

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122116\
 Data File : BG025373.D
 Acq On : 22 Dec 2016 1:18
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 5 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Quant Time: Dec 22 02:51:42 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	48243	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	190782	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	154402	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	355015	20.00	ng	0.00
75) Chrysene-d12	21.88	240	547188	20.00	ng	0.00
86) Perylene-d12	25.28	264	569327	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	381886	143.88	ng	0.00
7) Phenol-d6	7.37	99	523832	140.14	ng	0.00
23) Nitrobenzene-d5	9.40	82	392484	90.88	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	322467	129.72	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	880605	92.34	ng	0.00
78) Terphenyl-d14	20.17	244	1786430	86.56	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.58	88	4503	3.98	ng	# 19
3) Pyridine	4.01	79	11238	3.42	ng	97
4) n-Nitrosodimethylamine	3.93	42	8335	4.28	ng	# 82
6) Aniline	7.53	93	13623	2.69	ng	92
8) 2-Chlorophenol	7.77	128	15069	5.03	ng	81
9) Benzaldehyde	7.36	77	9200	3.36	ng	# 76
10) Phenol	7.40	94	20963	5.06	ng	80
11) bis(2-Chloroethyl)ether	7.63	93	13442	4.21	ng	89
12) 1,3-Dichlorobenzene	8.24	146	17373	4.80	ng	89
13) 1,4-Dichlorobenzene	8.24	146	17373	4.63	ng	# 81
14) 1,2-Dichlorobenzene	8.57	146	16495	4.60	ng	# 71
15) Benzyl Alcohol	8.47	79	13875	3.89	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.73	45	24974	4.22	ng	92
17) 2-Methylphenol	8.67	107	12321	4.53	ng	92
18) Hexachloroethane	9.30	117	7062	4.90	ng	# 75
19) n-Nitroso-di-n-propylamine	9.01	70	12576	3.98	ng	92
20) 3+4-Methylphenols	9.01	107	15352	4.08	ng	88
22) Acetophenone	9.05	105	23260	4.39	ng	# 88
24) Nitrobenzene	9.44	77	22014	4.65	ng	# 78
25) Isophorone	9.95	82	33394	4.27	ng	# 93
26) 2-Nitrophenol	10.17	139	7109	3.92	ng	91
27) 2,4-Dimethylphenol	10.21	122	14607	4.90	ng	# 60
28) bis(2-Chloroethoxy)methane	10.44	93	18185	4.48	ng	97
29) 2,4-Dichlorophenol	10.72	162	15439	4.84	ng	76
30) 1,2,4-Trichlorobenzene	10.90	180	18444	4.79	ng	# 88
31) Naphthalene	11.09	128	42794	4.49	ng	# 97
32) Benzoic acid	10.39	122	724	0.30	ng	# 40
33) 4-Chloroaniline	11.23	127	12490	3.12	ng	# 94
34) Hexachlorobutadiene	11.35	225	13750	4.37	ng	# 88
35) Caprolactam	11.98	113	2875	2.40	ng	# 81
36) 4-Chloro-3-methylphenol	12.33	107	16812	4.27	ng	# 95
37) 2-Methylnaphthalene	12.90	142	30940	4.38	ng	93
39) 1,2,4,5-Tetrachlorobenzene	13.05	216	23095	4.53	ng	# 96
40) Hexachlorocyclopentadiene	13.01	237	755	8.87	ng	# 25

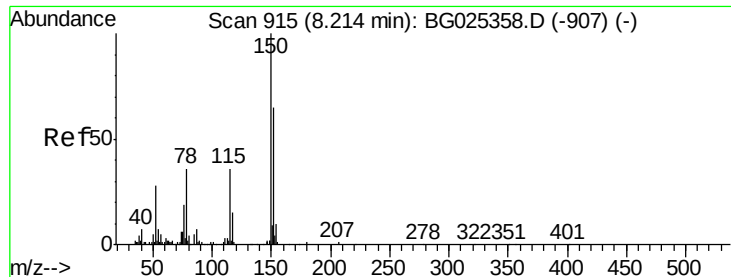
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122116\
 Data File : BG025373.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.30	196	13429	4.18	ng	# 93
43) 2,4,5-Trichlorophenol	13.39	196	15513	4.62	ng	96
45) 1,1'-Biphenyl	13.67	154	47475	4.57	ng	91
46) 2-Chloronaphthalene	13.73	162	37263	4.59	ng	# 87
47) 2-Nitroaniline	13.96	65	14646	4.28	ng	94
48) Acenaphthylene	14.57	152	55086	4.38	ng	# 94
49) Dimethylphthalate	14.28	163	50200	4.46	ng	# 97
50) 2,6-Dinitrotoluene	14.43	165	11979	4.87	ng	# 70
51) Acenaphthene	14.90	154	36226	4.40	ng	# 88
52) 3-Nitroaniline	14.78	138	8315	3.52	ng	# 51
53) 2,4-Dinitrophenol	15.03	184	372	5.29	ng	# 14
54) Dibenzofuran	15.24	168	61149	4.70	ng	90
55) 4-Nitrophenol	15.11	139	3533	2.00	ng	# 79
56) 2,4-Dinitrotoluene	15.22	165	14976	4.18	ng	# 70
57) Fluorene	15.88	166	49571	4.55	ng	# 97
58) 2,3,4,6-Tetrachlorophenol	15.47	232	16661	4.63	ng	# 85
59) Diethylphthalate	15.62	149	51340	4.35	ng	96
60) 4-Chlorophenyl-phenylether	15.86	204	28527	4.62	ng	# 92
61) 4-Nitroaniline	15.94	138	8748	3.68	ng	96
62) Azobenzene	16.16	77	51085	4.49	ng	91
64) 4,6-Dinitro-2-methylphenol	16.01	198	6285	2.56	ng	81
65) n-Nitrosodiphenylamine	16.08	169	42720	4.45	ng	96
66) 4-Bromophenyl-phenylether	16.76	248	18321	4.18	ng	94
67) Hexachlorobenzene	16.89	284	23061	4.59	ng	# 87
68) Atrazine	17.02	200	14158	3.37	ng	95
69) Pentachlorophenol	17.25	266	6134	2.35	ng	# 83
70) Phenanthrene	17.63	178	85140	4.65	ng	96
71) Anthracene	17.72	178	87797	4.72	ng	96
72) Carbazole	18.00	167	75147	4.52	ng	# 94
73) Di-n-butylphthalate	18.50	149	93985	4.59	ng	97
74) Fluoranthene	19.62	202	120934	5.00	ng	92
76) Benzidine	19.81	184	13562	0.99	ng	# 88
77) Pyrene	19.99	202	124413	4.35	ng	92
79) Butylbenzylphthalate	20.84	149	51509	4.49	ng	96
80) Benzo(a)anthracene	21.85	228	151055	4.95	ng	91
81) 3,3'-Dichlorobenzidine	21.76	252	43388	3.66	ng	# 93
82) Chrysene	21.93	228	137923	4.71	ng	93
83) Bis(2-ethylhexyl)phthalate	21.70	149	75959	4.75	ng	# 94
84) Di-n-octyl phthalate	22.95	149	121831	4.59	ng	95
85) Indeno(1,2,3-cd)pyrene	29.21	276	166602	4.48	ng	97
87) Benzo(b)fluoranthene	24.26	252	143627	4.62	ng	98
88) Benzo(k)fluoranthene	24.26	252	143627	4.79	ng	96
89) Benzo(a)pyrene	25.12	252	138292	4.61	ng	# 90
90) Dibenzo(a,h)anthracene	29.25	278	83292	2.62	ng	# 94
91) Benzo(g,h,i)perylene	30.43	276	141656	4.48	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.00 min

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LOD-SOIL-01-QT1-2017

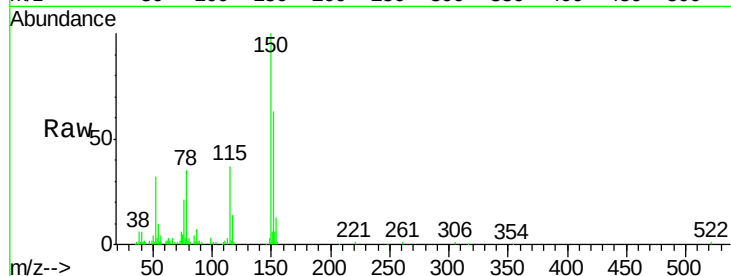
Tgt Ion:152 Resp: 48243

Ion Ratio Lower Upper

152 100

150 158.9 114.0 171.0

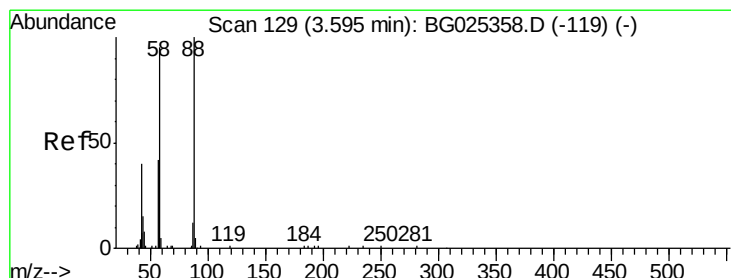
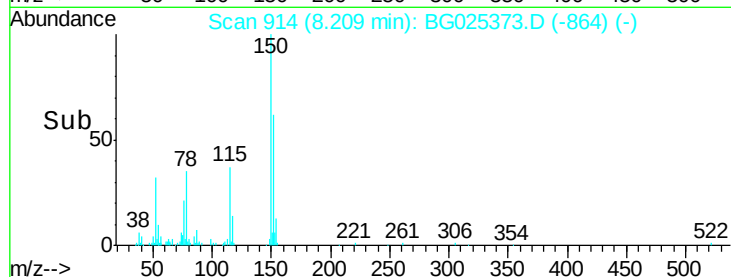
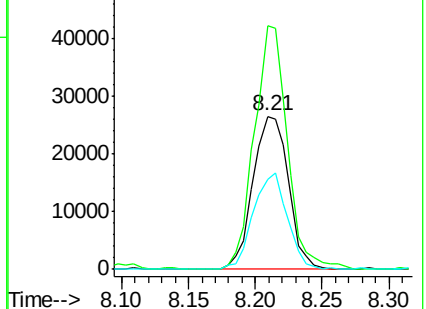
115 58.5 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.98 ng

RT: 3.58 min Scan# 127

Delta R.T. -0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

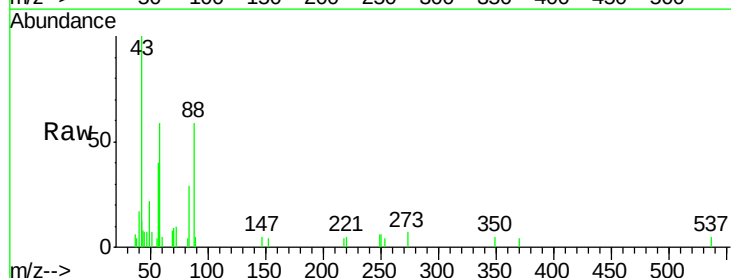
Tgt Ion: 88 Resp: 4503

Ion Ratio Lower Upper

88 100

58 171.6 79.4 119.2#

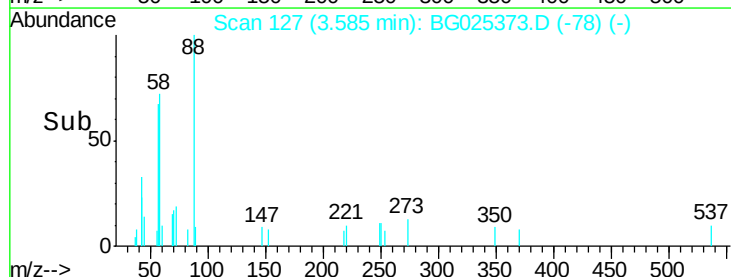
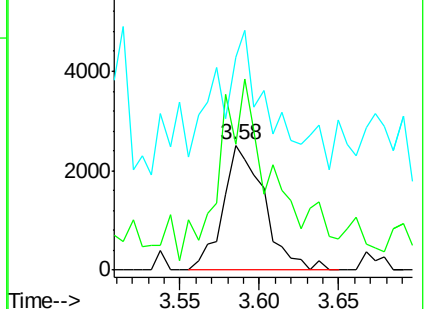
43 105.1 33.8 50.6#

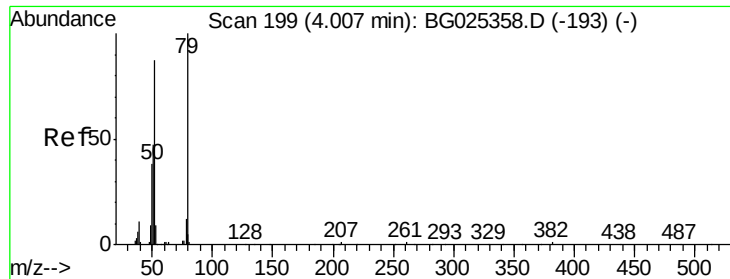


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 3.42 ng

RT: 4.01 min Scan# 200

Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

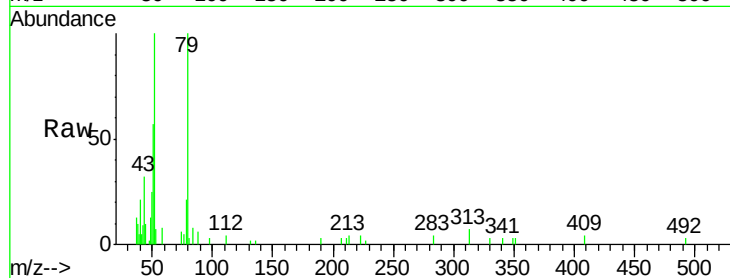
Tgt Ion: 79 Resp: 11238

Ion Ratio Lower Upper

79 100

52 99.6 77.8 116.6

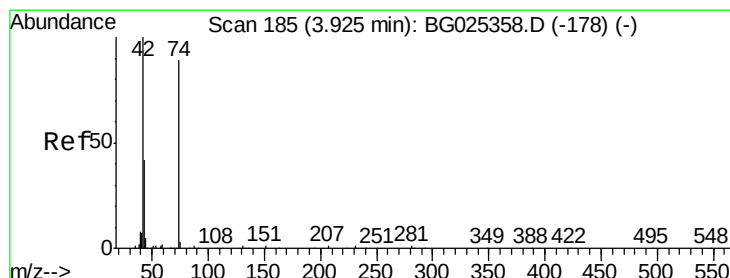
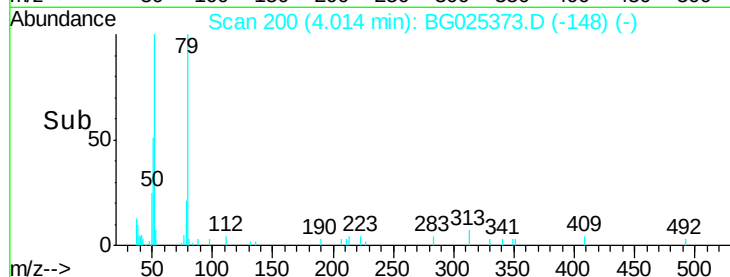
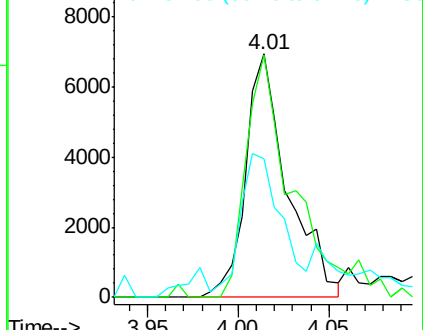
51 57.1 43.2 64.8



