

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022661.D
 Acq On : 28 Jun 2016 3:18
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-5PPM
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jun 28 04:31:43 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	119532	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	516590	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	394520	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1059342	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1237661	20.00	ng	0.00
86) Perylene-d12	25.21	264	1268732	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.71	112	787747	105.70	ng	0.00
7) Phenol-d6	7.31	99	1154551	109.91	ng	0.00
23) Nitrobenzene-d5	9.33	82	781740	64.05	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	658395	106.10	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1626266	65.37	ng	0.00
78) Terphenyl-d14	20.15	244	2765519	59.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	7886	2.61	ng	# 72
3) Pyridine	4.00	79	23529	2.78	ng	# 84
4) n-Nitrosodimethylamine	3.90	42	13962	2.89	ng	# 96
6) Aniline	7.48	93	30724	2.21	ng	92
8) 2-Chlorophenol	7.72	128	26617	3.45	ng	86
9) Benzaldehyde	7.29	77	32692	8.84	ng	86
10) Phenol	7.33	94	42760	3.85	ng	97
11) bis(2-Chloroethyl)ether	7.57	93	28368	3.10	ng	99
12) 1,3-Dichlorobenzene	8.04	146	30549	3.25	ng	98
13) 1,4-Dichlorobenzene	8.04	146	30549	3.24	ng	96
14) 1,2-Dichlorobenzene	8.52	146	31531	3.52	ng	# 87
15) Benzyl Alcohol	8.40	79	33713	3.47	ng	88
16) 2,2'-oxybis(1-Chloropropan	8.70	45	32178	3.18	ng	91
17) 2-Methylphenol	8.60	107	24971	3.41	ng	96
18) Hexachloroethane	9.25	117	13483	3.46	ng	97
19) n-Nitroso-di-n-propylamine	8.96	70	28037	3.20	ng	# 87
20) 3+4-Methylphenols	8.92	107	39316	3.90	ng	87
22) Acetophenone	8.98	105	48927	3.28	ng	# 95
24) Nitrobenzene	9.37	77	46850	3.47	ng	# 87
25) Isophorone	9.89	82	68191	2.88	ng	# 94
26) 2-Nitrophenol	10.09	139	14696	3.02	ng	92
27) 2,4-Dimethylphenol	10.14	122	26304	2.83	ng	# 81
28) bis(2-Chloroethoxy)methane	10.38	93	40243	3.11	ng	99
29) 2,4-Dichlorophenol	10.62	162	33308	3.68	ng	94
30) 1,2,4-Trichlorobenzene	10.84	180	37151	3.46	ng	91
31) Naphthalene	11.03	128	84099	3.24	ng	98
32) Benzoic acid	10.19	122	9628	6.53	ng	# 83
33) 4-Chloroaniline	11.14	127	29479	2.64	ng	# 91
34) Hexachlorobutadiene	11.32	225	26821	3.21	ng	92
35) Caprolactam	11.89	113	10142	3.56	ng	# 67
36) 4-Chloro-3-methylphenol	12.24	107	39931	3.60	ng	93
37) 2-Methylnaphthalene	12.84	142	66157	3.29	ng	95
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	48953	3.29	ng	# 94
40) Hexachlorocyclopentadiene	12.97	237	26835	2.26	ng	87

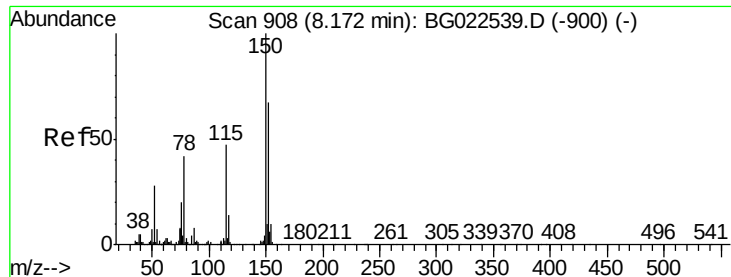
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022661.D
 Acq On : 28 Jun 2016 3:18
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.23	196	30106	3.15	ng	95
43) 2,4,5-Trichlorophenol	13.30	196	34559	3.46	ng	89
45) 1,1'-Biphenyl	13.63	154	96887	3.22	ng	98
46) 2-Chloronaphthalene	13.67	162	78131	3.16	ng	96
47) 2-Nitroaniline	13.87	65	27009	2.83	ng	# 84
48) Acenaphthylene	14.52	152	114695	3.20	ng	99
49) Dimethylphthalate	14.24	163	106425	3.25	ng	97
50) 2,6-Dinitrotoluene	14.37	165	22511	3.17	ng	# 67
51) Acenaphthene	14.86	154	75447	2.86	ng	93
52) 3-Nitroaniline	14.69	138	19530	2.93	ng	# 71
53) 2,4-Dinitrophenol	14.90	184	11512	2.63	ng	# 63
54) Dibenzofuran	15.19	168	139118	3.64	ng	# 98
55) 4-Nitrophenol	15.01	139	15288	2.72	ng	91
56) 2,4-Dinitrotoluene	15.14	165	30550	3.10	ng	# 92
57) Fluorene	15.84	166	108721	3.56	ng	# 90
58) 2,3,4,6-Tetrachlorophenol	15.34	232	32239	3.11	ng	98
59) Diethylphthalate	15.60	149	112115	3.33	ng	# 97
60) 4-Chlorophenyl-phenylether	15.83	204	62862	3.46	ng	93
61) 4-Nitroaniline	15.86	138	21186	3.09	ng	# 57
62) Azobenzene	16.13	77	115183	3.16	ng	89
64) 4,6-Dinitro-2-methylphenol	15.92	198	18895	2.66	ng	91
65) n-Nitrosodiphenylamine	16.05	169	100596	3.26	ng	92
66) 4-Bromophenyl-phenylether	16.73	248	41473	3.02	ng	92
67) Hexachlorobenzene	16.85	284	44198	3.04	ng	# 88
68) Atrazine	16.99	200	36984	2.84	ng	96
69) Pentachlorophenol	17.20	266	25208	2.52	ng	91
70) Phenanthrene	17.60	178	199582	3.69	ng	97
71) Anthracene	17.69	178	183367	3.30	ng	95
72) Carbazole	17.96	167	163775	3.47	ng	# 92
73) Di-n-butylphthalate	18.51	149	185802	3.39	ng	# 92
74) Fluoranthene	19.60	202	233347	3.75	ng	96
77) Pyrene	19.96	202	247911	3.76	ng	93
79) Butylbenzylphthalate	20.83	149	81568	2.86	ng	98
80) Benzo(a)anthracene	21.83	228	265190	3.87	ng	# 92
81) 3,3'-Dichlorobenzidine	21.74	252	57641	2.04	ng	# 95
82) Chrysene	21.89	228	240776	3.74	ng	95
83) Bis(2-ethylhexyl)phthalate	21.72	149	115492	2.87	ng	94
84) Di-n-octyl phthalate	22.98	149	190885	2.88	ng	97
87) Benzo(b)fluoranthene	24.20	252	230092	3.02	ng	98
88) Benzo(k)fluoranthene	24.20	252	230092	3.19	ng	# 97
89) Benzo(a)pyrene	25.05	252	227950	3.06	ng	94
90) Dibenzo(a,h)anthracene	29.12	278	186183	2.66	ng	# 95
91) Benzo(g,h,i)perylene	30.25	276	190615	2.67	ng	98

(#) = 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: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

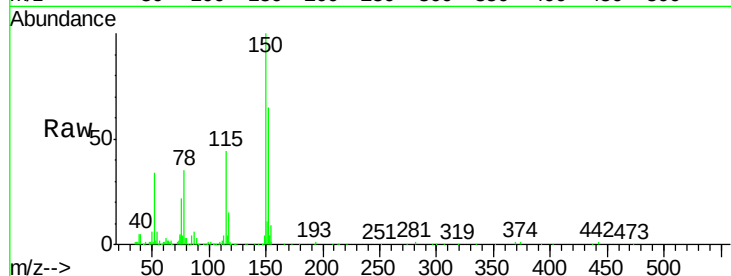
Tgt Ion:152 Resp: 119532

Ion Ratio Lower Upper

152 100

150 153.3 144.7 217.1

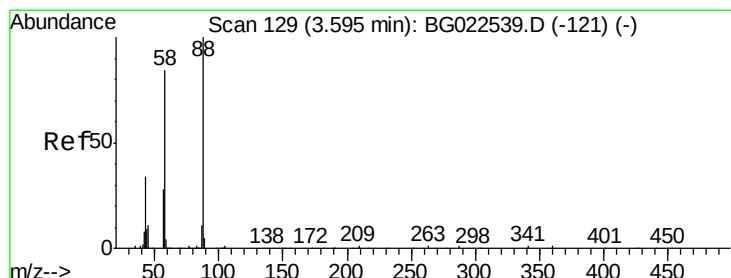
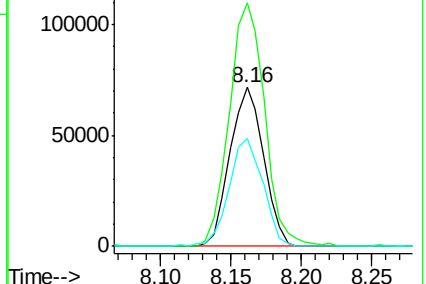
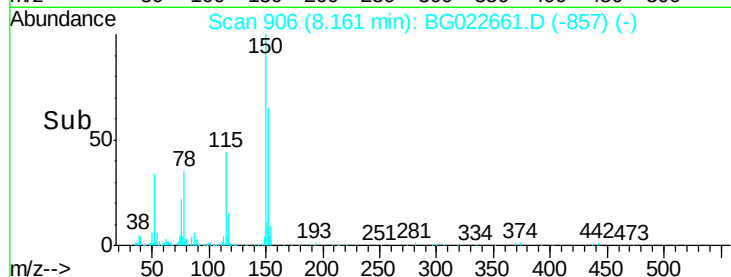
115 67.7 64.0 96.0



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: 2.61 ng

RT: 3.58 min Scan# 127

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

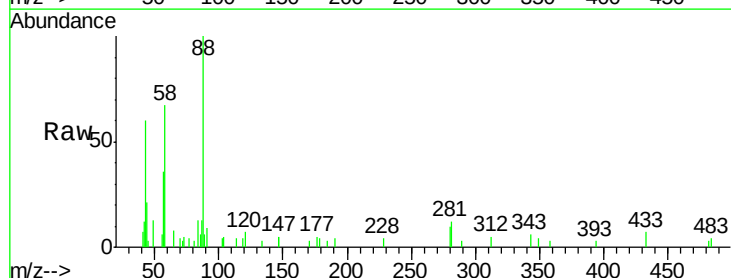
Tgt Ion: 88 Resp: 7886

Ion Ratio Lower Upper

88 100

58 97.4 60.4 90.6#

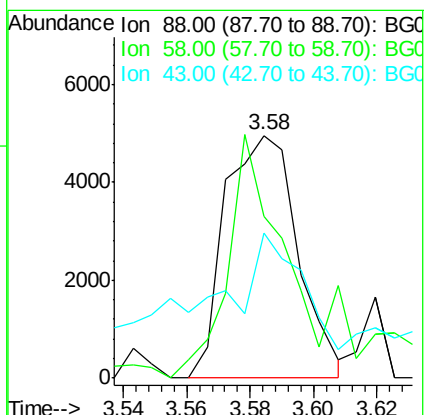
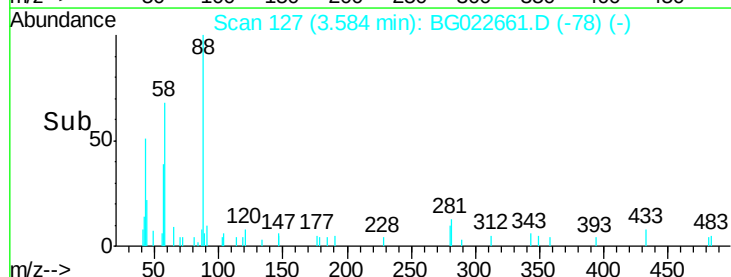
43 58.1 31.1 46.7#

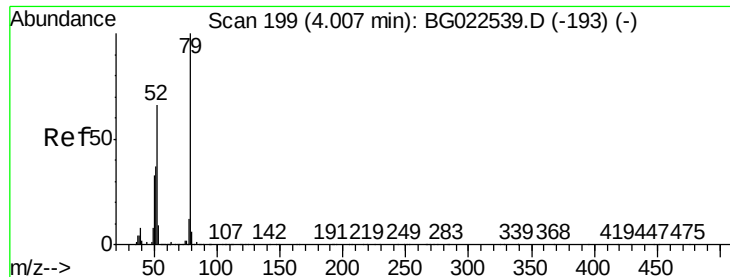


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 2.78 ng

RT: 4.00 min Scan# 197

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

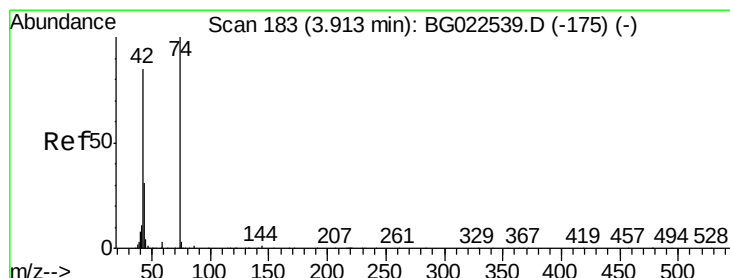
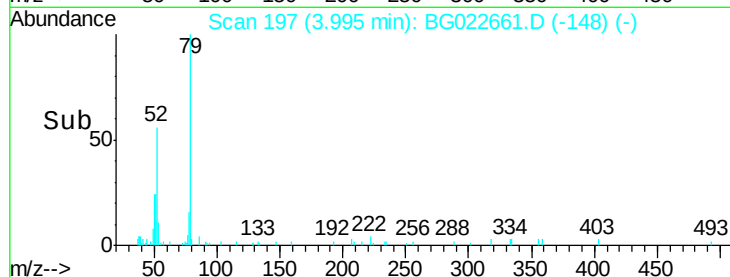
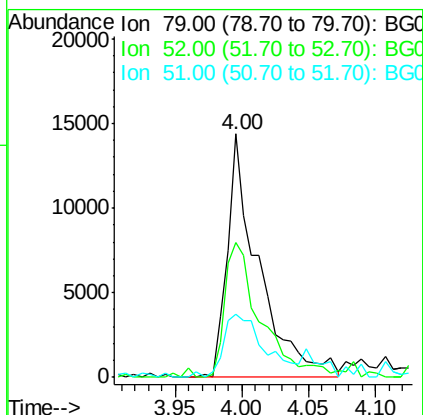
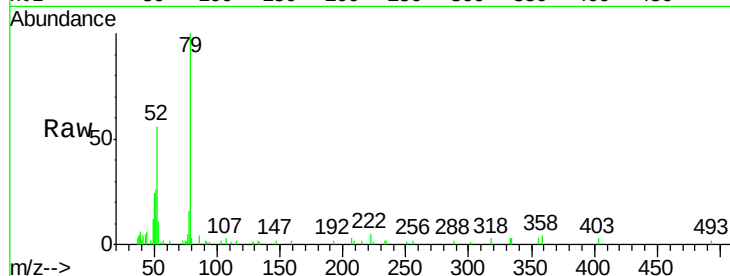
Tgt Ion: 79 Resp: 23529

Ion Ratio Lower Upper

79 100

52 55.6 51.8 77.8

51 26.1 32.7 49.1#



#4

n-Nitrosodimethylamine

Concen: 2.89 ng

RT: 3.90 min Scan# 181

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

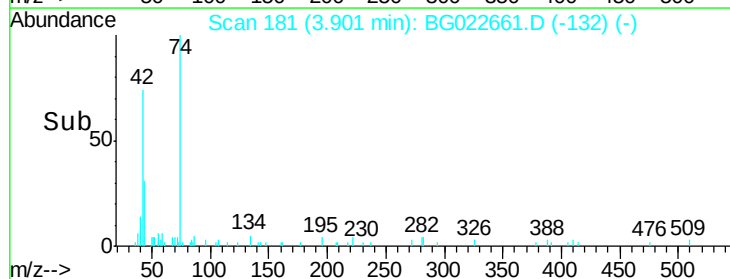
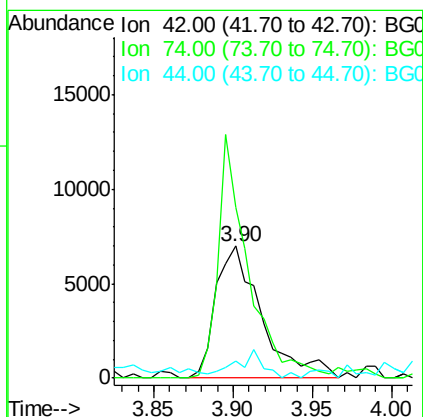
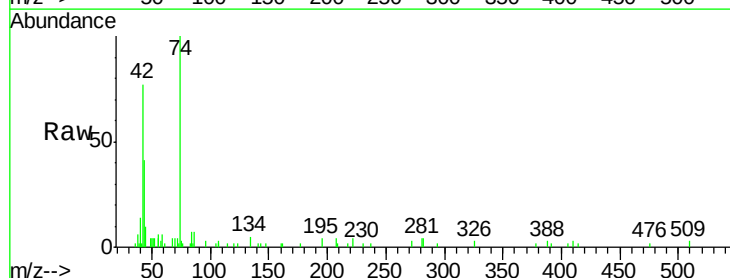
Tgt Ion: 42 Resp: 13962

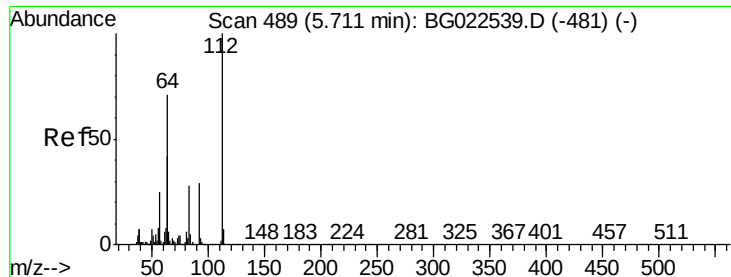
Ion Ratio Lower Upper

42 100

74 129.8 100.6 150.8

44 13.1 4.5 6.7#





#5

2-Fluorophenol

Concen: 105.70 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

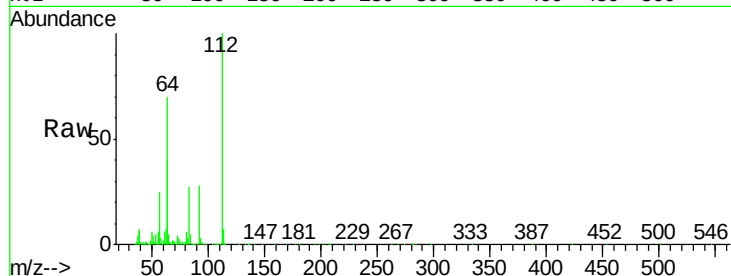
Tgt Ion: 112 Resp: 787747

Ion Ratio Lower Upper

112 100

64 70.1 59.0 88.4

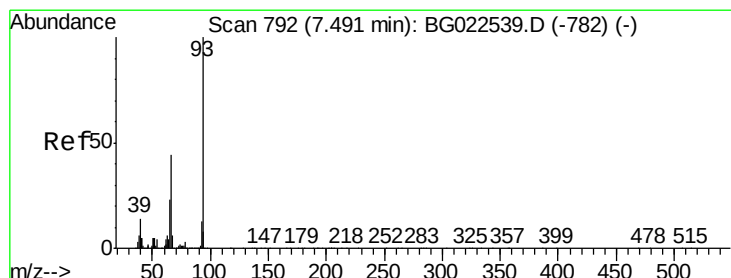
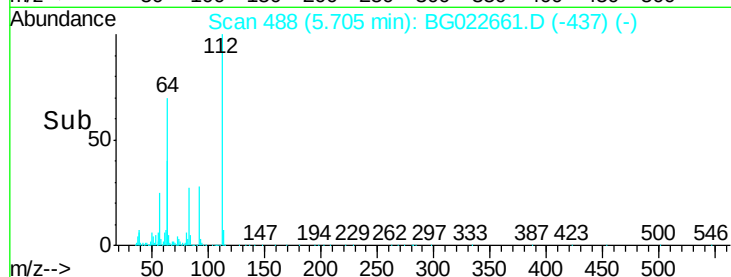
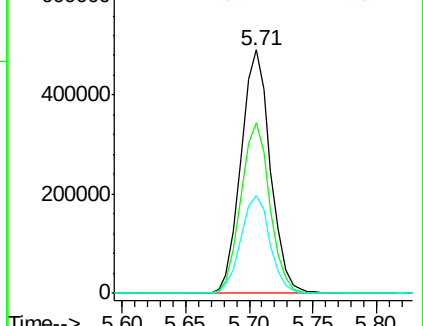
63 40.1 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 2.21 ng

RT: 7.48 min Scan# 790

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

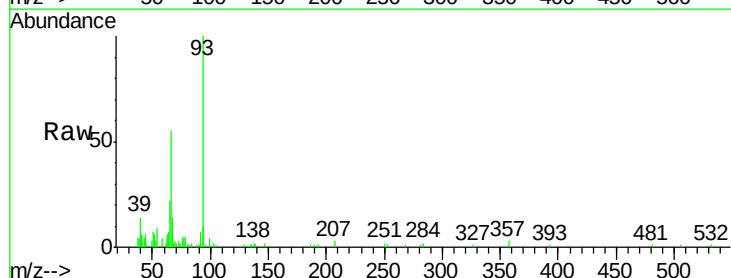
Tgt Ion: 93 Resp: 30724

Ion Ratio Lower Upper

93 100

66 55.1 37.5 56.3

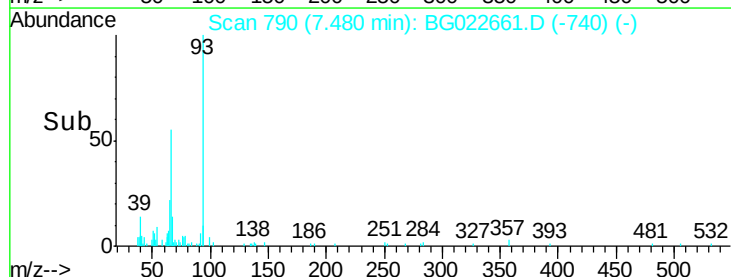
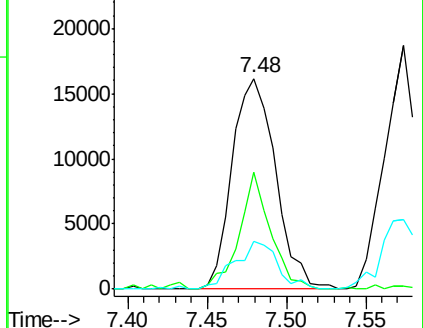
65 22.4 17.9 26.9

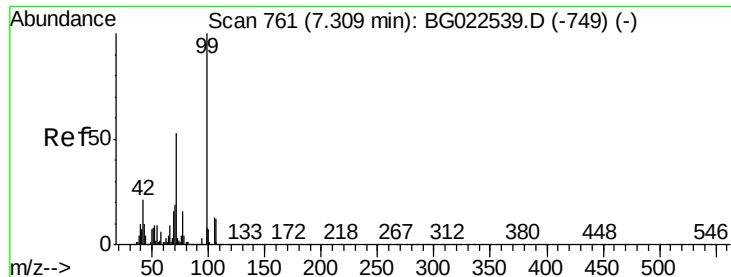


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 109.91 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG022661.D

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ClientSampleId :

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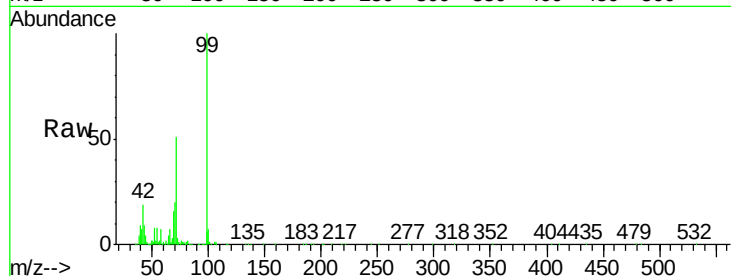
Tgt Ion: 99 Resp: 1154551

Ion Ratio Lower Upper

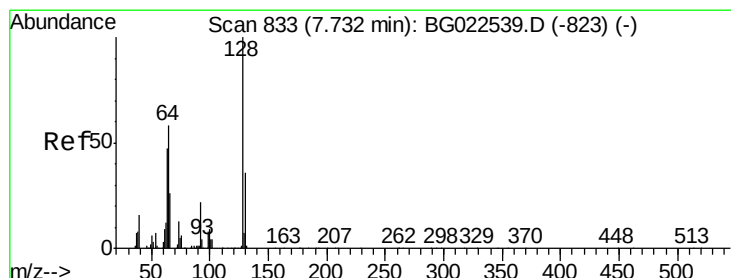
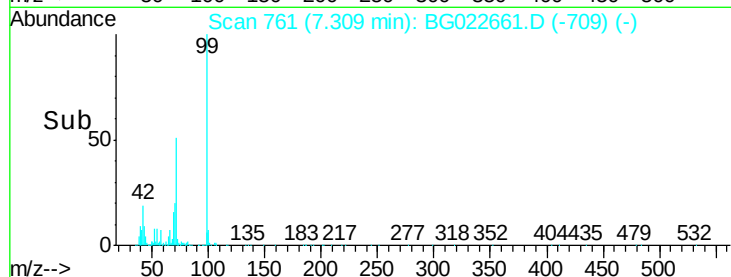
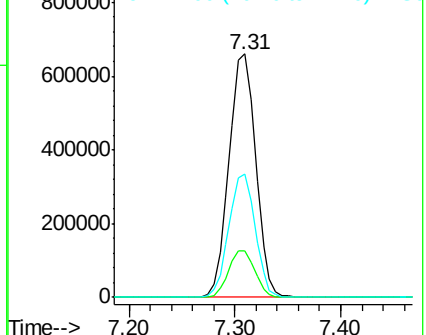
99 100

42 19.3 17.8 26.6

71 50.6 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: 3.45 ng

RT: 7.72 min Scan# 831

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

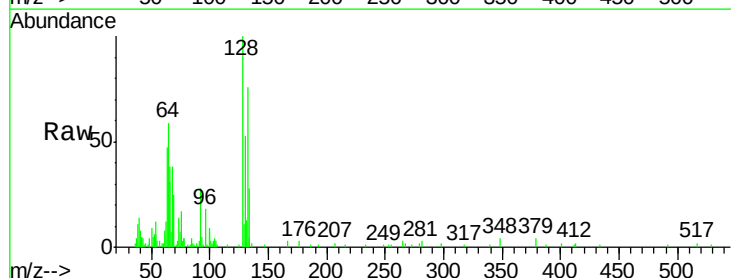
Tgt Ion: 128 Resp: 26617

Ion Ratio Lower Upper

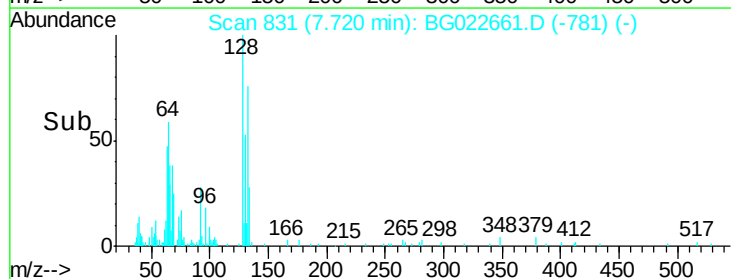
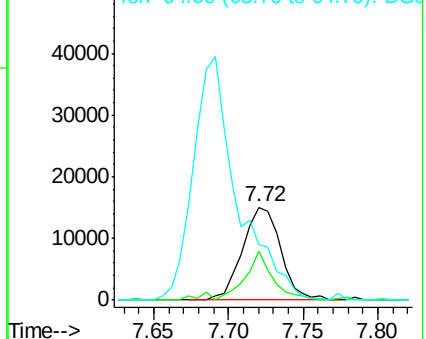
128 100

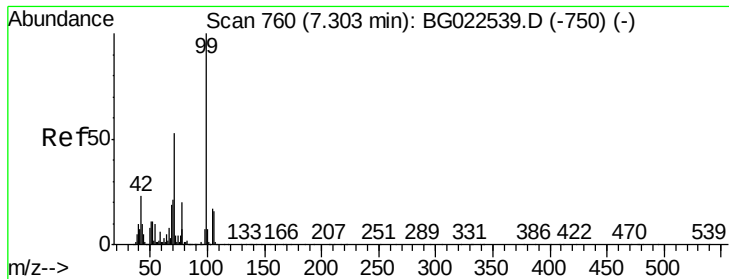
130 52.7 12.9 52.9

64 59.4 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: 8.84 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

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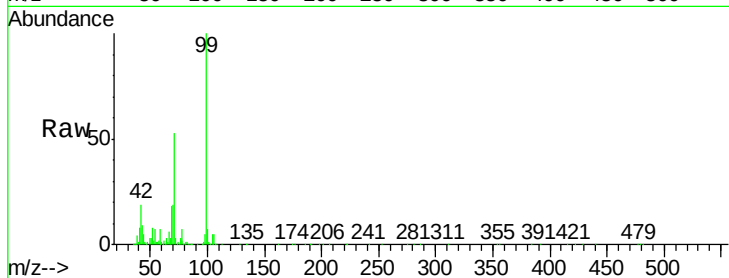
Tgt Ion: 77 Resp: 32692

Ion Ratio Lower Upper

77 100

105 71.0 58.7 98.7

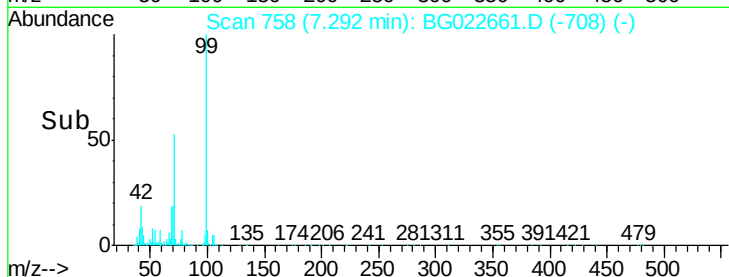
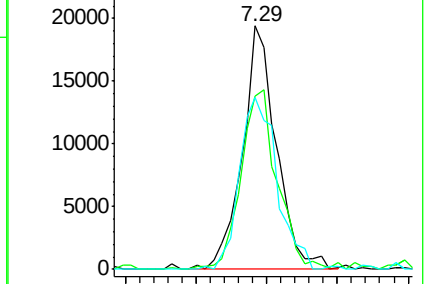
106 70.5 67.5 107.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 3.85 ng

