

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122216\
 Data File : BG025390.D
 Acq On : 22 Dec 2016 15:26
 Operator : UM/SJ
 Sample : H6103-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Quant Time: Dec 23 00:15:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 18:42:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	49891	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	212815	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	163847	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	380206	20.00	ng	0.00
75) Chrysene-d12	21.88	240	558462	20.00	ng	0.00
86) Perylene-d12	25.28	264	584690	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.76	112	481138	175.29	ng	0.00
7) Phenol-d6	7.38	99	655317	169.52	ng	0.00
23) Nitrobenzene-d5	9.39	82	524167	108.81	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	401520	152.21	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	1134610	112.11	ng	0.00
78) Terphenyl-d14	20.16	244	2153810	102.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.59	88	18759	16.02	ng	95
3) Pyridine	4.01	79	51982	15.31	ng	93
4) n-Nitrosodimethylamine	3.92	42	36352	18.04	ng	83
6) Aniline	7.54	93	58323	11.13	ng	# 88
8) 2-Chlorophenol	7.78	128	59424	19.19	ng	92
9) Benzaldehyde	7.35	77	51134	18.08	ng	96
10) Phenol	7.40	94	82741	19.31	ng	95
11) bis(2-Chloroethyl)ether	7.63	93	58859	17.82	ng	86
12) 1,3-Dichlorobenzene	8.10	146	66599	17.77	ng	96
13) 1,4-Dichlorobenzene	8.24	146	69120	17.80	ng	98
14) 1,2-Dichlorobenzene	8.57	146	63475	17.13	ng	96
15) Benzyl Alcohol	8.46	79	67195	18.21	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.72	45	108303	17.71	ng	96
17) 2-Methylphenol	8.66	107	52849	18.78	ng	97
18) Hexachloroethane	9.29	117	25231	16.92	ng	90
19) n-Nitroso-di-n-propylamine	9.01	70	54482	16.69	ng	94
20) 3+4-Methylphenols	9.00	107	74233	19.06	ng	96
22) Acetophenone	9.05	105	97395	16.47	ng	# 98
24) Nitrobenzene	9.44	77	91289	17.28	ng	91
25) Isophorone	9.95	82	139705	16.02	ng	97
26) 2-Nitrophenol	10.15	139	34490	17.07	ng	91
27) 2,4-Dimethylphenol	10.20	122	60654	18.26	ng	85
28) bis(2-Chloroethoxy)methane	10.43	93	74119	16.36	ng	# 94
29) 2,4-Dichlorophenol	10.70	162	65822	18.51	ng	95
30) 1,2,4-Trichlorobenzene	10.90	180	70271	16.36	ng	98
31) Naphthalene	11.09	128	180744	17.01	ng	100
32) Benzoic acid	10.32	122	47475	17.77	ng	# 87
33) 4-Chloroaniline	11.22	127	38485	8.61	ng	# 92
34) Hexachlorobutadiene	11.34	225	58993	16.83	ng	97
35) Caprolactam	11.98	113	20722	15.51	ng	90
36) 4-Chloro-3-methylphenol	12.32	107	75824	17.28	ng	95
37) 2-Methylnaphthalene	12.68	142	134642	17.10	ng	95
39) 1,2,4,5-Tetrachlorobenzene	13.04	216	100665	18.61	ng	# 95
40) Hexachlorocyclopentadiene	13.01	237	18140	16.71	ng	98

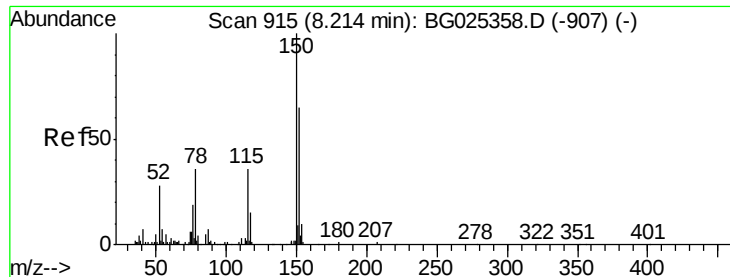
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122216\
 Data File : BG025390.D
 Acq On : 22 Dec 2016 15:26
 Operator : UM/SJ
 Sample : H6103-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Quant Time: Dec 23 00:15:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 18:42:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.28	196	59583	17.49	ng	97
43) 2,4,5-Trichlorophenol	13.38	196	62389	17.50	ng	96
45) 1,1'-Biphenyl	13.67	154	197336	17.91	ng	91
46) 2-Chloronaphthalene	13.72	162	147161	17.09	ng	97
47) 2-Nitroaniline	13.94	65	64993	17.88	ng	92
48) Acenaphthylene	14.56	152	230181	17.25	ng	95
49) Dimethylphthalate	14.28	163	210137	17.59	ng	99
50) 2,6-Dinitrotoluene	14.42	165	46898	17.97	ng	91
51) Acenaphthene	14.90	154	153468	17.58	ng	97
52) 3-Nitroaniline	14.77	138	33811	13.48	ng	88
53) 2,4-Dinitrophenol	14.99	184	12637	11.99	ng #	88
54) Dibenzofuran	15.23	168	247375	17.93	ng	93
55) 4-Nitrophenol	15.09	139	29822	15.92	ng #	89
56) 2,4-Dinitrotoluene	15.22	165	66596	17.53	ng #	91
57) Fluorene	15.88	166	205423	17.78	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.46	232	63931	16.74	ng #	96
59) Diethylphthalate	15.63	149	219546	17.53	ng	96
60) 4-Chlorophenyl-phenylether	15.86	204	120270	18.37	ng #	88
61) 4-Nitroaniline	15.93	138	44368	17.58	ng #	80
62) Azobenzene	16.16	77	219666	18.18	ng	96
64) 4,6-Dinitro-2-methylphenol	15.98	198	42765	16.24	ng	79
65) n-Nitrosodiphenylamine	16.08	169	181997	17.71	ng	99
66) 4-Bromophenyl-phenylether	16.76	248	81786	17.44	ng	89
67) Hexachlorobenzene	16.89	284	91926	17.08	ng #	89
68) Atrazine	17.02	200	64194	14.26	ng	93
69) Pentachlorophenol	17.24	266	40356	14.46	ng	92
70) Phenanthrene	17.63	178	347418	17.73	ng	93
71) Anthracene	17.72	178	358274	18.00	ng	95
72) Carbazole	18.00	167	321861	18.07	ng	94
73) Di-n-butylphthalate	18.51	149	394558	18.01	ng #	95
74) Fluoranthene	19.62	202	489056	18.90	ng	92
76) Benzidine	19.80	184	136256	9.78	ng	97
77) Pyrene	19.99	202	500130	17.14	ng	95
79) Butylbenzylphthalate	20.83	149	200317	17.09	ng	97
80) Benzo(a)anthracene	21.86	228	562673	18.06	ng	93
81) 3,3'-Dichlorobenzidine	21.76	252	137667	11.38	ng	92
82) Chrysene	21.93	228	530349	17.75	ng	97
83) Bis(2-ethylhexyl)phthalate	21.70	149	287933	17.65	ng	97
84) Di-n-octyl phthalate	22.95	149	491055	18.14	ng	96
85) Indeno(1,2,3-cd)pyrene	29.21	276	667270	17.57	ng	99
87) Benzo(b)fluoranthene	24.26	252	542097	16.99	ng	95
88) Benzo(k)fluoranthene	24.26	252	542097	17.60	ng	93
89) Benzo(a)pyrene	25.12	252	540488	17.54	ng #	97
90) Dibenzo(a,h)anthracene	29.26	278	581893	17.82	ng #	98
91) Benzo(g,h,i)perylene	30.45	276	566950	17.47	ng	96

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

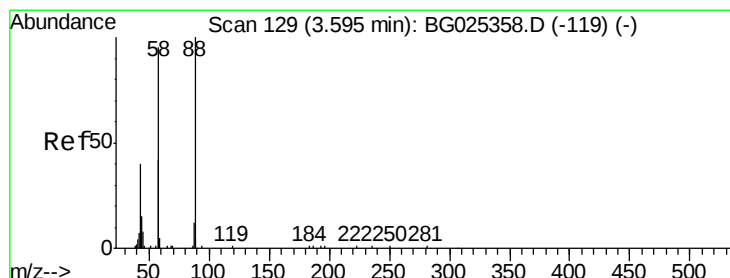
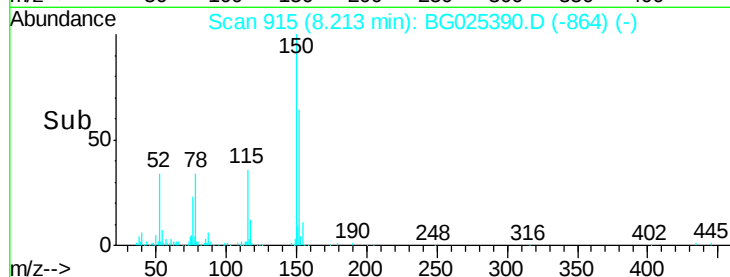
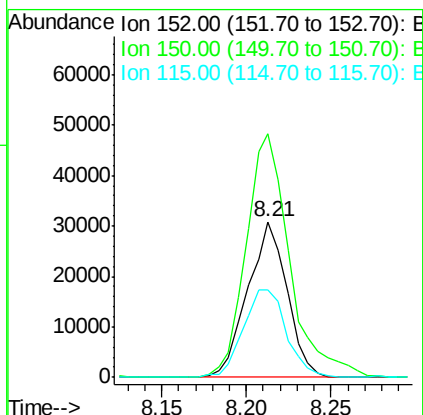
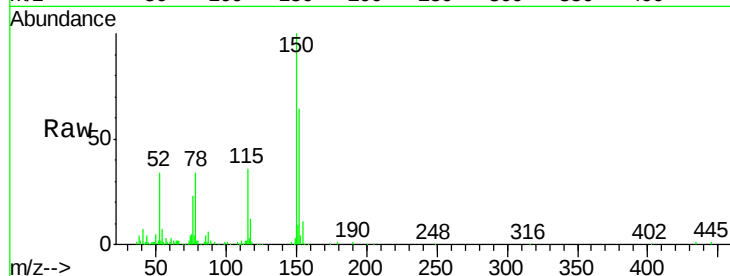


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 915
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

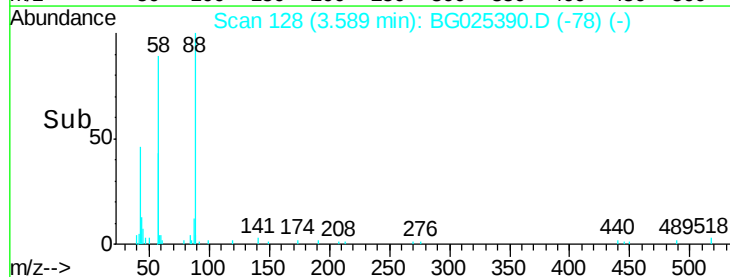
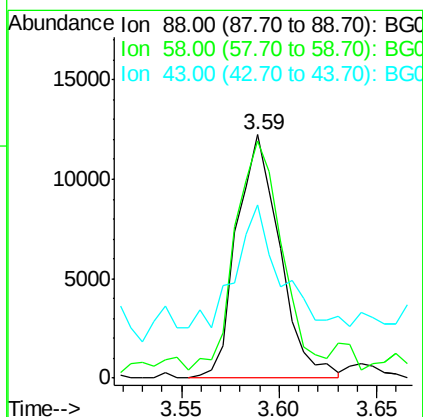
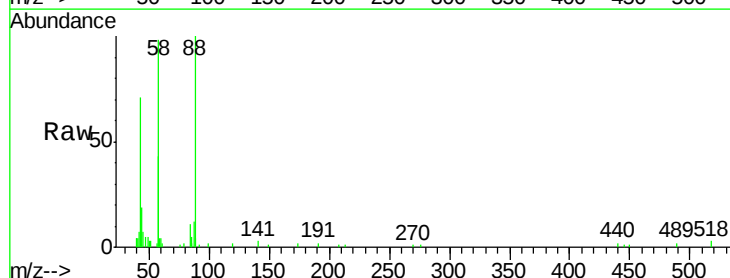
Tgt Ion:152 Resp: 49891
Ion Ratio Lower Upper
152 100
150 156.8 114.0 171.0
115 56.1 48.1 72.1

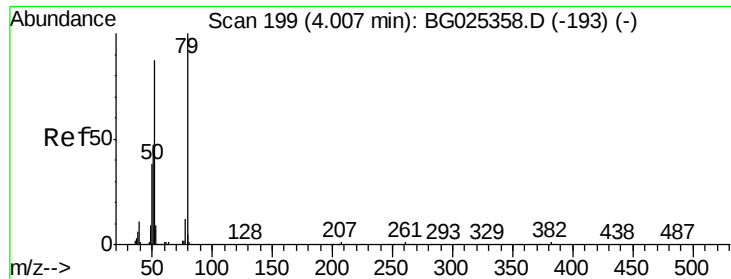


#2

1,4-Dioxane
Concen: 16.02 ng
RT: 3.59 min Scan# 128
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion: 88 Resp: 18759
Ion Ratio Lower Upper
88 100
58 101.8 79.4 119.2
43 49.2 33.8 50.6





#3

Pyridine

Concen: 15.31 ng

RT: 4.01 min Scan# 199

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

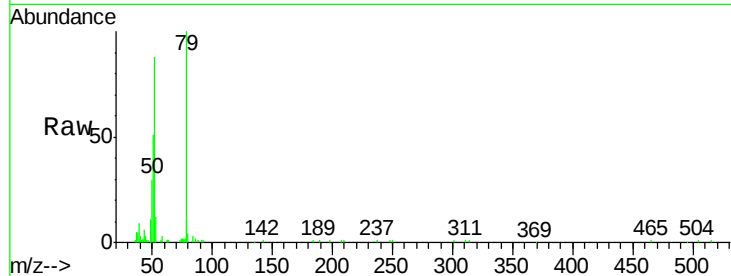
Tgt Ion: 79 Resp: 51982

Ion Ratio Lower Upper

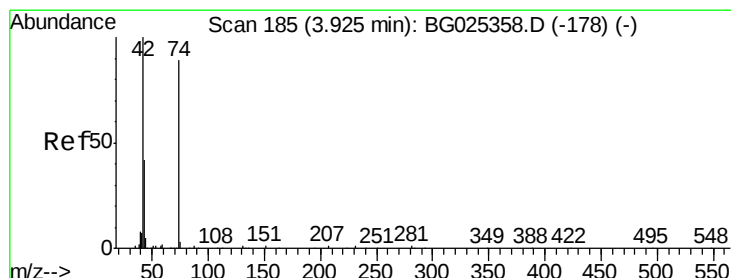
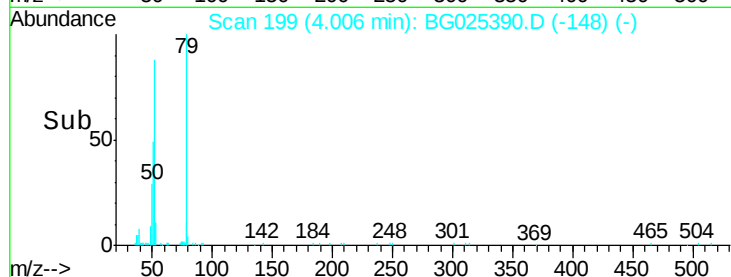
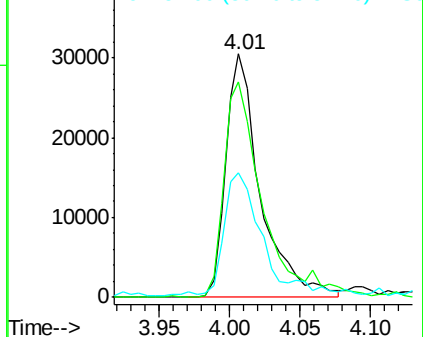
79 100

52 88.5 77.8 116.6

51 50.9 43.2 64.8



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



#4

n-Nitrosodimethylamine

Concen: 18.04 ng

RT: 3.92 min Scan# 185

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

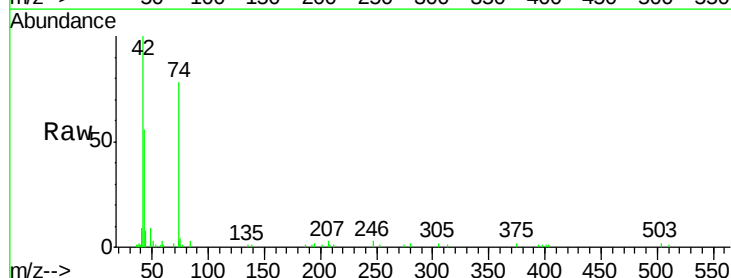
Tgt Ion: 42 Resp: 36352

Ion Ratio Lower Upper

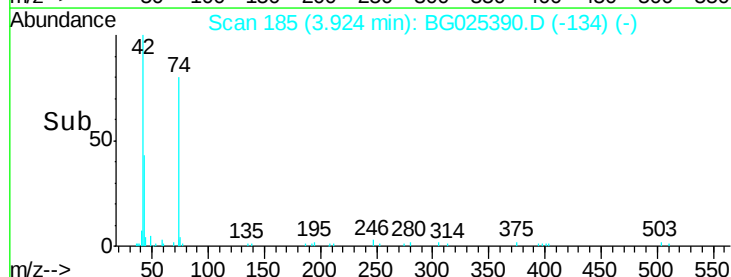
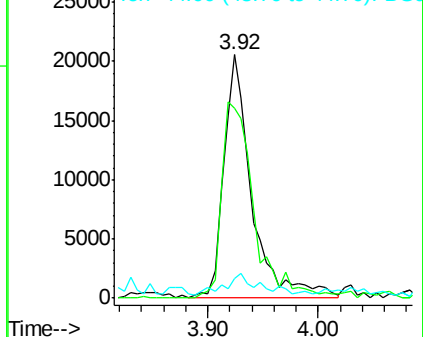
42 100

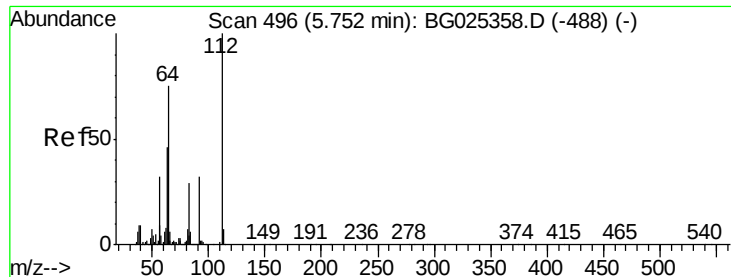
74 77.9 76.7 115.1

44 8.1 6.1 9.1



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: 175.29 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

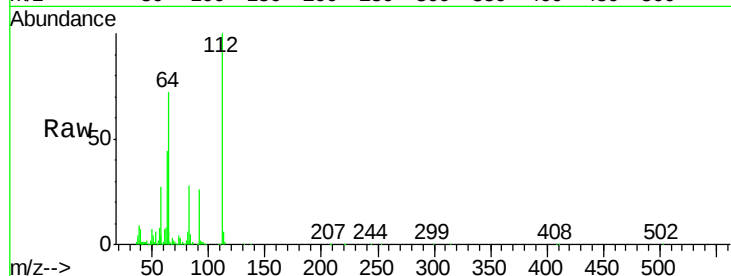
Tgt Ion:112 Resp: 481138

Ion Ratio Lower Upper

112 100

64 71.5 61.8 92.6

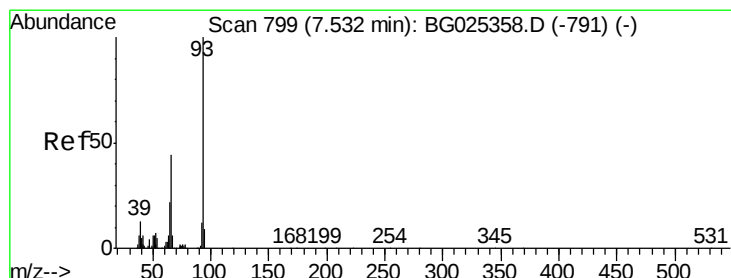
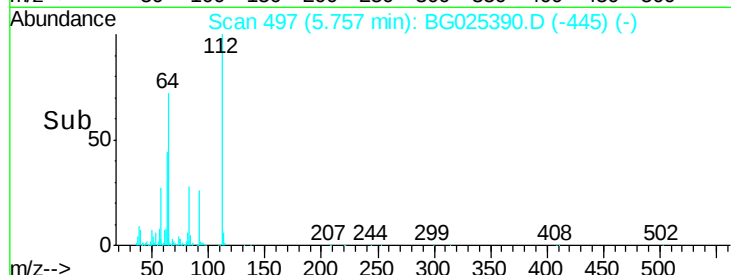
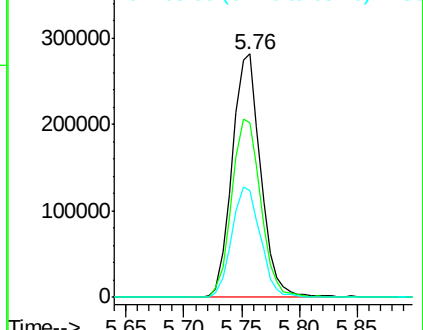
63 43.6 37.2 55.8



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: 11.13 ng

RT: 7.54 min Scan# 801

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

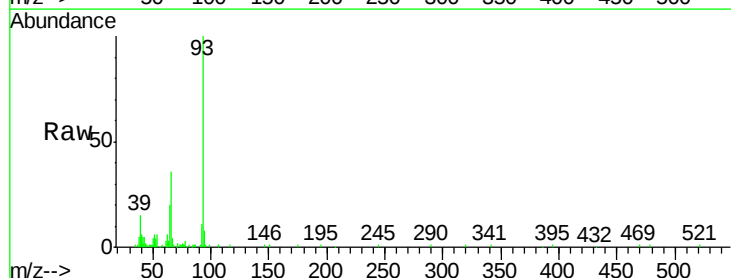
Tgt Ion: 93 Resp: 58323

Ion Ratio Lower Upper

93 100

66 36.2 35.4 53.2

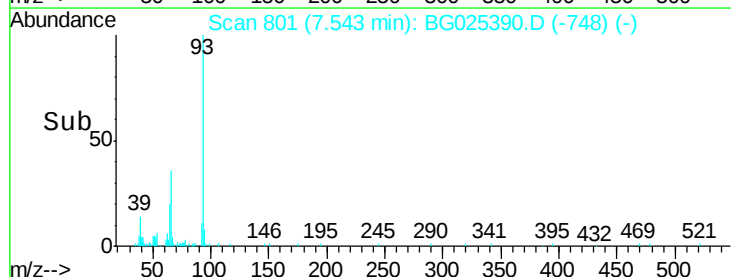
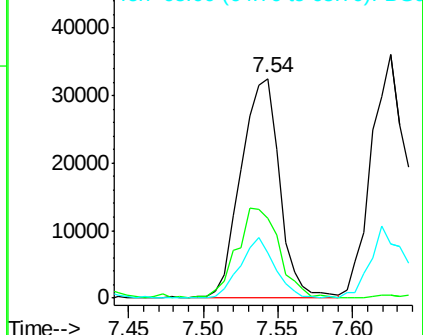
65 20.4 21.2 31.8#

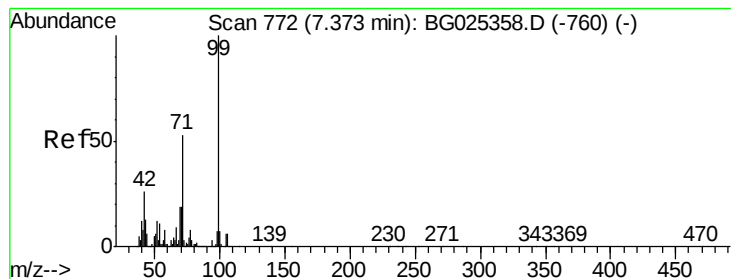


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 169.52 ng

RT: 7.38 min Scan# 773

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

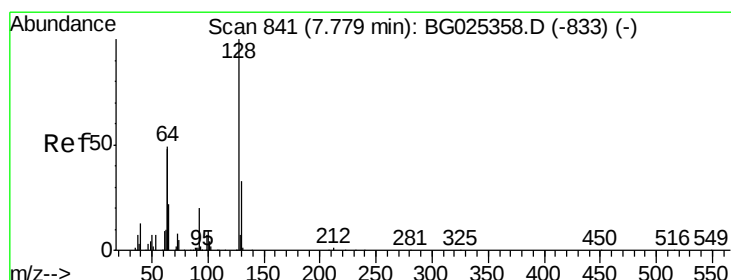
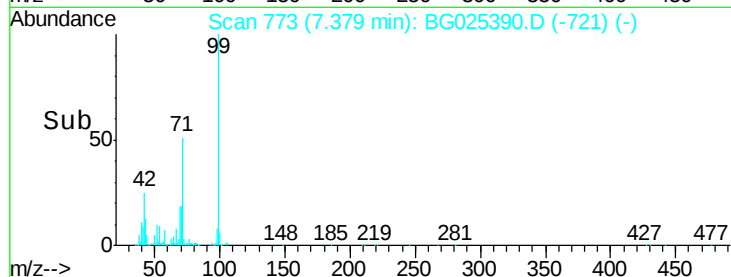
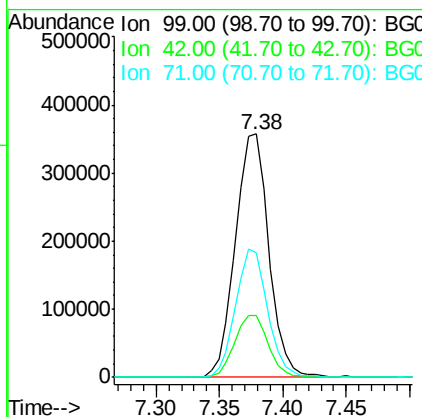
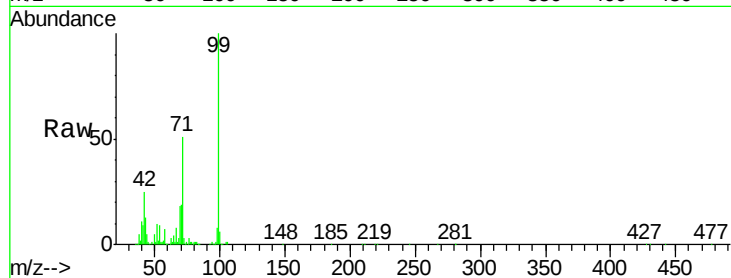
Tgt Ion: 99 Resp: 655317

Ion Ratio Lower Upper

99 100

42 25.2 20.5 30.7

71 51.1 37.6 56.4



#8

2-Chlorophenol

Concen: 19.19 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

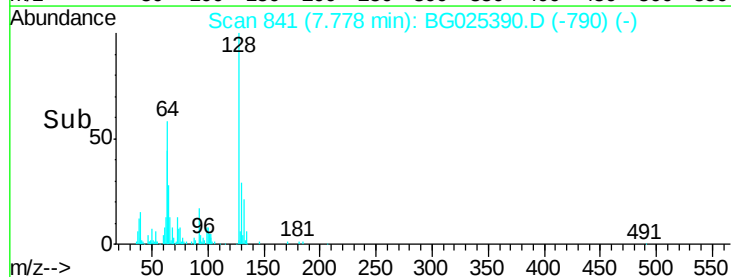
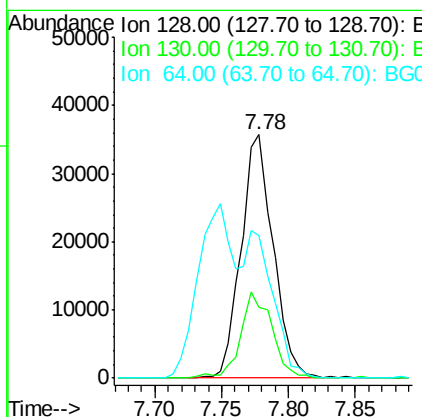
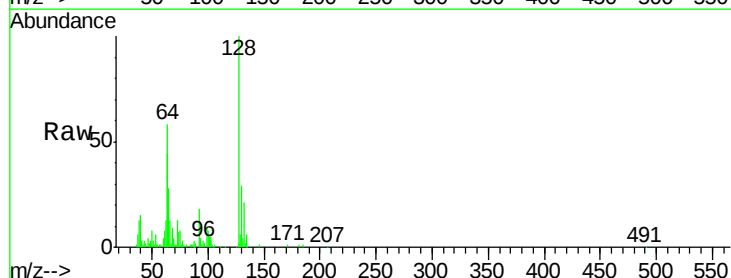
Tgt Ion: 128 Resp: 59424

Ion Ratio Lower Upper

128 100

130 29.0 11.4 51.4

64 58.5 46.6 86.6





#9

Benzaldehyde

Concen: 18.08 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

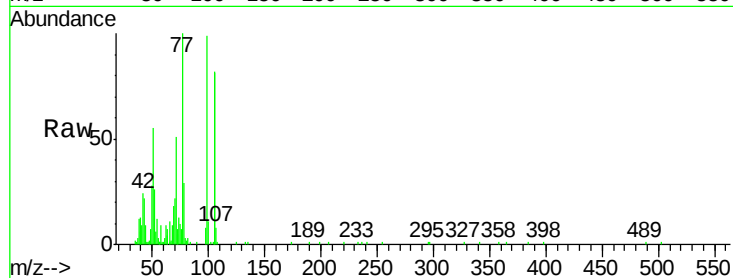
Tgt Ion: 77 Resp: 51134

Ion Ratio Lower Upper

77 100

105 81.7 60.9 100.9

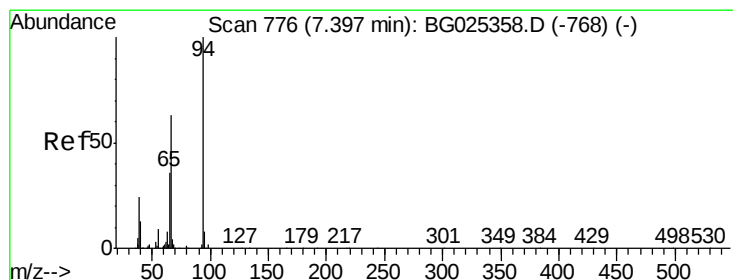
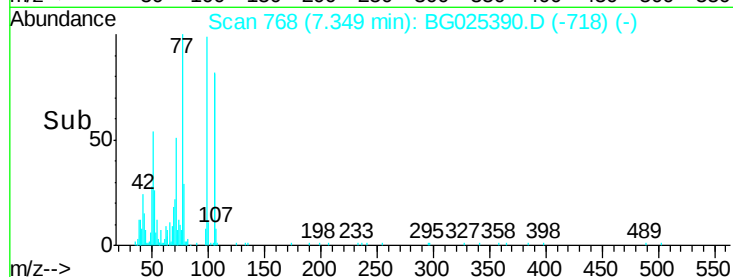
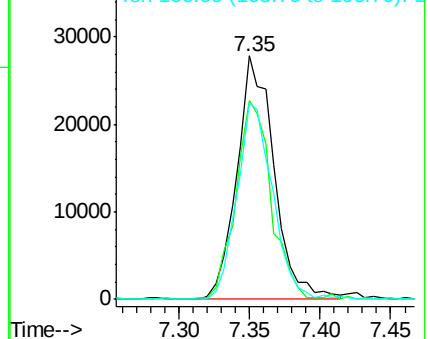
106 80.6 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 19.31 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