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: 4.28 ng

RT: 3.93 min Scan# 185

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

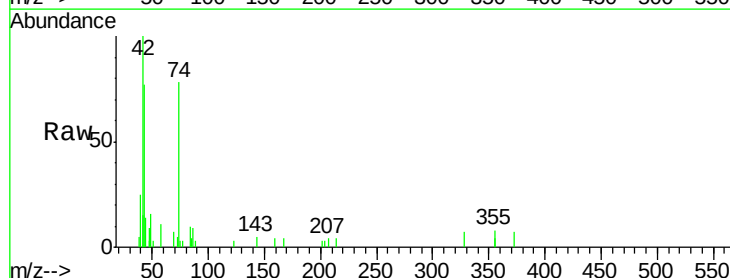
Tgt Ion: 42 Resp: 8335

Ion Ratio Lower Upper

42 100

74 78.2 76.7 115.1

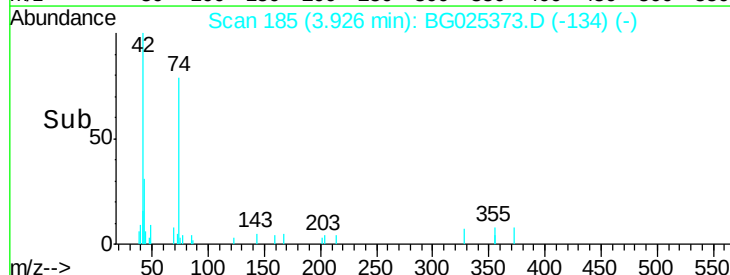
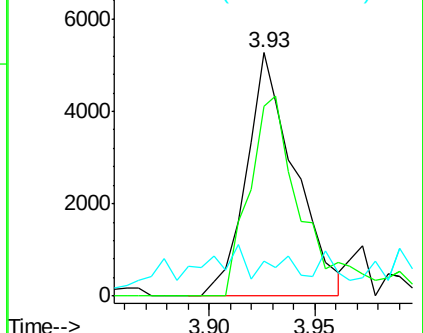
44 14.4 6.1 9.1#

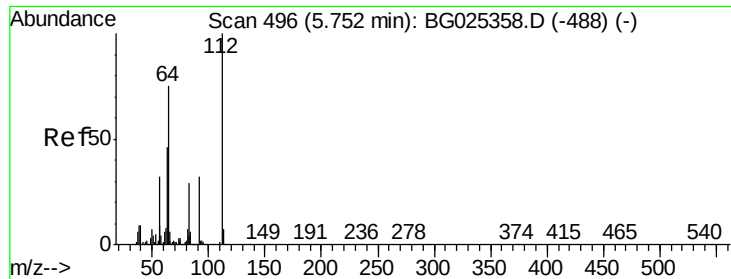


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 143.88 ng

RT: 5.75 min Scan# 496

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

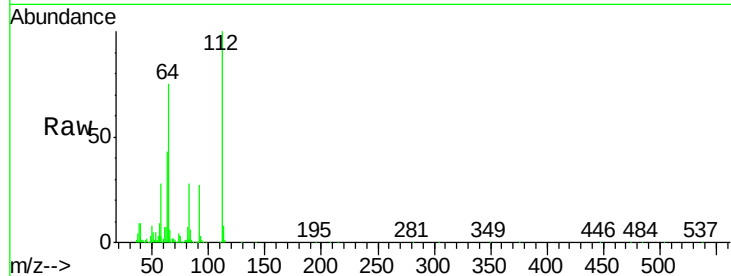
Tgt Ion: 112 Resp: 381886

Ion Ratio Lower Upper

112 100

64 75.0 61.8 92.6

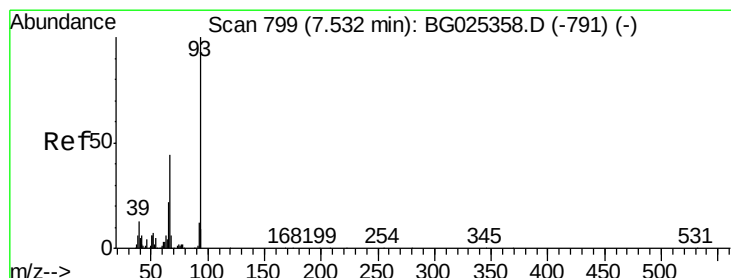
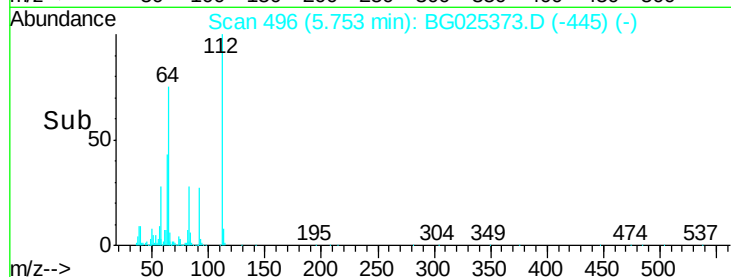
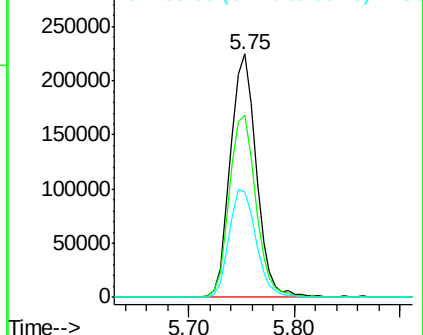
63 43.4 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 2.69 ng

RT: 7.53 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

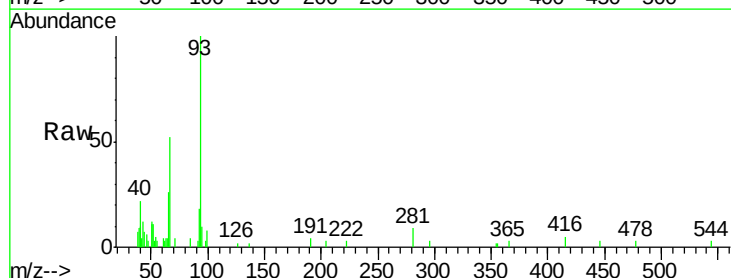
Tgt Ion: 93 Resp: 13623

Ion Ratio Lower Upper

93 100

66 52.2 35.4 53.2

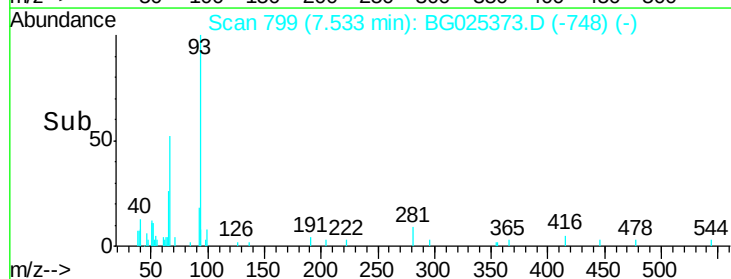
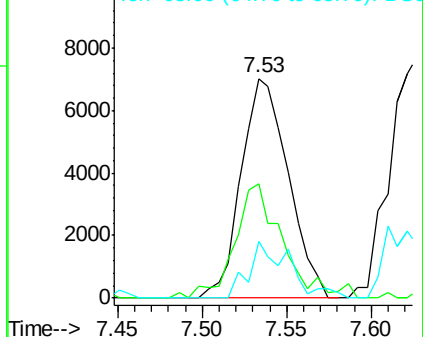
65 26.0 21.2 31.8

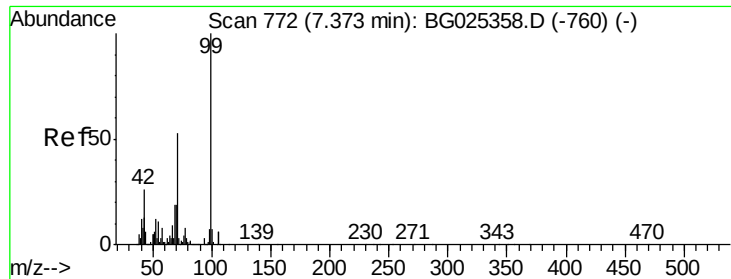


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 140.14 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG025373.D

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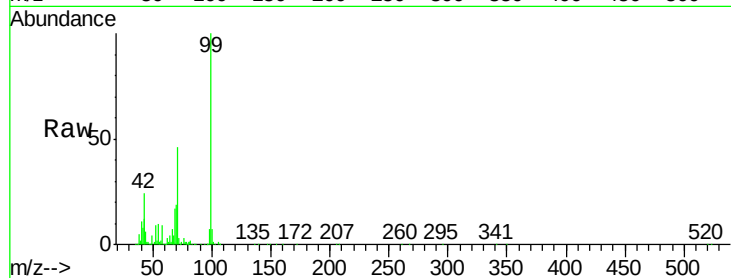
Tgt Ion: 99 Resp: 523832

Ion Ratio Lower Upper

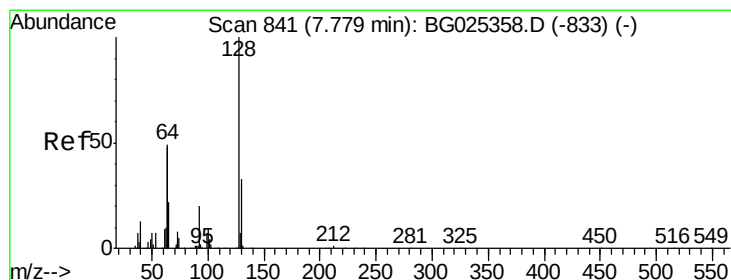
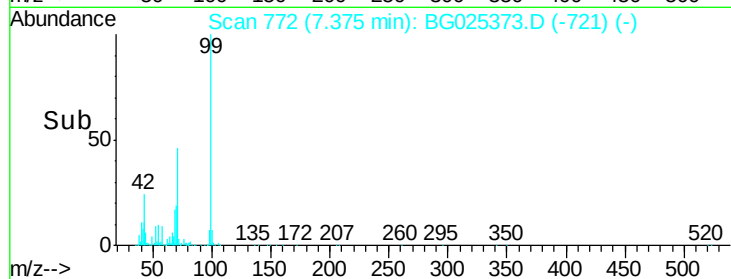
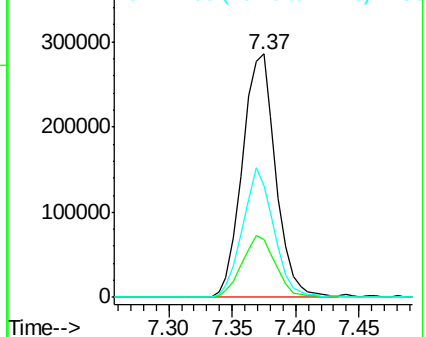
99 100

42 23.8 20.5 30.7

71 46.0 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 5.03 ng

RT: 7.77 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

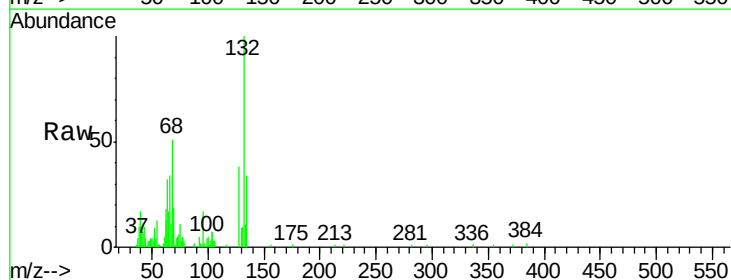
Tgt Ion: 128 Resp: 15069

Ion Ratio Lower Upper

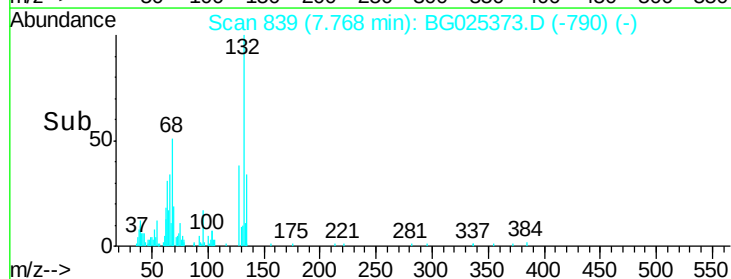
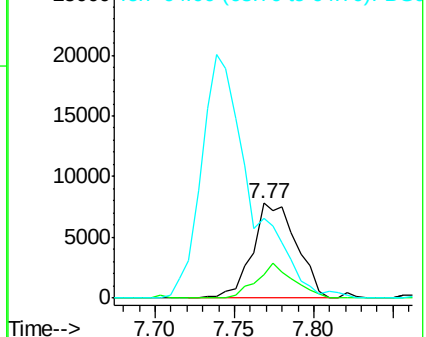
128 100

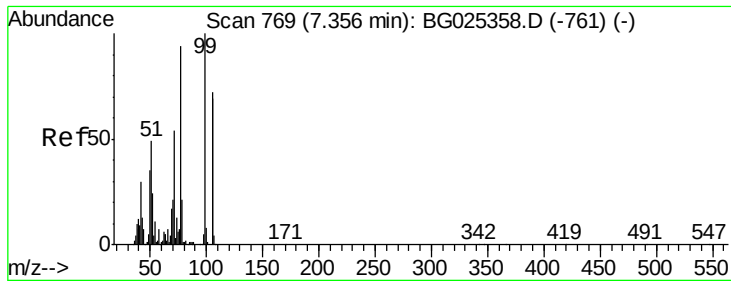
130 24.3 11.4 51.4

64 83.9 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 3.36 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

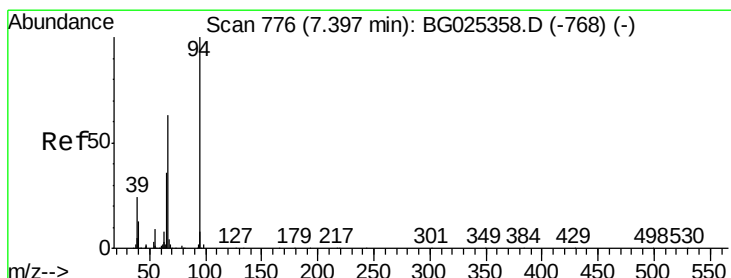
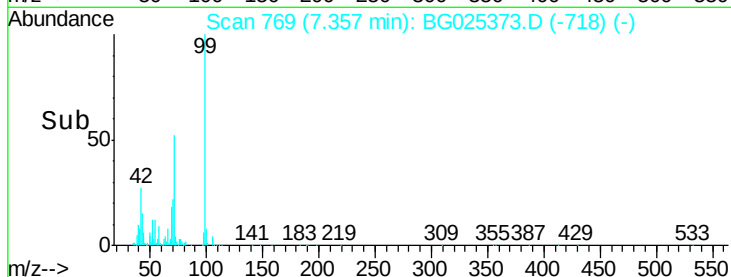
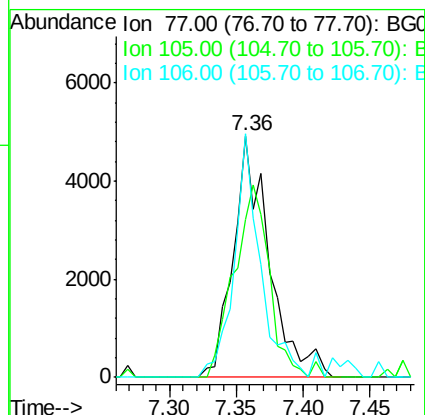
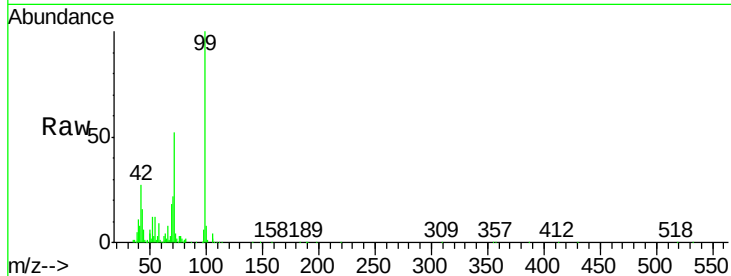
Instrument :