RT: 7.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

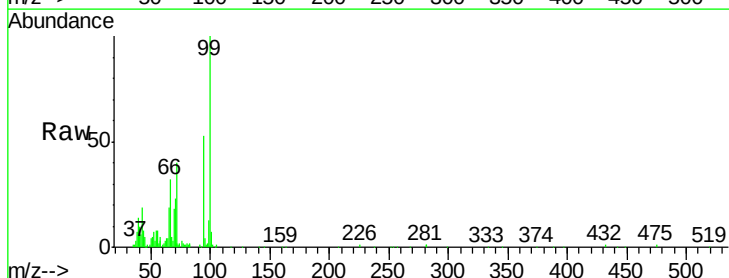
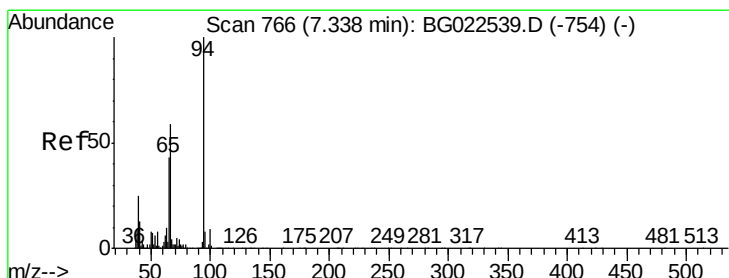
Tgt Ion: 94 Resp: 42760

Ion Ratio Lower Upper

94 100

65 35.9 18.1 58.1

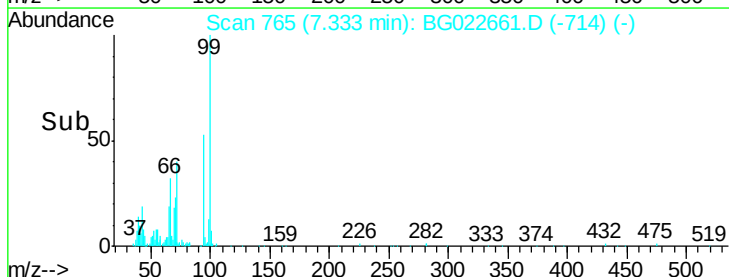
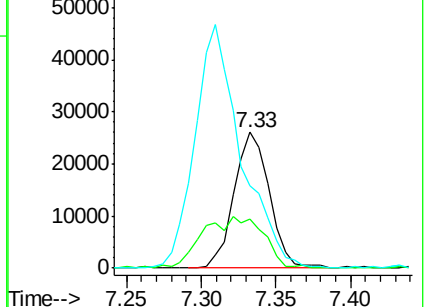
66 60.4 42.1 82.1

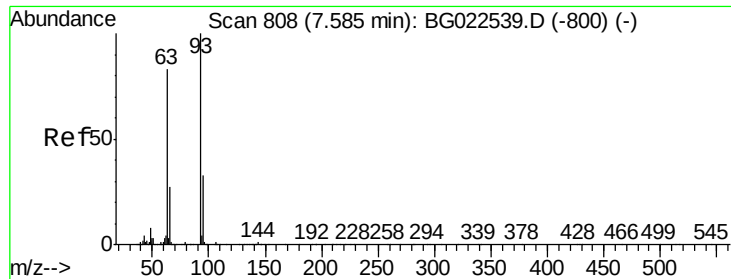


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

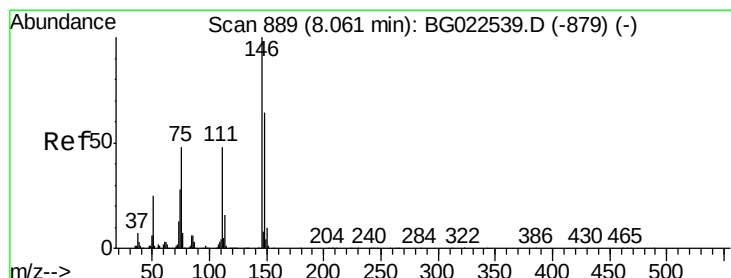
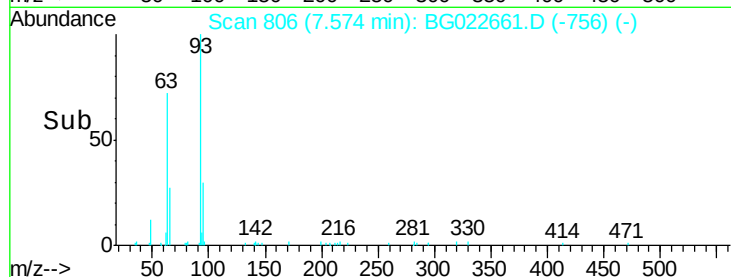
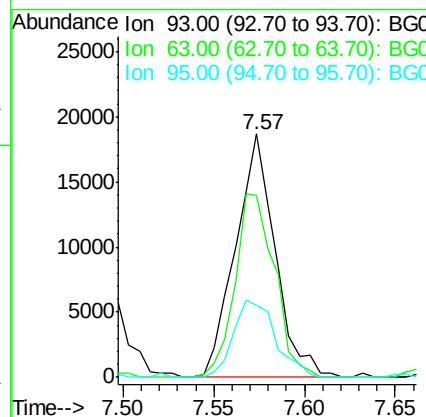
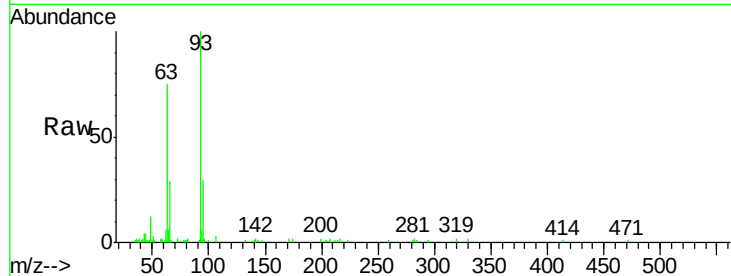




#11
bis(2-Chloroethyl)ether
Concen: 3.10 ng
RT: 7.57 min Scan# 806
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

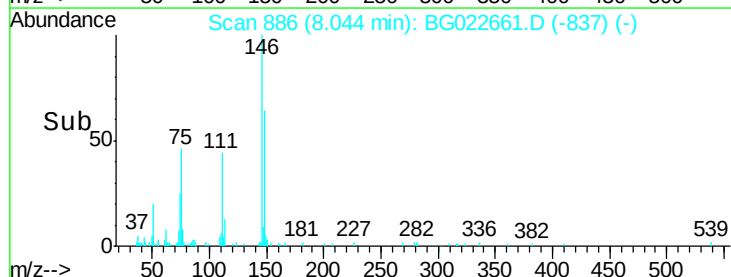
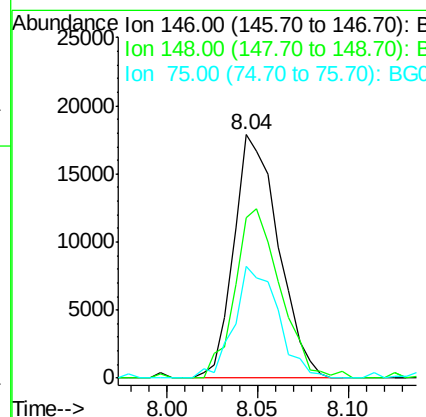
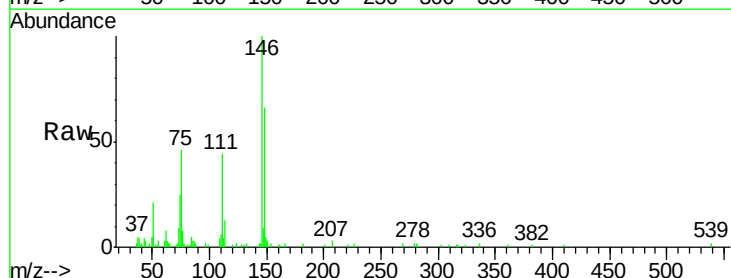
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

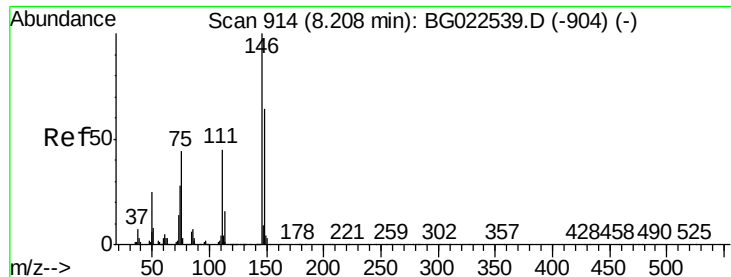
Tgt Ion	Ratio	Lower	Upper
93	100		
63	74.9	55.0	95.0
95	29.6	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 3.25 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.3	75.5
75	46.1	37.0	55.6

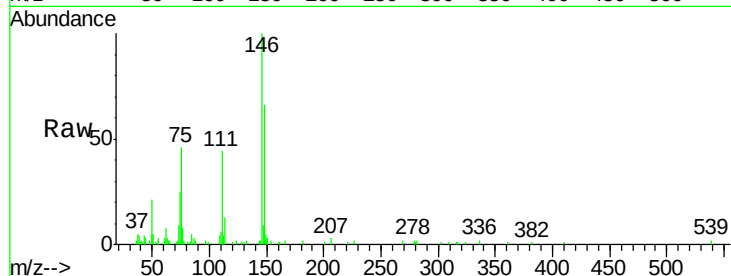




#13
 1,4-Dichlorobenzene
 Concen: 3.24 ng
 RT: 8.04 min Scan# 886
 Delta R.T. -0.16 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	54.5	81.7
111	44.3	37.8	56.8

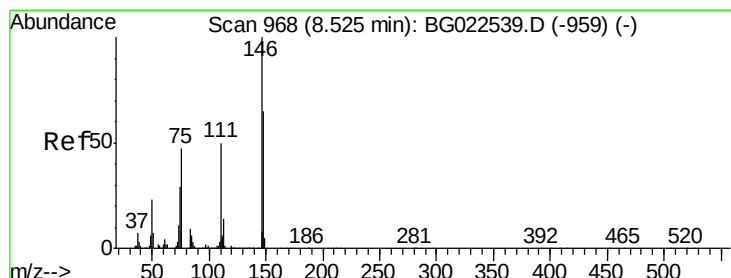
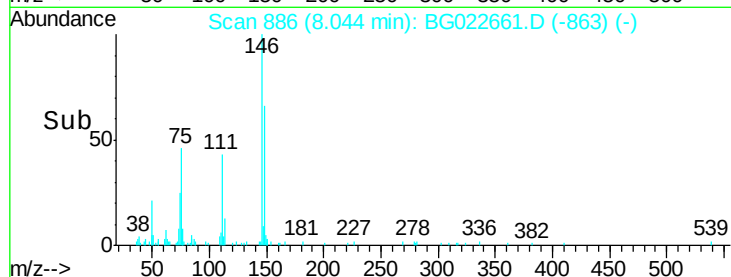
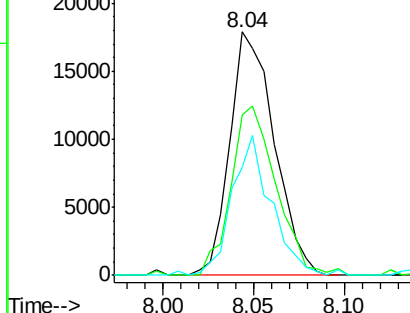


Abundance

Ion 146.00 (145.70 to 146.70): E

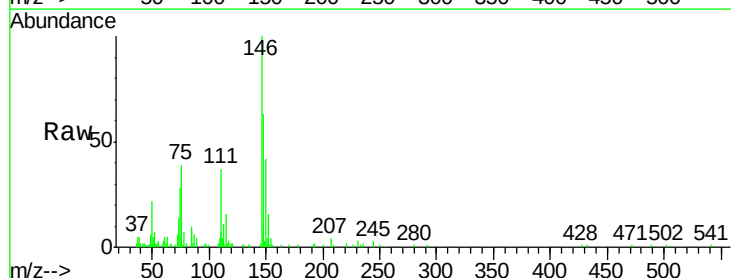
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 3.52 ng
 RT: 8.52 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.9	79.3
111	36.7	43.5	65.3#

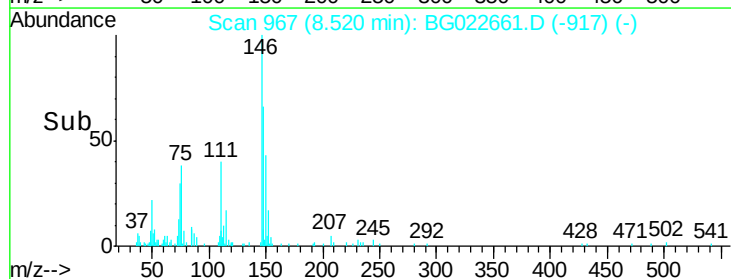
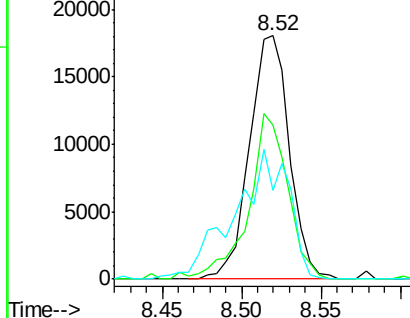


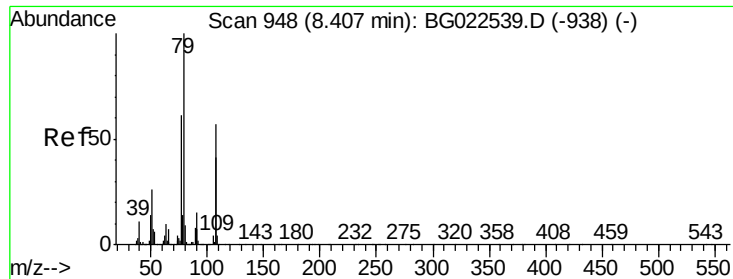
Abundance

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

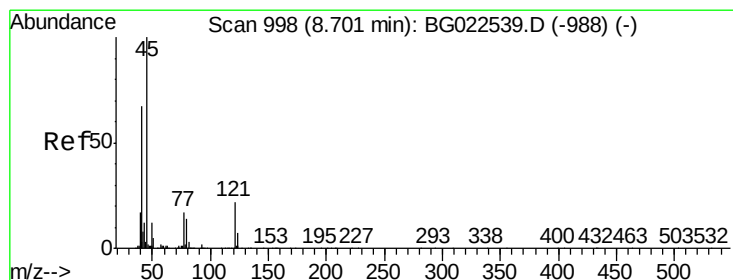
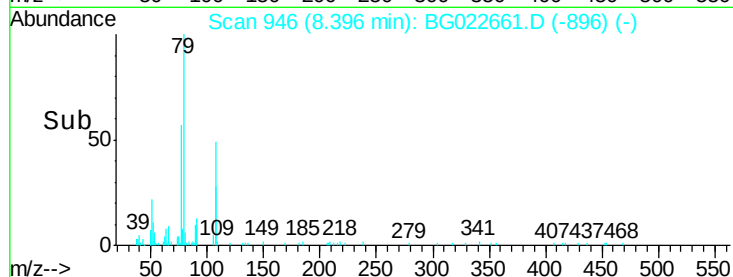
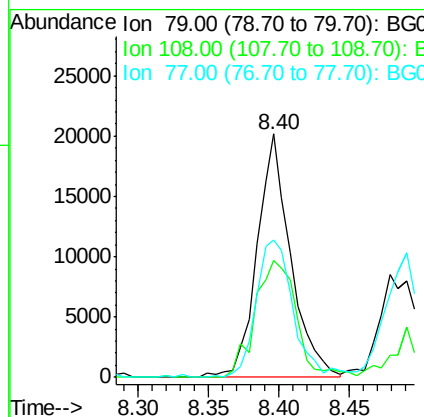
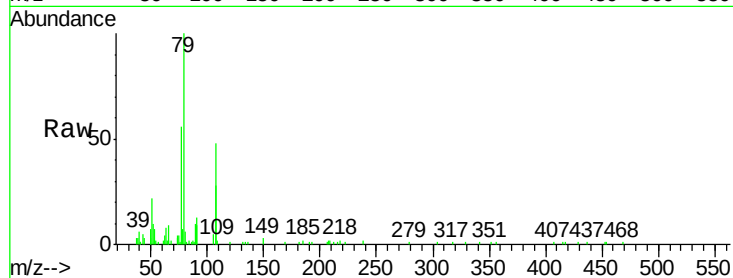




#15
Benzyl Alcohol
Concen: 3.47 ng
RT: 8.40 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

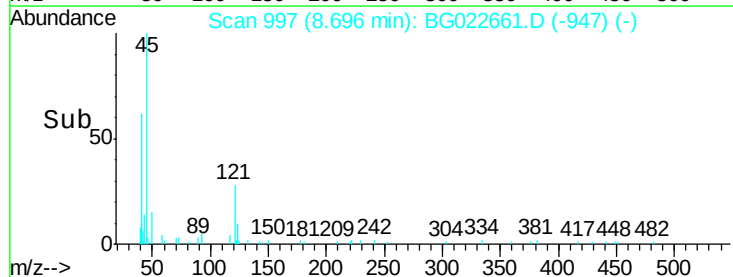
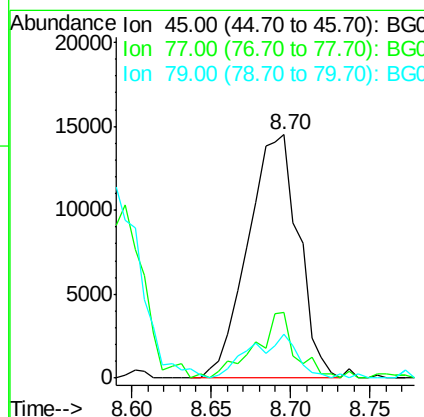
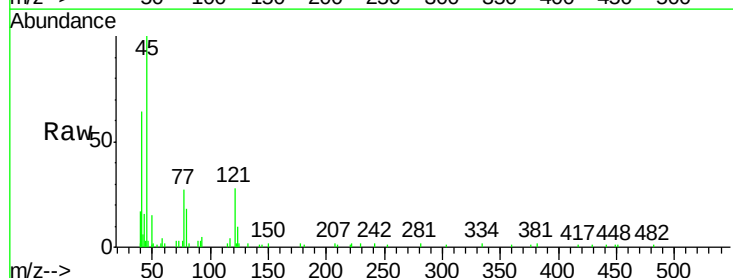
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

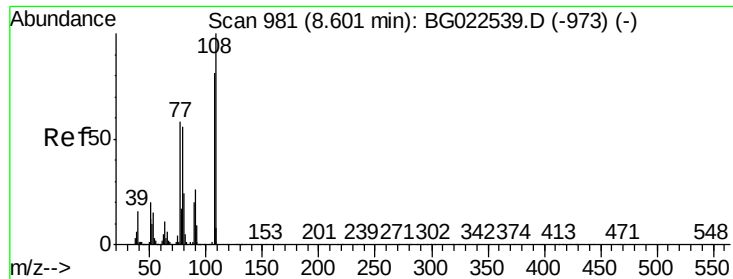
Tgt Ion: 79 Resp: 33713
Ion Ratio Lower Upper
79 100
108 48.2 46.5 69.7
77 56.3 52.3 78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.18 ng
RT: 8.70 min Scan# 997
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion: 45 Resp: 32178
Ion Ratio Lower Upper
45 100
77 27.0 0.6 40.6
79 17.8 0.0 36.2





#17

2-Methylphenol

Concen: 3.41 ng

RT: 8.60 min Scan# 980

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:107 Resp: 24971

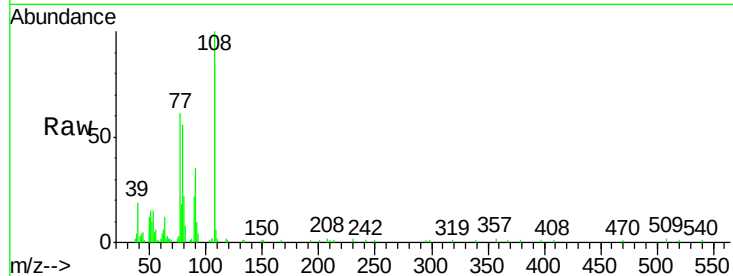
Ion Ratio Lower Upper

107 100

108 119.5 92.0 138.0

77 72.9 55.8 83.6

79 66.5 55.0 82.6



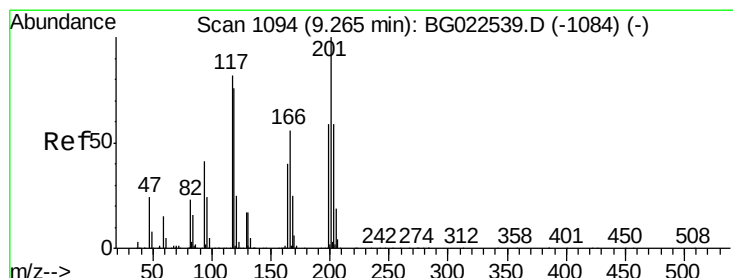
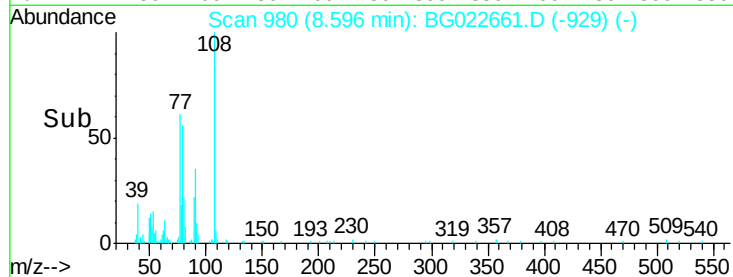
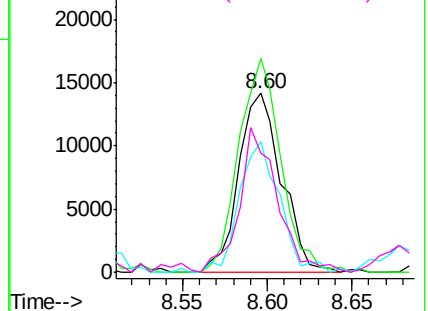
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 3.46 ng

RT: 9.25 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

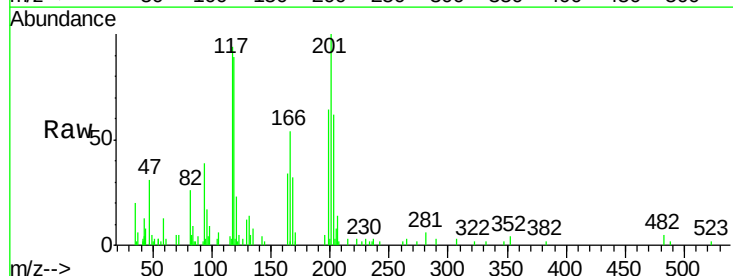
Tgt Ion:117 Resp: 13483

Ion Ratio Lower Upper

117 100

119 94.2 73.7 110.5

201 106.1 88.7 133.1

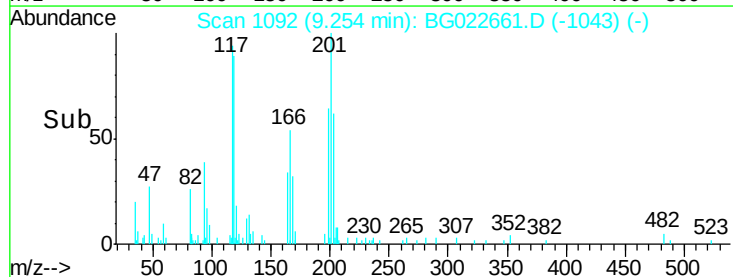
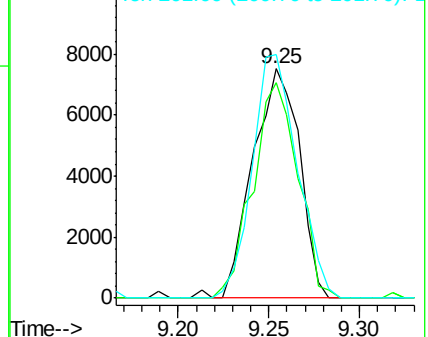


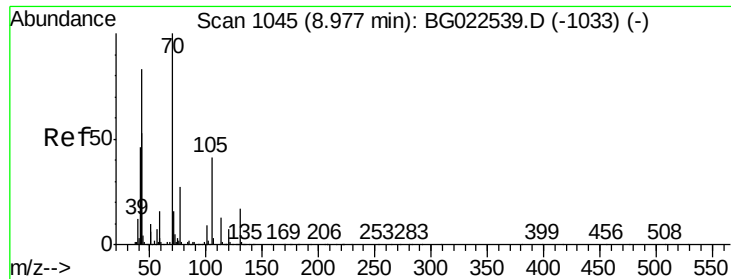
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

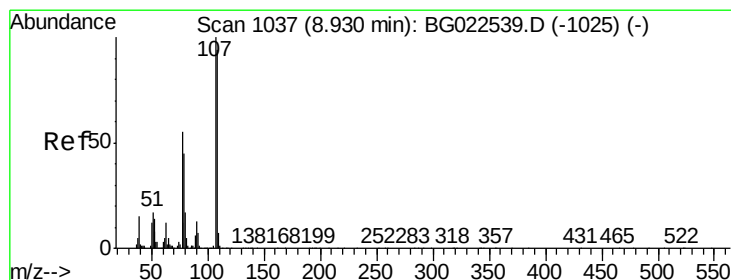
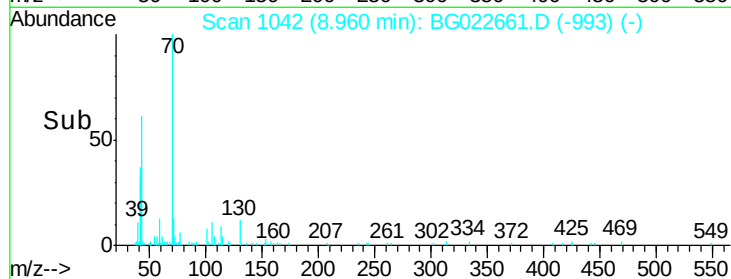
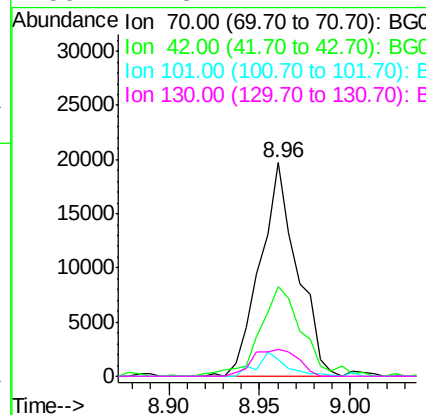
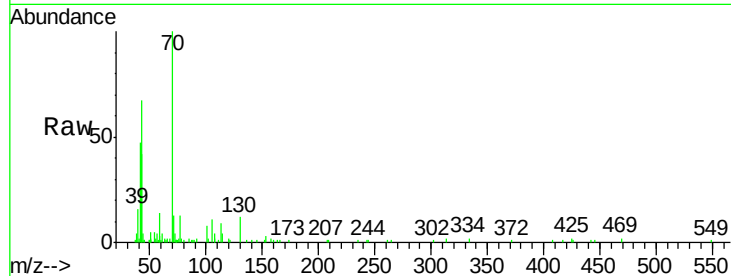




#19
n-Nitroso-di-n-propylamine
Concen: 3.20 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

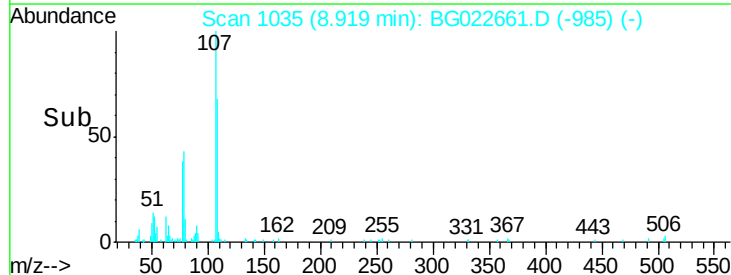
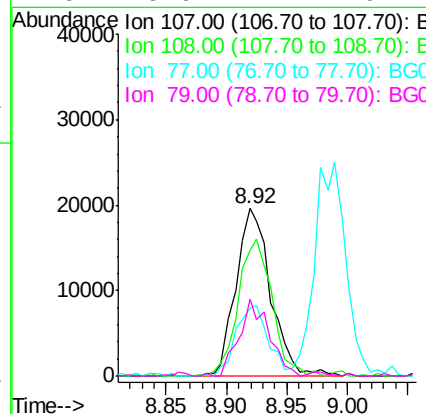
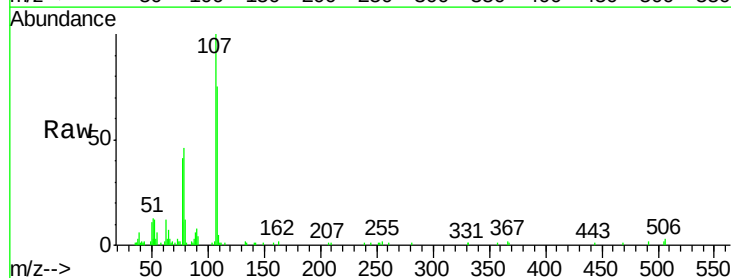
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

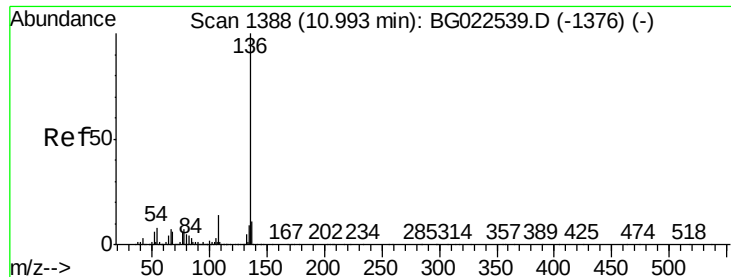
Tgt Ion:	70	Resp:	28037
Ion	Ratio	Lower	Upper
70	100		
42	42.1	42.1	63.1
101	8.1	7.2	10.8
130	12.3	14.2	21.2#



#20
3+4-Methylphenols
Concen: 3.90 ng
RT: 8.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:	107	Resp:	39316
Ion	Ratio	Lower	Upper
107	100		
108	74.9	72.5	112.5
77	40.7	30.1	70.1
79	45.9	24.2	64.2

