

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062716\
 Data File : BG022665.D
 Acq On : 28 Jun 2016 5:58
 Operator : UM/SJ
 Sample : H3606-04
 Misc : L0020-PPM
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Jun 28 07:46:24 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	138948	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	592944	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	428777	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1205325	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1368029	20.00	ng	0.00
86) Perylene-d12	25.21	264	1425664	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	974416	112.48	ng	0.00
7) Phenol-d6	7.31	99	1415809	115.95	ng	0.00
23) Nitrobenzene-d5	9.33	82	978377	69.84	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	808132	119.83	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1918525	70.96	ng	0.00
78) Terphenyl-d14	20.16	244	3117785	60.38	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.58	88	42345	12.06	ng	# 94
3) Pyridine	3.99	79	132168	13.46	ng	93
4) n-Nitrosodimethylamine	3.90	42	68269	12.15	ng	# 90
6) Aniline	7.48	93	110893	6.85	ng	# 89
8) 2-Chlorophenol	7.72	128	132126	14.72	ng	94
9) Benzaldehyde	7.29	77	146220	34.03	ng	95
10) Phenol	7.34	94	203001	15.73	ng	90
11) bis(2-Chloroethyl)ether	7.57	93	141435	13.31	ng	95
12) 1,3-Dichlorobenzene	8.05	146	149904	13.73	ng	99
13) 1,4-Dichlorobenzene	8.20	146	152338	13.92	ng	91
14) 1,2-Dichlorobenzene	8.51	146	143262	13.76	ng	91
15) Benzyl Alcohol	8.40	79	164600	14.57	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.70	45	156119	13.29	ng	99
17) 2-Methylphenol	8.60	107	123739	14.55	ng	91
18) Hexachloroethane	9.25	117	58676	12.95	ng	95
19) n-Nitroso-di-n-propylamine	8.96	70	135851	13.36	ng	97
20) 3+4-Methylphenols	8.92	107	180711	15.42	ng	91
22) Acetophenone	8.98	105	231652	13.51	ng	# 93
24) Nitrobenzene	9.37	77	204417	13.20	ng	96
25) Isophorone	9.89	82	347709	12.79	ng	99
26) 2-Nitrophenol	10.09	139	74718	13.40	ng	92
27) 2,4-Dimethylphenol	10.14	122	138387	12.99	ng	91
28) bis(2-Chloroethoxy)methane	10.38	93	191268	12.88	ng	96
29) 2,4-Dichlorophenol	10.62	162	149285	14.38	ng	98
30) 1,2,4-Trichlorobenzene	10.84	180	162424	13.18	ng	99
31) Naphthalene	11.03	128	408314	13.70	ng	99
32) Benzoic acid	10.22	122	93824	17.15	ng	96
33) 4-Chloroaniline	11.14	127	51623	4.02	ng	# 92
34) Hexachlorobutadiene	11.32	225	124342	12.98	ng	95
35) Caprolactam	11.90	113	53819	16.46	ng	90
36) 4-Chloro-3-methylphenol	12.24	107	195804	15.36	ng	97
37) 2-Methylnaphthalene	12.63	142	319552	13.83	ng	94
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	219491	13.56	ng	98
40) Hexachlorocyclopentadiene	12.97	237	147903	11.45	ng	96

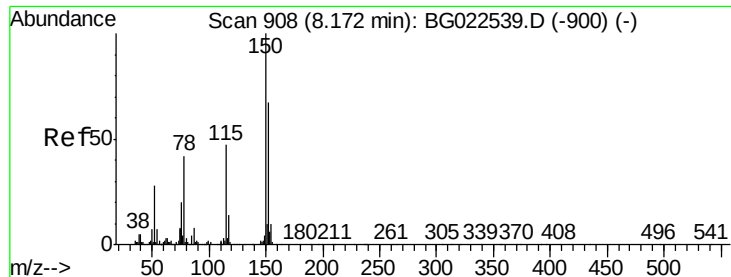
Data Path : Z:\HPCHEM1\BNA G\DATA\BG062716\
 Data File : BG022665.D
 Acq On : 28 Jun 2016 5:58
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.23	196	151555	14.60	nq	90
43) 2,4,5-Trichlorophenol	13.30	196	163096	15.02	nq	87
45) 1,1'-Biphenyl	13.63	154	445314	13.63	nq	97
46) 2-Chloronaphthalene	13.68	162	369368	13.74	nq	95
47) 2-Nitroaniline	13.88	65	142251	13.71	nq	97
48) Acenaphthylene	14.52	152	547541	14.05	nq	100
49) Dimethylphthalate	14.24	163	506914	14.25	nq	99
50) 2,6-Dinitrotoluene	14.37	165	114225	14.78	nq	# 82
51) Acenaphthene	14.86	154	390572	13.60	nq	99
52) 3-Nitroaniline	14.69	138	74654	10.32	nq	97
53) 2,4-Dinitrophenol	14.90	184	64035	13.45	nq	# 83
54) Dibenzofuran	15.19	168	608171	14.62	nq	95
55) 4-Nitrophenol	14.99	139	91940	15.03	nq	96
56) 2,4-Dinitrotoluene	15.15	165	162012	15.13	nq	# 94
57) Fluorene	15.85	166	487727	14.69	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.42	232	167101	14.84	nq	# 98
59) Diethylphthalate	15.61	149	511035	13.98	nq	98
60) 4-Chlorophenyl-phenylether	15.83	204	278487	14.09	nq	96
61) 4-Nitroaniline	15.86	138	115289	15.45	nq	# 82
62) Azobenzene	16.13	77	539059	13.61	nq	93
64) 4,6-Dinitro-2-methylphenol	15.92	198	102861	12.72	nq	94
65) n-Nitrosodiphenylamine	16.05	169	472825	13.48	nq	98
66) 4-Bromophenyl-phenylether	16.73	248	200009	12.79	nq	94
67) Hexachlorobenzene	16.86	284	204223	12.35	nq	96
68) Atrazine	17.00	200	213869	14.44	nq	97
69) Pentachlorophenol	17.20	266	133922	11.77	nq	93
70) Phenanthrene	17.60	178	870624	14.16	nq	98
71) Anthracene	17.69	178	873320	13.80	nq	98
72) Carbazole	17.96	167	776033	14.47	nq	97
73) Di-n-butylphthalate	18.51	149	913499	14.63	nq	# 95
74) Fluoranthene	19.60	202	1098512	15.51	nq	95
76) Benzidine	19.78	184	204661	14.05	nq	96
77) Pyrene	19.96	202	1117466	15.34	nq	93
79) Butylbenzylphthalate	20.84	149	421122	13.35	nq	94
80) Benzo(a)anthracene	21.83	228	1154386	15.25	nq	92
81) 3,3'-Dichlorobenzidine	21.74	252	242998	7.77	nq	95
82) Chrysene	21.90	228	1092971	15.37	nq	98
83) Bis(2-ethylhexyl)phthalate	21.72	149	572301	12.89	nq	98
84) Di-n-octyl phthalate	22.98	149	996137	13.61	nq	97
85) Indeno(1,2,3-cd)pyrene	29.04	276	1208100	12.92	nq	# 100
87) Benzo(b)fluoranthene	24.14	252	1206943	14.08	nq	97
88) Benzo(k)fluoranthene	24.21	252	1115835	13.77	nq	99
89) Benzo(a)pyrene	25.05	252	1138662	13.62	nq	95
90) Dibenzo(a,h)anthracene	29.12	278	969146	12.32	nq	# 95
91) Benzo(g,h,i)perylene	30.26	276	962054	12.01	nq	96

(#) = 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: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

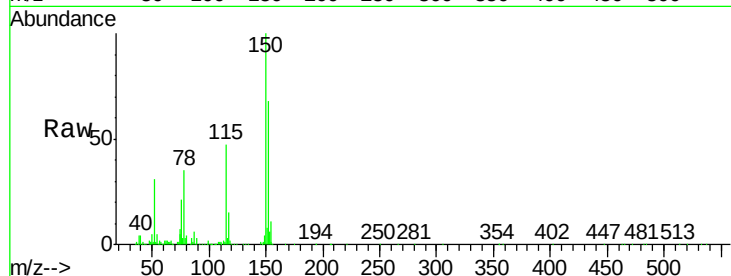
Tot Ion:152 Resp: 138948

Ion Ratio Lower Upper

152 100

150 146.2 144.7 217.1

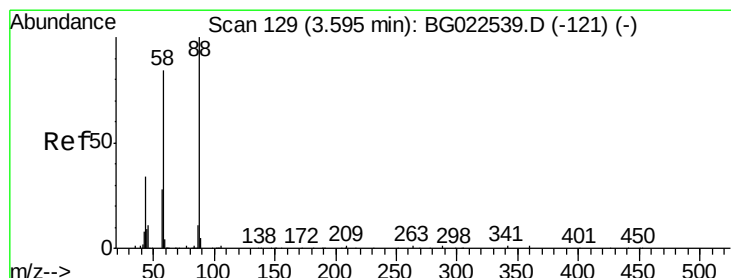
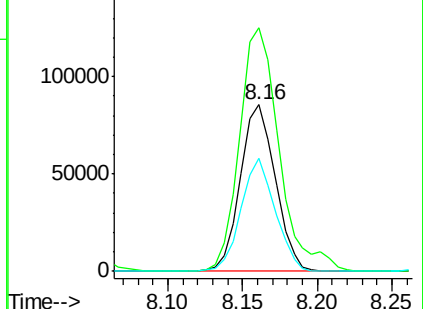
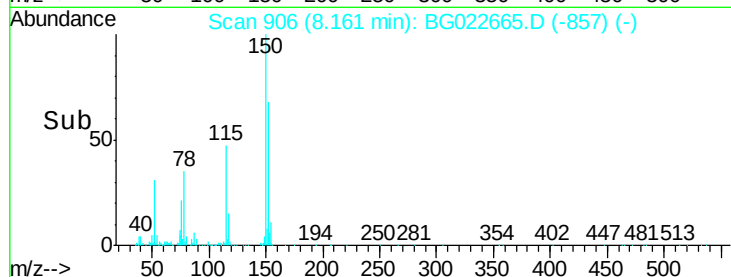
115 68.2 64.0 96.0



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: 12.06 ng

RT: 3.58 min Scan# 126

Delta R.T. -0.02 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

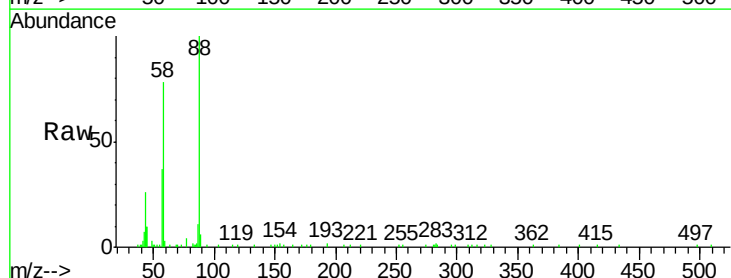
Tgt Ion: 88 Resp: 42345

Ion Ratio Lower Upper

88 100

58 74.2 60.4 90.6

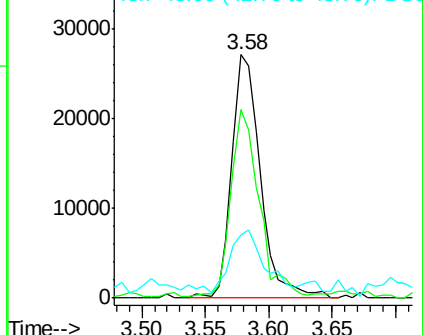
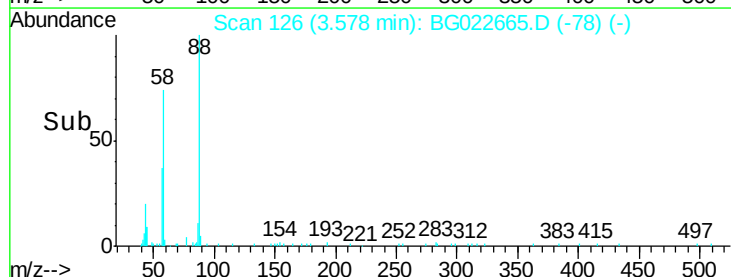
43 29.6 31.1 46.7#

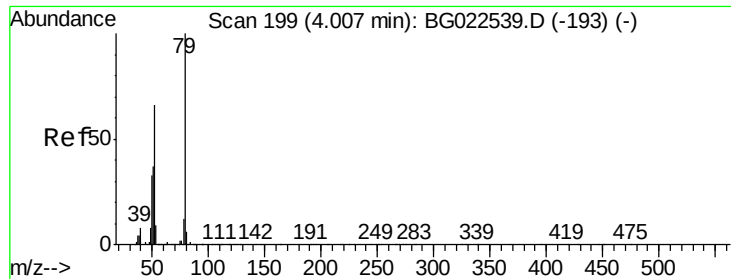


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 13.46 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.02 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

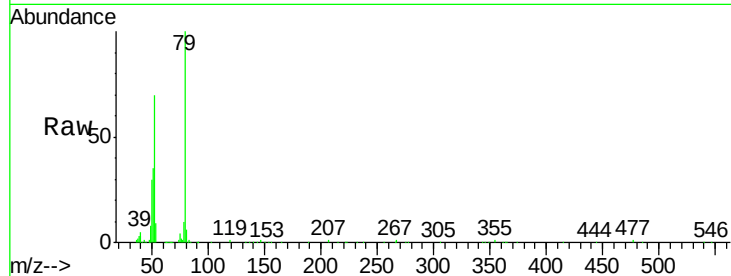
Tot Ion: 79 Resp: 132168

Ion Ratio Lower Upper

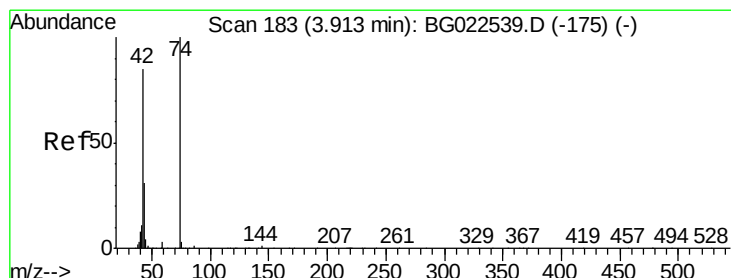
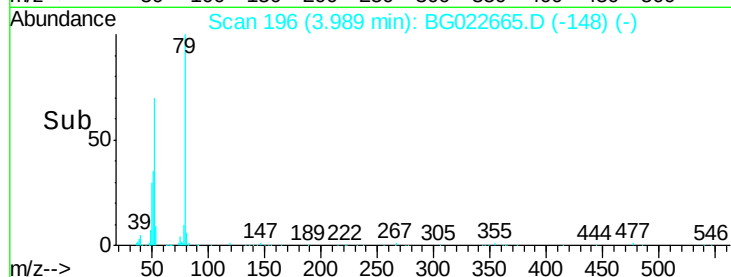
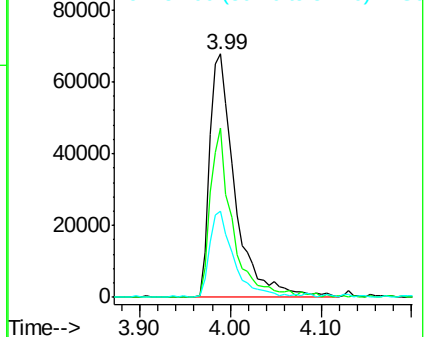
79 100

52 69.7 51.8 77.8

51 35.3 32.7 49.1



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



#4

n-Nitrosodimethylamine

Concen: 12.15 ng

RT: 3.90 min Scan# 180

Delta R.T. -0.02 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

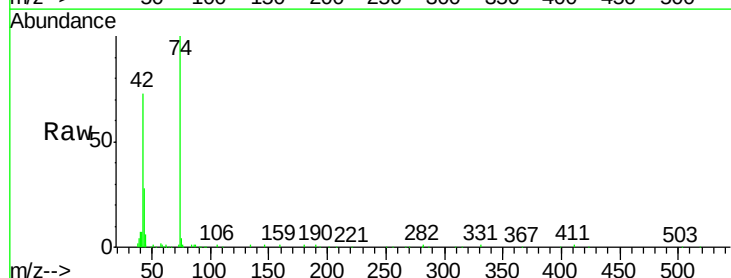
Tgt Ion: 42 Resp: 68269

Ion Ratio Lower Upper

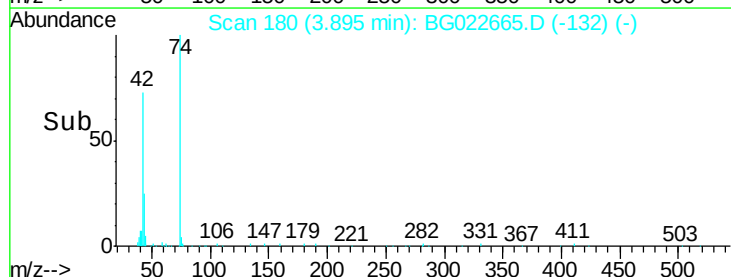
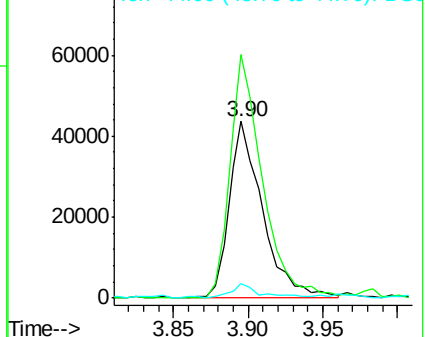
42 100

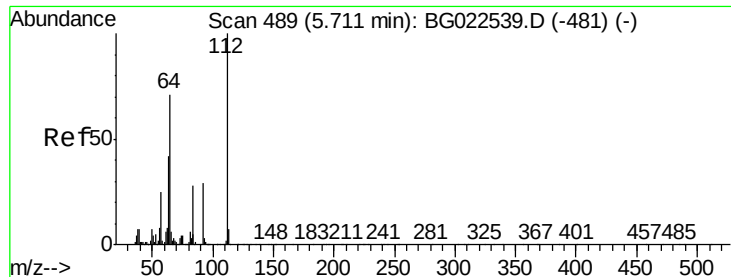
74 137.7 100.6 150.8

44 7.8 4.5 6.7#



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





#5

2-Fluorophenol

Concen: 112.48 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

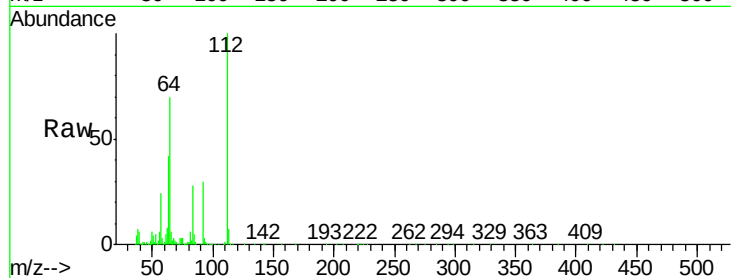
Tot Ion: 112 Resp: 974416

Ion Ratio Lower Upper

112 100

64 69.9 59.0 88.4

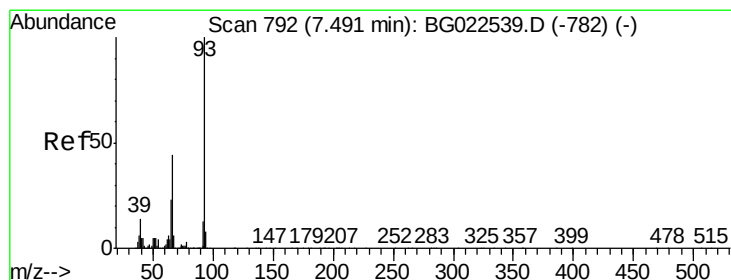
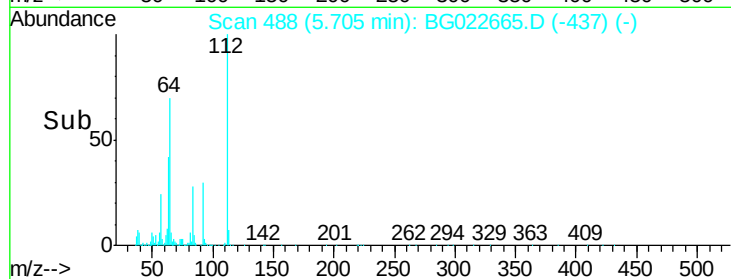
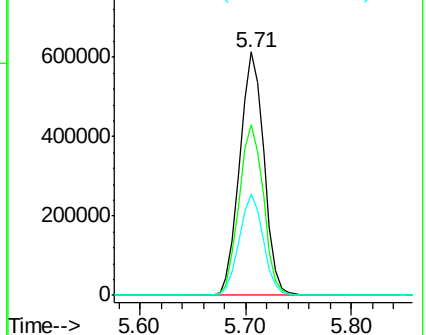
63 41.8 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 6.85 ng

RT: 7.48 min Scan# 790

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

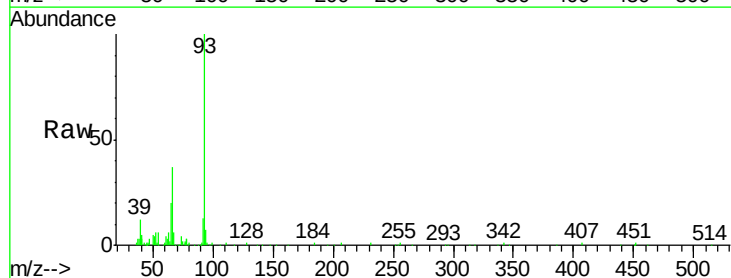
Tgt Ion: 93 Resp: 110893

Ion Ratio Lower Upper

93 100

66 37.2 37.5 56.3#

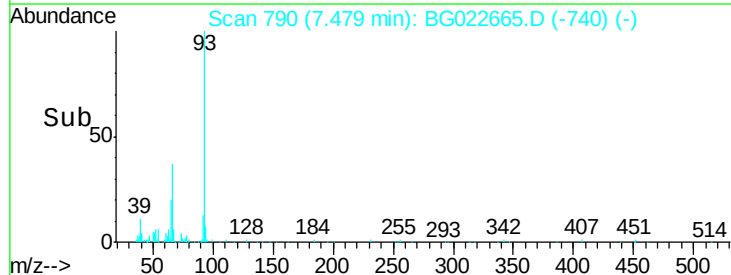
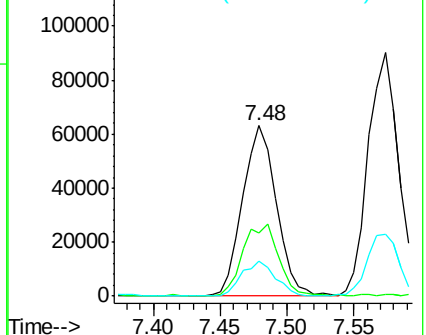
65 20.3 17.9 26.9

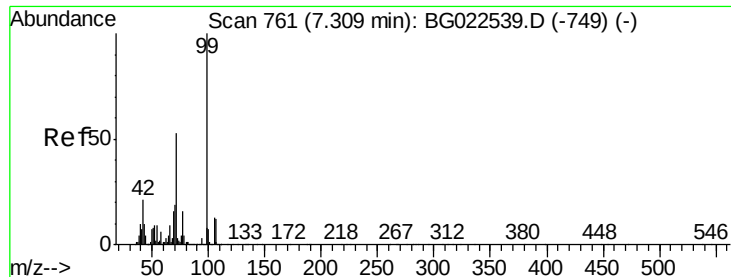


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 115.95 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

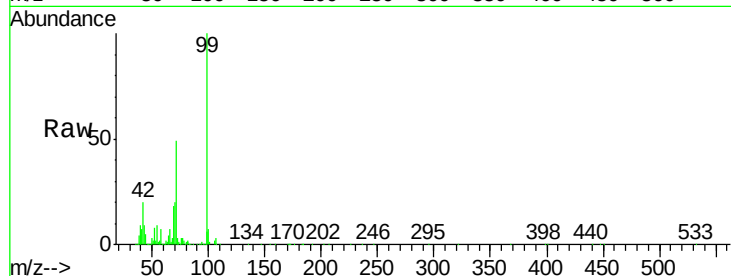
BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion: 99 Resp: 1415809

Ion	Ratio	Lower	Upper
99	100		
42	19.7	17.8	26.6
71	49.5	41.5	62.3



Abundance

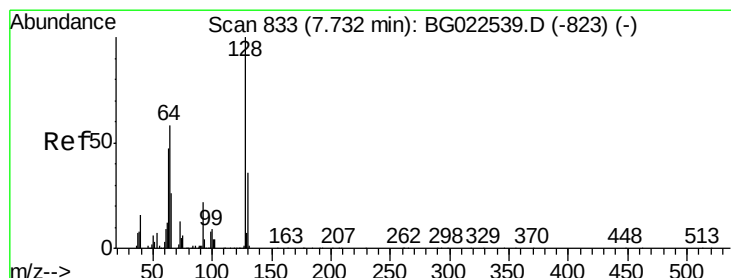
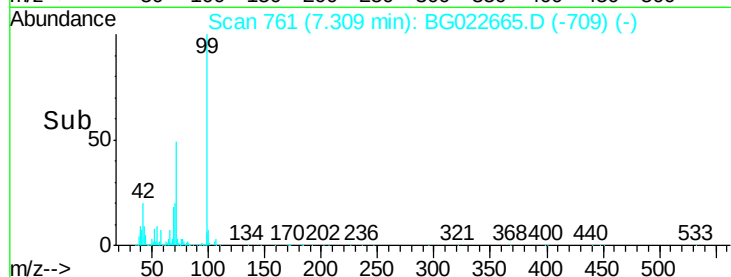
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

7.31

Time-->



#8

2-Chlorophenol

Concen: 14.72 ng

RT: 7.72 min Scan# 831

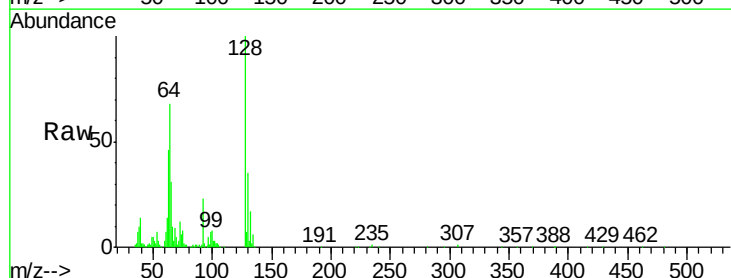
Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Tgt Ion:128 Resp: 132126

Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.9	52.9
64	67.9	42.0	82.0



Abundance

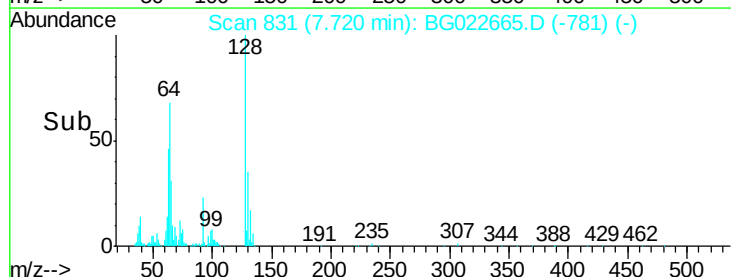
Ion 128.00 (127.70 to 128.70): BGC

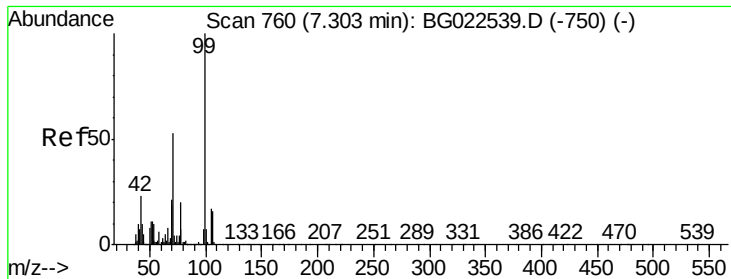
Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

7.72

Time-->





#9

Benzaldehyde

Concen: 34.03 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

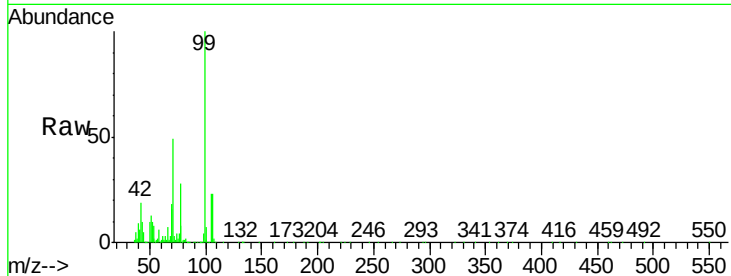
Tot Ion: 77 Resp: 146220

Ion Ratio Lower Upper

77 100

105 81.0 58.7 98.7

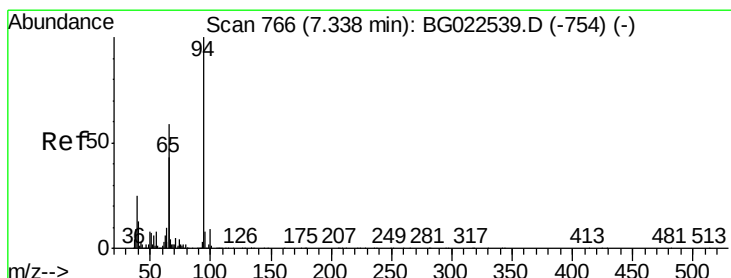
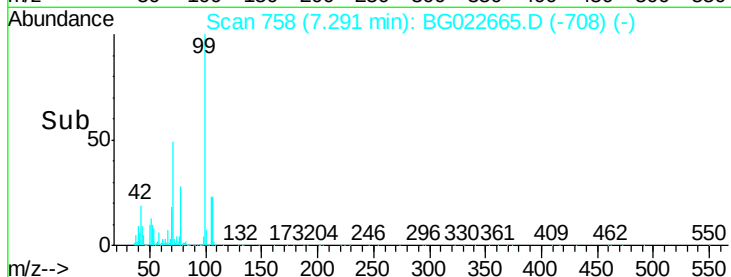
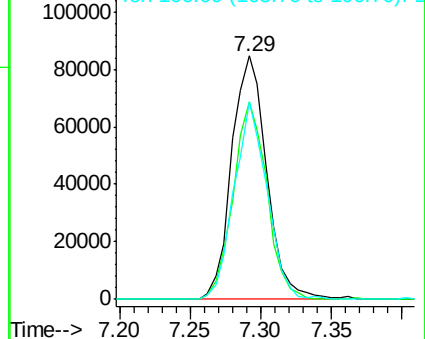
106 81.3 67.5 107.5



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: 15.73 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