BNA_G

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Tgt Ion:	77	Resp:	9200
Ion Ratio	Lower	Upper	
77	100		
105	65.4	60.9	100.9
106	100.9	55.1	95.1#



#10

Phenol

Concen: 5.06 ng

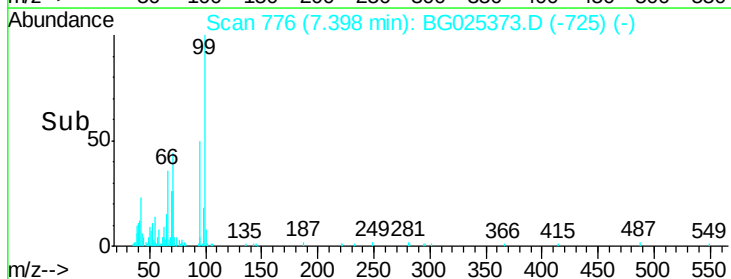
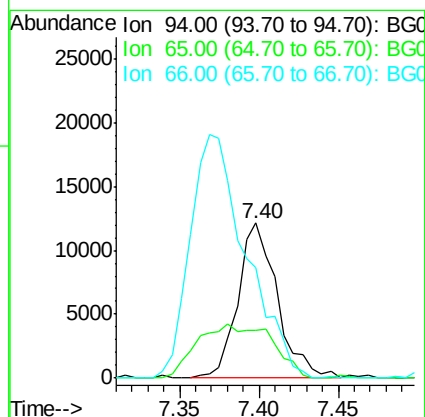
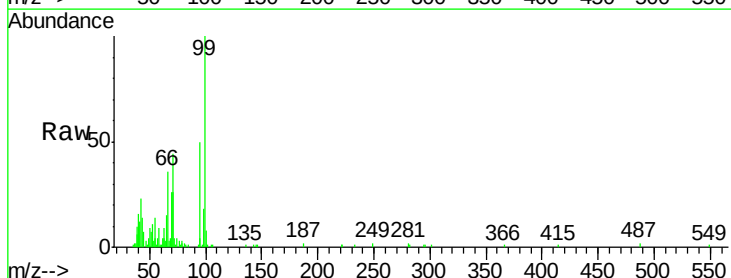
RT: 7.40 min Scan# 776

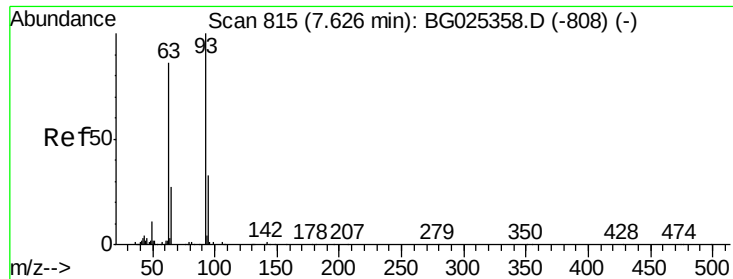
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	94	Resp:	20963
Ion Ratio	Lower	Upper	
94	100		
65	30.9	20.6	60.6
66	71.8	35.5	75.5

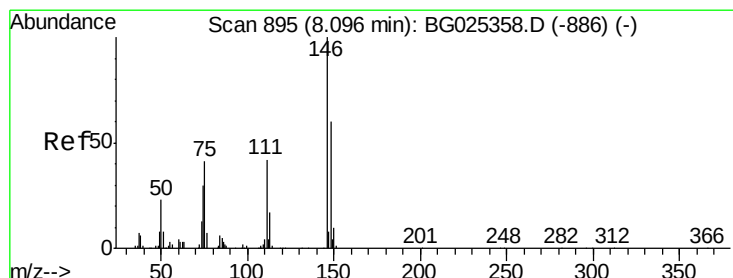
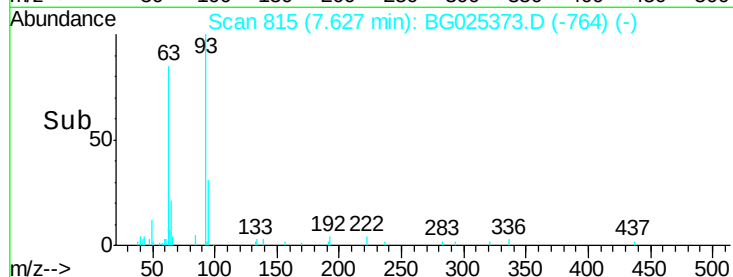
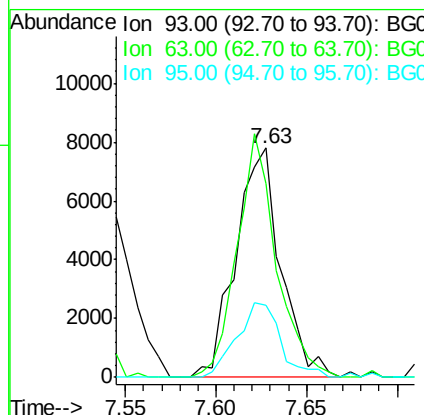
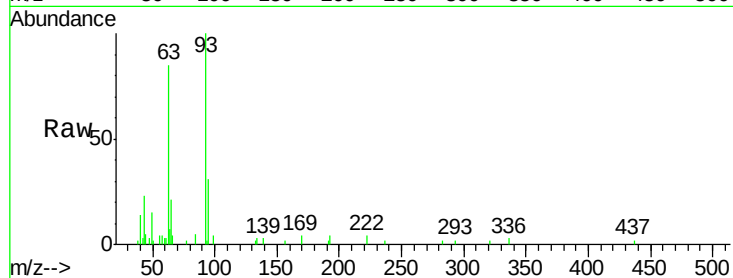




#11
bis(2-Chloroethyl)ether
Concen: 4.21 ng
RT: 7.63 min Scan# 815
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

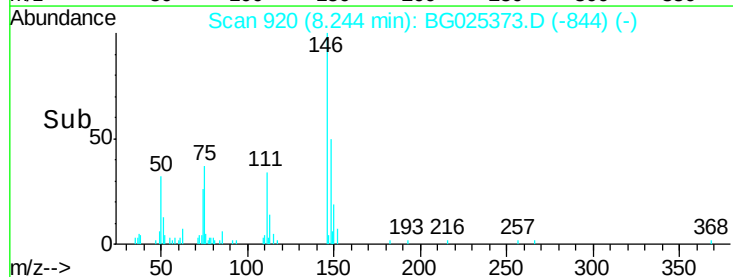
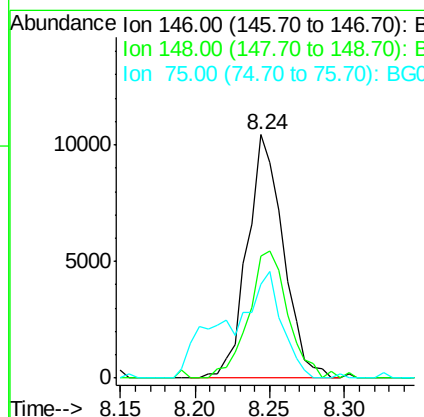
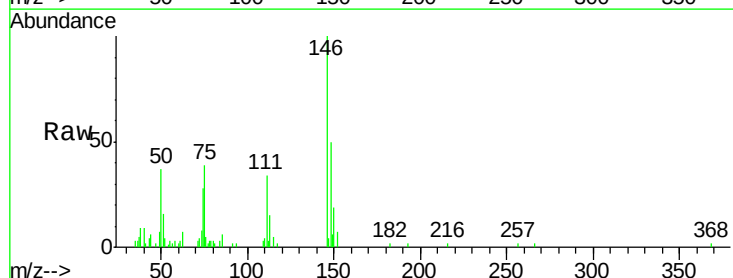
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

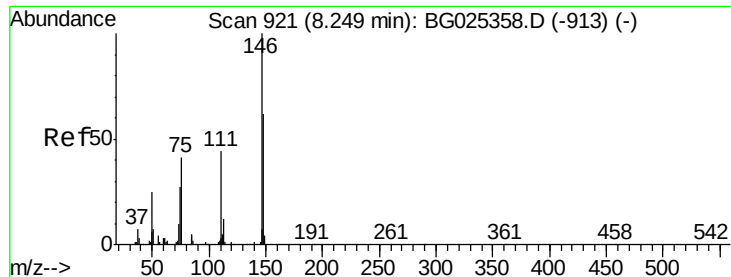
Tgt Ion: 93 Resp: 13442
Ion Ratio Lower Upper
93 100
63 84.7 78.5 118.5
95 31.4 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 4.80 ng
RT: 8.24 min Scan# 920
Delta R.T. 0.15 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion: 146 Resp: 17373
Ion Ratio Lower Upper
146 100
148 50.2 49.2 73.8
75 38.6 33.4 50.2

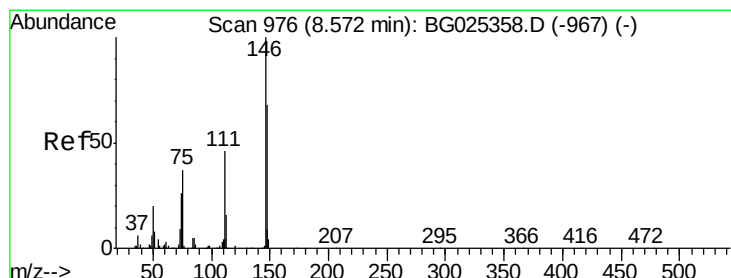
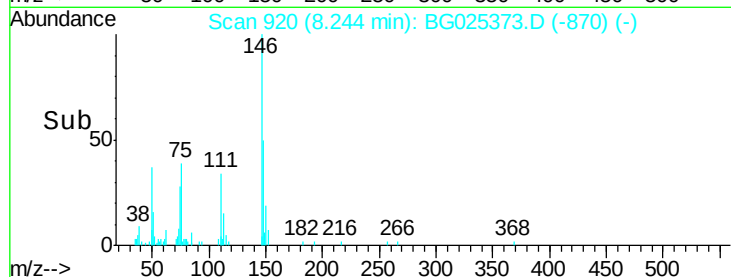
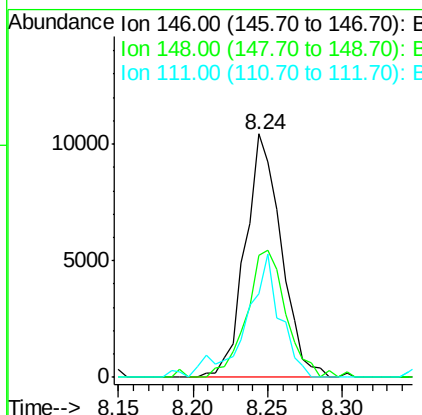
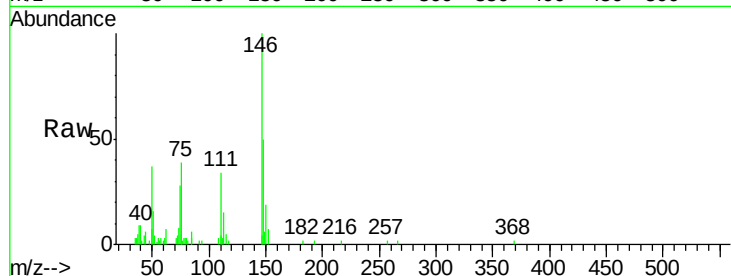




#13
 1,4-Dichlorobenzene
 Concen: 4.63 ng
 RT: 8.24 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

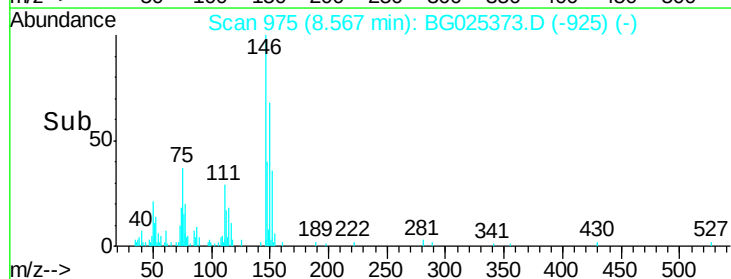
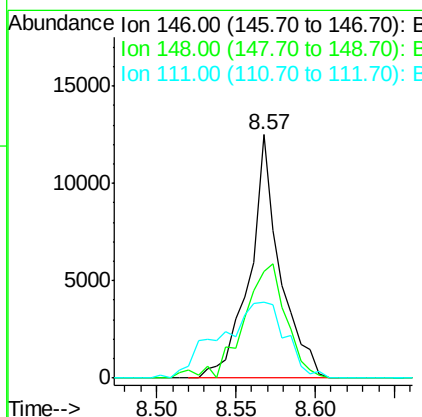
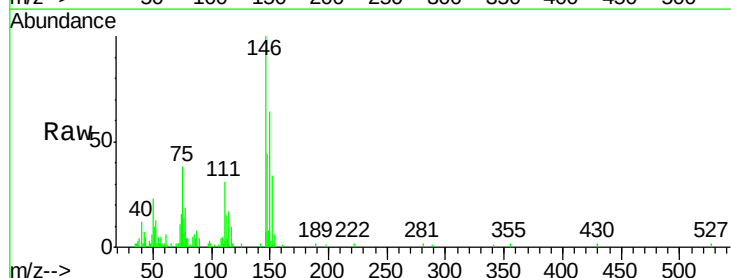
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

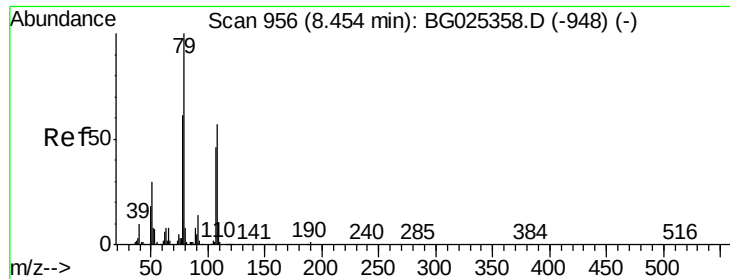
Tgt Ion	Ratio	Lower	Upper
146	100		
148	50.2	52.2	78.2#
111	34.5	37.0	55.6#



#14
 1,2-Dichlorobenzene
 Concen: 4.60 ng
 RT: 8.57 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	43.8	54.6	81.8#
111	30.9	39.7	59.5#