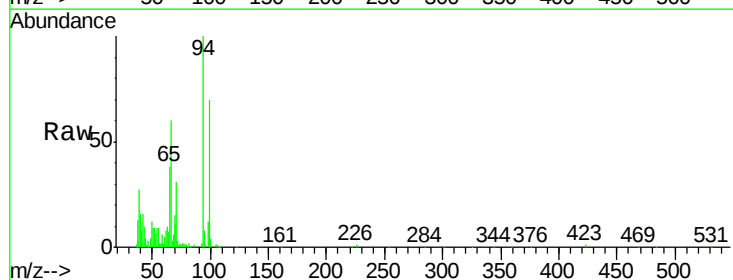
Tgt Ion: 94 Resp: 82741

Ion Ratio Lower Upper

94 100

65 38.1 20.6 60.6

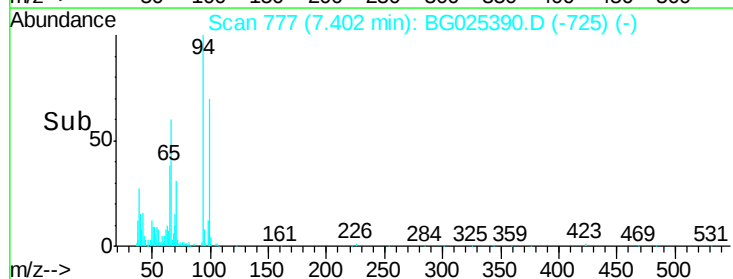
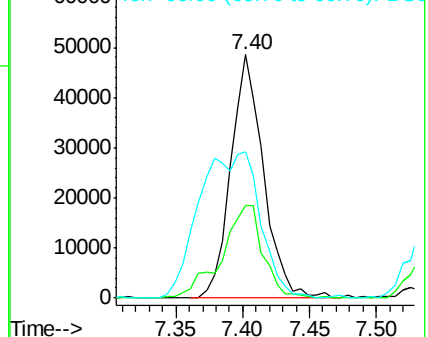
66 60.0 35.5 75.5

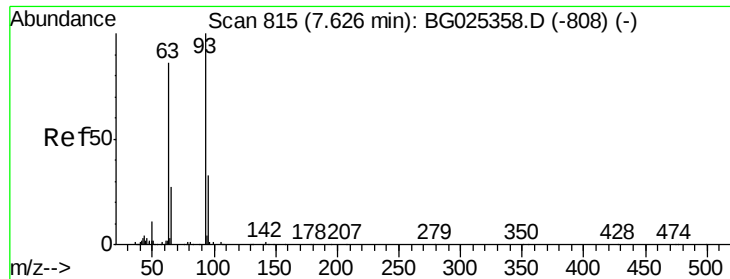


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



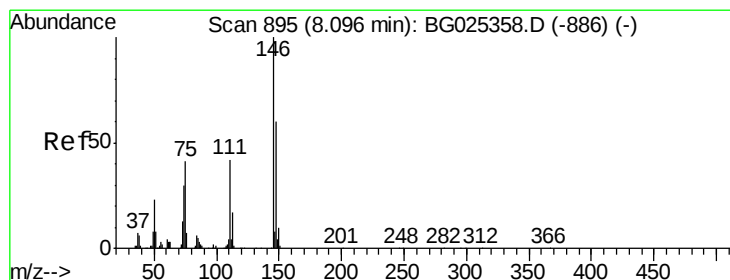
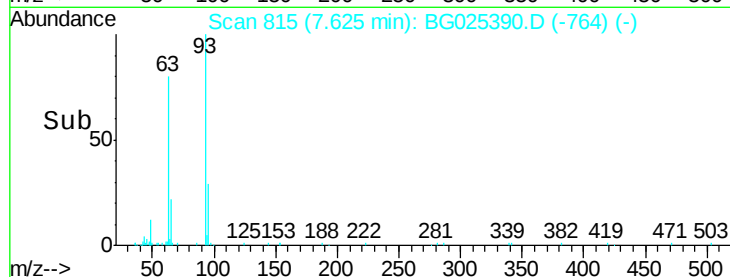
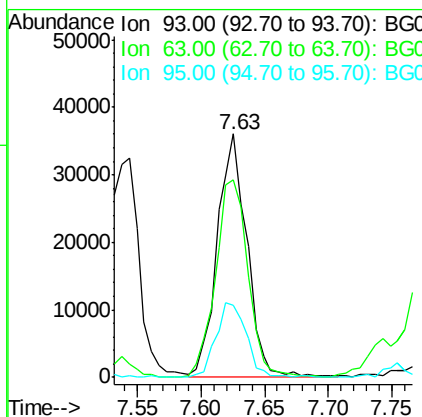
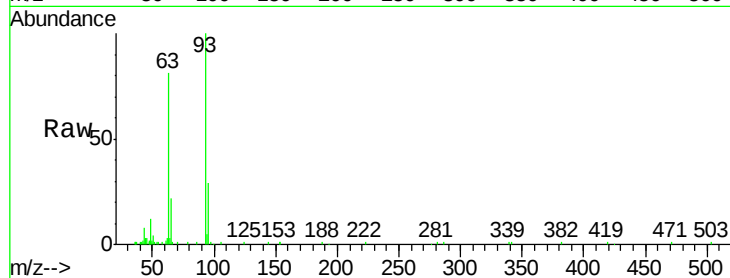


#11
bis(2-Chloroethyl)ether
Concen: 17.82 ng
RT: 7.63 min Scan# 815
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion: 93 Resp: 58859

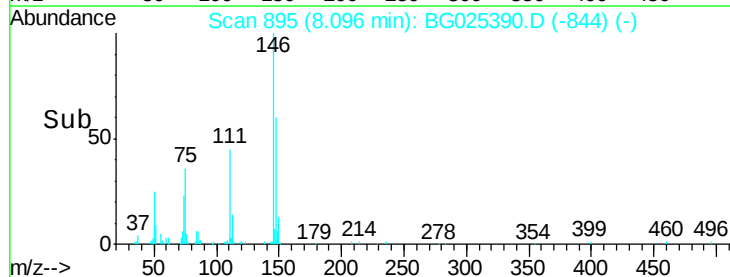
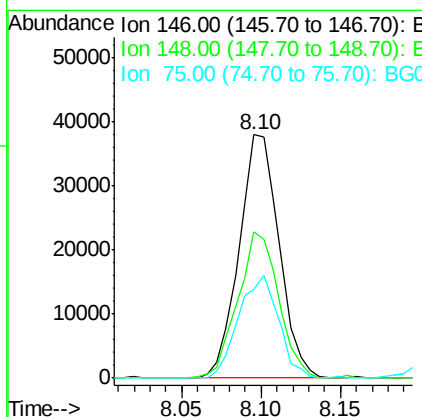
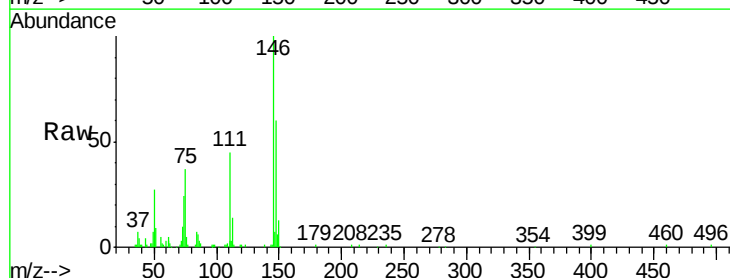
Ion	Ratio	Lower	Upper
93	100		
63	80.9	78.5	118.5
95	29.4	9.8	49.8

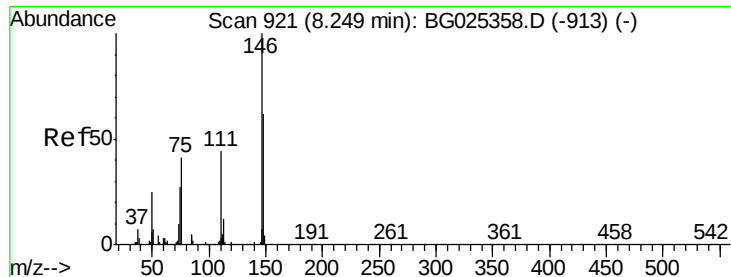


#12
1,3-Dichlorobenzene
Concen: 17.77 ng
RT: 8.10 min Scan# 895
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion: 146 Resp: 66599

Ion	Ratio	Lower	Upper
146	100		
148	60.3	49.2	73.8
75	36.6	33.4	50.2

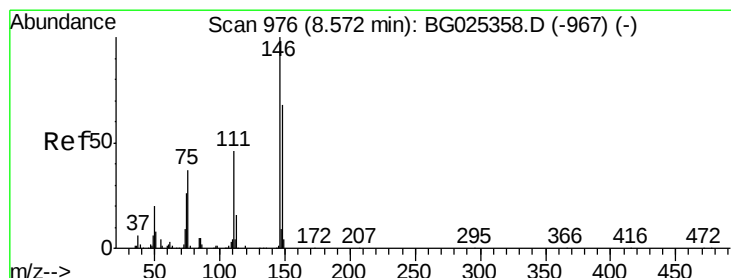
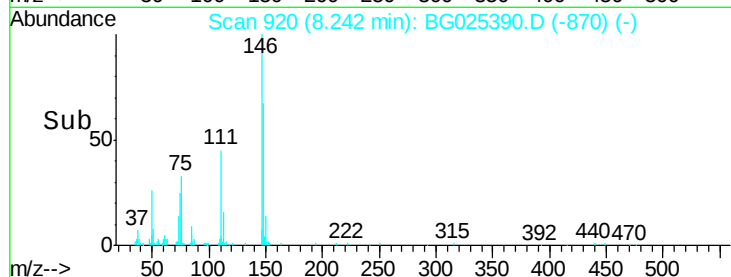
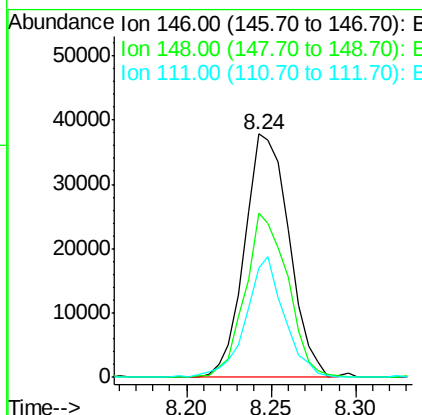
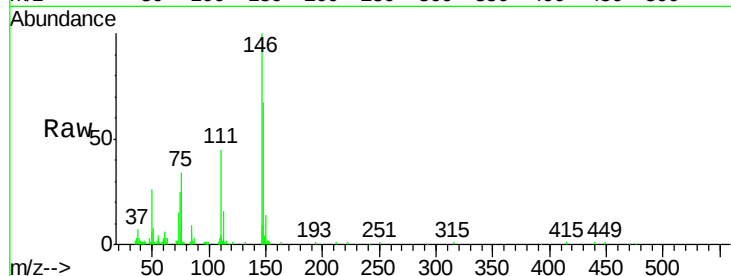




#13
 1,4-Dichlorobenzene
 Concen: 17.80 ng
 RT: 8.24 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

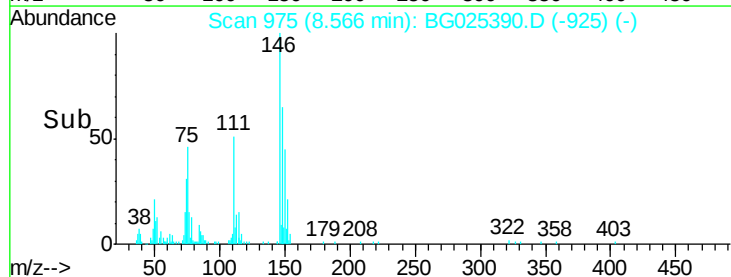
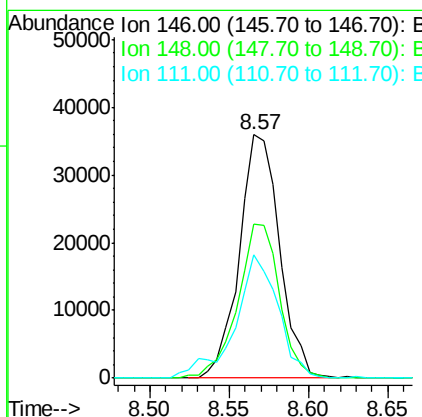
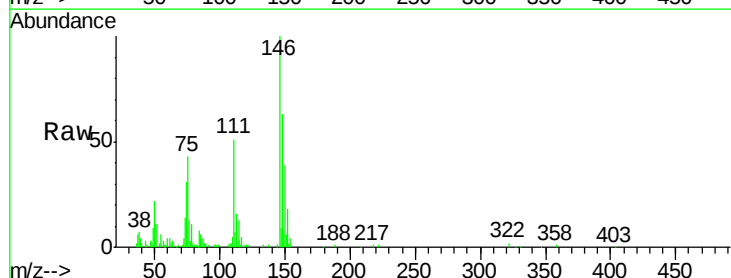
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

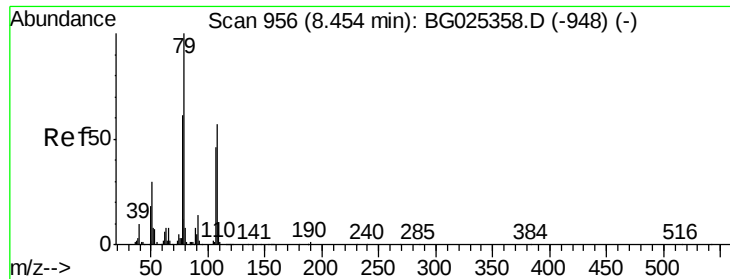
Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.5	52.2	78.2
111	45.1	37.0	55.6



#14
 1,2-Dichlorobenzene
 Concen: 17.13 ng
 RT: 8.57 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	54.6	81.8
111	50.5	39.7	59.5





#15

Benzyl Alcohol

Concen: 18.21 ng

RT: 8.46 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

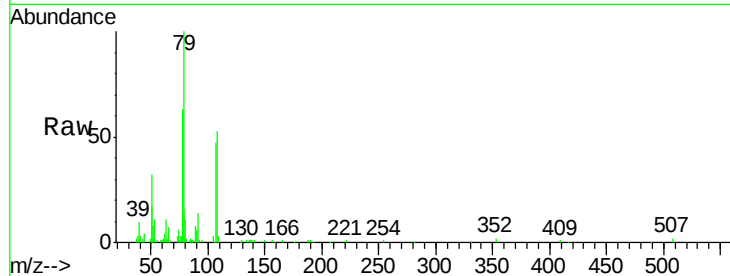
Tgt Ion: 79 Resp: 67195

Ion Ratio Lower Upper

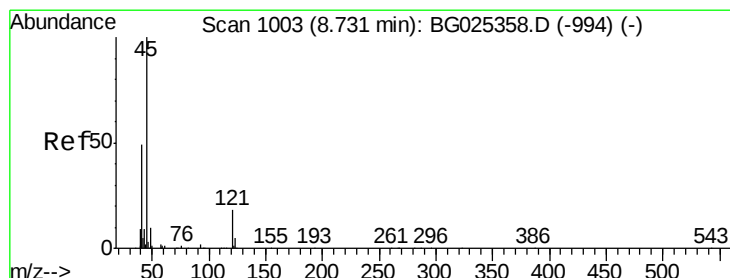
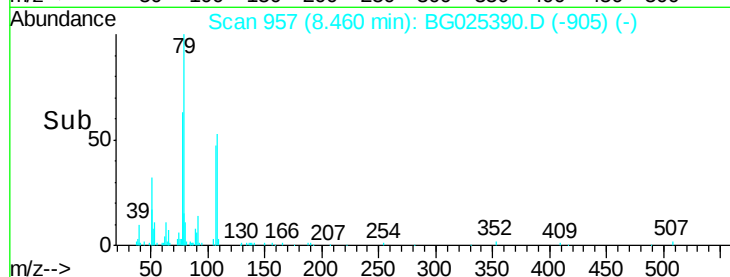
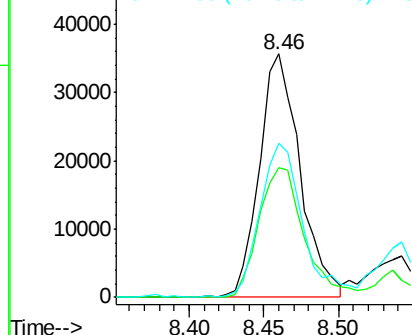
79 100

108 53.2 45.5 68.3

77 63.2 54.3 81.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 17.71 ng

RT: 8.72 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

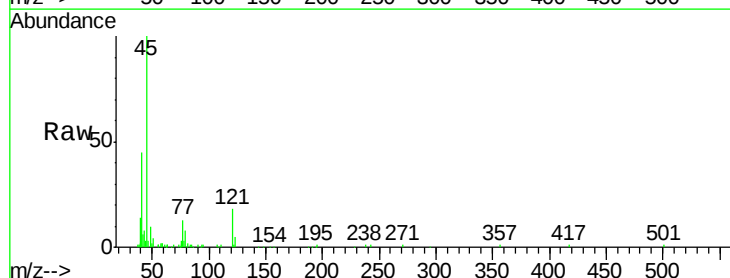
Tgt Ion: 45 Resp: 108303

Ion Ratio Lower Upper

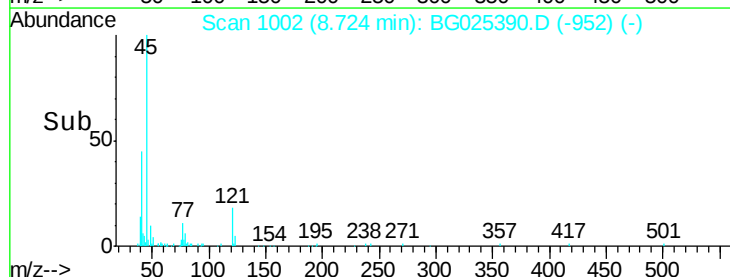
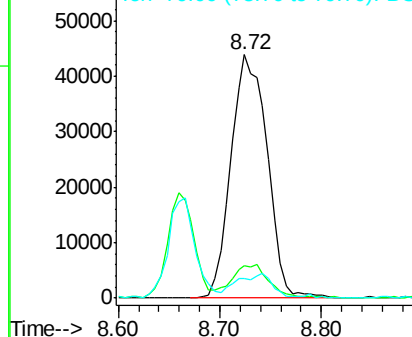
45 100

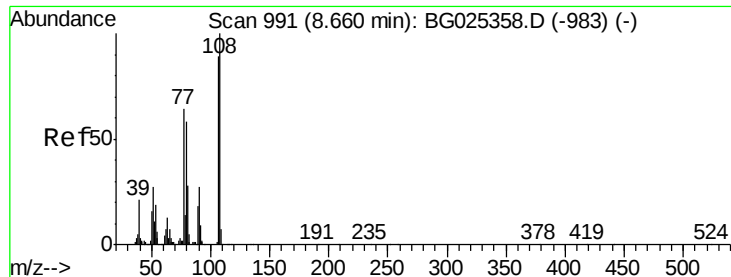
77 13.1 0.0 30.6

79 8.0 0.0 28.5



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

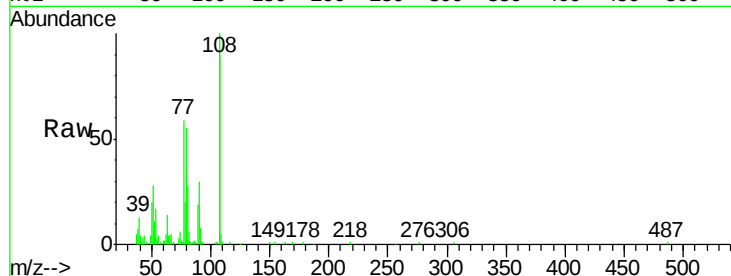




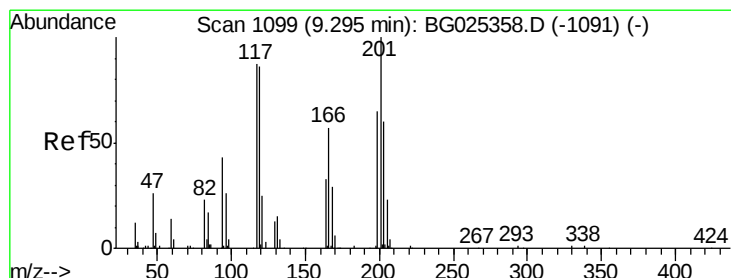
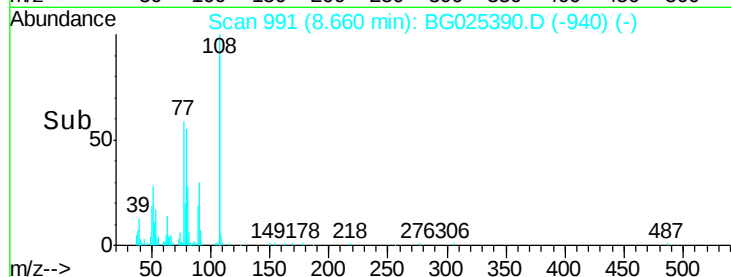
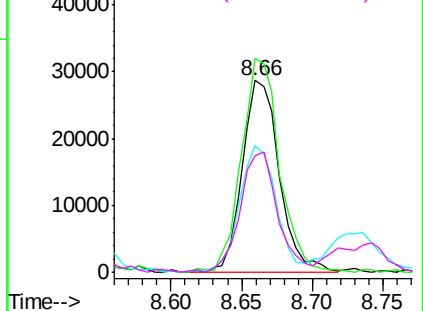
#17
2-Methylphenol
Concen: 18.78 ng
RT: 8.66 min Scan# 991
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:	107	Resp:	52849
Ion	Ratio	Lower	Upper
107	100		
108	111.4	85.6	128.4
77	66.1	51.4	77.2
79	60.8	49.2	73.8

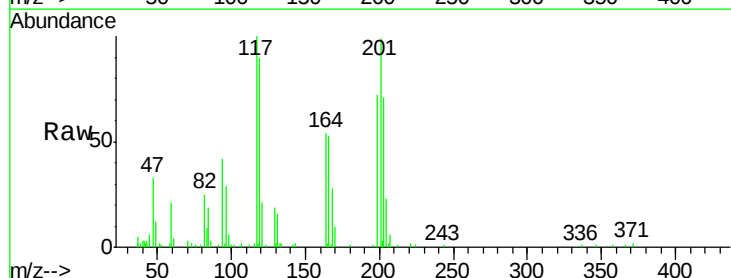


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

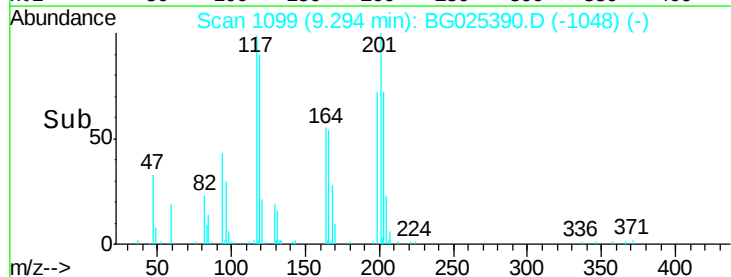
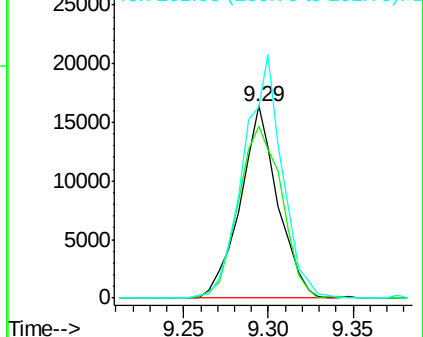


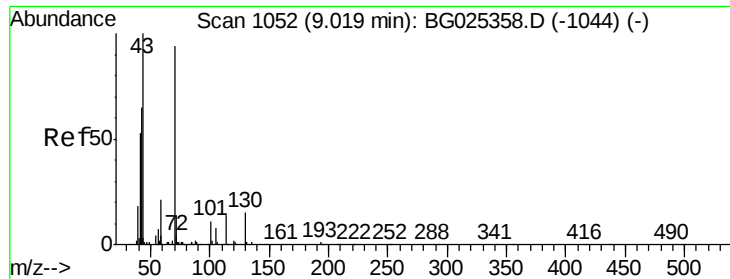
#18
Hexachloroethane
Concen: 16.92 ng
RT: 9.29 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:	117	Resp:	25231
Ion	Ratio	Lower	Upper
117	100		
119	89.6	69.8	104.6
201	102.1	95.4	143.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

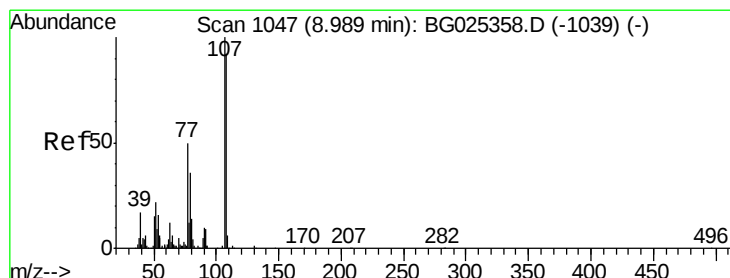
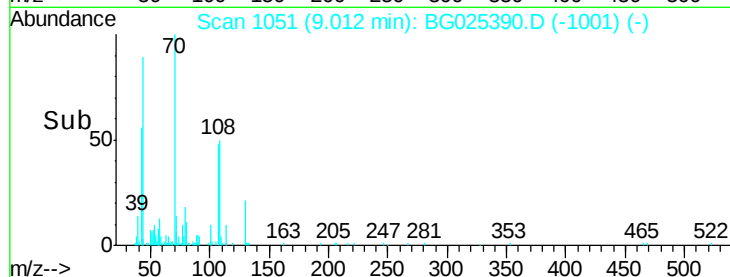
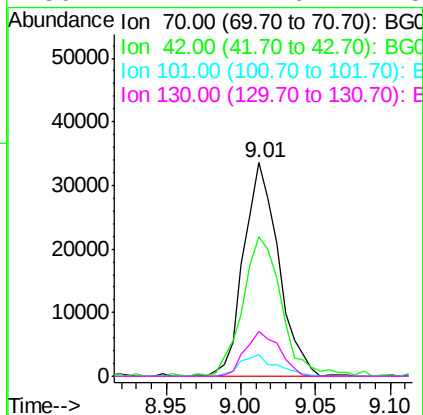
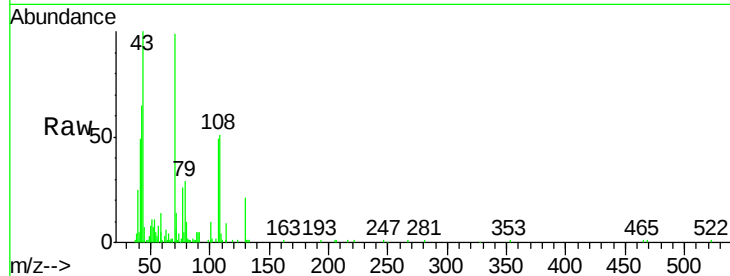




#19
n-Nitroso-di-n-propylamine
Concen: 16.69 ng
RT: 9.01 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

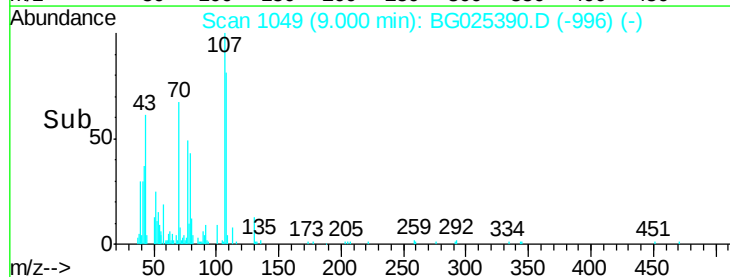
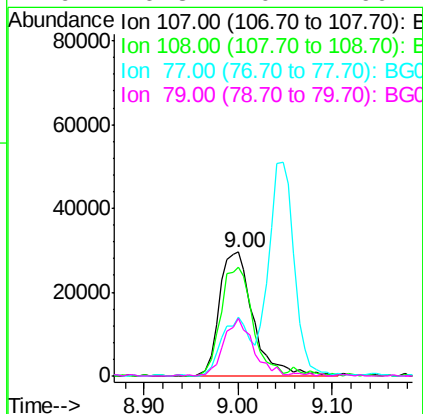
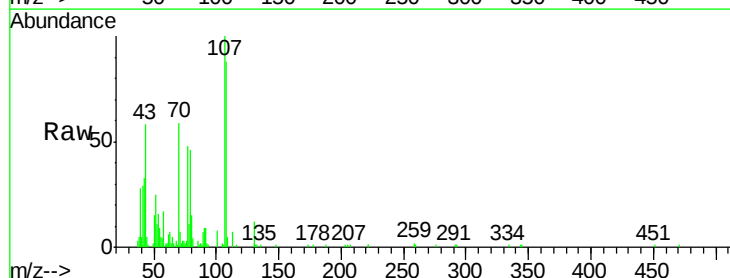
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

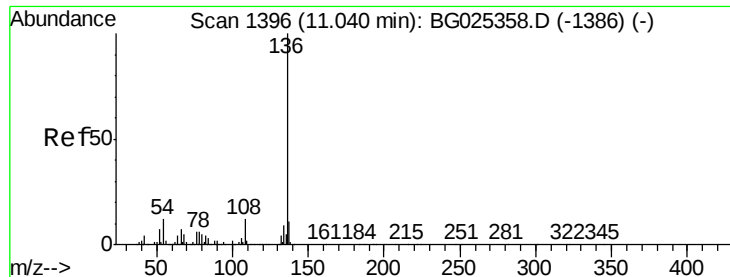
Tgt Ion:	70	Resp:	54482
Ion	Ratio	Lower	Upper
70	100		
42	65.1	56.1	84.1
101	10.0	7.5	11.3
130	21.1	14.6	21.8



#20
3+4-Methylphenols
Concen: 19.06 ng
RT: 9.00 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:	107	Resp:	74233
Ion	Ratio	Lower	Upper
107	100		
108	88.2	70.8	110.8
77	47.7	25.8	65.8
79	46.3	20.1	60.1

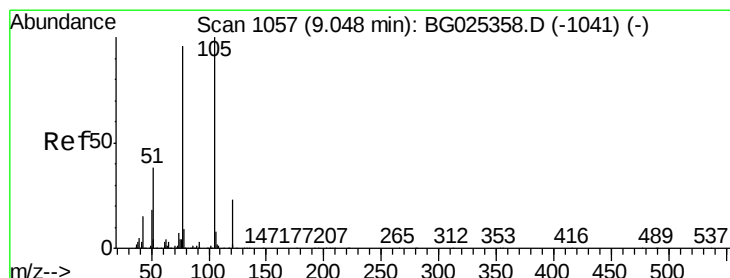
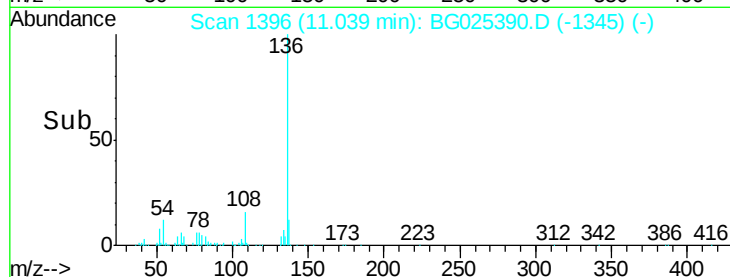
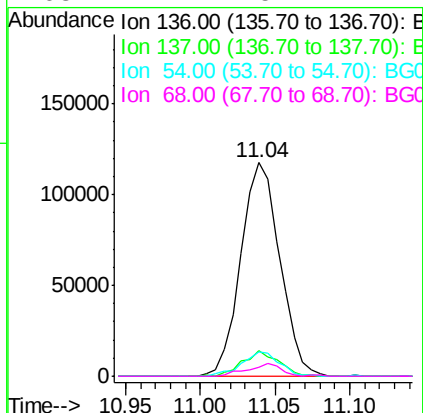
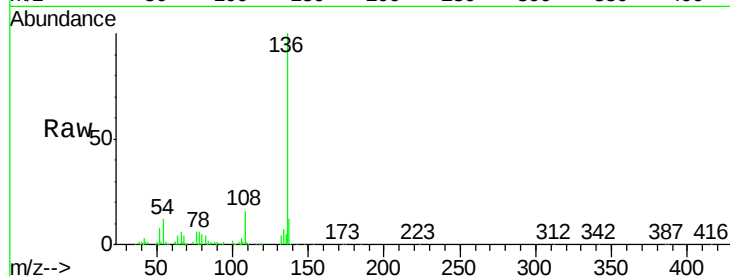