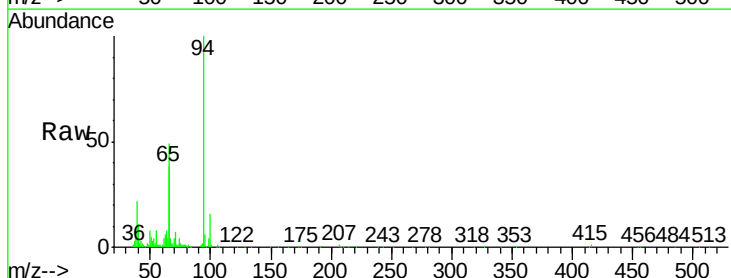
Tgt Ion: 94 Resp: 203001

Ion Ratio Lower Upper

94 100

65 38.4 18.1 58.1

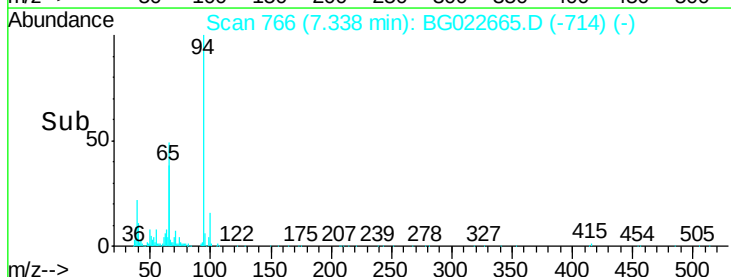
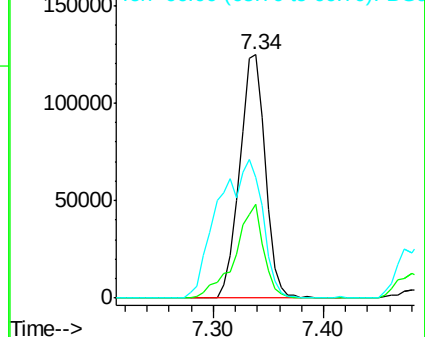
66 49.5 42.1 82.1

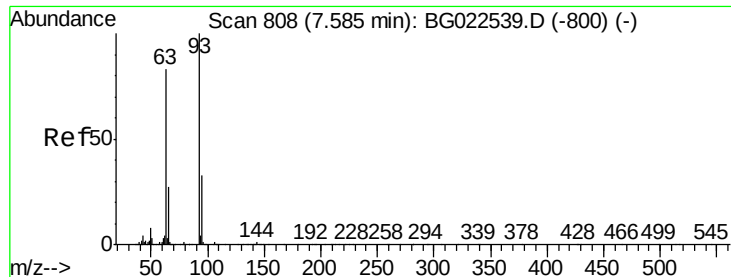


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

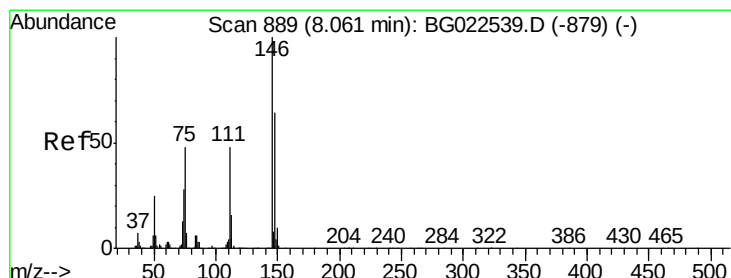
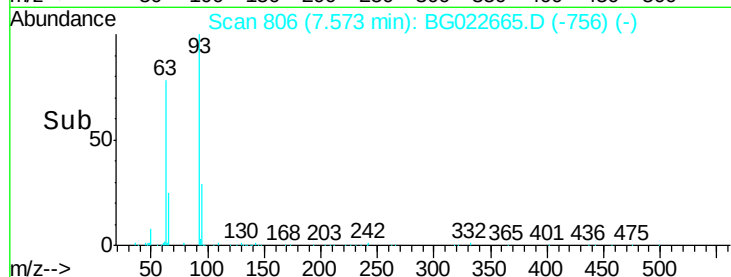
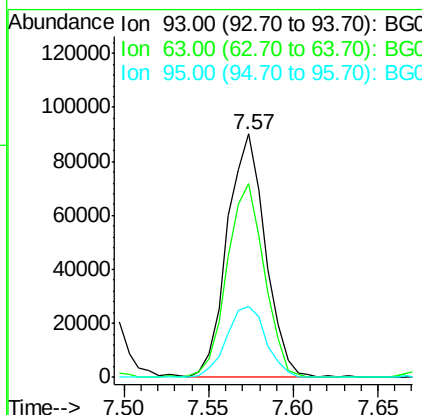
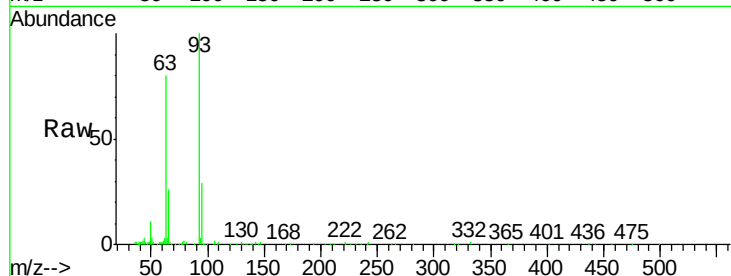




#11
bis(2-Chloroethyl)ether
Concen: 13.31 ng
RT: 7.57 min Scan# 806
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

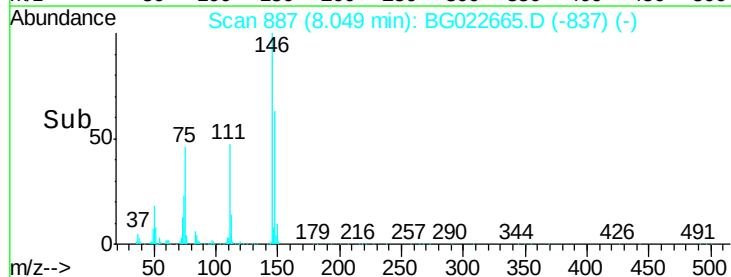
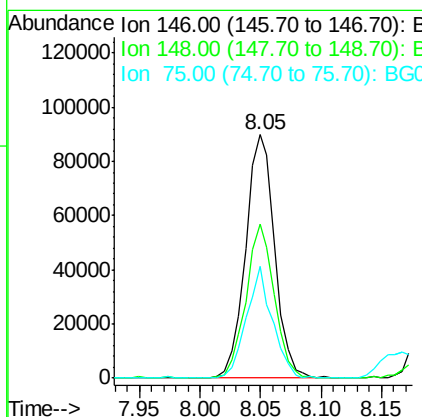
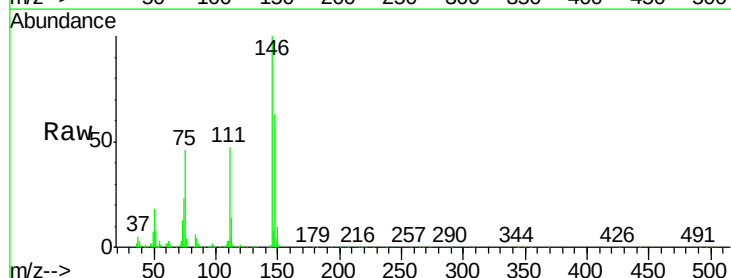
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

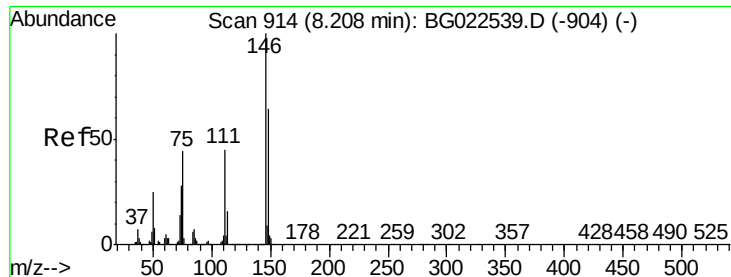
Tot Ion:	93	Resp:	141435
Ion	Ratio	Lower	Upper
93	100		
63	79.6	55.0	95.0
95	29.3	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 13.73 ng
RT: 8.05 min Scan# 887
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:	146	Resp:	149904
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.3	75.5
75	45.7	37.0	55.6





#13

1,4-Dichlorobenzene

Concen: 13.92 ng

RT: 8.20 min Scan# 912

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

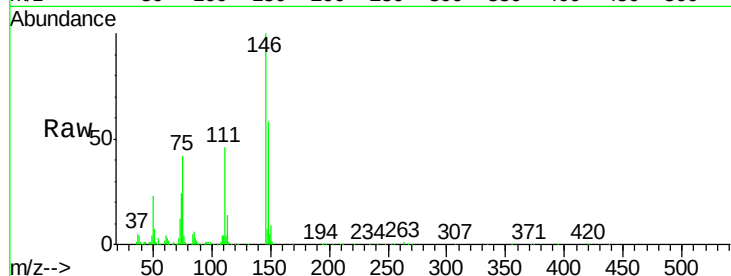
Tot Ion:146 Resp: 152338

Ion Ratio Lower Upper

146 100

148 57.6 54.5 81.7

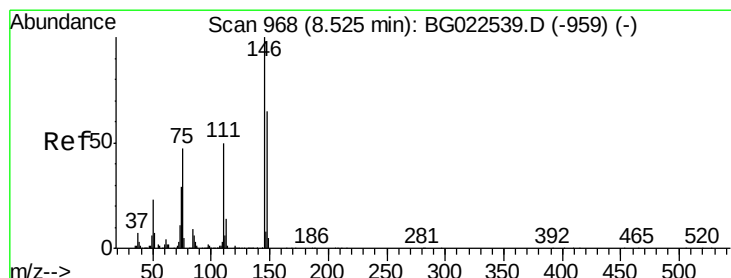
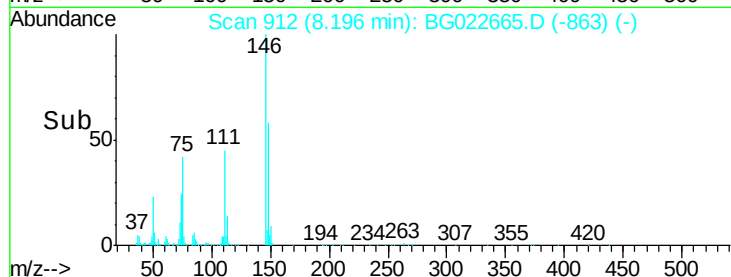
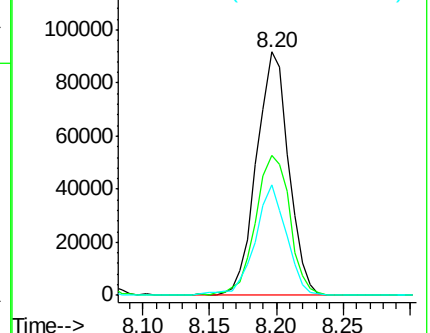
111 45.6 37.8 56.8



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: 13.76 ng

RT: 8.51 min Scan# 966

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

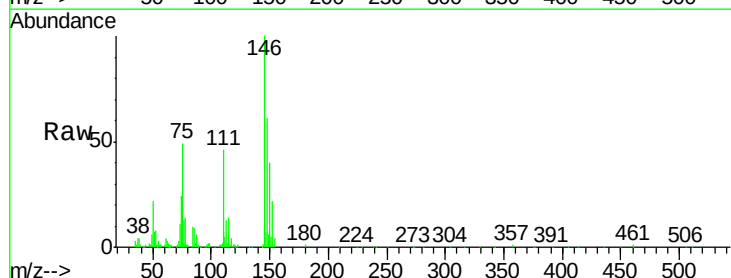
Tgt Ion:146 Resp: 143262

Ion Ratio Lower Upper

146 100

148 60.8 52.9 79.3

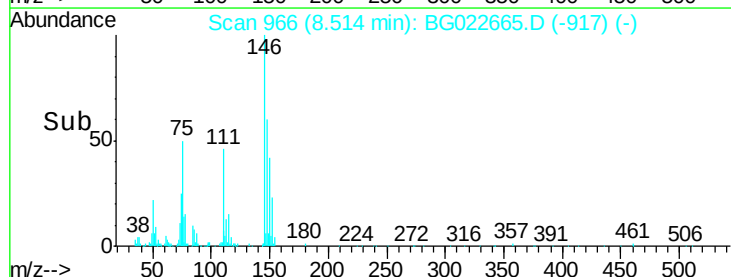
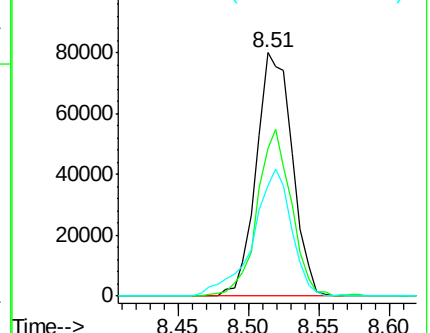
111 45.5 43.5 65.3

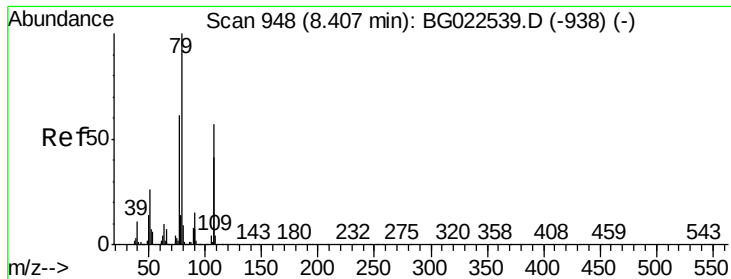


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 14.57 ng

RT: 8.40 min Scan# 946

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

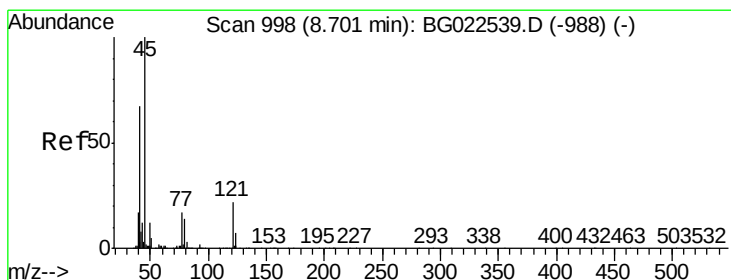
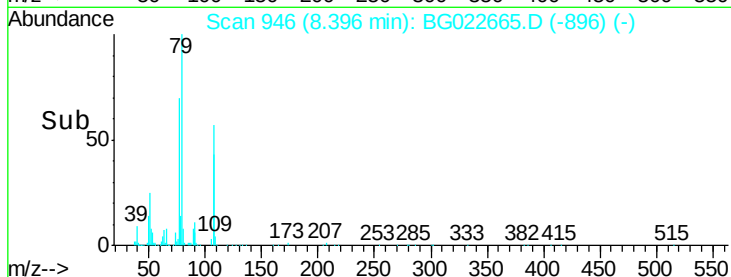
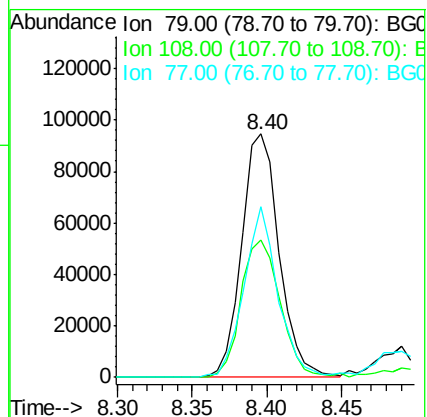
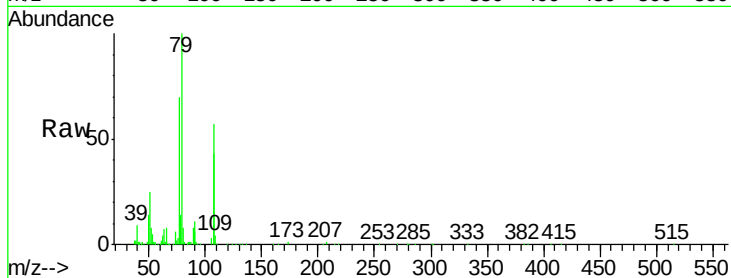
Tot Ion: 79 Resp: 164600

Ion Ratio Lower Upper

79 100

108 56.6 46.5 69.7

77 70.0 52.3 78.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 13.29 ng

RT: 8.70 min Scan# 997

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

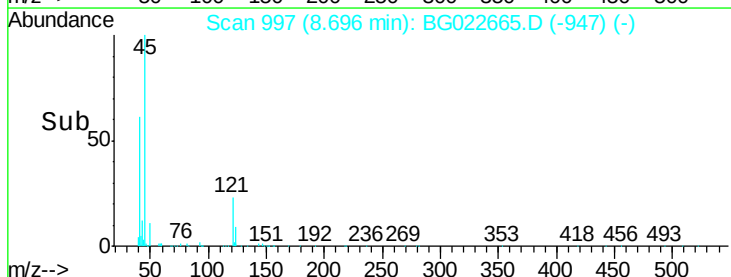
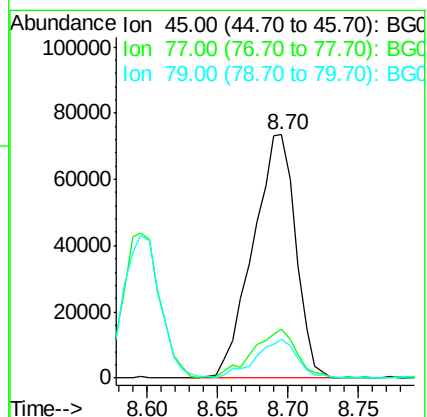
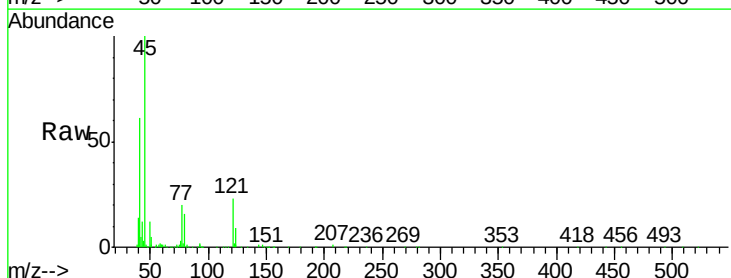
Tgt Ion: 45 Resp: 156119

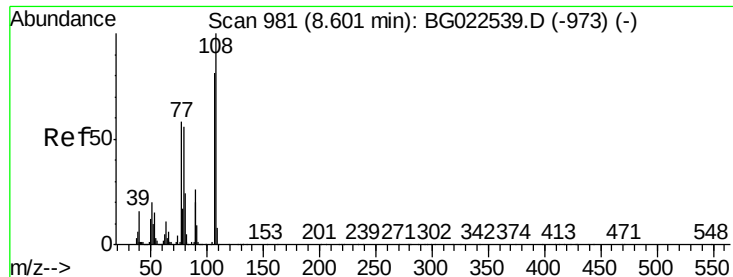
Ion Ratio Lower Upper

45 100

77 20.3 0.6 40.6

79 15.8 0.0 36.2





#17

2-Methylphenol

Concen: 14.55 ng

RT: 8.60 min Scan# 980

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:107 Resp: 123739

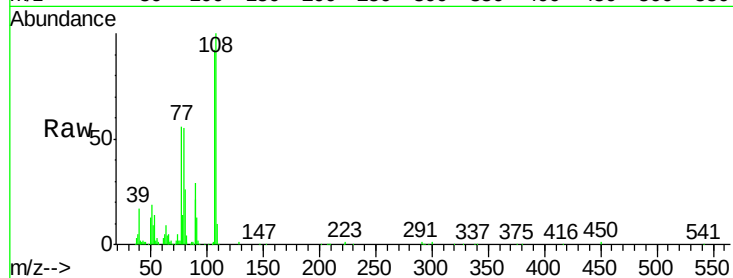
Ion Ratio Lower Upper

107 100

108 108.5 92.0 138.0

77 60.3 55.8 83.6

79 59.4 55.0 82.6

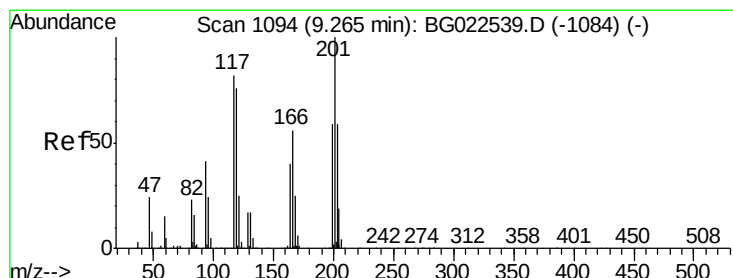
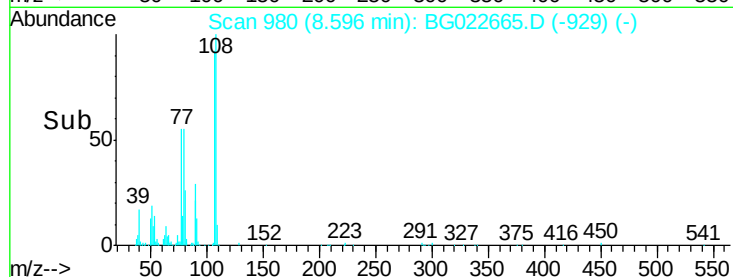
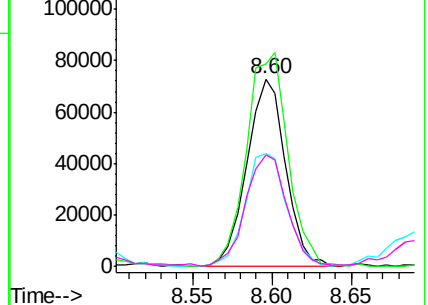


Abundance Ion 107.00 (106.70 to 107.70): E

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: 12.95 ng

RT: 9.25 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

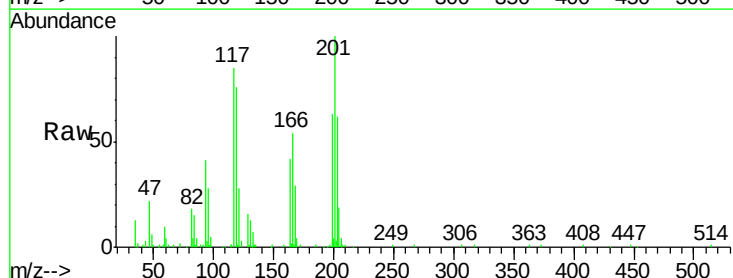
Tgt Ion:117 Resp: 58676

Ion Ratio Lower Upper

117 100

119 89.3 73.7 110.5

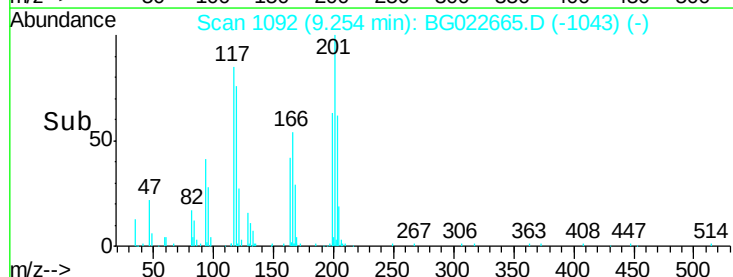
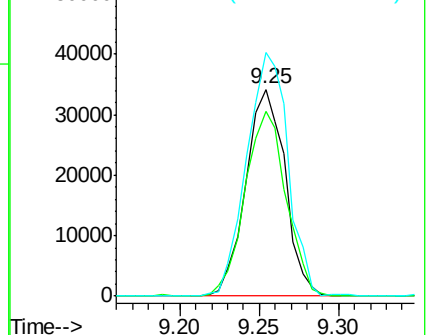
201 117.6 88.7 133.1

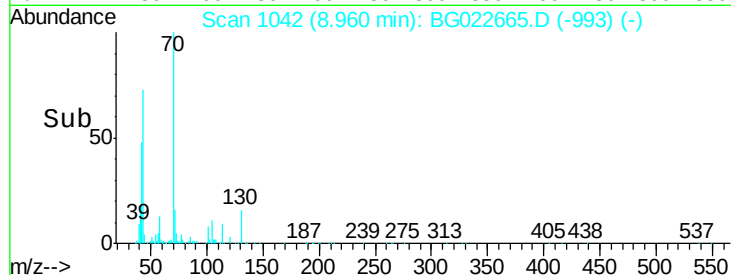
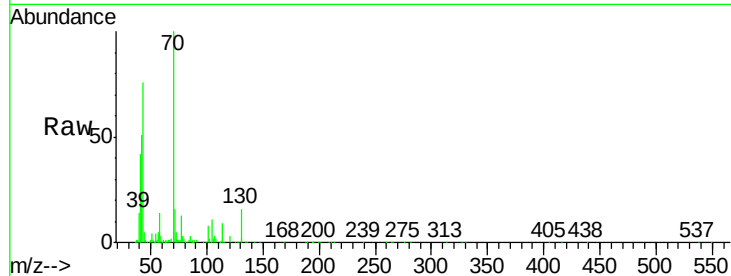
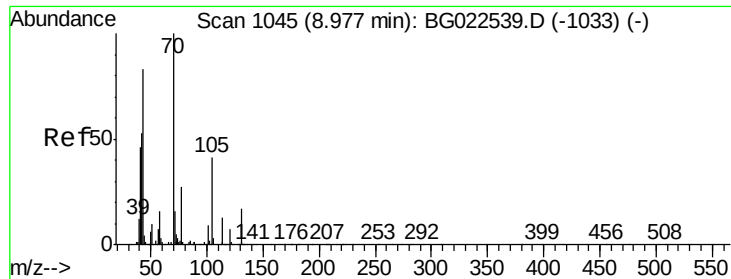


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

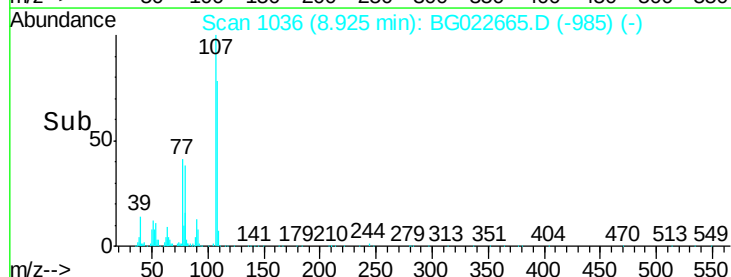
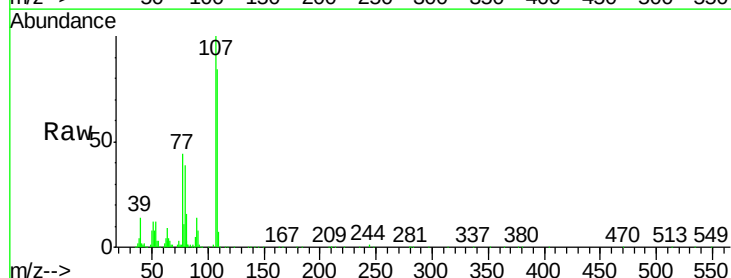
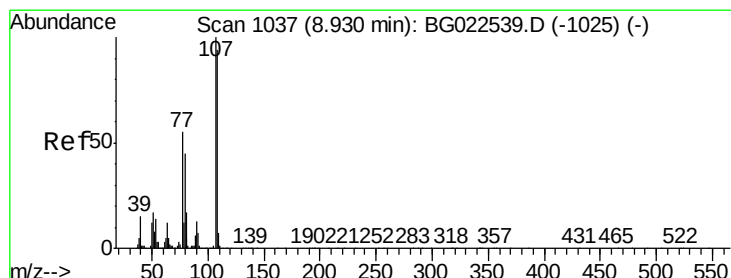
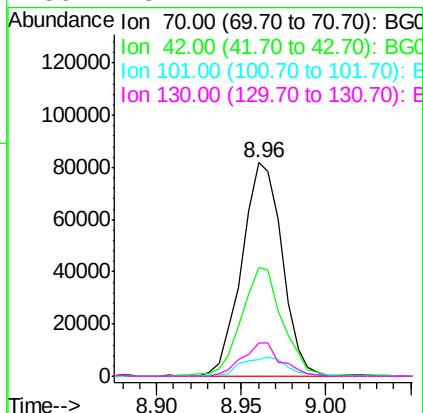




#19
n-Nitroso-di-n-propylamine
Concen: 13.36 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

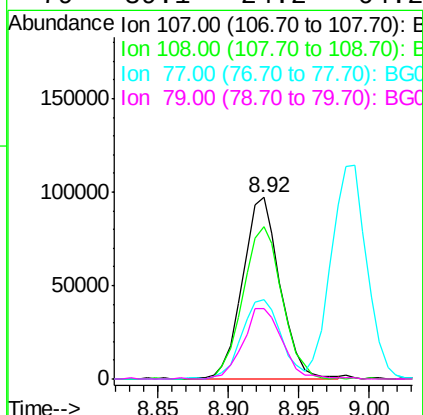
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

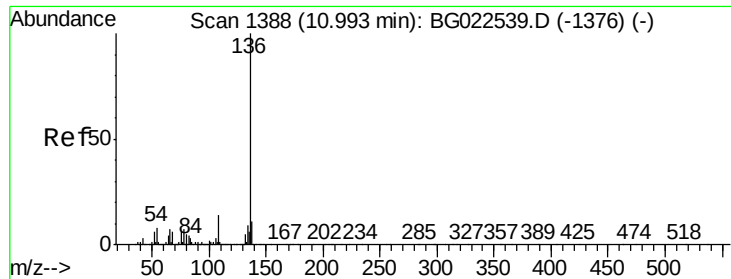
Tot Ion:	70	Resp:	135851
Ion	Ratio	Lower	Upper
70	100		
42	50.9	42.1	63.1
101	7.6	7.2	10.8
130	15.7	14.2	21.2



#20
3+4-Methylphenols
Concen: 15.42 ng
RT: 8.92 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:	107	Resp:	180711
Ion	Ratio	Lower	Upper
107	100		
108	84.1	72.5	112.5
77	43.5	30.1	70.1
79	39.1	24.2	64.2

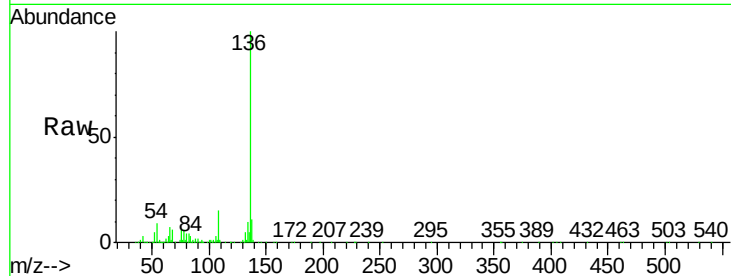




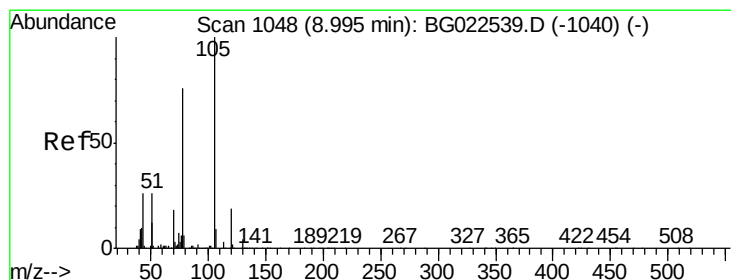
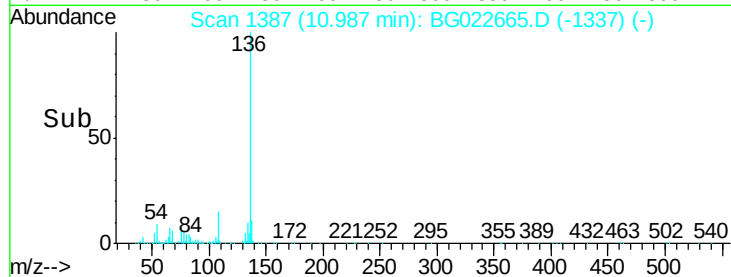
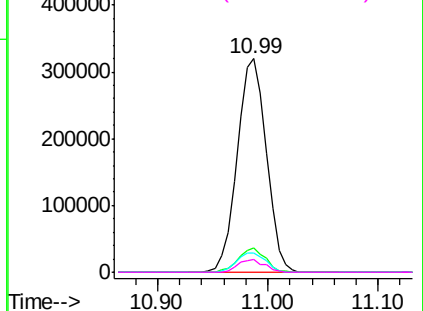
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:136	Resp:	592944	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	9.6	14.4	
54 9.1	7.3	10.9	
68 5.8	5.3	7.9	