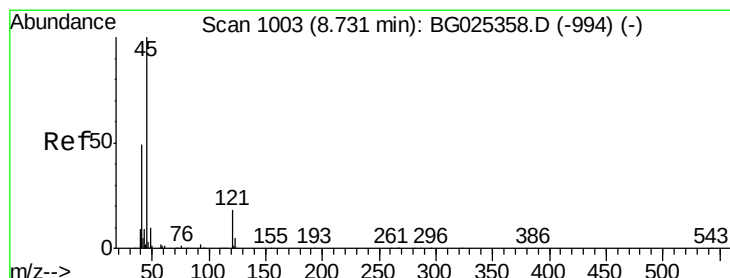
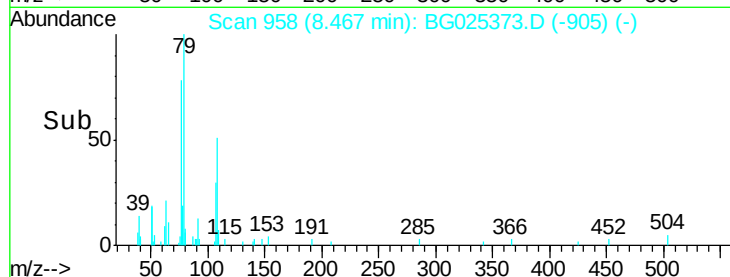
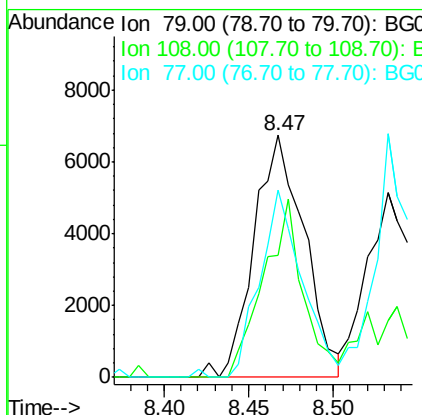
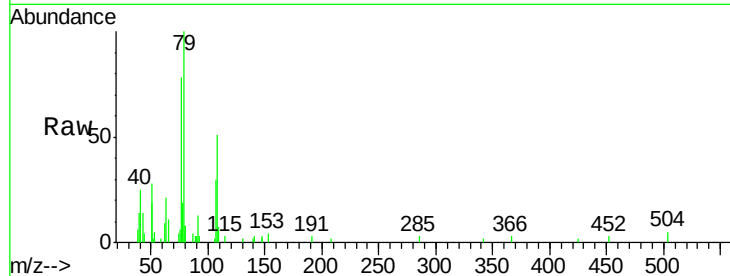




#15
Benzyl Alcohol
Concen: 3.89 ng
RT: 8.47 min Scan# 958
Delta R.T. 0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

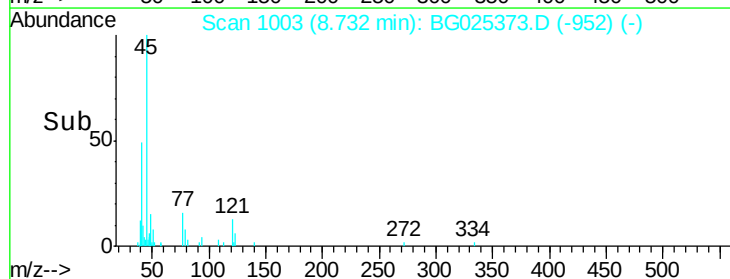
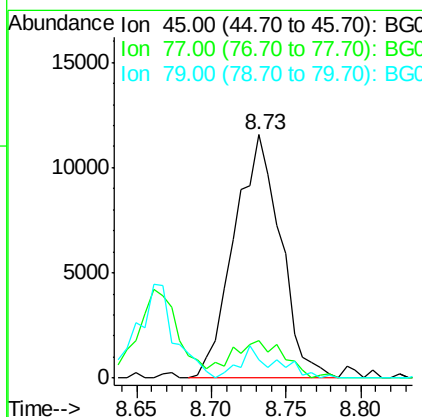
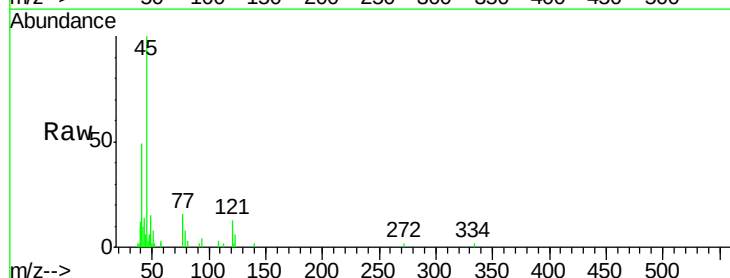
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

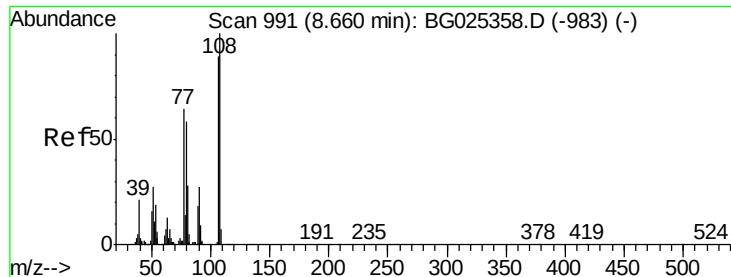
Tgt Ion: 79 Resp: 13875
Ion Ratio Lower Upper
79 100
108 50.5 45.5 68.3
77 77.7 54.3 81.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.22 ng
RT: 8.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion: 45 Resp: 24974
Ion Ratio Lower Upper
45 100
77 15.5 0.0 30.6
79 7.5 0.0 28.5

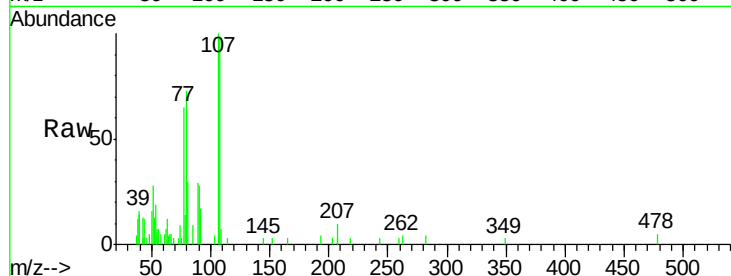




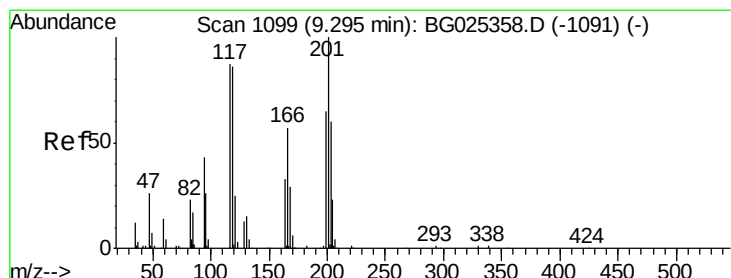
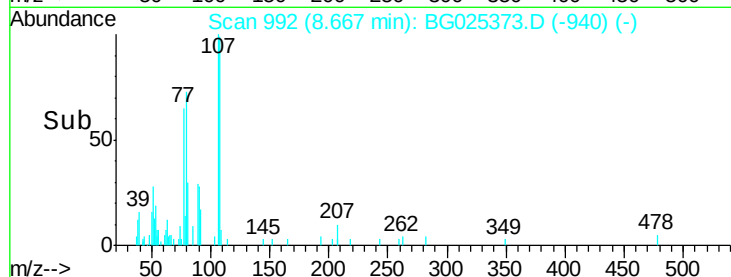
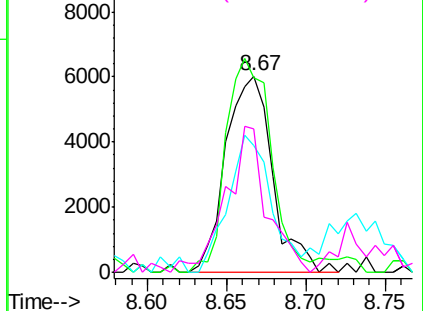
#17
2-Methylphenol
Concen: 4.53 ng
RT: 8.67 min Scan# 992
Delta R.T. 0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:	107	Resp:	12321
Ion	Ratio	Lower	Upper
107	100		
108	98.9	85.6	128.4
77	64.6	51.4	77.2
79	73.0	49.2	73.8

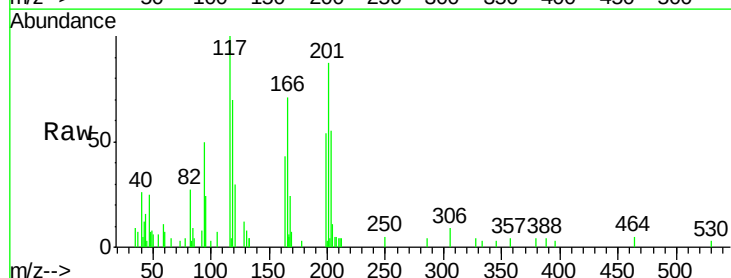


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

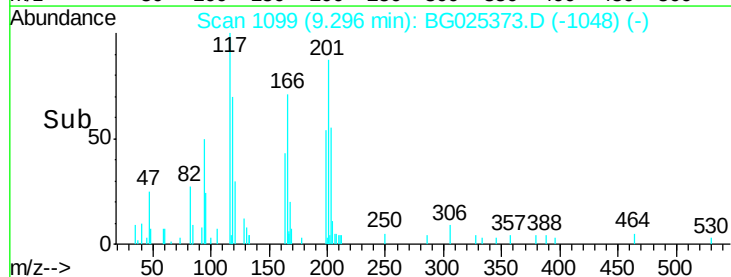
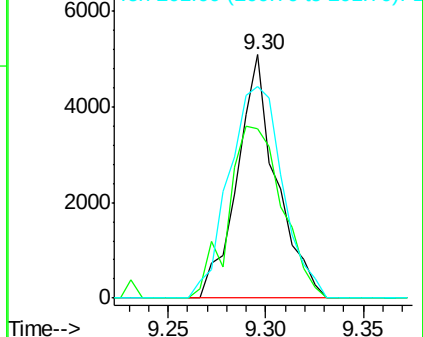


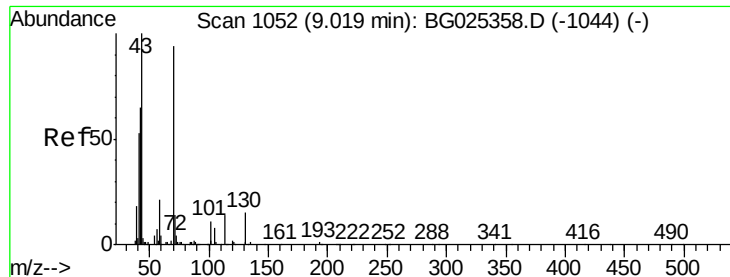
#18
Hexachloroethane
Concen: 4.90 ng
RT: 9.30 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:	117	Resp:	7062
Ion	Ratio	Lower	Upper
117	100		
119	69.7	69.8	104.6#
201	86.8	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

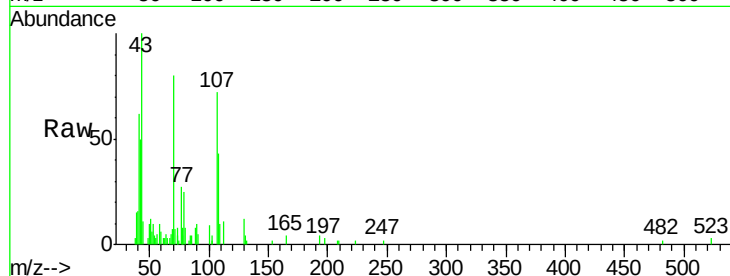




#19
n-Nitroso-di-n-propylamine
Concen: 3.98 ng
RT: 9.01 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:	70	Resp:	12576
Ion	Ratio	Lower	Upper
70	100		
42	63.1	56.1	84.1
101	10.6	7.5	11.3
130	15.0	14.6	21.8



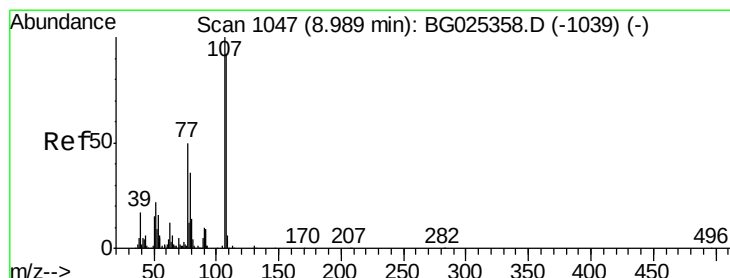
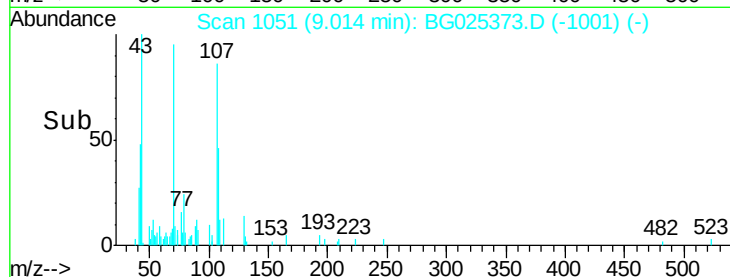
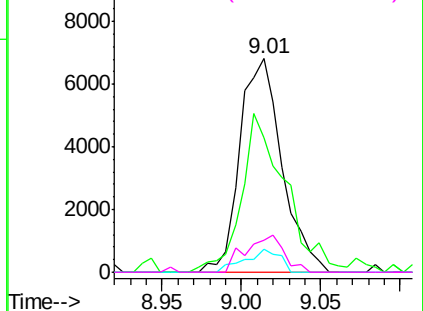
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

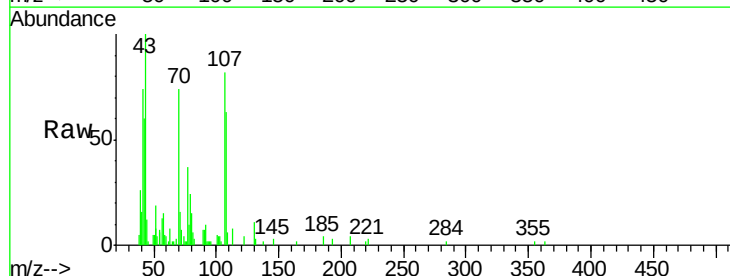
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 4.08 ng
RT: 9.01 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:	107	Resp:	15352
Ion	Ratio	Lower	Upper
107	100		
108	77.2	70.8	110.8
77	45.4	25.8	65.8
79	28.6	20.1	60.1



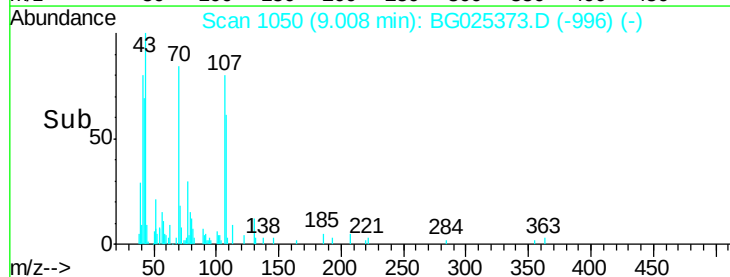
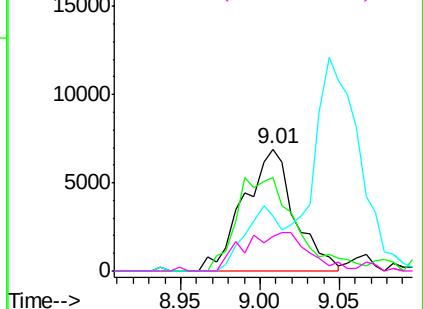
Abundance