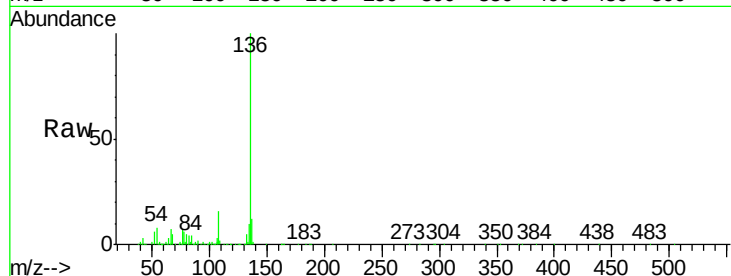




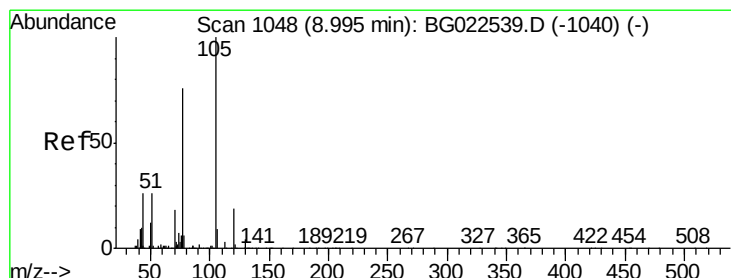
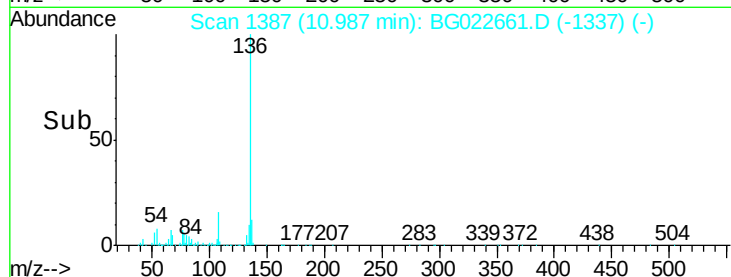
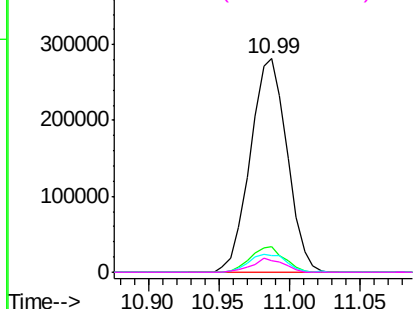
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	136	Resp:	516590
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	7.7	7.3	10.9
68	5.5	5.3	7.9

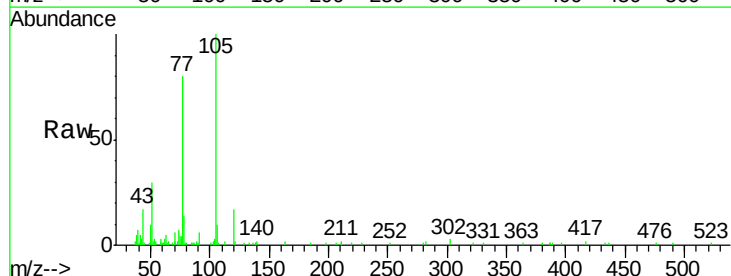


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

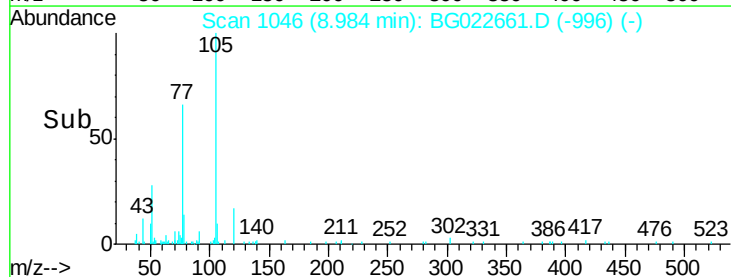
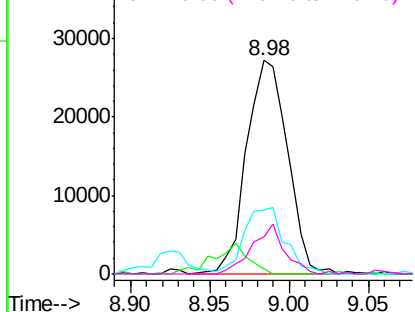


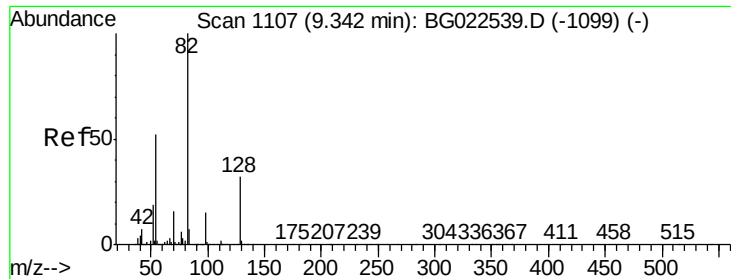
#22
Acetophenone
Concen: 3.28 ng
RT: 8.98 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:	105	Resp:	48927
Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.6	3.8#
51	30.1	27.1	40.7
120	17.3	15.1	22.7



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

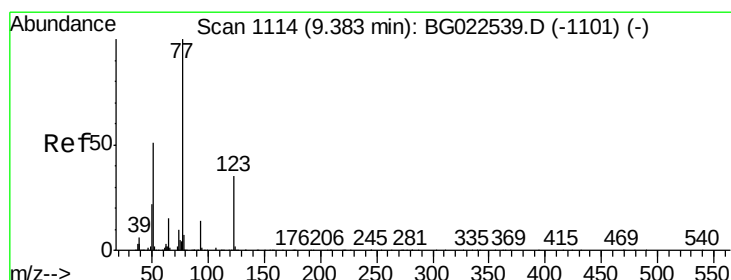
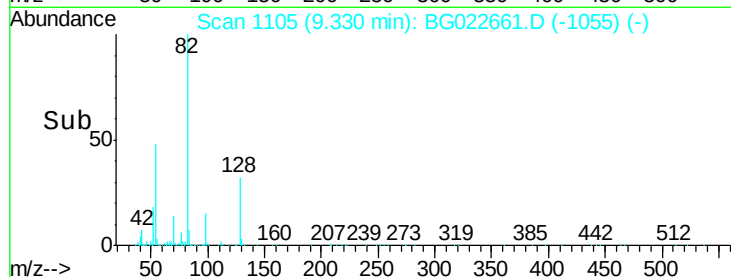
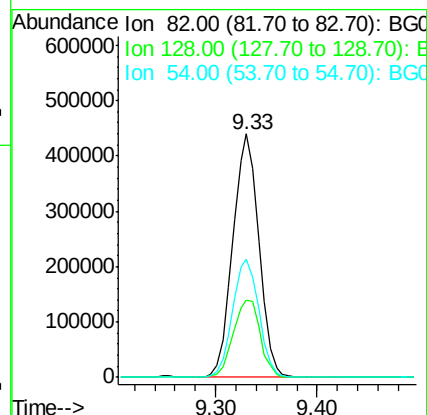
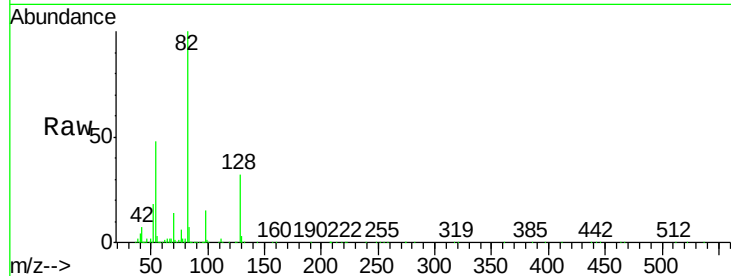




#23
 Nitrobenzene-d5
 Concen: 64.05 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

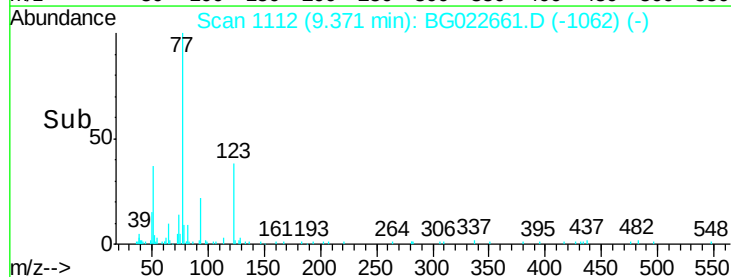
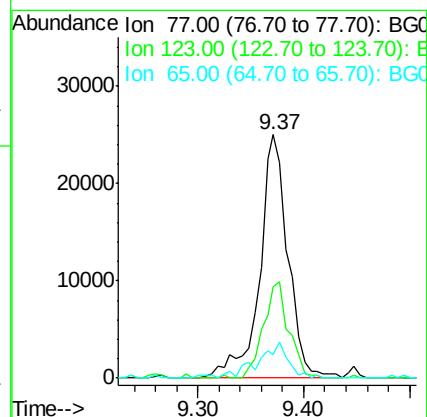
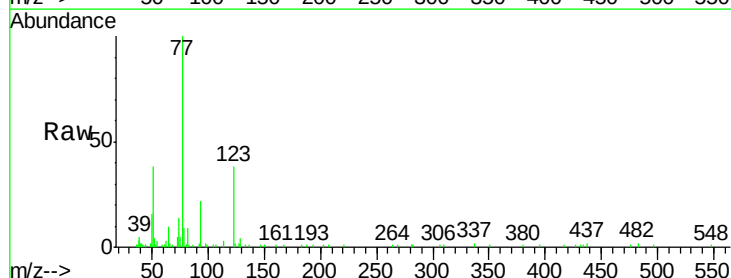
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

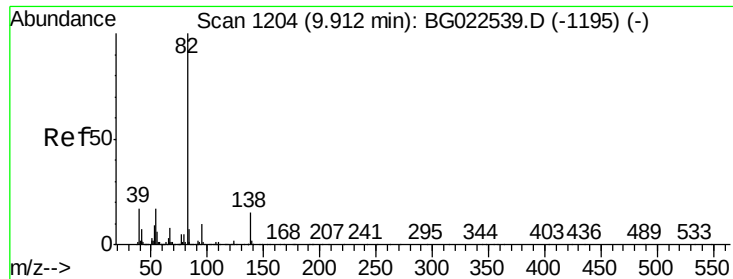
Tgt Ion: 82 Resp: 781740
 Ion Ratio Lower Upper
 82 100
 128 31.8 24.4 36.6
 54 48.3 41.4 62.0



#24
 Nitrobenzene
 Concen: 3.47 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion: 77 Resp: 46850
 Ion Ratio Lower Upper
 77 100
 123 37.5 25.0 37.6
 65 9.9 13.4 20.0#





#25

Isophorone

Concen: 2.88 ng

RT: 9.89 min Scan# 1200

Delta R.T. -0.02 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

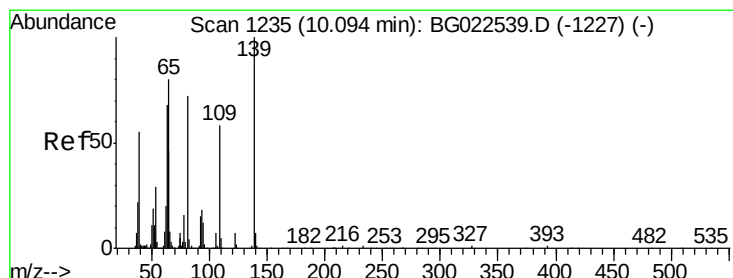
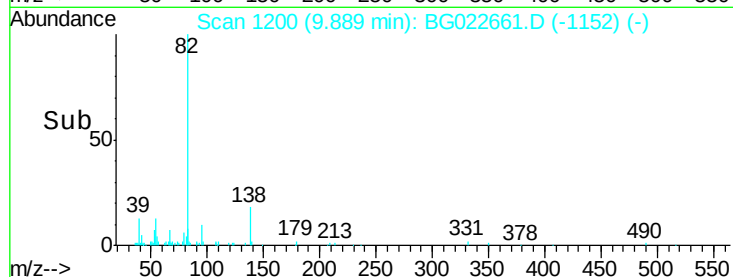
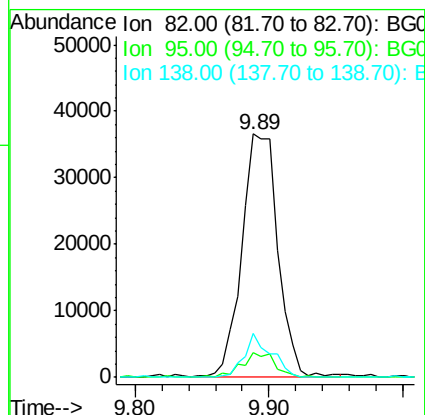
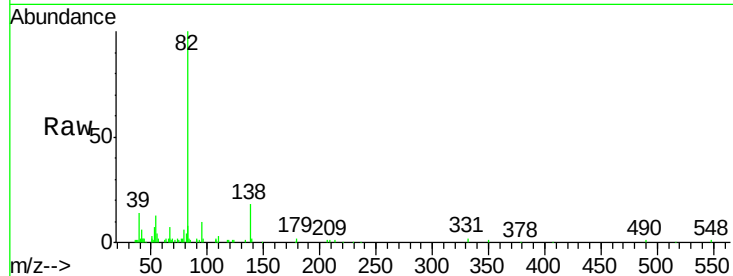
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	82	Resp:	68191
Ion	Ratio	Lower	Upper
82	100		
95	10.0	8.2	12.2
138	17.8	10.7	16.1#



#26

2-Nitrophenol

Concen: 3.02 ng

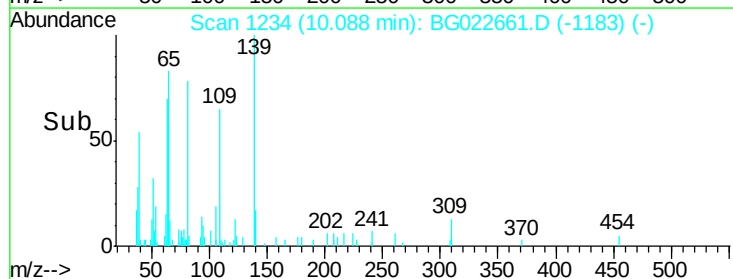
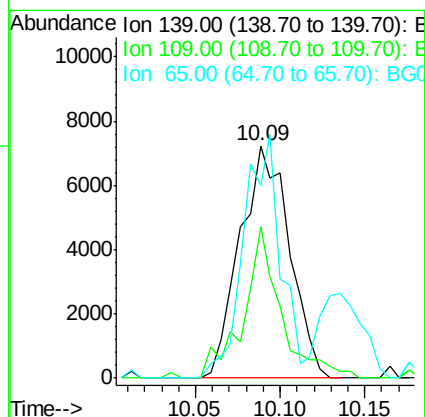
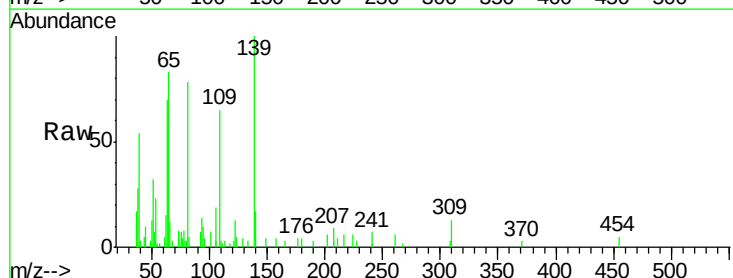
RT: 10.09 min Scan# 1234

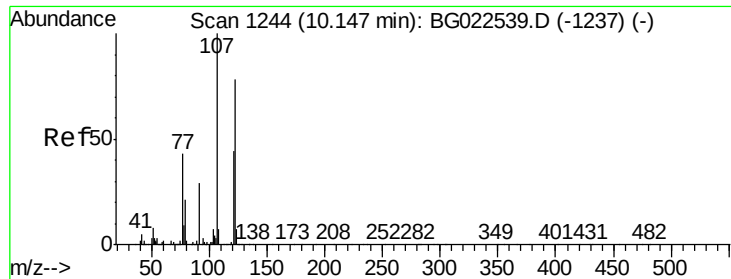
Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Tgt Ion:	139	Resp:	14696
Ion	Ratio	Lower	Upper
139	100		
109	65.2	43.5	65.3
65	83.0	64.3	96.5

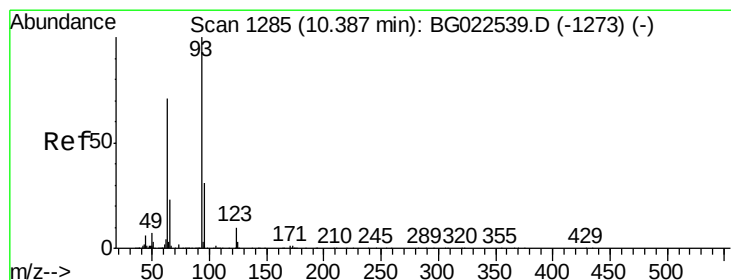
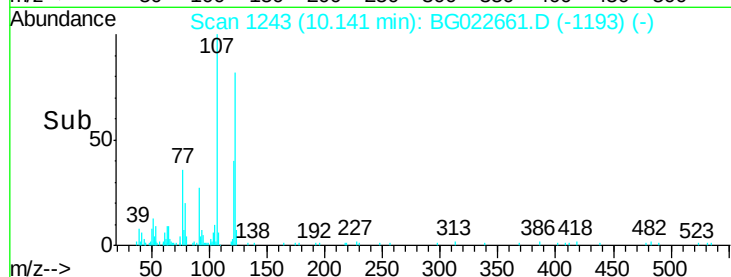
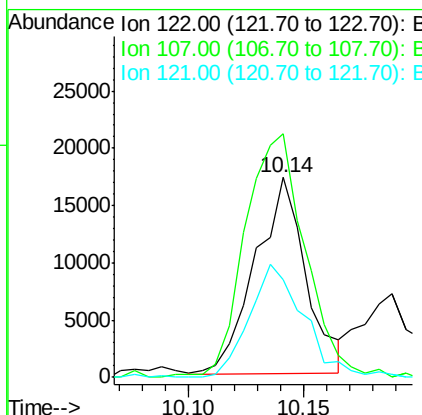
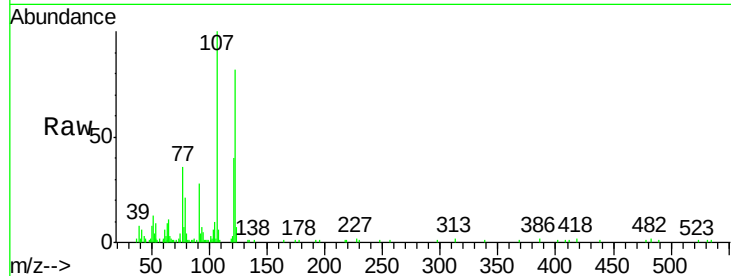




#27
2,4-Dimethylphenol
Concen: 2.83 ng
RT: 10.14 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

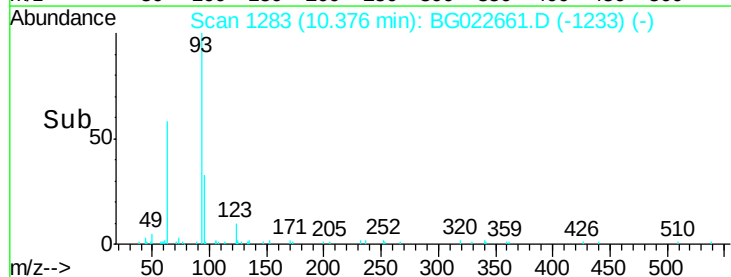
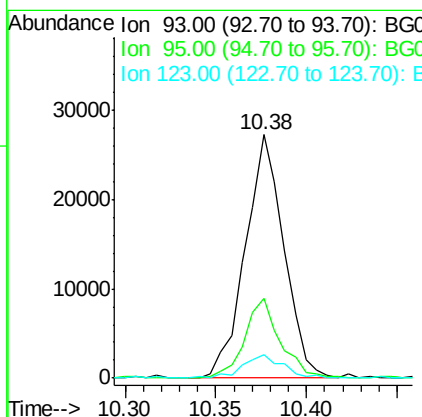
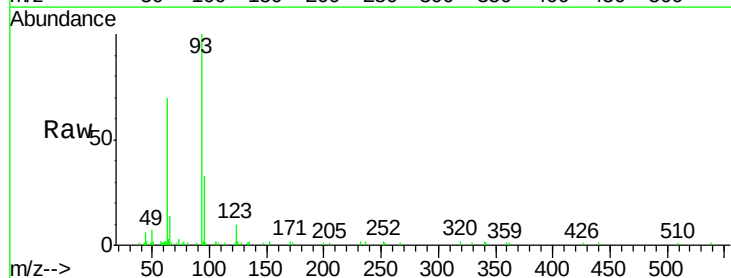
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

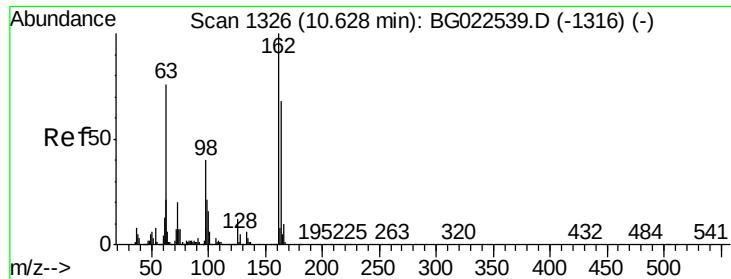
Tgt Ion:122 Resp: 26304
Ion Ratio Lower Upper
122 100
107 121.7 117.0 175.4
121 49.0 50.1 75.1#



#28
bis(2-Chloroethoxy)methane
Concen: 3.11 ng
RT: 10.38 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion: 93 Resp: 40243
Ion Ratio Lower Upper
93 100
95 32.6 25.4 38.2
123 9.9 8.2 12.2

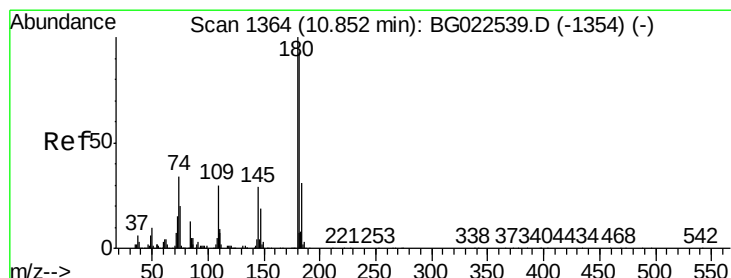
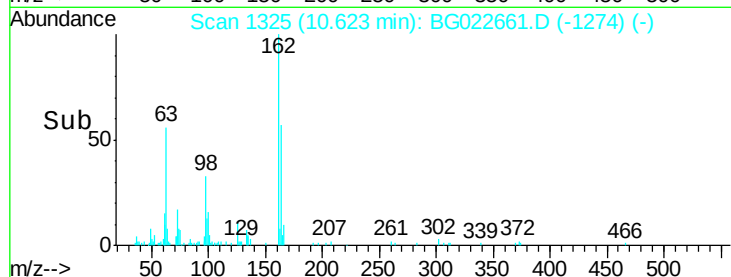
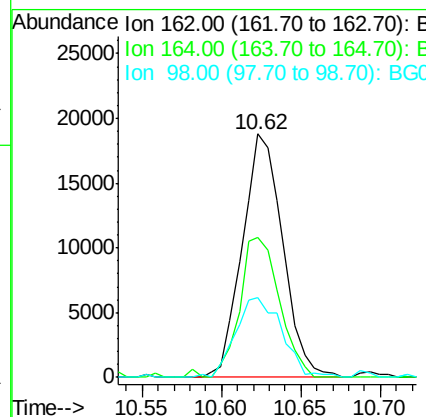
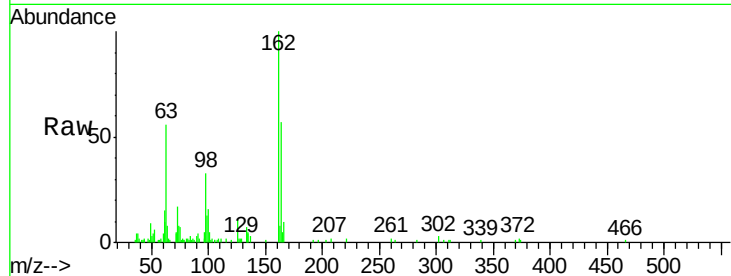




#29
 2,4-Dichlorophenol
 Concen: 3.68 ng
 RT: 10.62 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

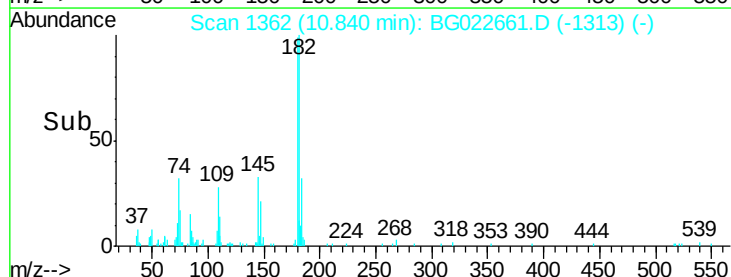
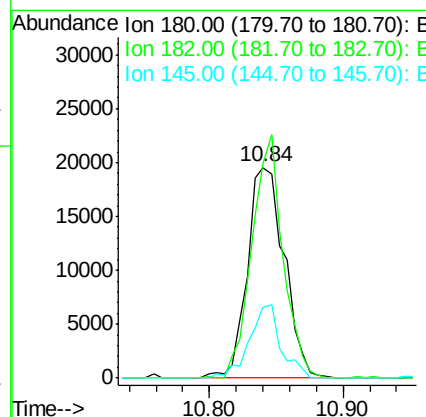
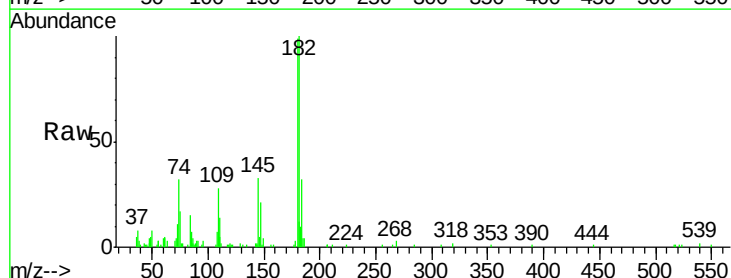
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

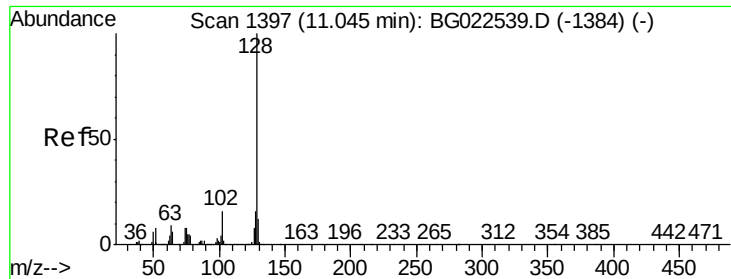
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.9	44.3	84.3
98	32.9	19.5	59.5



#30
 1,2,4-Trichlorobenzene
 Concen: 3.46 ng
 RT: 10.84 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.5	73.8	110.8
145	33.7	24.4	36.6

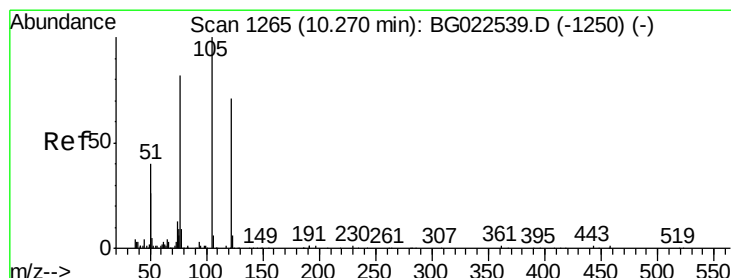
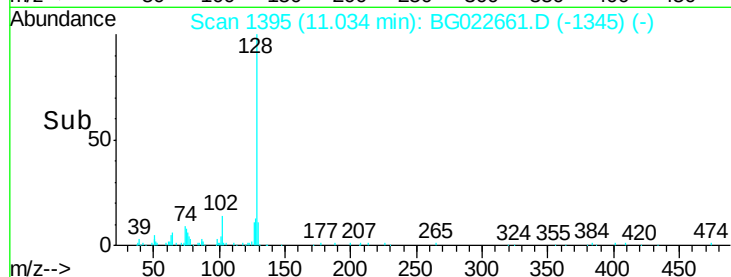
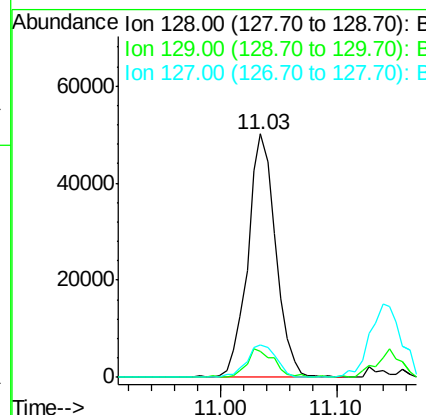
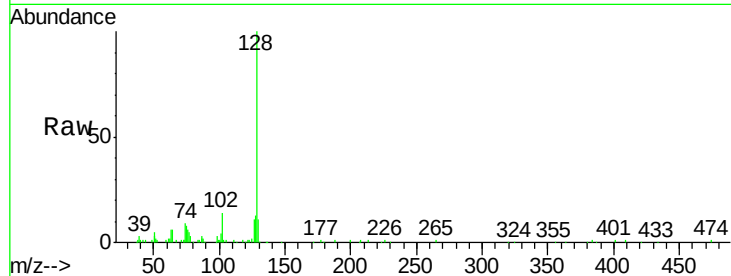




#31
Naphthalene
Concen: 3.24 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

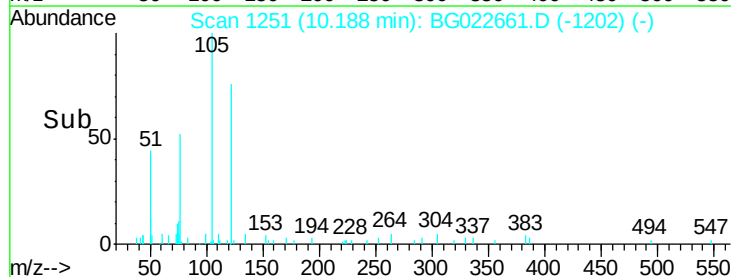
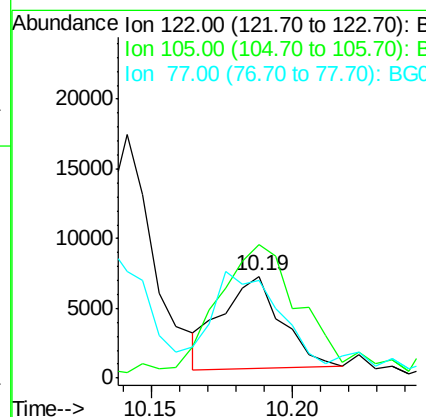
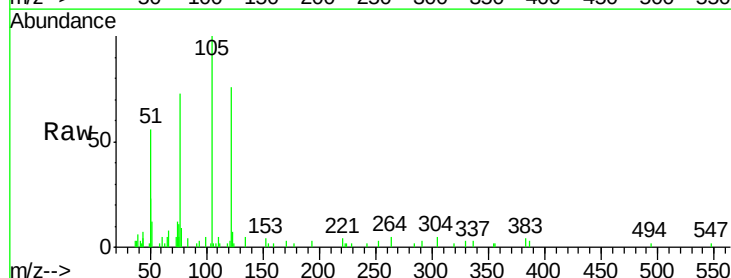
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