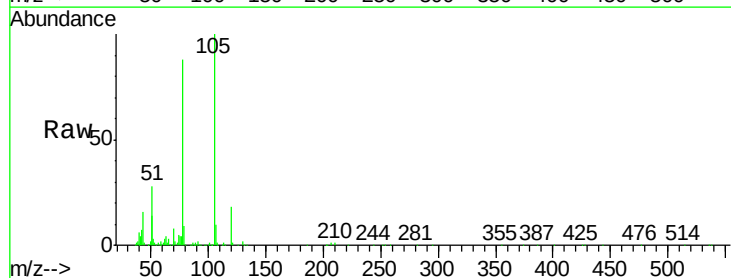


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

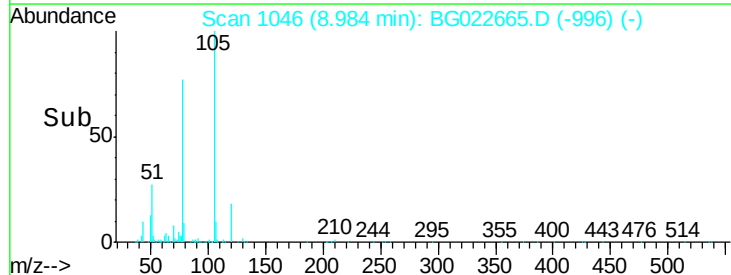
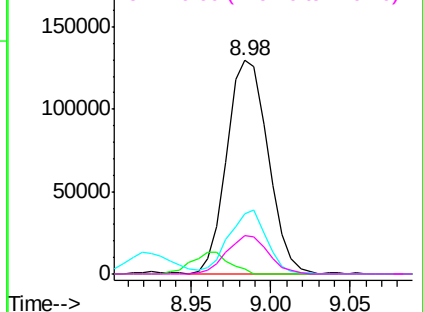


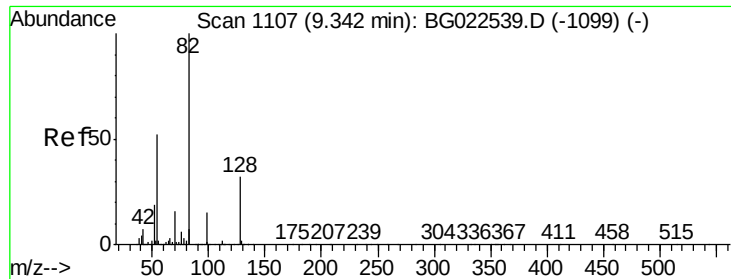
#22
Acetophenone
Concen: 13.51 ng
RT: 8.98 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt	Ion:105	Resp:	231652
Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.6	3.8#
51	28.4	27.1	40.7
120	18.0	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

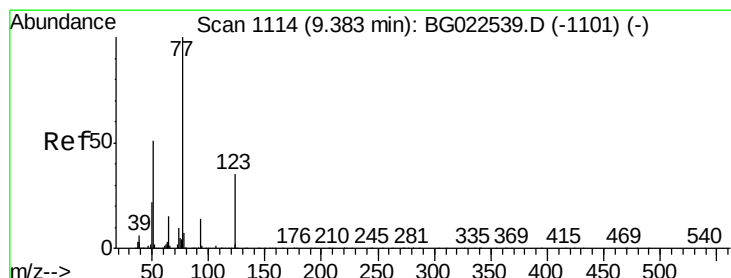
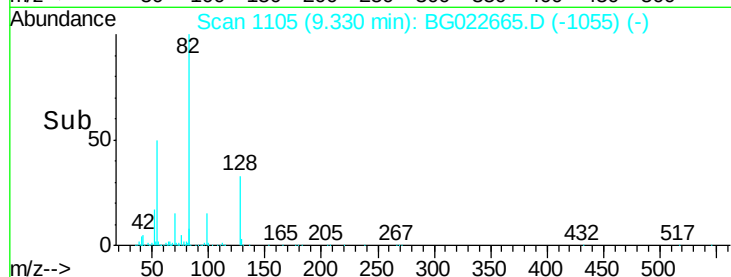
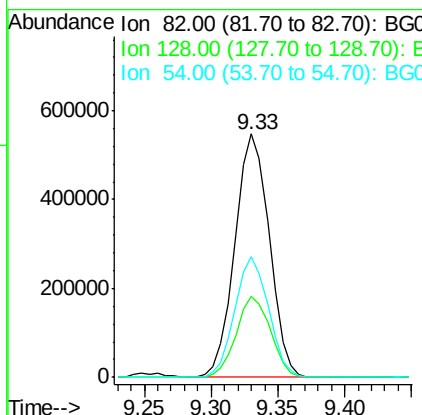
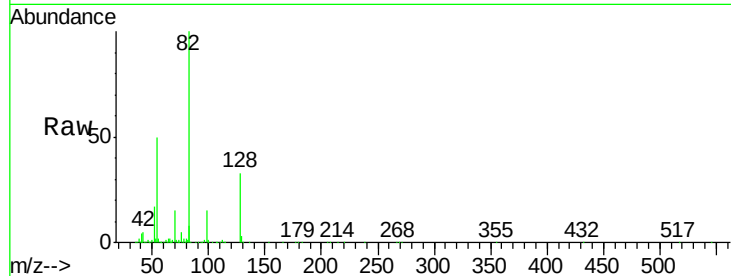




#23
Nitrobenzene-d5
Concen: 69.84 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

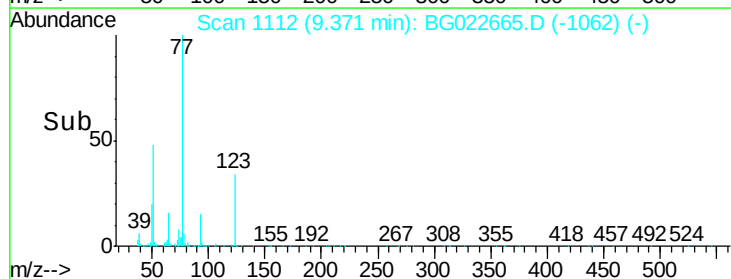
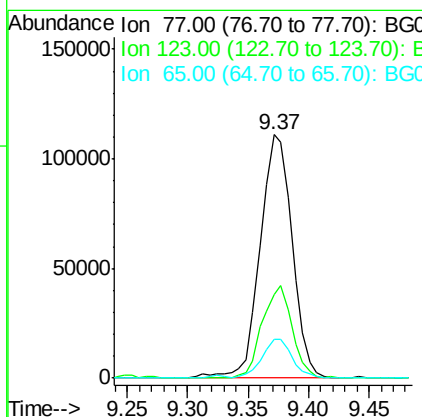
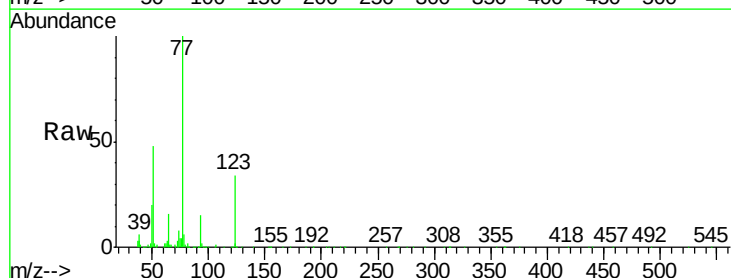
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

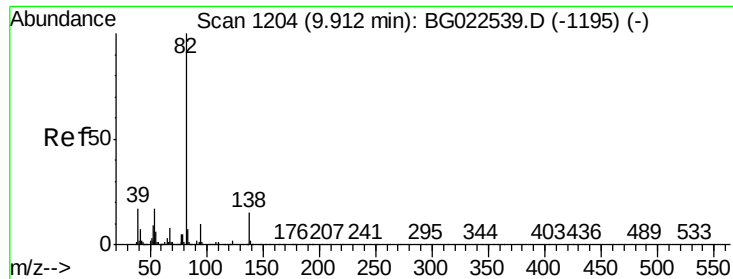
Tot Ion	Ratio	Lower	Upper
82	100		
128	33.1	24.4	36.6
54	49.6	41.4	62.0



#24
Nitrobenzene
Concen: 13.20 ng
RT: 9.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	34.2	25.0	37.6
65	16.0	13.4	20.0





#25

Isophorone

Concen: 12.79 ng

RT: 9.89 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

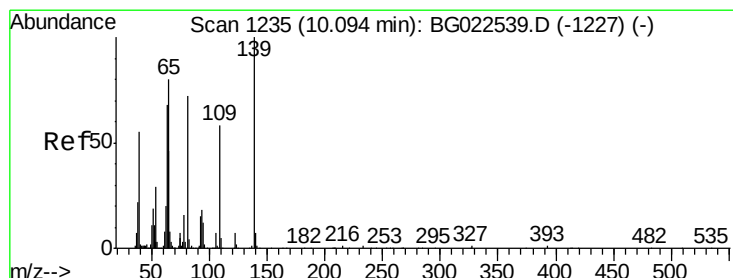
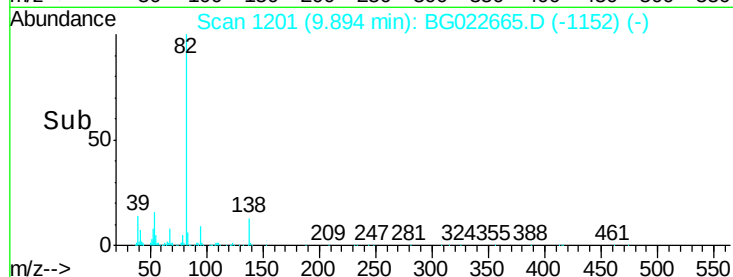
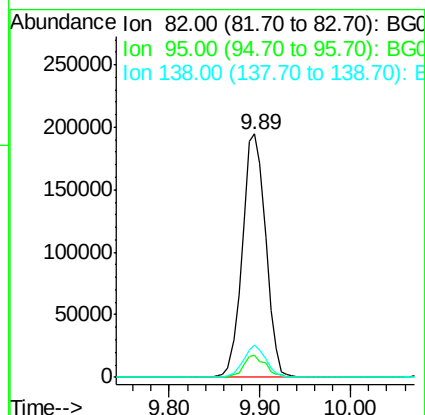
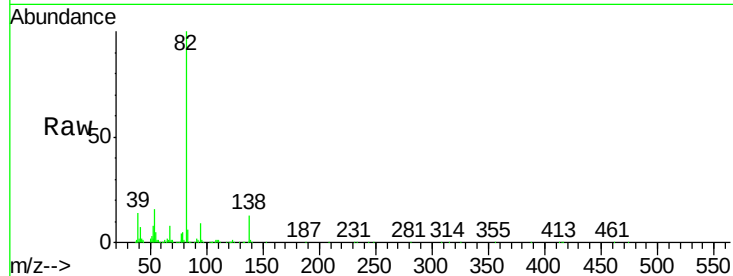
Tot Ion: 82 Resp: 347709

Ion Ratio Lower Upper

82 100

95 9.3 8.2 12.2

138 13.3 10.7 16.1



#26

2-Nitrophenol

Concen: 13.40 ng

RT: 10.09 min Scan# 1234

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

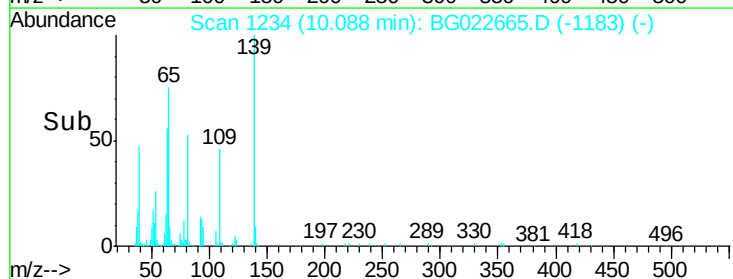
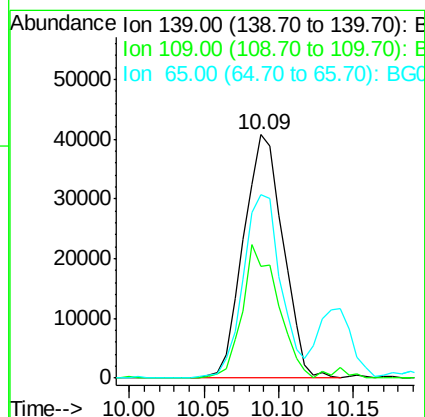
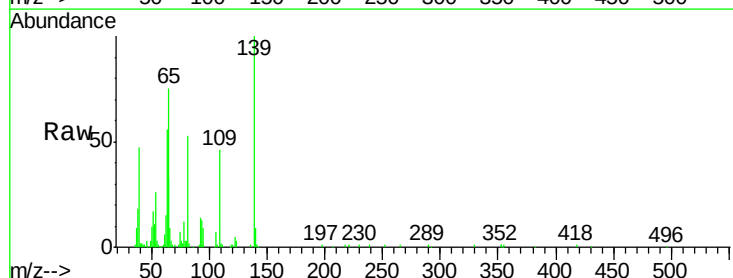
Tgt Ion: 139 Resp: 74718

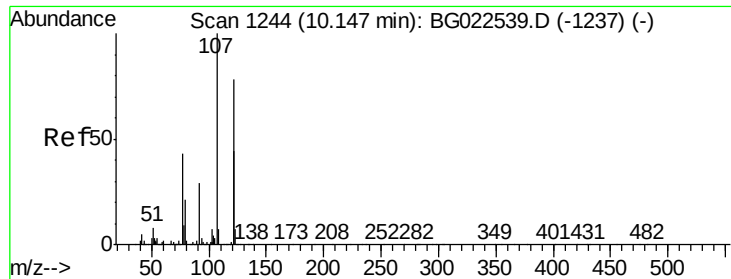
Ion Ratio Lower Upper

139 100

109 45.7 43.5 65.3

65 75.4 64.3 96.5

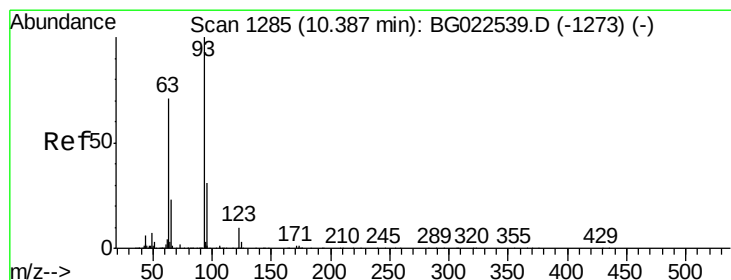
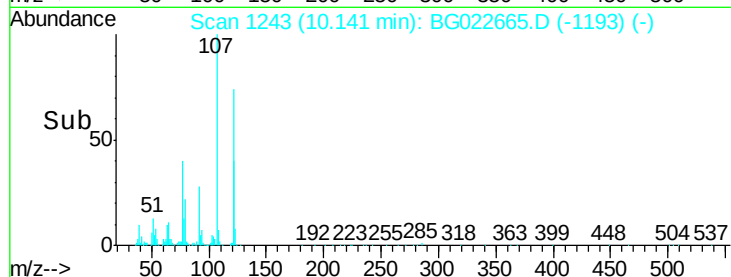
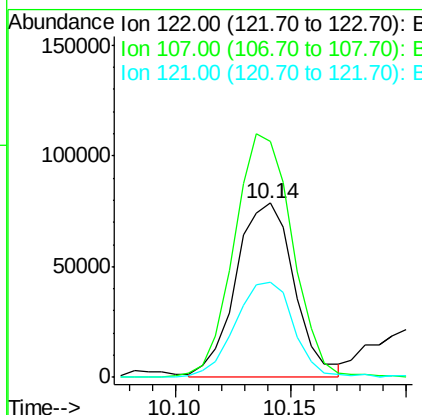
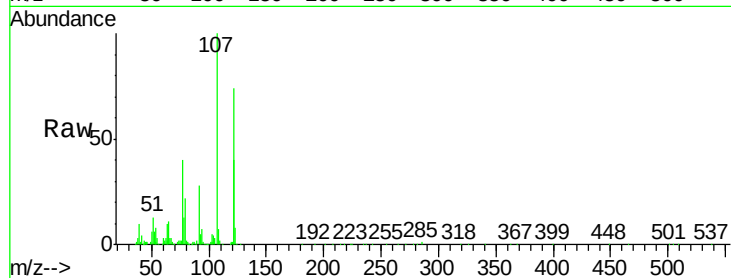




#27
2,4-Dimethylphenol
Concen: 12.99 ng
RT: 10.14 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

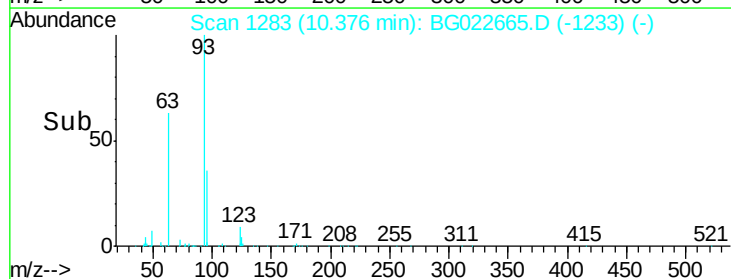
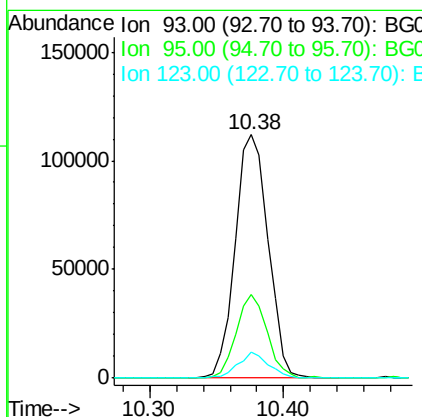
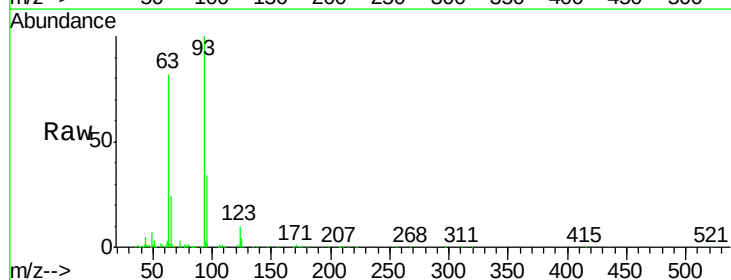
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

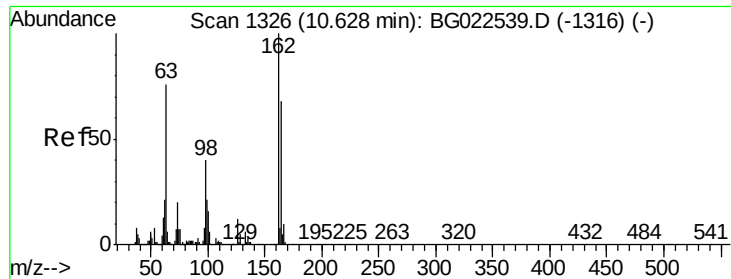
Tot Ion	Ratio	Lower	Upper
122	100		
107	135.4	117.0	175.4
121	54.4	50.1	75.1



#28
bis(2-Chloroethoxy)methane
Concen: 12.88 ng
RT: 10.38 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.4	25.4	38.2
123	10.5	8.2	12.2

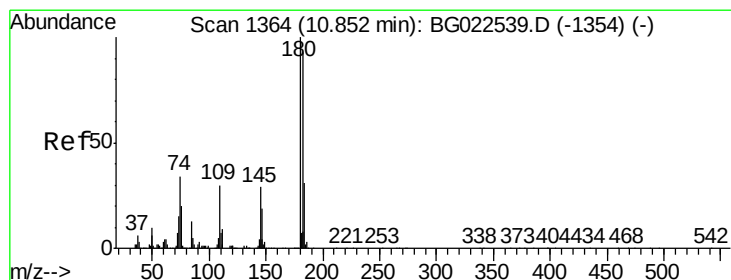
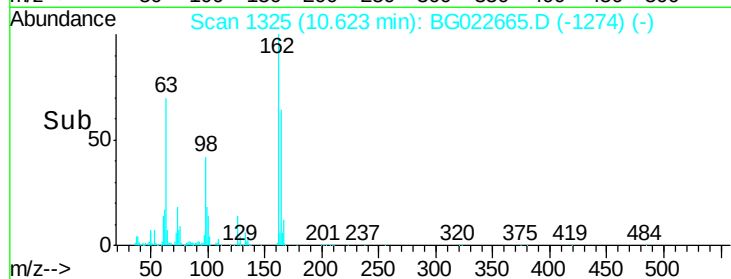
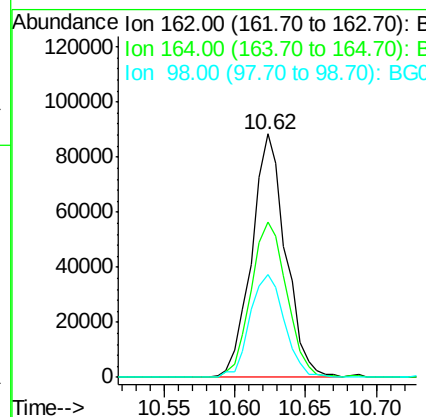
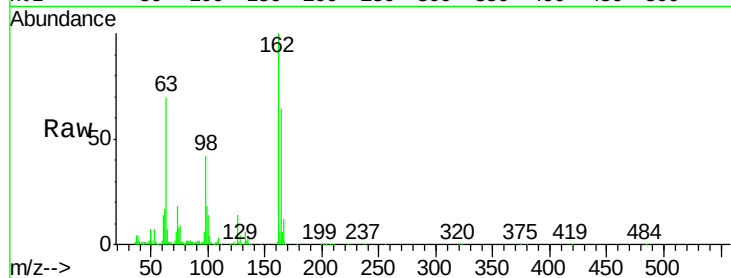




#29
 2,4-Dichlorophenol
 Concen: 14.38 ng
 RT: 10.62 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

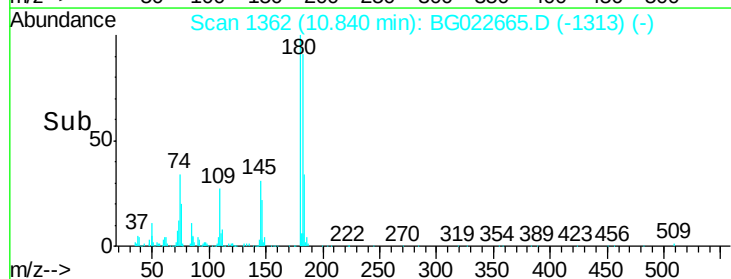
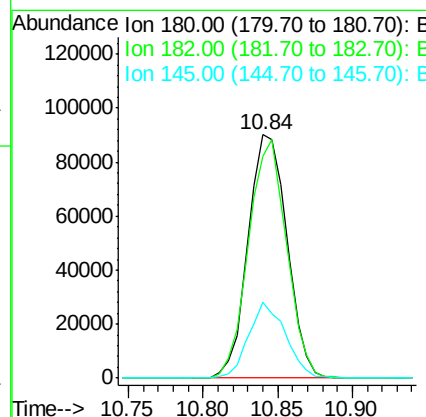
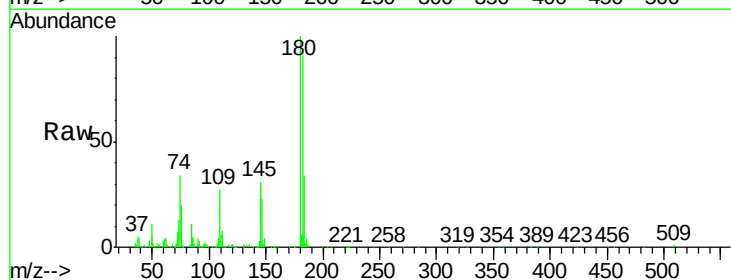
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

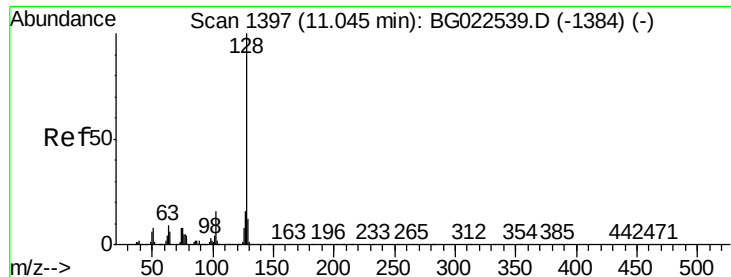
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.3	84.3
98	42.2	19.5	59.5



#30
 1,2,4-Trichlorobenzene
 Concen: 13.18 ng
 RT: 10.84 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	73.8	110.8
145	30.9	24.4	36.6

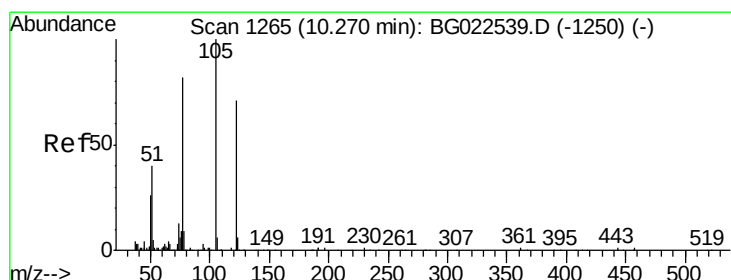
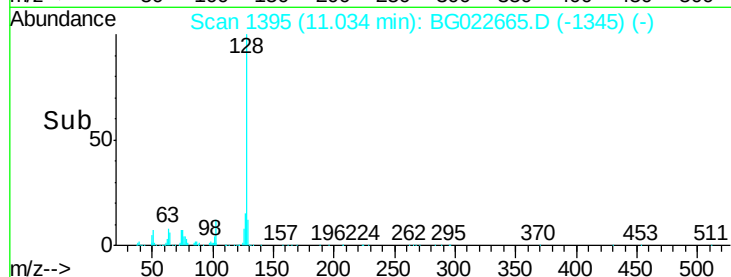
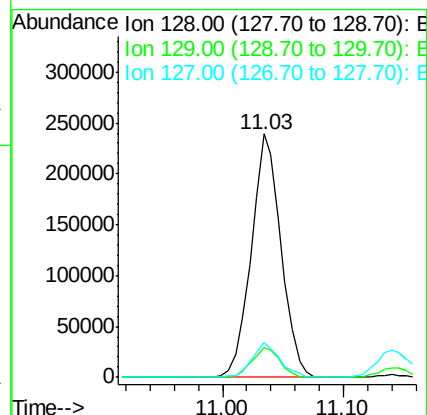
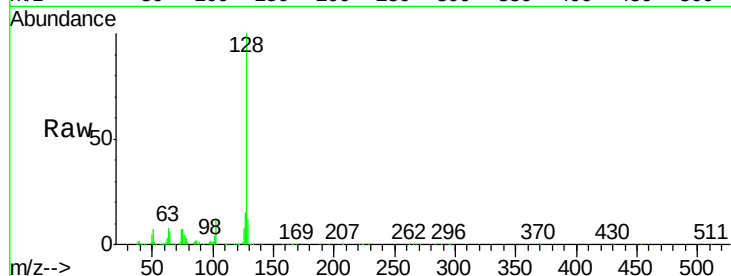




#31
Naphthalene
Concen: 13.70 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

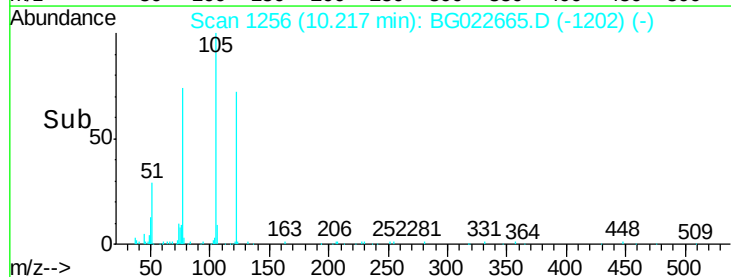
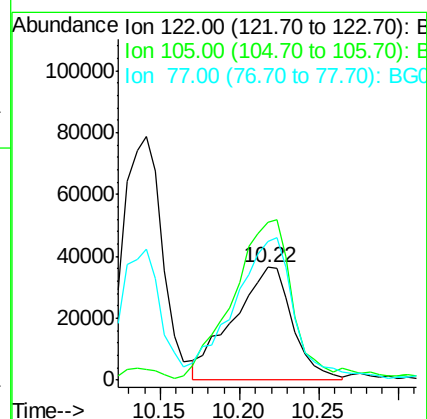
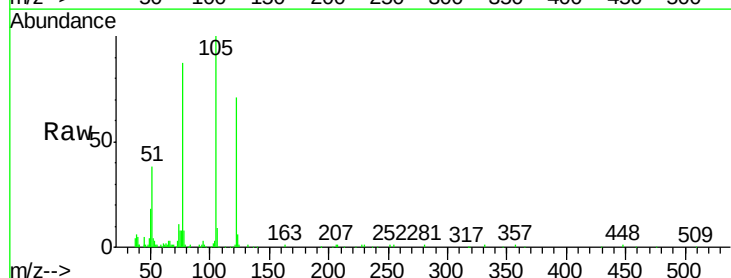
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

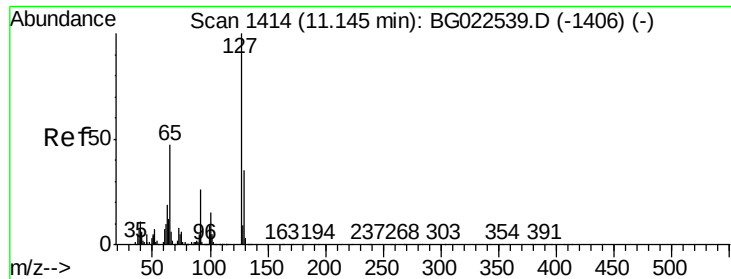
Tot Ion:128 Resp: 408314
Ion Ratio Lower Upper
128 100
129 12.4 9.4 14.0
127 14.6 11.3 16.9