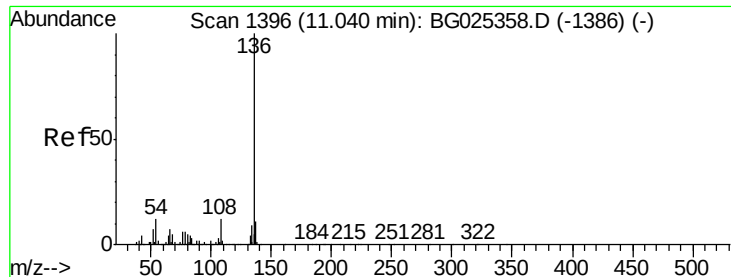
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

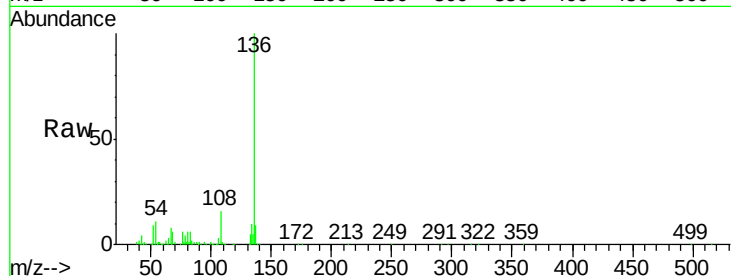




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:	136	Resp:	190782
Ion	Ratio	Lower	Upper
136	100		
137	9.2	8.9	13.3
54	11.0	9.3	13.9
68	5.9	5.1	7.7



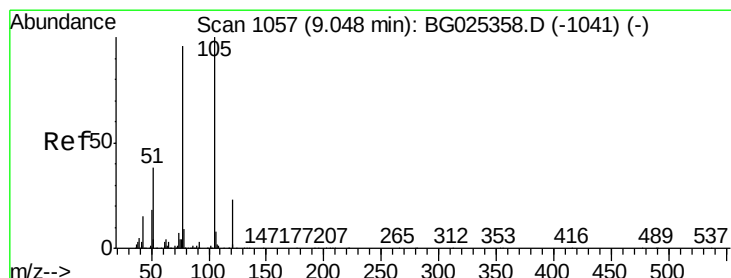
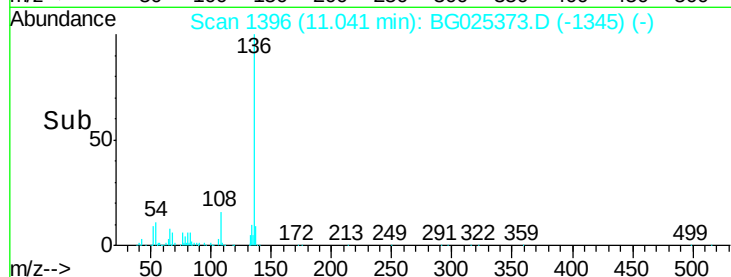
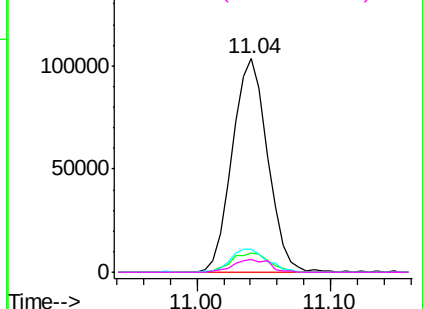
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

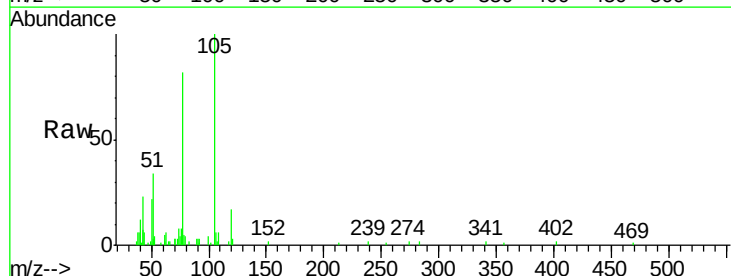
Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22
Acetophenone
Concen: 4.39 ng
RT: 9.05 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:	105	Resp:	23260
Ion	Ratio	Lower	Upper
105	100		
71	3.4	0.9	1.3#
51	34.3	34.0	51.0
120	17.1	17.3	25.9#



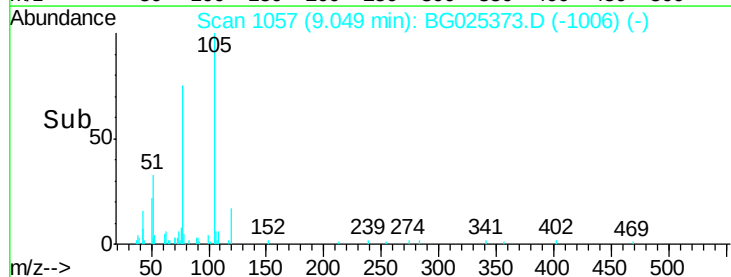
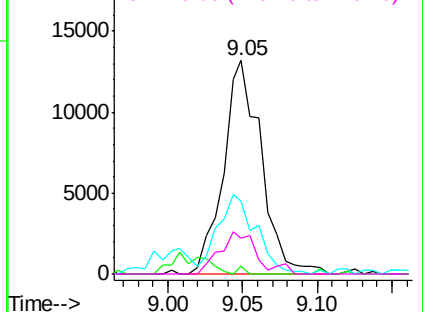
Abundance

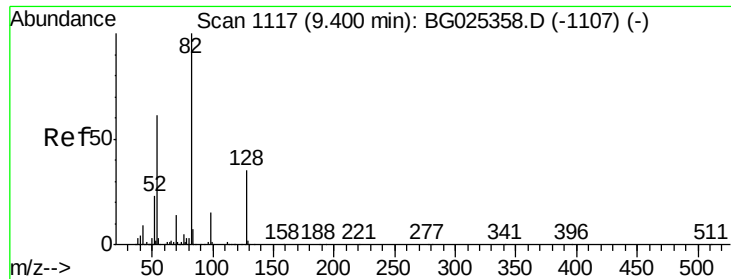
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

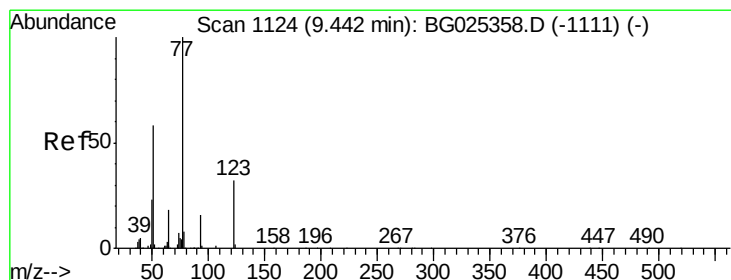
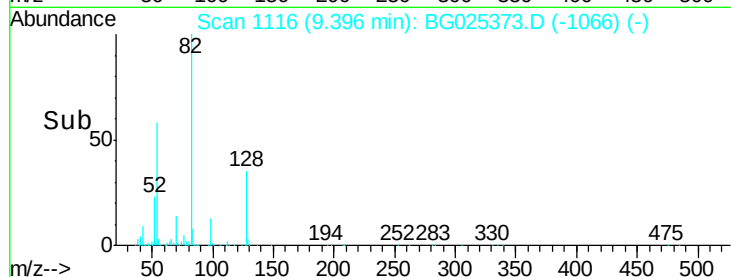
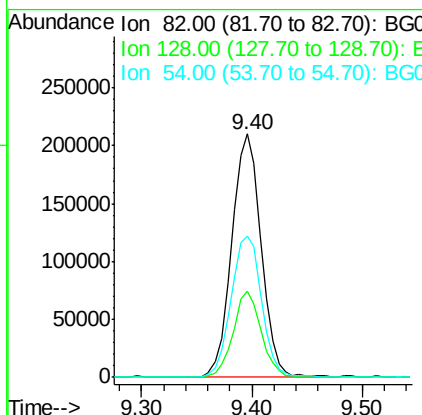
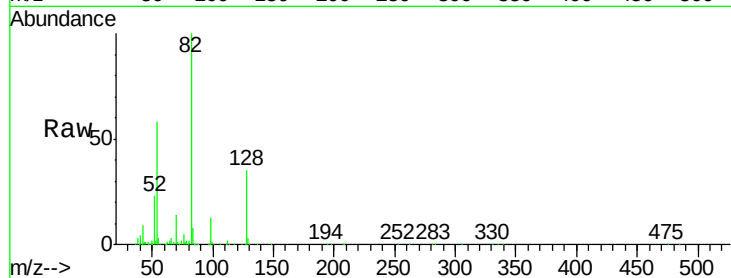




#23
 Nitrobenzene-d5
 Concen: 90.88 ng
 RT: 9.40 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

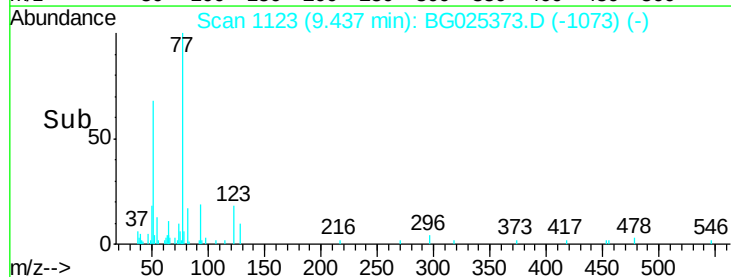
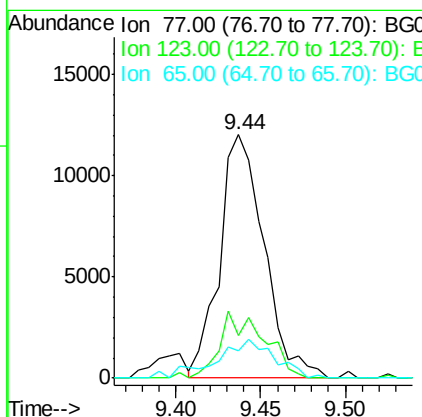
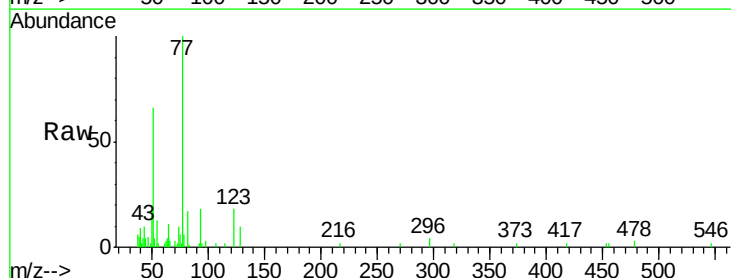
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

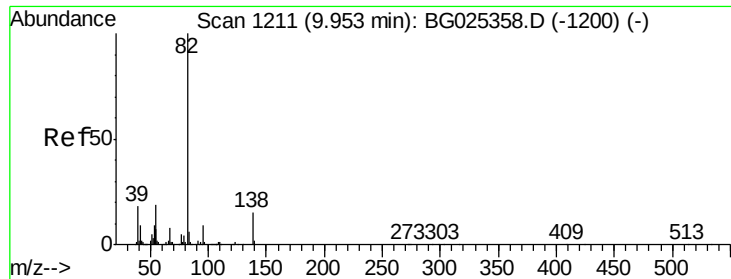
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.2	26.4	39.6
54	57.8	49.4	74.2



#24
 Nitrobenzene
 Concen: 4.65 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
77	100		
123	17.6	26.1	39.1#
65	11.0	12.4	18.6#





#25

Isophorone

Concen: 4.27 ng

RT: 9.95 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

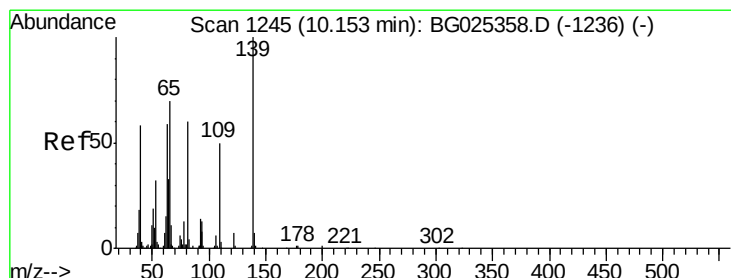
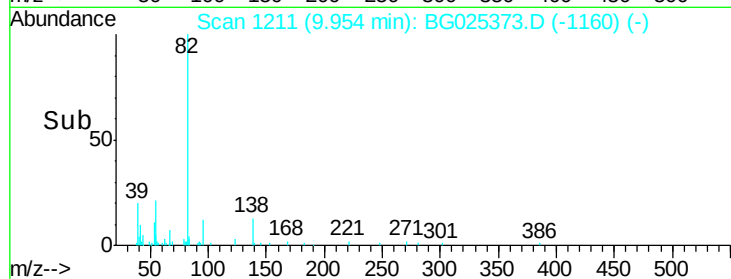
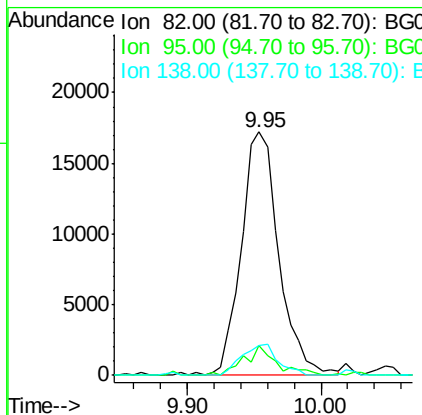
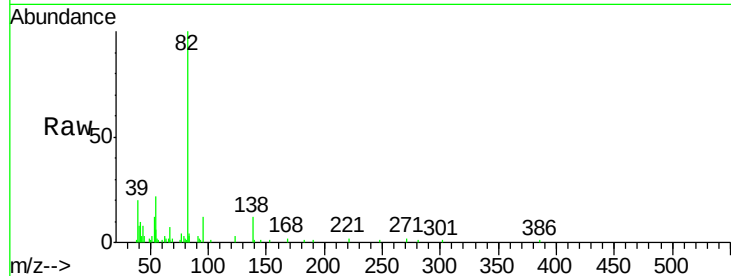
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	82	Resp:	33394
Ion	Ratio	Lower	Upper
82	100		
95	12.2	7.5	11.3#
138	12.5	12.3	18.5



#26

2-Nitrophenol

Concen: 3.92 ng

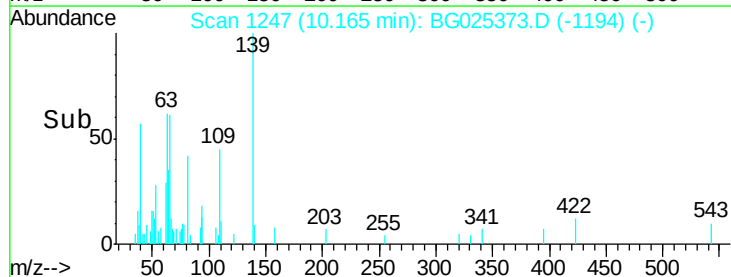
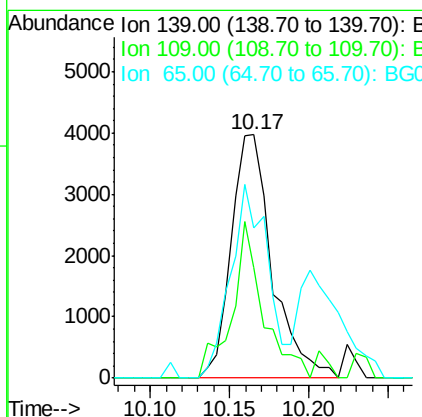
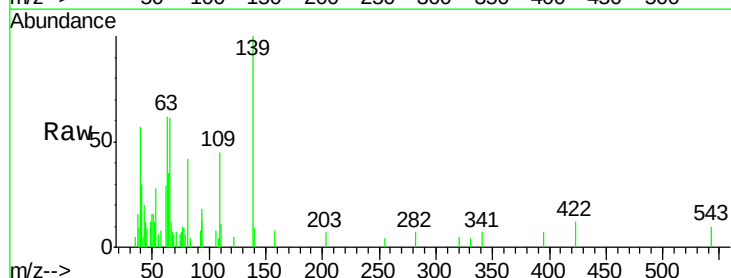
RT: 10.17 min Scan# 1247