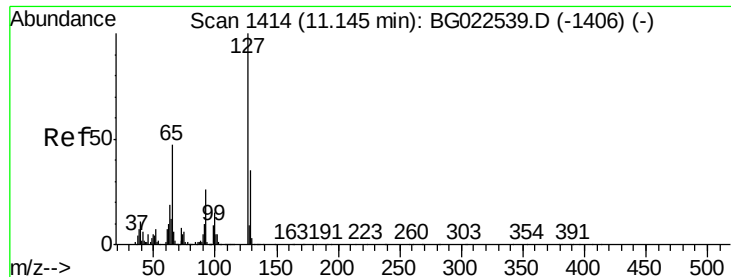
Tgt Ion:128 Resp: 84099
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.0
127 13.5 11.3 16.9



#32
Benzoic acid
Concen: 6.53 ng
RT: 10.19 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:122 Resp: 9628
Ion Ratio Lower Upper
122 100
105 130.9 117.2 157.2
77 95.8 109.2 149.2#

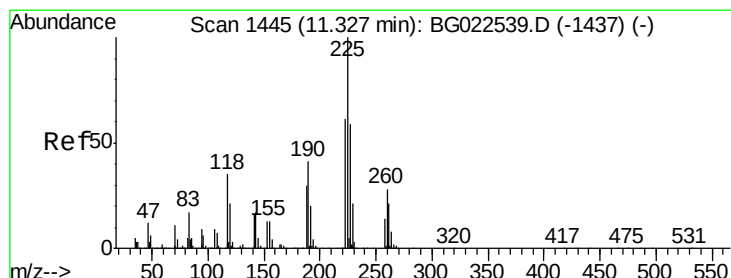
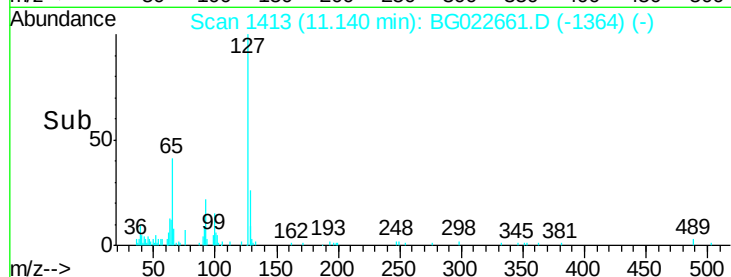
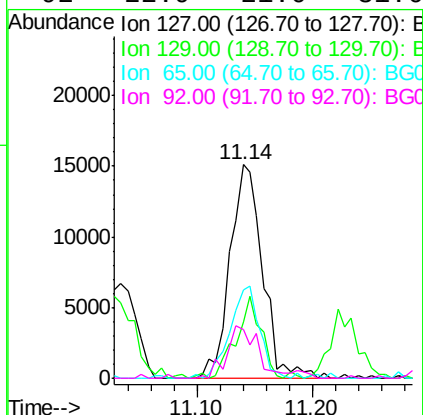
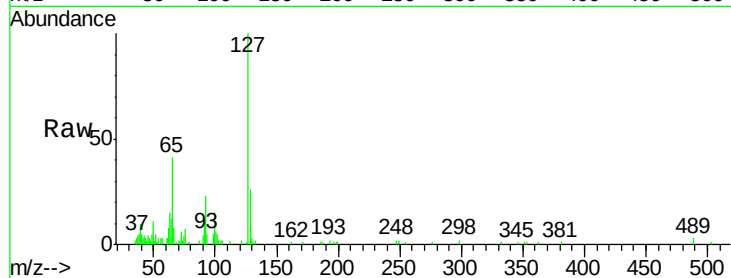




#33
 4-Chloroaniline
 Concen: 2.64 ng
 RT: 11.14 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

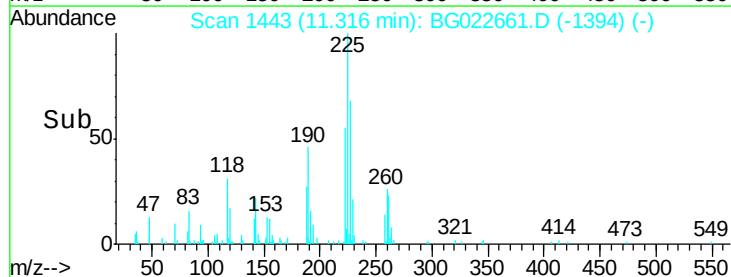
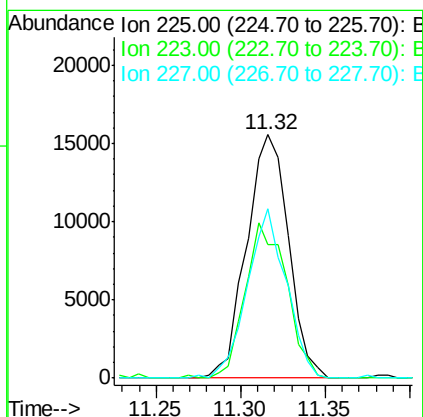
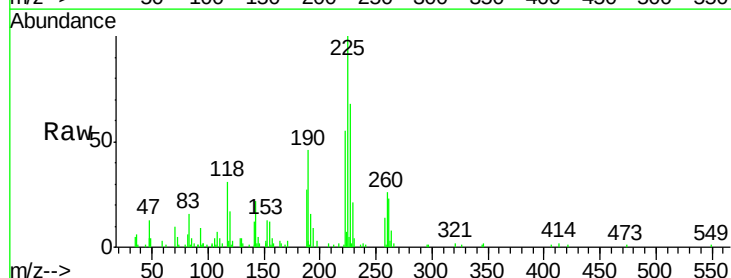
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

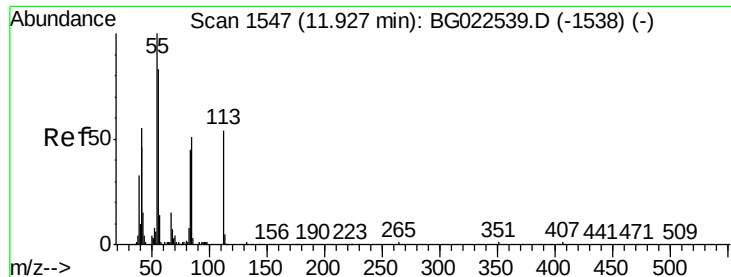
Tgt Ion:	127	Resp:	29479
Ion	Ratio	Lower	Upper
127	100		
129	26.4	27.9	41.9#
65	41.4	36.8	55.2
92	22.9	21.0	31.6



#34
 Hexachlorobutadiene
 Concen: 3.21 ng
 RT: 11.32 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion:	225	Resp:	26821
Ion	Ratio	Lower	Upper
225	100		
223	52.0	49.6	74.4
227	65.9	54.5	81.7





#35

Caprolactam

Concen: 3.56 ng

RT: 11.89 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

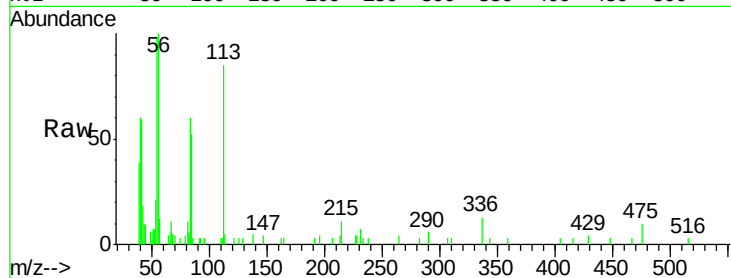
Tgt Ion:113 Resp: 10142

Ion Ratio Lower Upper

113 100

55 115.6 154.5 194.5#

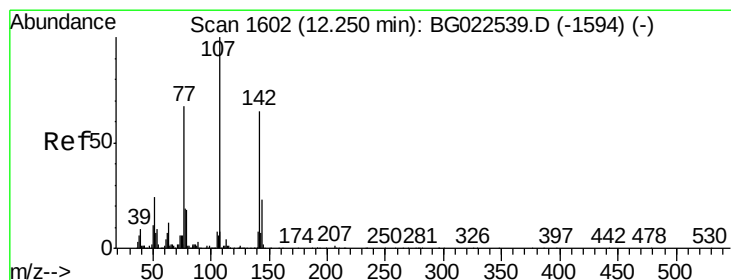
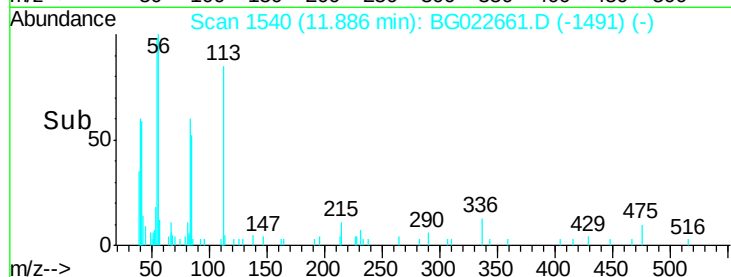
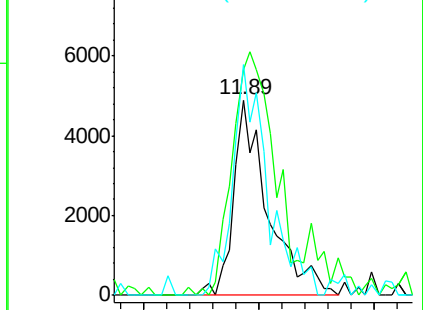
56 118.3 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 3.60 ng

RT: 12.24 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

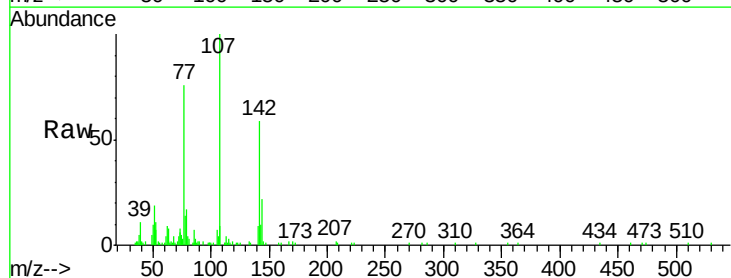
Tgt Ion:107 Resp: 39931

Ion Ratio Lower Upper

107 100

144 22.1 17.0 25.6

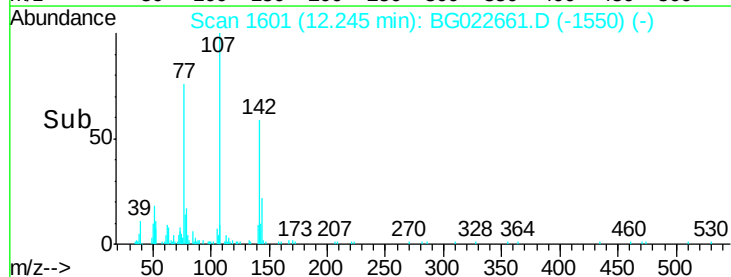
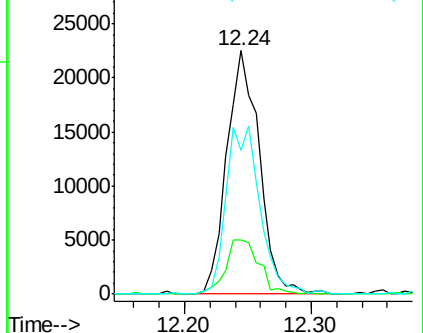
142 59.2 53.0 79.6

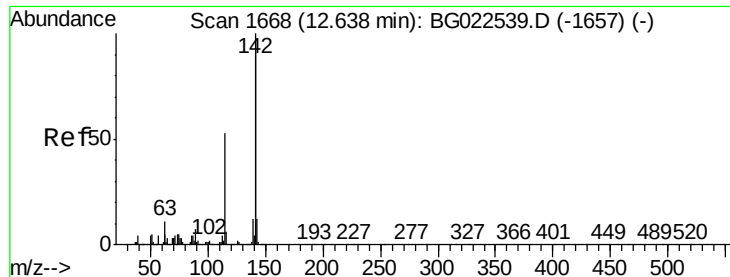


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

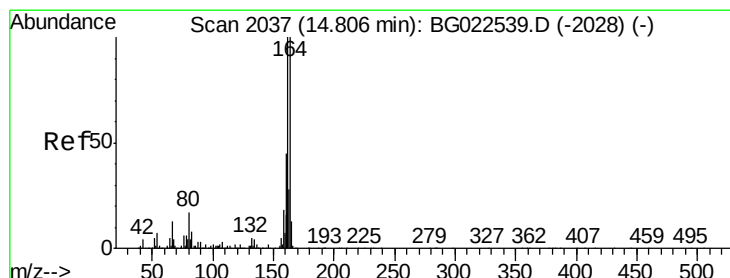
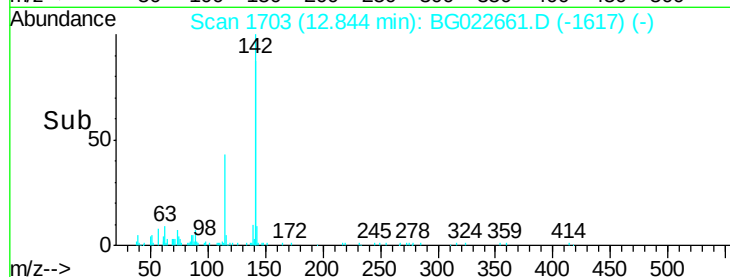
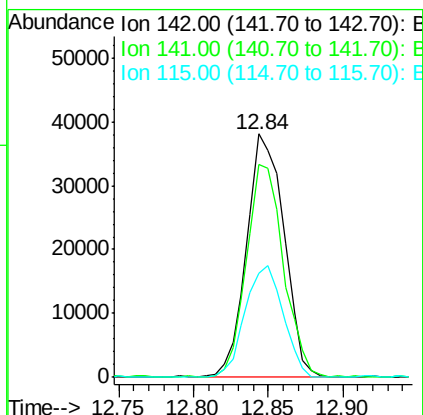
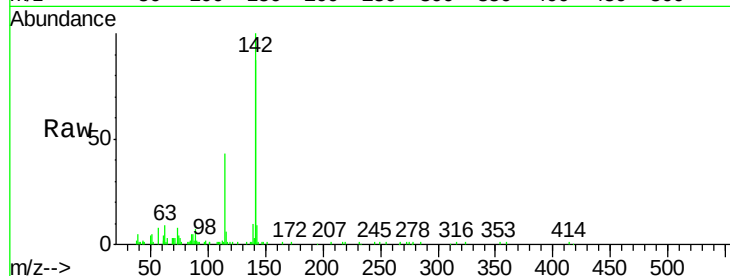




#37
2-Methylnaphthalene
Concen: 3.29 ng
RT: 12.84 min Scan# 1703
Delta R.T. 0.21 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

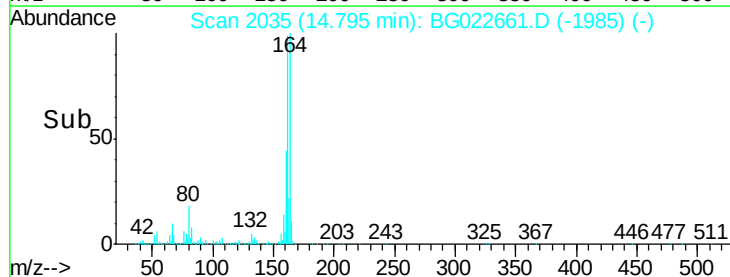
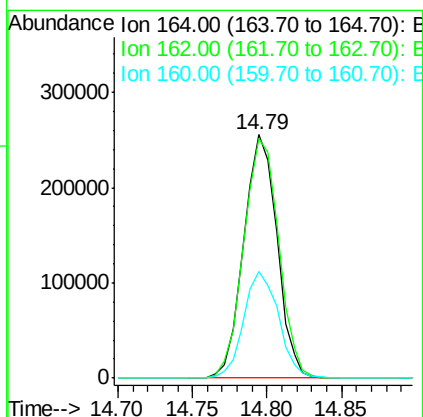
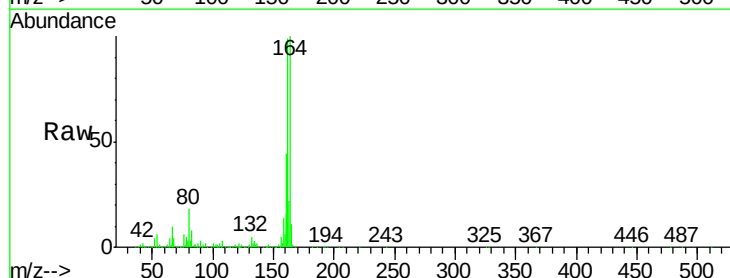
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

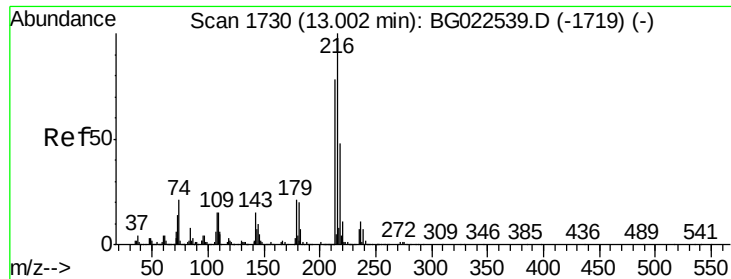
Tgt Ion:142 Resp: 66157
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
115 42.7 41.7 62.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:164 Resp: 394520
Ion Ratio Lower Upper
164 100
162 98.5 87.7 131.5
160 43.8 37.2 55.8

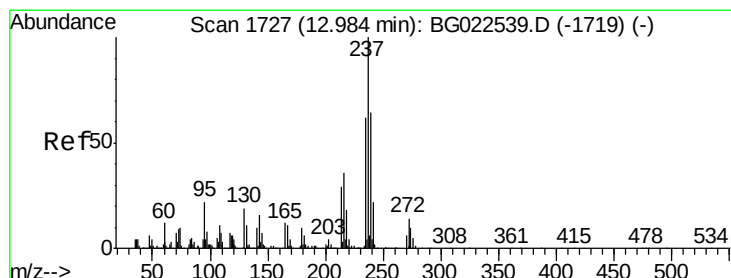
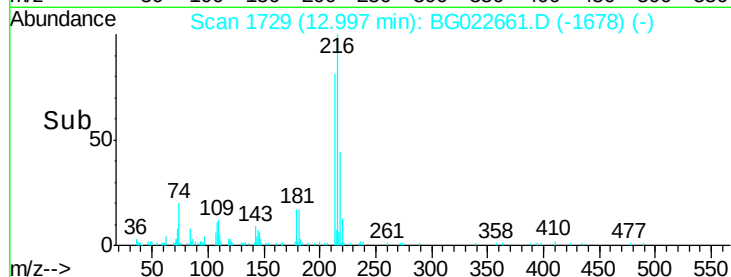
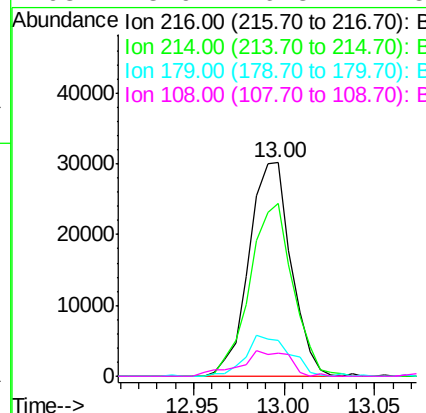
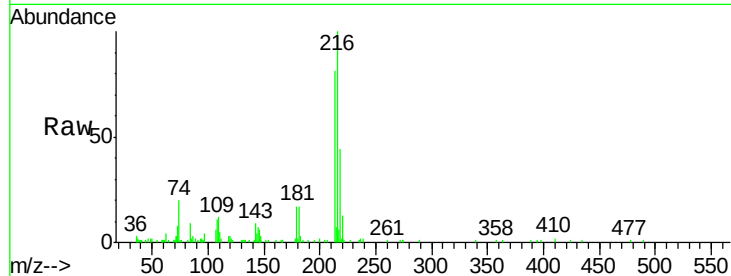




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.29 ng
 RT: 13.00 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

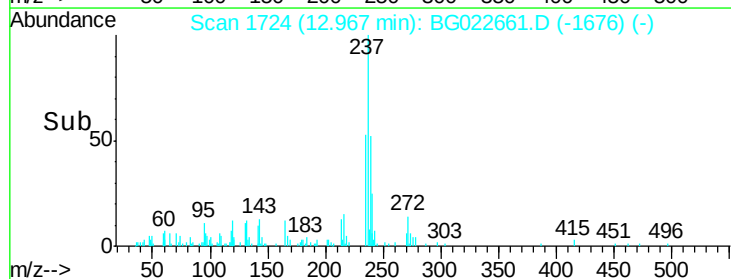
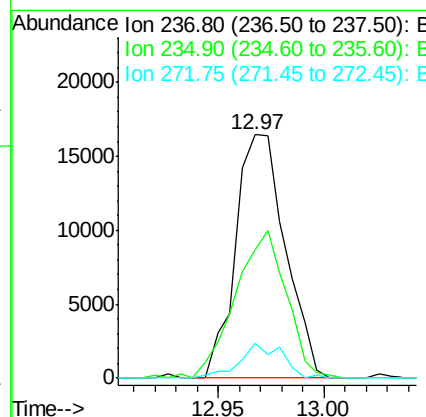
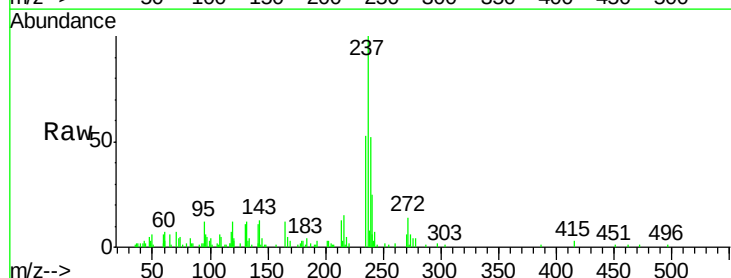
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

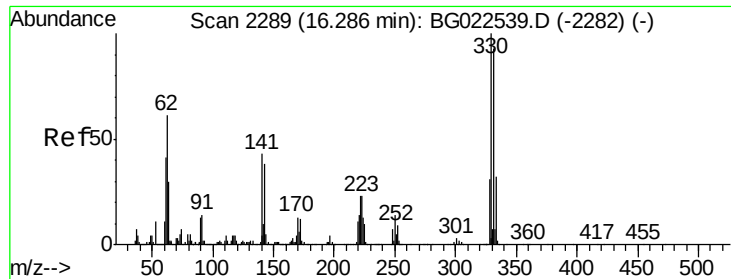
Tgt Ion:	216	Resp:	48953
Ion	Ratio	Lower	Upper
216	100		
214	82.9	62.9	94.3
179	20.1	17.2	25.8
108	13.9	16.3	24.5#



#40
 Hexachlorocyclopentadiene
 Concen: 2.26 ng
 RT: 12.97 min Scan# 1724
 Delta R.T. -0.02 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion:	237	Resp:	26835
Ion	Ratio	Lower	Upper
237	100		
235	52.7	43.1	83.1
272	14.2	0.0	30.9

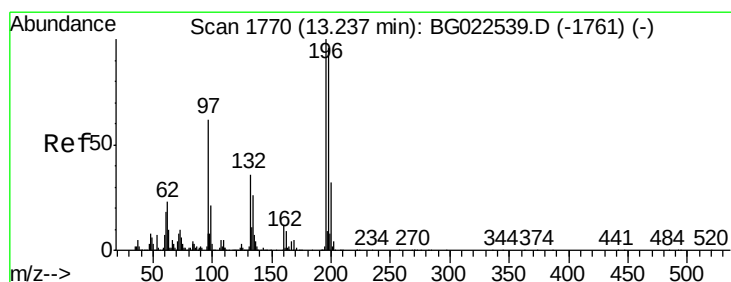
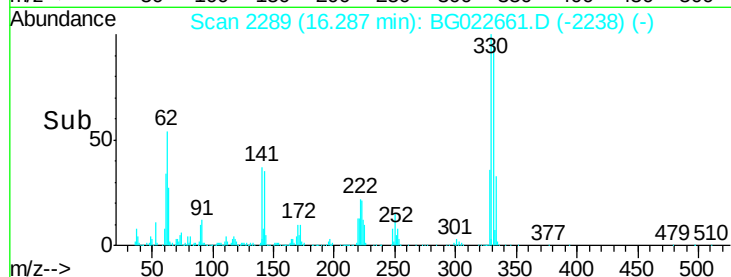
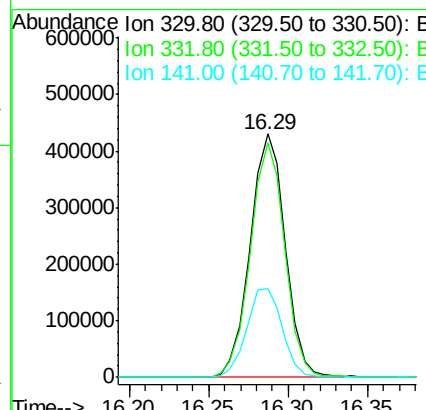
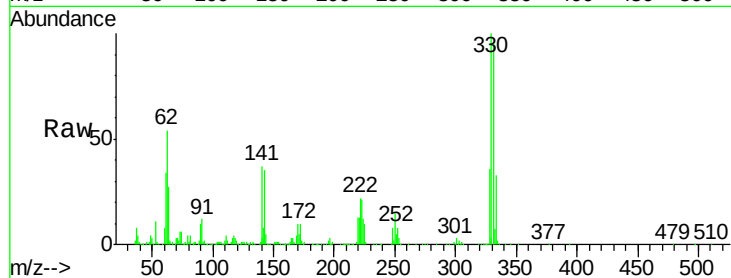




#41
 2,4,6-Tribromophenol
 Concen: 106.10 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.00 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

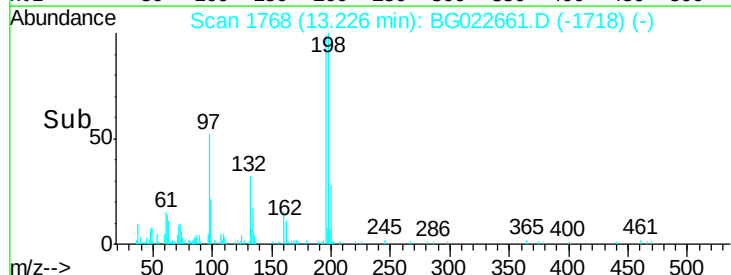
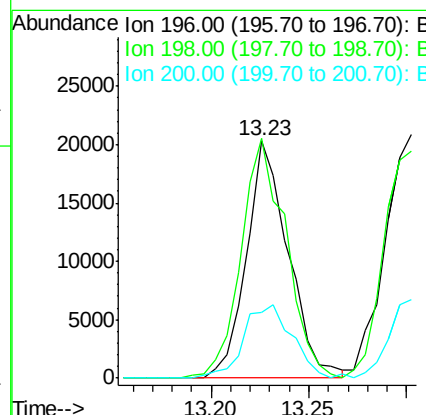
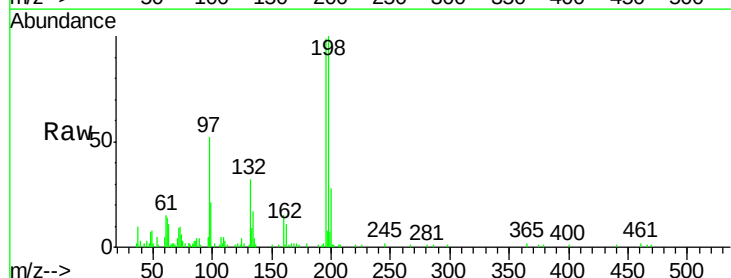
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

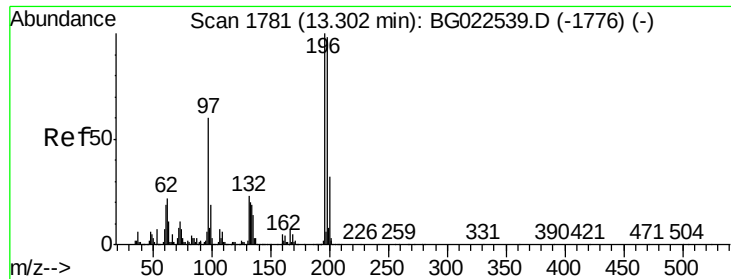
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.4	116.2
141	37.4	31.7	47.5



#42
 2,4,6-Trichlorophenol
 Concen: 3.15 ng
 RT: 13.23 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.9	78.2	117.2
200	27.9	27.0	40.4

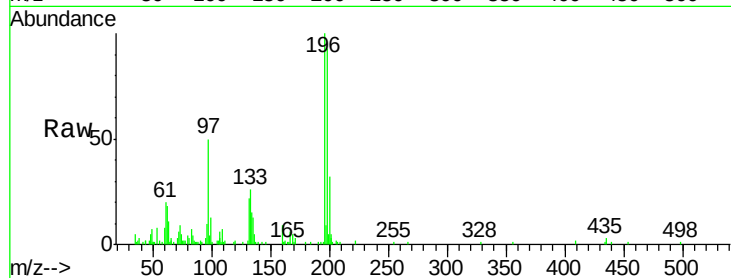




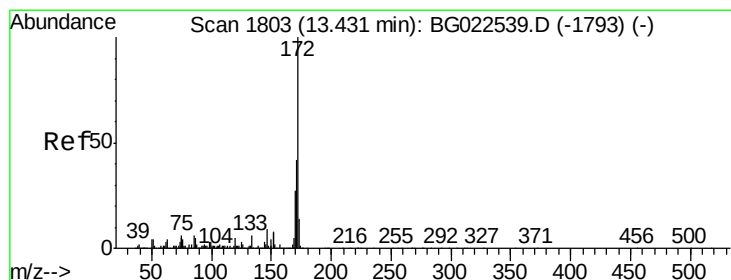
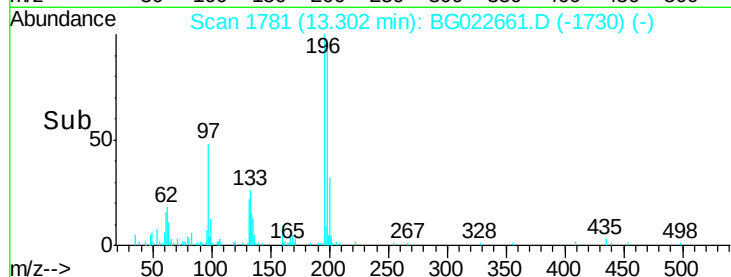
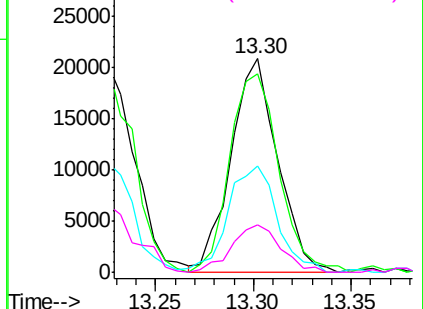
#43
2,4,5-Trichlorophenol
Concen: 3.46 ng
RT: 13.30 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:196 Resp: 34559
Ion Ratio Lower Upper
196 100
198 93.1 85.7 128.5
97 49.8 45.5 68.3
132 22.0 18.9 28.3