#32
Benzoic acid
Concen: 17.15 ng
RT: 10.22 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:122 Resp: 93824
Ion Ratio Lower Upper
122 100
105 140.5 117.2 157.2
77 122.9 109.2 149.2





#33

4-Chloroaniline

Concen: 4.02 ng

RT: 11.14 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

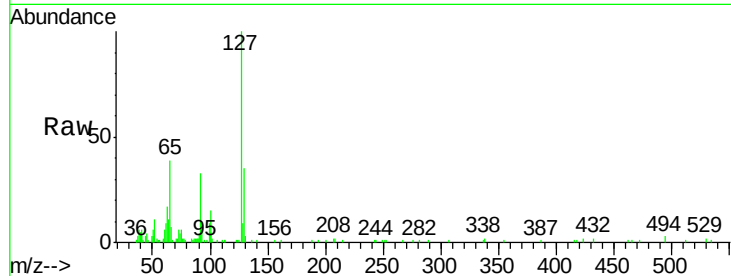
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:	127	Resp:	51623
Ion	Ratio	Lower	Upper
127	100		
129	35.2	27.9	41.9
65	38.7	36.8	55.2
92	33.4	21.0	31.6#



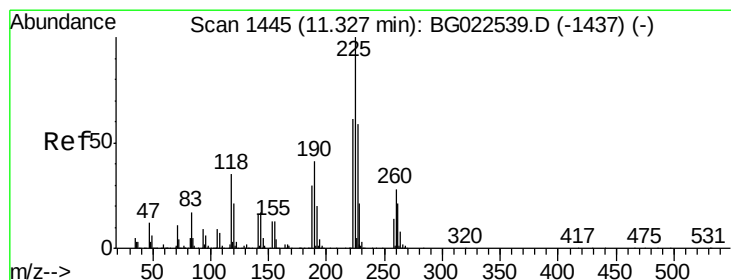
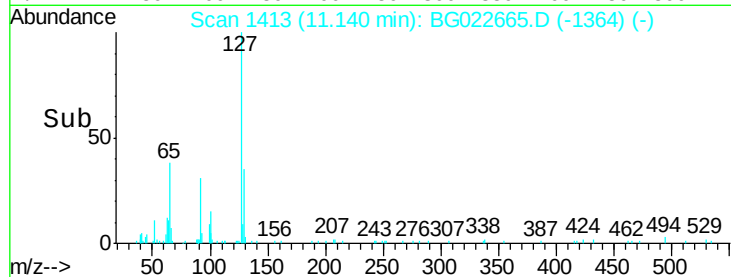
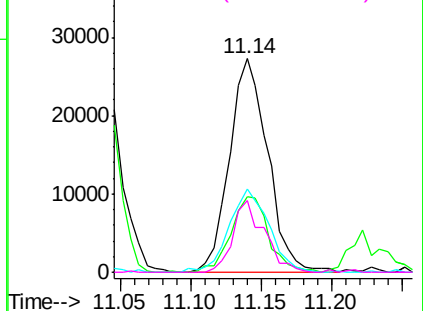
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34

Hexachlorobutadiene

Concen: 12.98 ng

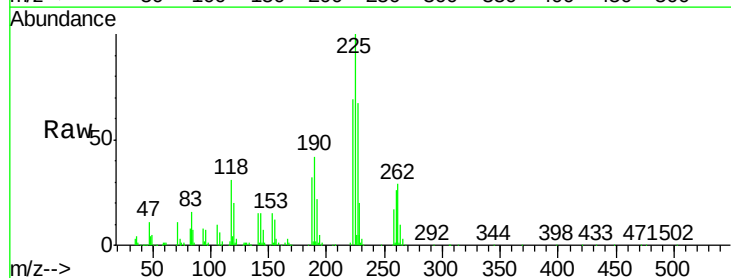
RT: 11.32 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Tgt Ion:	225	Resp:	124342
Ion	Ratio	Lower	Upper
225	100		
223	68.7	49.6	74.4
227	66.9	54.5	81.7

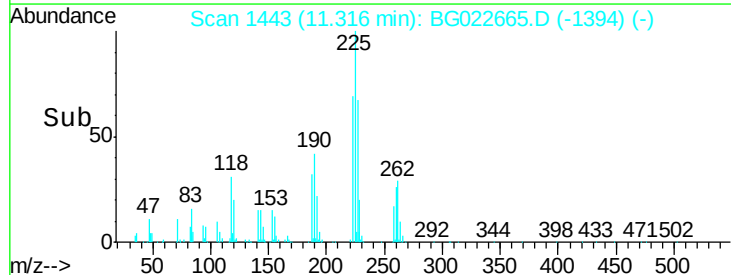
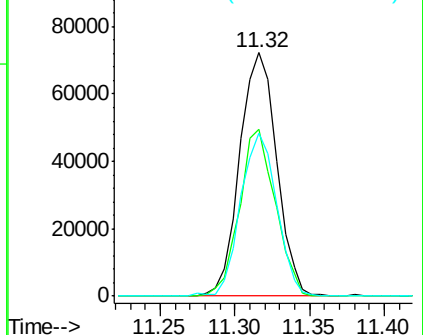


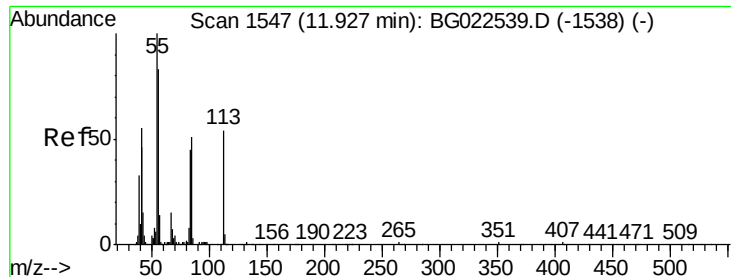
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 16.46 ng

RT: 11.90 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

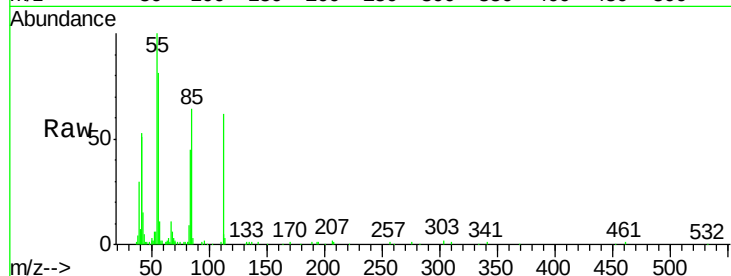
Tot Ion:113 Resp: 53819

Ion Ratio Lower Upper

113 100

55 162.1 154.5 194.5

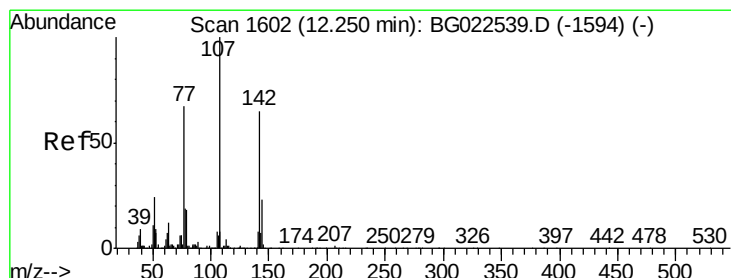
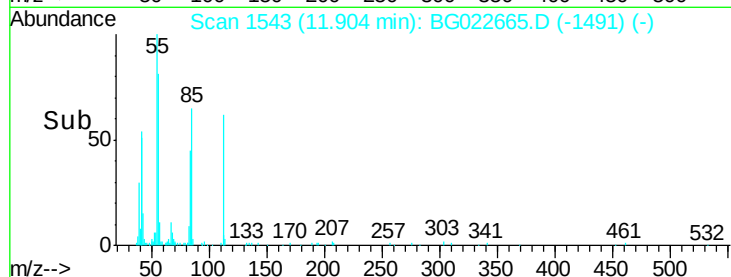
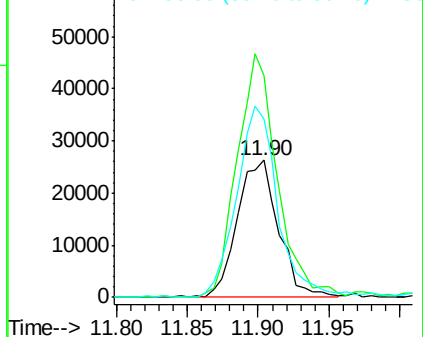
56 130.7 125.1 165.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 15.36 ng

RT: 12.24 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

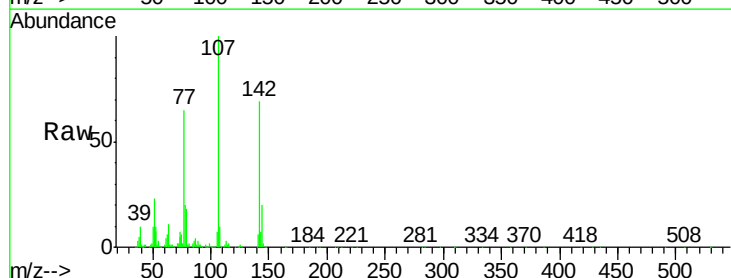
Tgt Ion:107 Resp: 195804

Ion Ratio Lower Upper

107 100

144 19.9 17.0 25.6

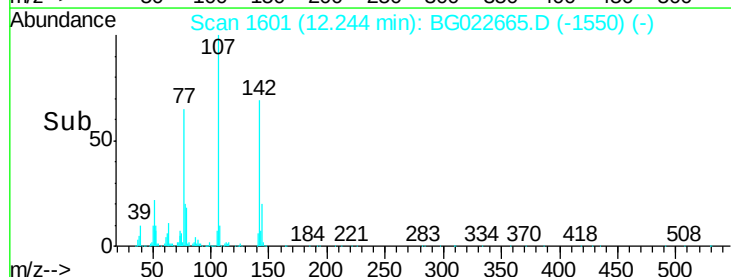
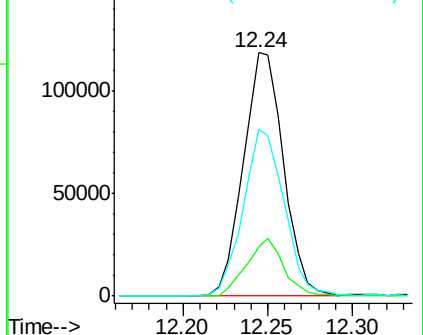
142 68.6 53.0 79.6

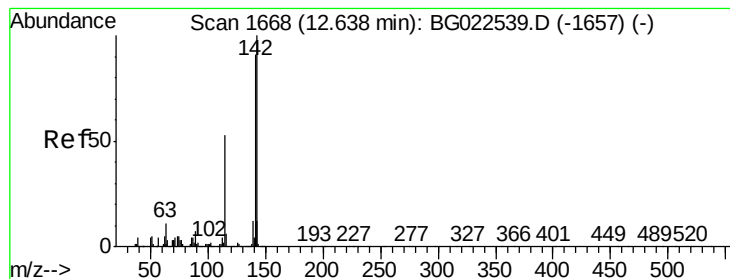


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 13.83 ng

RT: 12.63 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

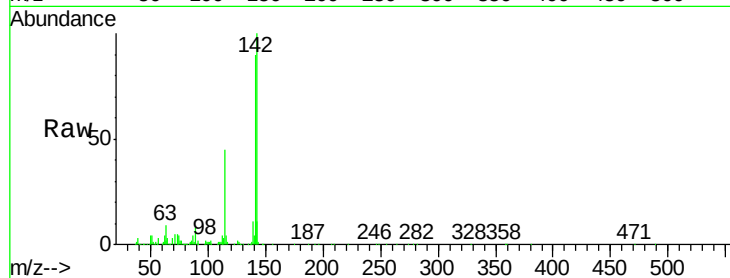
Tot Ion:142 Resp: 319552

Ion Ratio Lower Upper

142 100

141 90.4 70.2 105.2

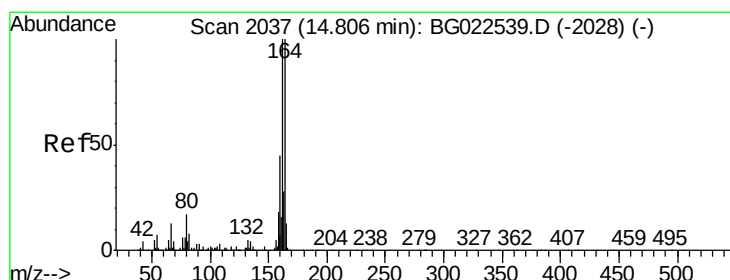
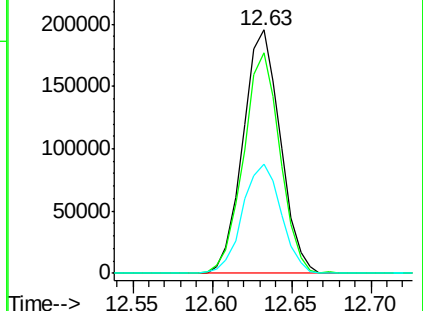
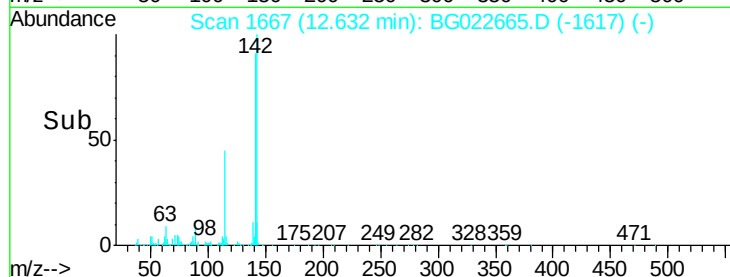
115 44.6 41.7 62.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

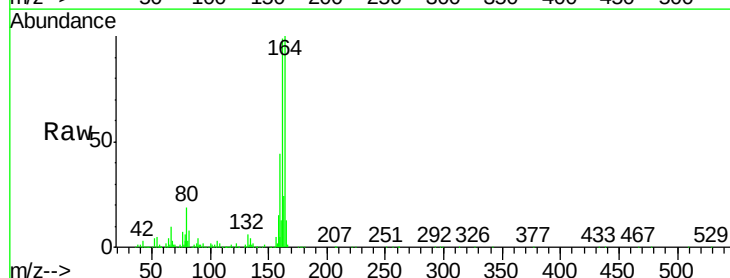
Tgt Ion:164 Resp: 428777

Ion Ratio Lower Upper

164 100

162 98.9 87.7 131.5

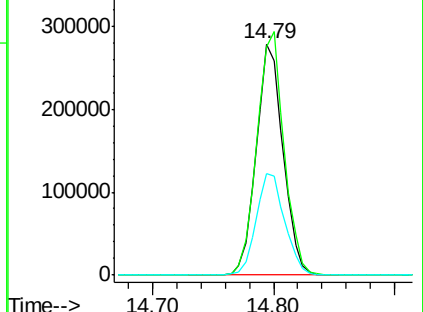
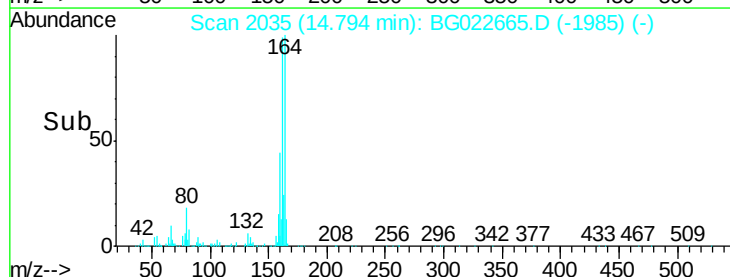
160 43.8 37.2 55.8

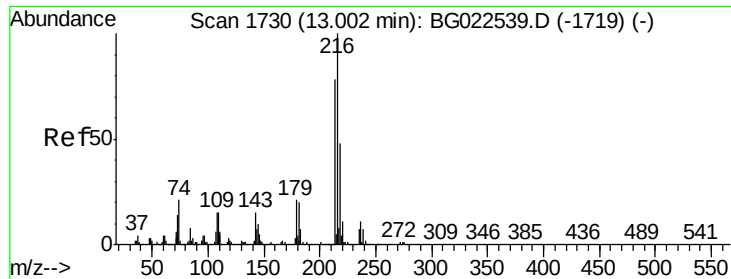


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 13.56 ng

RT: 13.00 min Scan# 1729

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:216 Resp: 219491

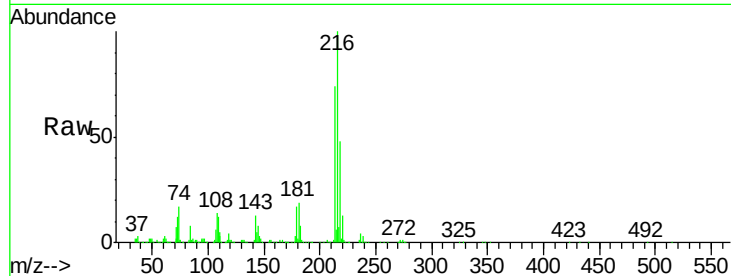
Ion Ratio Lower Upper

216 100

214 77.9 62.9 94.3

179 19.8 17.2 25.8

108 17.8 16.3 24.5

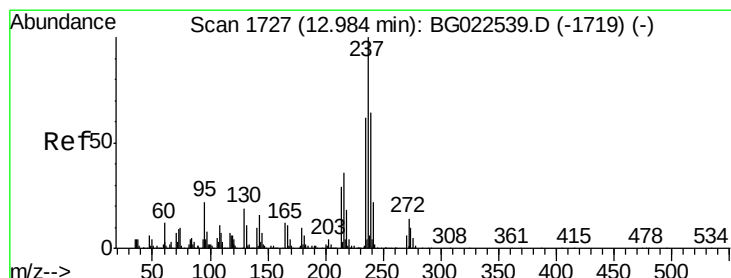
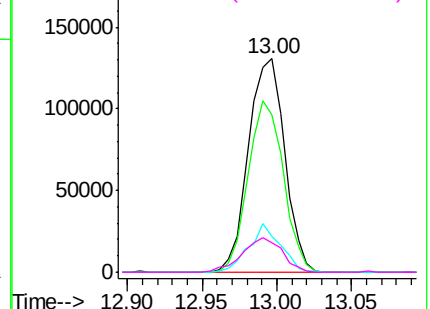
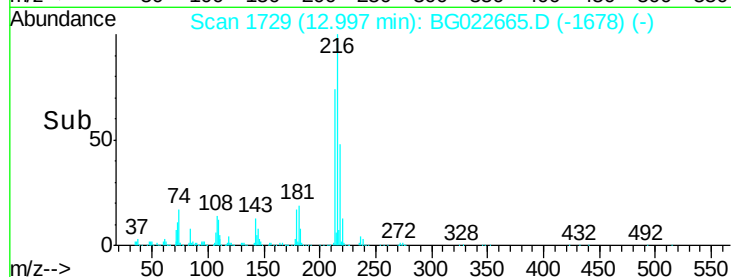


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 11.45 ng

RT: 12.97 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

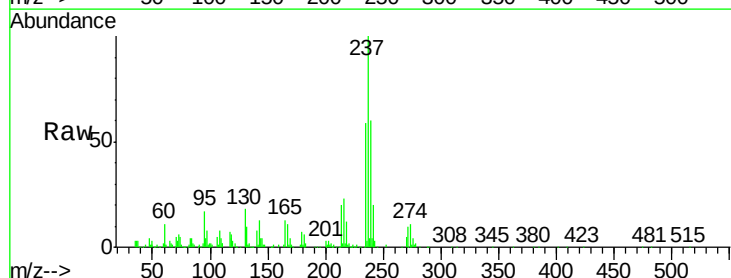
Tgt Ion:237 Resp: 147903

Ion Ratio Lower Upper

237 100

235 59.5 43.1 83.1

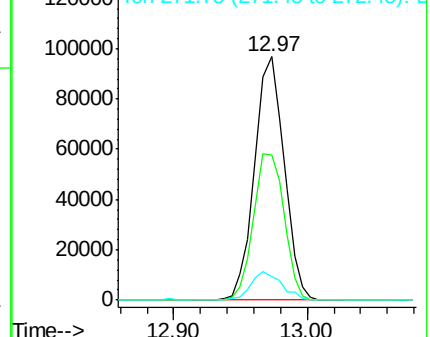
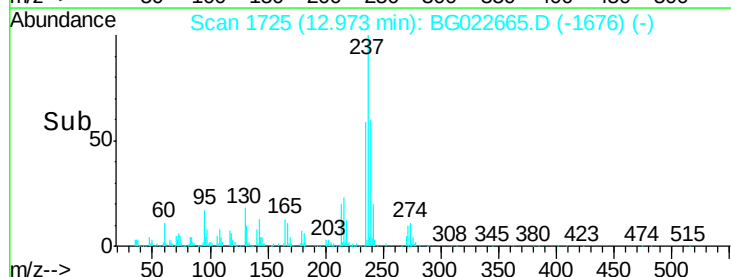
272 9.8 0.0 30.9

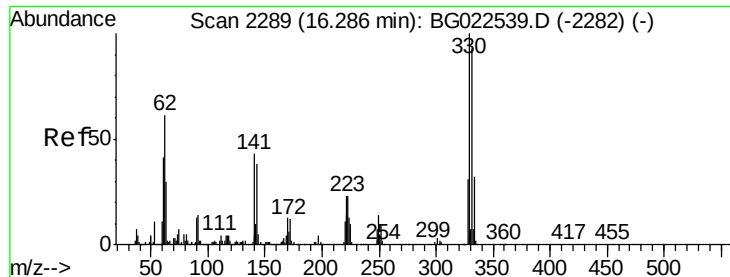


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 119.83 ng

RT: 16.29 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

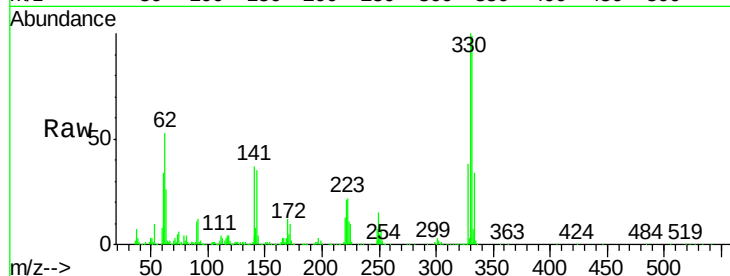
Tot Ion:330 Resp: 808132

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

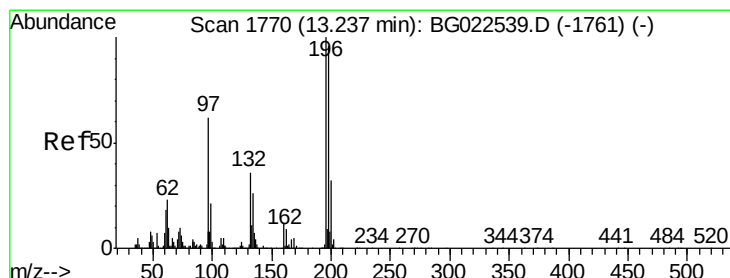
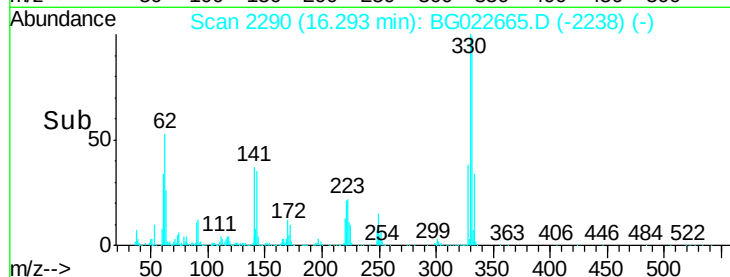
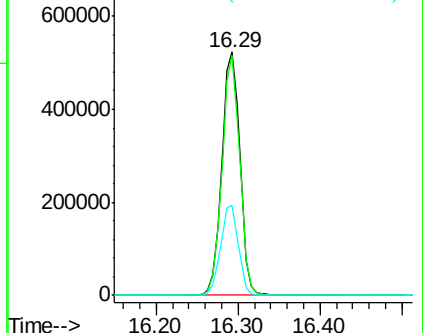
141 36.5 31.7 47.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 14.60 ng

RT: 13.23 min Scan# 1768

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

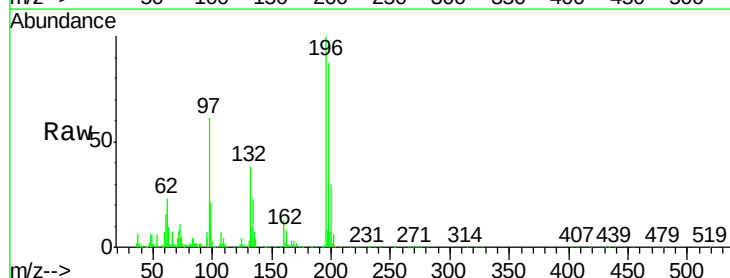
Tgt Ion:196 Resp: 151555

Ion Ratio Lower Upper

196 100

198 87.4 78.2 117.2

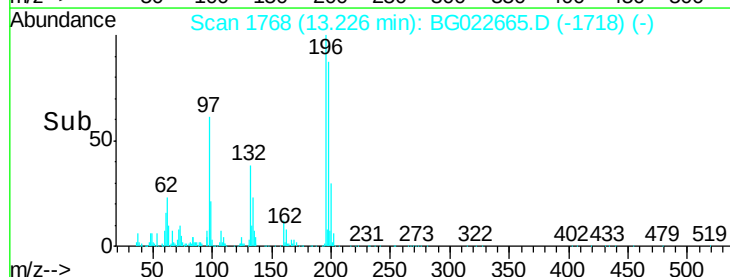
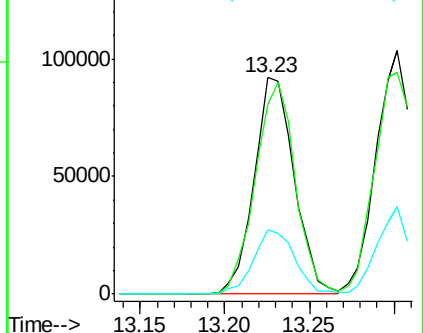
200 29.8 27.0 40.4

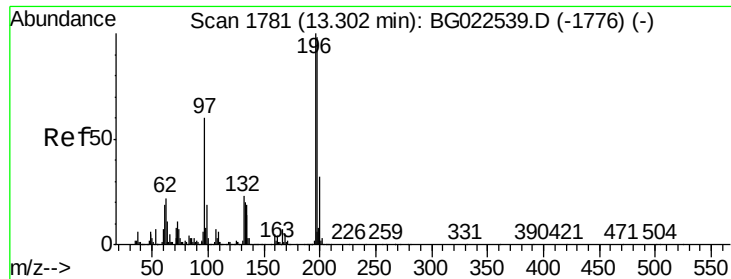


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

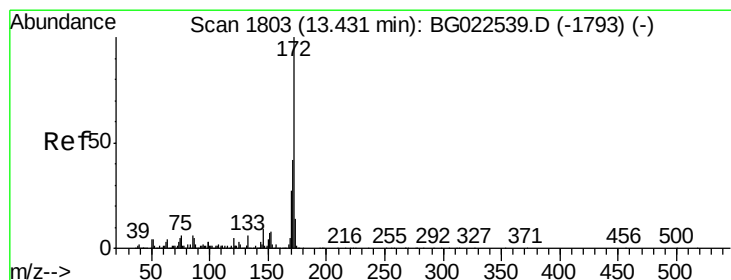
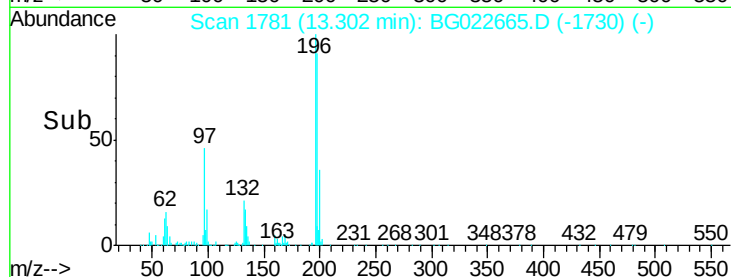
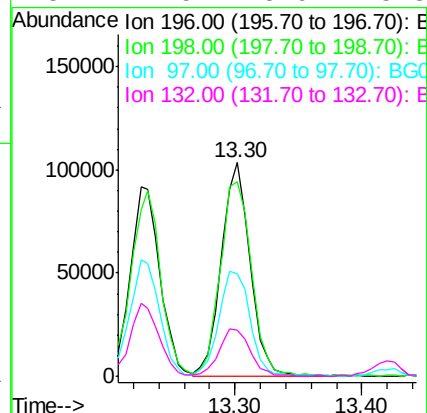
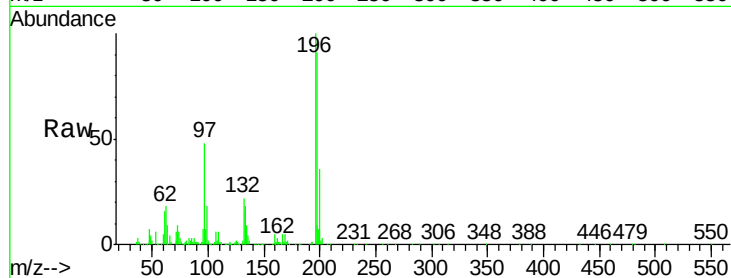




#43
2,4,5-Trichlorophenol
Concen: 15.02 ng
RT: 13.30 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

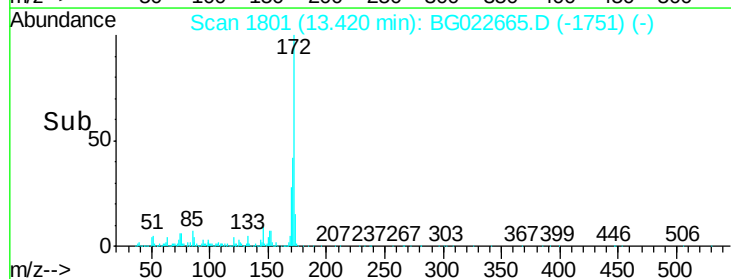
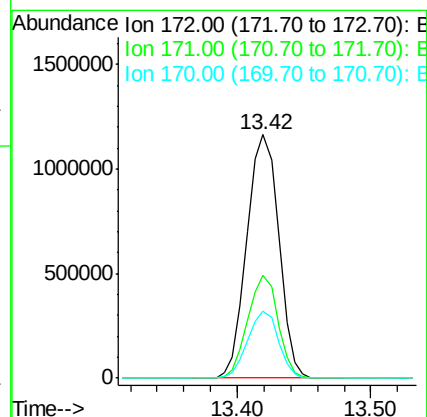
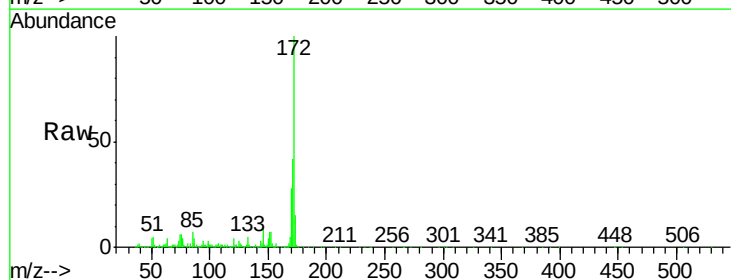
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