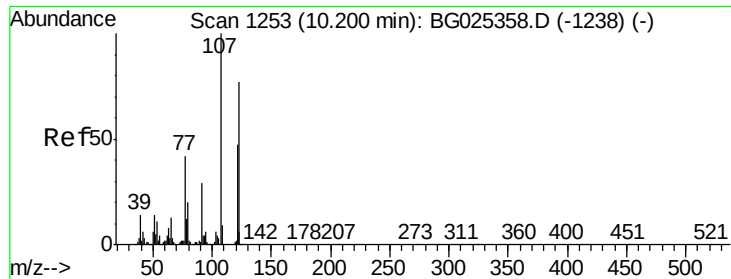
Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	139	Resp:	7109
Ion	Ratio	Lower	Upper
139	100		
109	45.2	38.6	58.0
65	61.5	57.1	85.7

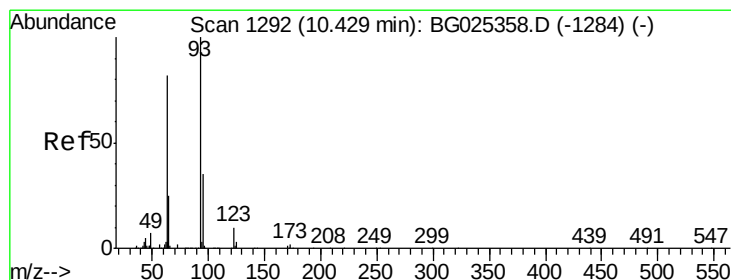
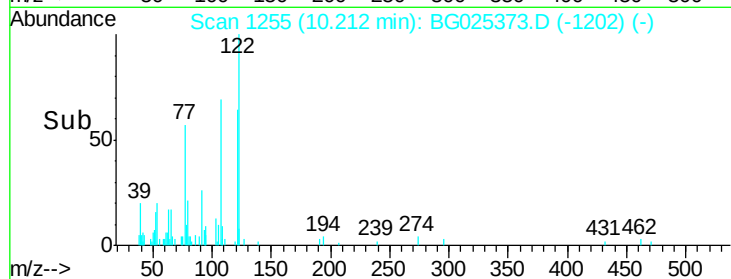
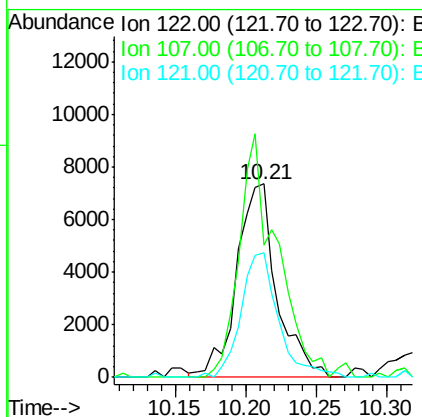
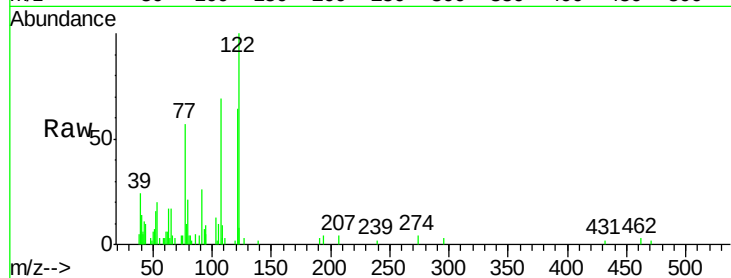




#27
 2,4-Dimethylphenol
 Concen: 4.90 ng
 RT: 10.21 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

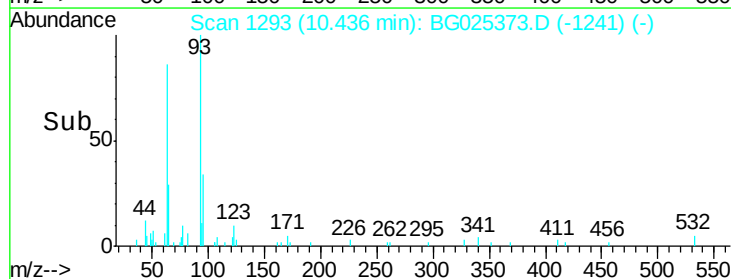
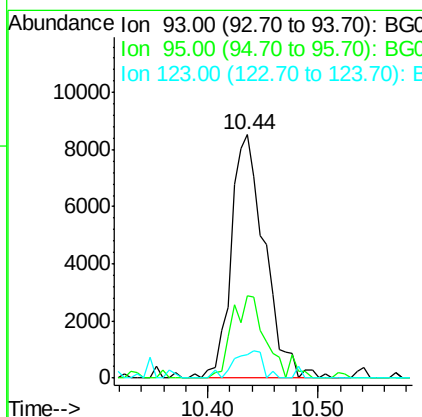
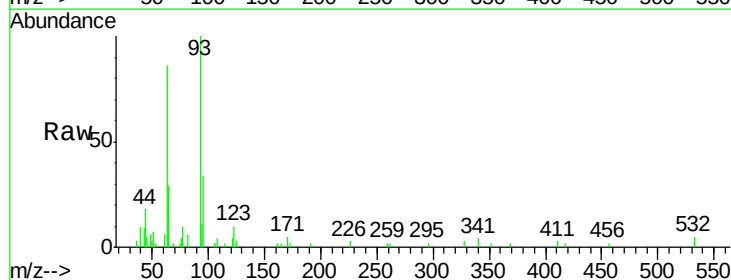
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

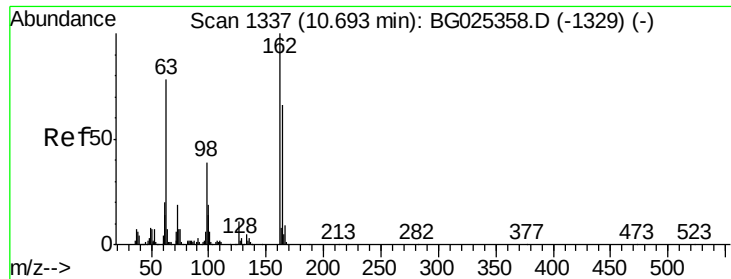
Tgt Ion: 122 Resp: 14607
 Ion Ratio Lower Upper
 122 100
 107 68.5 104.2 156.4#
 121 64.5 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.48 ng
 RT: 10.44 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion: 93 Resp: 18185
 Ion Ratio Lower Upper
 93 100
 95 34.0 25.7 38.5
 123 9.9 8.3 12.5

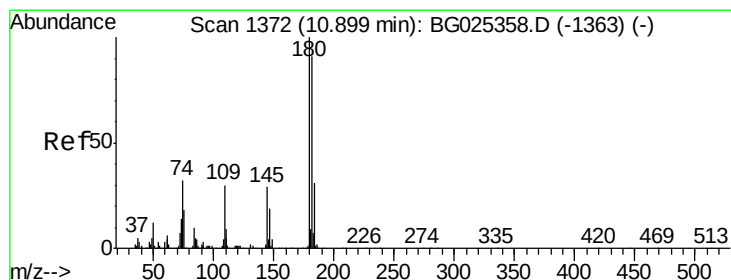
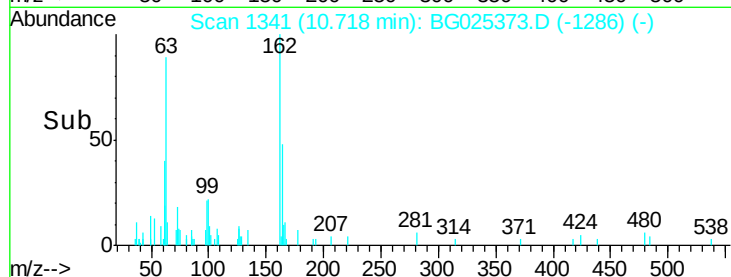
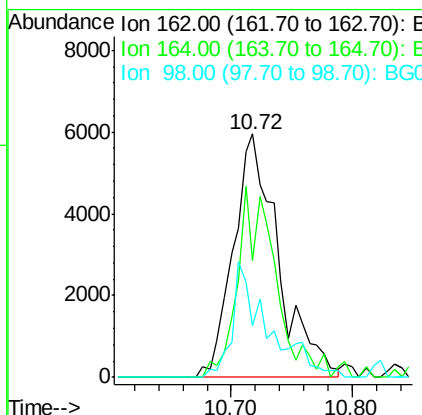
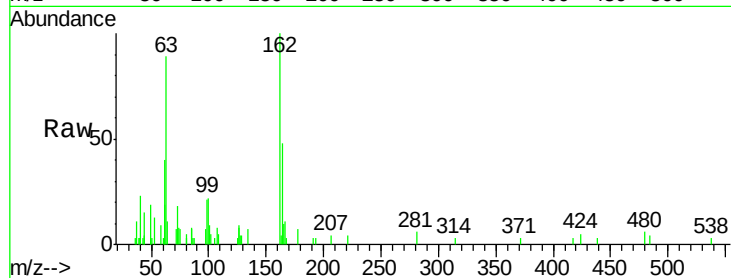




#29
2,4-Dichlorophenol
Concen: 4.84 ng
RT: 10.72 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

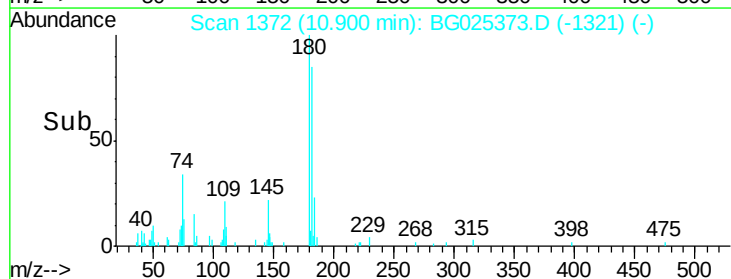
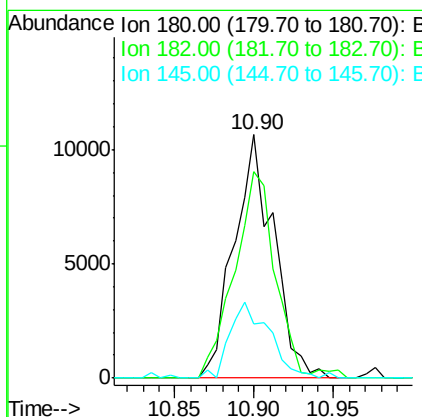
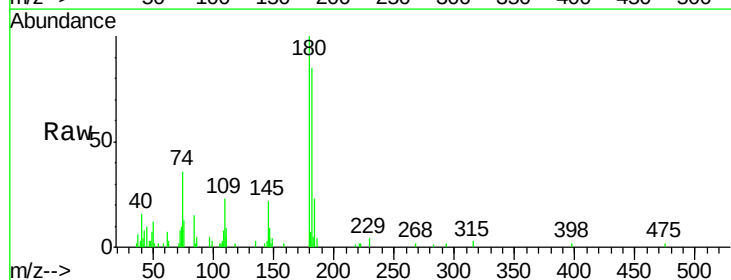
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

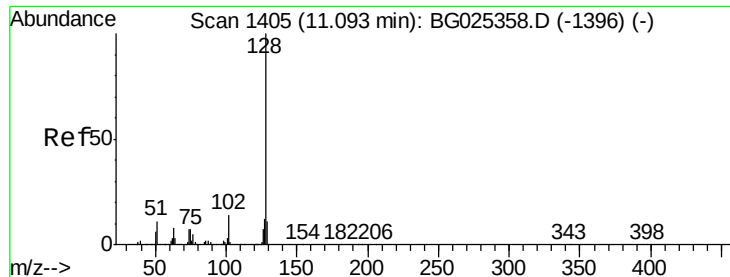
Tgt Ion	Ratio	Lower	Upper
162	100		
164	47.8	42.4	82.4
98	21.0	20.3	60.3



#30
1,2,4-Trichlorobenzene
Concen: 4.79 ng
RT: 10.90 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.6	77.0	115.4
145	22.0	23.4	35.0#





#31

Naphthalene

Concen: 4.49 ng

RT: 11.09 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

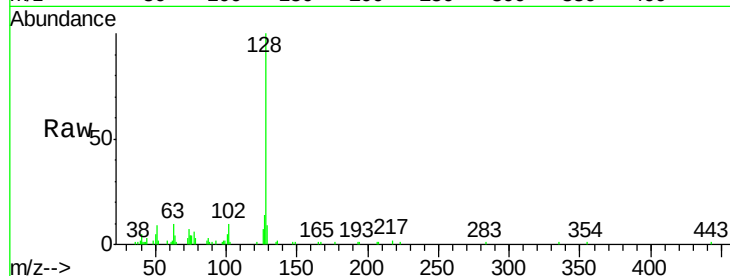
Tgt Ion:128 Resp: 42794

Ion Ratio Lower Upper

128 100

129 8.9 9.3 13.9#

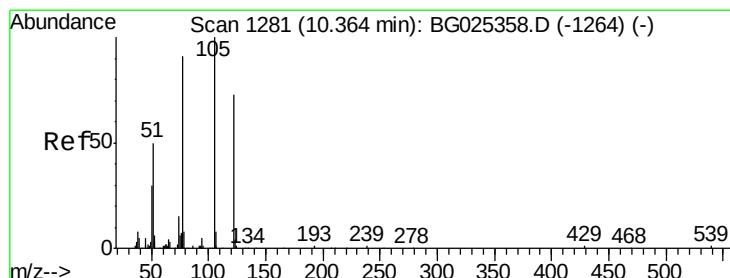
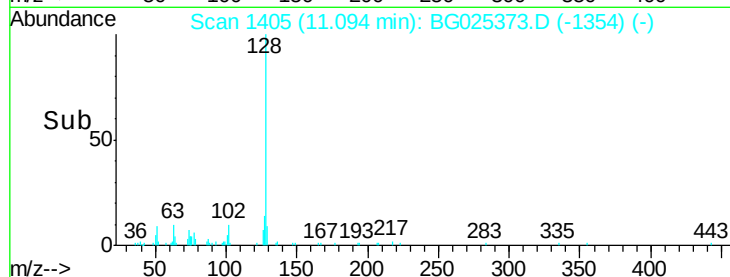
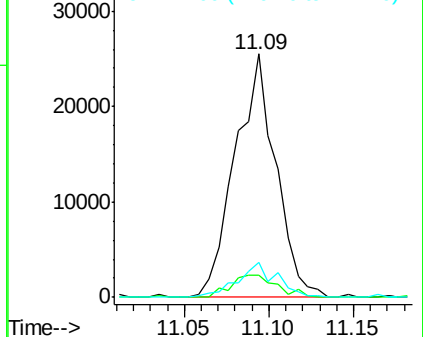
127 14.3 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.30 ng