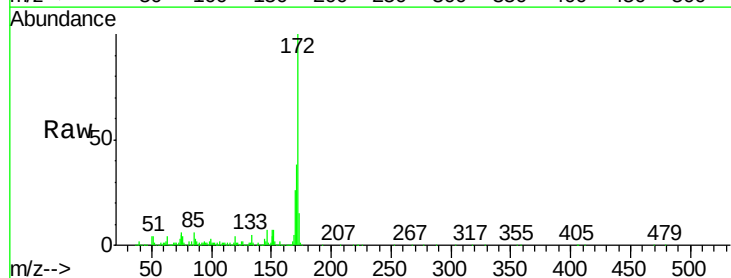


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

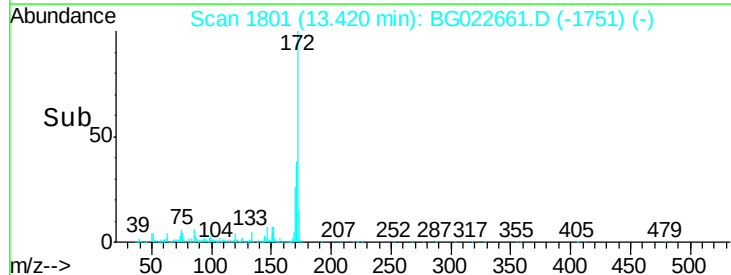
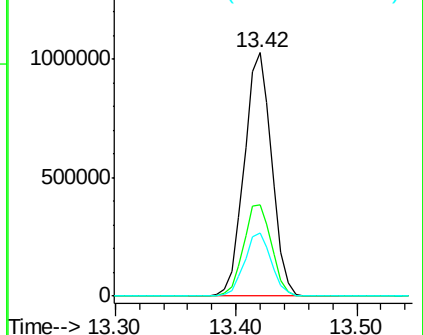


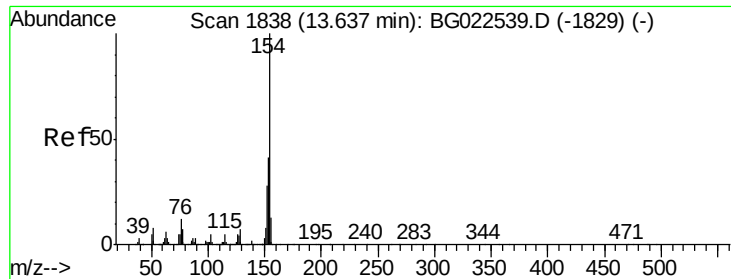
#44
2-Fluorobiphenyl
Concen: 65.37 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:172 Resp: 1626266
Ion Ratio Lower Upper
172 100
171 37.7 31.6 47.4
170 26.1 21.3 31.9



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

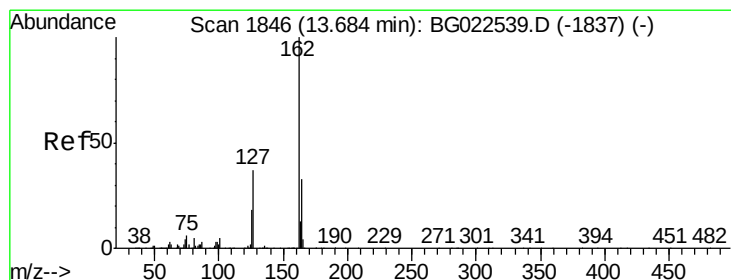
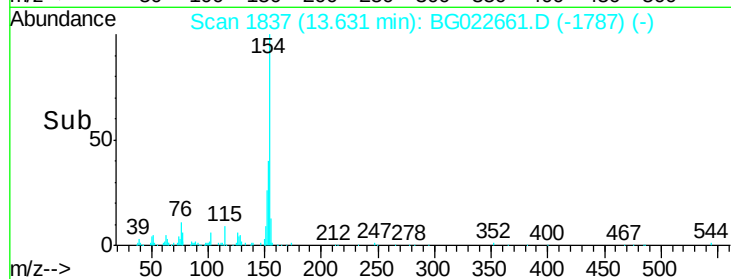
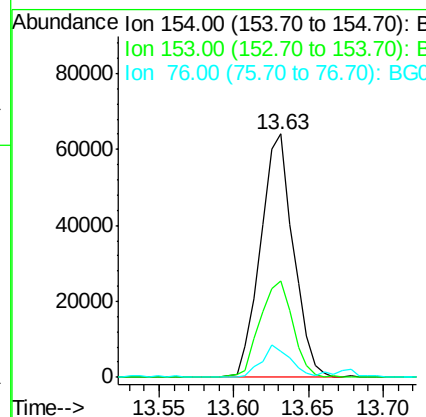
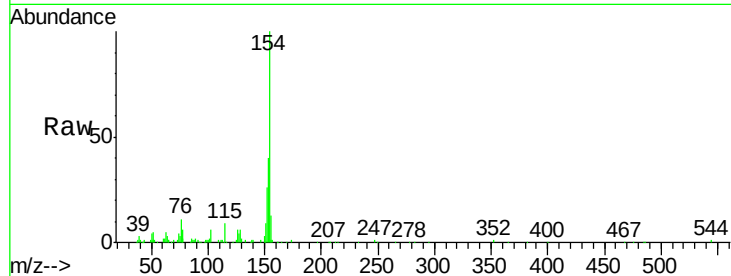




#45
1,1'-Biphenyl
Concen: 3.22 ng
RT: 13.63 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

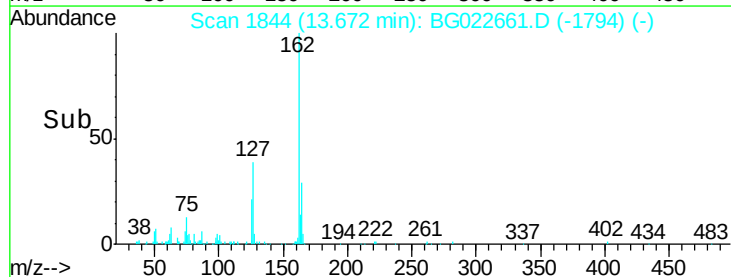
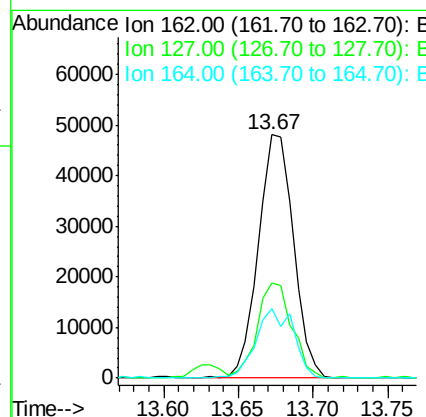
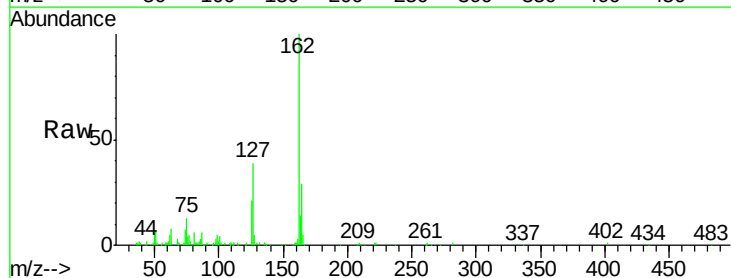
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

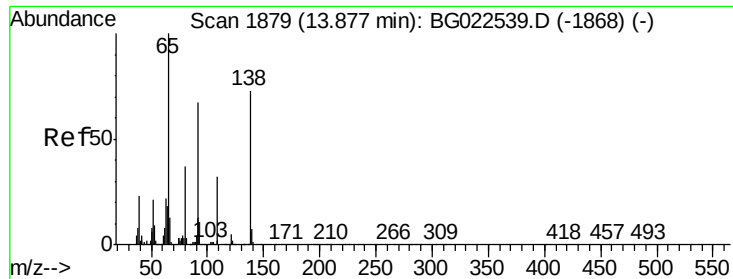
Tgt Ion:	154	Resp:	96887
Ion Ratio	Lower	Upper	
154	100		
153	39.8	20.2	60.2
76	10.8	0.0	32.9



#46
2-Chloronaphthalene
Concen: 3.16 ng
RT: 13.67 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:	162	Resp:	78131
Ion Ratio	Lower	Upper	
162	100		
127	39.0	32.4	48.6
164	28.6	25.2	37.8

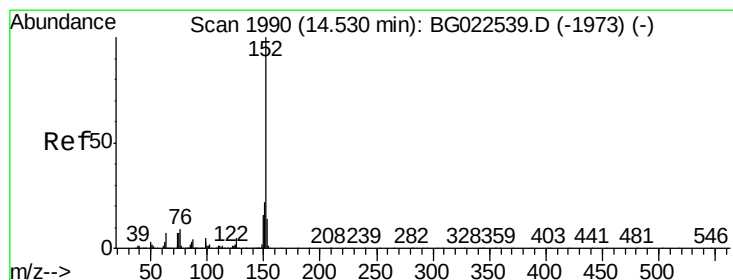
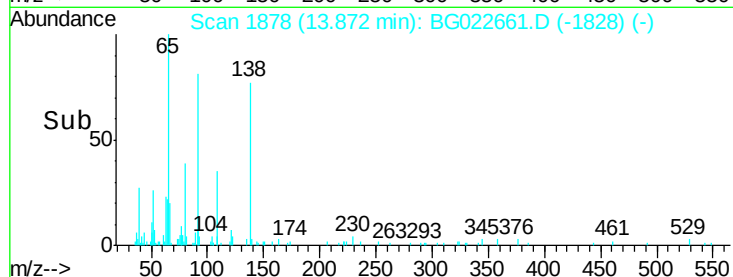
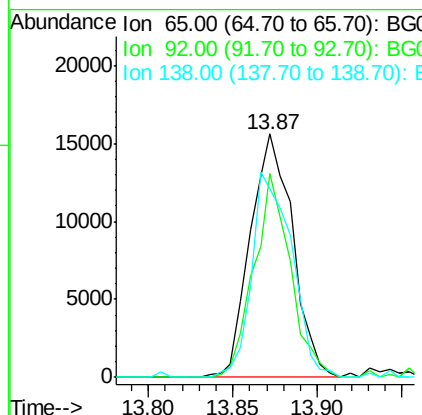
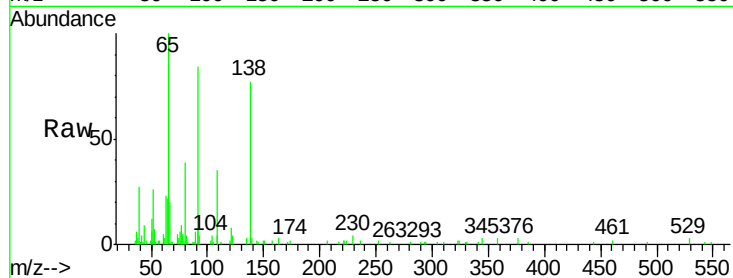




#47
2-Nitroaniline
Concen: 2.83 ng
RT: 13.87 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

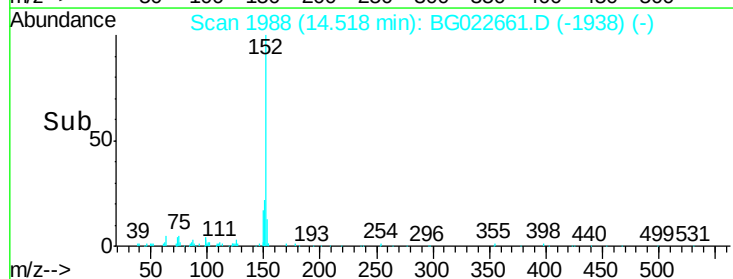
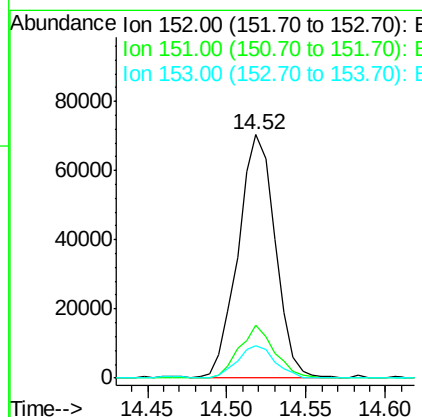
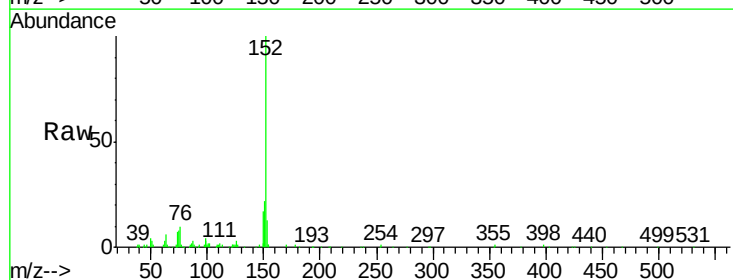
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

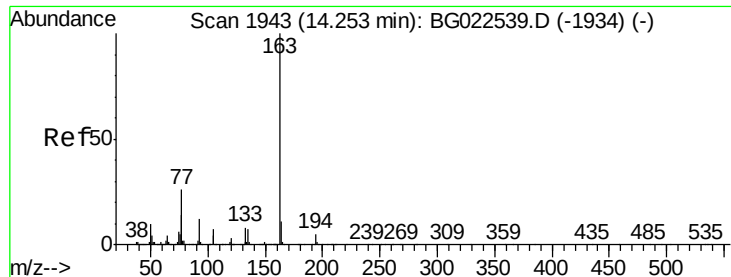
Tgt Ion: 65 Resp: 27009
Ion Ratio Lower Upper
65 100
92 83.5 49.4 74.0#
138 77.2 58.0 87.0



#48
Acenaphthylene
Concen: 3.20 ng
RT: 14.52 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion: 152 Resp: 114695
Ion Ratio Lower Upper
152 100
151 21.9 17.6 26.4
153 13.3 11.4 17.2

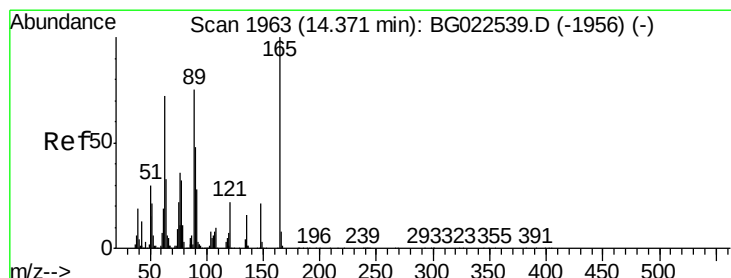
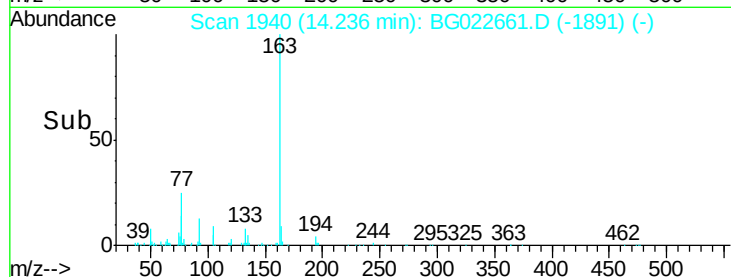
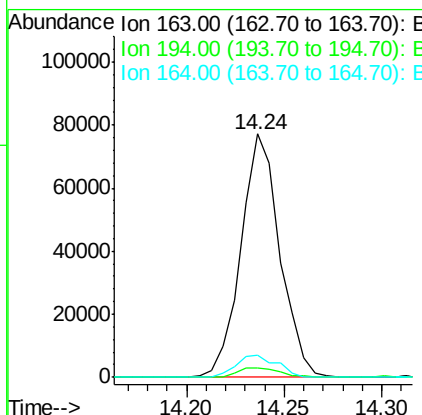
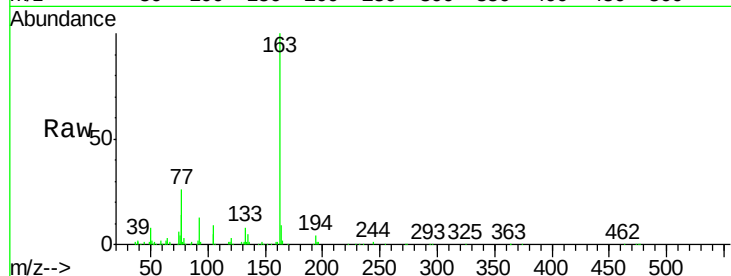




#49
Dimethylphthalate
Concen: 3.25 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

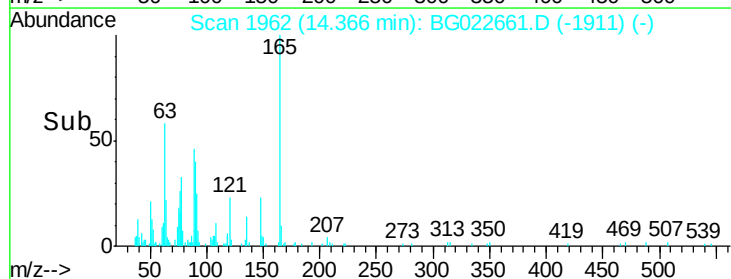
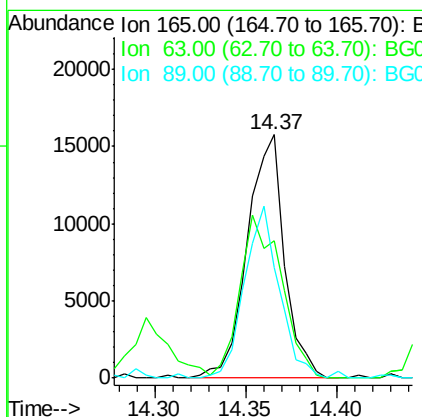
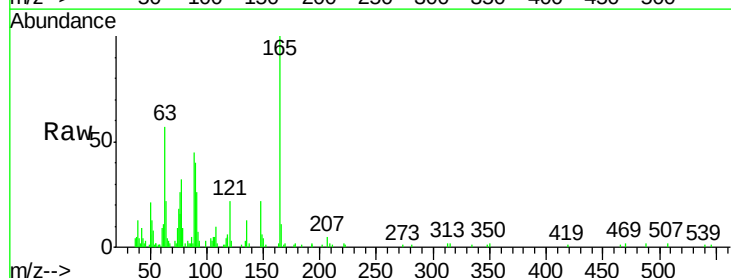
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

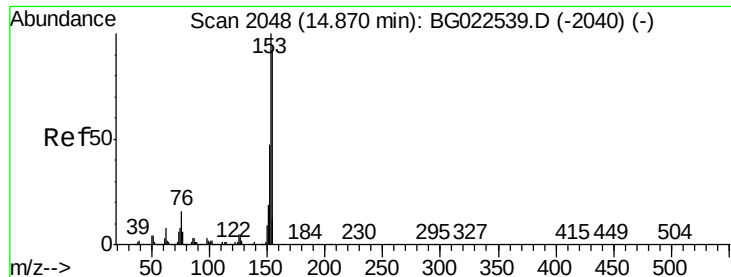
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.6	5.4
164	8.9	8.1	12.1



#50
2,6-Dinitrotoluene
Concen: 3.17 ng
RT: 14.37 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.5	64.3	96.5#
89	45.4	64.3	96.5#





#51

Acenaphthene

Concen: 2.86 ng

RT: 14.86 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

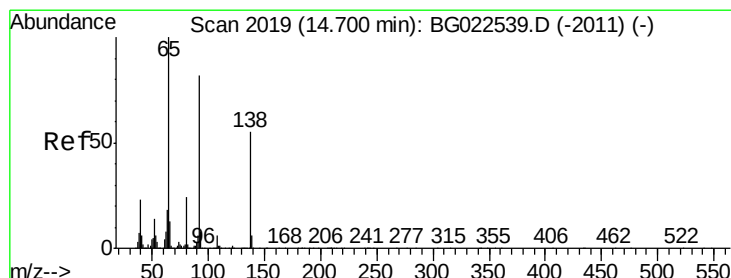
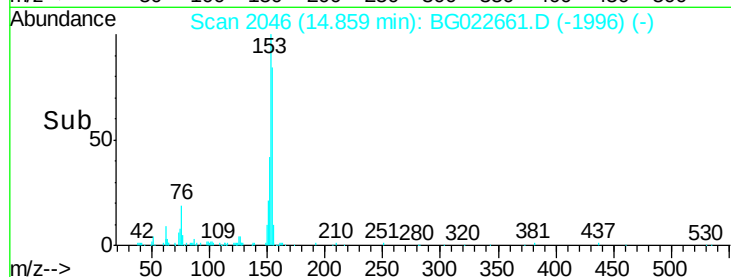
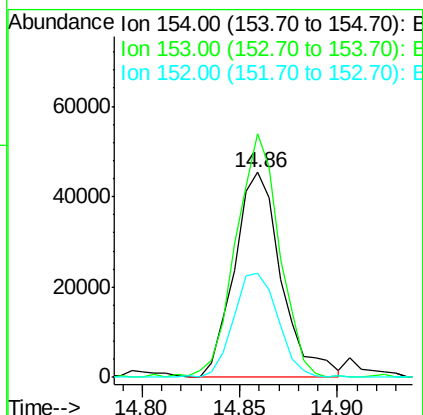
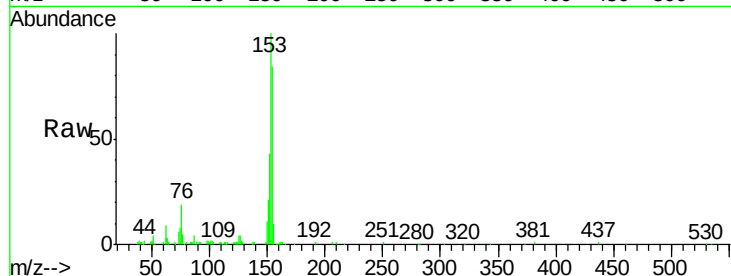
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	154	Resp:	75447
Ion	Ratio	Lower	Upper
154	100		
153	118.8	87.5	131.3
152	50.9	42.7	64.1



#52

3-Nitroaniline

Concen: 2.93 ng

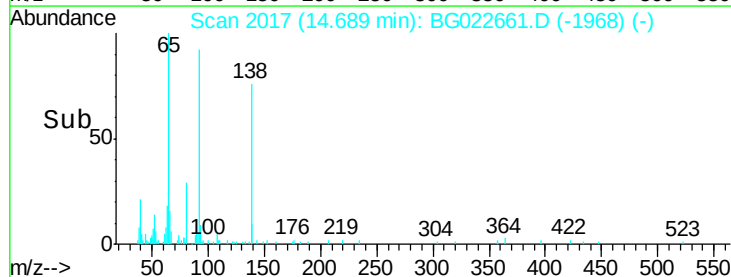
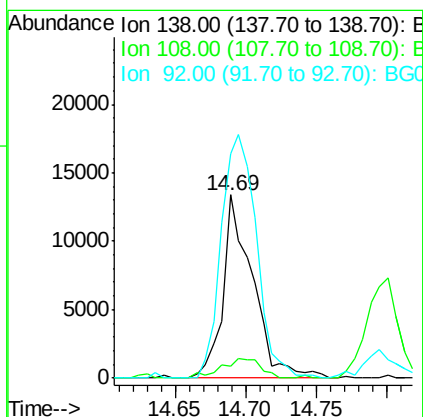
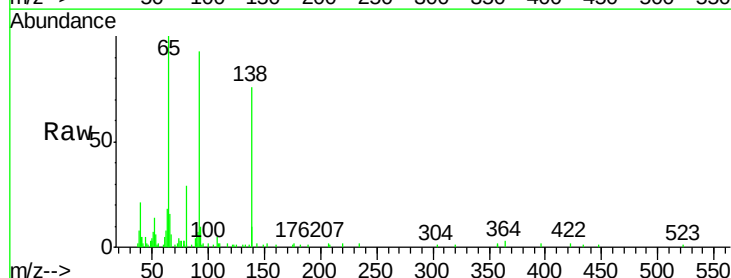
RT: 14.69 min Scan# 2017

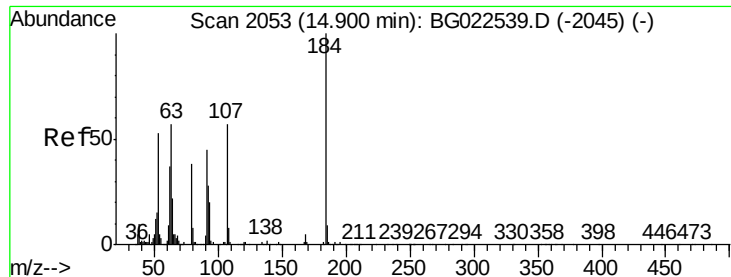
Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Tgt Ion:	138	Resp:	19530
Ion	Ratio	Lower	Upper
138	100		
108	6.2	11.7	17.5#
92	122.6	129.7	194.5#





#53

2,4-Dinitrophenol

Concen: 2.63 ng

RT: 14.90 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

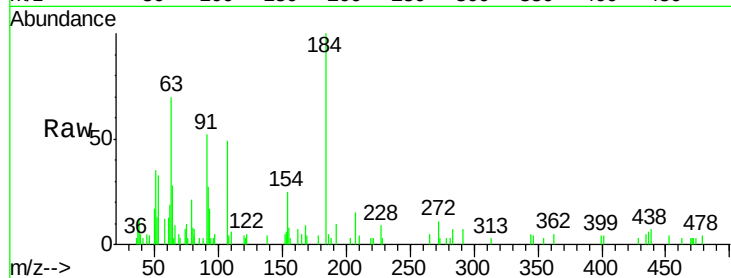
Tgt Ion:184 Resp: 11512

Ion Ratio Lower Upper

184 100

63 70.2 59.6 89.4

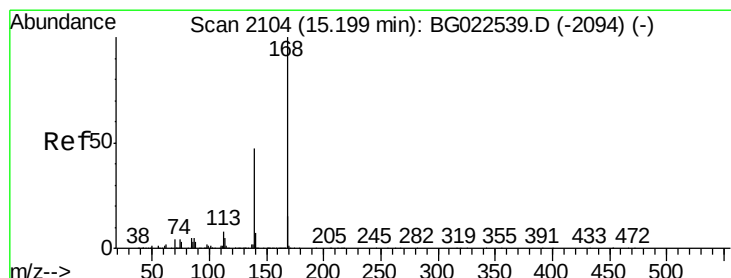
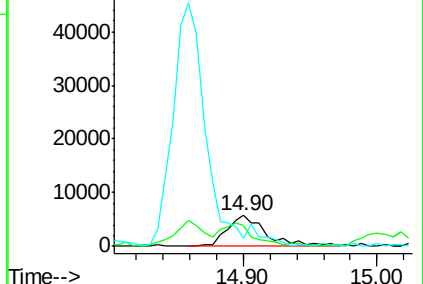
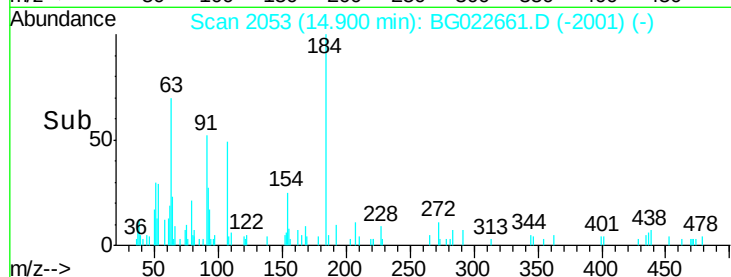
154 25.4 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG022539.D (-2045) (-)

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 3.64 ng

RT: 15.19 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

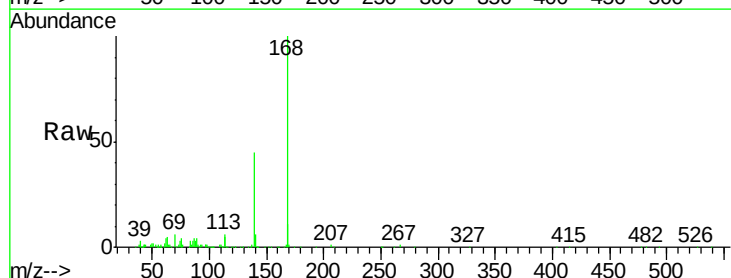
Tgt Ion:168 Resp: 139118

Ion Ratio Lower Upper

168 100

139 45.2 36.4 54.6

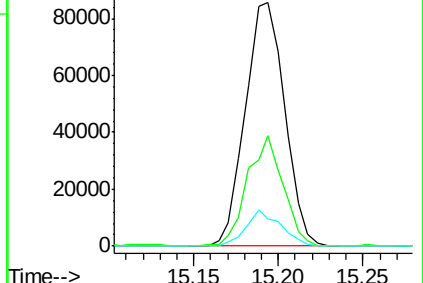
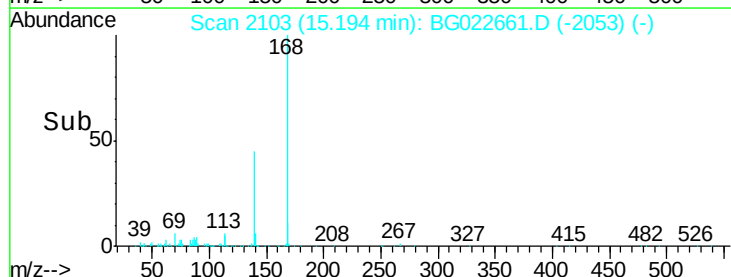
169 11.4 11.9 17.9#