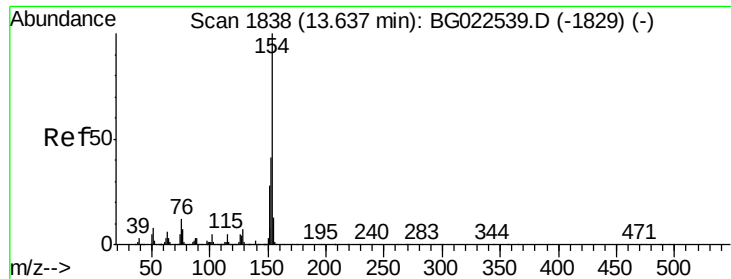
Tot Ion	Ratio	Lower	Upper
196	100		
198	91.1	85.7	128.5
97	48.1	45.5	68.3
132	21.5	18.9	28.3



#44
2-Fluorobiphenyl
Concen: 70.96 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	42.0	31.6	47.4
170	27.6	21.3	31.9

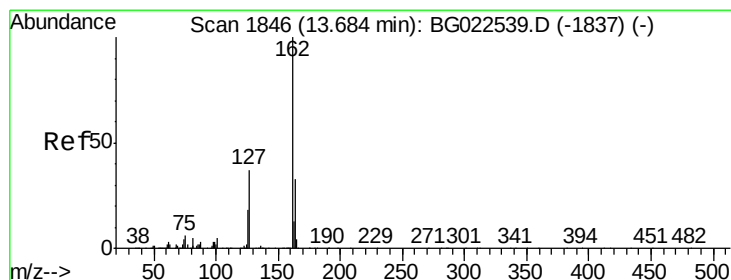
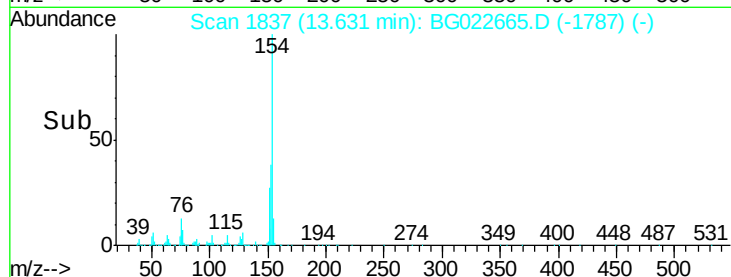
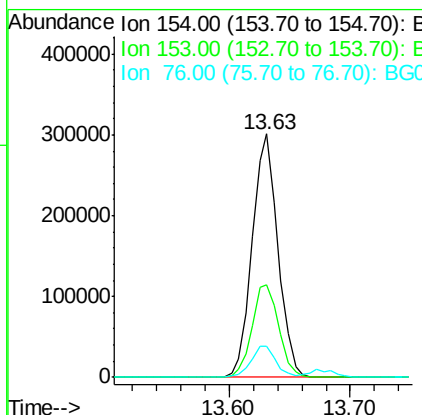
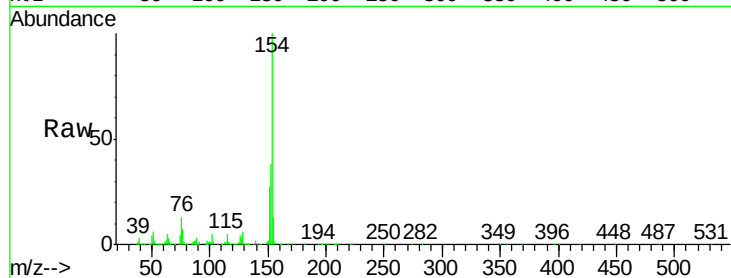




#45
 1,1'-Biphenyl
 Concen: 13.63 ng
 RT: 13.63 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

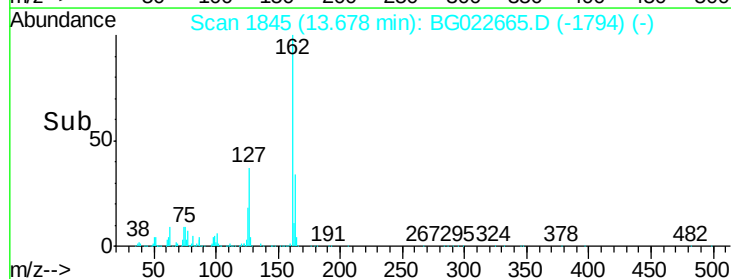
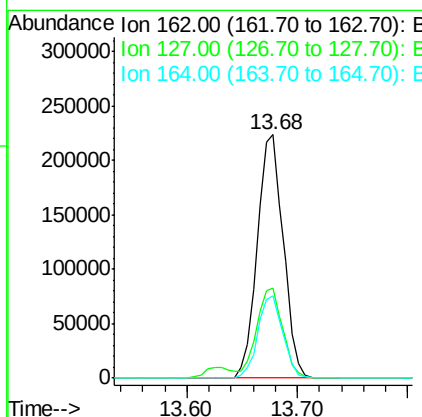
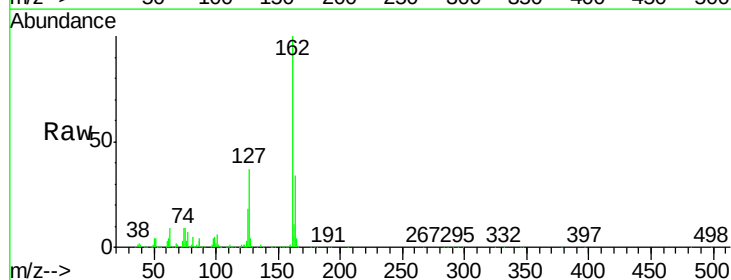
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

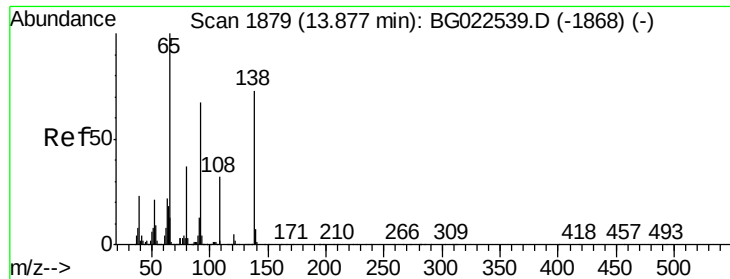
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.1	20.2	60.2
76	12.6	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 13.74 ng
 RT: 13.68 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.0	32.4	48.6
164	33.8	25.2	37.8





#47

2-Nitroaniline

Concen: 13.71 ng

RT: 13.88 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

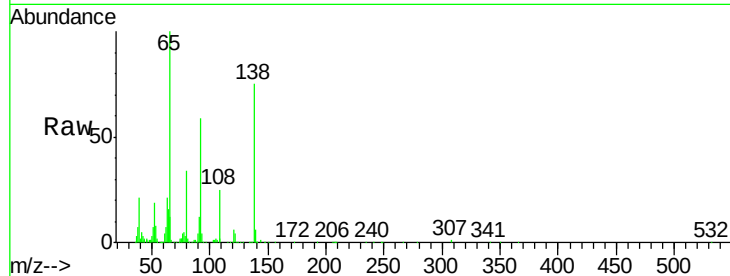
Tot Ion: 65 Resp: 142251

Ion	Ratio	Lower	Upper
65	100		
92	59.4	49.4	74.0
138	74.5	58.0	87.0

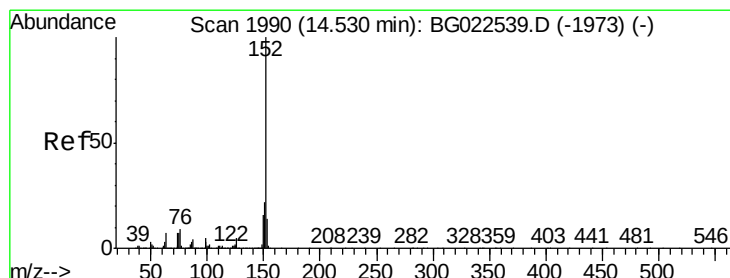
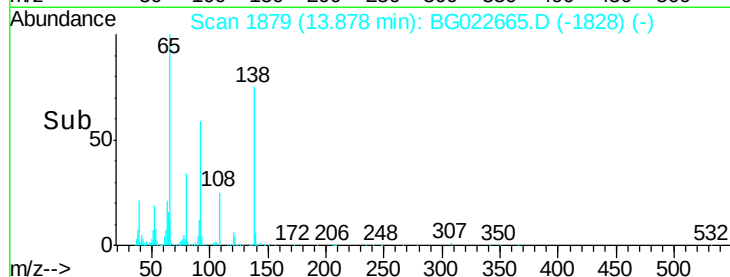
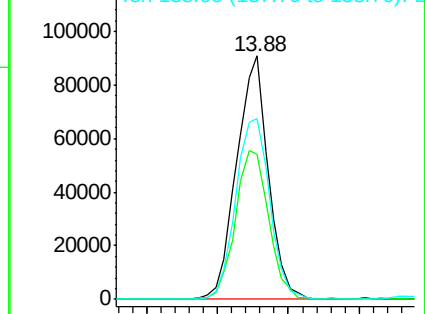
65 100

92 59.4 49.4 74.0

138 74.5 58.0 87.0



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



#48

Acenaphthylene

Concen: 14.05 ng

RT: 14.52 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

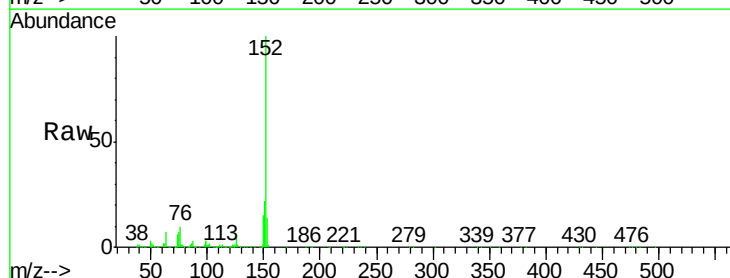
Tgt Ion: 152 Resp: 547541

Ion	Ratio	Lower	Upper
152	100		
151	22.3	17.6	26.4
153	14.2	11.4	17.2

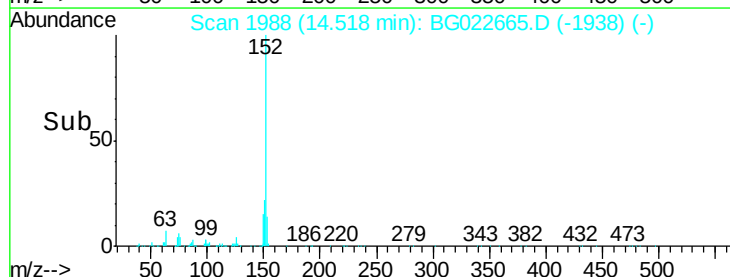
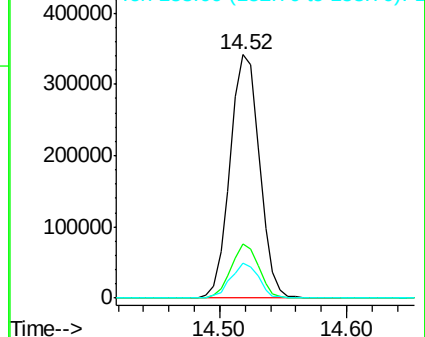
152 100

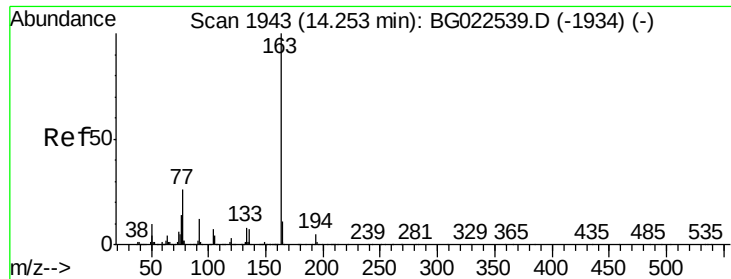
151 22.3 17.6 26.4

153 14.2 11.4 17.2



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





#49

Dimethylphthalate

Concen: 14.25 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

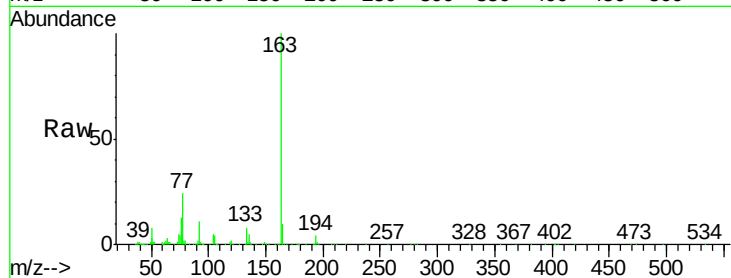
Tot Ion:163 Resp: 506914

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

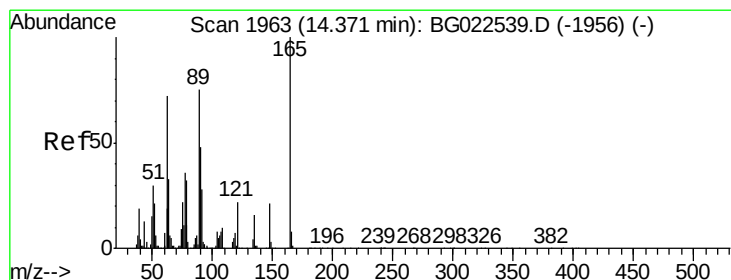
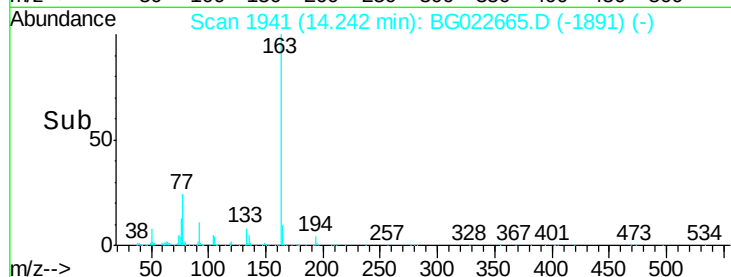
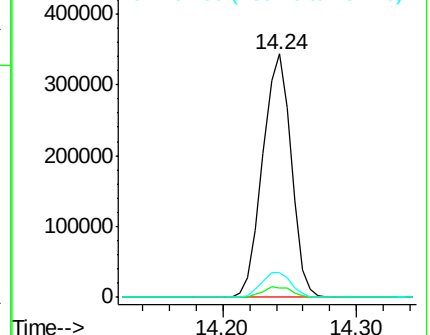
164 10.2 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 14.78 ng

RT: 14.37 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

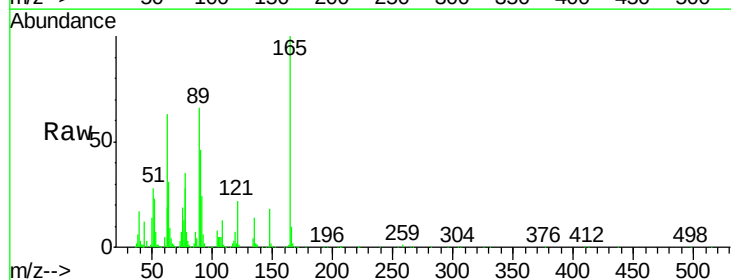
Tgt Ion:165 Resp: 114225

Ion Ratio Lower Upper

165 100

63 63.1 64.3 96.5#

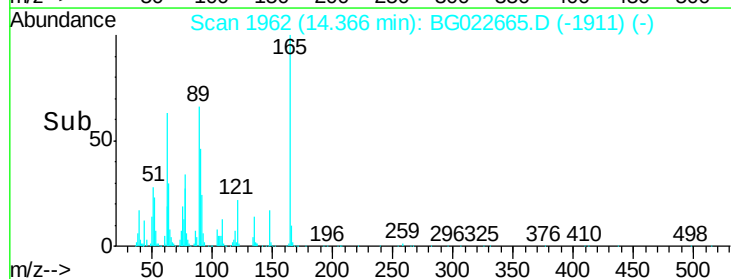
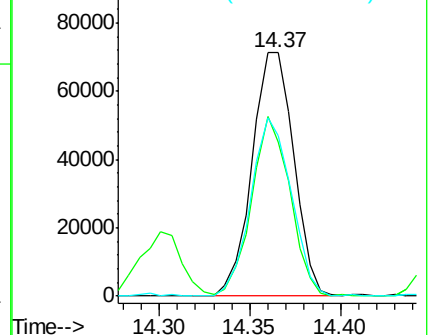
89 65.9 64.3 96.5

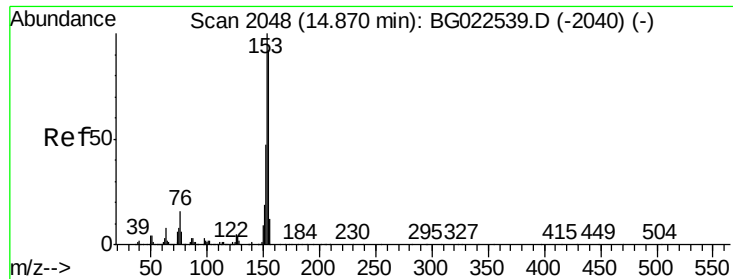


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 13.60 ng

RT: 14.86 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

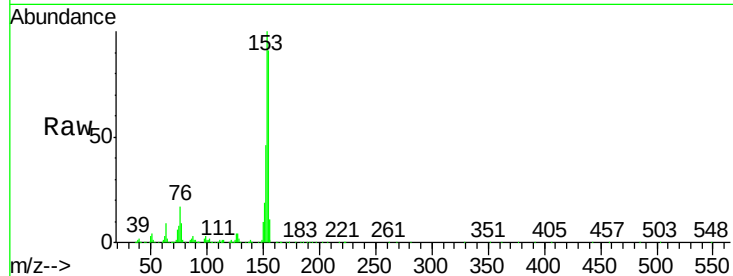
Tot Ion:154 Resp: 390572

Ion Ratio Lower Upper

154 100

153 109.5 87.5 131.3

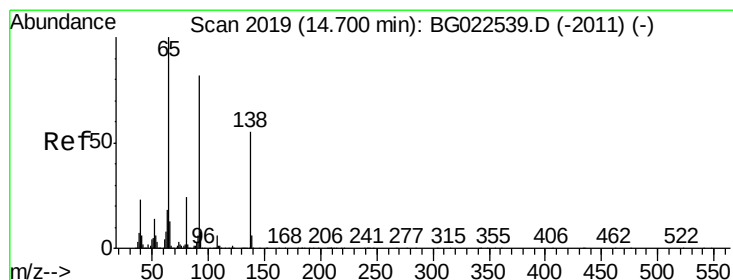
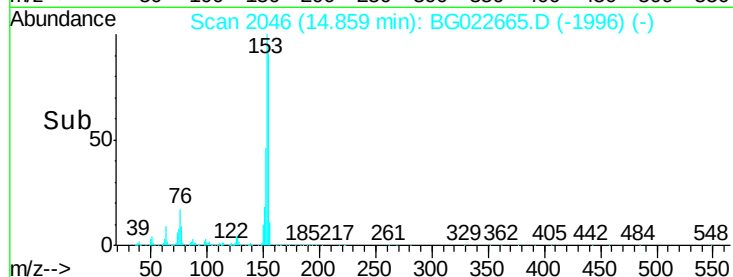
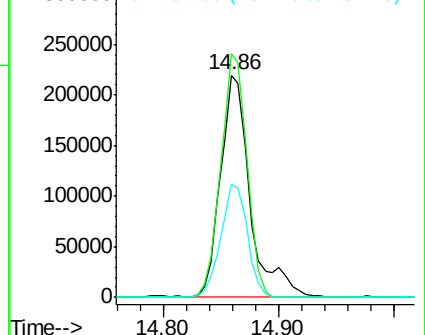
152 50.7 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.32 ng

RT: 14.69 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

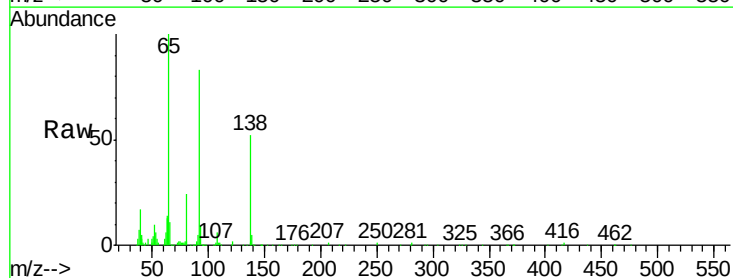
Tgt Ion:138 Resp: 74654

Ion Ratio Lower Upper

138 100

108 11.8 11.7 17.5

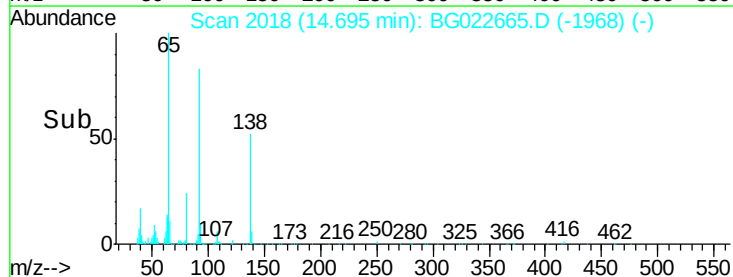
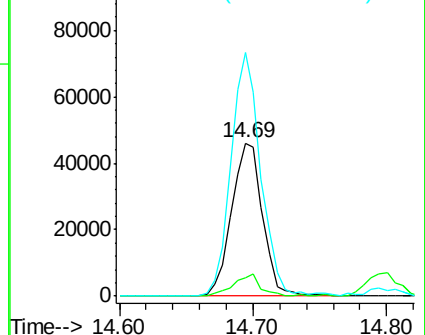
92 159.2 129.7 194.5

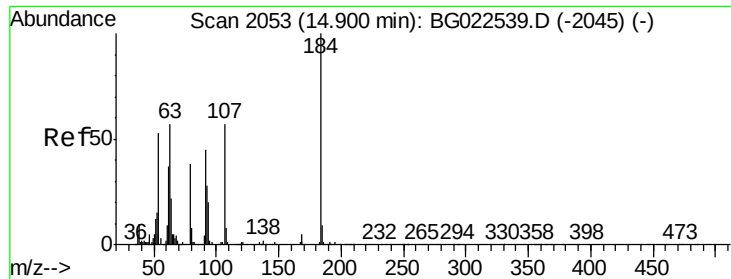


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#53

2,4-Dinitrophenol

Concen: 13.45 ng

RT: 14.90 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

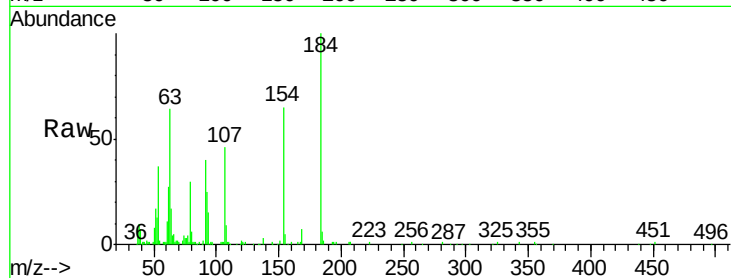
Tot Ion:184 Resp: 64035

Ion Ratio Lower Upper

184 100

63 64.2 59.6 89.4

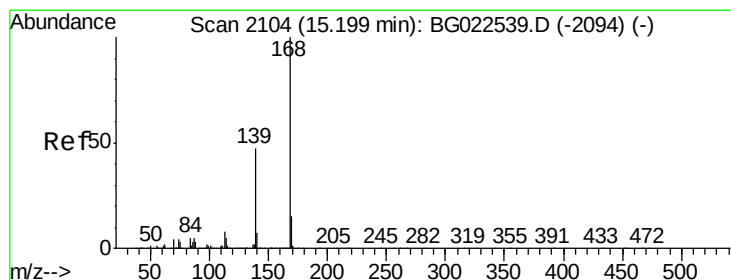
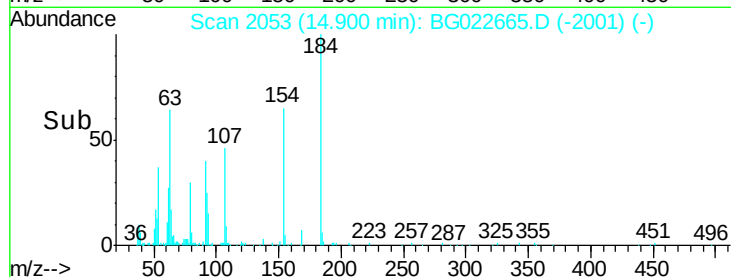
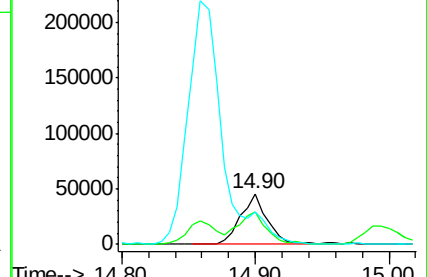
154 64.7 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 14.62 ng

RT: 15.19 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

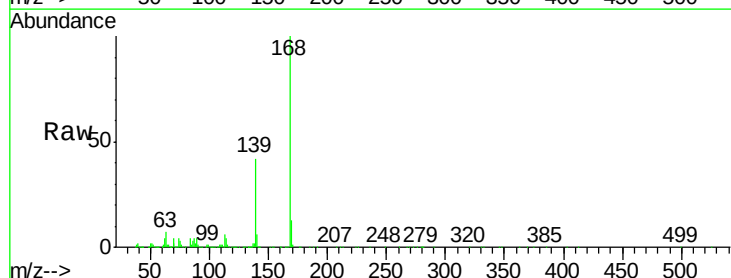
Tgt Ion:168 Resp: 608171

Ion Ratio Lower Upper

168 100

139 42.2 36.4 54.6

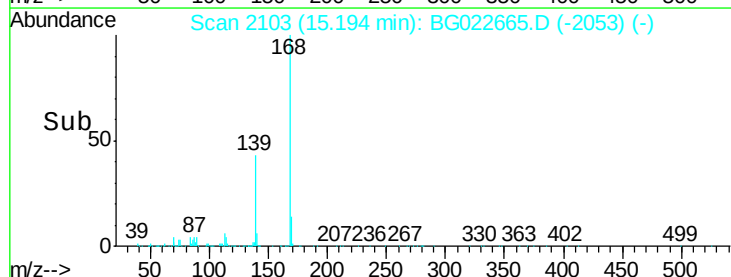
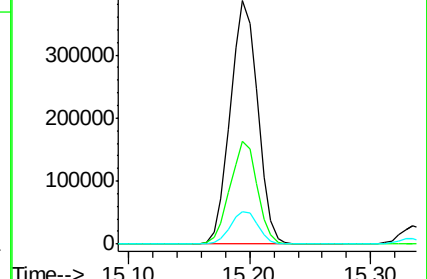
169 13.4 11.9 17.9

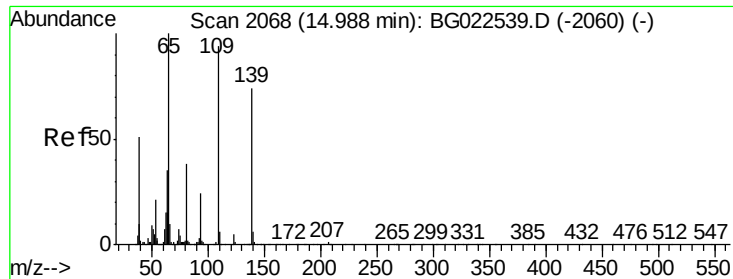


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

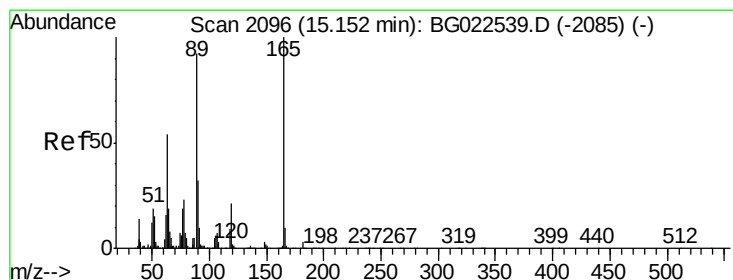
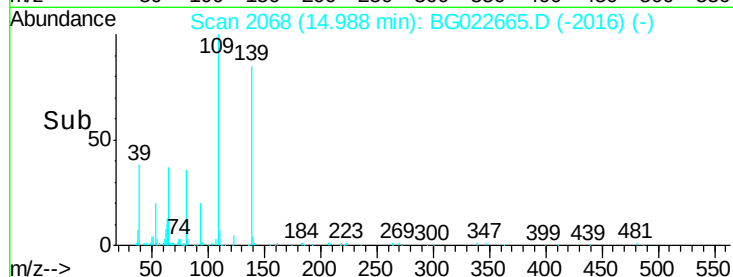
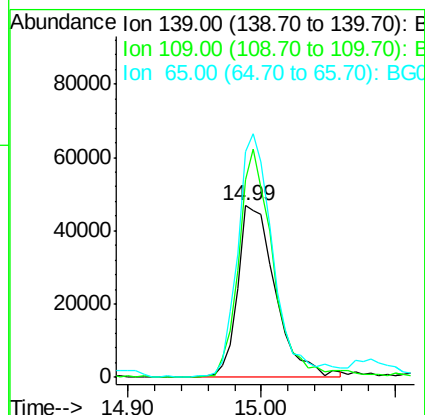
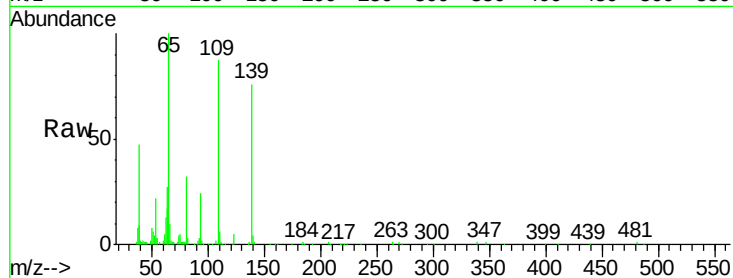




#55
4-Nitrophenol
Concen: 15.03 ng
RT: 14.99 min Scan# 2068
Delta R.T. 0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