RT: 10.39 min Scan# 1285

Delta R.T. 0.02 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

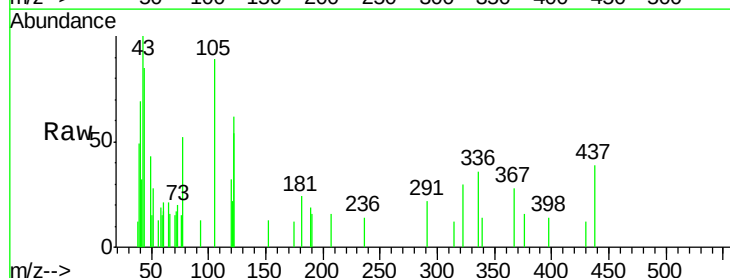
Tgt Ion:122 Resp: 724

Ion Ratio Lower Upper

122 100

105 77.1 120.1 160.1#

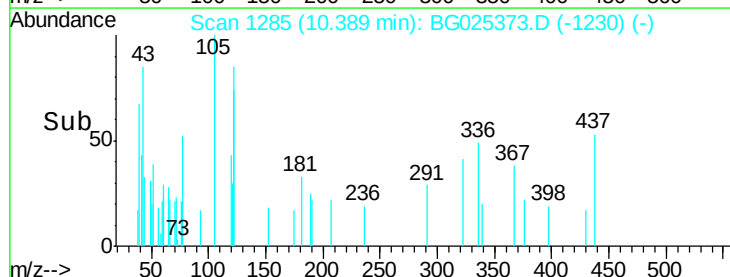
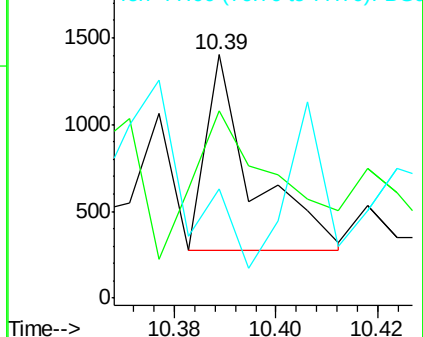
77 45.1 104.6 144.6#

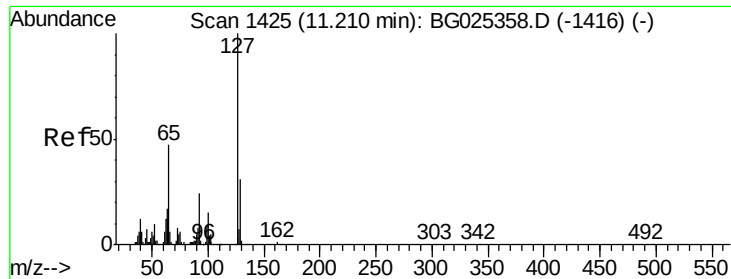


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

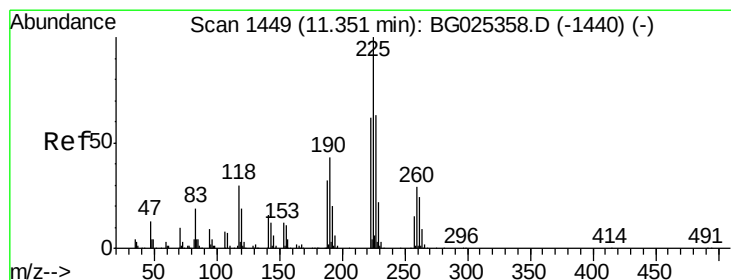
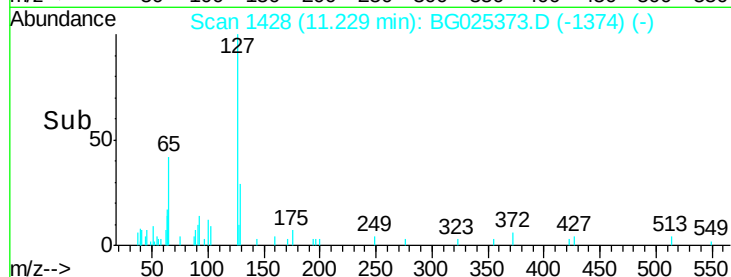
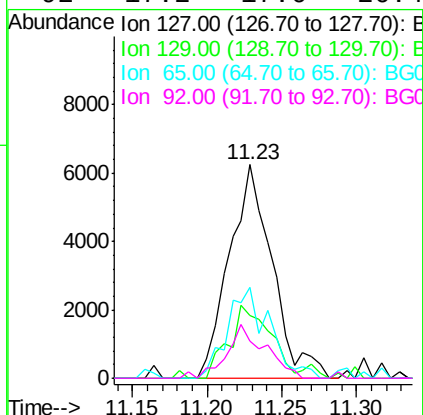
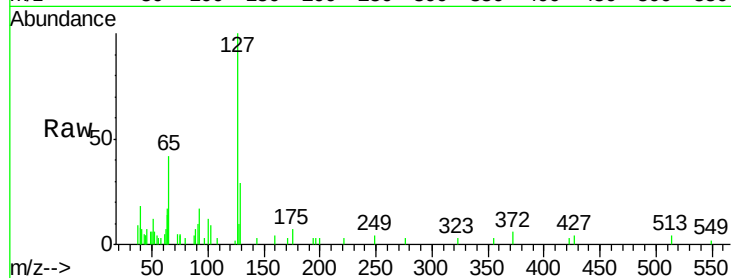




#33
4-Chloroaniline
Concen: 3.12 ng
RT: 11.23 min Scan# 1428
Delta R.T. 0.02 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

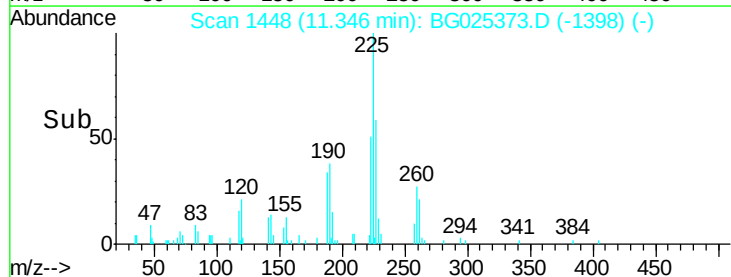
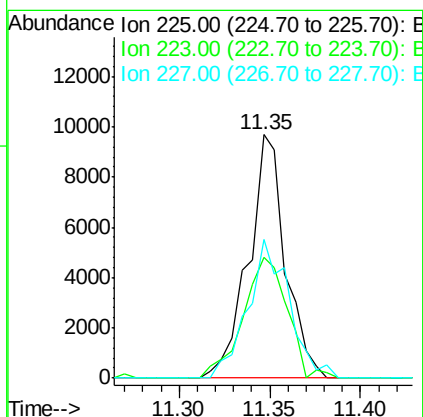
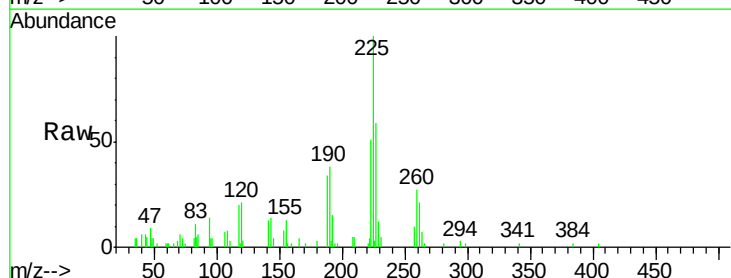
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

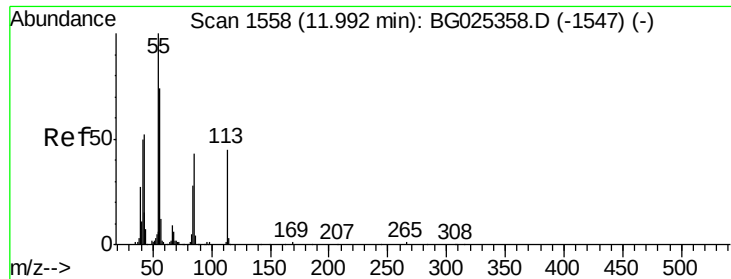
Tgt Ion:	127	Resp:	12490
Ion	Ratio	Lower	Upper
127	100		
129	29.1	23.6	35.4
65	42.3	37.7	56.5
92	17.2	17.6	26.4



#34
Hexachlorobutadiene
Concen: 4.37 ng
RT: 11.35 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:	225	Resp:	13750
Ion	Ratio	Lower	Upper
225	100		
223	49.8	50.7	76.1
227	57.2	49.0	73.6





#35

Caprolactam

Concen: 2.40 ng

RT: 11.98 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

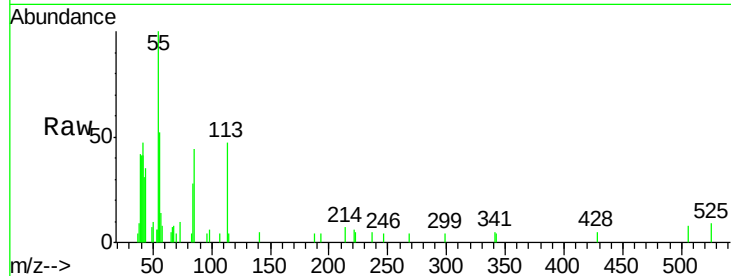
Tgt Ion:113 Resp: 2875

Ion Ratio Lower Upper

113 100

55 211.7 198.6 238.6

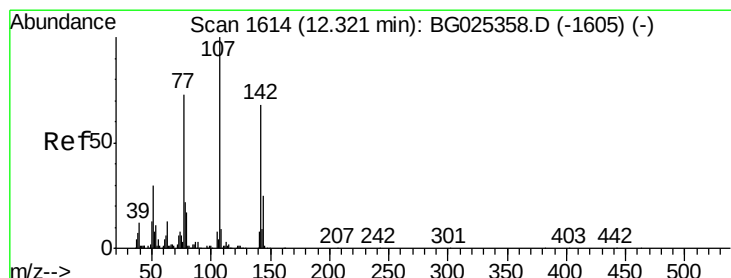
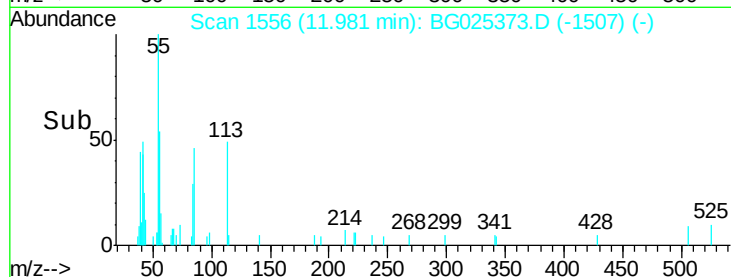
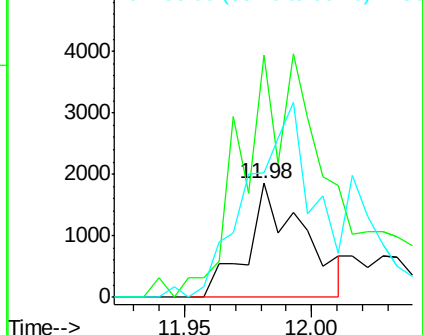
56 109.5 140.4 180.4#



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: 4.27 ng

RT: 12.33 min Scan# 1615

Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

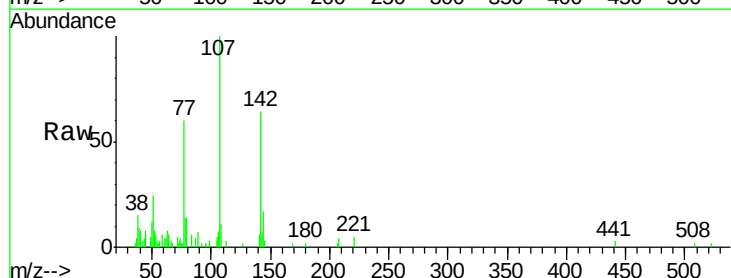
Tgt Ion:107 Resp: 16812

Ion Ratio Lower Upper

107 100

144 17.0 17.4 26.0#

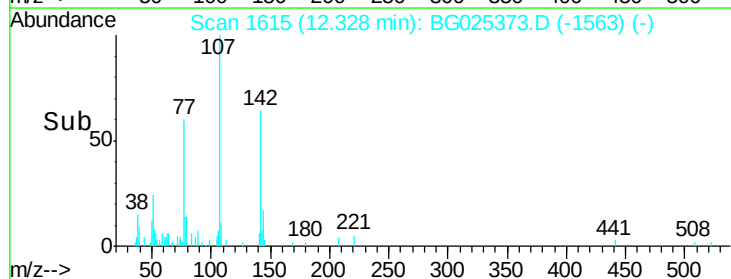
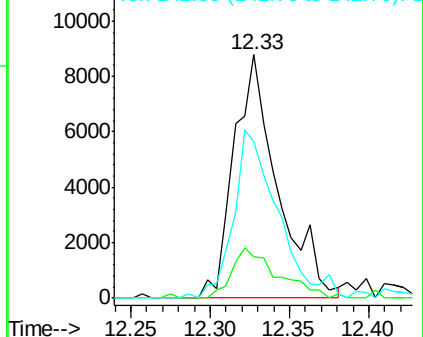
142 64.5 54.1 81.1

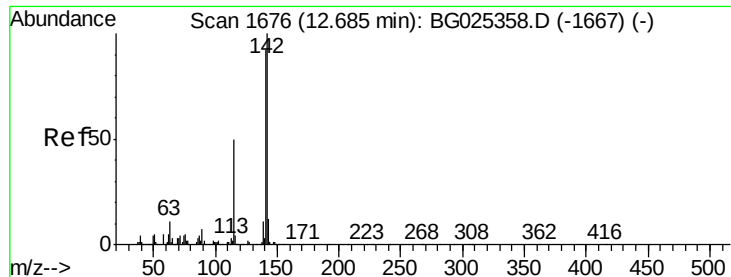


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

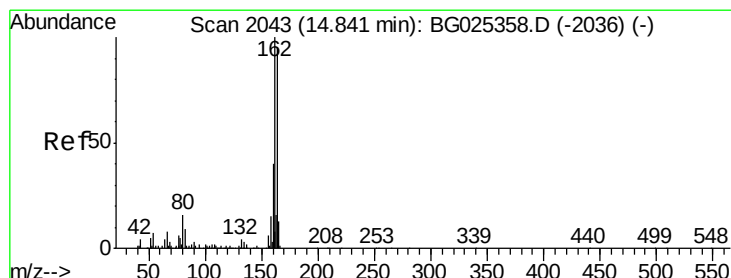
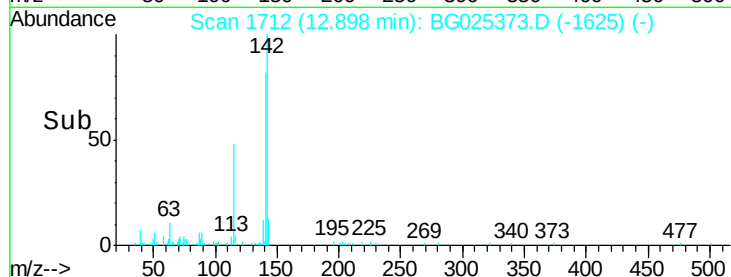
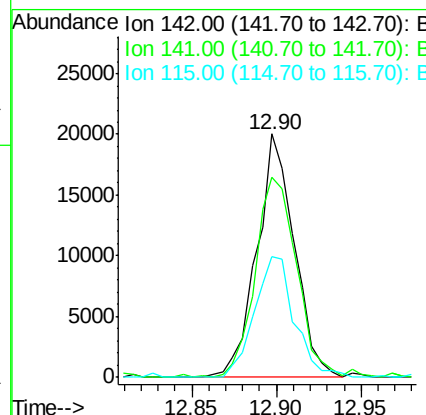
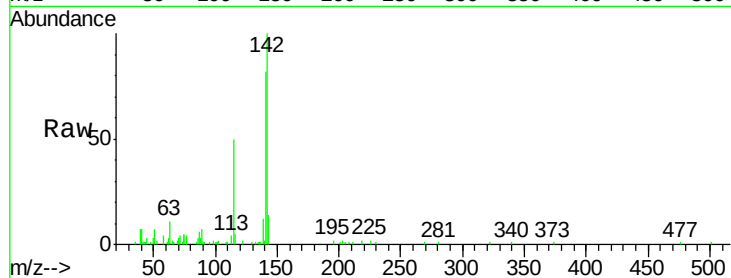