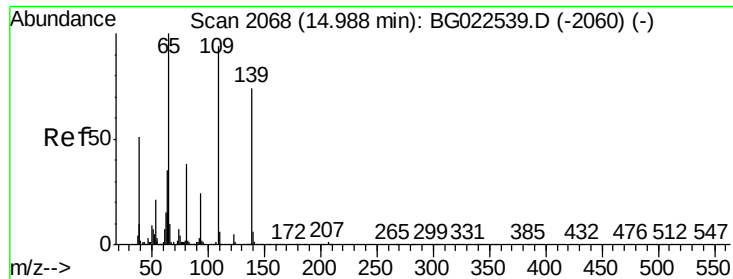


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

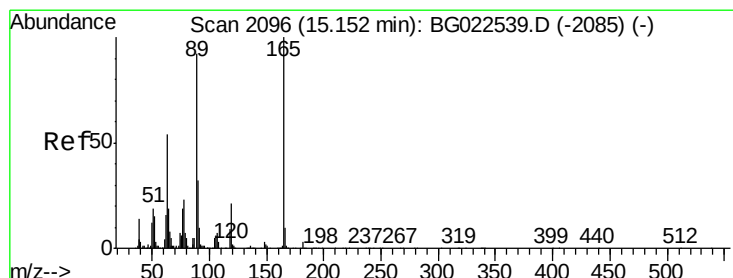
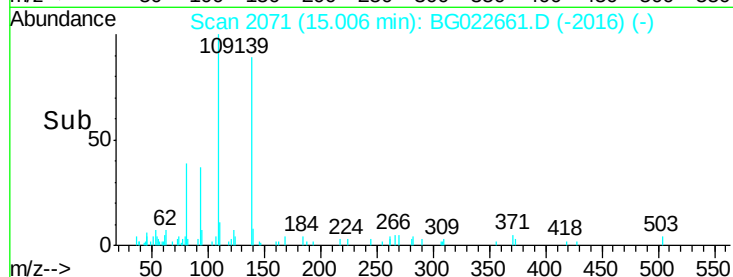
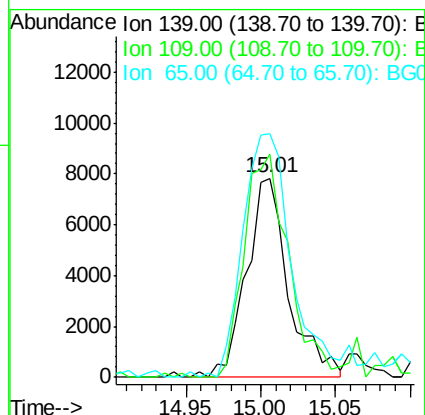
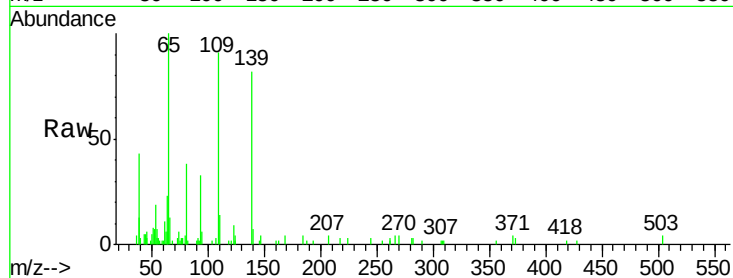




#55
4-Nitrophenol
Concen: 2.72 ng
RT: 15.01 min Scan# 2071
Delta R.T. 0.02 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

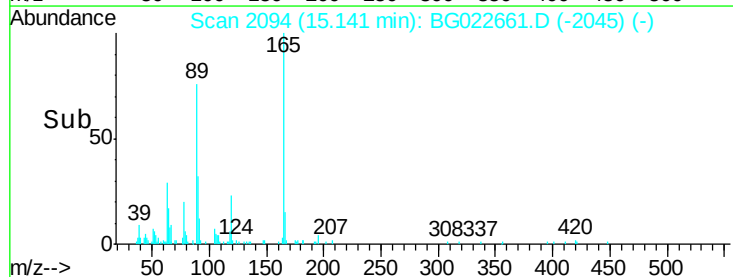
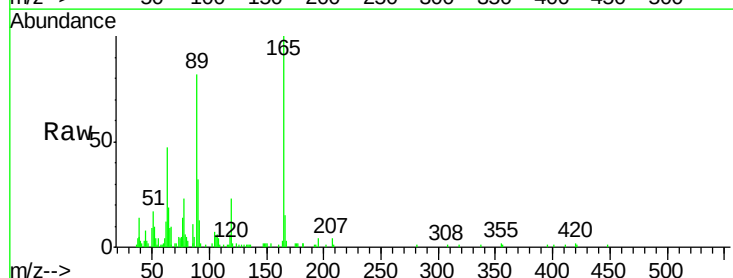
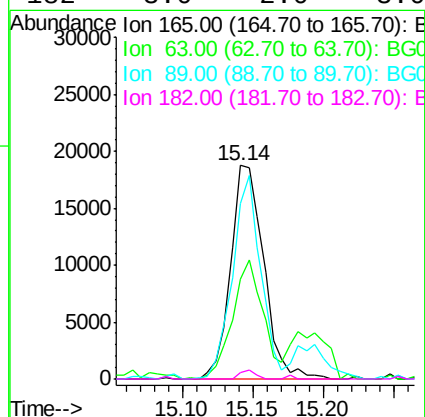
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

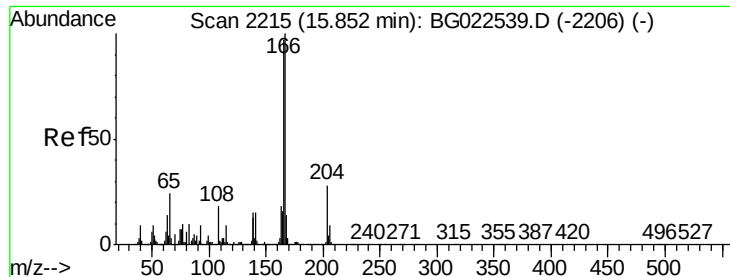
Tgt Ion:139 Resp: 15288
Ion Ratio Lower Upper
139 100
109 111.9 103.0 143.0
65 122.3 112.7 152.7



#56
2,4-Dinitrotoluene
Concen: 3.10 ng
RT: 15.14 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:165 Resp: 30550
Ion Ratio Lower Upper
165 100
63 47.0 45.8 68.6
89 82.3 68.6 102.8
182 3.0 2.0 3.0#

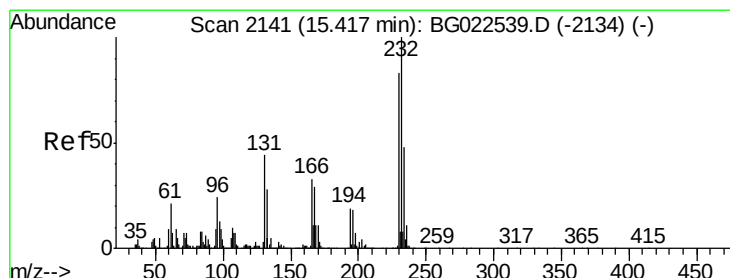
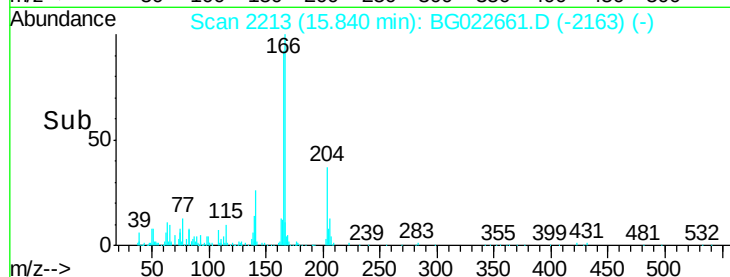
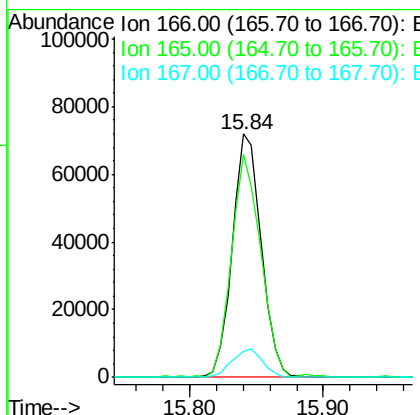
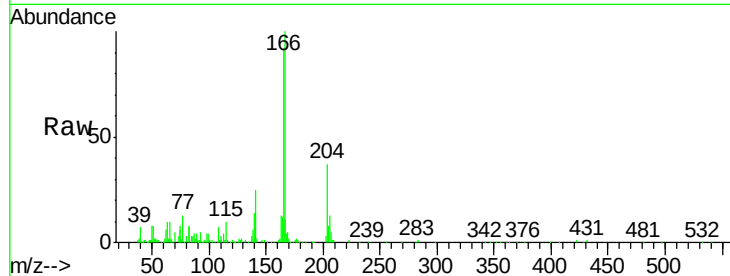




#57
 Fluorene
 Concen: 3.56 ng
 RT: 15.84 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

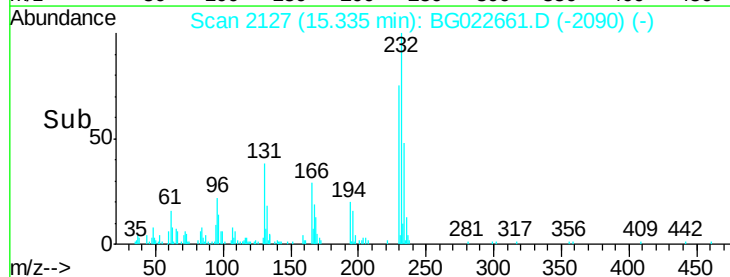
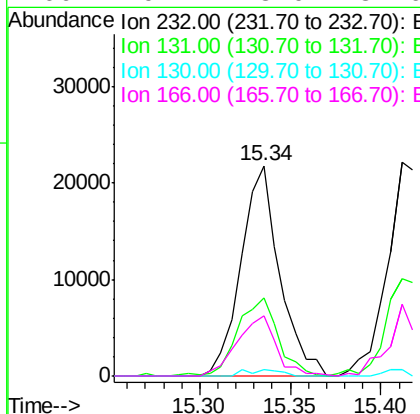
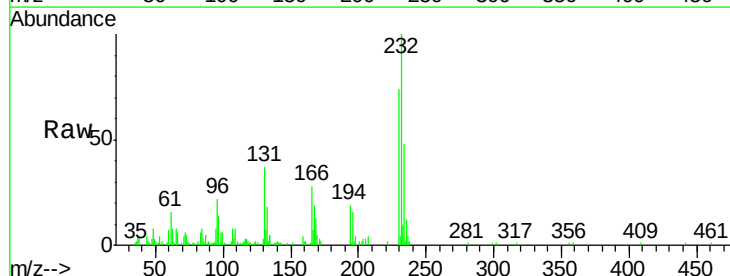
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

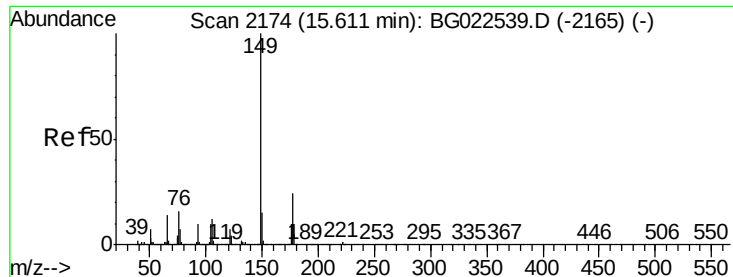
Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.9	81.0	121.6
167	10.6	12.0	18.0#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.11 ng
 RT: 15.34 min Scan# 2127
 Delta R.T. -0.08 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
232	100		
131	39.5	32.7	49.1
130	2.7	2.6	3.8
166	29.2	23.0	34.6

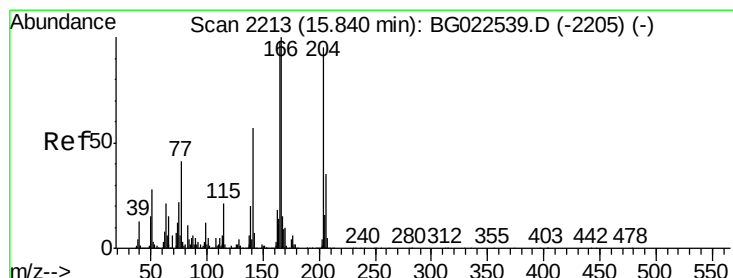
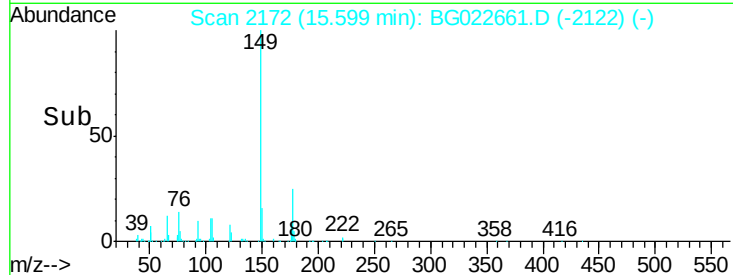
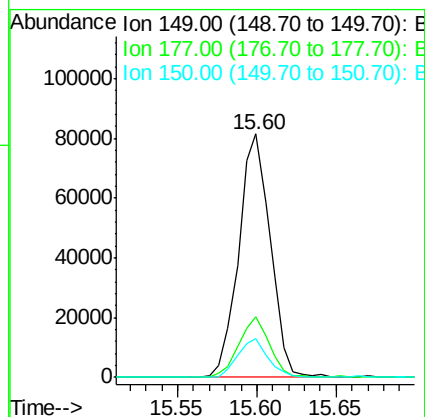
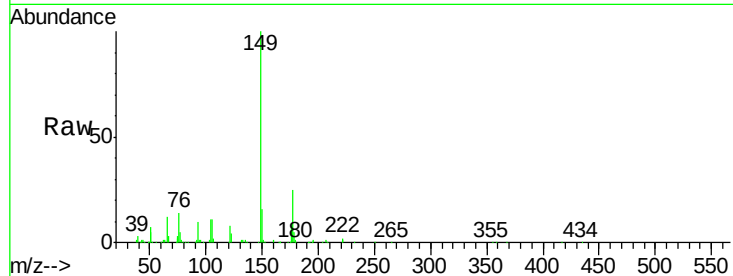




#59
Diethylphthalate
Concen: 3.33 ng
RT: 15.60 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

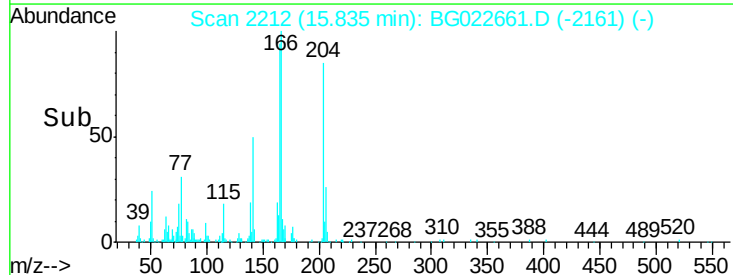
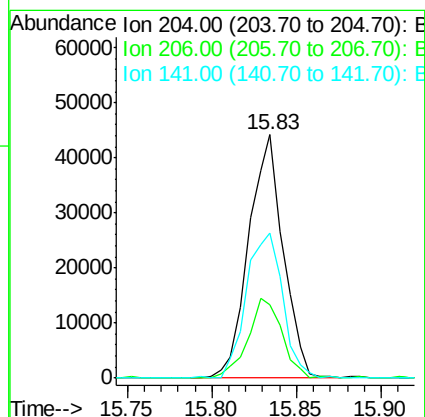
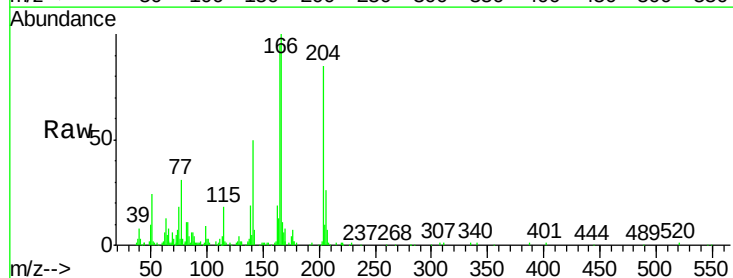
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

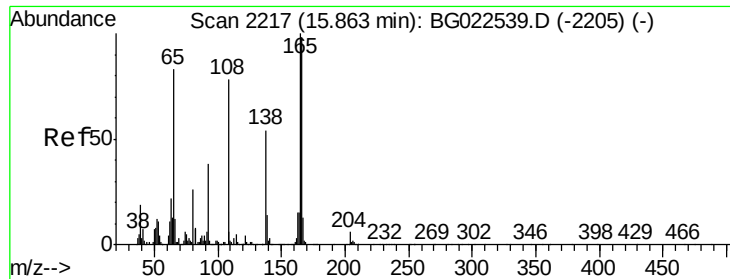
Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.7	19.2	28.8
150	16.1	10.6	16.0



#60
4-Chlorophenyl-phenylether
Concen: 3.46 ng
RT: 15.83 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
204	100		
206	30.1	28.5	42.7
141	59.3	51.4	77.0

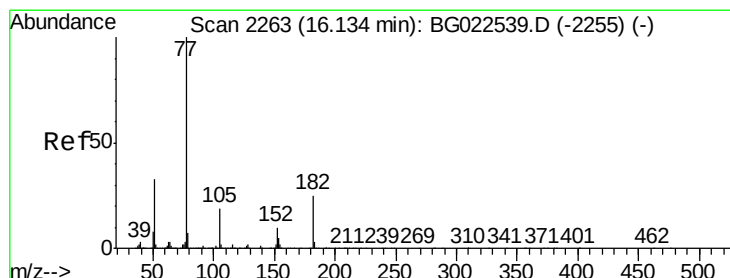
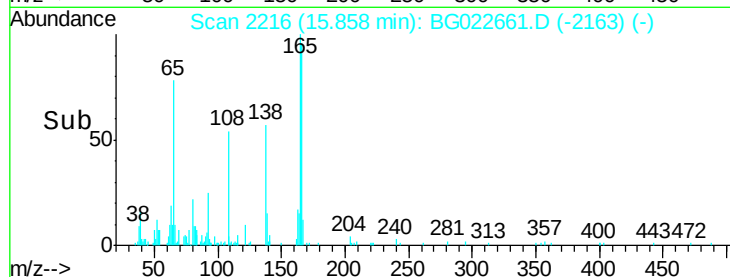
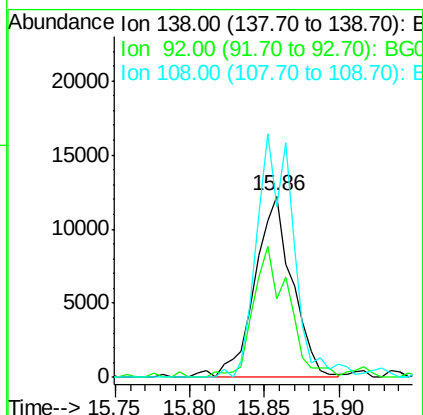
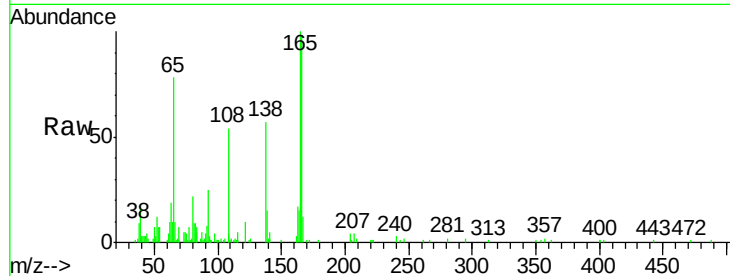




#61
4-Nitroaniline
Concen: 3.09 ng
RT: 15.86 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

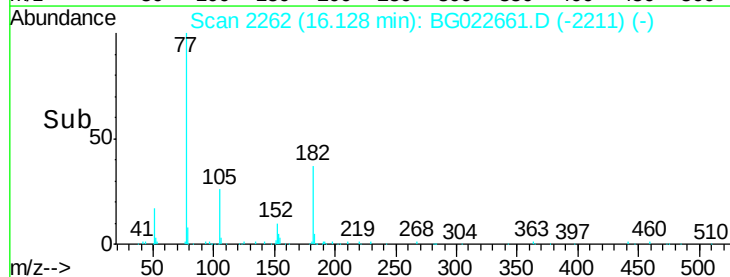
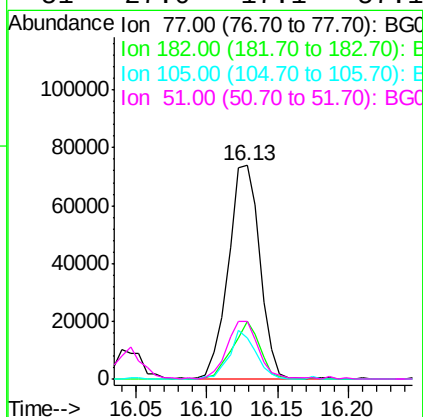
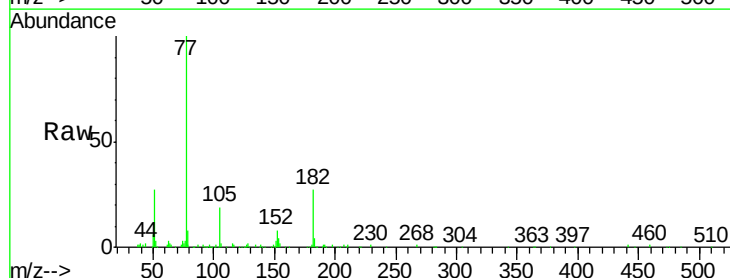
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

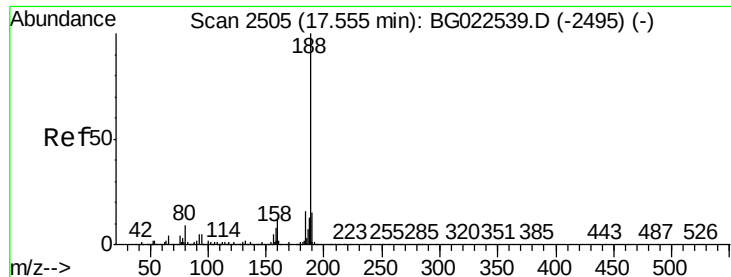
Tgt Ion:138 Resp: 21186
Ion Ratio Lower Upper
138 100
92 43.6 54.1 94.1#
108 94.2 133.9 173.9#



#62
Azobenzene
Concen: 3.16 ng
RT: 16.13 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion: 77 Resp: 115183
Ion Ratio Lower Upper
77 100
182 27.3 3.5 43.5
105 19.3 0.0 38.5
51 27.0 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

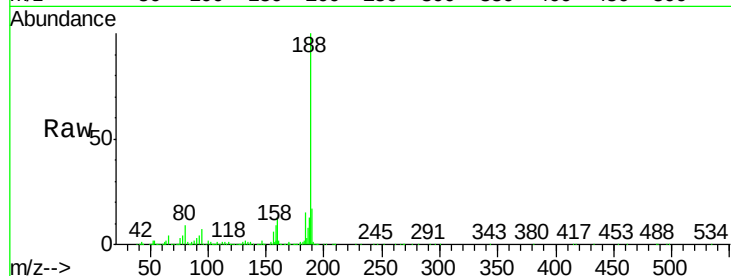
Tgt Ion:188 Resp: 1059342

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

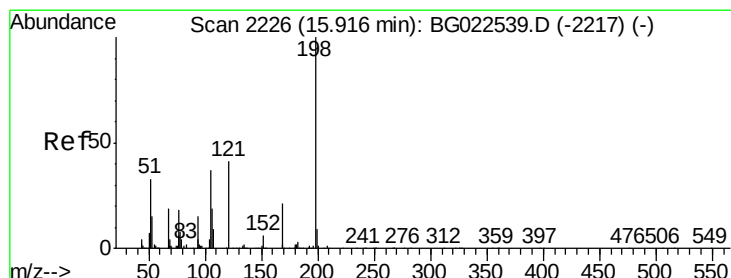
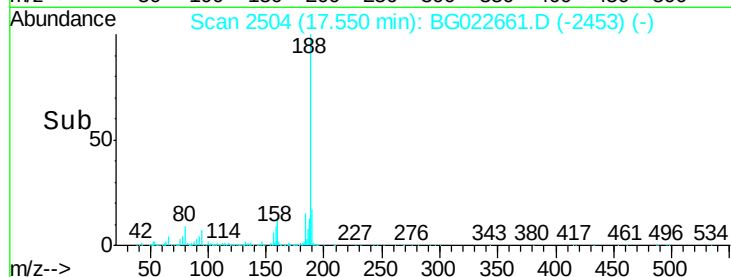
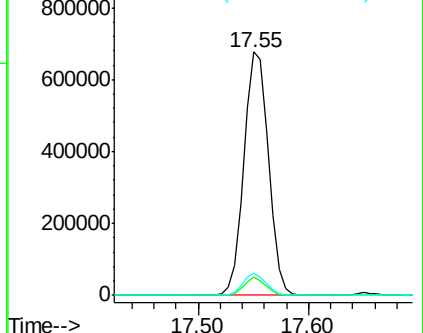
80 9.0 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 2.66 ng

RT: 15.92 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

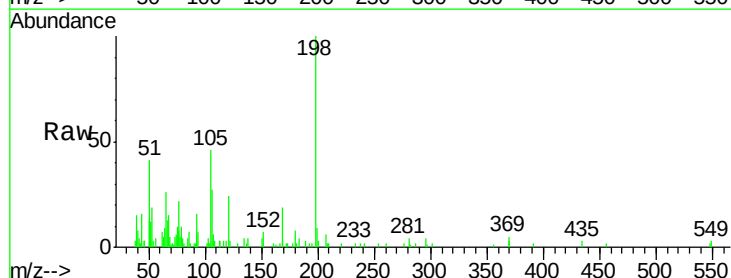
Tgt Ion:198 Resp: 18895

Ion Ratio Lower Upper

198 100

51 40.7 26.0 66.0

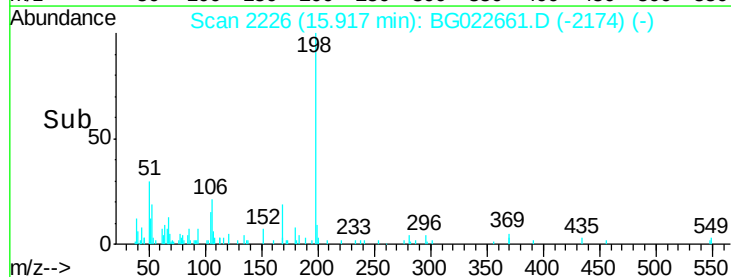
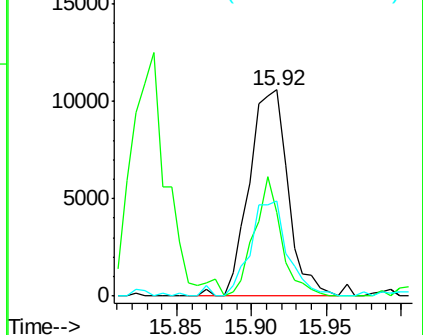
105 46.4 20.1 60.1

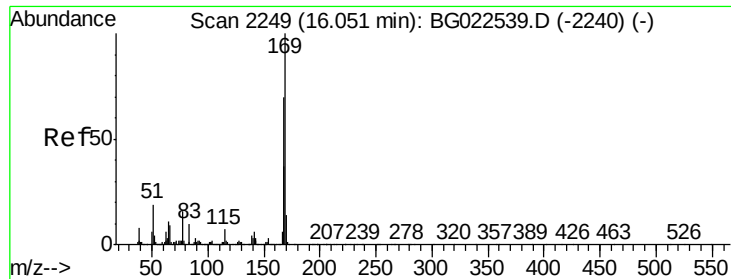


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

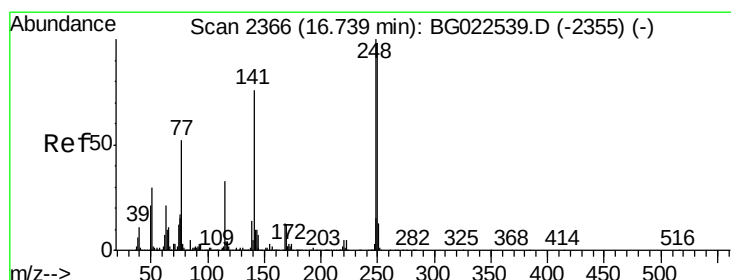
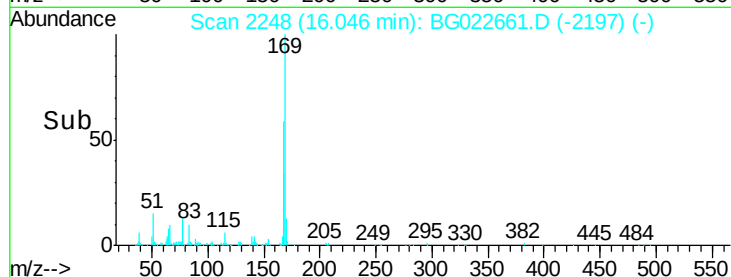
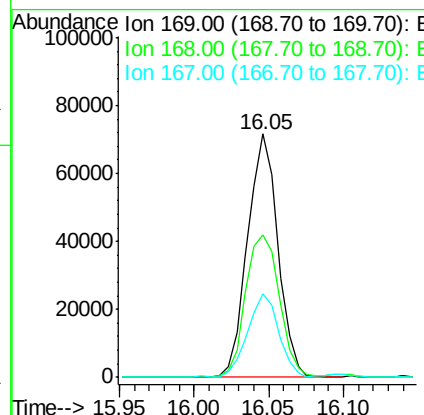
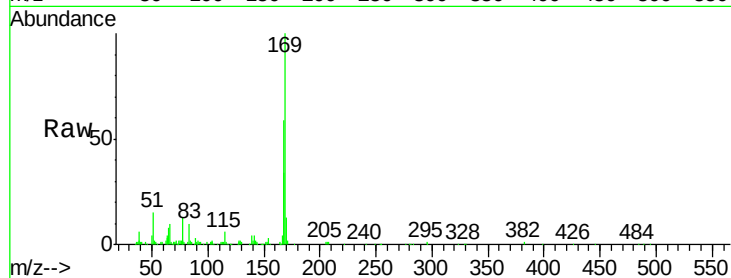




#65
 n-Nitrosodiphenylamine
 Concen: 3.26 ng
 RT: 16.05 min Scan# 2248
 Delta R.T. -0.00 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