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

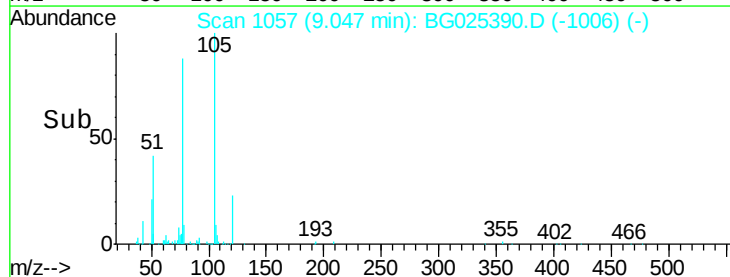
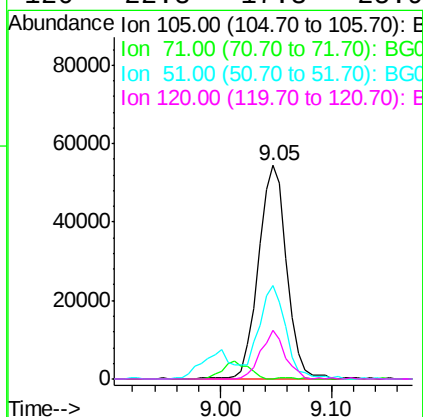
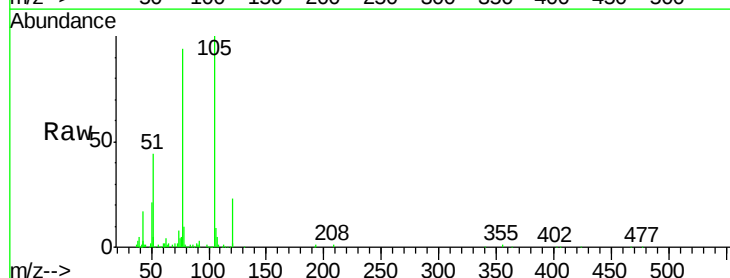
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

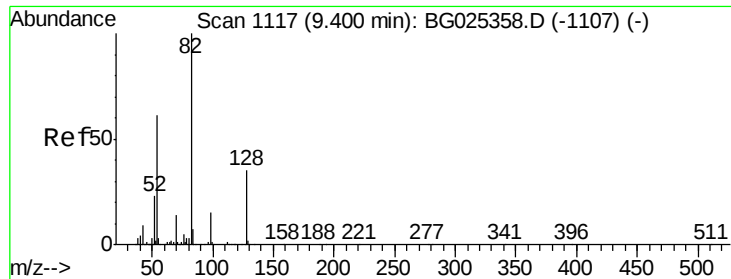
Tgt Ion:	136	Resp:	212815
Ion Ratio	Lower	Upper	
136	100		
137	12.0	8.9	13.3
54	11.6	9.3	13.9
68	4.4	5.1	7.7#



#22
Acetophenone
Concen: 16.47 ng
RT: 9.05 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:	105	Resp:	97395
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.9	1.3#
51	43.7	34.0	51.0
120	22.8	17.3	25.9

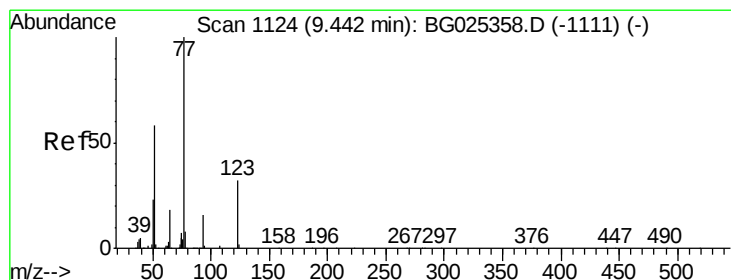
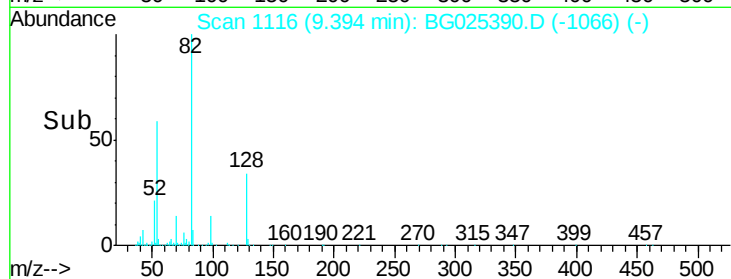
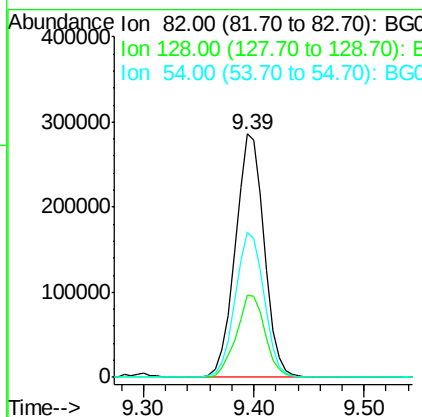
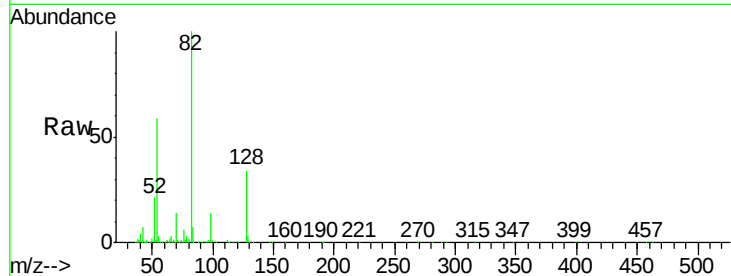




#23
 Nitrobenzene-d5
 Concen: 108.81 ng
 RT: 9.39 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

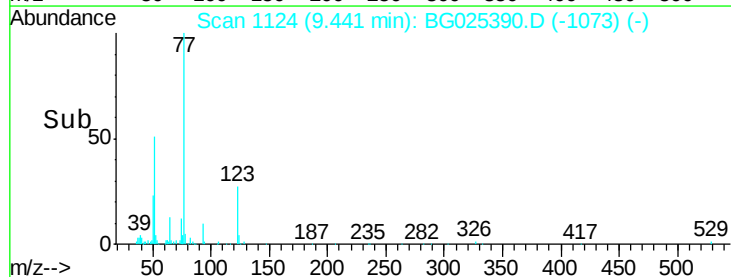
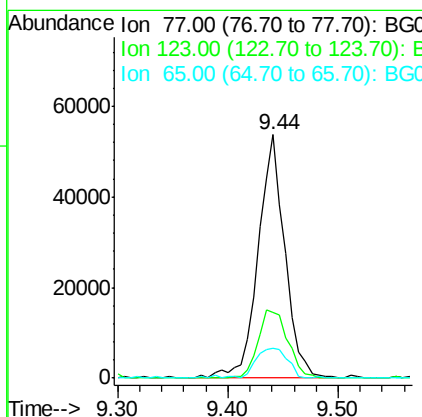
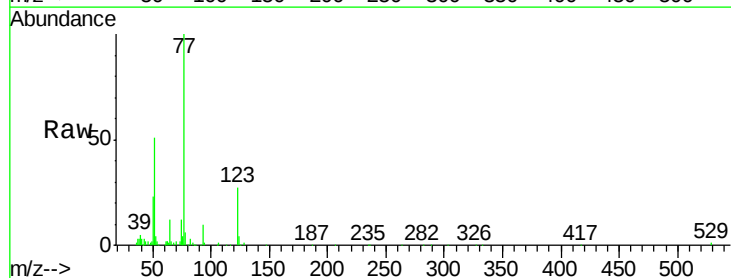
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

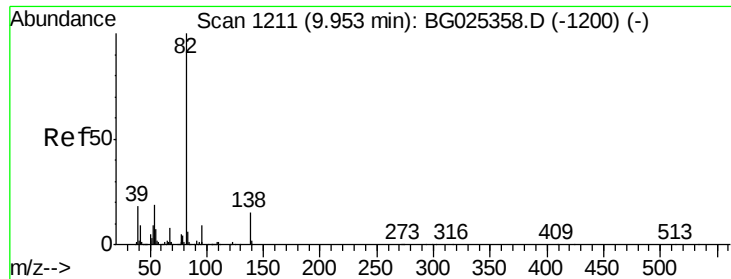
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.0	26.4	39.6
54	59.5	49.4	74.2



#24
 Nitrobenzene
 Concen: 17.28 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
77	100		
123	27.0	26.1	39.1
65	12.5	12.4	18.6

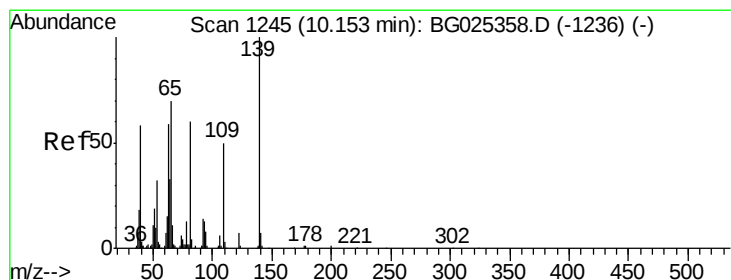
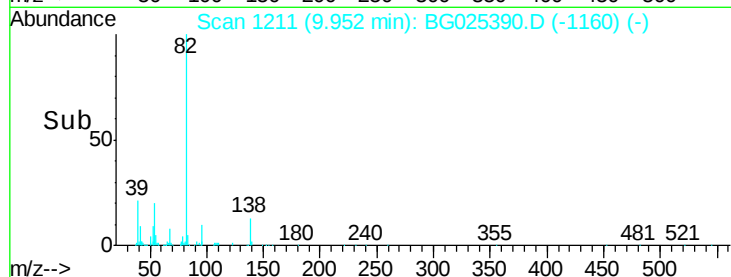
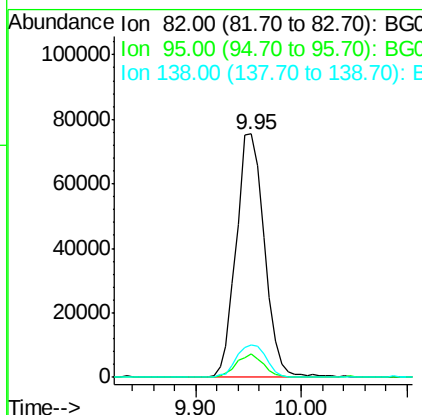
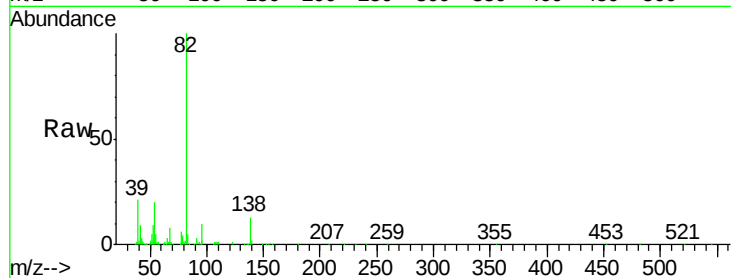




#25
Isophorone
Concen: 16.02 ng
RT: 9.95 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

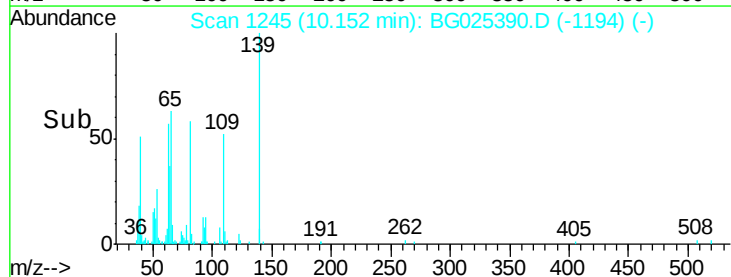
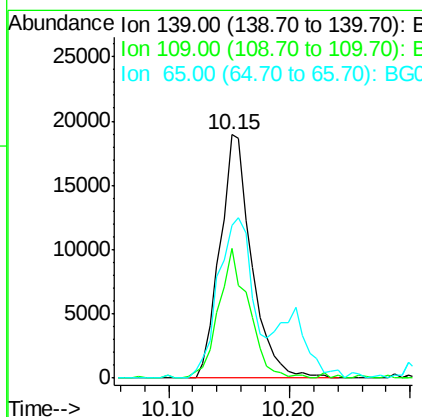
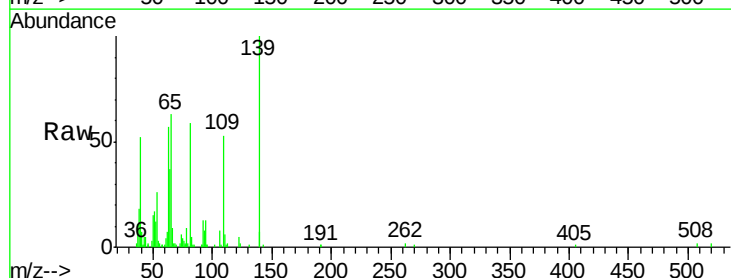
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

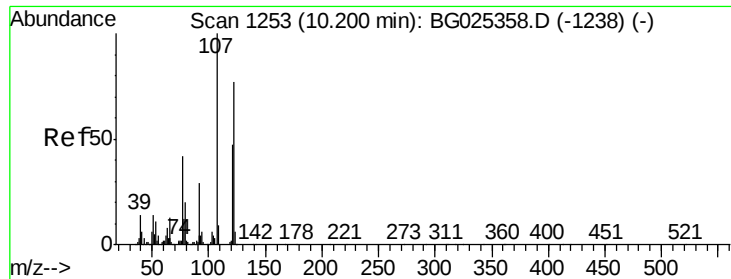
Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.7	7.5	11.3
138	13.5	12.3	18.5



#26
2-Nitrophenol
Concen: 17.07 ng
RT: 10.15 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	53.2	38.6	58.0
65	63.0	57.1	85.7

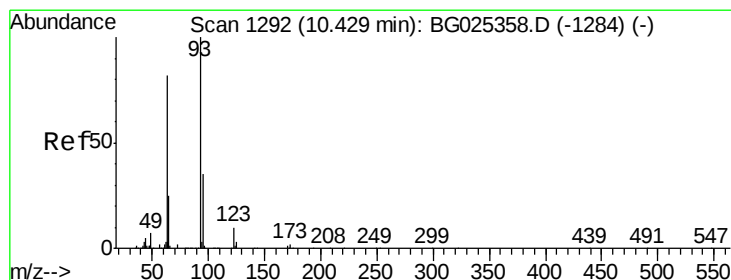
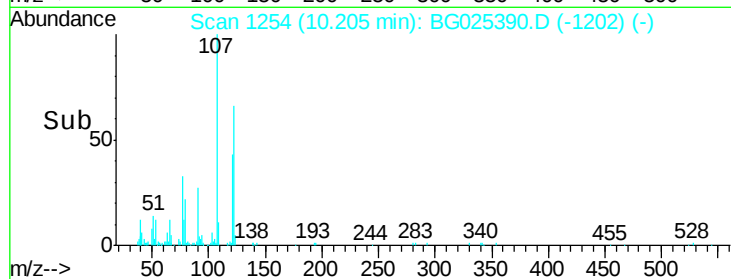
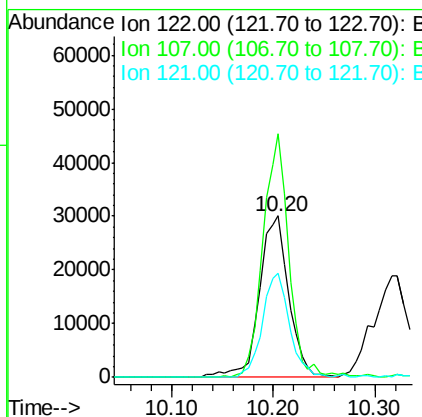
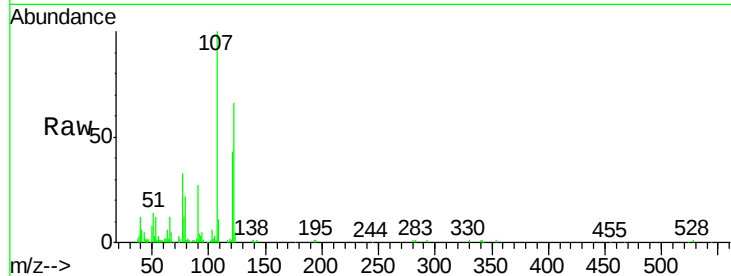




#27
 2,4-Dimethylphenol
 Concen: 18.26 ng
 RT: 10.20 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

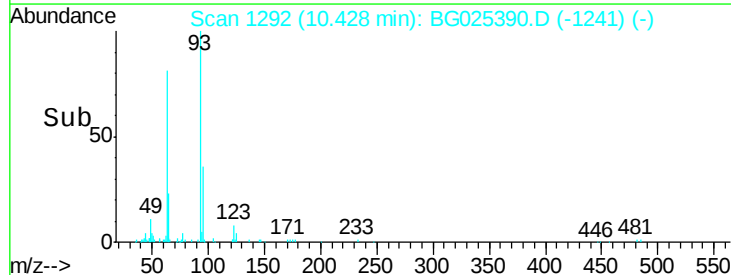
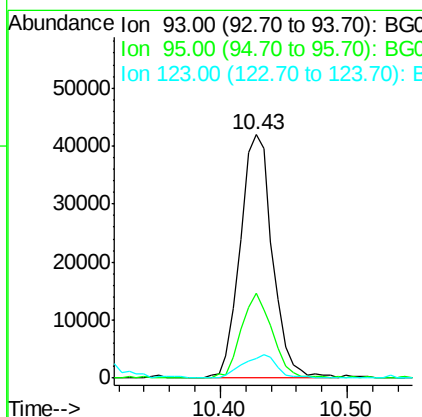
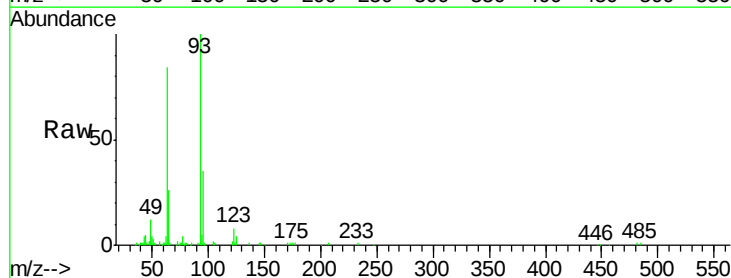
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

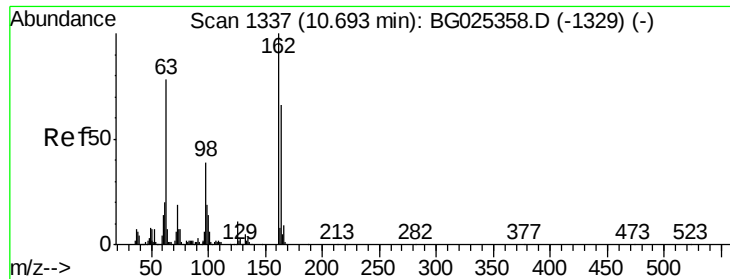
Tgt Ion	Ratio	Lower	Upper
122	100		
107	151.1	104.2	156.4
121	64.8	46.0	69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 16.36 ng
 RT: 10.43 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.1	25.7	38.5
123	8.1	8.3	12.5#





#29

2,4-Dichlorophenol

Concen: 18.51 ng

RT: 10.70 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

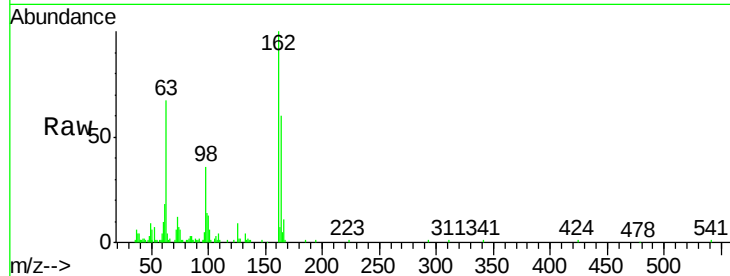
Tgt Ion:162 Resp: 65822

Ion Ratio Lower Upper

162 100

164 59.8 42.4 82.4

98 36.0 20.3 60.3

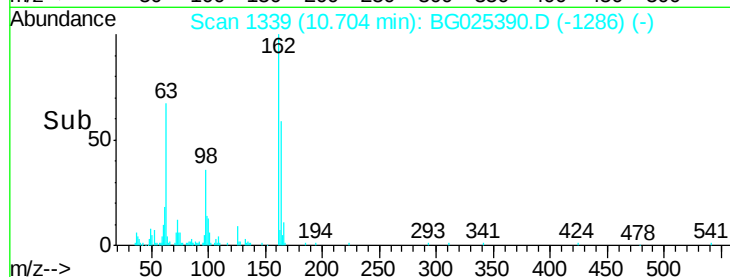


Abundance Ion 162.00 (161.70 to 162.70): E

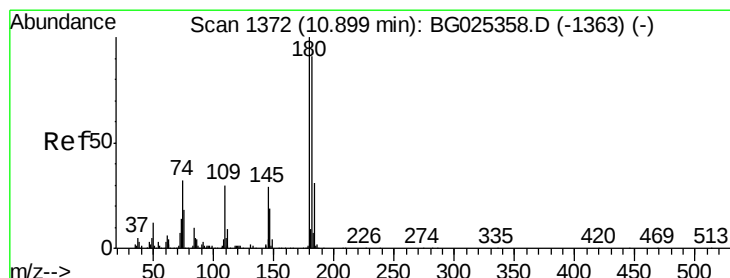
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B

Time-->



Time-->



#30

1,2,4-Trichlorobenzene

Concen: 16.36 ng

RT: 10.90 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

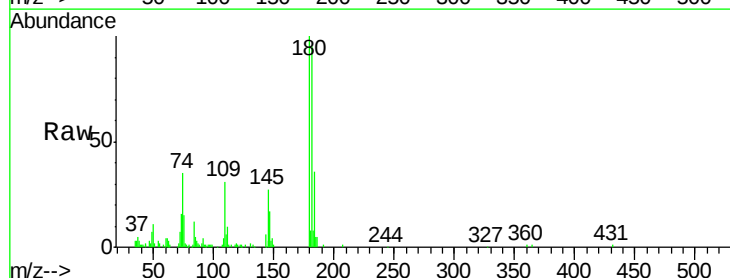
Tgt Ion:180 Resp: 70271

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 26.9 23.4 35.0

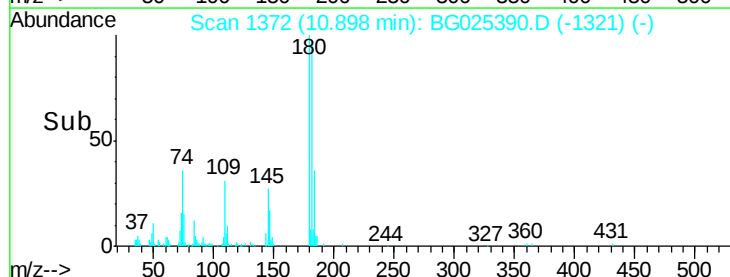


Abundance Ion 180.00 (179.70 to 180.70): E

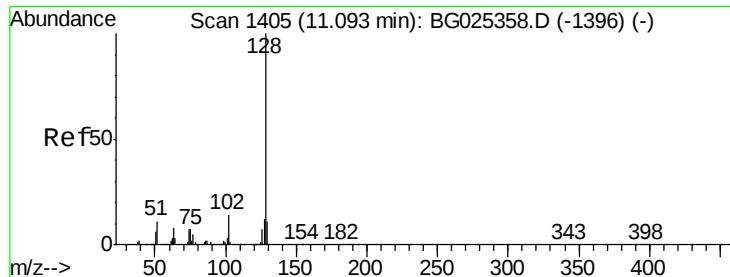
Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

Time-->



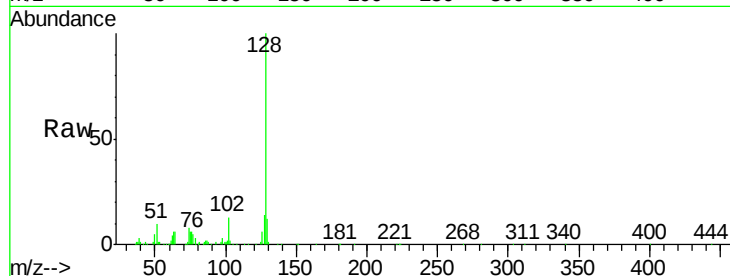
Time-->



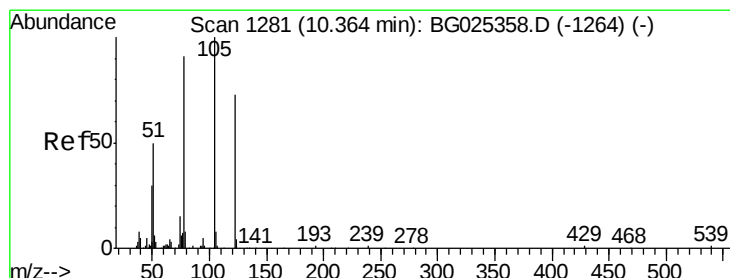
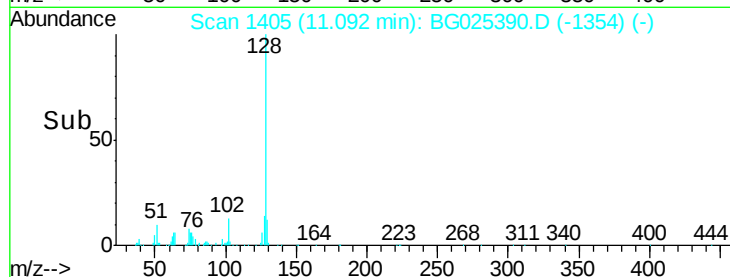
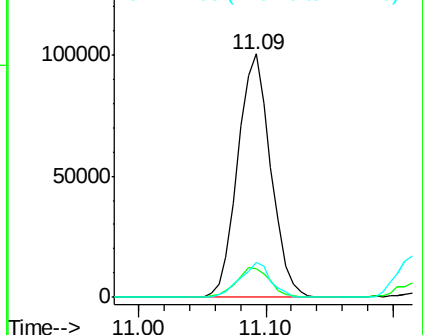
#31
Naphthalene
Concen: 17.01 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:128 Resp: 180744
Ion Ratio Lower Upper
128 100
129 11.8 9.3 13.9
127 14.4 11.4 17.0

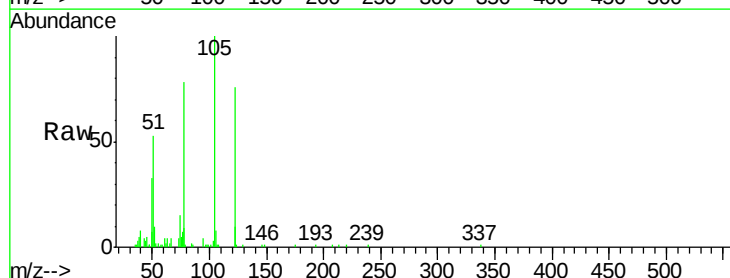


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

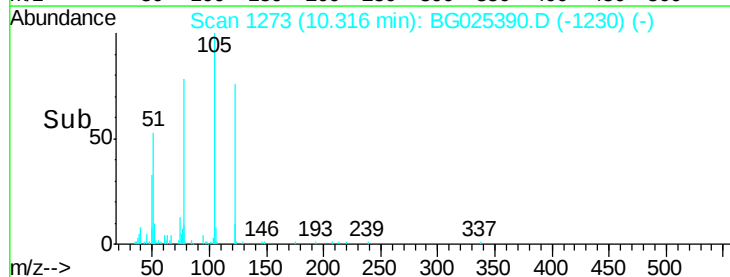
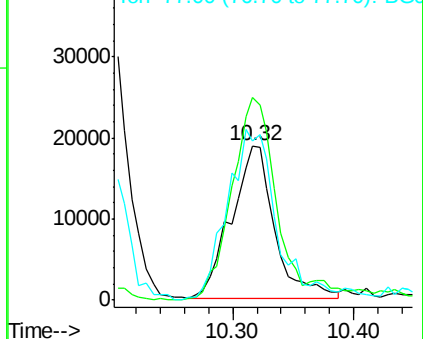


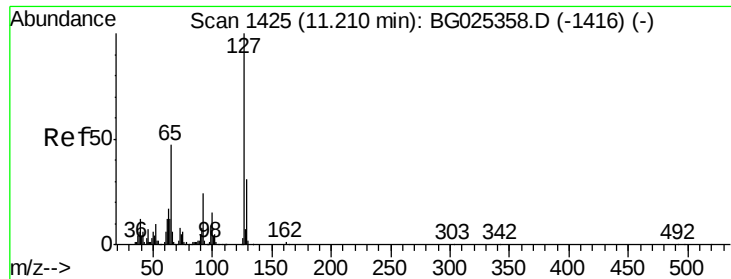
#32
Benzoic acid
Concen: 17.77 ng
RT: 10.32 min Scan# 1273
Delta R.T. -0.05 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:122 Resp: 47475
Ion Ratio Lower Upper
122 100
105 131.2 120.1 160.1
77 102.9 104.6 144.6#



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

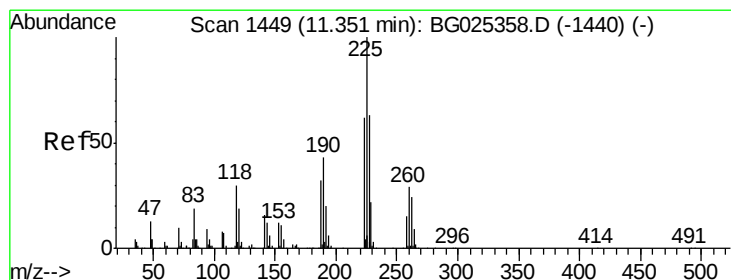
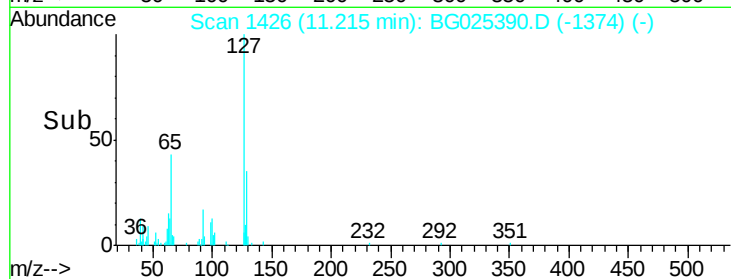
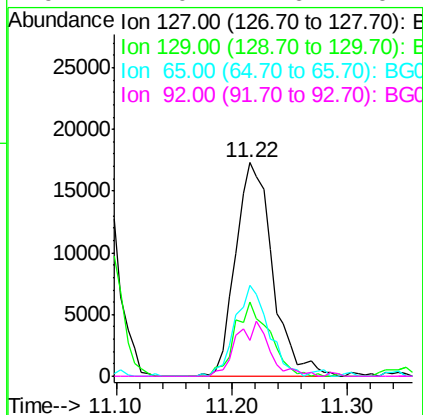
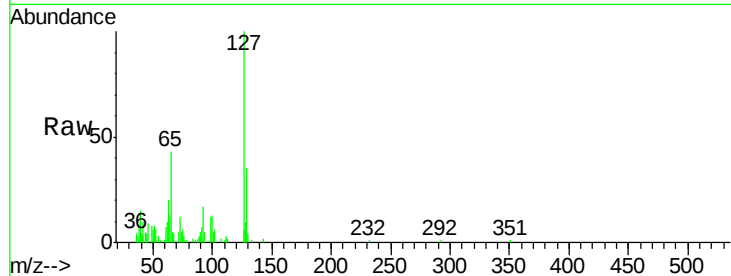