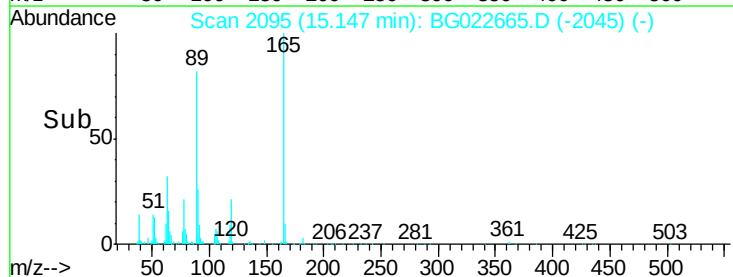
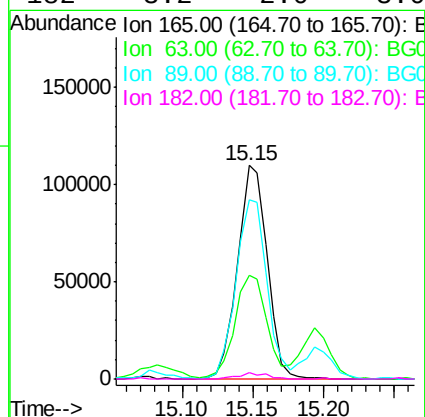
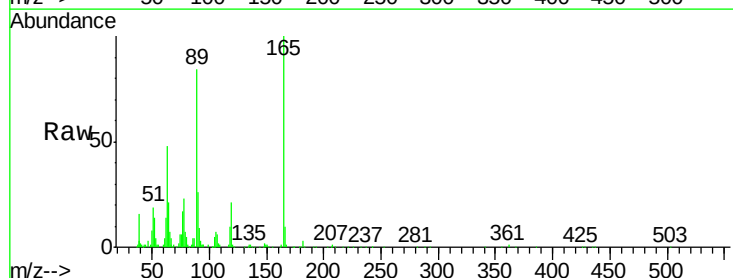
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

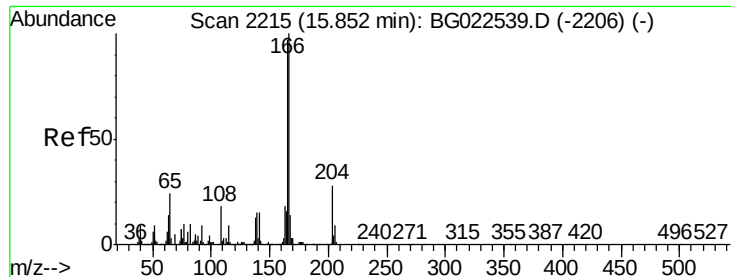
Tot Ion:139 Resp: 91940
Ion Ratio Lower Upper
139 100
109 114.9 103.0 143.0
65 131.7 112.7 152.7



#56
2,4-Dinitrotoluene
Concen: 15.13 ng
RT: 15.15 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:165 Resp: 162012
Ion Ratio Lower Upper
165 100
63 48.5 45.8 68.6
89 83.8 68.6 102.8
182 3.2 2.0 3.0#





#57

Fluorene

Concen: 14.69 ng

RT: 15.85 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

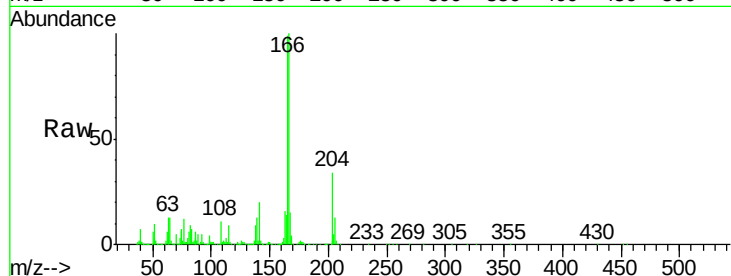
BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:166 Resp: 487727

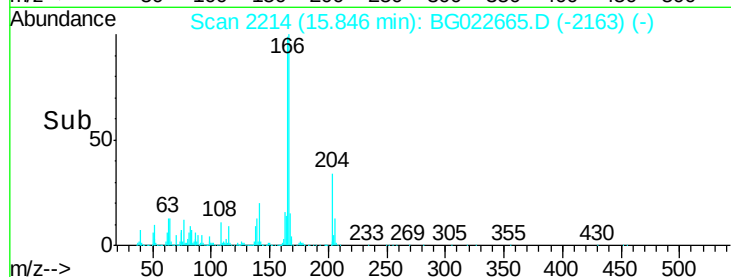
Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.0	121.6
167	14.9	12.0	18.0



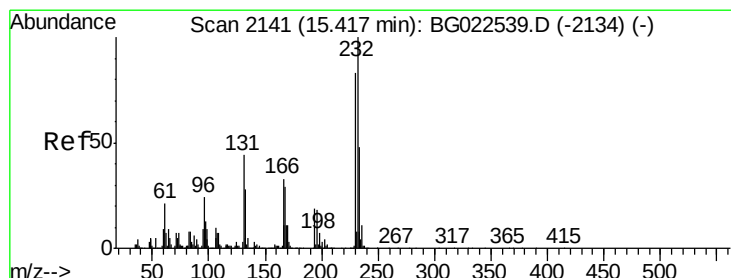
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#58

2,3,4,6-Tetrachlorophenol

Concen: 14.84 ng

RT: 15.42 min Scan# 2141

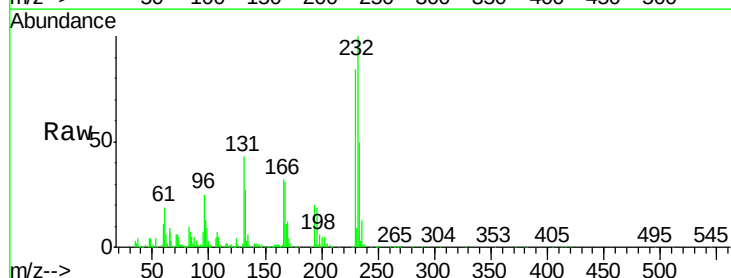
Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Tgt Ion:232 Resp: 167101

Ion	Ratio	Lower	Upper
232	100		
131	41.8	32.7	49.1
130	2.2	2.6	3.8#
166	27.8	23.0	34.6

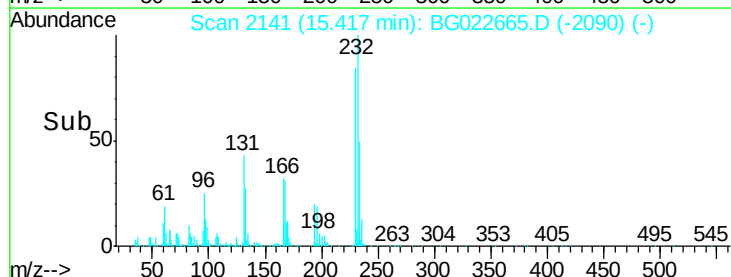


Abundance Ion 232.00 (231.70 to 232.70): E

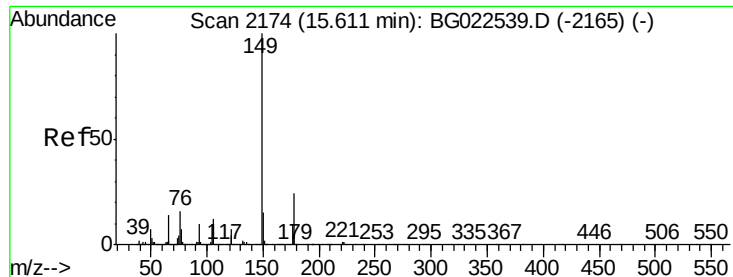
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



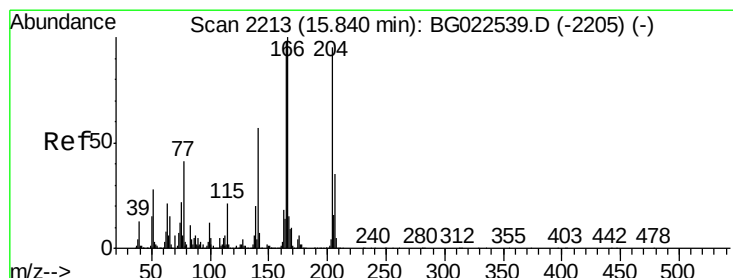
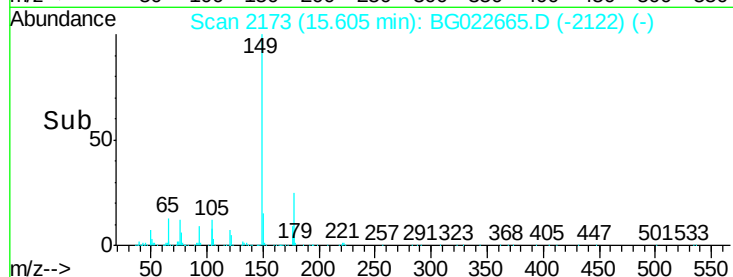
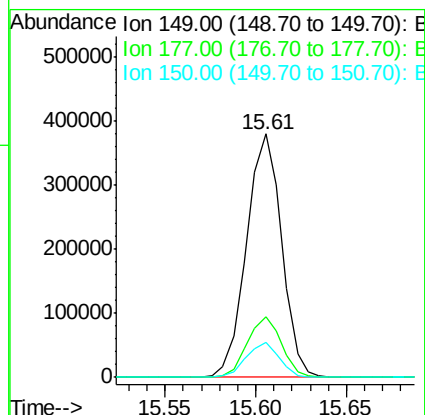
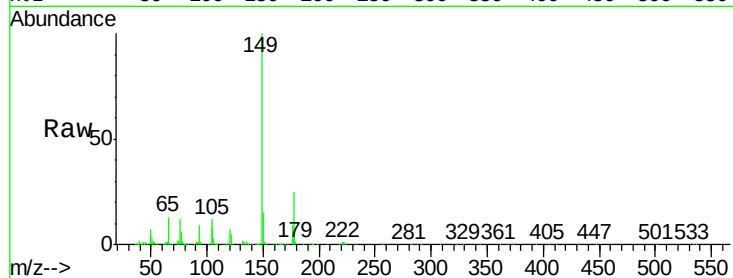
Time-->



#59
Diethylphthalate
Concen: 13.98 ng
RT: 15.61 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

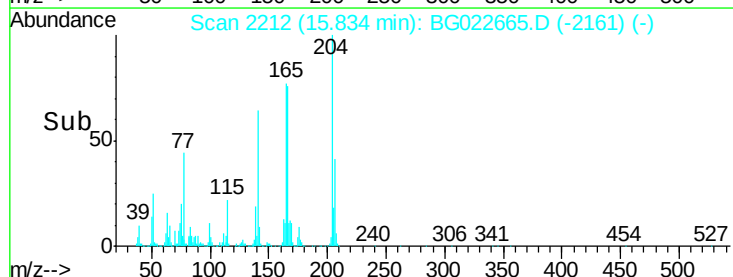
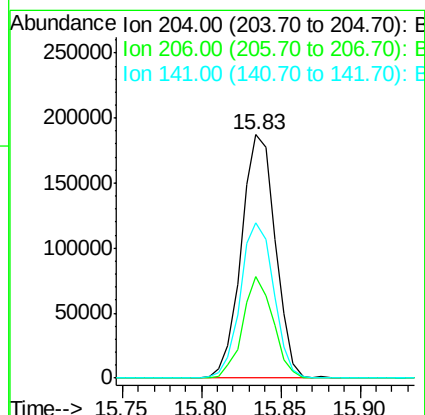
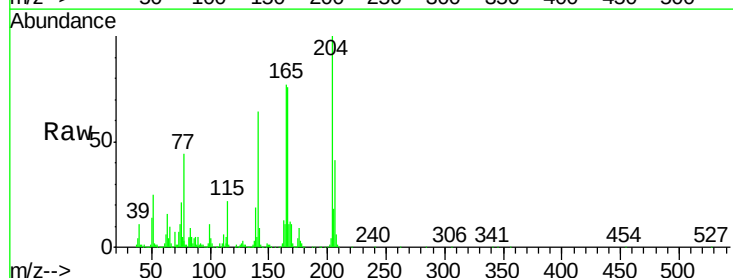
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

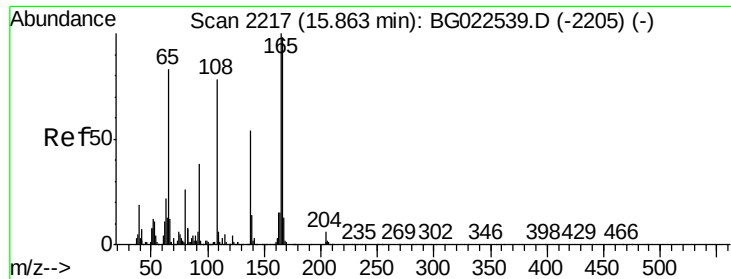
Tot Ion:149 Resp: 511035
Ion Ratio Lower Upper
149 100
177 24.7 19.2 28.8
150 14.6 10.6 16.0



#60
4-Chlorophenyl-phenylether
Concen: 14.09 ng
RT: 15.83 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:204 Resp: 278487
Ion Ratio Lower Upper
204 100
206 41.5 28.5 42.7
141 63.6 51.4 77.0

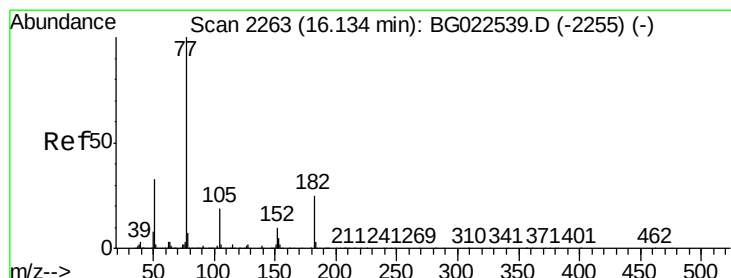
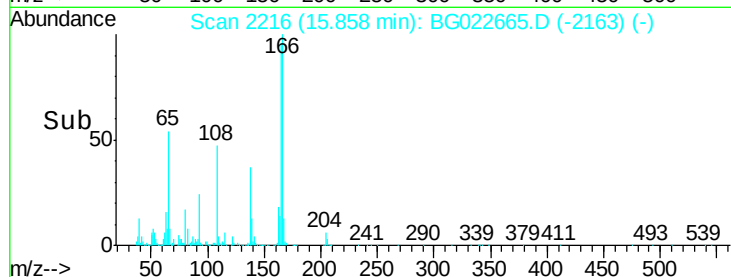
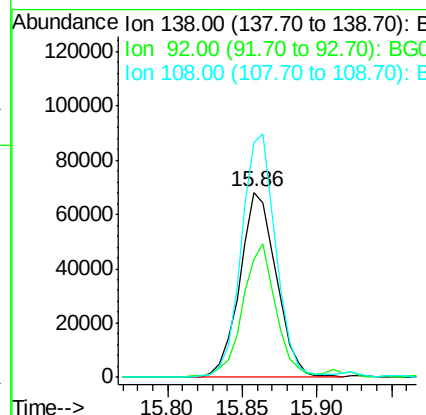
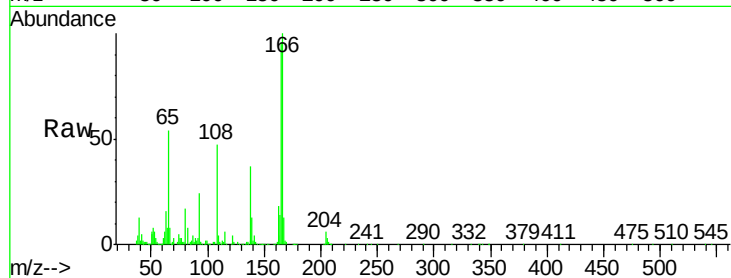




#61
4-Nitroaniline
Concen: 15.45 ng
RT: 15.86 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

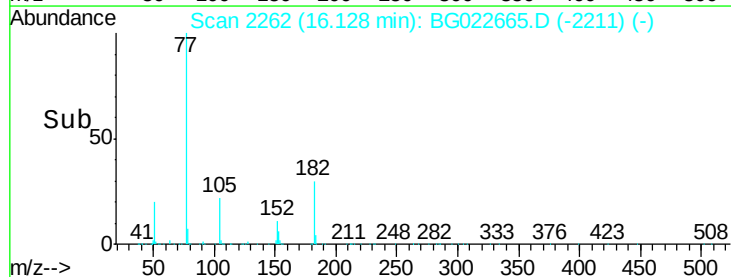
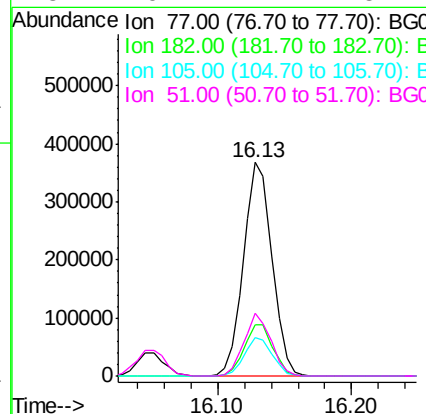
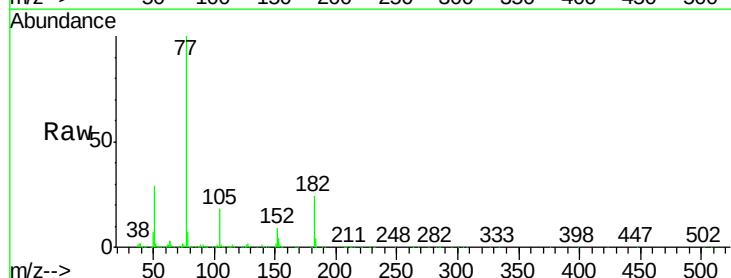
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

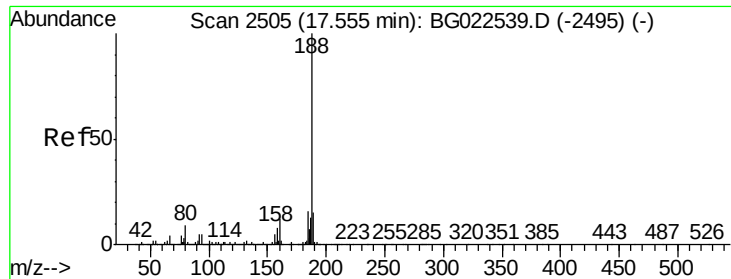
Tot Ion:138 Resp: 115289
Ion Ratio Lower Upper
138 100
92 64.0 54.1 94.1
108 126.9 133.9 173.9#



#62
Azobenzene
Concen: 13.61 ng
RT: 16.13 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion: 77 Resp: 539059
Ion Ratio Lower Upper
77 100
182 24.2 3.5 43.5
105 17.8 0.0 38.5
51 29.4 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

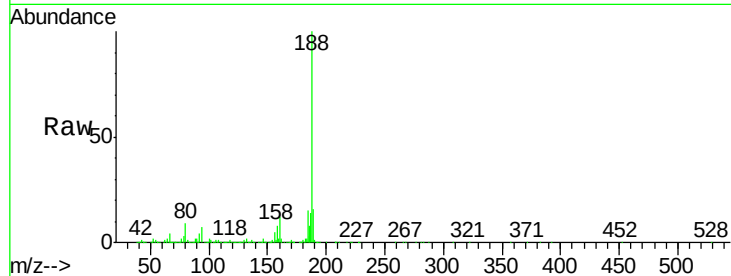
Tot Ion:188 Resp: 1205325

Ion Ratio Lower Upper

188 100

94 6.9 5.2 7.8

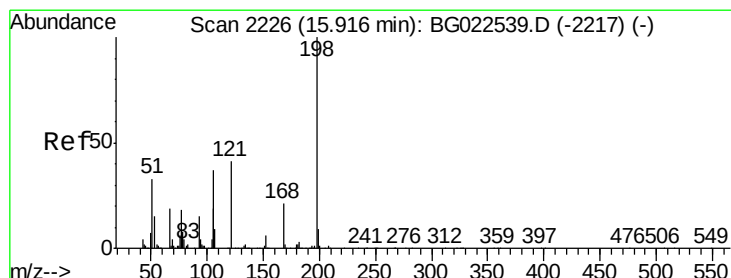
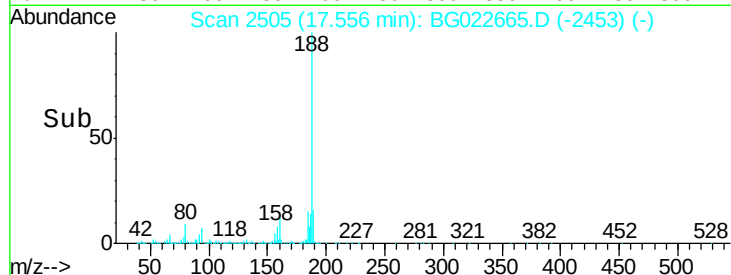
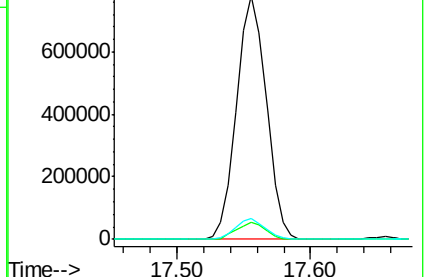
80 8.7 7.2 10.8



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: 12.72 ng

RT: 15.92 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

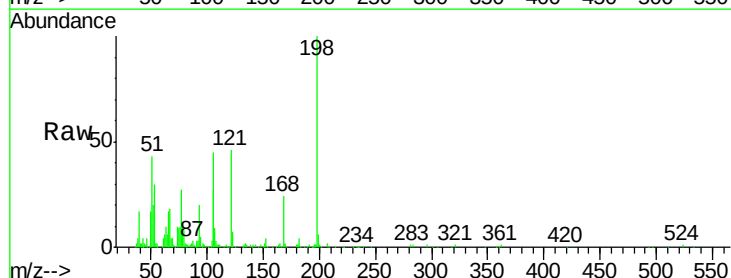
Tgt Ion:198 Resp: 102861

Ion Ratio Lower Upper

198 100

51 43.1 26.0 66.0

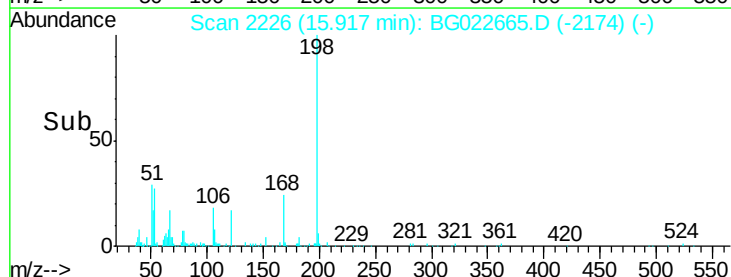
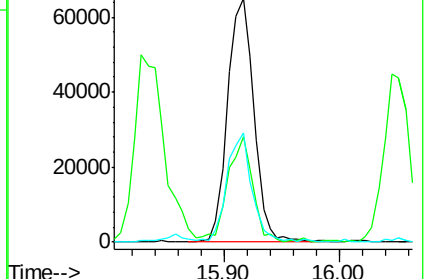
105 44.6 20.1 60.1

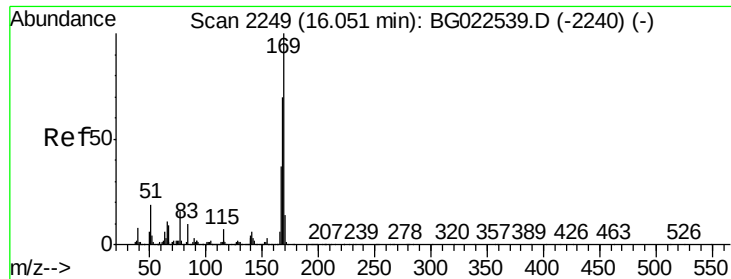


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

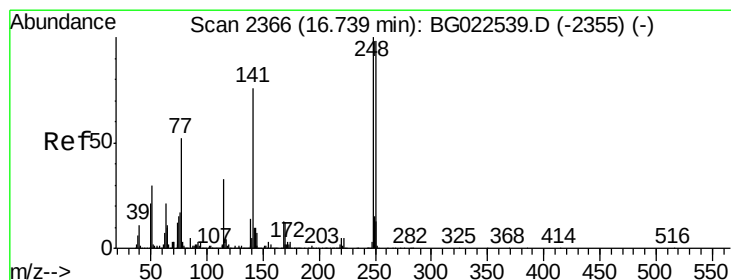
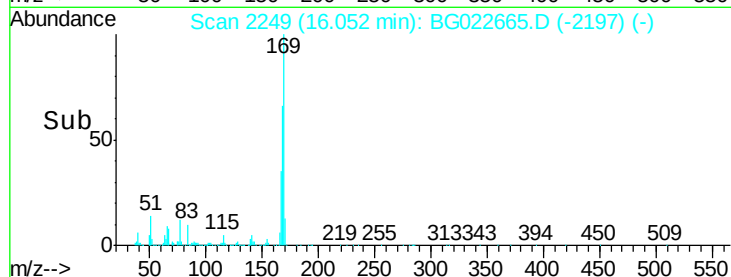
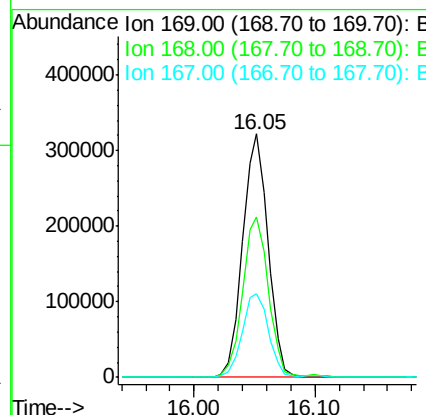
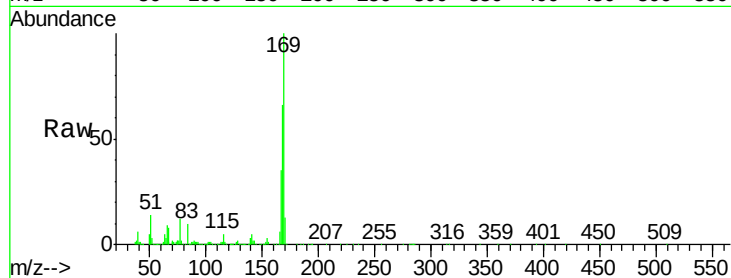




#65
 n-Nitrosodiphenylamine
 Concen: 13.48 ng
 RT: 16.05 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

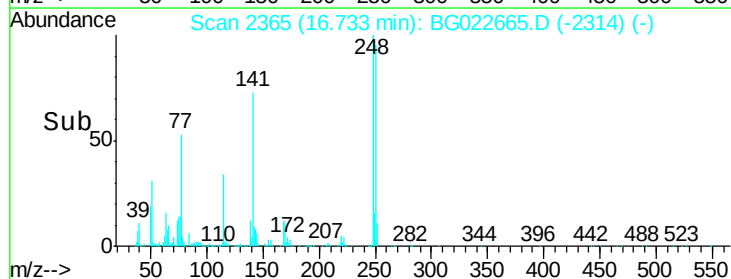
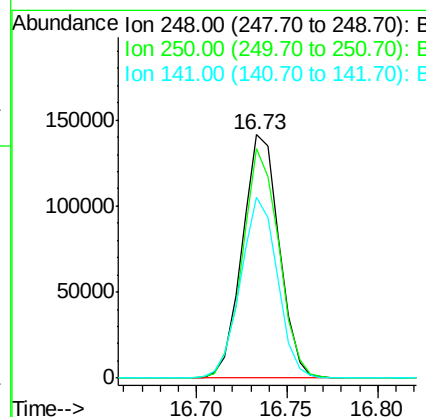
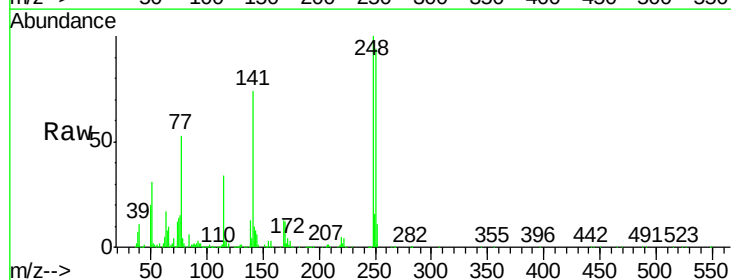
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

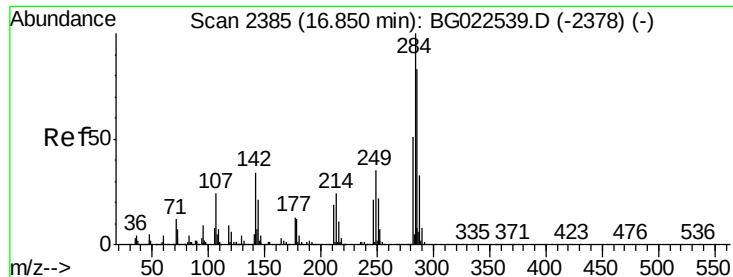
Tot Ion:169 Resp: 472825
 Ion Ratio Lower Upper
 169 100
 168 66.0 55.0 82.4
 167 34.6 27.4 41.0



#66
 4-Bromophenyl-phenylether
 Concen: 12.79 ng
 RT: 16.73 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

Tgt Ion:248 Resp: 200009
 Ion Ratio Lower Upper
 248 100
 250 94.3 77.8 116.8
 141 74.1 65.7 98.5





#67

Hexachlorobenzene

Concen: 12.35 ng

RT: 16.86 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

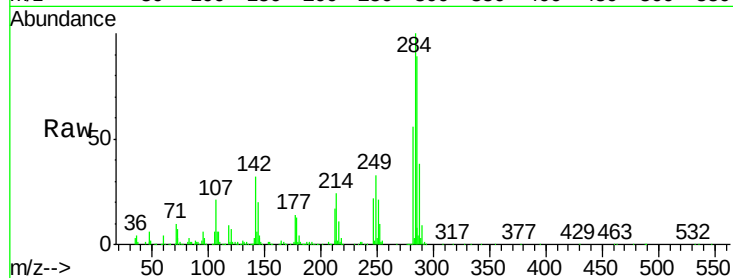
Tot Ion:284 Resp: 204223

Ion Ratio Lower Upper

284 100

142 31.7 26.8 40.2

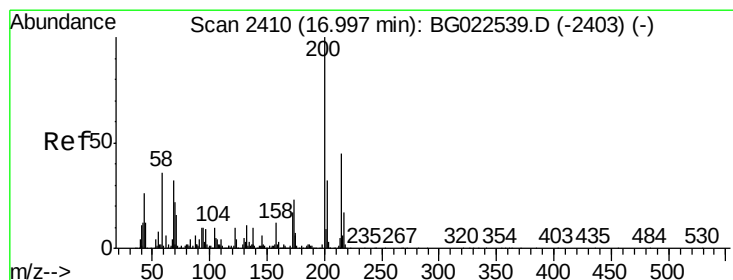
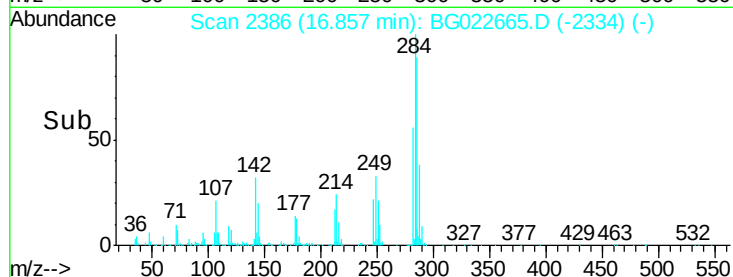
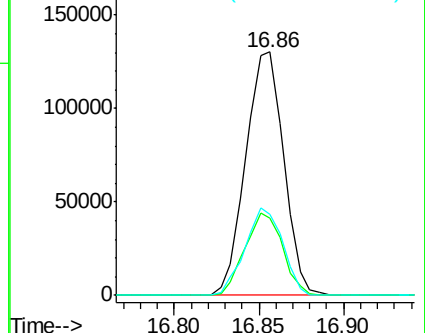
249 33.1 28.9 43.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 14.44 ng