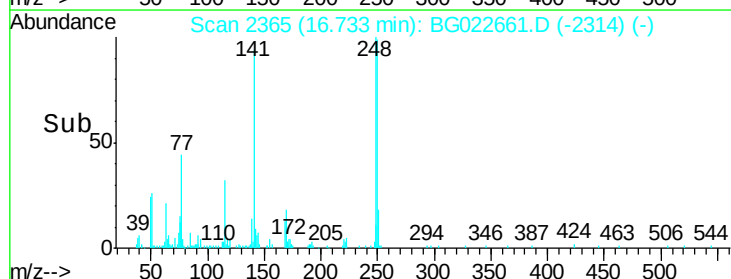
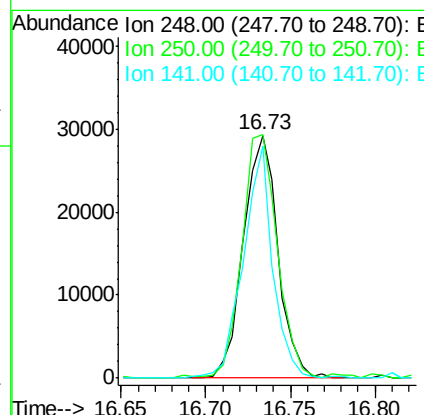
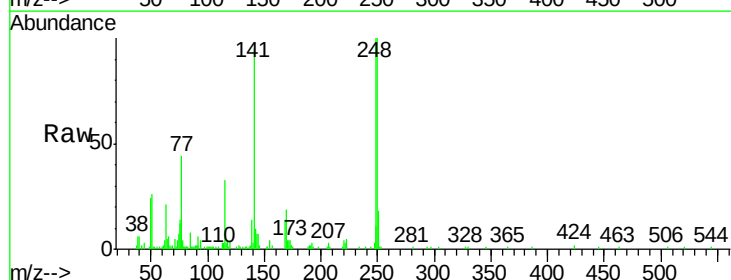
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

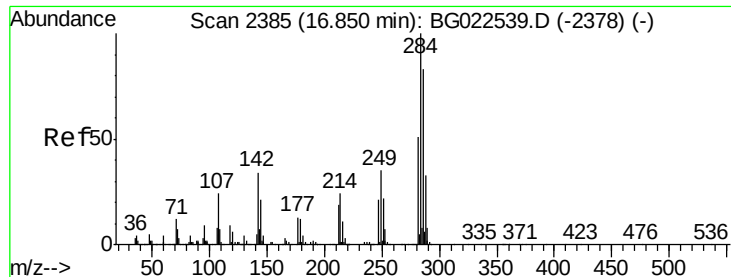
Tgt Ion:169 Resp: 100596
 Ion Ratio Lower Upper
 169 100
 168 58.7 55.0 82.4
 167 34.2 27.4 41.0



#66
 4-Bromophenyl-phenylether
 Concen: 3.02 ng
 RT: 16.73 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion:248 Resp: 41473
 Ion Ratio Lower Upper
 248 100
 250 100.3 77.8 116.8
 141 95.4 65.7 98.5

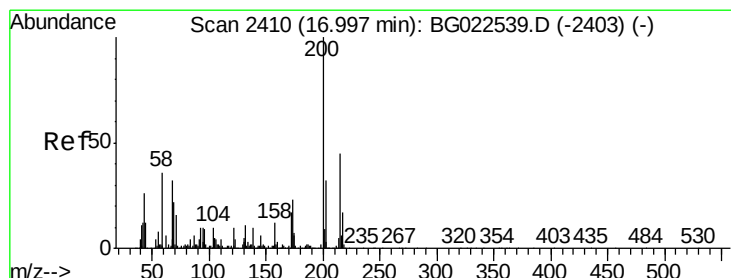
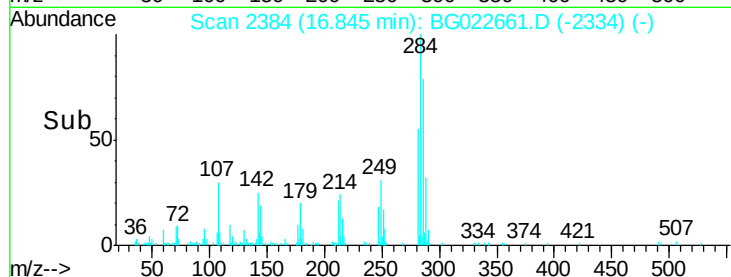
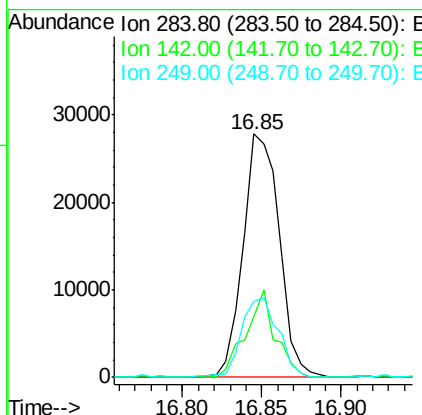
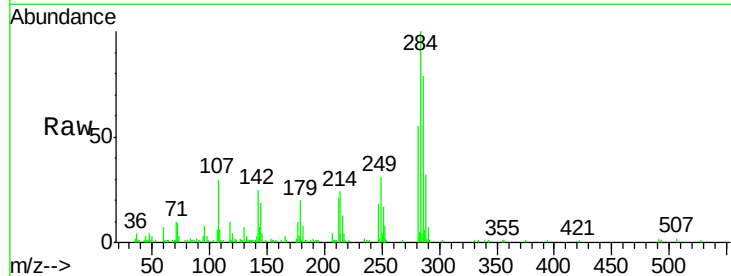




#67
Hexachlorobenzene
Concen: 3.04 ng
RT: 16.85 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

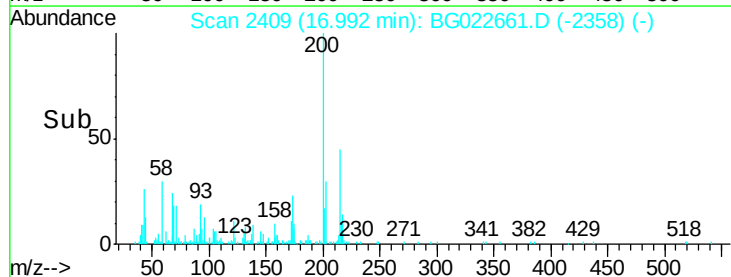
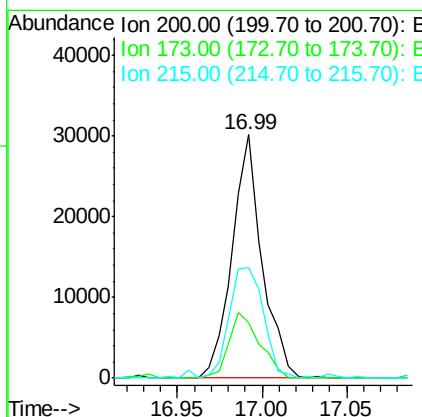
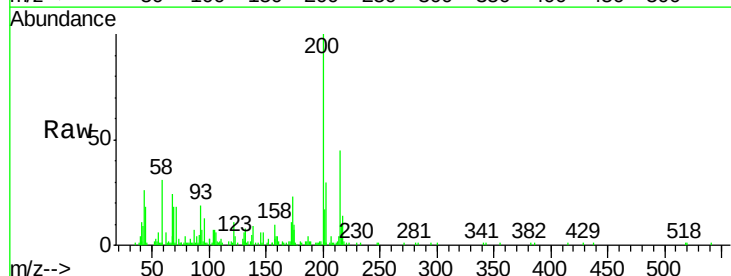
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

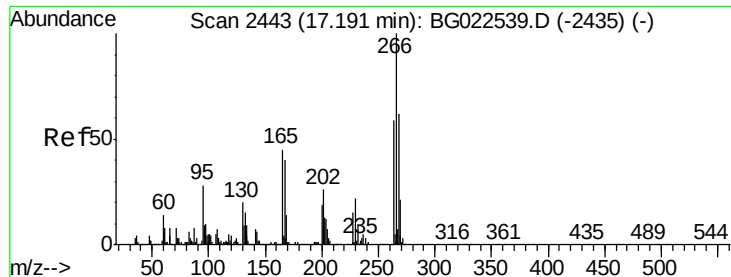
Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.7	26.8	40.2#
249	31.2	28.9	43.3



#68
Atrazine
Concen: 2.84 ng
RT: 16.99 min Scan# 2409
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.6	1.6	41.6
215	45.5	28.7	68.7

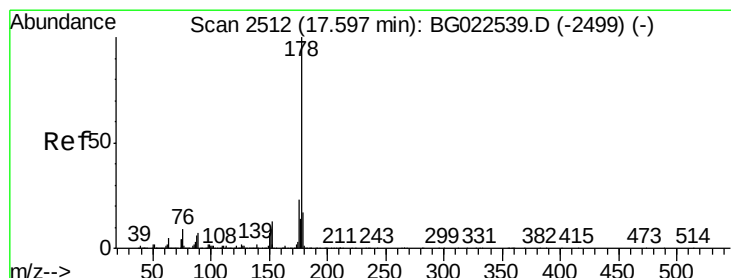
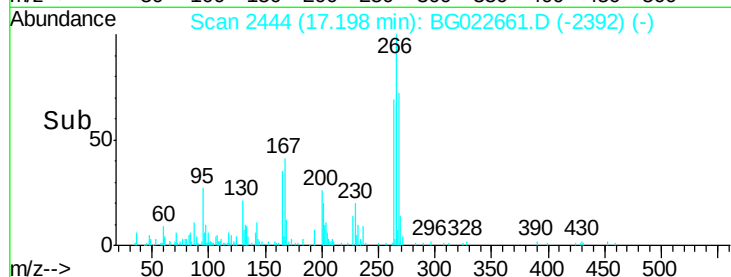
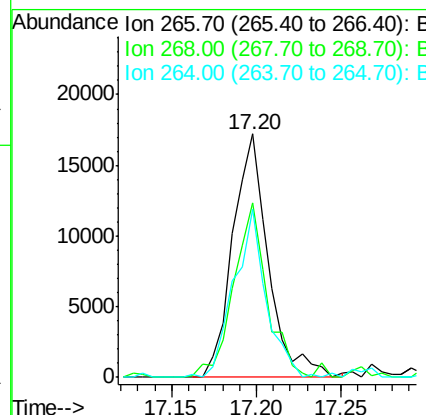
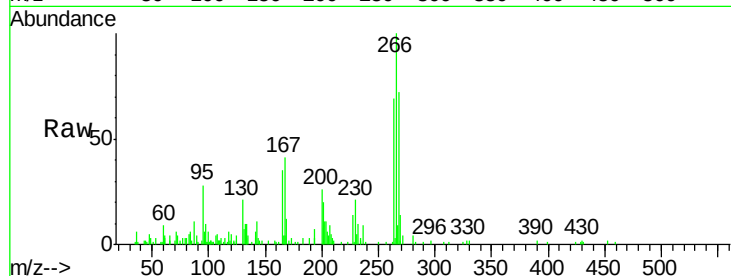




#69
 Pentachlorophenol
 Concen: 2.52 ng
 RT: 17.20 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

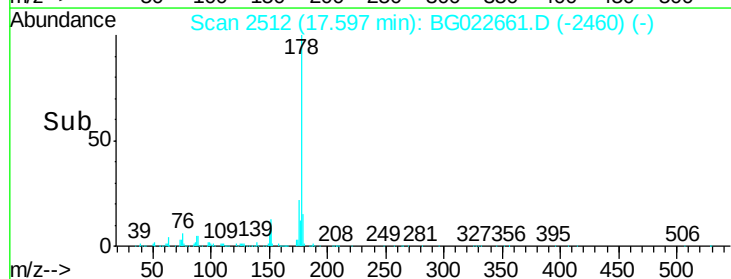
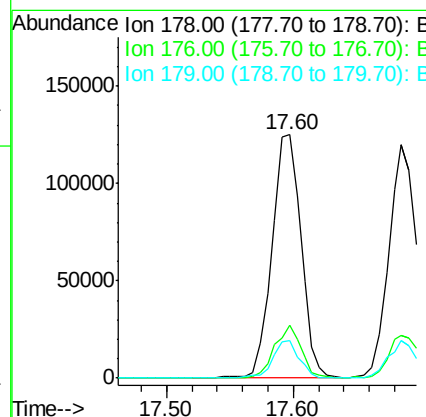
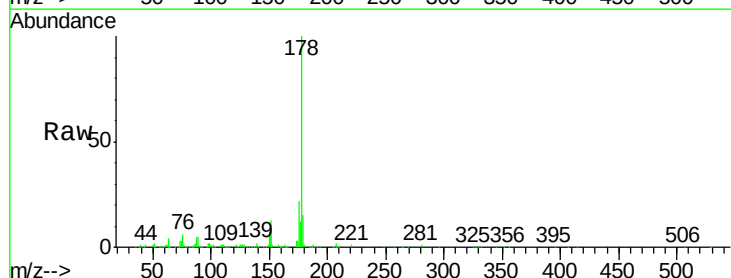
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

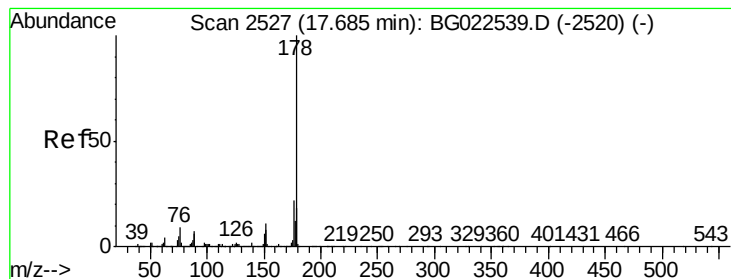
Tgt Ion	Ratio	Lower	Upper
266	100		
268	73.4	51.9	77.9
264	68.8	50.6	75.8



#70
 Phenanthrene
 Concen: 3.69 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: BG022661.D
 Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.6	16.8	25.2
179	15.4	14.3	21.5





#71

Anthracene

Concen: 3.30 ng

RT: 17.69 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

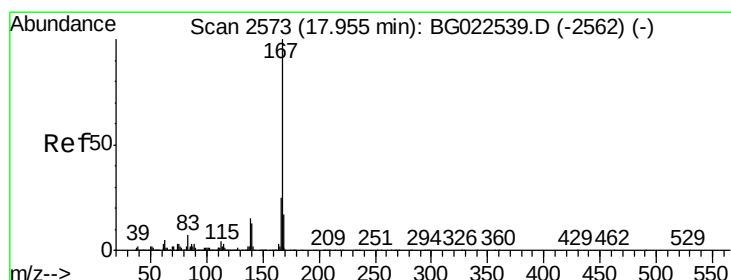
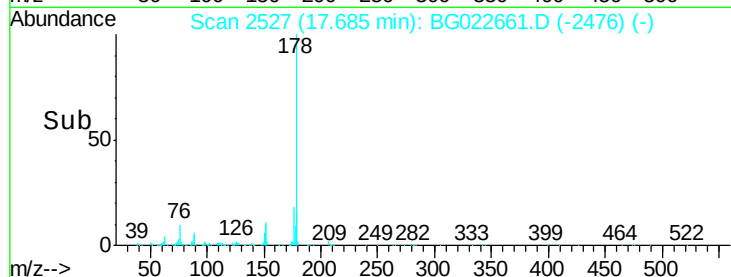
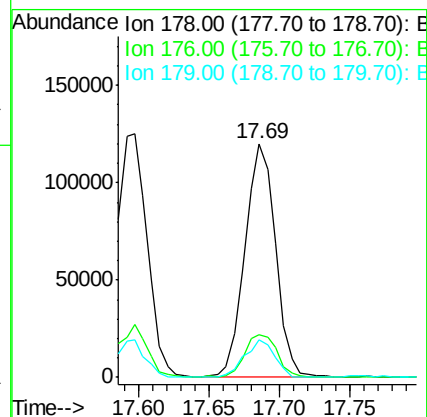
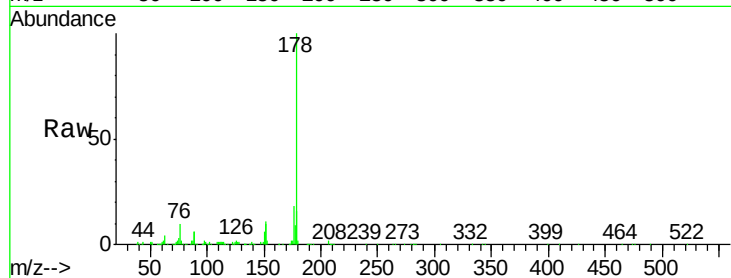
Tgt Ion:178 Resp: 183367

Ion Ratio Lower Upper

178 100

176 18.1 17.3 25.9

179 16.3 14.0 21.0



#72

Carbazole

Concen: 3.47 ng

RT: 17.96 min Scan# 2573

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

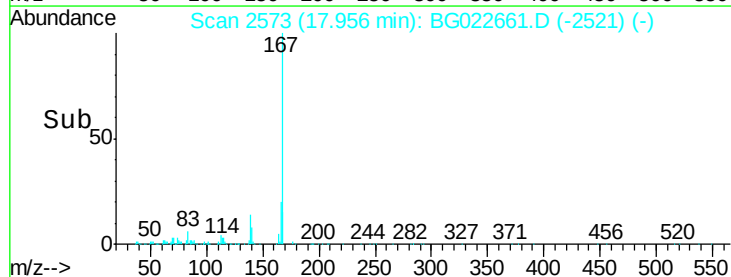
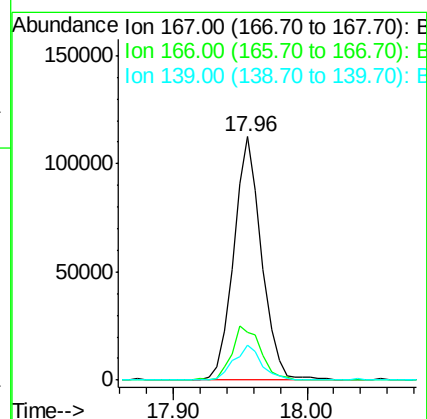
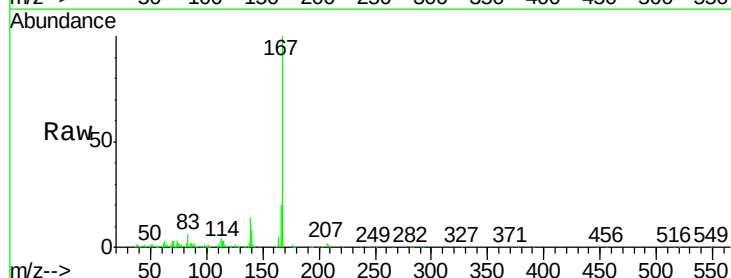
Tgt Ion:167 Resp: 163775

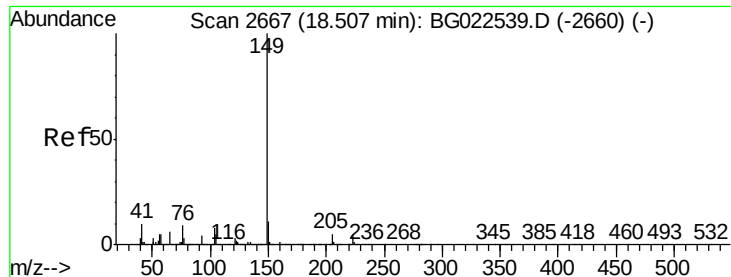
Ion Ratio Lower Upper

167 100

166 19.7 20.7 31.1#

139 14.4 11.9 17.9





#73

Di-n-butylphthalate

Concen: 3.39 ng

RT: 18.51 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

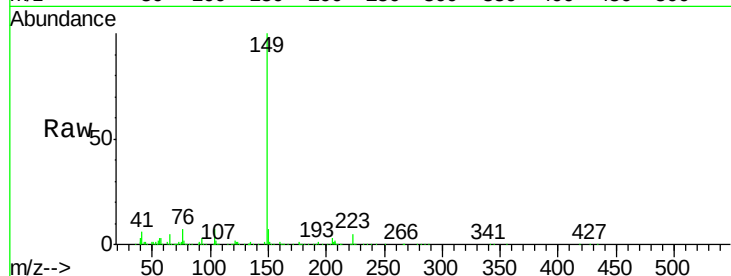
Tgt Ion:149 Resp: 185802

Ion Ratio Lower Upper

149 100

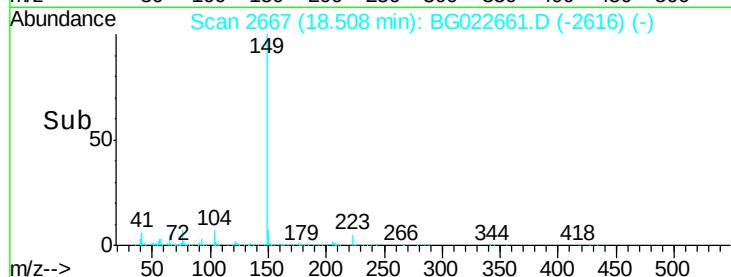
150 6.9 9.1 13.7#

104 7.2 6.9 10.3

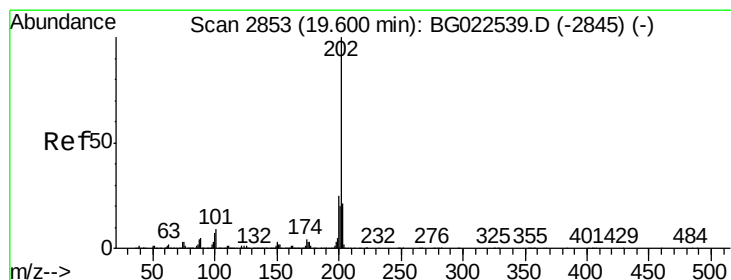


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

18.51



Time-->



#74

Fluoranthene

Concen: 3.75 ng

RT: 19.60 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

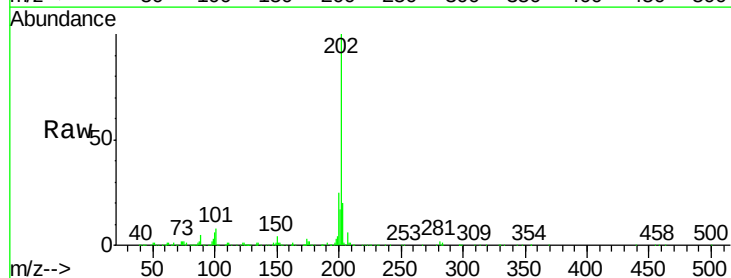
Tgt Ion:202 Resp: 233347

Ion Ratio Lower Upper

202 100

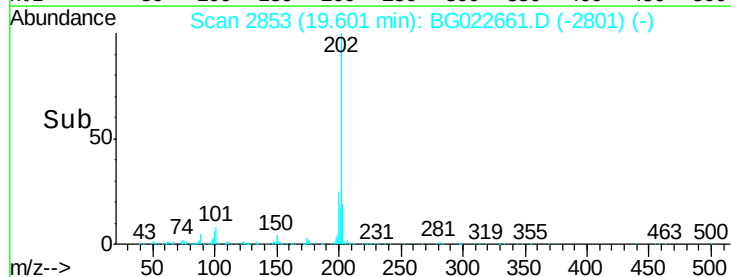
101 8.1 0.0 27.4

203 19.7 1.7 41.7

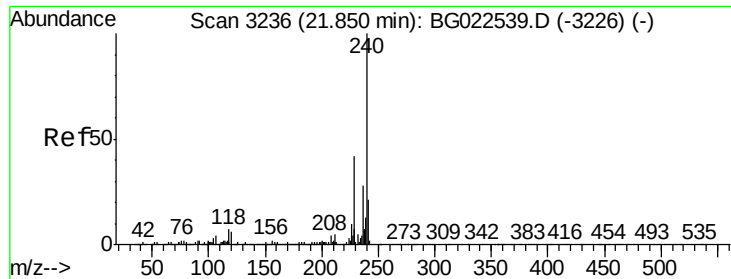


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

19.60



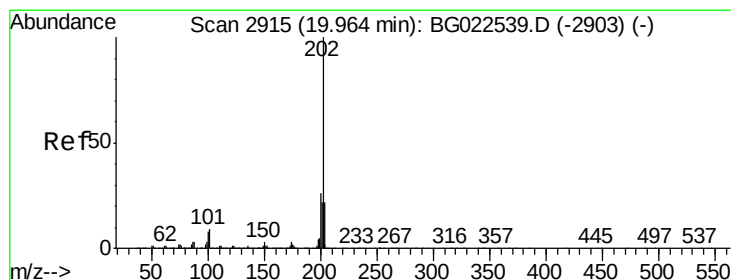
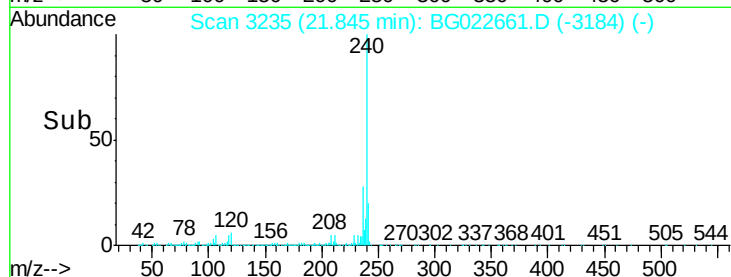
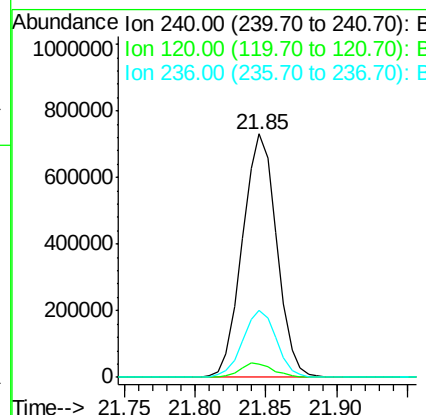
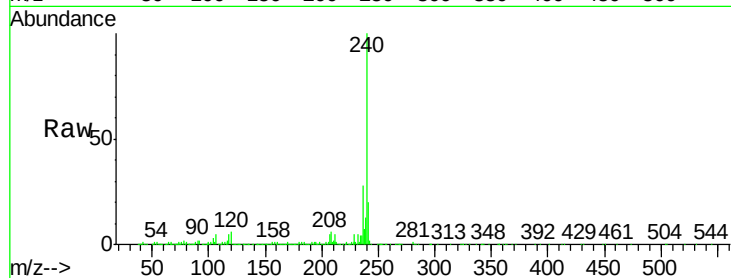
Time-->



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

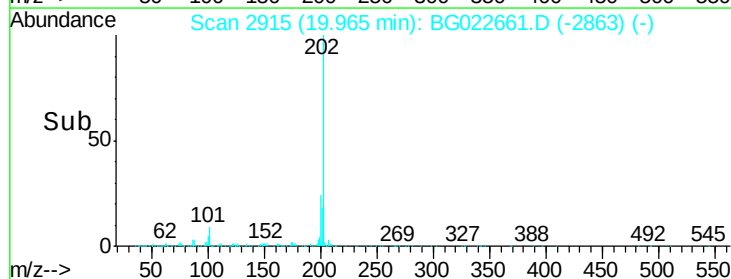
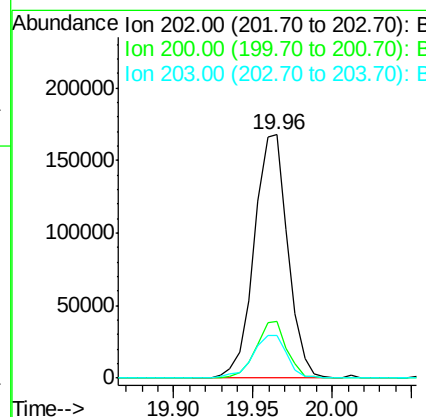
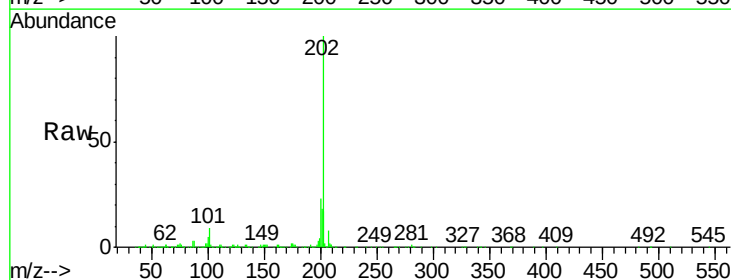
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

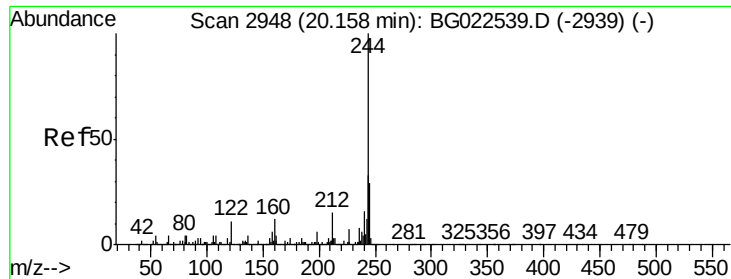
Tgt Ion:240 Resp: 1237661
Ion Ratio Lower Upper
240 100
120 5.6 4.1 6.1
236 27.5 21.1 31.7



#77
Pyrene
Concen: 3.76 ng
RT: 19.96 min Scan# 2915
Delta R.T. 0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:202 Resp: 247911
Ion Ratio Lower Upper
202 100
200 23.5 21.2 31.8
203 17.3 16.8 25.2





#78

Terphenyl-d14

Concen: 59.20 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

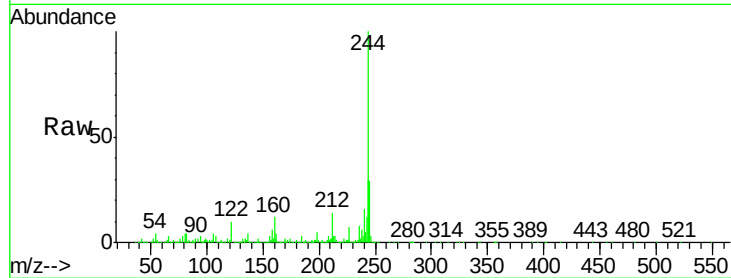
Tgt Ion:244 Resp: 2765519

Ion Ratio Lower Upper

244 100

212 13.8 10.8 16.2

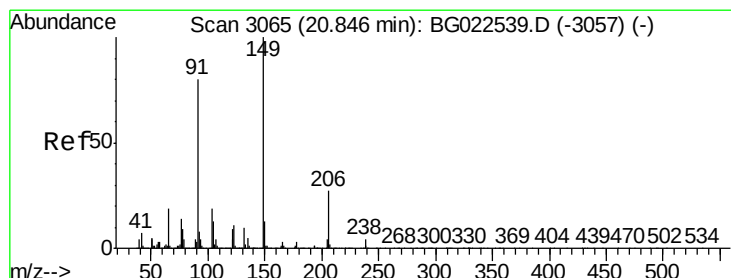
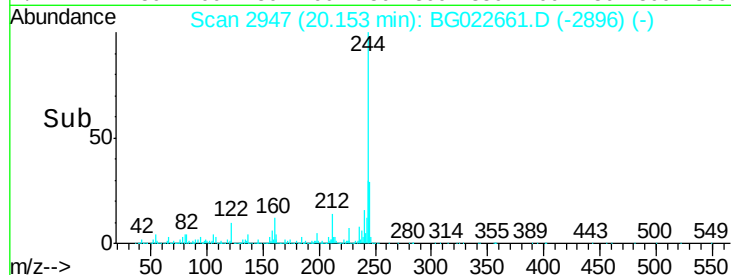
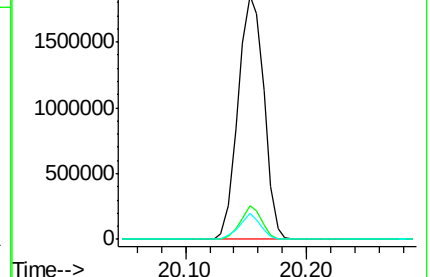
122 10.5 8.0 12.0