#33
4-Chloroaniline
Concen: 8.61 ng
RT: 11.22 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

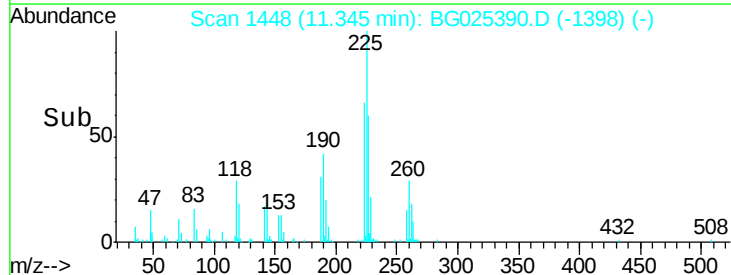
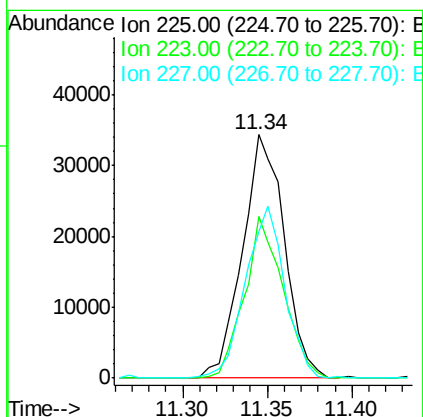
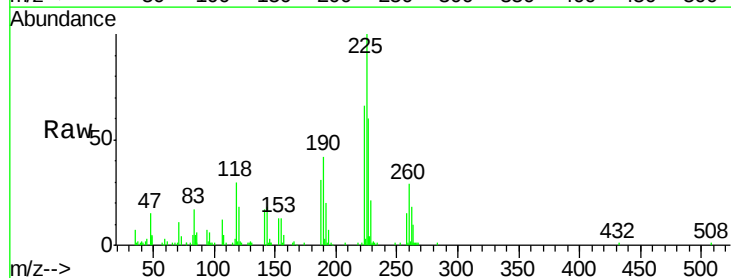
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

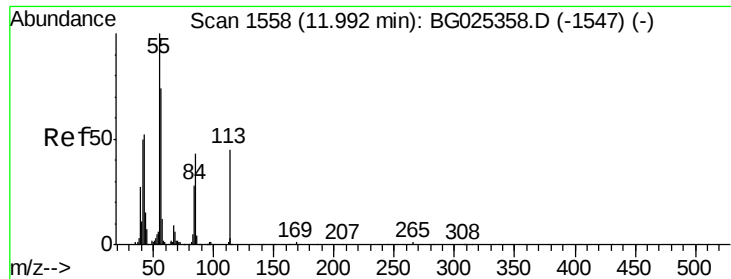
Tgt Ion:	127	Resp:	38485
Ion	Ratio	Lower	Upper
127	100		
129	34.6	23.6	35.4
65	42.5	37.7	56.5
92	17.0	17.6	26.4



#34
Hexachlorobutadiene
Concen: 16.83 ng
RT: 11.34 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:	225	Resp:	58993
Ion	Ratio	Lower	Upper
225	100		
223	66.3	50.7	76.1
227	60.0	49.0	73.6





#35

Caprolactam

Concen: 15.51 ng

RT: 11.98 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

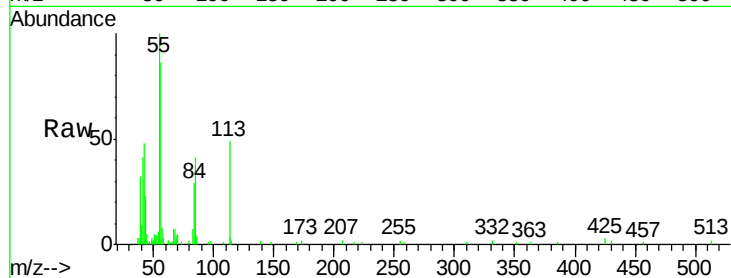
Tgt Ion:113 Resp: 20722

Ion Ratio Lower Upper

113 100

55 205.6 198.6 238.6

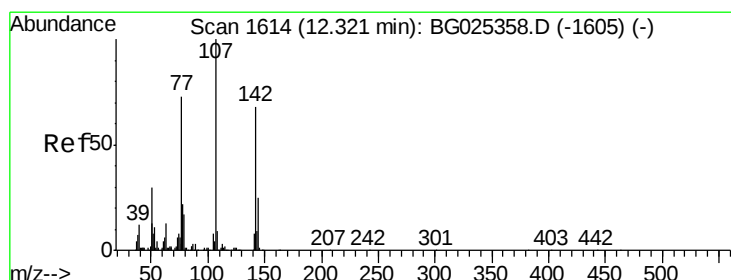
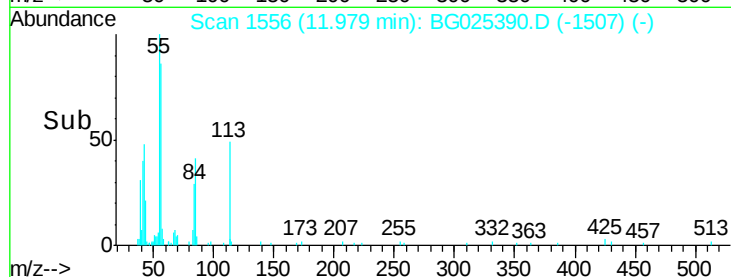
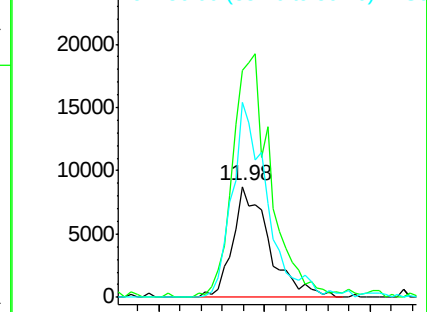
56 176.8 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 17.28 ng

RT: 12.32 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

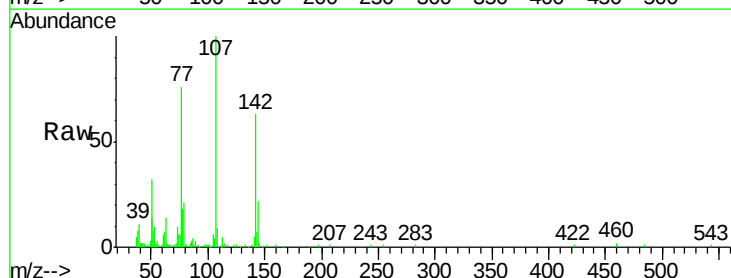
Tgt Ion:107 Resp: 75824

Ion Ratio Lower Upper

107 100

144 22.4 17.4 26.0

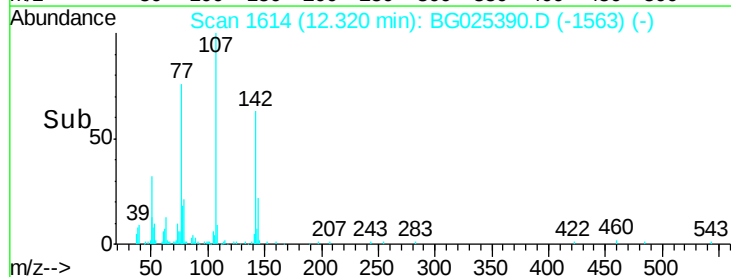
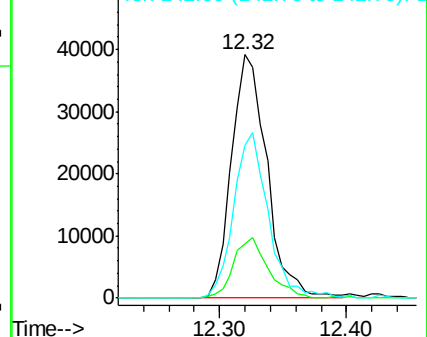
142 62.8 54.1 81.1

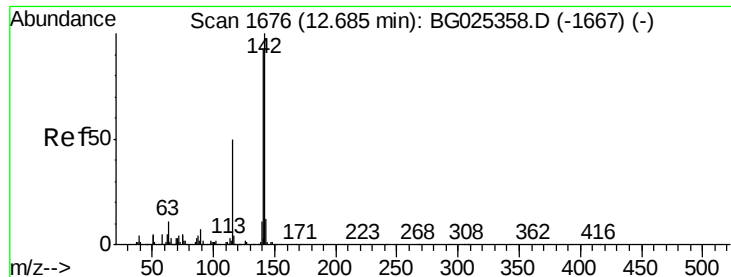


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

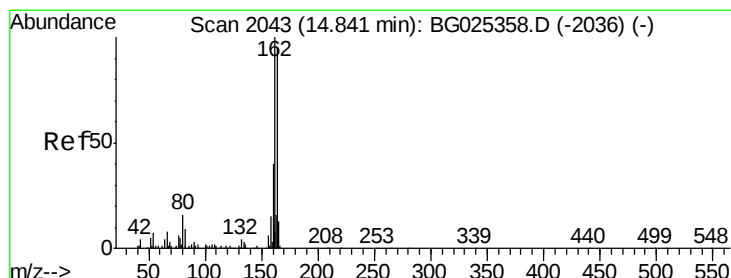
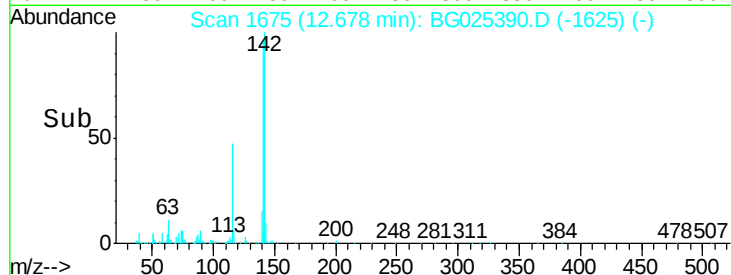
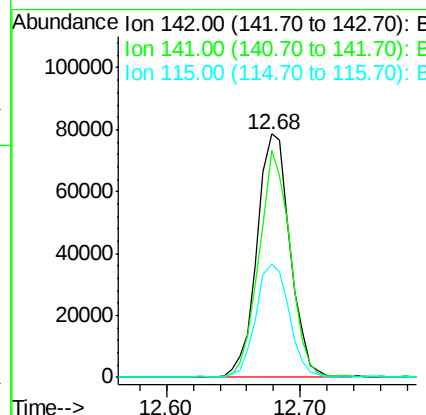
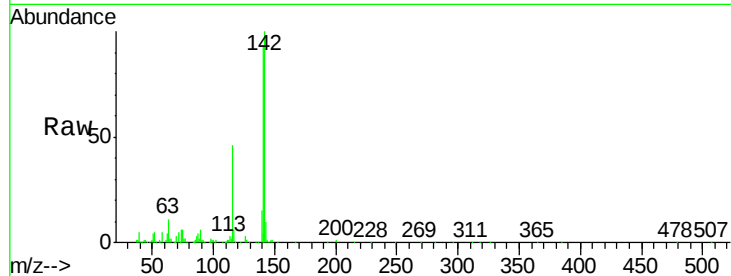




#37
2-Methylnaphthalene
Concen: 17.10 ng
RT: 12.68 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

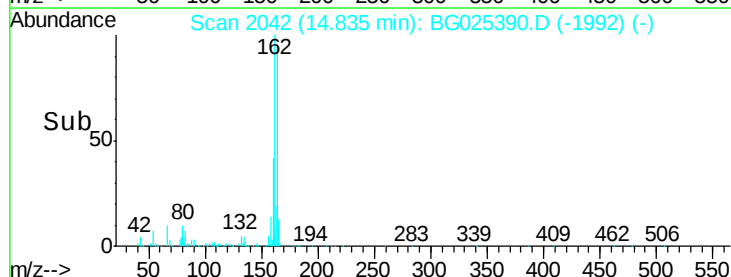
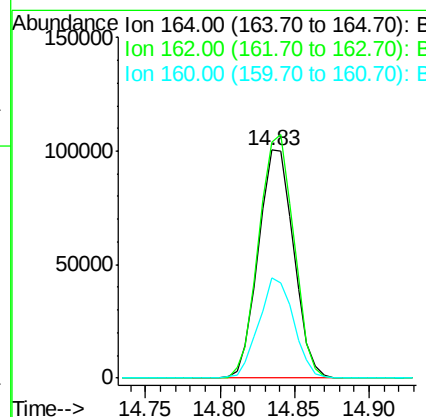
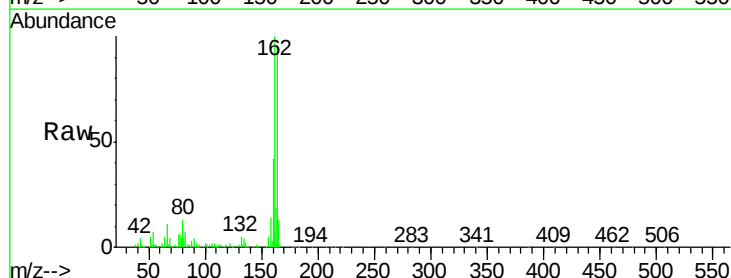
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

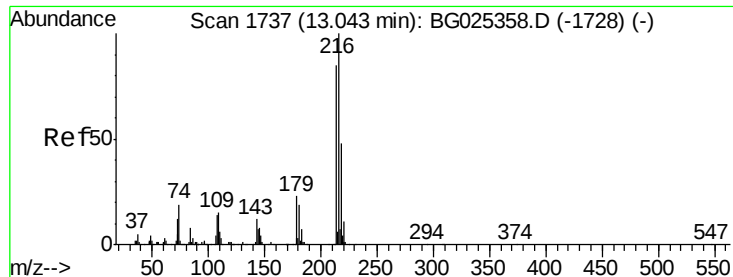
Tgt Ion:142 Resp: 134642
Ion Ratio Lower Upper
142 100
141 93.4 70.4 105.6
115 46.4 35.5 53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.83 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:164 Resp: 163847
Ion Ratio Lower Upper
164 100
162 103.8 85.1 127.7
160 44.0 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 18.61 ng

RT: 13.04 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:216 Resp: 100665

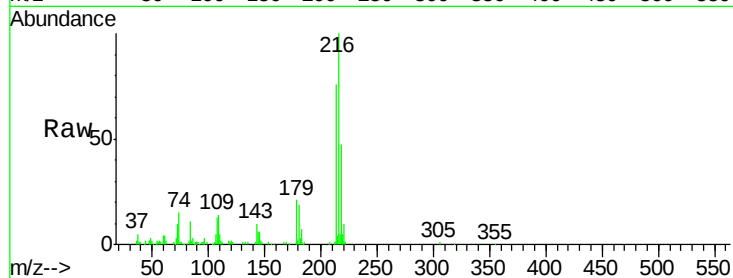
Ion Ratio Lower Upper

216 100

214 77.7 64.4 96.6

179 18.5 17.4 26.0

108 14.1 15.6 23.4#

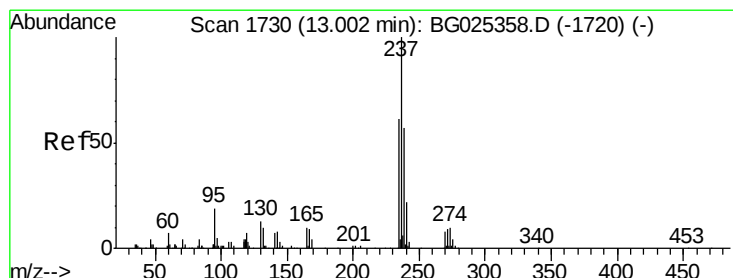
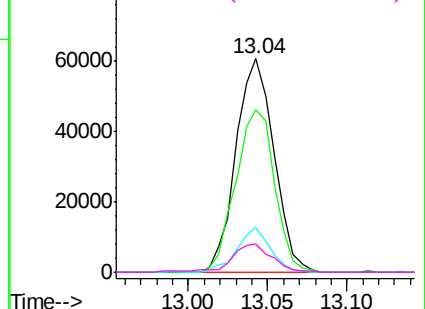
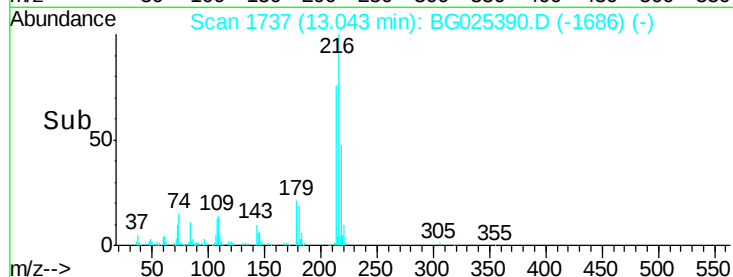


Abundance Ion 216.00 (215.70 to 216.70): E

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: 16.71 ng

RT: 13.01 min Scan# 1731

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

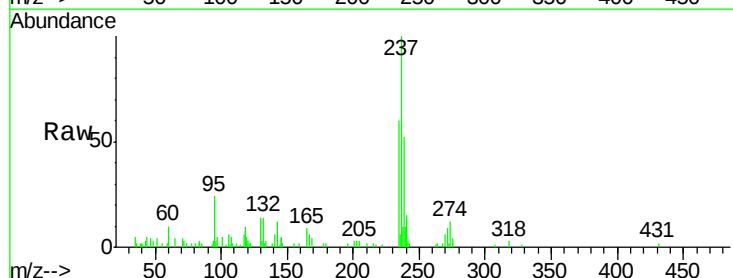
Tgt Ion:237 Resp: 18140

Ion Ratio Lower Upper

237 100

235 60.2 39.4 79.4

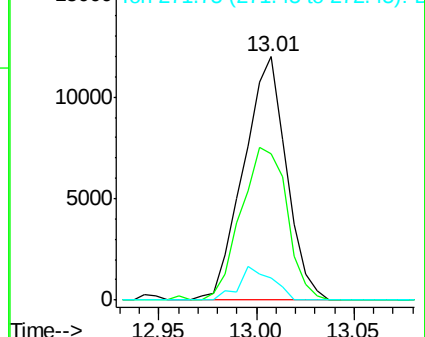
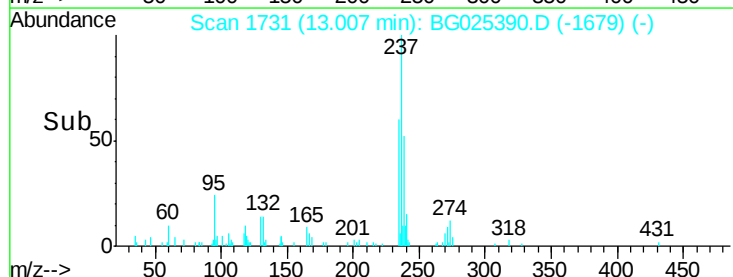
272 9.2 0.0 32.0

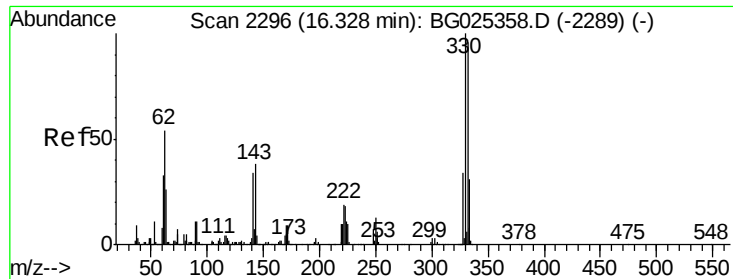


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

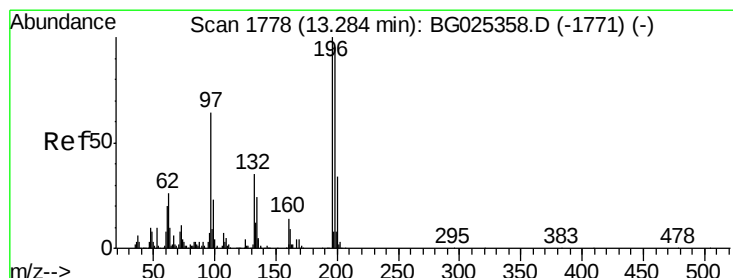
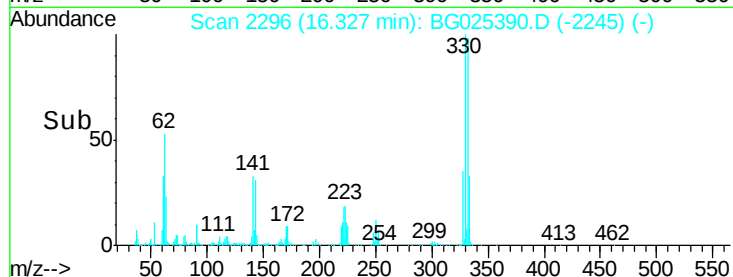
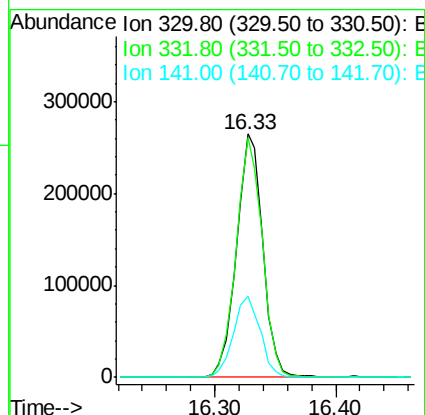
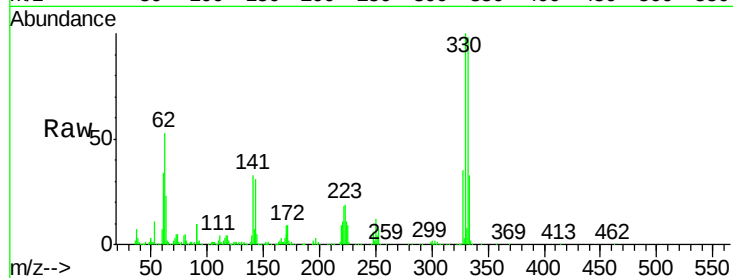




#41
 2,4,6-Tribromophenol
 Concen: 152.21 ng
 RT: 16.33 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

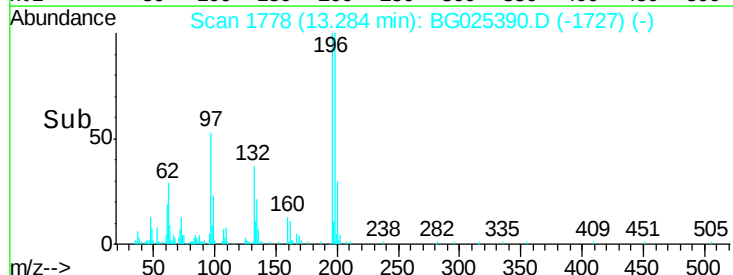
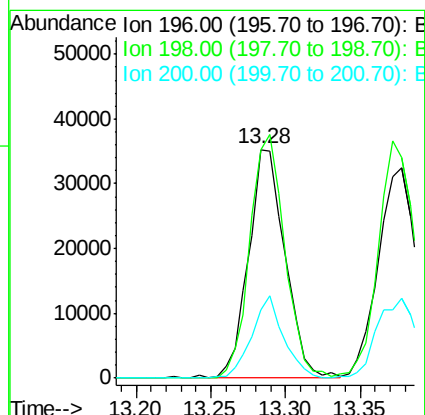
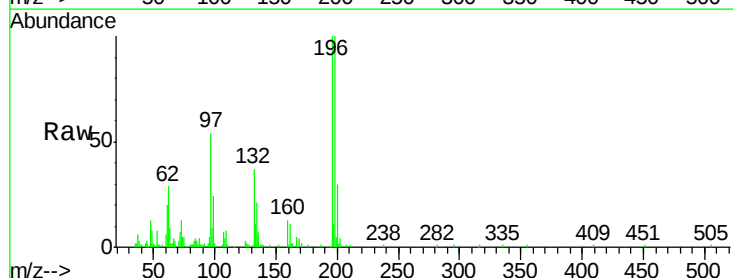
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

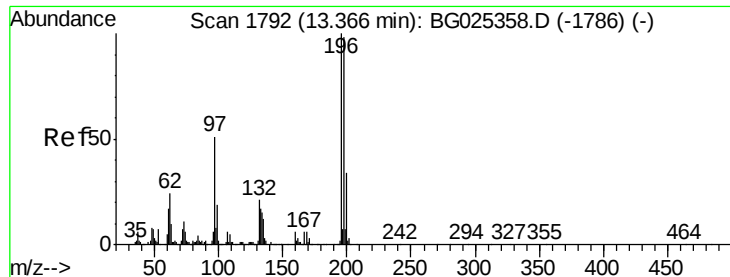
Tgt Ion:330 Resp: 401520
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.3 115.9
 141 34.2 32.1 48.1



#42
 2,4,6-Trichlorophenol
 Concen: 17.49 ng
 RT: 13.28 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion:196 Resp: 59583
 Ion Ratio Lower Upper
 196 100
 198 99.6 81.4 122.2
 200 29.6 27.0 40.6

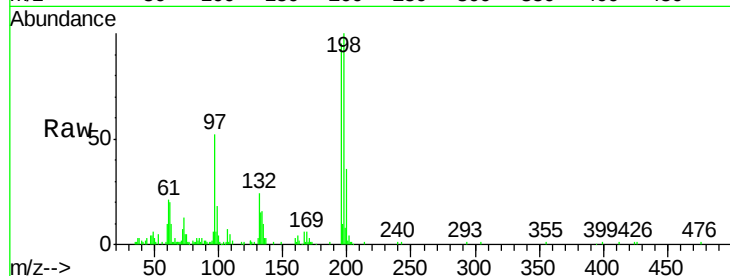




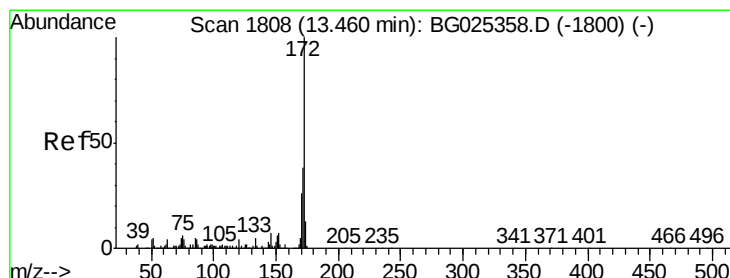
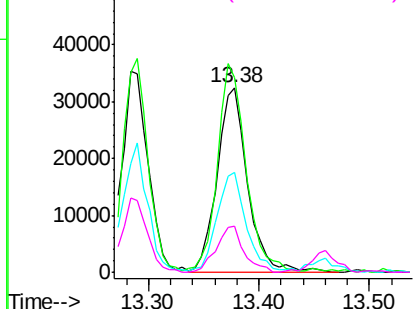
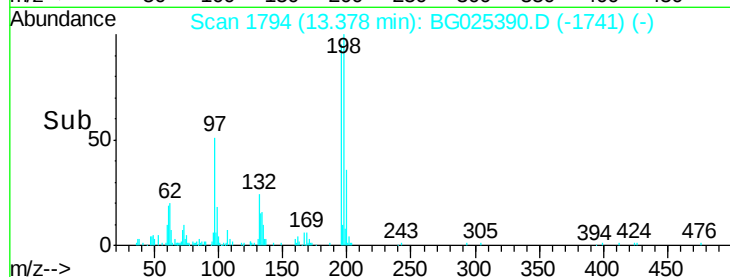
#43
2,4,5-Trichlorophenol
Concen: 17.50 ng
RT: 13.38 min Scan# 1794
Delta R.T. 0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:196 Resp: 62389
Ion Ratio Lower Upper
196 100
198 105.2 79.9 119.9
97 54.4 45.4 68.0
132 24.9 20.7 31.1

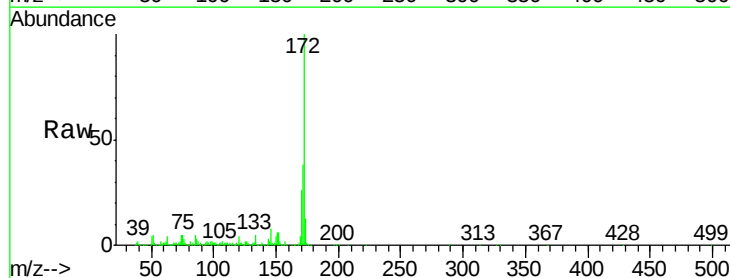


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

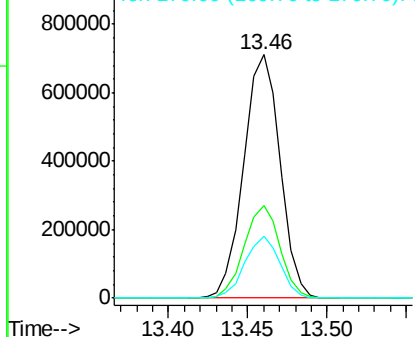
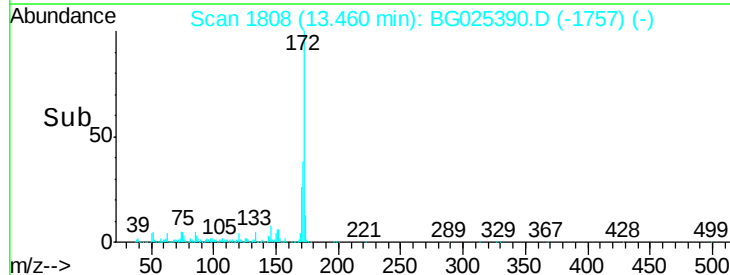


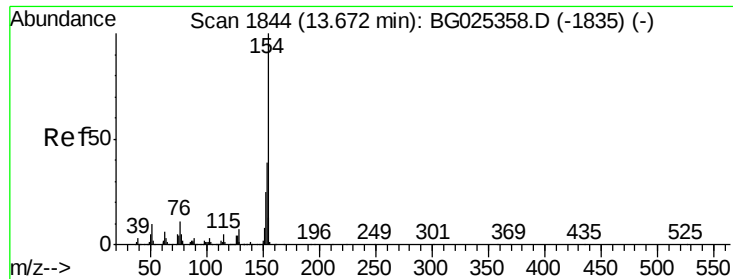
#44
2-Fluorobiphenyl
Concen: 112.11 ng
RT: 13.46 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:172 Resp: 1134610
Ion Ratio Lower Upper
172 100
171 37.8 32.2 48.2
170 25.6 21.8 32.6