RT: 17.00 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

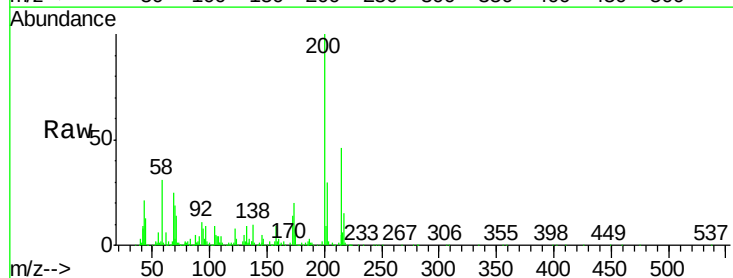
Tgt Ion:200 Resp: 213869

Ion Ratio Lower Upper

200 100

173 20.2 1.6 41.6

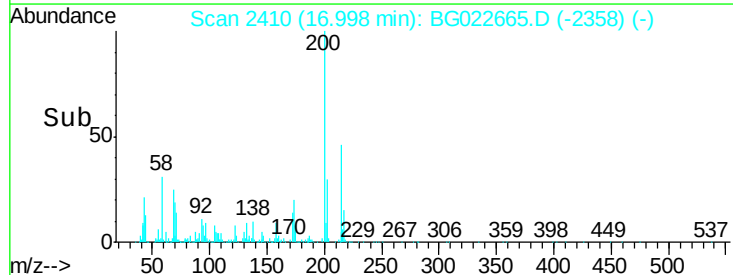
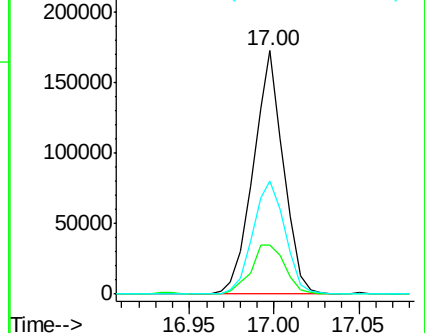
215 46.3 28.7 68.7

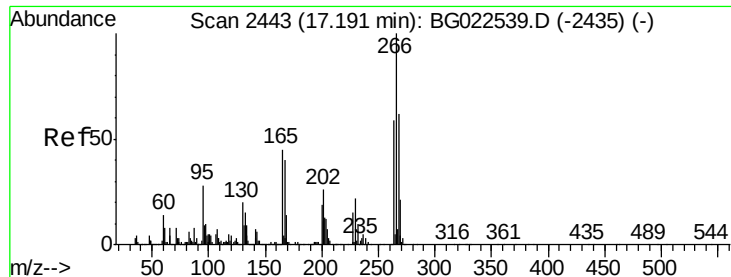


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 11.77 ng

RT: 17.20 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

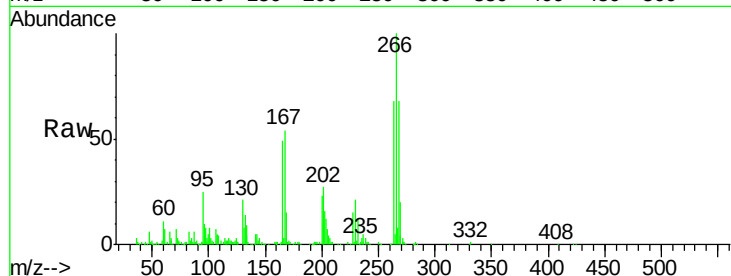
Tot Ion:266 Resp: 133922

Ion Ratio Lower Upper

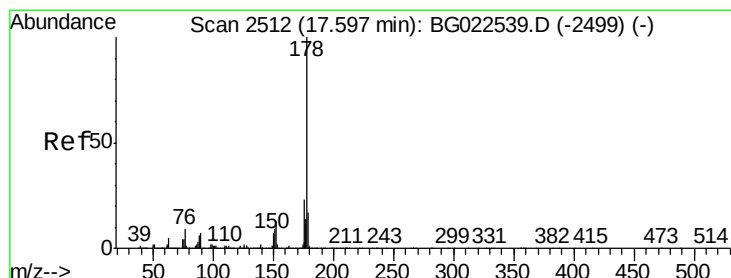
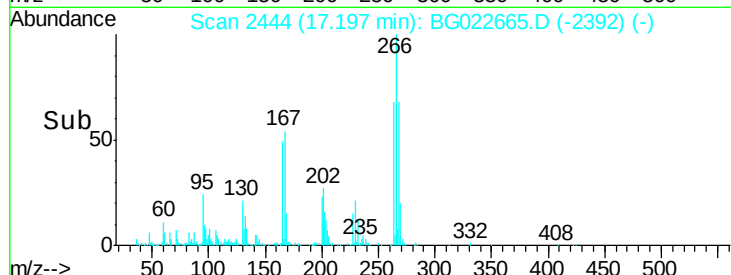
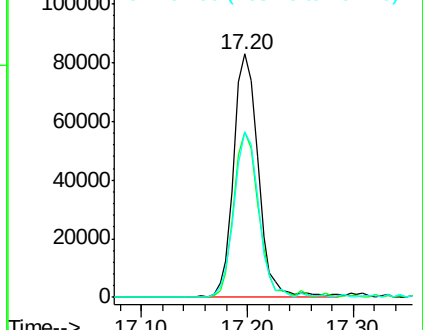
266 100

268 71.8 51.9 77.9

264 67.9 50.6 75.8



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



#70

Phenanthrene

Concen: 14.16 ng

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

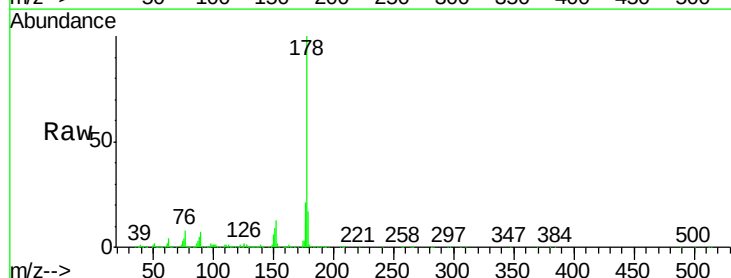
Tgt Ion:178 Resp: 870624

Ion Ratio Lower Upper

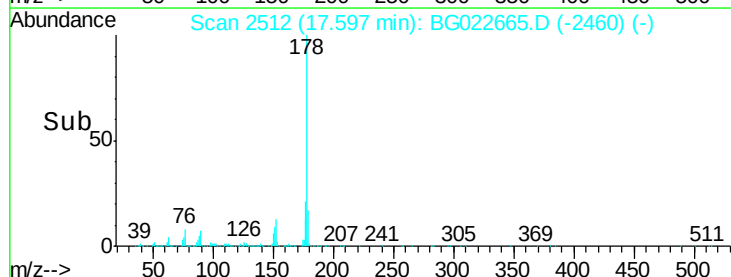
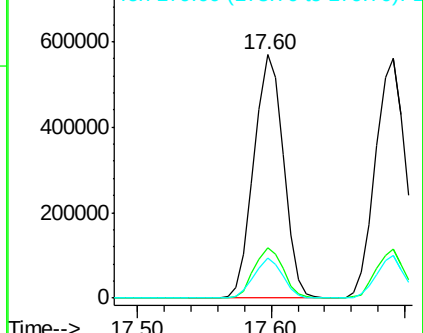
178 100

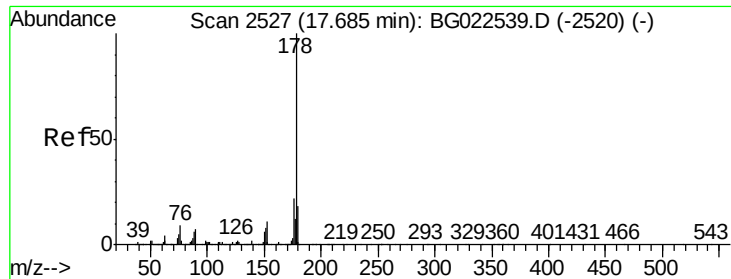
176 20.7 16.8 25.2

179 16.6 14.3 21.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 13.80 ng

RT: 17.69 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

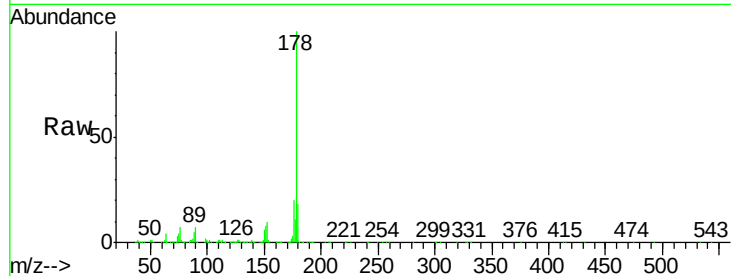
Tot Ion:178 Resp: 873320

Ion Ratio Lower Upper

178 100

176 20.3 17.3 25.9

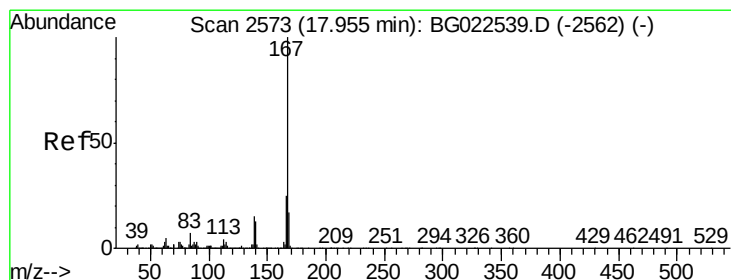
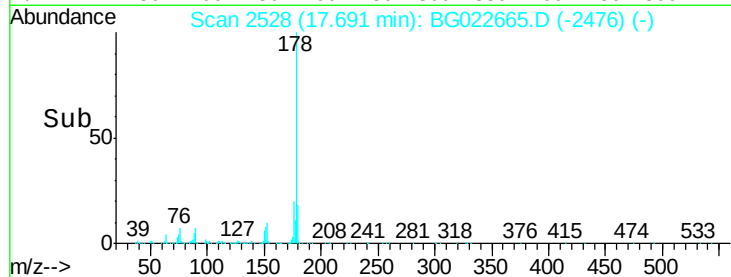
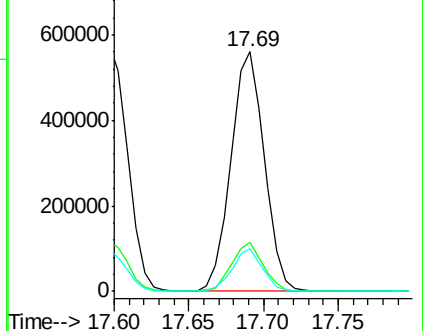
179 17.9 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 14.47 ng

RT: 17.96 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

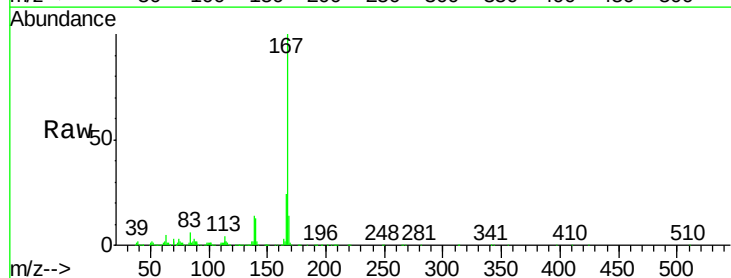
Tgt Ion:167 Resp: 776033

Ion Ratio Lower Upper

167 100

166 24.3 20.7 31.1

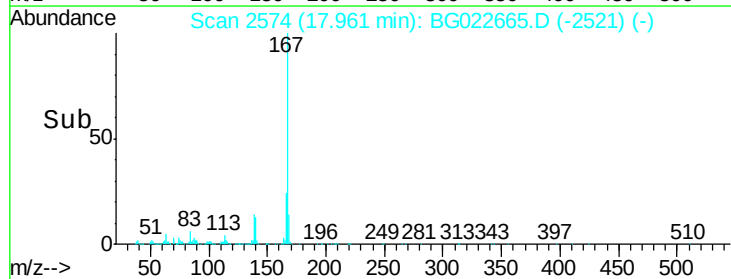
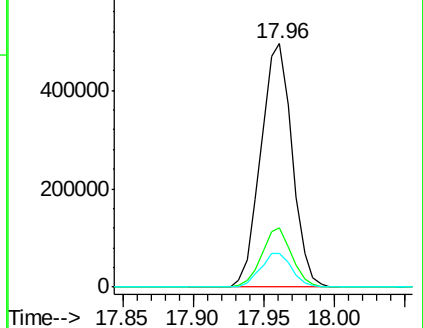
139 13.6 11.9 17.9

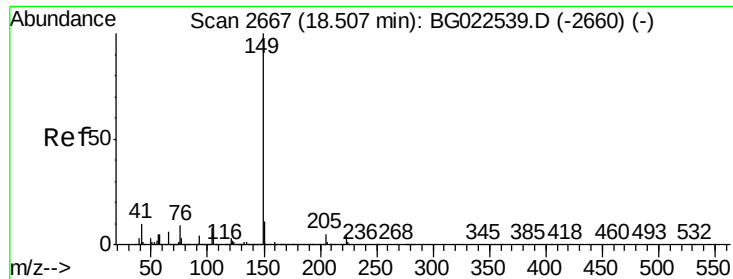


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 14.63 ng

RT: 18.51 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

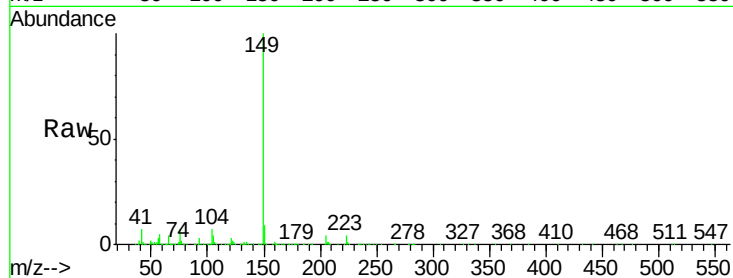
Tot Ion:149 Resp: 913499

Ion Ratio Lower Upper

149 100

150 9.0 9.1 13.7#

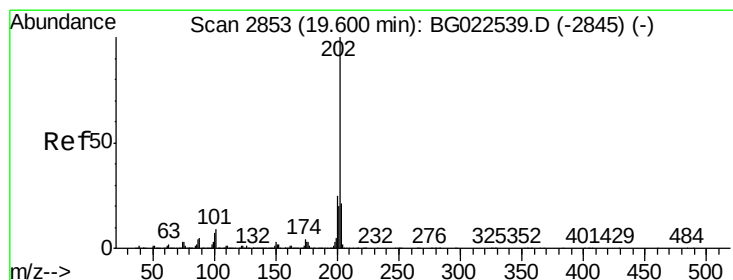
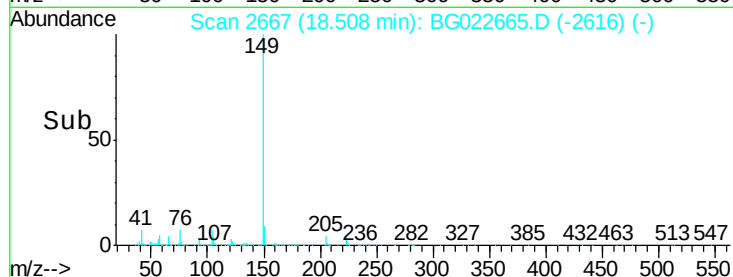
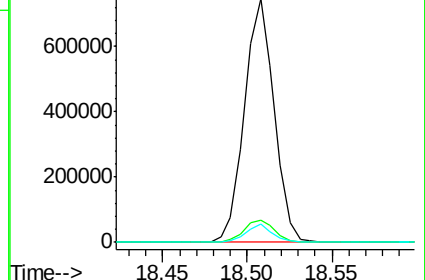
104 7.4 6.9 10.3



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



#74

Fluoranthene

Concen: 15.51 ng

RT: 19.60 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

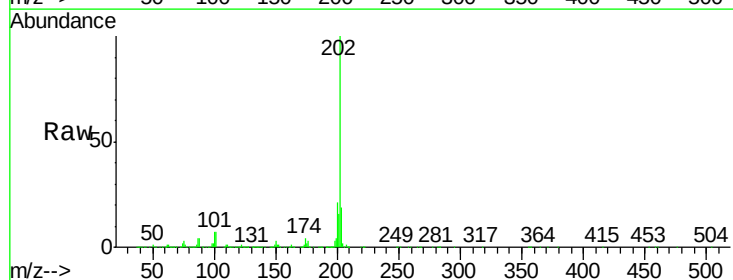
Tgt Ion:202 Resp: 1098512

Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.4

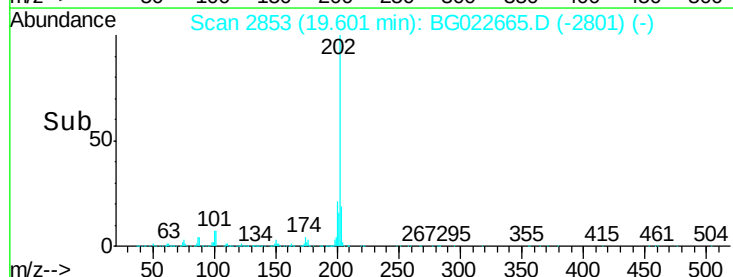
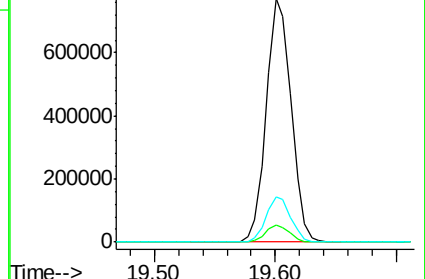
203 18.8 1.7 41.7

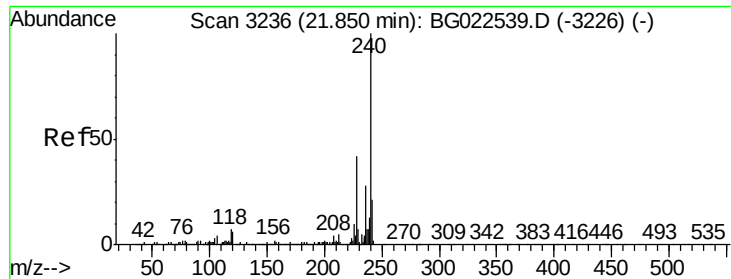


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

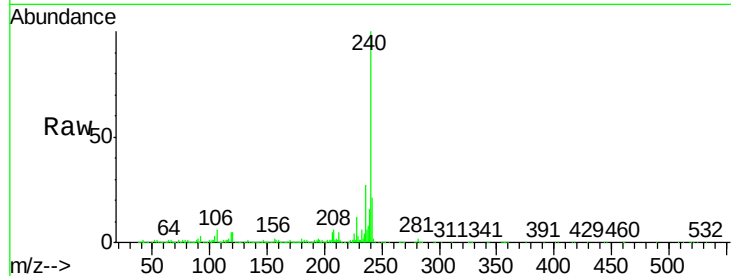
Tot Ion:240 Resp: 1368029

Ion Ratio Lower Upper

240 100

120 5.2 4.1 6.1

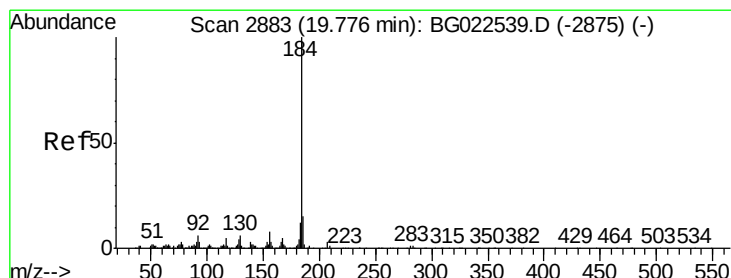
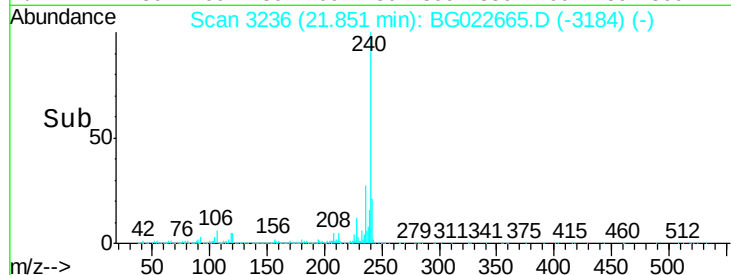
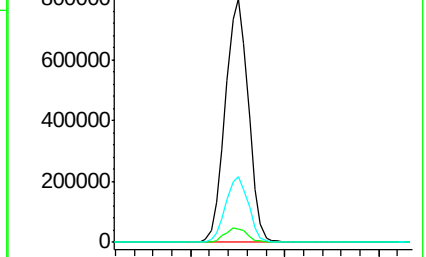
236 26.9 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 14.05 ng

RT: 19.78 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

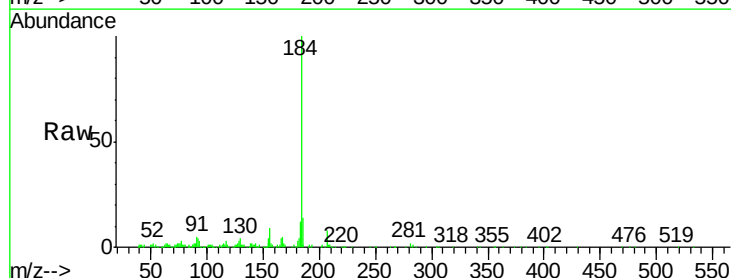
Tgt Ion:184 Resp: 204661

Ion Ratio Lower Upper

184 100

185 14.2 12.6 19.0

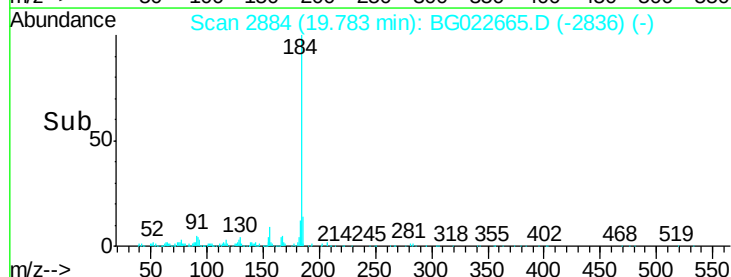
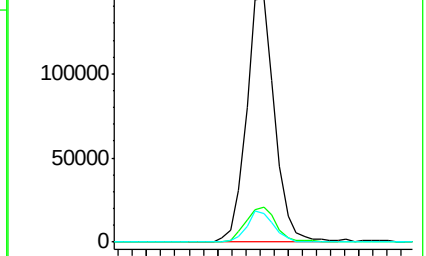
183 11.7 10.7 16.1

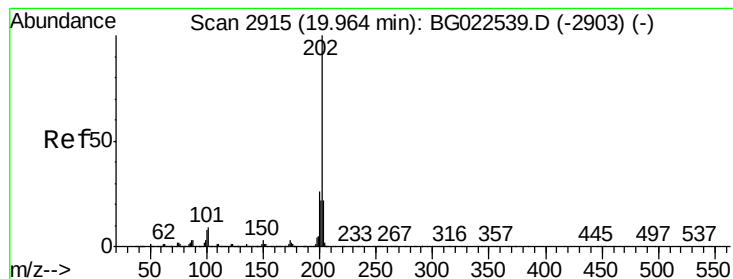


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 15.34 ng

RT: 19.96 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

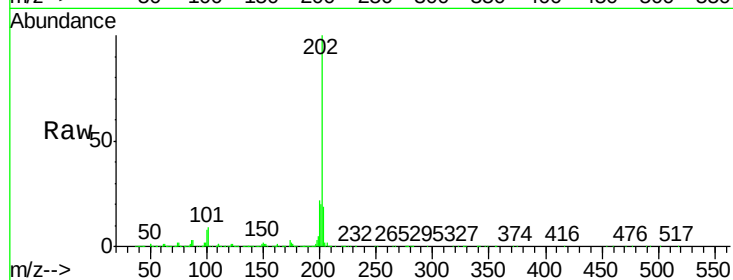
BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:202 Resp: 1117466

Ion	Ratio	Lower	Upper
202	100		
200	22.1	21.2	31.8
203	19.0	16.8	25.2

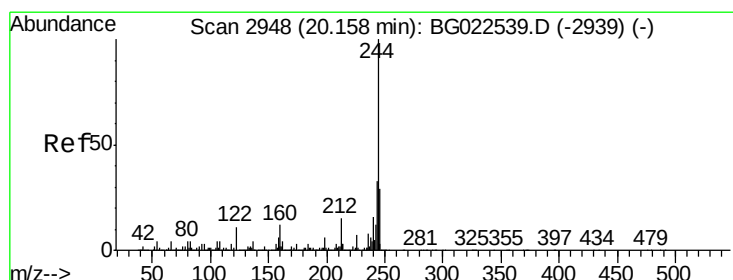
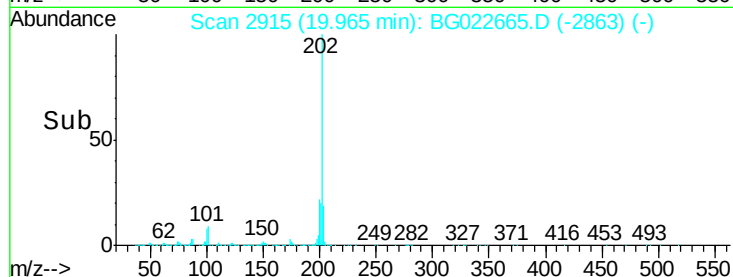
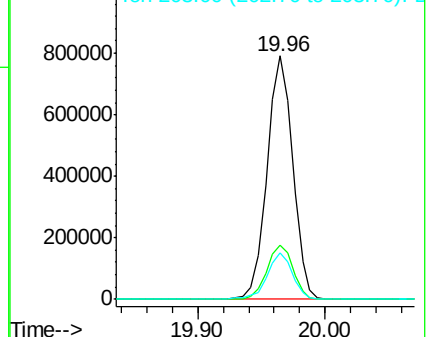


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.38 ng

RT: 20.16 min Scan# 2948

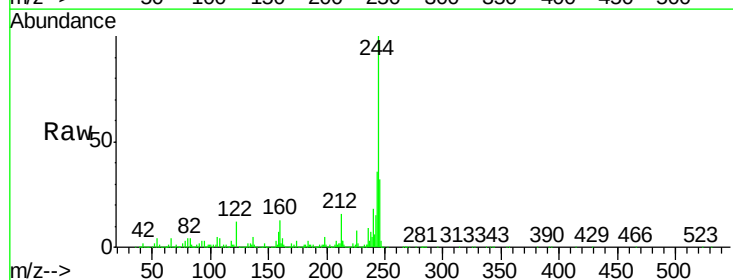
Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Tgt Ion:244 Resp: 3117785

Ion	Ratio	Lower	Upper
244	100		
212	15.5	10.8	16.2
122	11.6	8.0	12.0

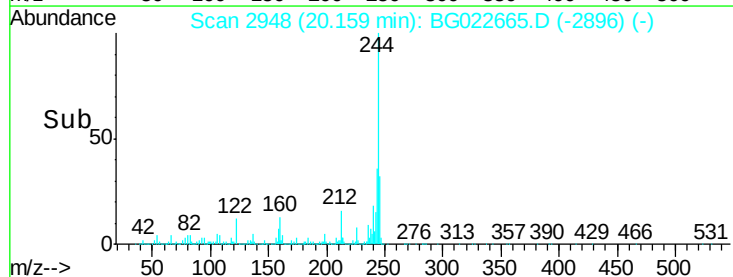
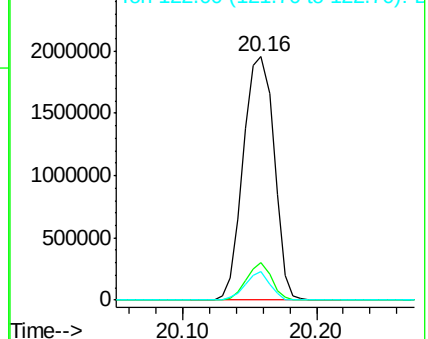


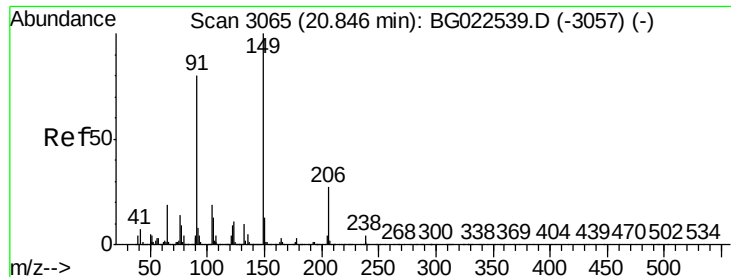
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

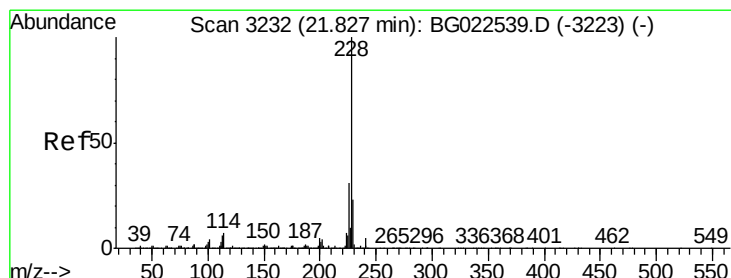
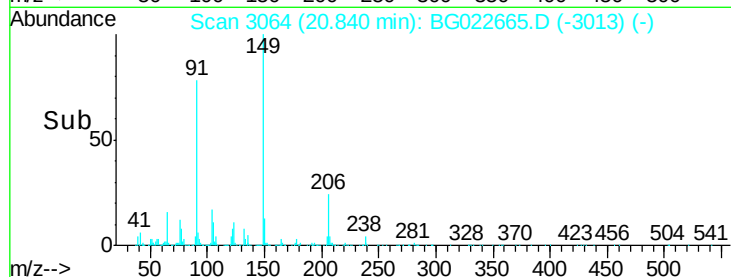
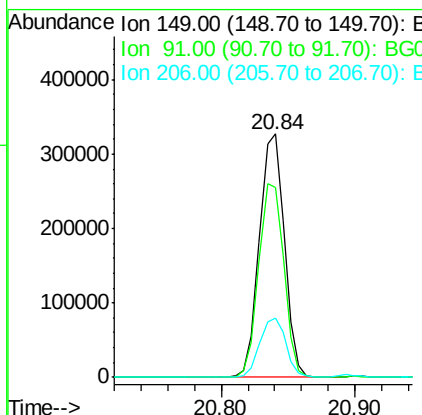
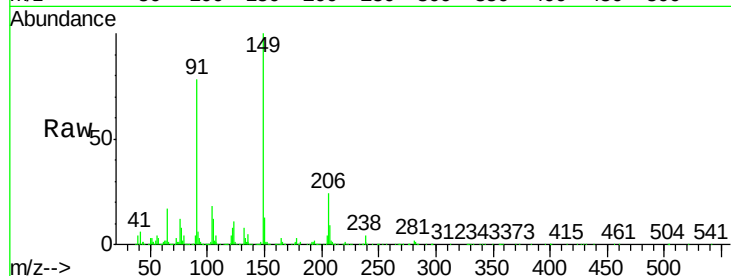