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: 2.86 ng

RT: 20.83 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

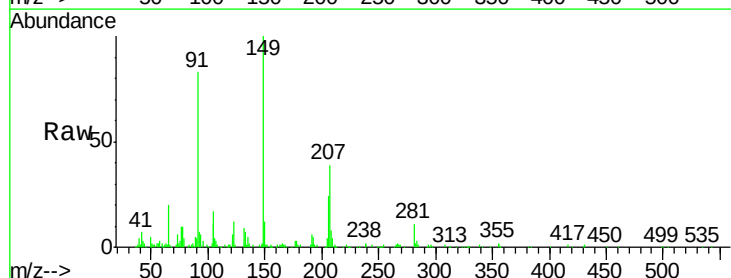
Tgt Ion:149 Resp: 81568

Ion Ratio Lower Upper

149 100

91 82.7 68.1 102.1

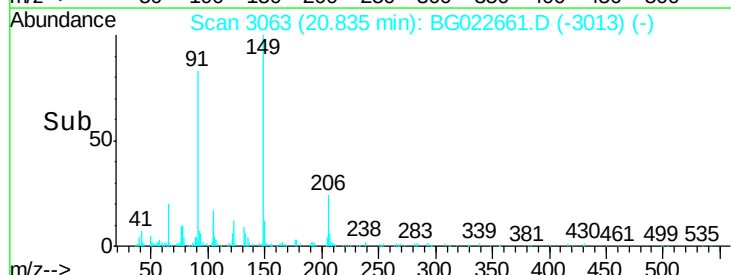
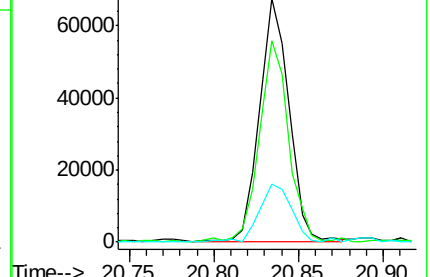
206 24.0 19.8 29.6

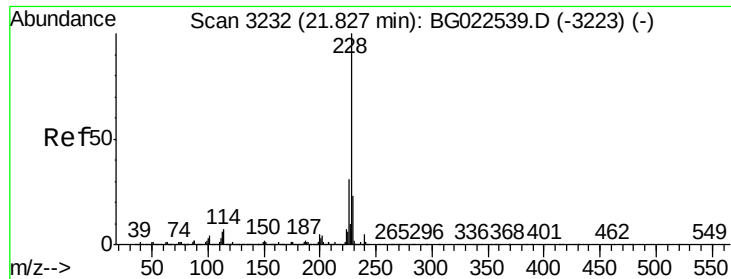


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 3.87 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

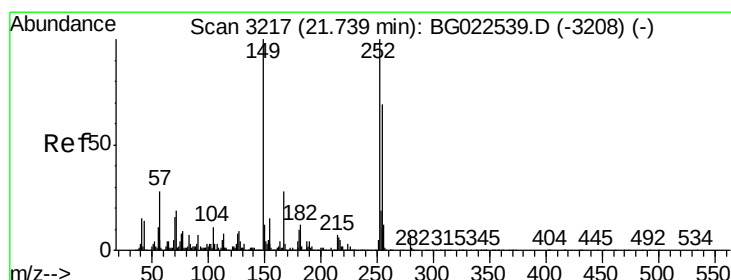
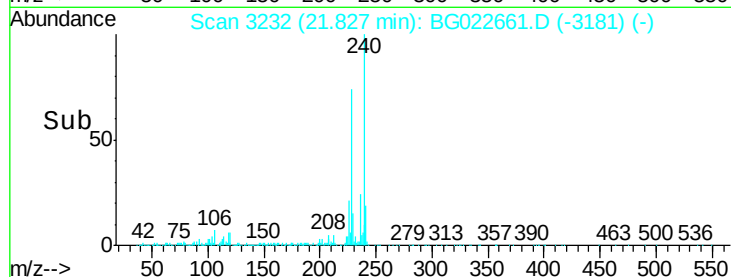
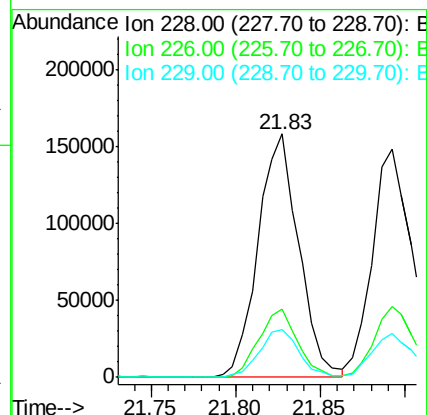
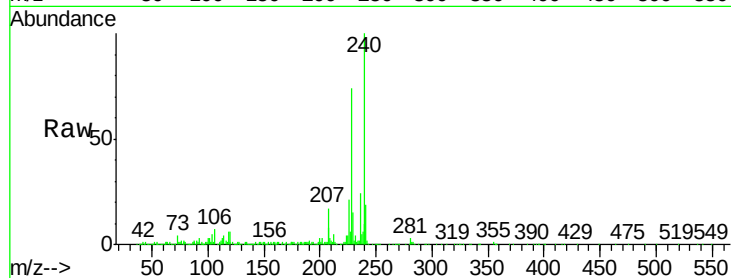
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	228	Resp:	265190
Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.3	37.9
229	19.9	19.9	29.9#



#81

3,3'-Dichlorobenzidine

Concen: 2.04 ng

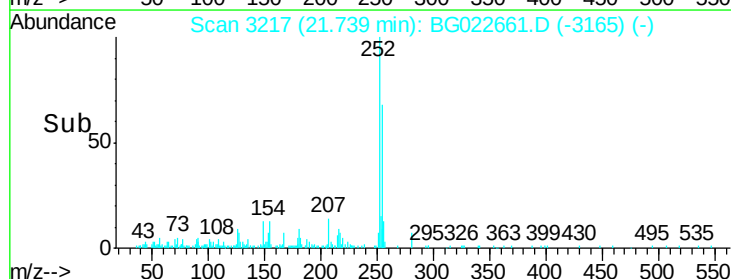
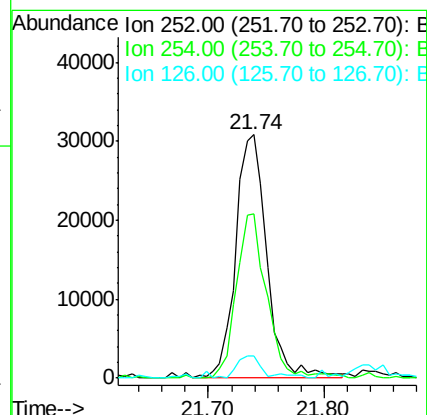
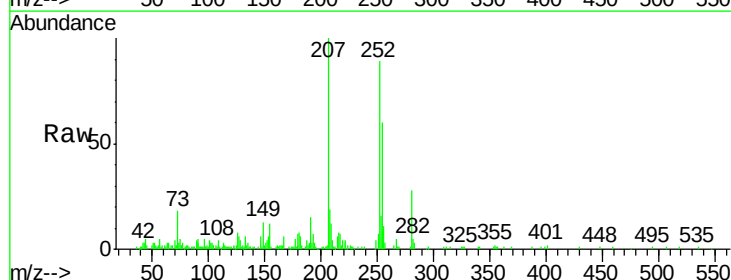
RT: 21.74 min Scan# 3217

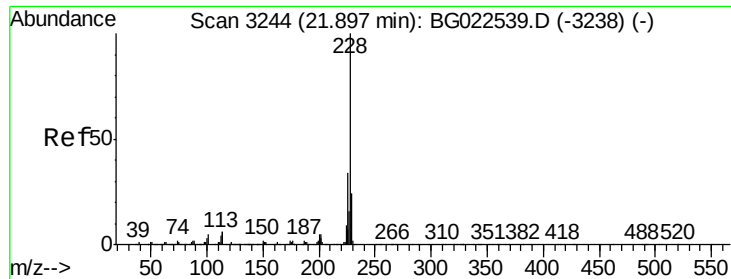
Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Tgt Ion:	252	Resp:	57641
Ion	Ratio	Lower	Upper
252	100		
254	67.7	51.2	76.8
126	9.2	5.3	7.9#





#82

Chrysene

Concen: 3.74 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

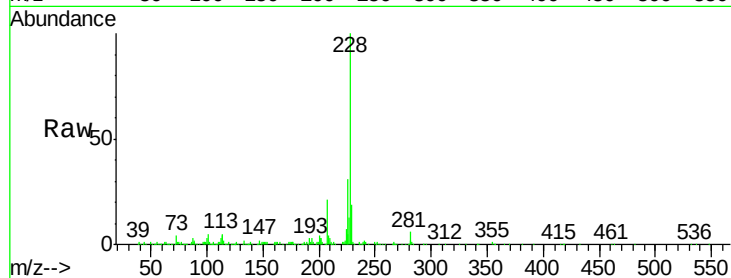
Tgt Ion:228 Resp: 240776

Ion Ratio Lower Upper

228 100

226 30.9 26.7 40.1

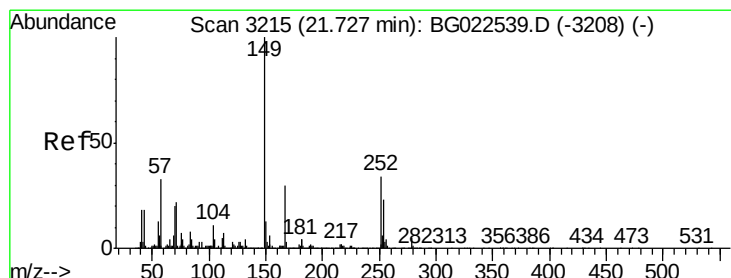
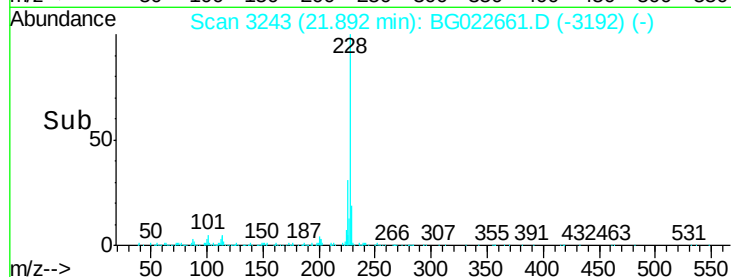
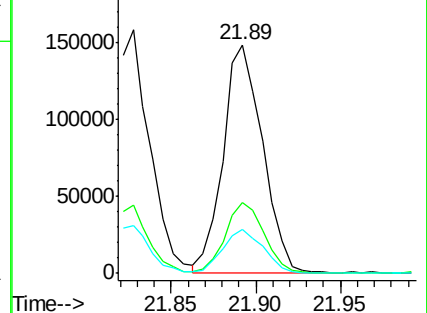
229 19.3 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.87 ng

RT: 21.72 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

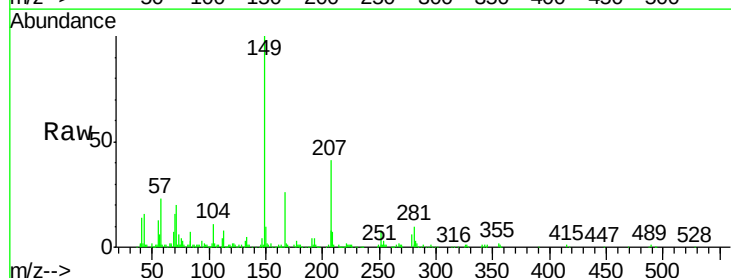
Tgt Ion:149 Resp: 115492

Ion Ratio Lower Upper

149 100

167 26.3 24.0 36.0

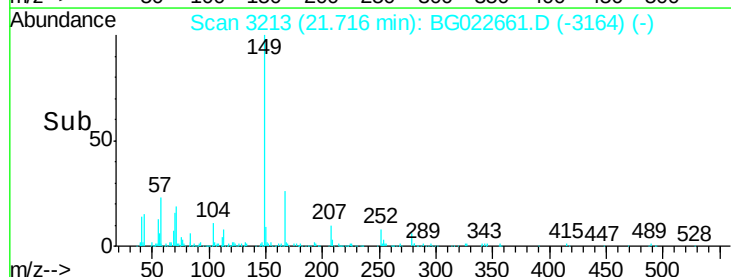
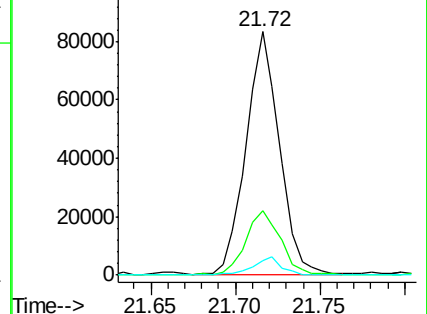
279 6.0 4.8 7.2

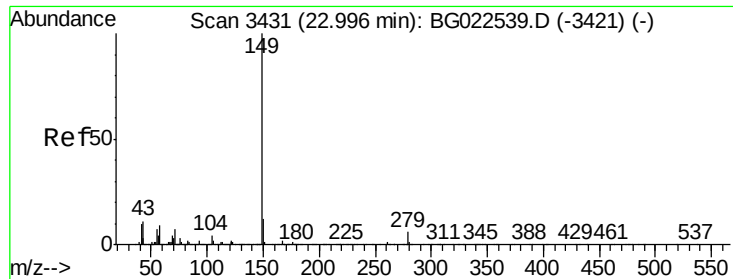


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

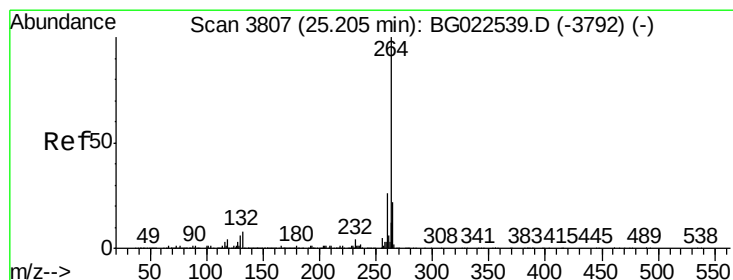
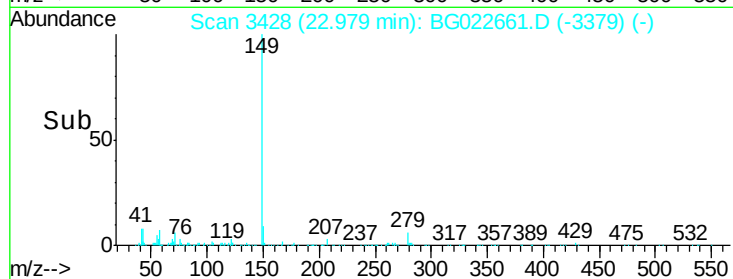
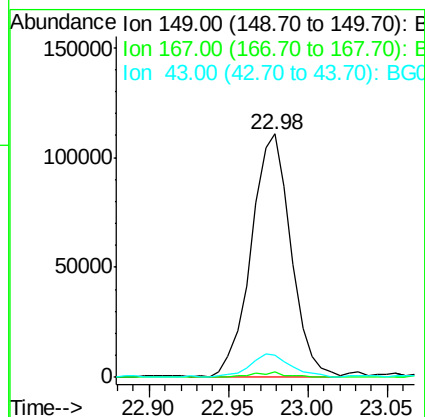
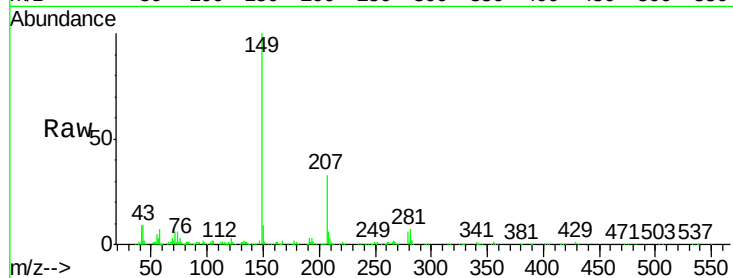




#84
Di-n-octyl phthalate
Concen: 2.88 ng
RT: 22.98 min Scan# 3428
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

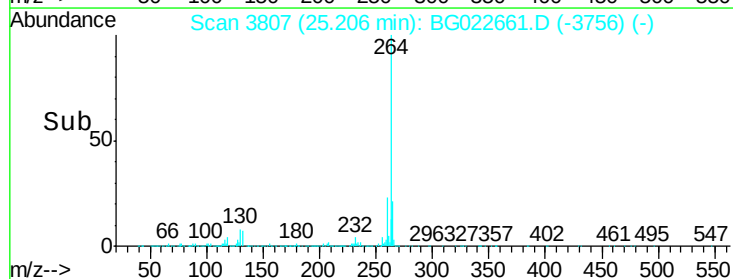
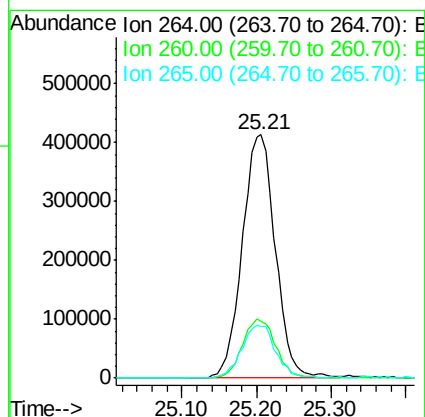
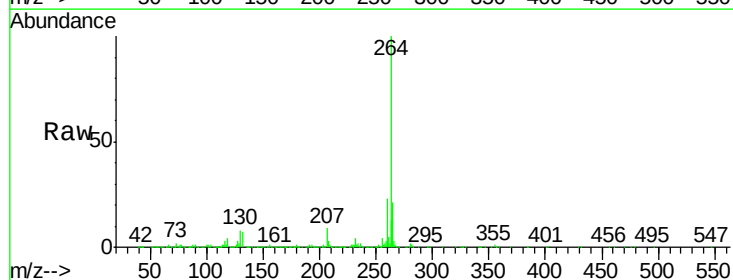
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

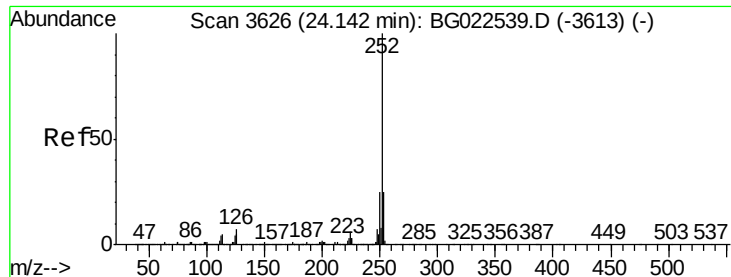
Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.5	2.3
43	9.9	8.8	13.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3807
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.2	18.9	28.3





#87

Benzo(b)fluoranthene

Concen: 3.02 ng

RT: 24.20 min Scan# 3636

Delta R.T. 0.07 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

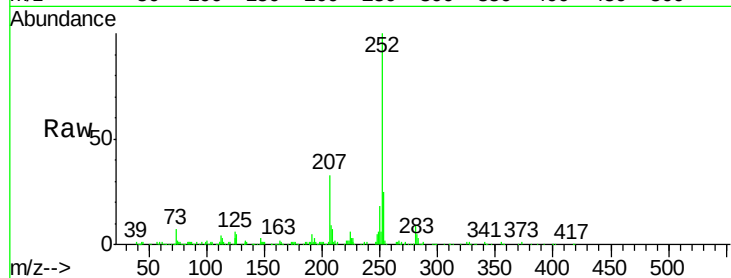
Tgt Ion:252 Resp: 230092

Ion Ratio Lower Upper

252 100

253 24.6 18.9 28.3

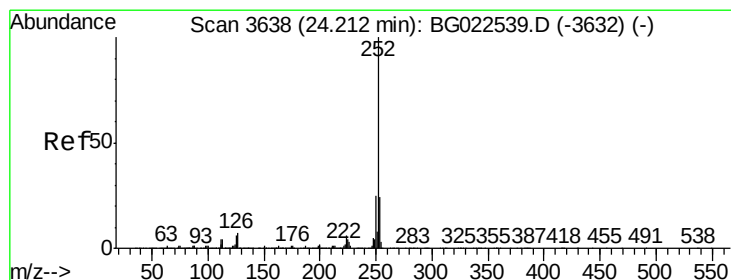
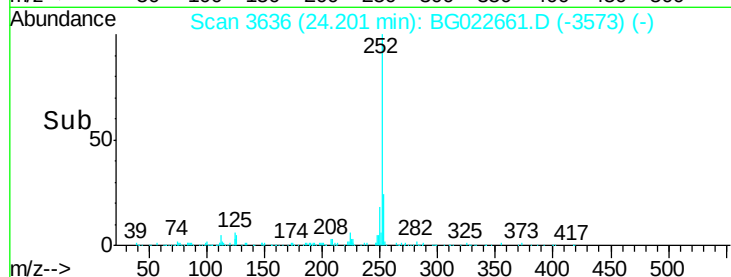
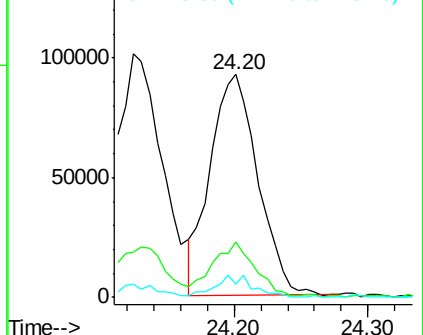
125 5.8 3.9 5.9



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



#88

Benzo(k)fluoranthene

Concen: 3.19 ng

RT: 24.20 min Scan# 3636

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

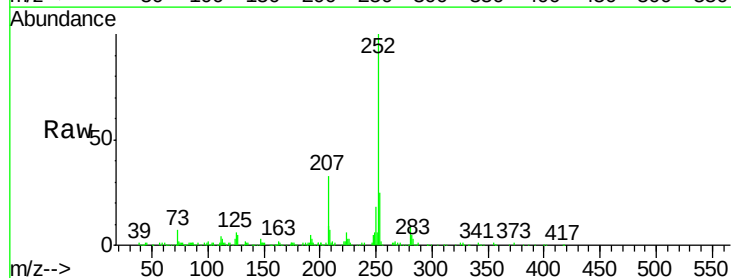
Tgt Ion:252 Resp: 230092

Ion Ratio Lower Upper

252 100

253 24.6 18.8 28.2

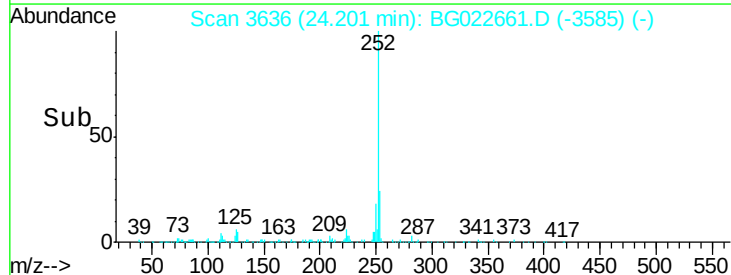
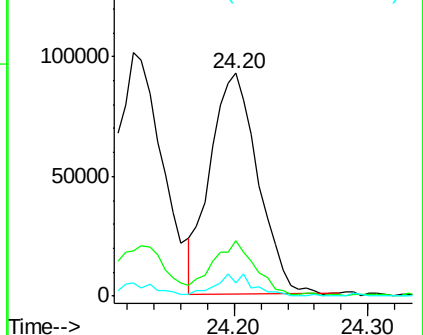
125 5.8 3.2 4.8#

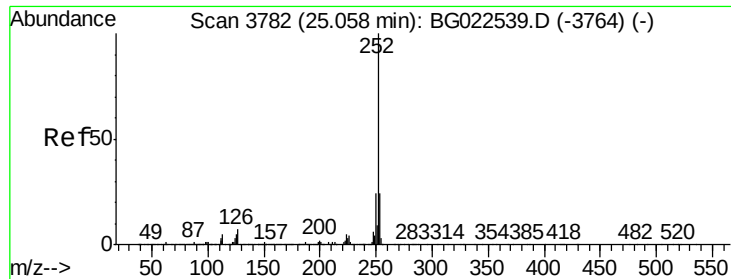


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.06 ng

RT: 25.05 min Scan# 3780

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

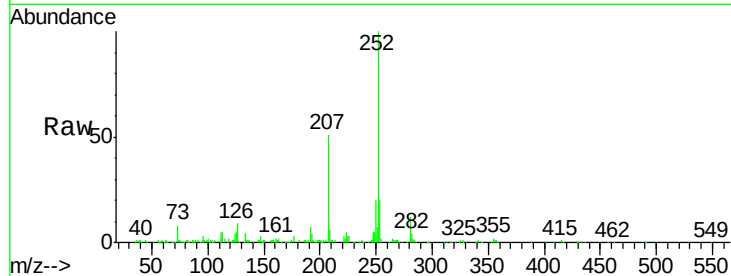
Tgt Ion:252 Resp: 227950

Ion Ratio Lower Upper

252 100

253 19.8 18.7 28.1

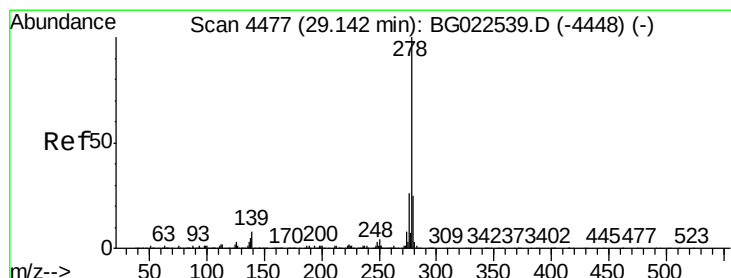
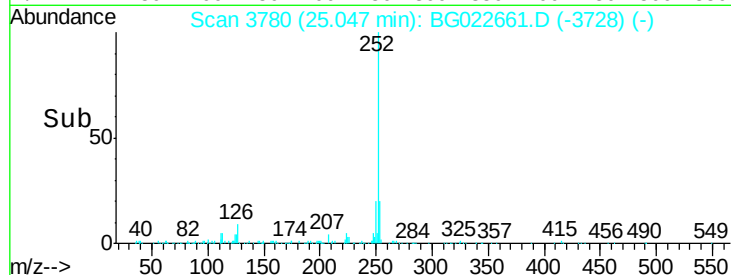
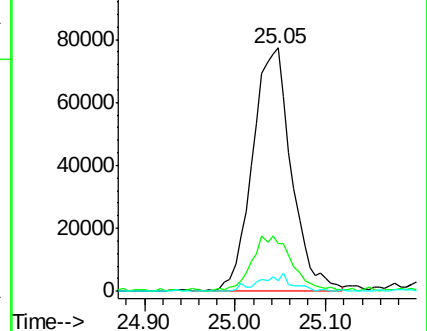
125 4.6 3.9 5.9



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: 2.66 ng

RT: 29.12 min Scan# 4473

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

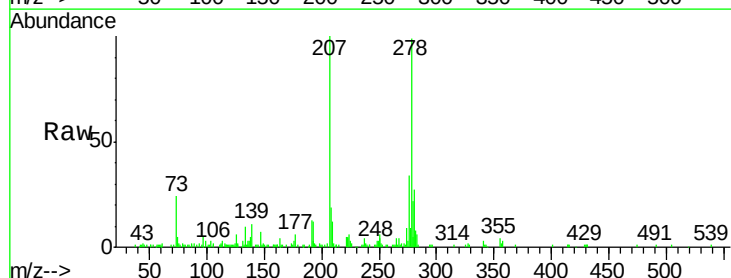
Tgt Ion:278 Resp: 186183

Ion Ratio Lower Upper

278 100

139 10.7 4.7 7.1#

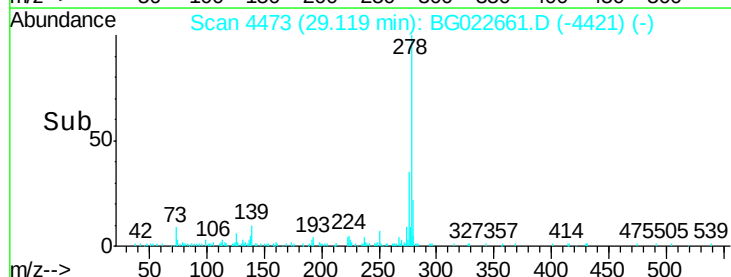
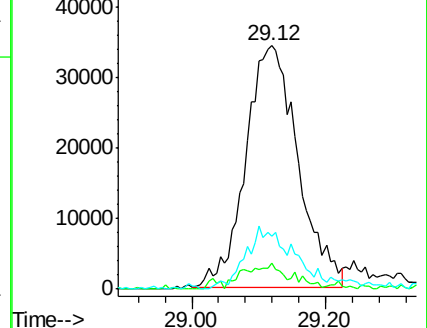
279 21.8 18.3 27.5

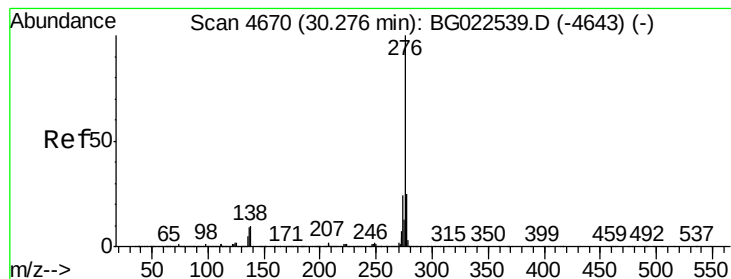


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.67 ng

RT: 30.25 min Scan# 4665

Delta R.T. -0.01 min

Lab File: BG022661.D

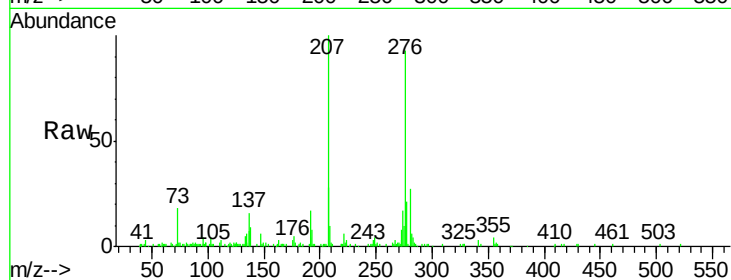
Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01



Tgt Ion: 276 Resp: 190615

Ion Ratio Lower Upper

276 100

277 22.5 18.6 27.8

138 9.5 6.8 10.2