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

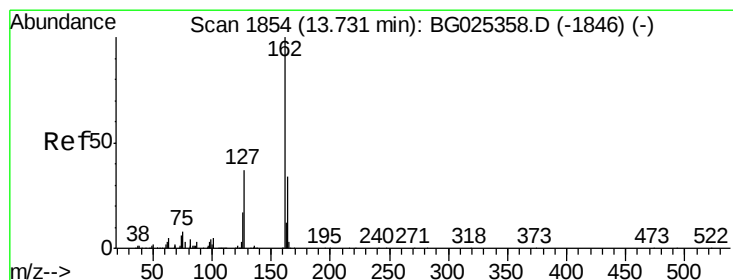
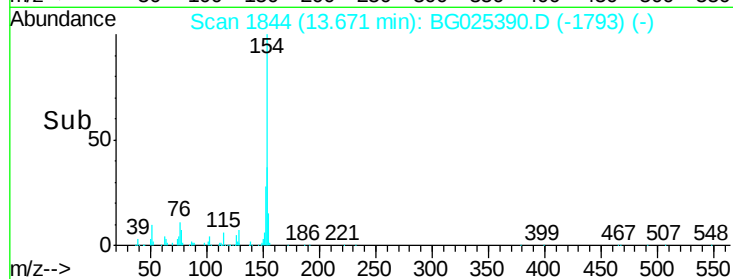
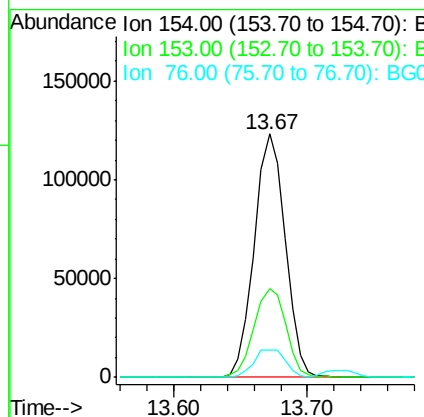
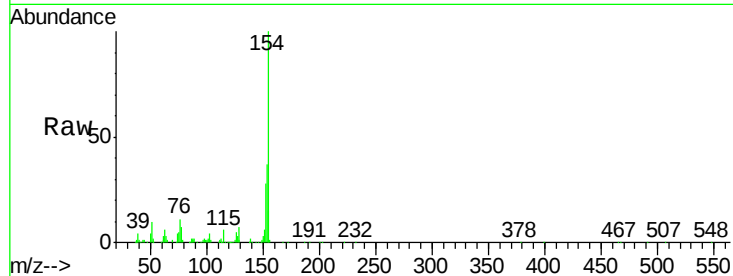




#45
 1,1'-Biphenyl
 Concen: 17.91 ng
 RT: 13.67 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

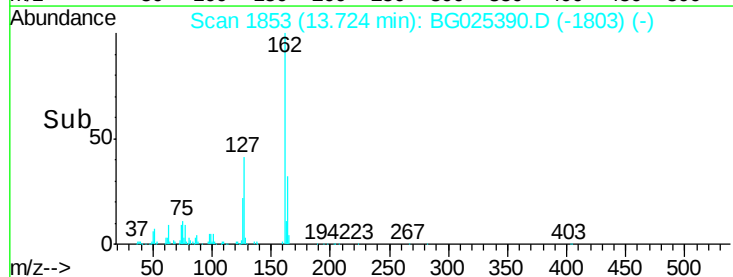
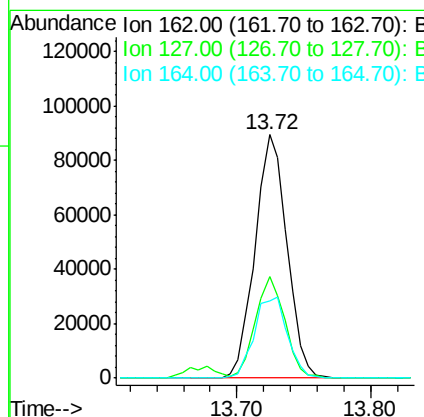
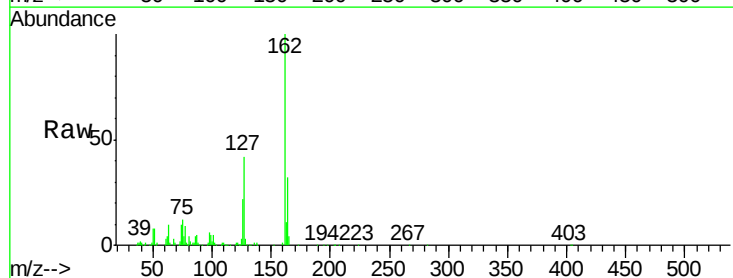
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

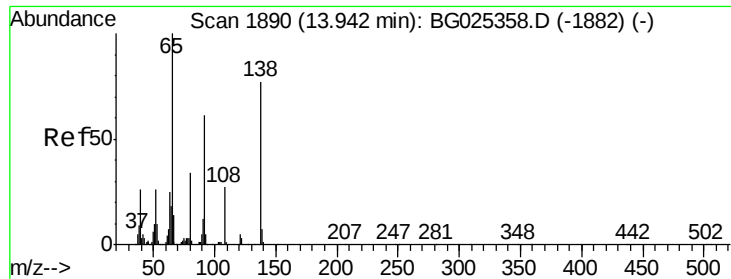
Tgt Ion:	154	Resp:	197336
Ion	Ratio	Lower	Upper
154	100		
153	36.5	23.0	63.0
76	11.2	0.0	33.5



#46
 2-Chloronaphthalene
 Concen: 17.09 ng
 RT: 13.72 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion:	162	Resp:	147161
Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.2	48.4
164	31.6	27.3	40.9

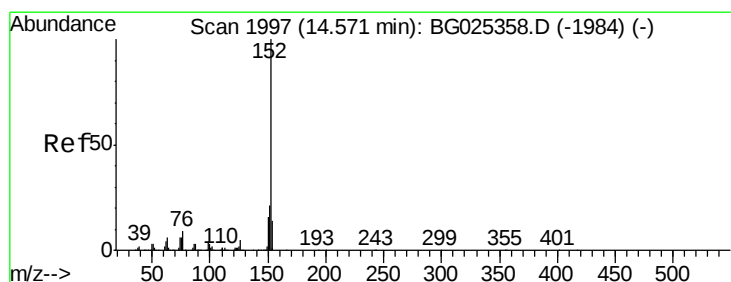
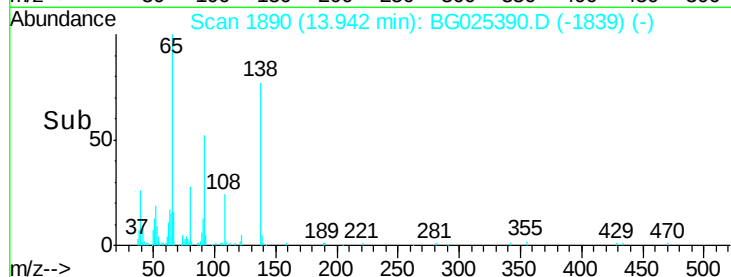
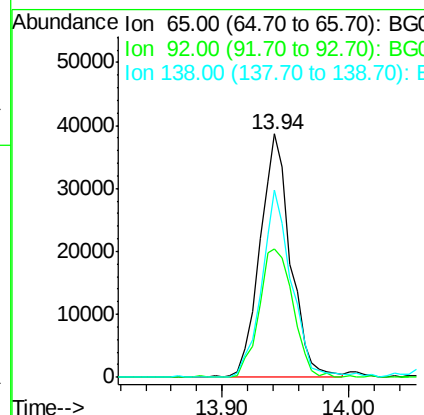
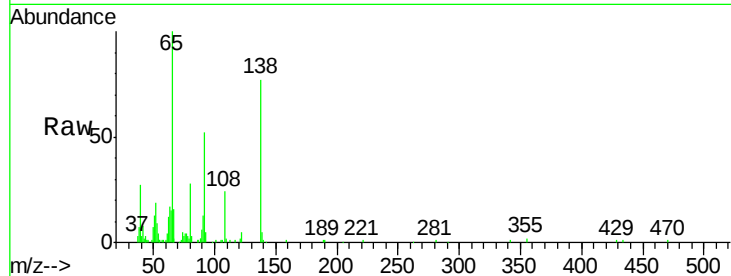




#47
2-Nitroaniline
Concen: 17.88 ng
RT: 13.94 min Scan# 1890
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

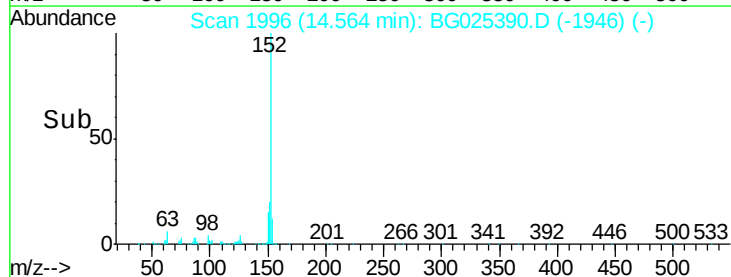
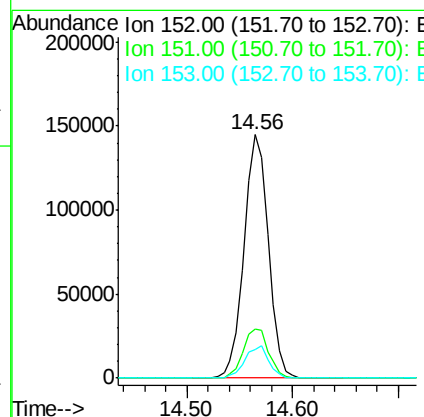
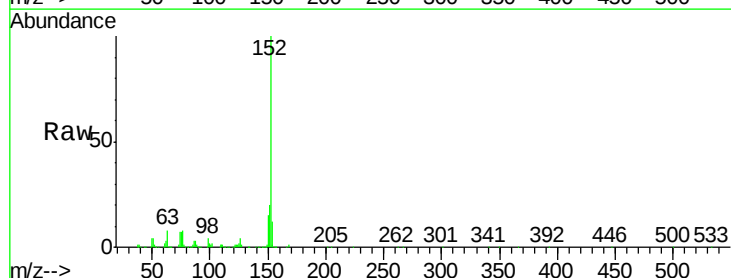
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

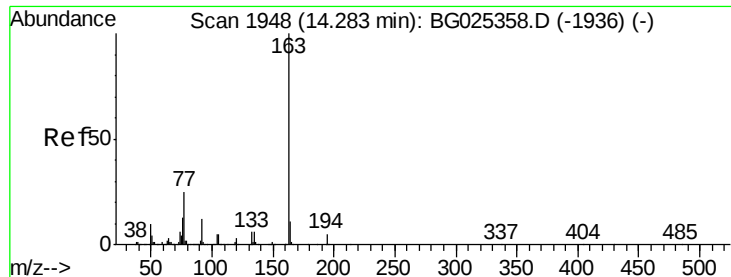
Tgt Ion	Ratio	Lower	Upper
65	100		
92	52.5	49.0	73.4
138	76.8	58.6	87.8



#48
Acenaphthylene
Concen: 17.25 ng
RT: 14.56 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	18.2	27.2
153	12.0	11.3	16.9

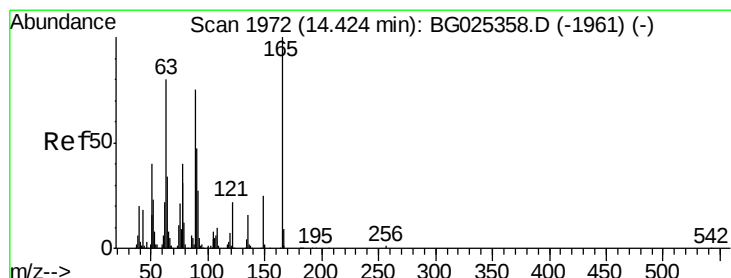
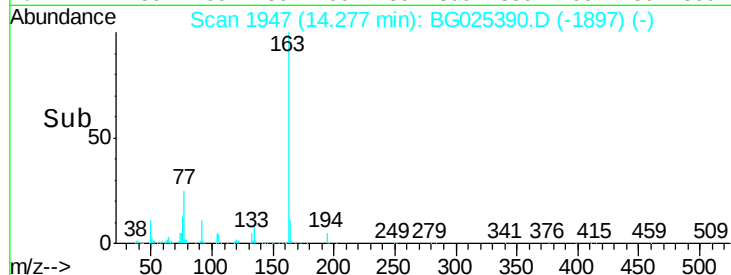
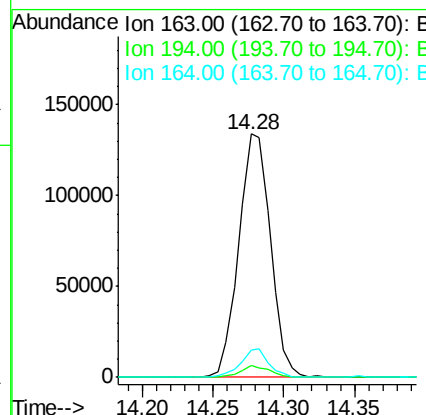
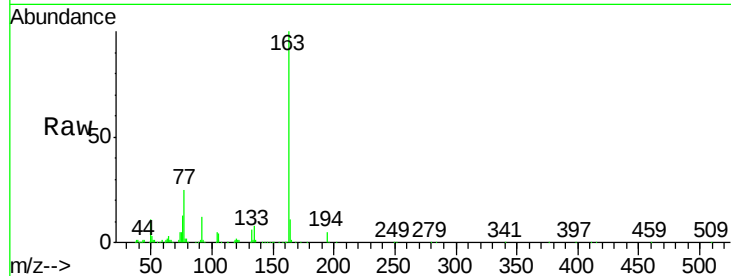




#49
Dimethylphthalate
Concen: 17.59 ng
RT: 14.28 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

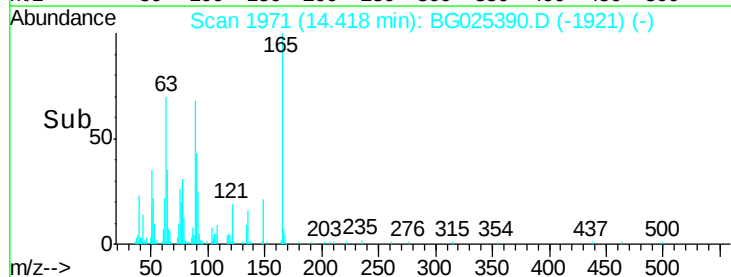
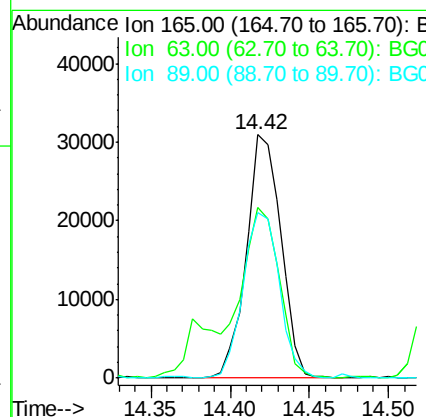
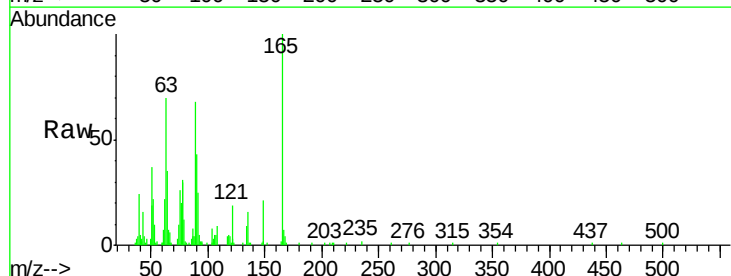
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

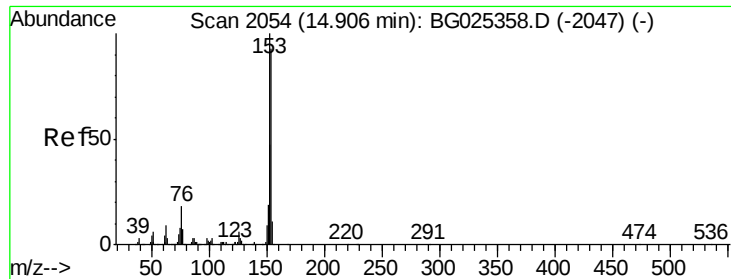
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.8	5.6
164	11.4	9.3	13.9



#50
2,6-Dinitrotoluene
Concen: 17.97 ng
RT: 14.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	69.8	63.9	95.9
89	68.2	58.6	88.0





#51

Acenaphthene

Concen: 17.58 ng

RT: 14.90 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

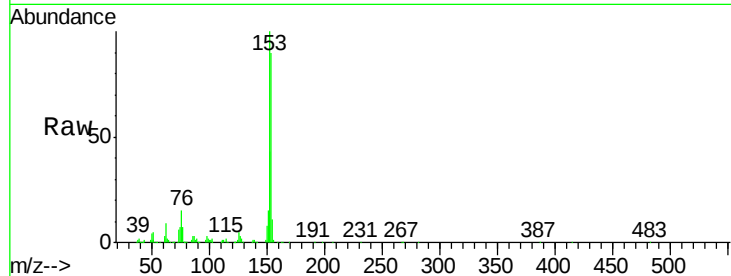
Tgt Ion:154 Resp: 153468

Ion Ratio Lower Upper

154 100

153 111.0 87.8 131.6

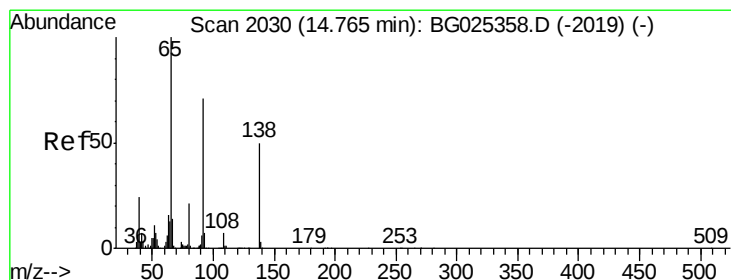
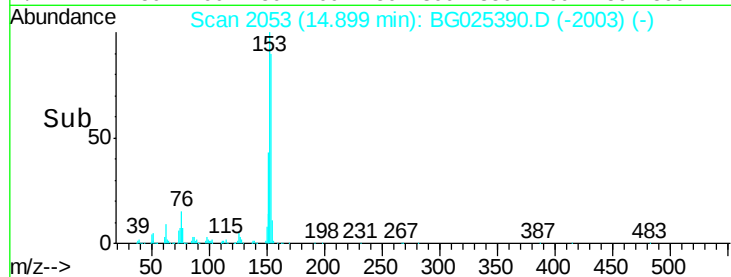
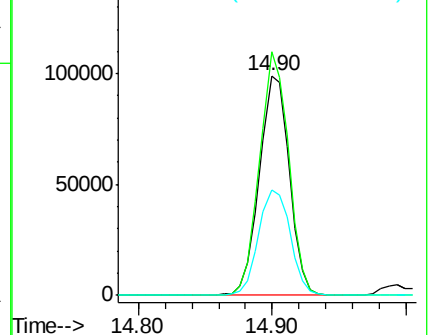
152 48.2 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 13.48 ng

RT: 14.77 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

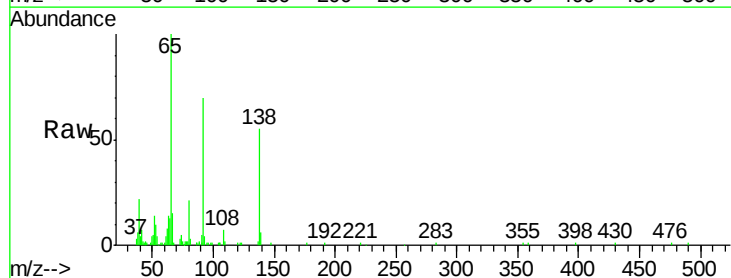
Tgt Ion:138 Resp: 33811

Ion Ratio Lower Upper

138 100

108 12.8 10.9 16.3

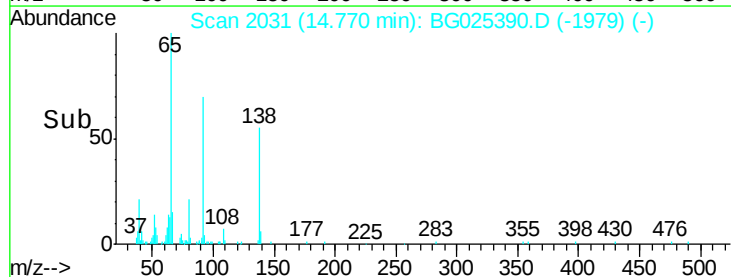
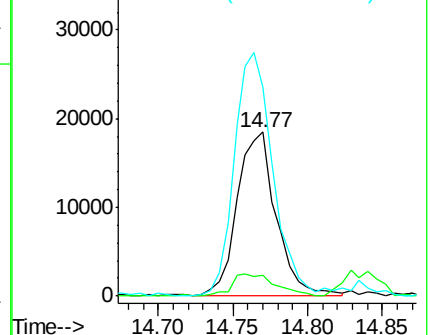
92 127.8 115.3 172.9

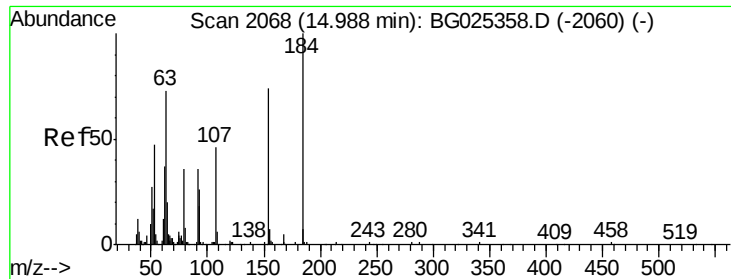


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#53

2,4-Dinitrophenol

Concen: 11.99 ng

RT: 14.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

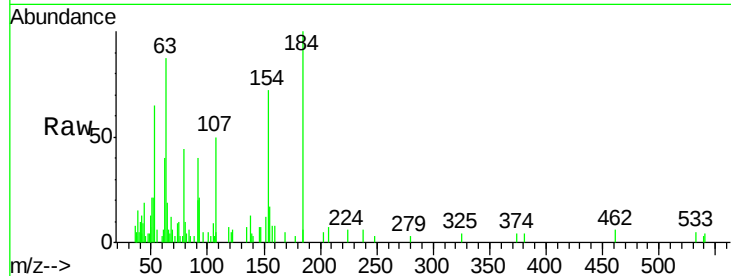
Tgt Ion:184 Resp: 12637

Ion Ratio Lower Upper

184 100

63 86.5 52.7 79.1#

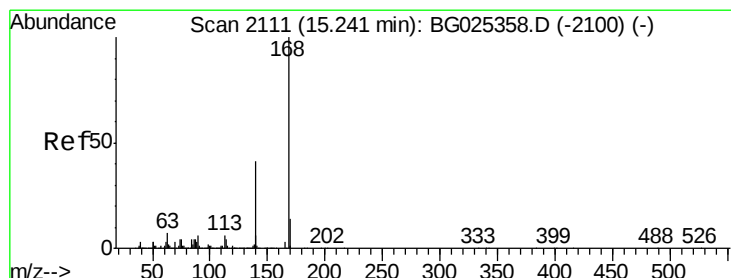
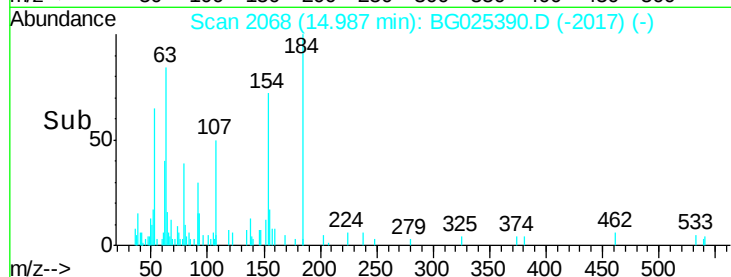
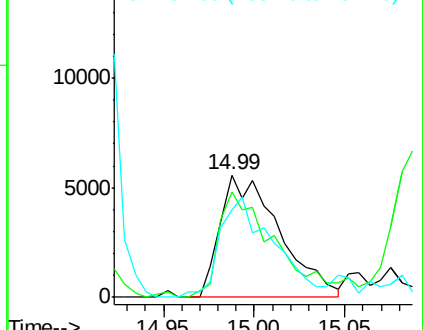
154 71.6 57.3 85.9



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: 17.93 ng

RT: 15.23 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

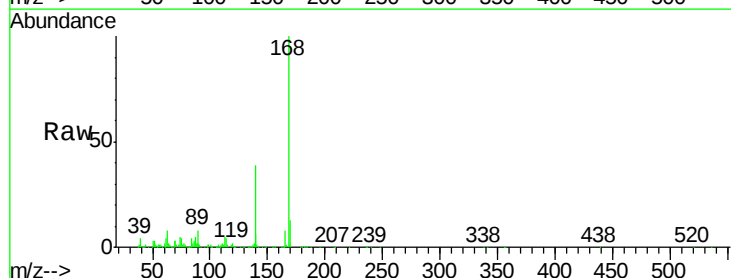
Tgt Ion:168 Resp: 247375

Ion Ratio Lower Upper

168 100

139 38.8 35.3 52.9

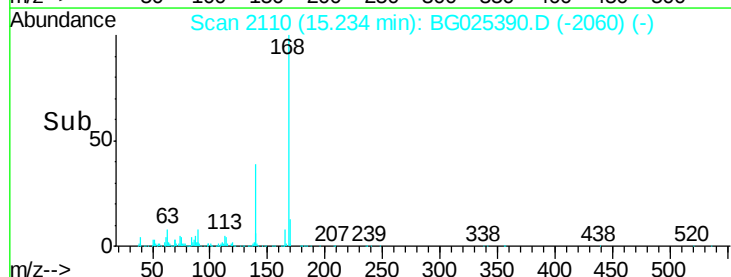
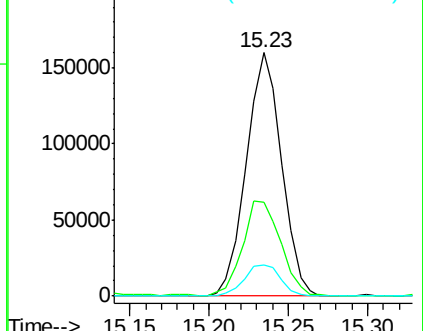
169 13.0 11.5 17.3

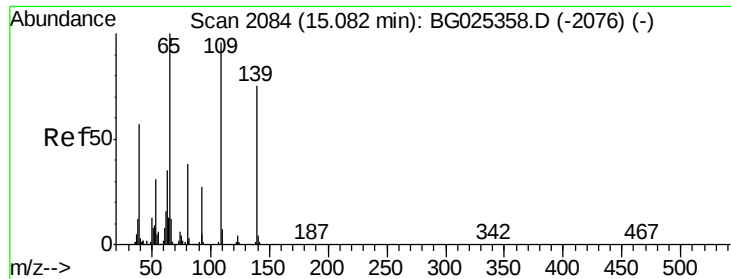


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 15.92 ng

RT: 15.09 min Scan# 2085

Delta R.T. 0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

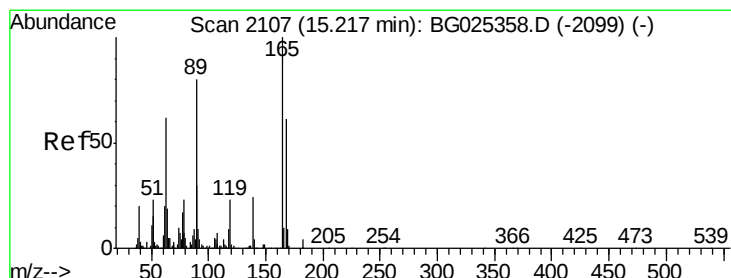
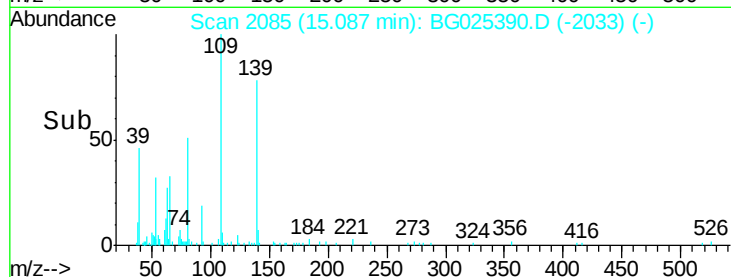
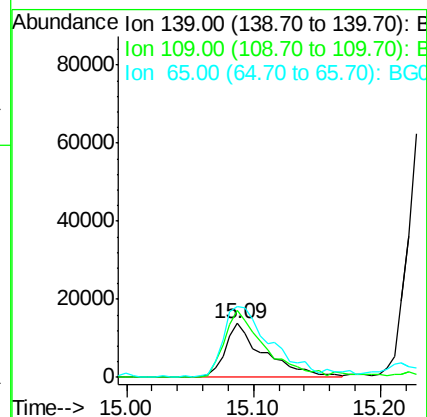
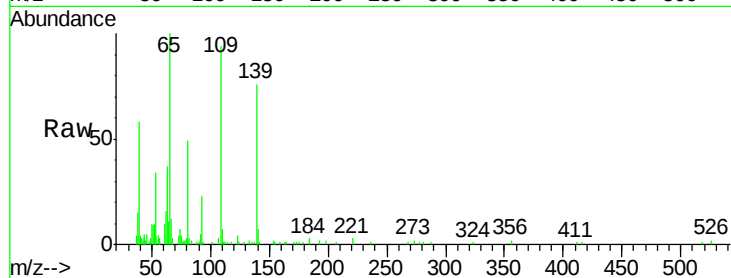
Tgt Ion:139 Resp: 29822

Ion Ratio Lower Upper

139 100

109 124.0 101.2 141.2

65 132.0 135.3 175.3#



#56

2,4-Dinitrotoluene

Concen: 17.53 ng

RT: 15.22 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Tgt Ion:165 Resp: 66596

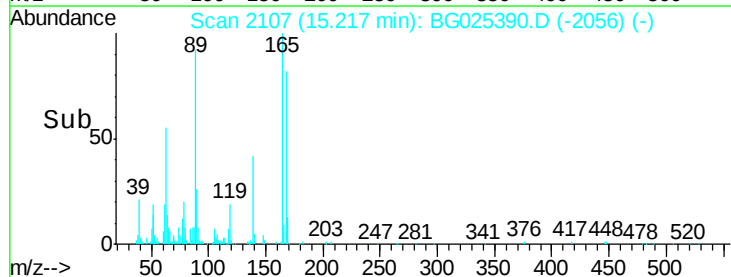
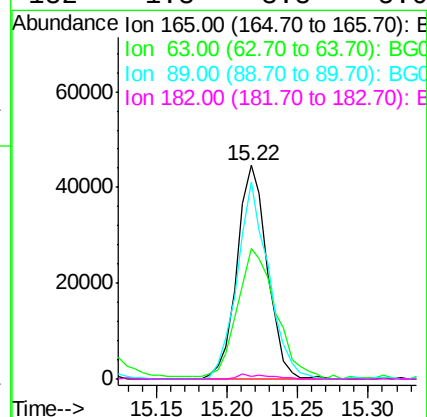
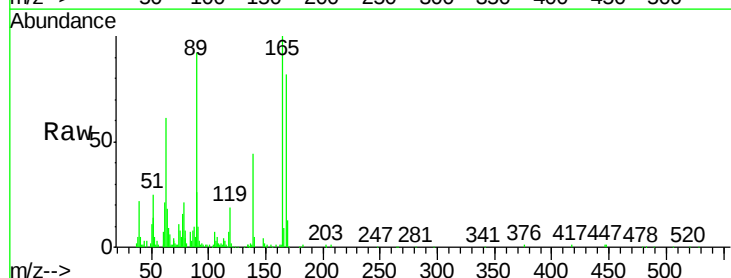
Ion Ratio Lower Upper