#79
Butylbenzylphthalate
Concen: 13.35 ng
RT: 20.84 min Scan# 3064
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

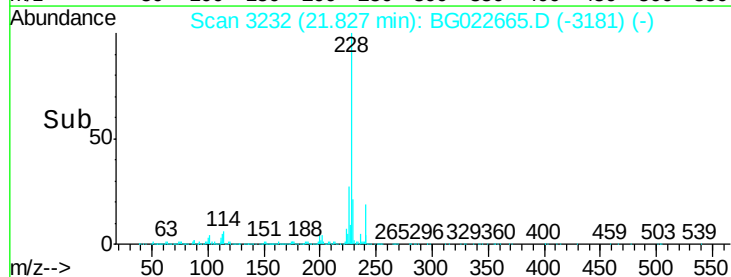
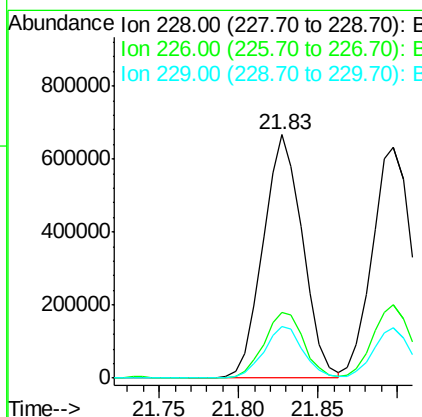
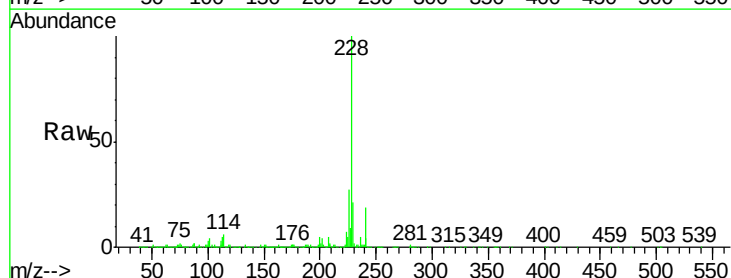
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

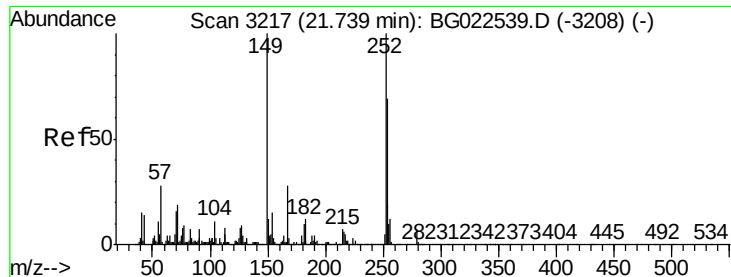
Tot Ion:149 Resp: 421122
Ion Ratio Lower Upper
149 100
91 78.2 68.1 102.1
206 24.3 19.8 29.6



#80
Benzo(a)anthracene
Concen: 15.25 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.00 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:228 Resp: 1154386
Ion Ratio Lower Upper
228 100
226 27.0 25.3 37.9
229 21.1 19.9 29.9

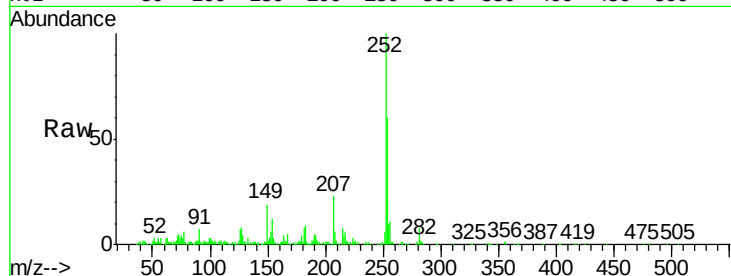




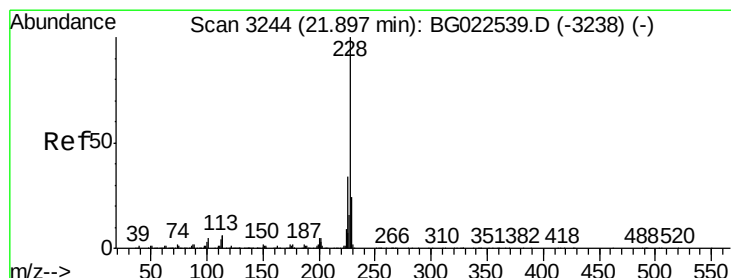
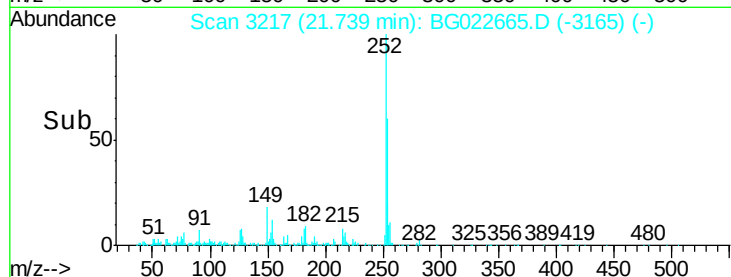
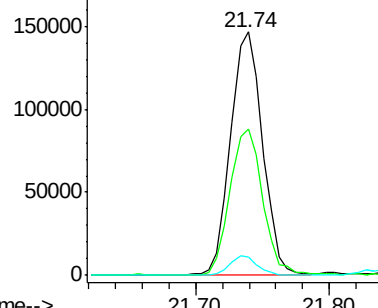
#81
 3,3'-Dichlorobenzidine
 Concen: 7.77 ng
 RT: 21.74 min Scan# 3217
 Delta R.T. 0.01 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
252	100		
254	60.2	51.2	76.8
126	7.4	5.3	7.9

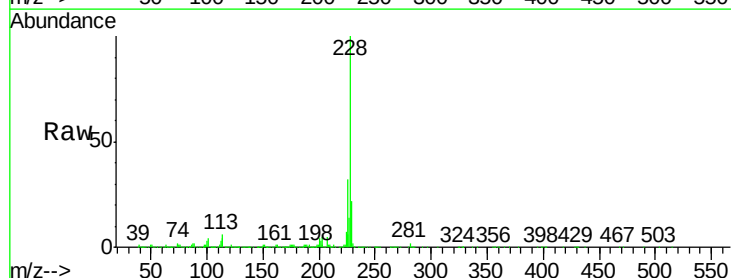


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

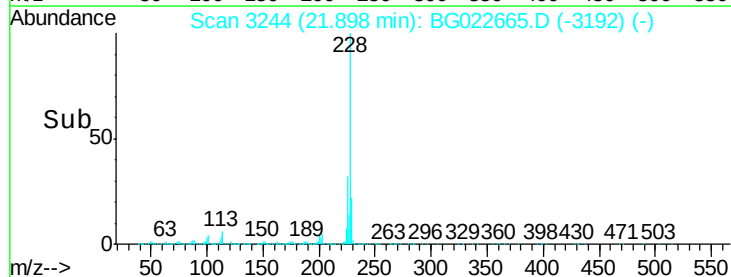
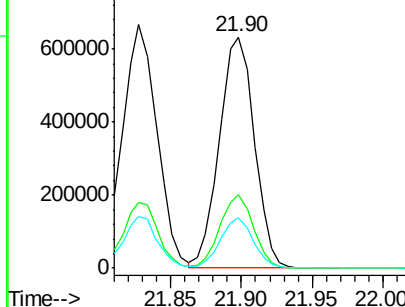


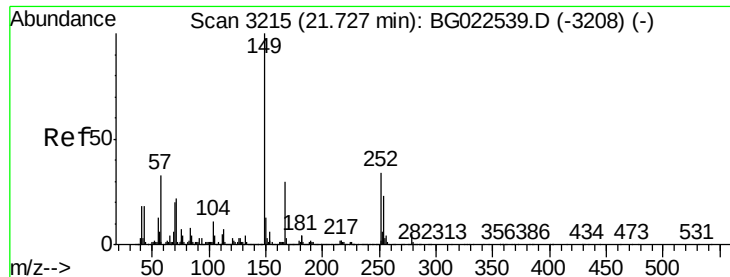
#82
 Chrysene
 Concen: 15.37 ng
 RT: 21.90 min Scan# 3244
 Delta R.T. 0.01 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	26.7	40.1
229	22.0	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: 12.89 ng

RT: 21.72 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

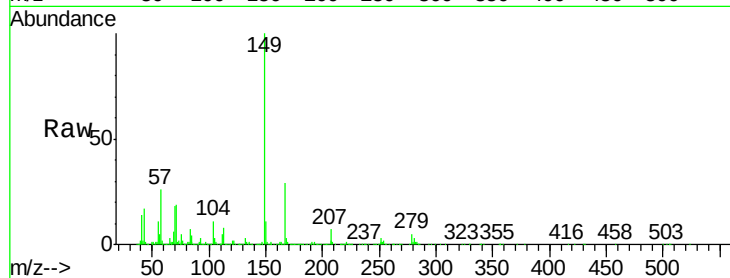
Tot Ion:149 Resp: 572301

Ion Ratio Lower Upper

149 100

167 29.1 24.0 36.0

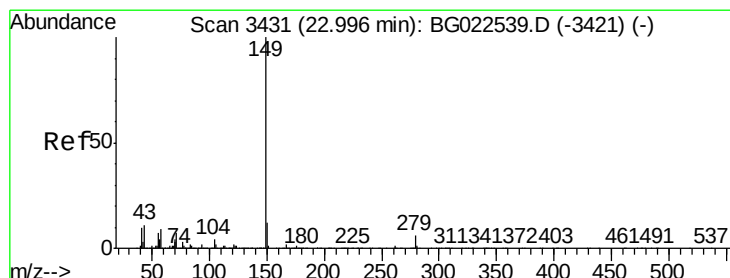
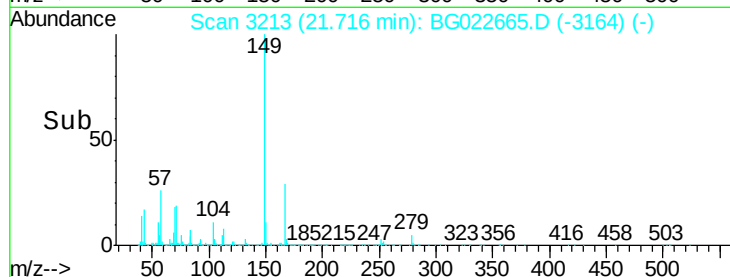
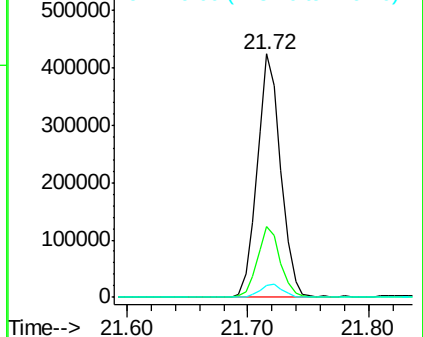
279 5.0 4.8 7.2



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: 13.61 ng

RT: 22.98 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

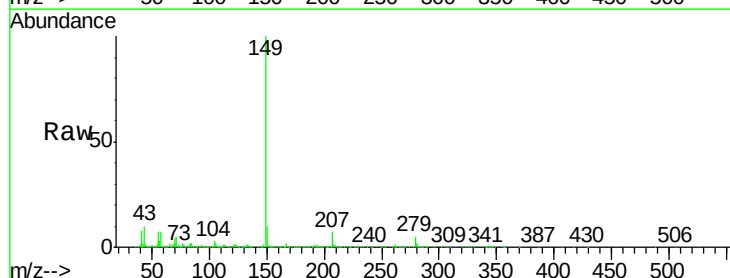
Tgt Ion:149 Resp: 996137

Ion Ratio Lower Upper

149 100

167 2.0 1.5 2.3

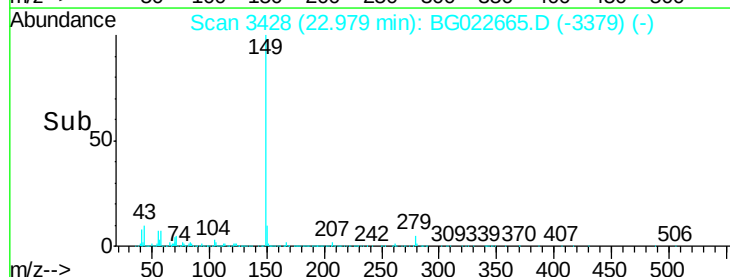
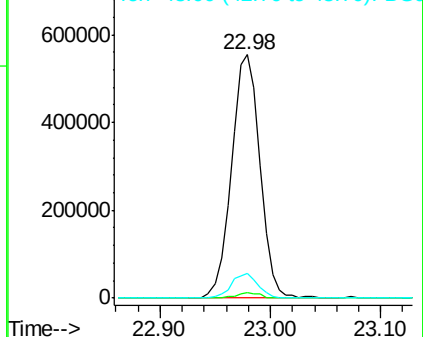
43 9.5 8.8 13.2

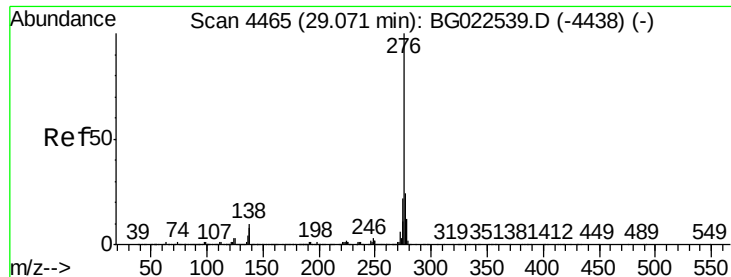


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

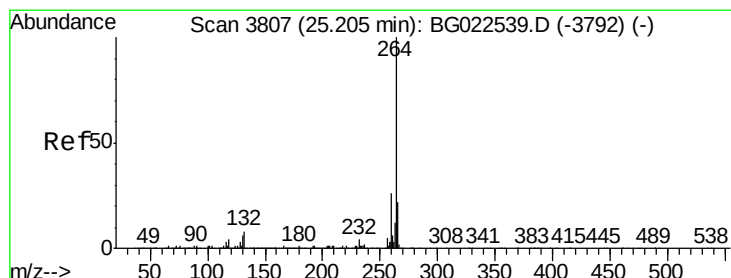
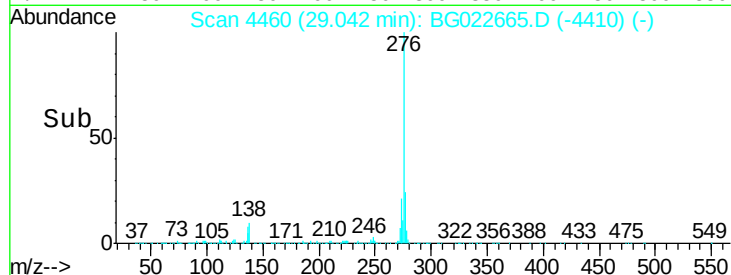
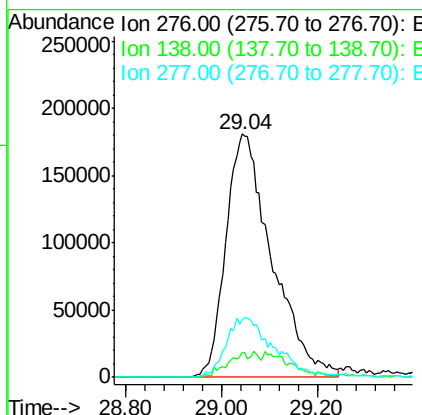
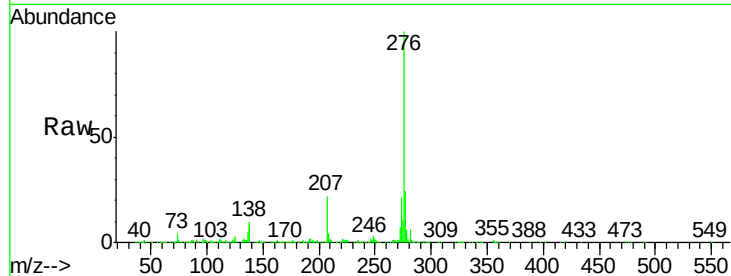




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.92 ng
 RT: 29.04 min Scan# 4460
 Delta R.T. -0.01 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

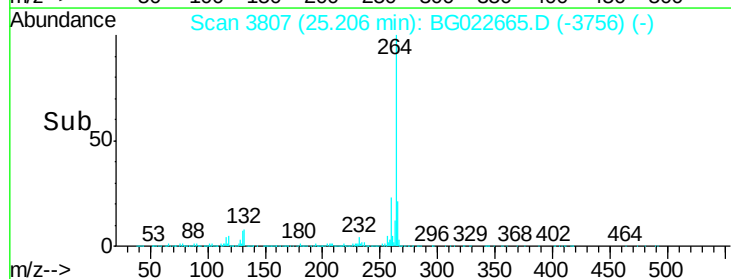
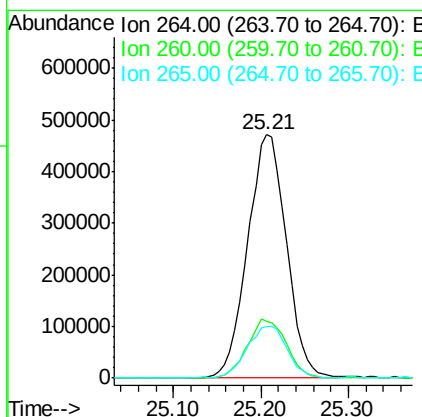
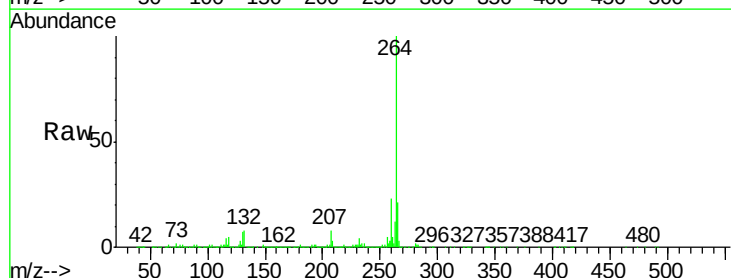
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

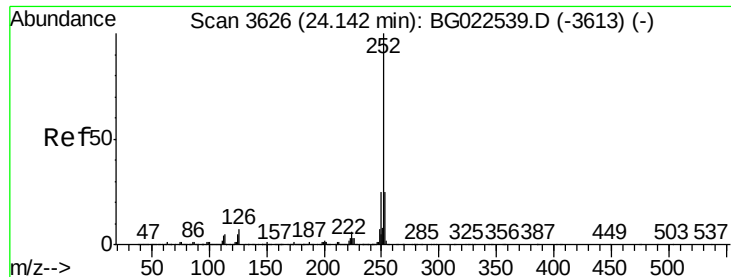
Tot Ion:276 Resp: 1208100
 Ion Ratio Lower Upper
 276 100
 138 4.6 0.0 0.0#
 277 24.8 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.21 min Scan# 3807
 Delta R.T. -0.00 min
 Lab File: BG022665.D
 Acq: 28 Jun 2016 5:58

Tgt Ion:264 Resp: 1425664
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 21.1 18.9 28.3

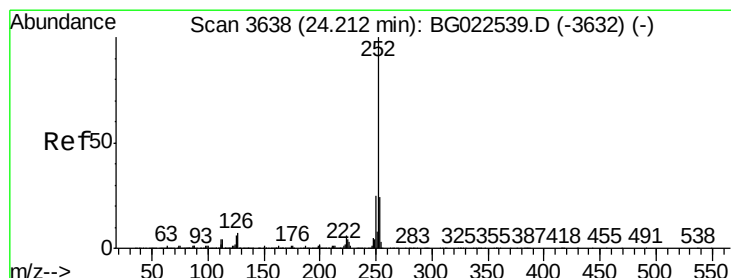
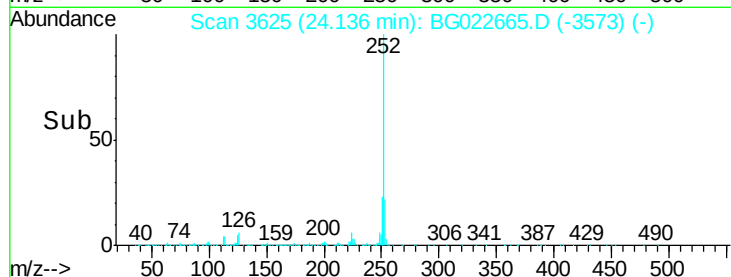
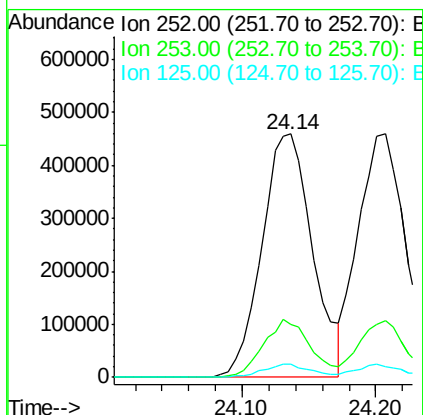
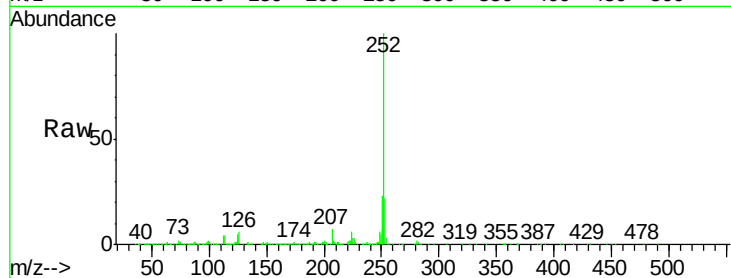




#87
Benzo(b)fluoranthene
Concen: 14.08 ng
RT: 24.14 min Scan# 3625
Delta R.T. 0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

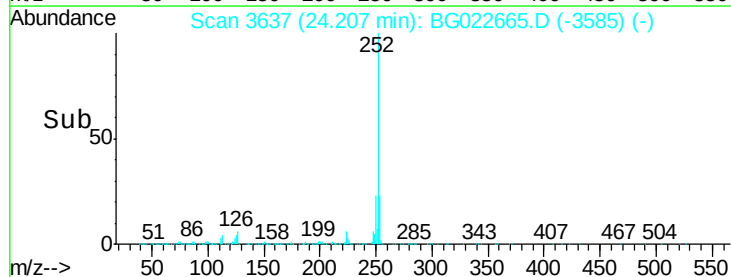
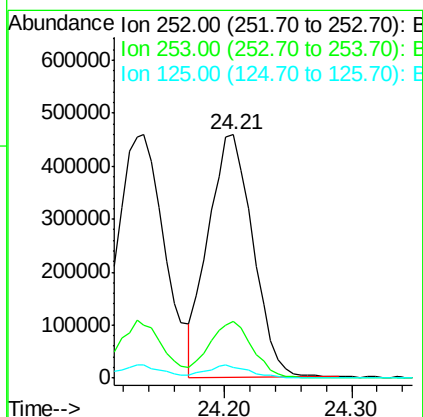
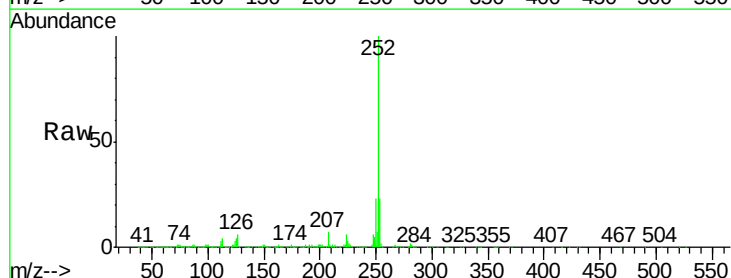
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

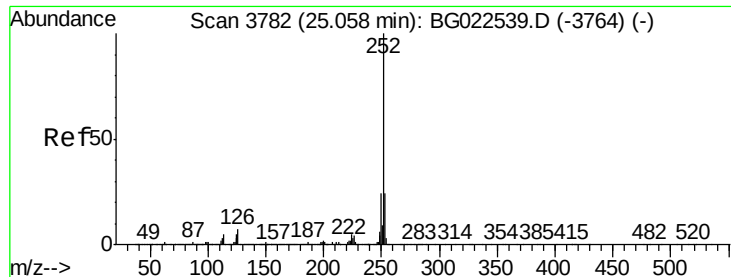
Tot Ion:252 Resp: 1206943
Ion Ratio Lower Upper
252 100
253 21.7 18.9 28.3
125 5.4 3.9 5.9



#88
Benzo(k)fluoranthene
Concen: 13.77 ng
RT: 24.21 min Scan# 3637
Delta R.T. 0.01 min
Lab File: BG022665.D
Acq: 28 Jun 2016 5:58

Tgt Ion:252 Resp: 1115835
Ion Ratio Lower Upper
252 100
253 23.1 18.8 28.2
125 4.3 3.2 4.8





#89

Benzo(a)pyrene

Concen: 13.62 ng

RT: 25.05 min Scan# 3780

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

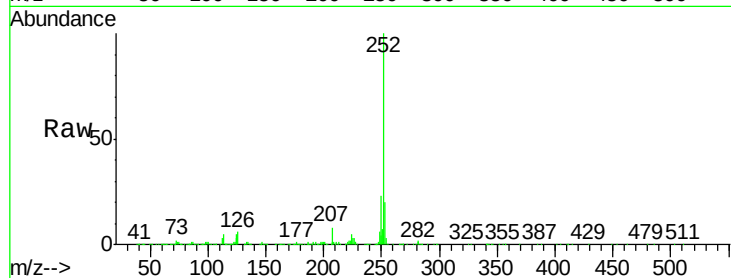
BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:252 Resp: 1138662

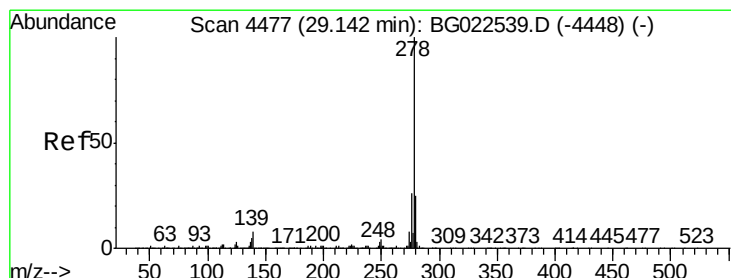
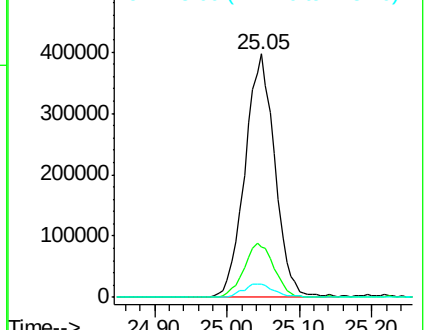
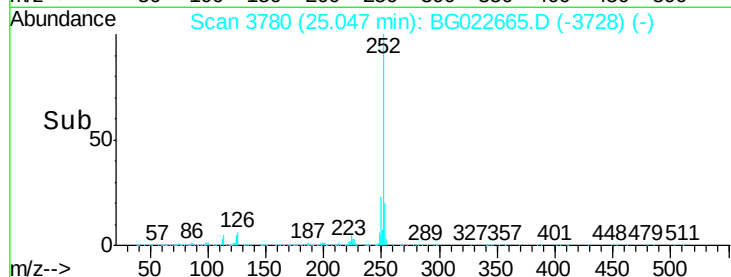
Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.7	28.1
125	5.2	3.9	5.9



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: 12.32 ng

RT: 29.12 min Scan# 4473

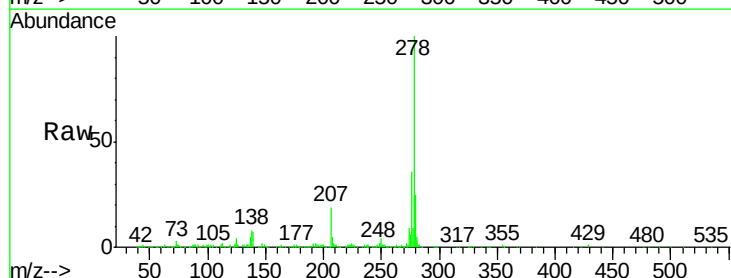
Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Tgt Ion:278 Resp: 969146

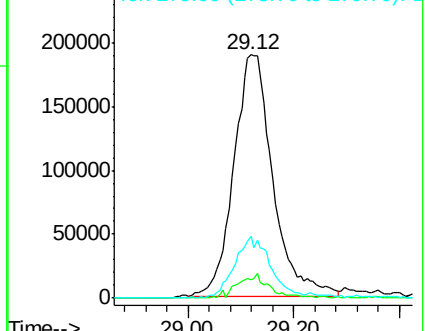
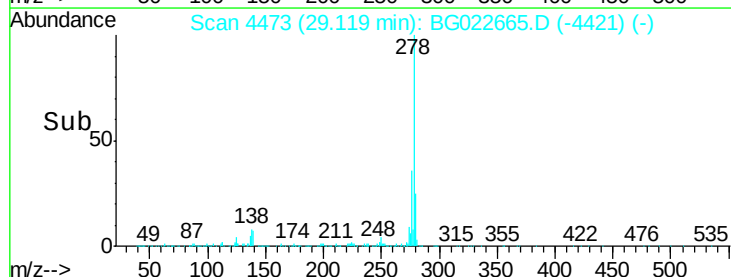
Ion	Ratio	Lower	Upper
278	100		
139	7.5	4.7	7.1#
279	25.2	18.3	27.5

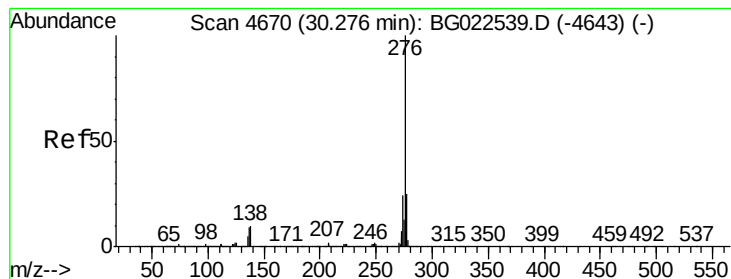


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 12.01 ng

RT: 30.26 min Scan# 4667

Delta R.T. 0.01 min

Lab File: BG022665.D

Acq: 28 Jun 2016 5:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:276 Resp: 962054

Ion Ratio Lower Upper

276 100

277 25.3 18.6 27.8

138 10.0 6.8 10.2