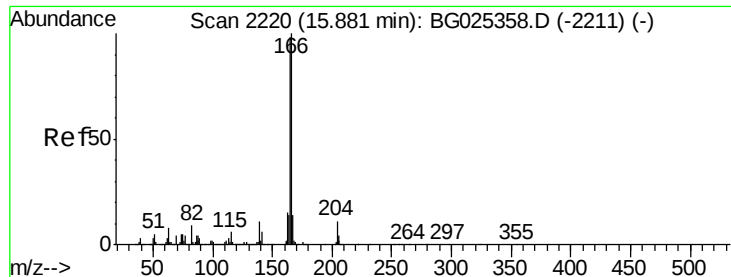
165 100

63 61.2 44.0 66.0

89 92.1 67.3 100.9

182 1.3 3.8 5.6#





#57

Fluorene

Concen: 17.78 ng

RT: 15.88 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

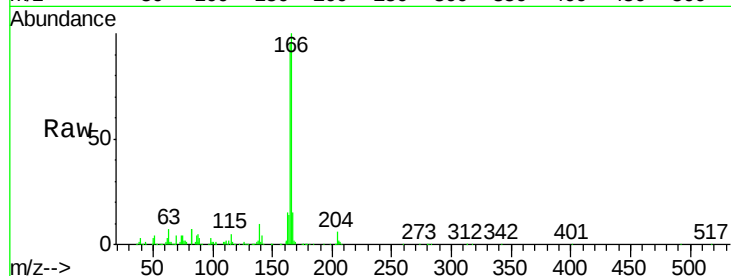
Tgt Ion:166 Resp: 205423

Ion Ratio Lower Upper

166 100

165 95.8 78.6 117.8

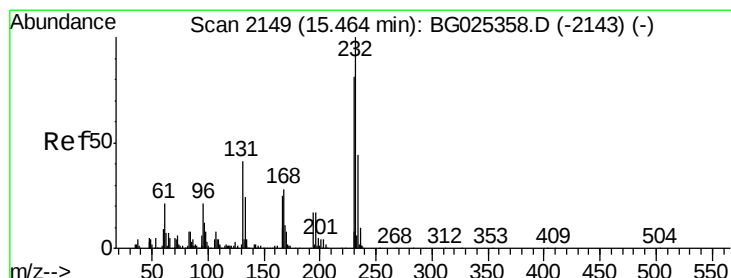
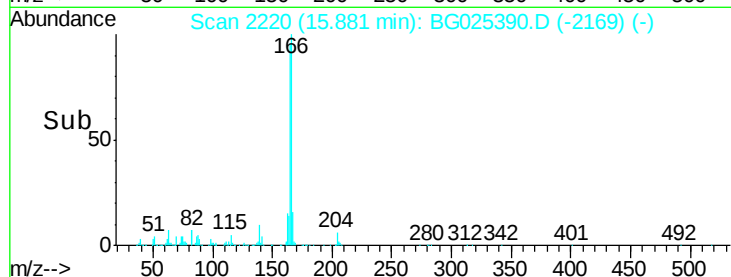
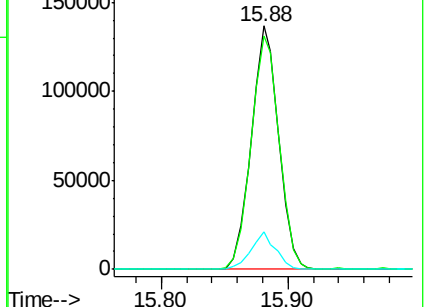
167 15.5 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 16.74 ng

RT: 15.46 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Tgt Ion:232 Resp: 63931

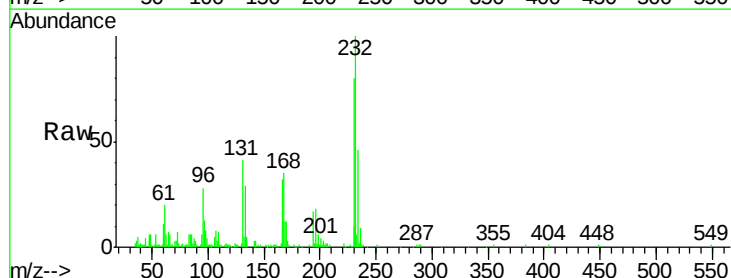
Ion Ratio Lower Upper

232 100

131 40.0 34.9 52.3

130 2.1 2.3 3.5#

166 29.0 24.2 36.4

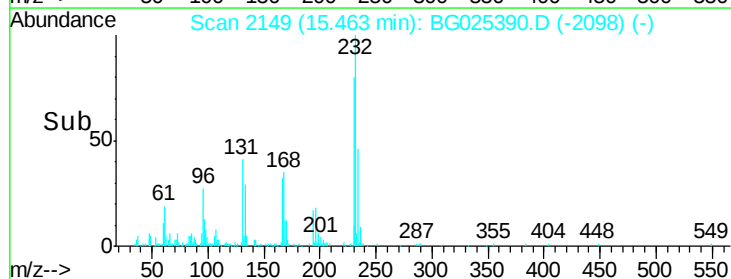
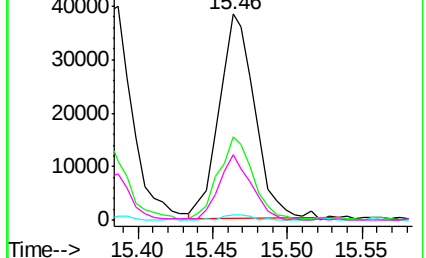


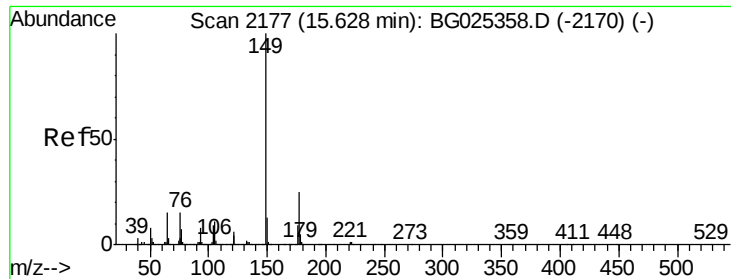
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 17.53 ng

RT: 15.63 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

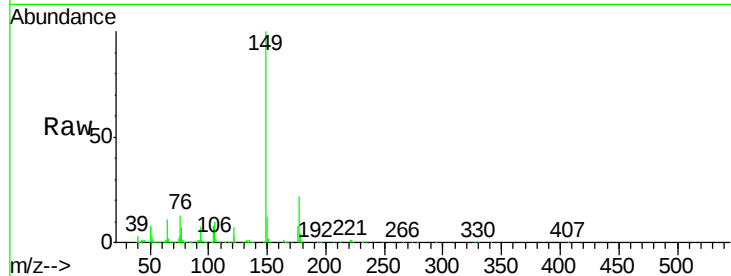
Tgt Ion:149 Resp: 219546

Ion Ratio Lower Upper

149 100

177 22.2 20.1 30.1

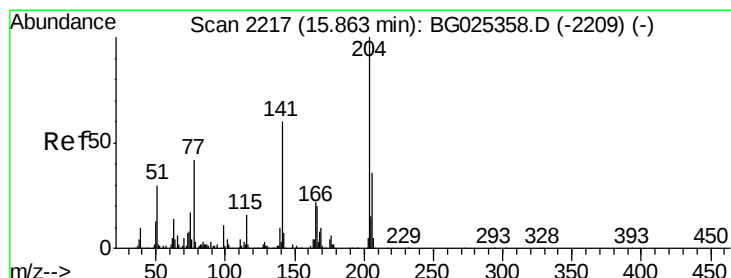
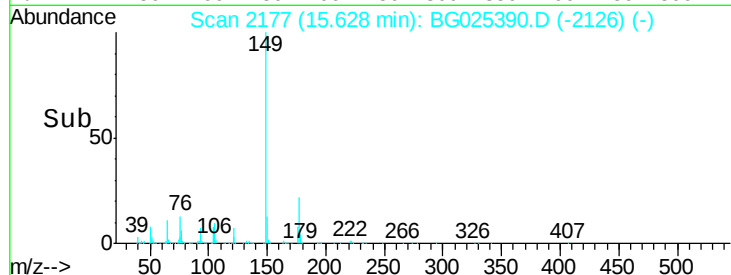
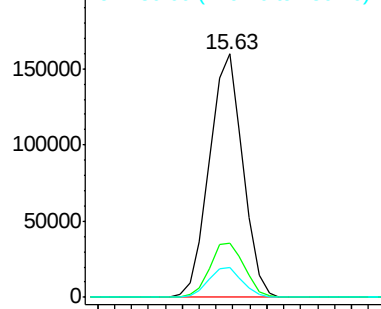
150 12.5 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 18.37 ng

RT: 15.86 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

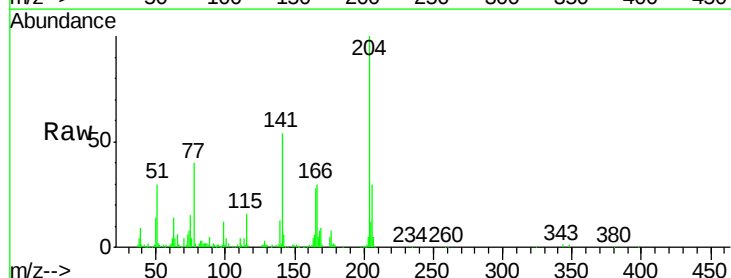
Tgt Ion:204 Resp: 120270

Ion Ratio Lower Upper

204 100

206 30.0 30.1 45.1#

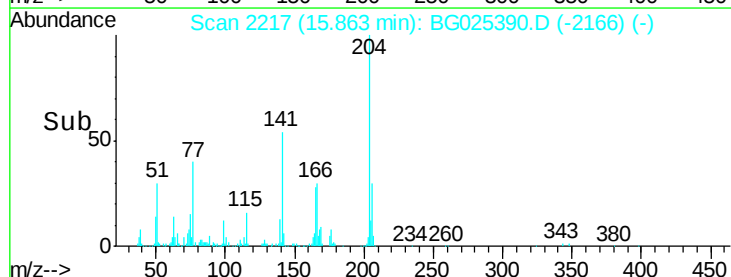
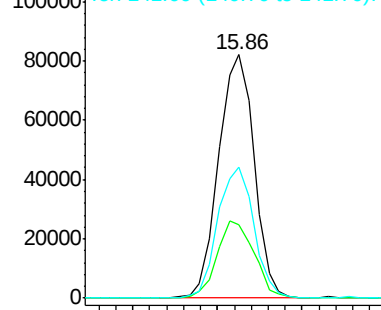
141 53.8 50.6 76.0

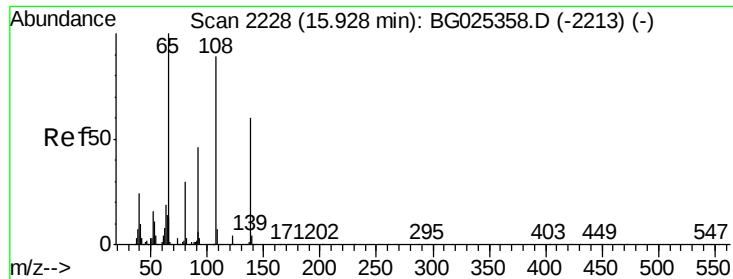


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

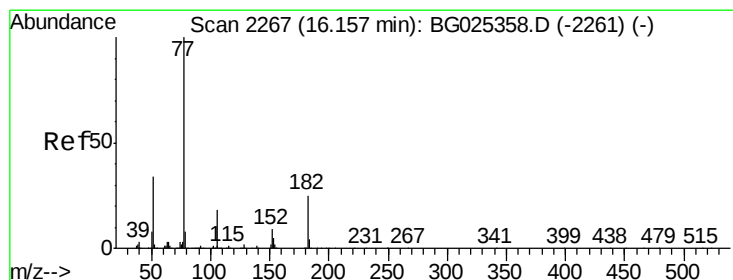
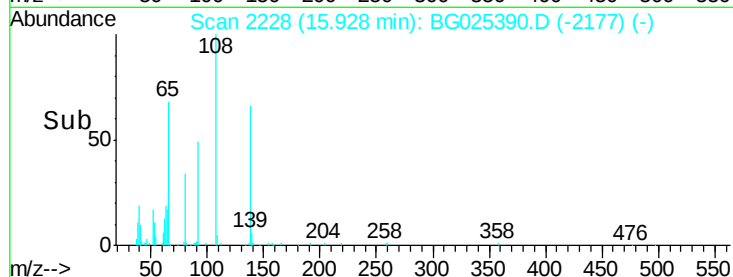
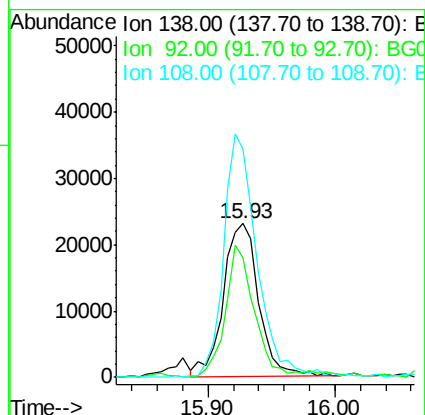
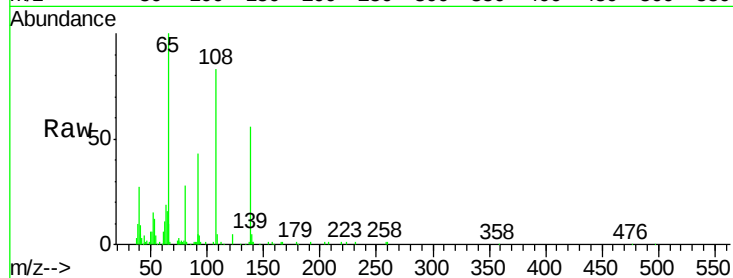




#61
4-Nitroaniline
Concen: 17.58 ng
RT: 15.93 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

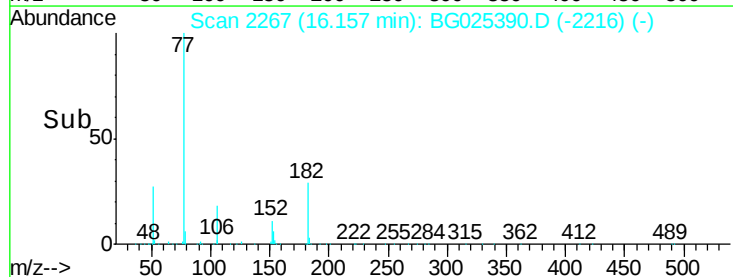
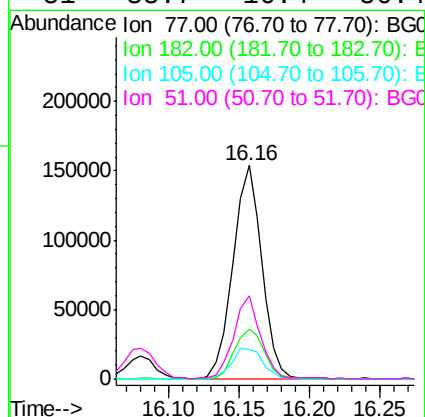
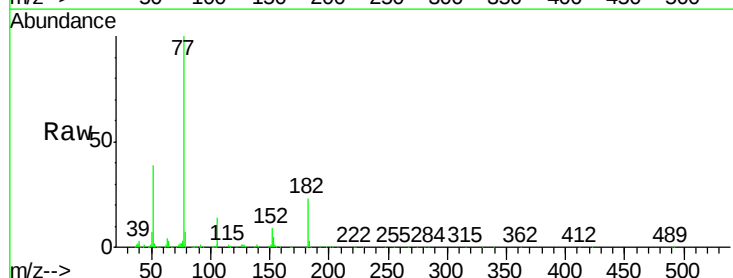
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

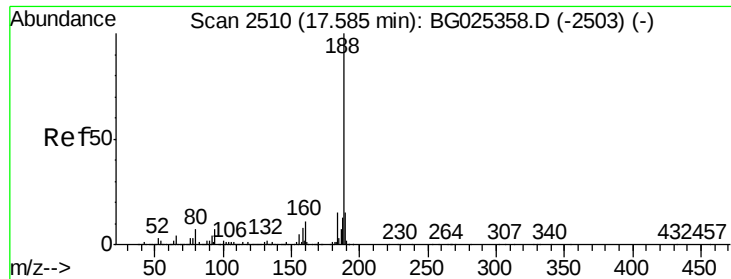
Tgt Ion:138 Resp: 44368
Ion Ratio Lower Upper
138 100
92 77.9 44.2 84.2
108 148.9 104.8 144.8#



#62
Azobenzene
Concen: 18.18 ng
RT: 16.16 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion: 77 Resp: 219666
Ion Ratio Lower Upper
77 100
182 23.3 4.7 44.7
105 14.1 0.0 36.3
51 38.7 16.4 56.4

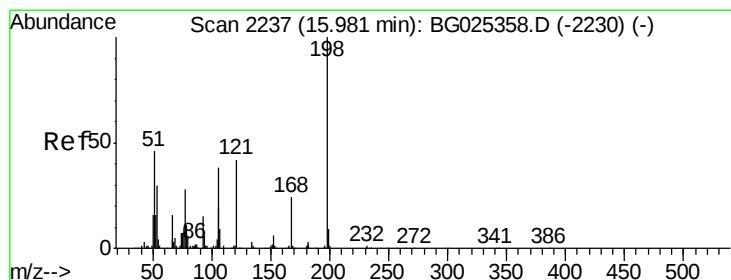
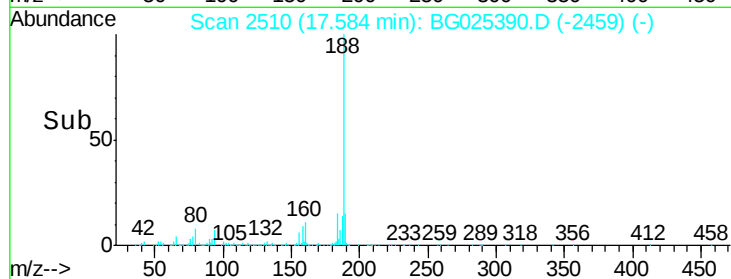
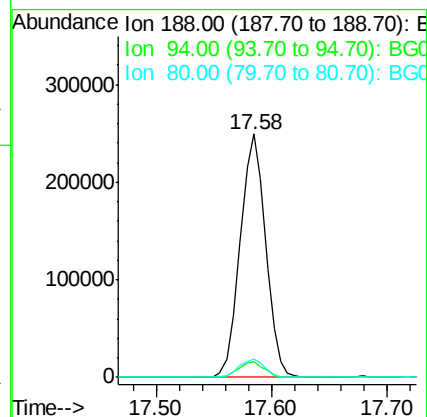
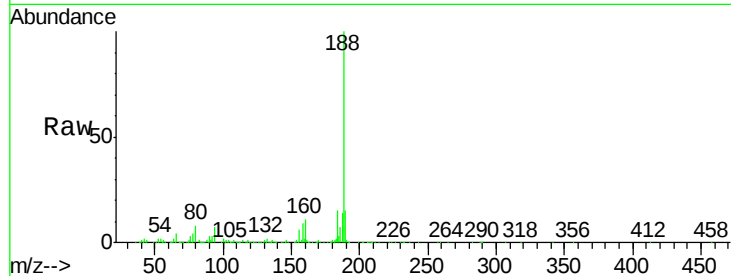




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.58 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

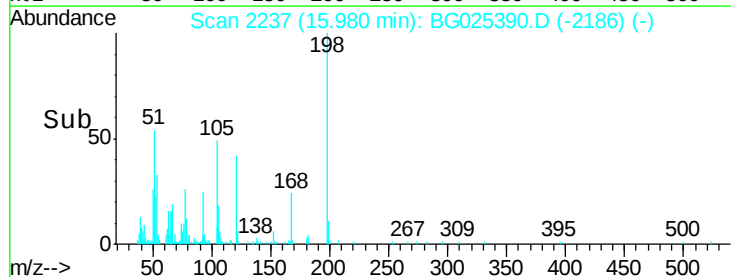
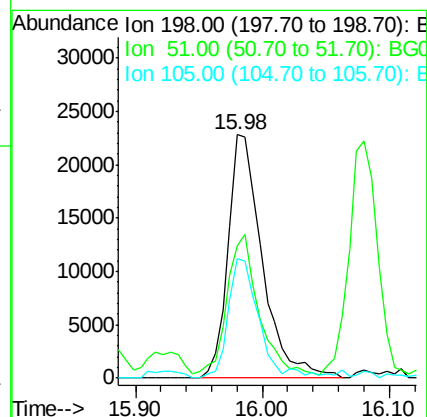
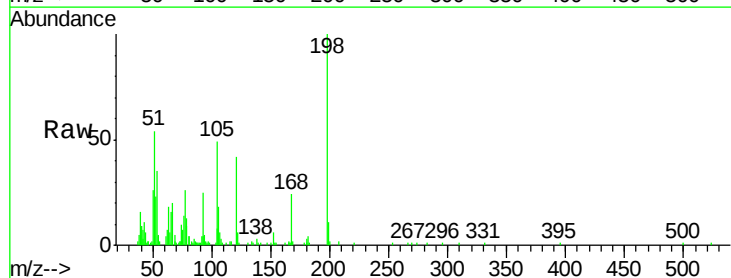
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

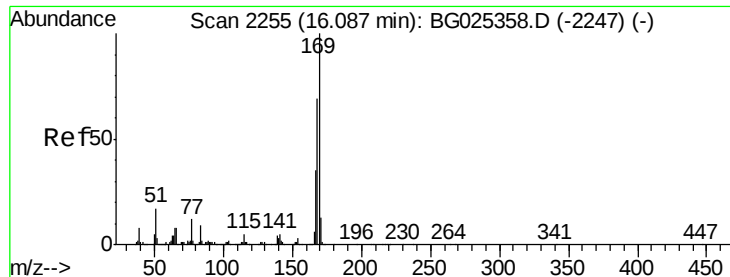
Tgt Ion:188 Resp: 380206
Ion Ratio Lower Upper
188 100
94 6.7 5.8 8.8
80 7.7 7.5 11.3



#64
4,6-Dinitro-2-methylphenol
Concen: 16.24 ng
RT: 15.98 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion:198 Resp: 42765
Ion Ratio Lower Upper
198 100
51 54.2 22.6 62.6
105 48.8 14.4 54.4

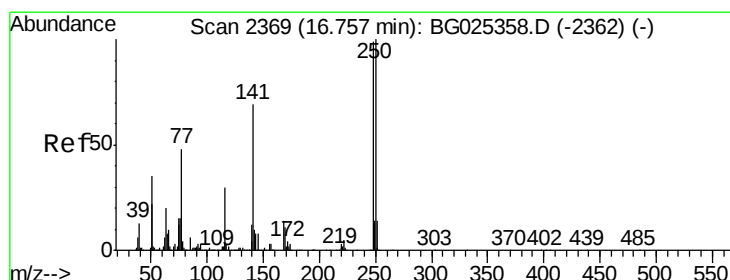
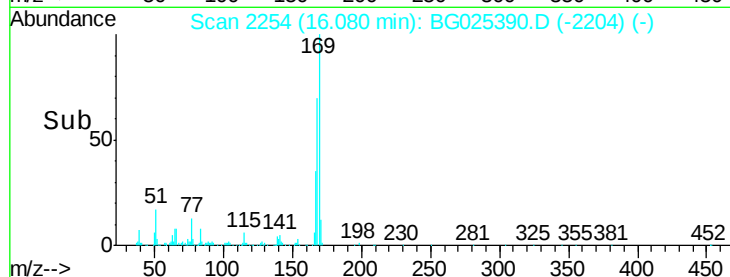
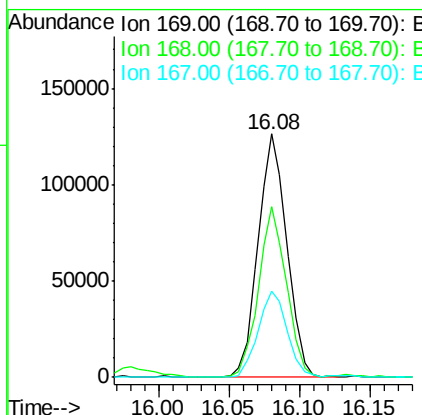
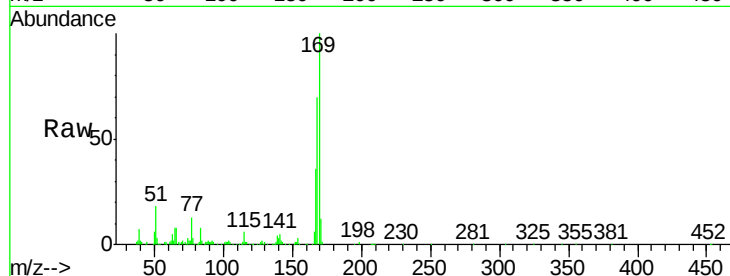




#65
n-Nitrosodiphenylamine
Concen: 17.71 ng
RT: 16.08 min Scan# 2254
Delta R.T. -0.01 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

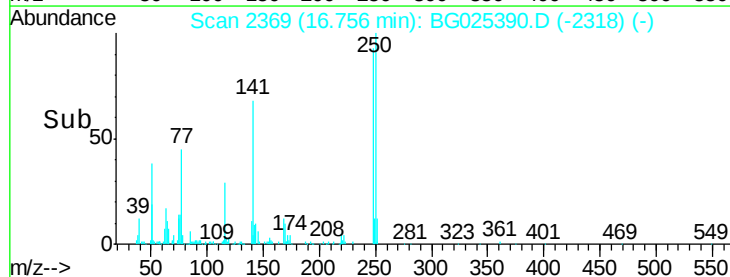
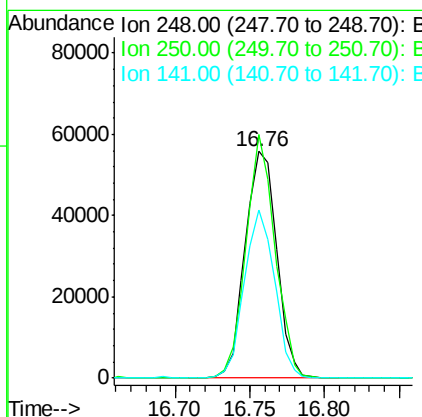
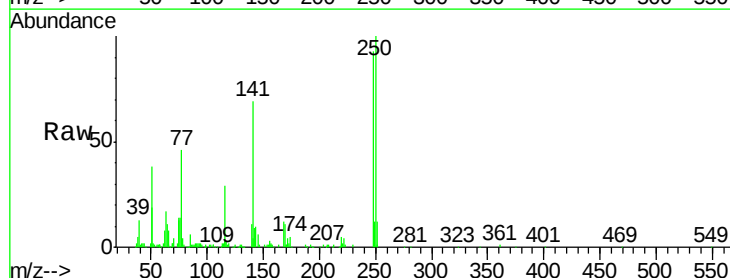
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

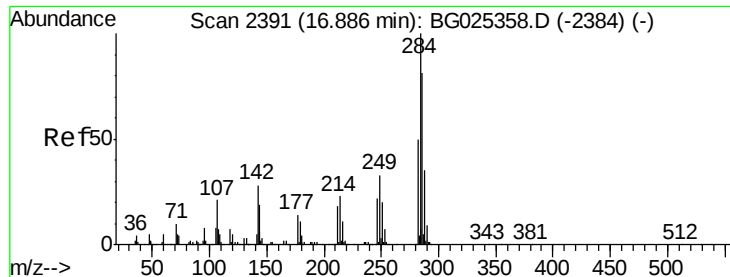
Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.0	55.7	83.5
167	35.6	29.8	44.6



#66
4-Bromophenyl-phenylether
Concen: 17.44 ng
RT: 16.76 min Scan# 2369
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	107.5	75.0	112.6
141	74.0	55.2	82.8

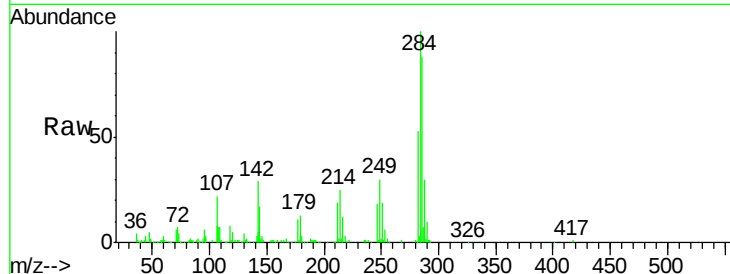




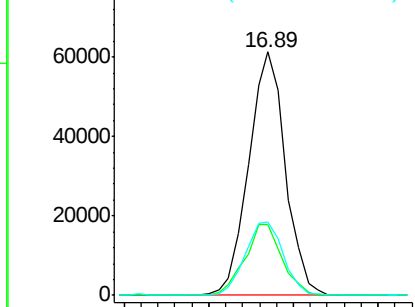
#67
Hexachlorobenzene
Concen: 17.08 ng
RT: 16.89 min Scan# 2391
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

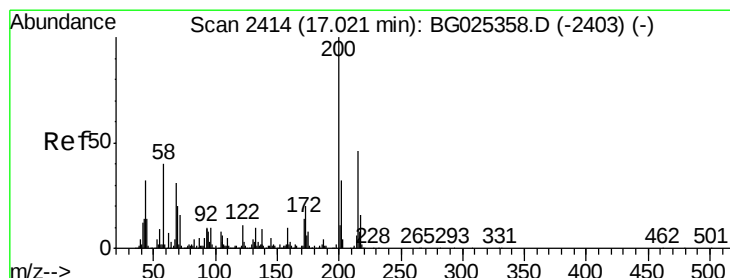
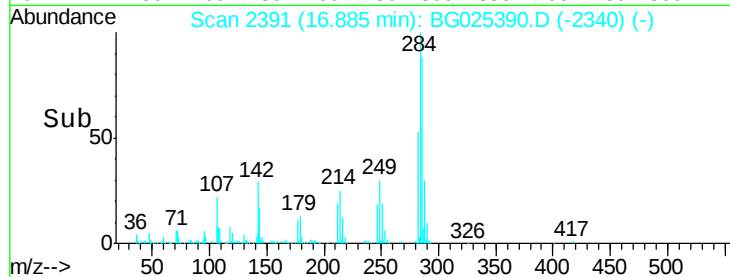
Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.0	29.9	44.9#
249	32.3	29.2	43.8



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

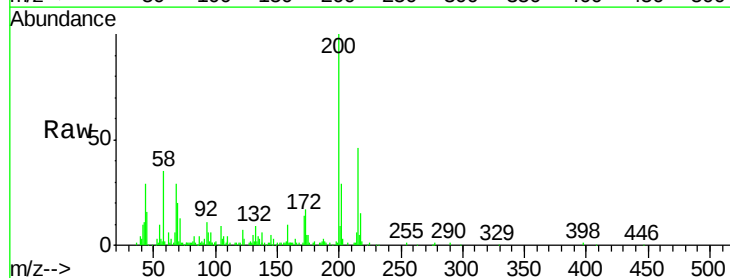


Time--> 16.80 16.85 16.90 16.95

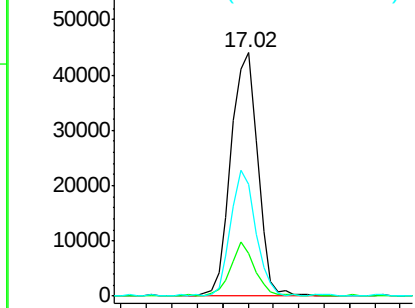


#68
Atrazine
Concen: 14.26 ng
RT: 17.02 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

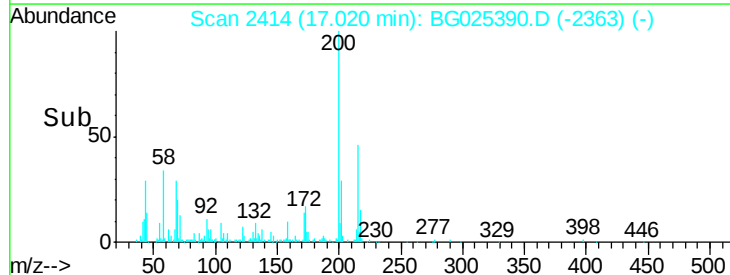
Tgt Ion	Ratio	Lower	Upper
200	100		
173	17.3	3.0	43.0
215	45.7	28.4	68.4

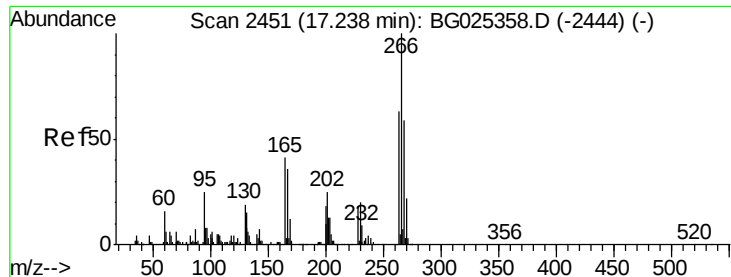


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



Time--> 17.00 17.10

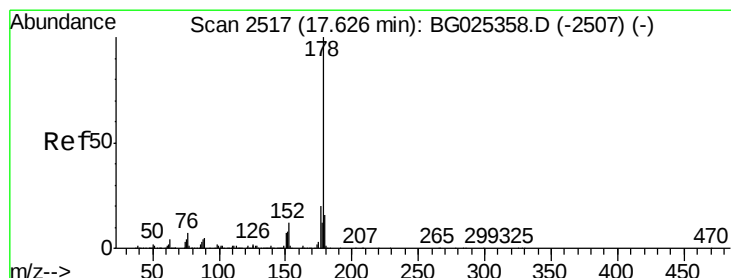
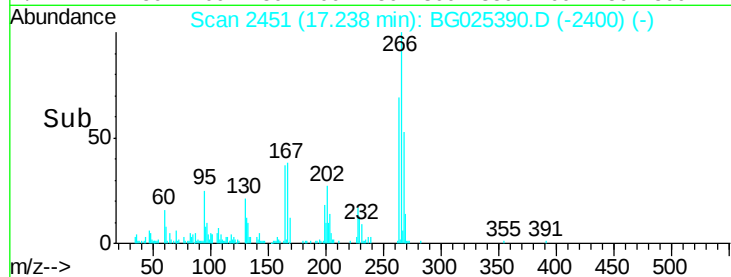
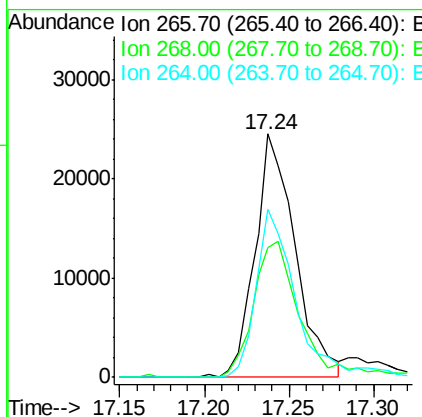
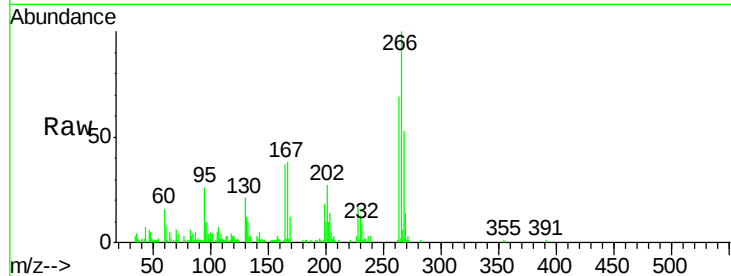




#69
 Pentachlorophenol
 Concen: 14.46 ng
 RT: 17.24 min Scan# 2451
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

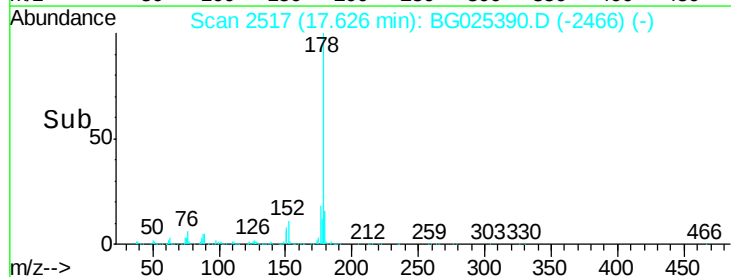
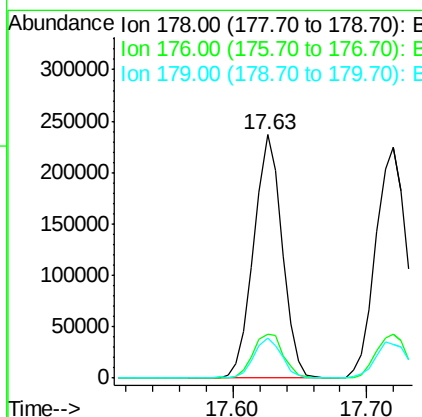
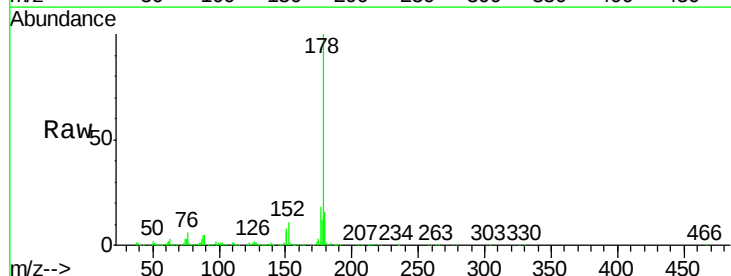
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

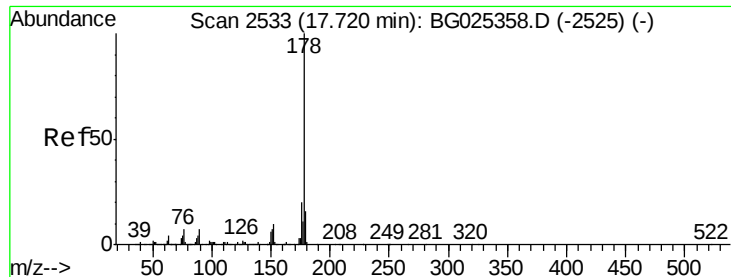
Tgt Ion:266 Resp: 40356
 Ion Ratio Lower Upper
 266 100
 268 55.5 48.6 72.8
 264 68.9 50.1 75.1



#70
 Phenanthrene
 Concen: 17.73 ng
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion:178 Resp: 347418
 Ion Ratio Lower Upper
 178 100
 176 18.0 17.7 26.5
 179 16.2 15.0 22.6





#71

Anthracene

Concen: 18.00 ng

RT: 17.72 min Scan# 2533

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

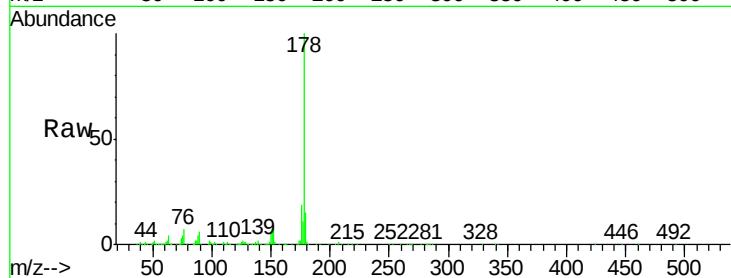
Tgt Ion:178 Resp: 358274

Ion Ratio Lower Upper

178 100

176 18.9 16.4 24.6

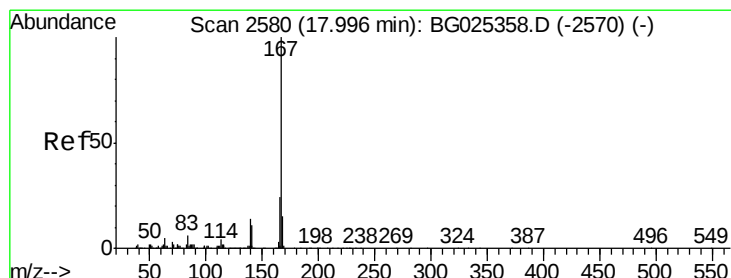
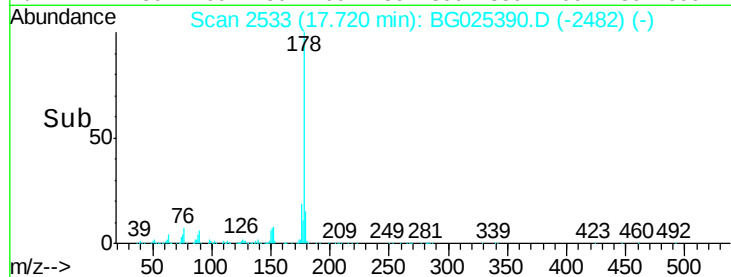
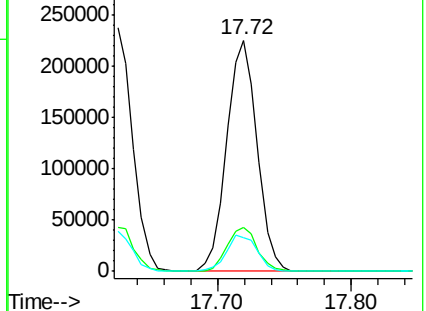
179 14.8 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 18.07 ng

RT: 18.00 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

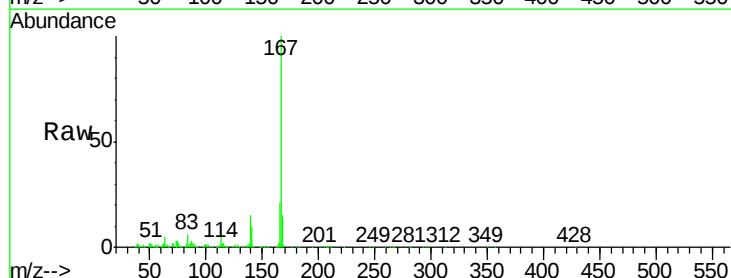
Tgt Ion:167 Resp: 321861

Ion Ratio Lower Upper

167 100

166 21.3 20.2 30.2

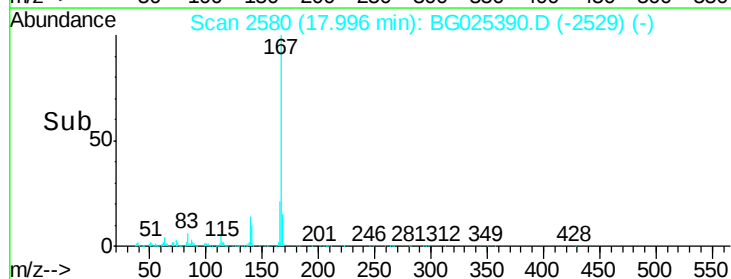
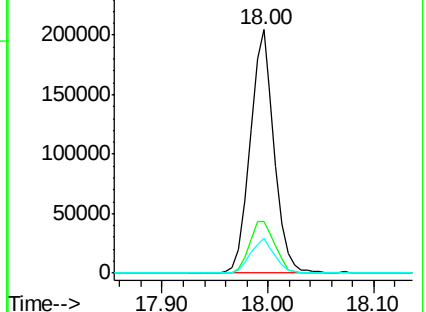
139 14.5 12.8 19.2

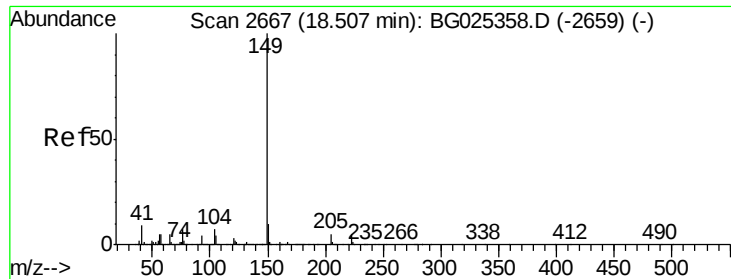


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

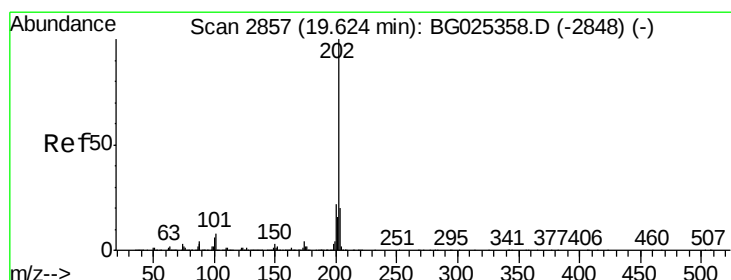
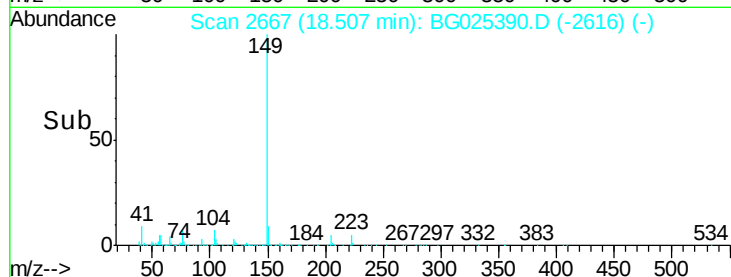
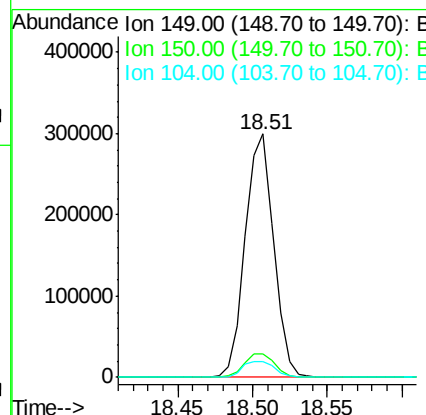
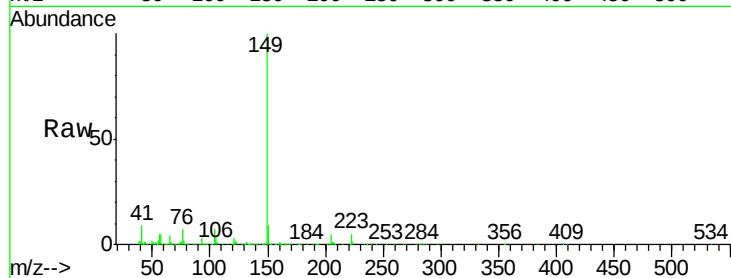




#73
Di-n-butylphthalate
Concen: 18.01 ng
RT: 18.51 min Scan# 2667
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

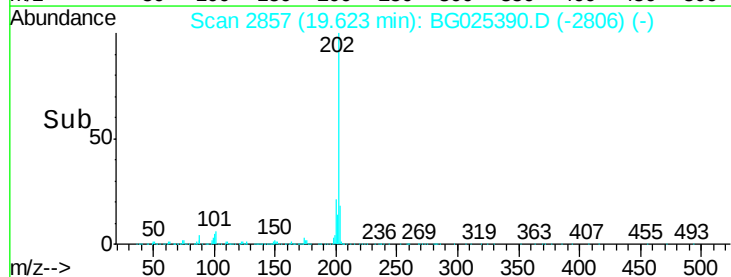
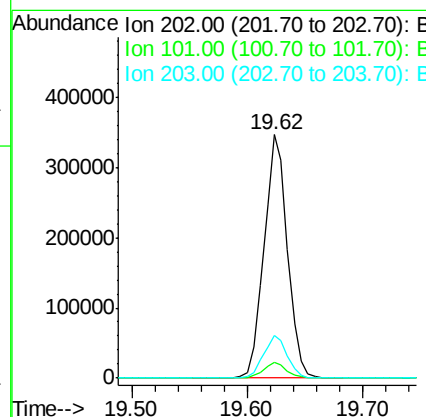
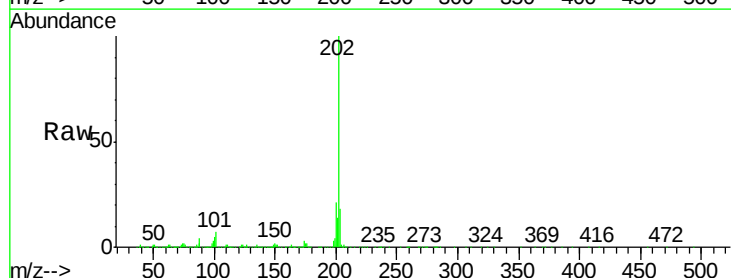
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

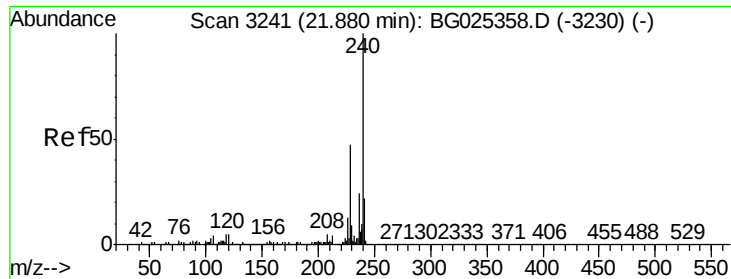
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	9.1	13.7
104	6.7	6.7	10.1



#74
Fluoranthene
Concen: 18.90 ng
RT: 19.62 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BG025390.D
Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	30.1
203	17.7	1.3	41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

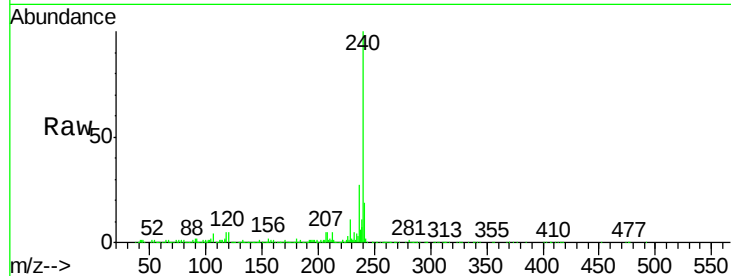
Tgt Ion:240 Resp: 558462

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

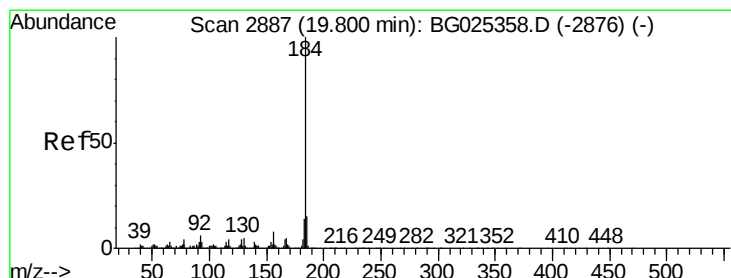
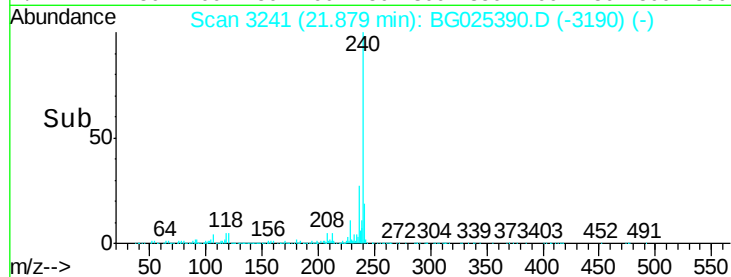
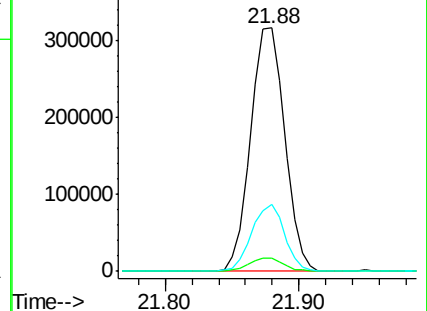
236 27.4 22.2 33.4



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: 9.78 ng

RT: 19.80 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

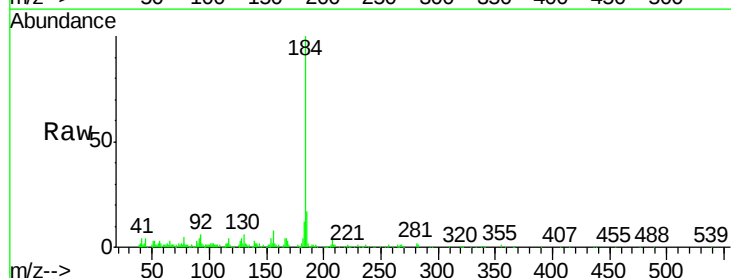
Tgt Ion:184 Resp: 136256

Ion Ratio Lower Upper

184 100

185 17.3 13.0 19.6

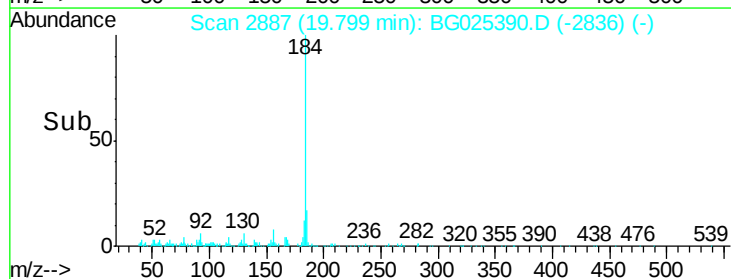
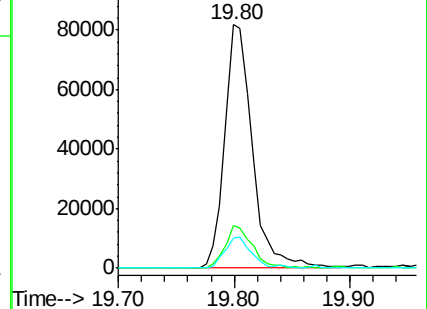
183 12.2 11.0 16.6

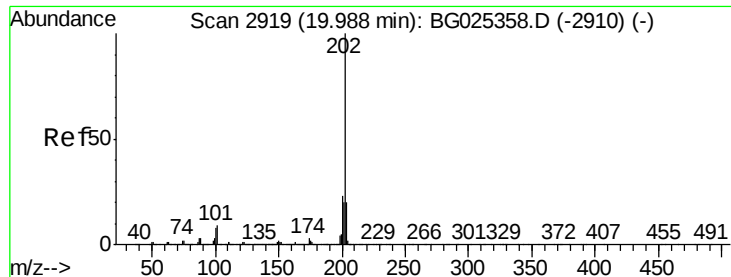


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

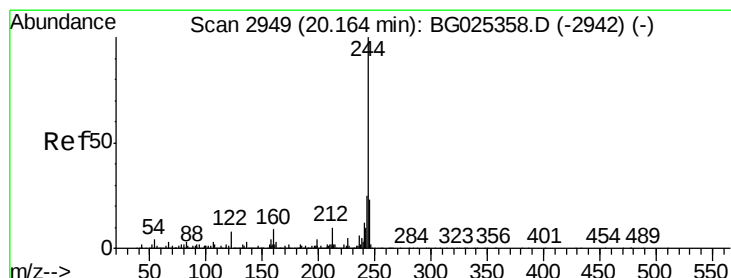
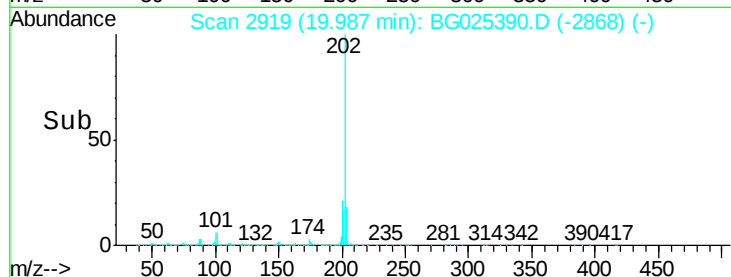
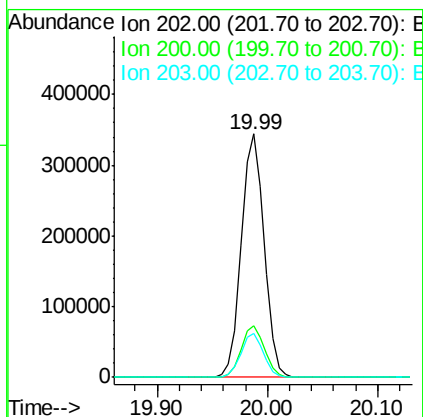
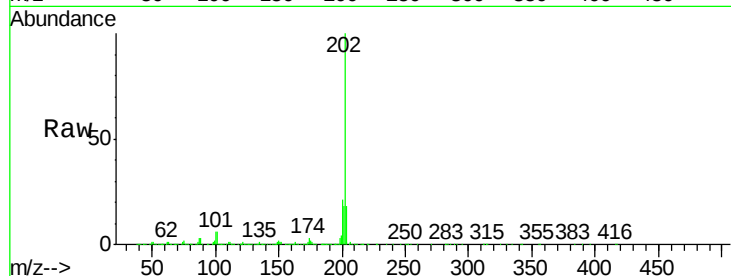




#77
 Pyrene
 Concen: 17.14 ng
 RT: 19.99 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

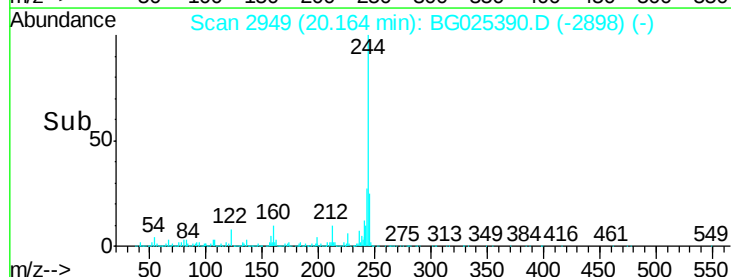
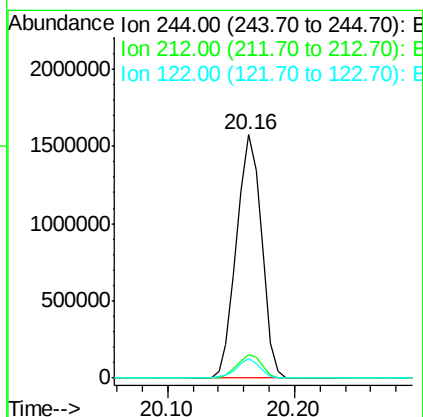
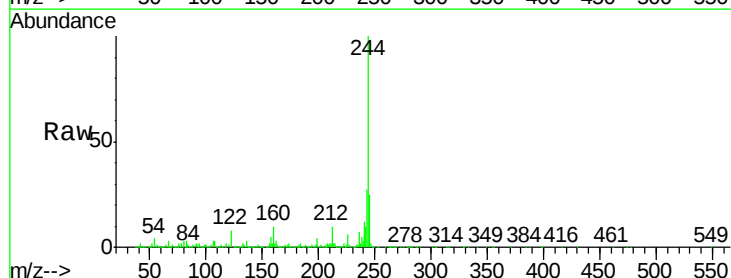
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

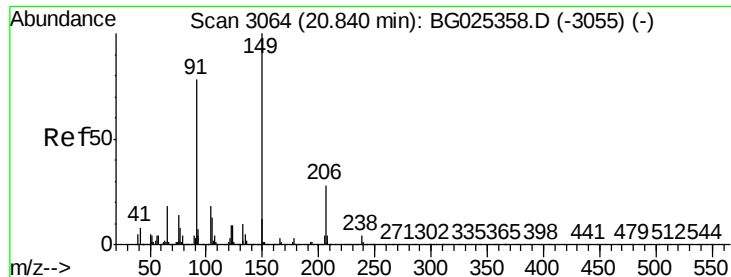
Tgt Ion:	202	Resp:	500130
Ion	Ratio	Lower	Upper
202	100		
200	21.4	19.6	29.4
203	18.2	15.8	23.8



#78
 Terphenyl-d14
 Concen: 102.26 ng
 RT: 20.16 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion:	244	Resp:	2153810
Ion	Ratio	Lower	Upper
244	100		
212	9.7	10.0	15.0#
122	7.9	8.6	12.8#





#79

Butylbenzylphthalate

Concen: 17.09 ng

RT: 20.83 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

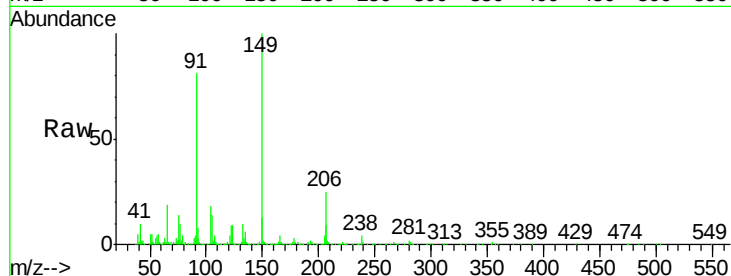
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

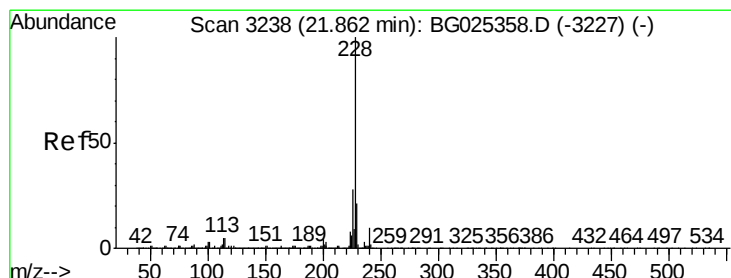
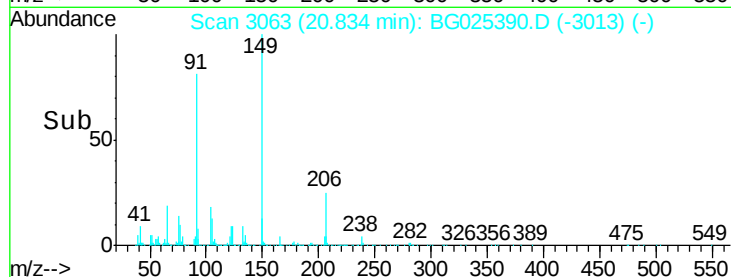
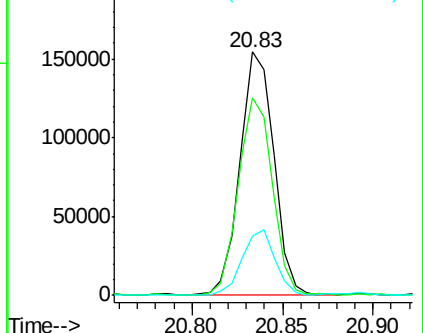
Tgt Ion:	149	Resp:	200317
Ion Ratio	Lower	Upper	
149	100		
91	81.4	63.5	95.3
206	24.5	21.0	31.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 18.06 ng

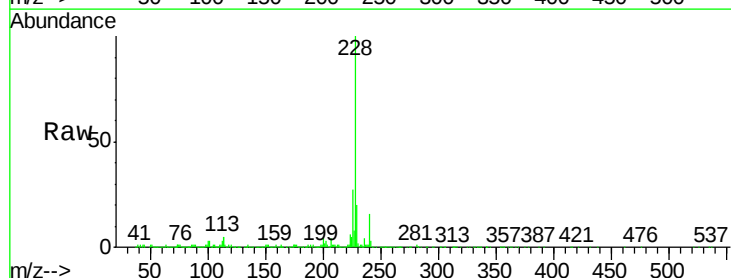
RT: 21.86 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

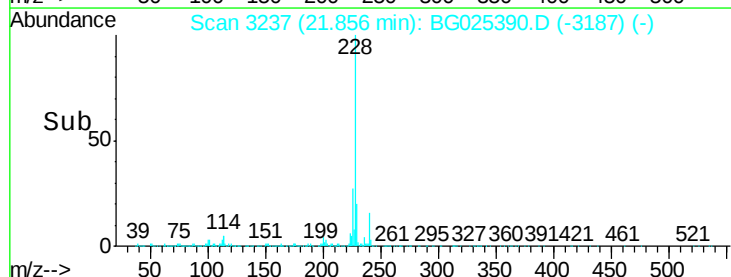
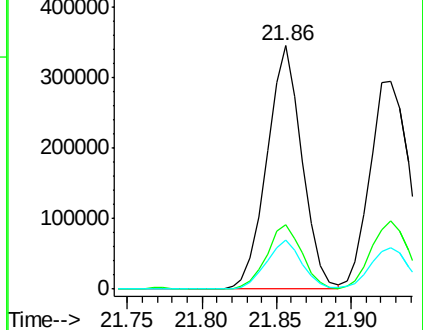
Tgt Ion:	228	Resp:	562673
Ion Ratio	Lower	Upper	
228	100		
226	26.5	24.9	37.3
229	20.0	18.2	27.2

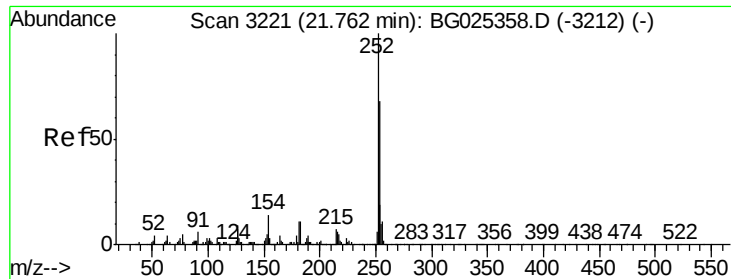


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

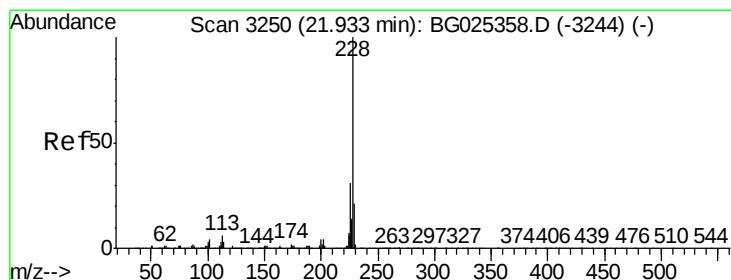
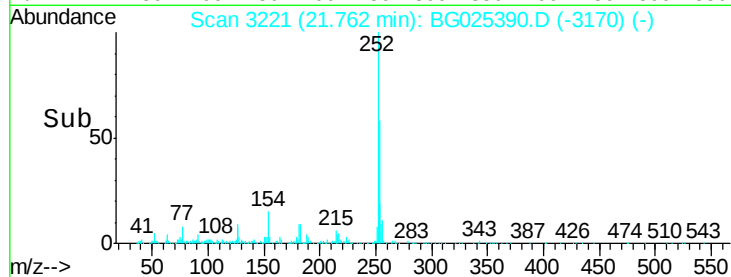
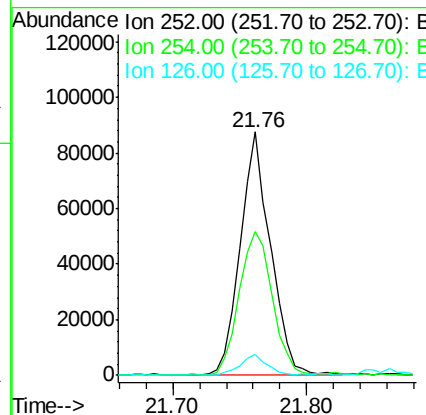
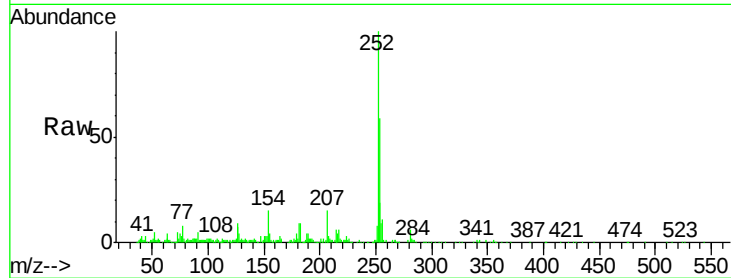




#81
 3,3'-Dichlorobenzidine
 Concen: 11.38 ng
 RT: 21.76 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

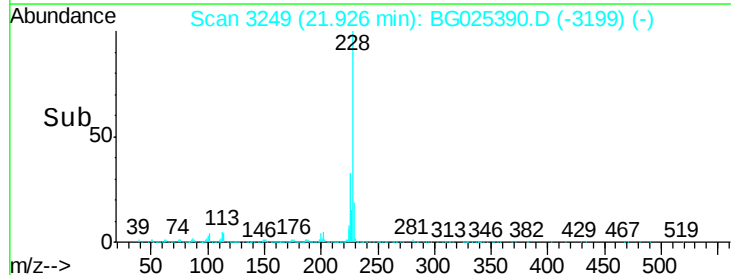
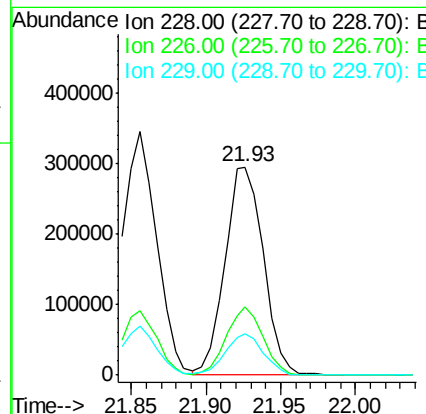
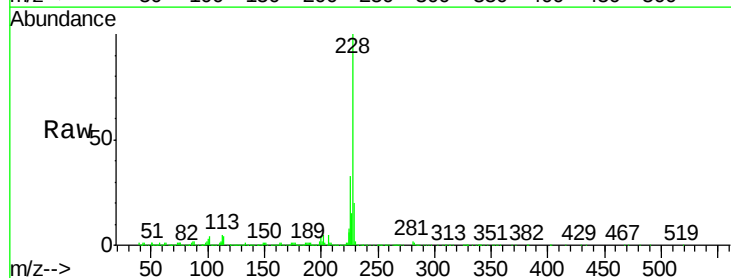
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

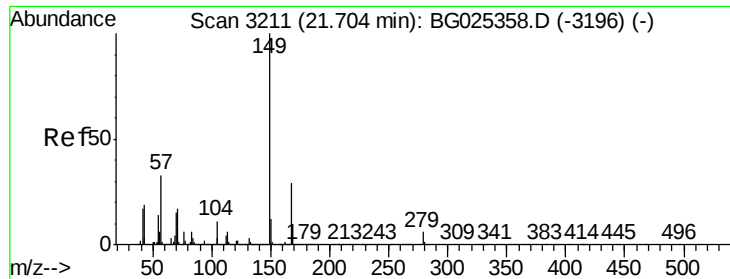
Tgt Ion:	252	Resp:	137667
Ion	Ratio	Lower	Upper
252	100		
254	59.3	53.1	79.7
126	8.5	7.0	10.4



#82
 Chrysene
 Concen: 17.75 ng
 RT: 21.93 min Scan# 3249
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion:	228	Resp:	530349
Ion	Ratio	Lower	Upper
228	100		
226	33.0	27.0	40.4
229	19.7	17.8	26.6

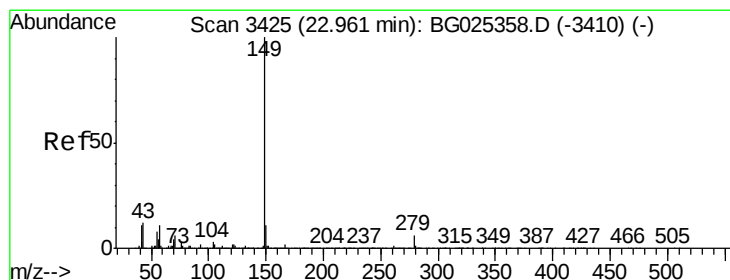
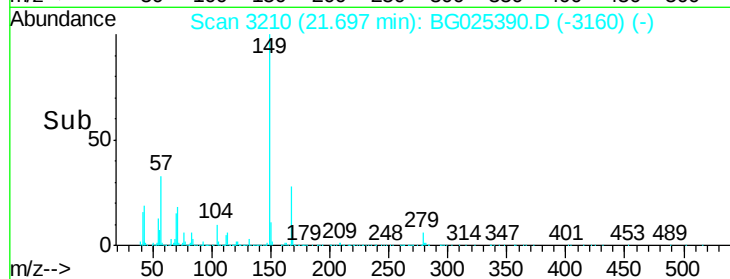
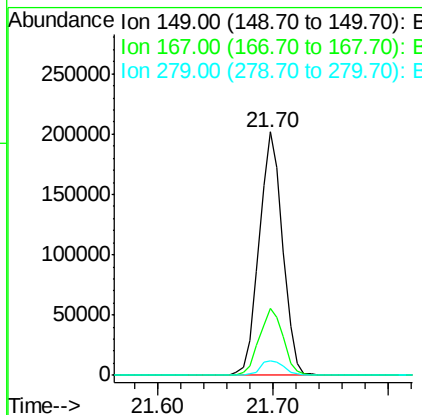
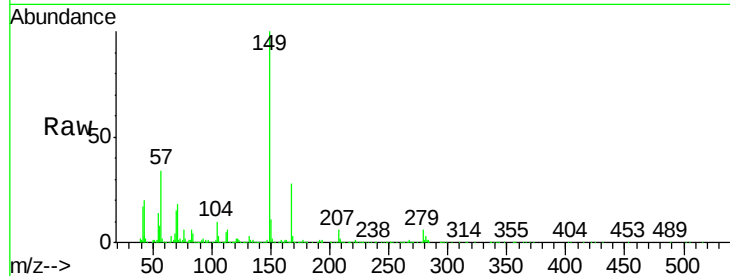




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 17.65 ng
 RT: 21.70 min Scan# 3210
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

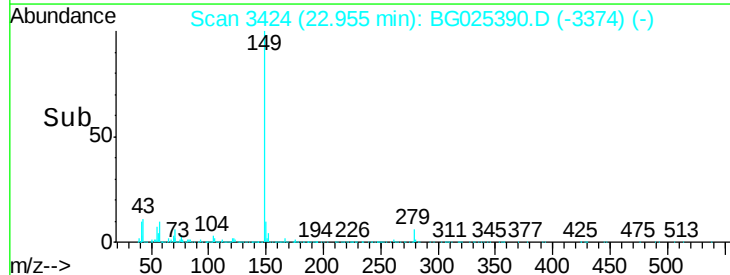
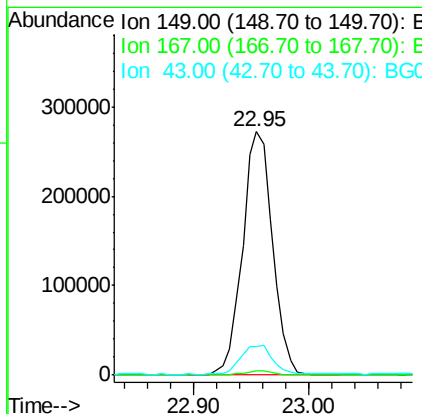
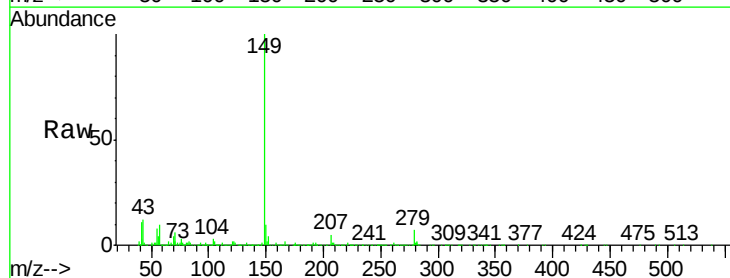
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

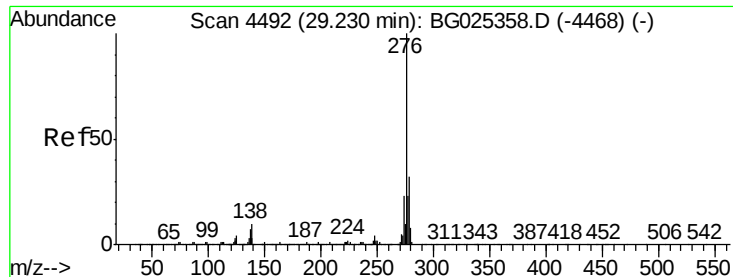
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.7	35.5
279	6.0	4.6	6.8



#84
 Di-n-octyl phthalate
 Concen: 18.14 ng
 RT: 22.95 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BG025390.D
 Acq: 22 Dec 2016 15:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.2
43	12.7	11.8	17.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 17.57 ng

RT: 29.21 min Scan# 4488

Delta R.T. -0.02 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

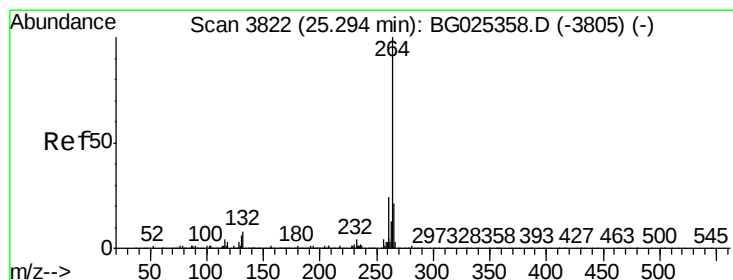
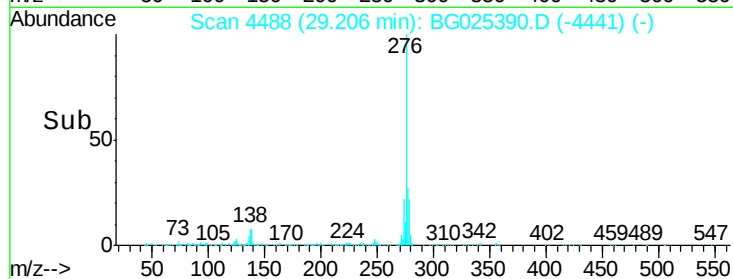
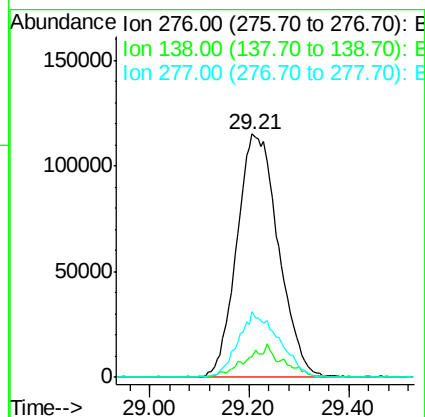
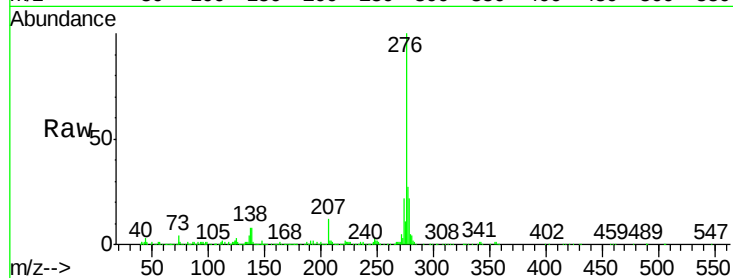
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:	276	Resp:	667270
Ion Ratio	Lower	Upper	
276	100		
138	5.7	4.7	7.1
277	26.3	20.6	31.0



#86

Perylene-d12

Concen: 20.00 ng

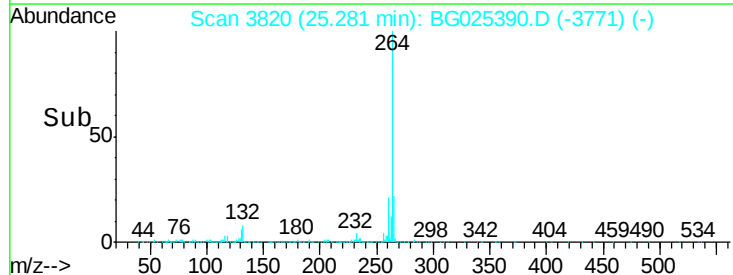
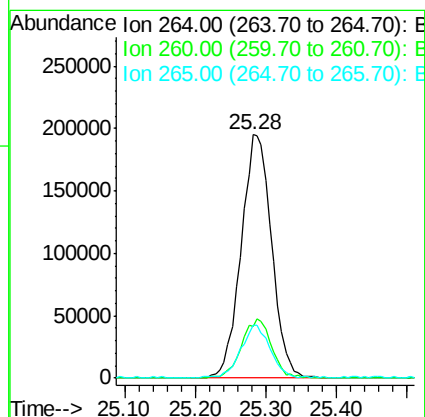
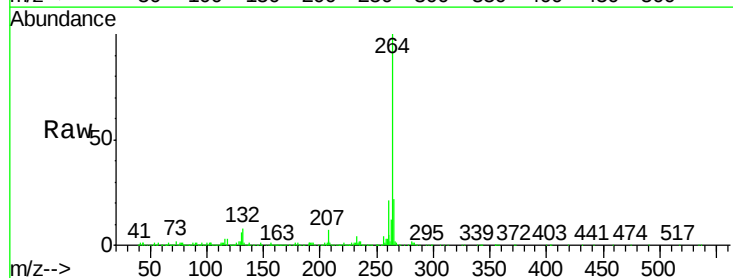
RT: 25.28 min Scan# 3820

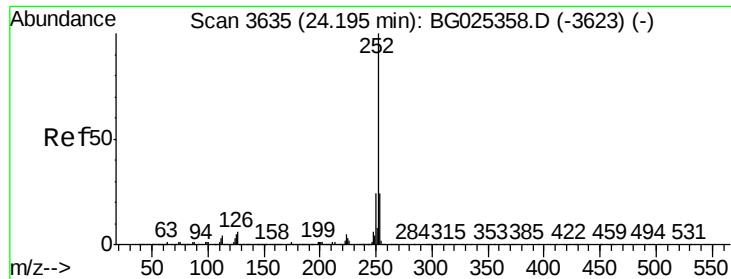
Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Tgt Ion:	264	Resp:	584690
Ion Ratio	Lower	Upper	
264	100		
260	21.3	21.8	32.8#
265	21.6	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 16.99 ng

RT: 24.26 min Scan# 3647

Delta R.T. 0.07 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

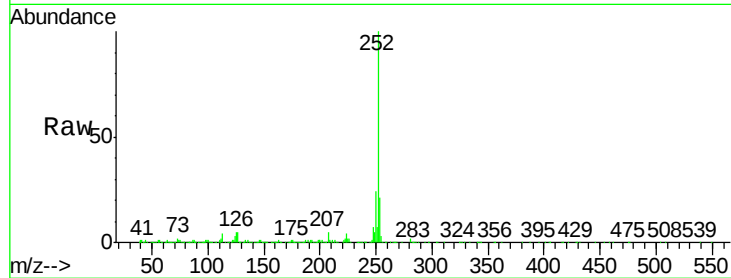
Tgt Ion:252 Resp: 542097

Ion Ratio Lower Upper

252 100

253 21.1 18.7 28.1

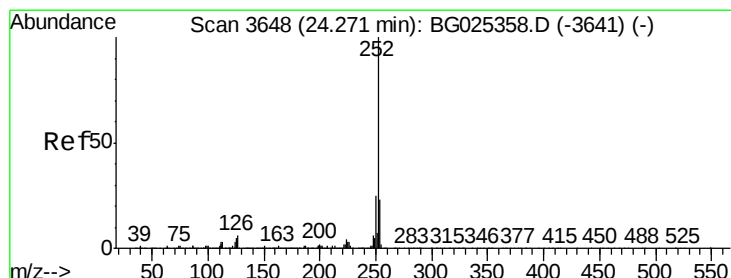
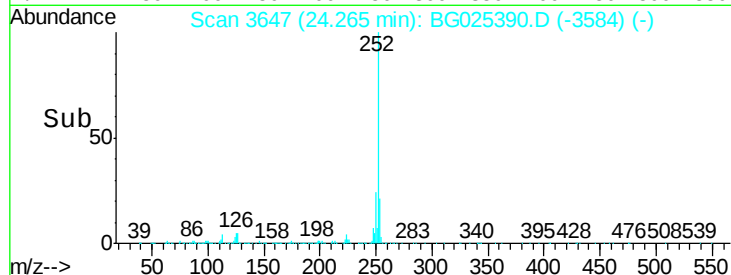
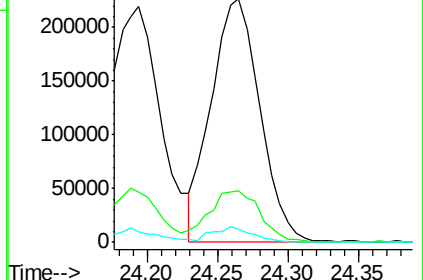
125 5.3 5.3 7.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.60 ng

RT: 24.26 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

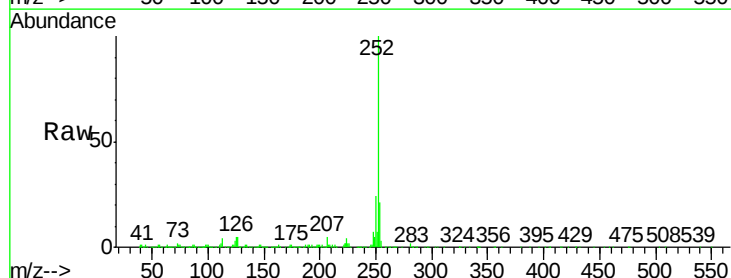
Tgt Ion:252 Resp: 542097

Ion Ratio Lower Upper

252 100

253 21.1 20.2 30.2

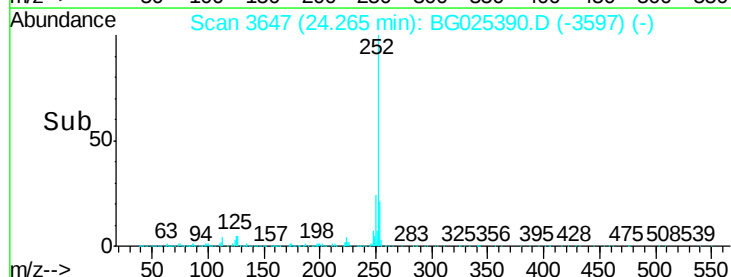
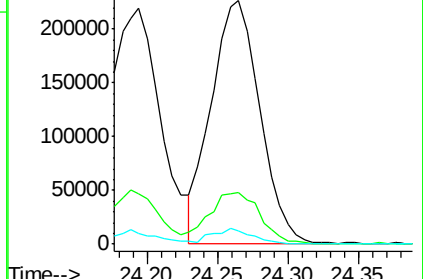
125 5.3 5.1 7.7

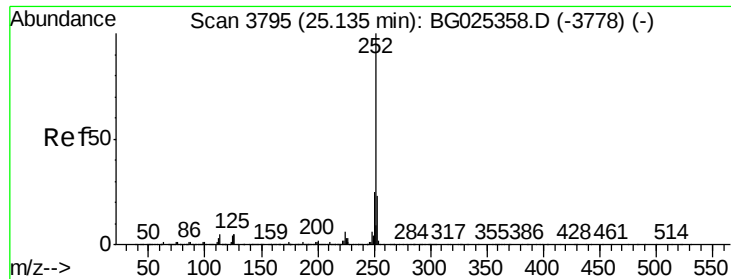


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 17.54 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.01 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

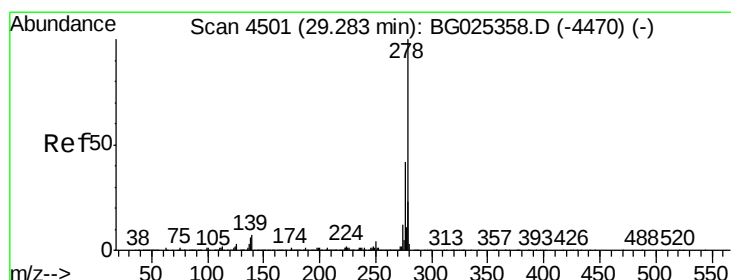
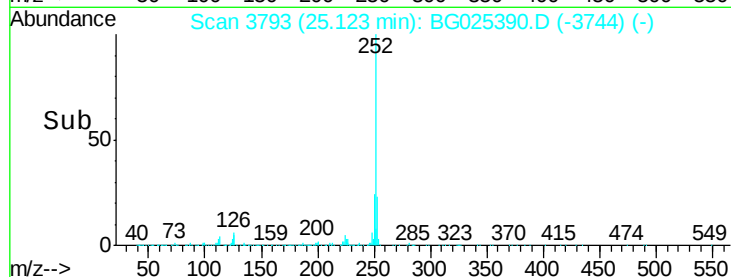
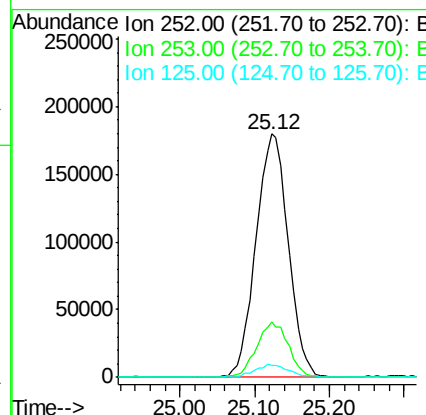
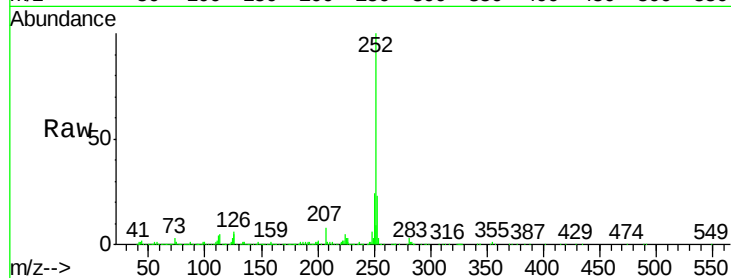
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:	252	Resp:	540488
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.2	28.8
125	5.0	5.4	8.0#



#90

Dibenzo(a,h)anthracene

Concen: 17.82 ng

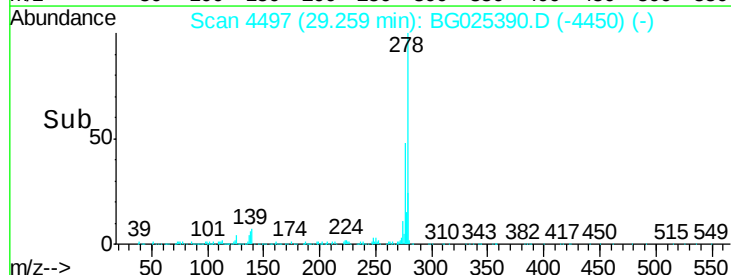
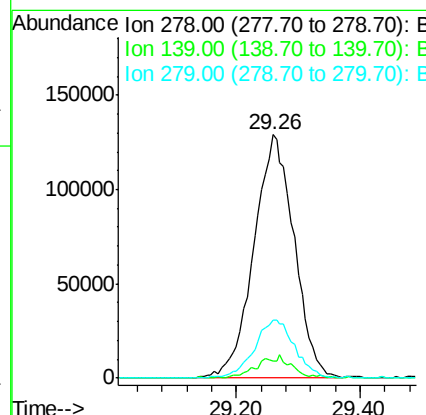
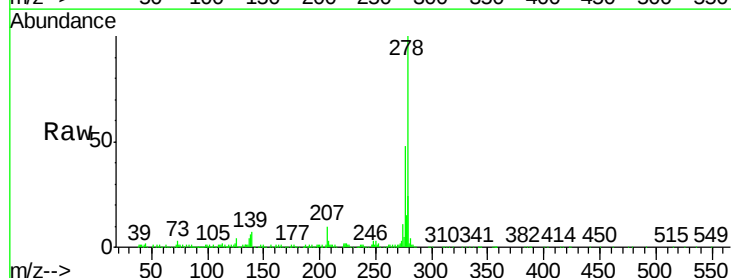
RT: 29.26 min Scan# 4497

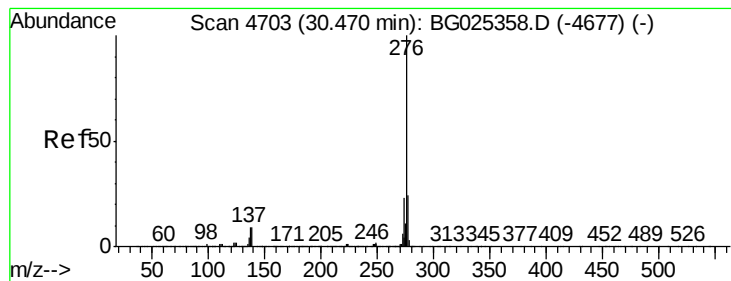
Delta R.T. -0.02 min

Lab File: BG025390.D

Acq: 22 Dec 2016 15:26

Tgt Ion:	278	Resp:	581893
Ion Ratio	Lower	Upper	
278	100		
139	7.2	7.7	11.5#
279	23.7	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 17.47 ng

RT: 30.45 min Scan# 4699

Delta R.T. -0.02 min

Lab File: BG025390.D

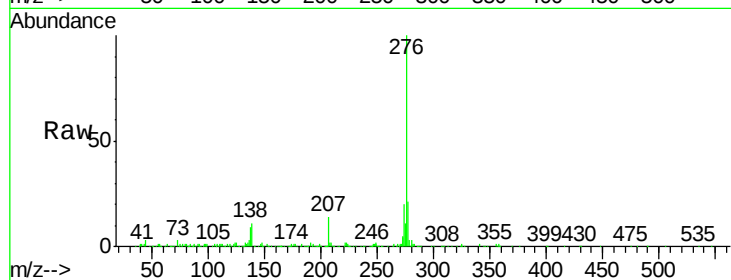
Acq: 22 Dec 2016 15:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017



Tgt Ion: 276 Resp: 566950

Ion Ratio Lower Upper

276 100

277 21.0 18.6 27.8

138 10.6 8.1 12.1