#37
 2-Methylnaphthalene
 Concen: 4.38 ng
 RT: 12.90 min Scan# 1712
 Delta R.T. 0.21 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

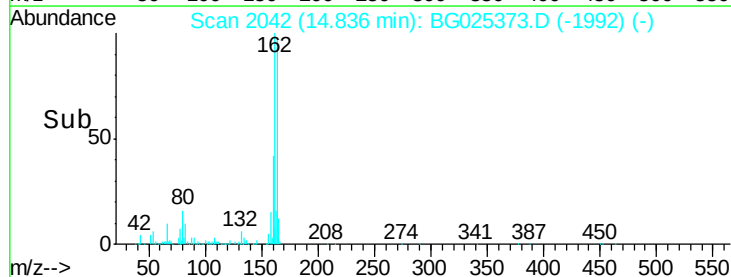
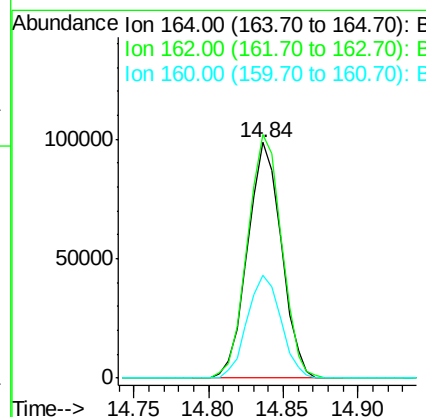
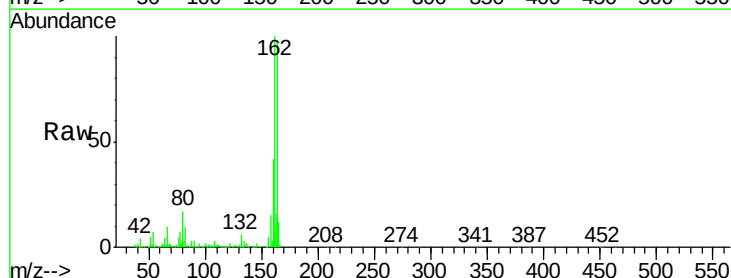
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

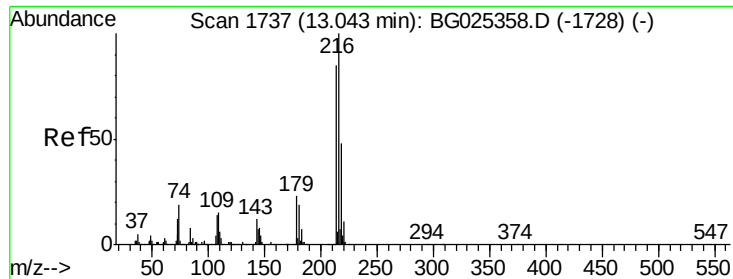
Tgt Ion:142 Resp: 30940
 Ion Ratio Lower Upper
 142 100
 141 82.0 70.4 105.6
 115 49.6 35.5 53.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.84 min Scan# 2042
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion:164 Resp: 154402
 Ion Ratio Lower Upper
 164 100
 162 103.3 85.1 127.7
 160 43.9 34.7 52.1

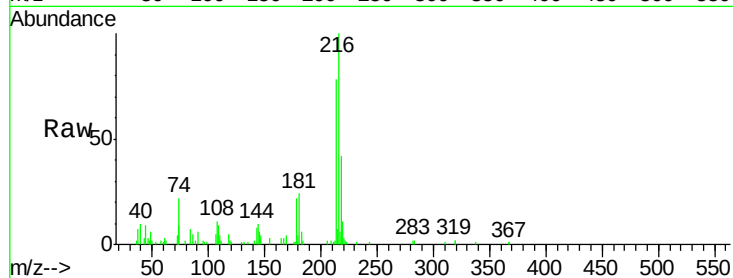




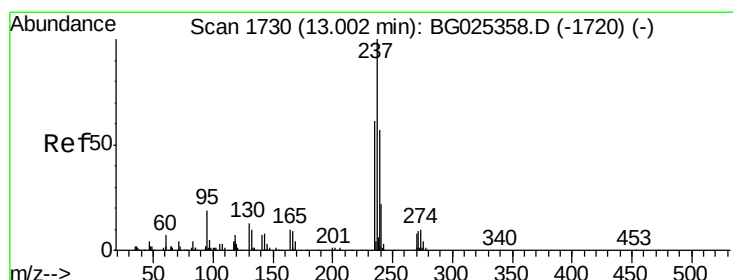
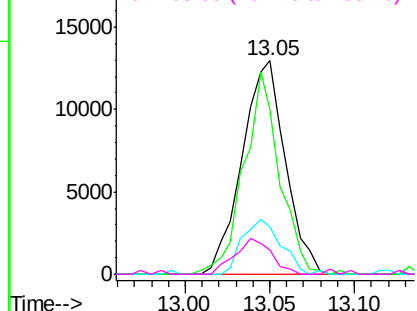
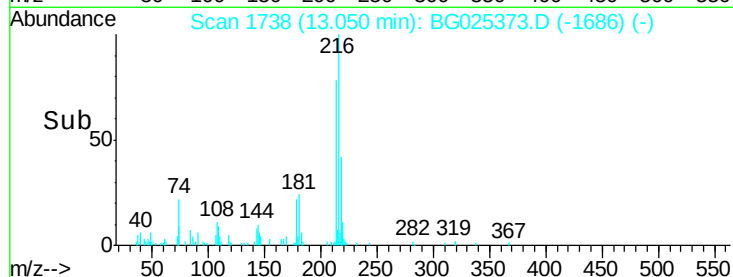
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.53 ng
 RT: 13.05 min Scan# 1738
 Delta R.T. 0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tgt Ion:	216	Resp:	23095
Ion Ratio		Lower	Upper
216	100		
214	78.2	64.4	96.6
179	23.2	17.4	26.0
108	14.1	15.6	23.4#

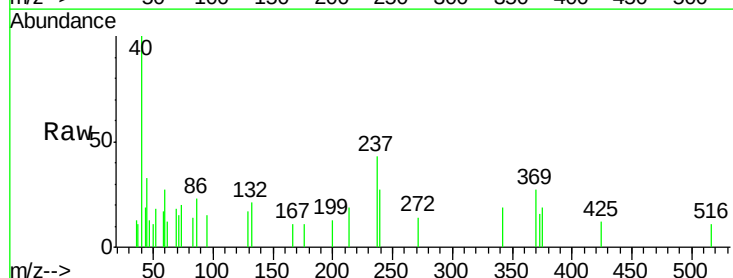


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

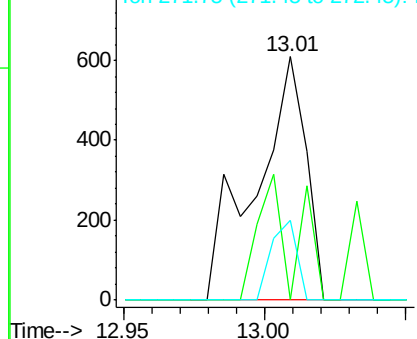
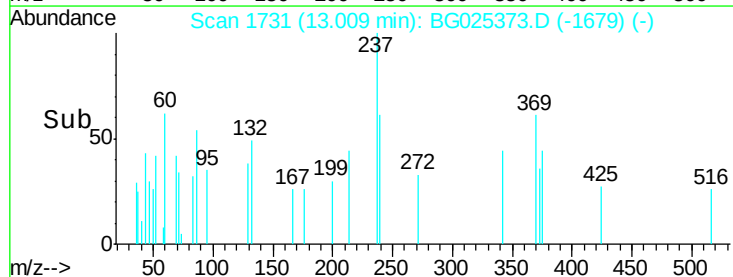


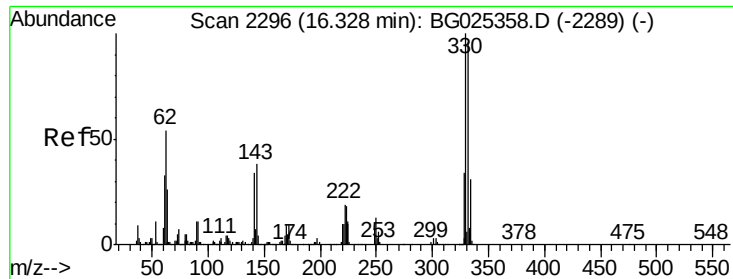
#40
 Hexachlorocyclopentadiene
 Concen: 8.87 ng
 RT: 13.01 min Scan# 1731
 Delta R.T. 0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion:	237	Resp:	755
Ion Ratio		Lower	Upper
237	100		
235	0.0	39.4	79.4#
272	32.7	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

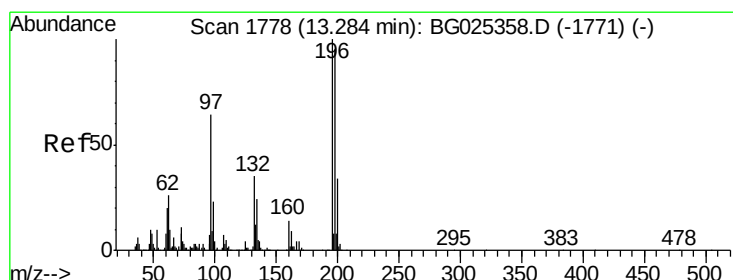
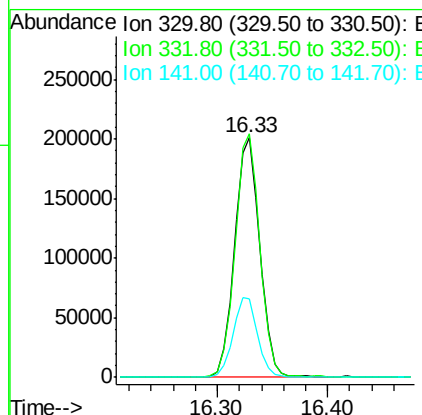
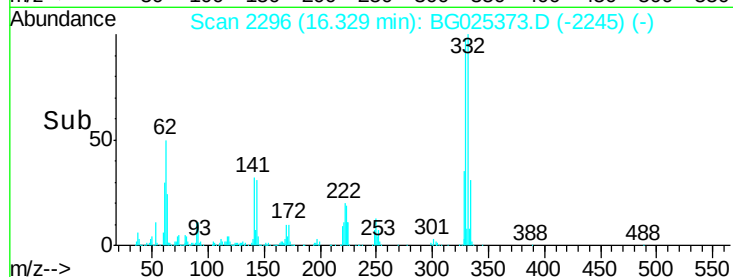
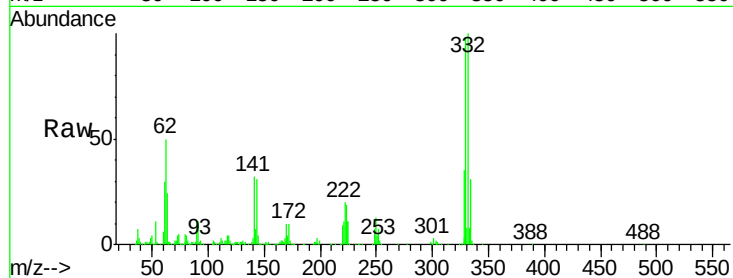




#41
 2,4,6-Tribromophenol
 Concen: 129.72 ng
 RT: 16.33 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

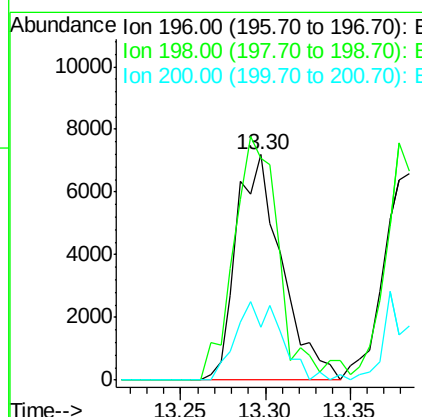
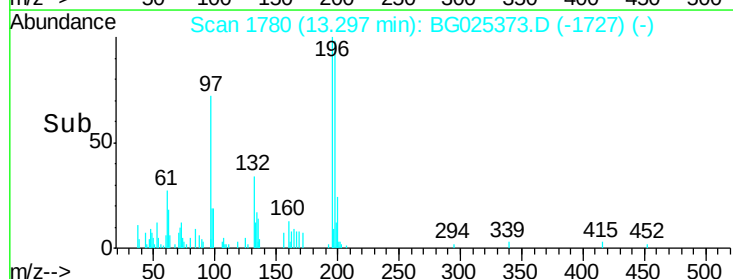
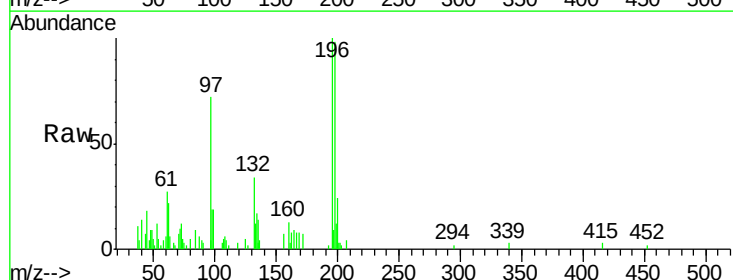
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

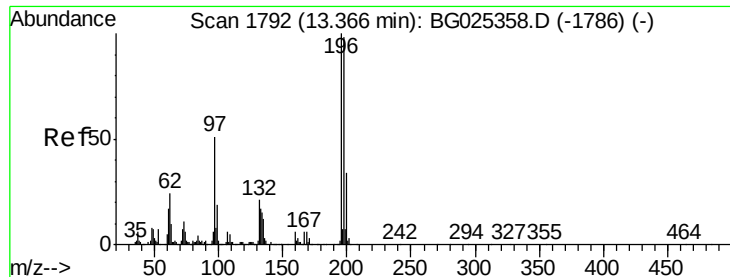
Tgt Ion:330 Resp: 322467
 Ion Ratio Lower Upper
 330 100
 332 99.8 77.3 115.9
 141 32.4 32.1 48.1



#42
 2,4,6-Trichlorophenol
 Concen: 4.18 ng
 RT: 13.30 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion:196 Resp: 13429
 Ion Ratio Lower Upper
 196 100
 198 98.4 81.4 122.2
 200 23.5 27.0 40.6#

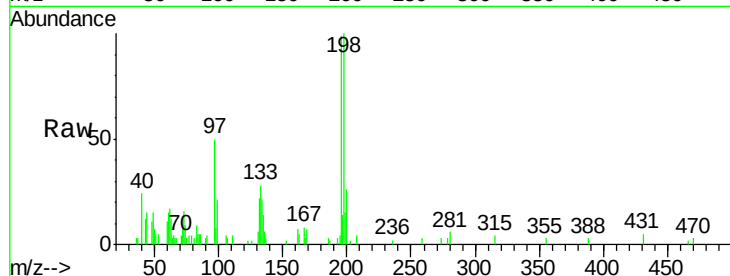




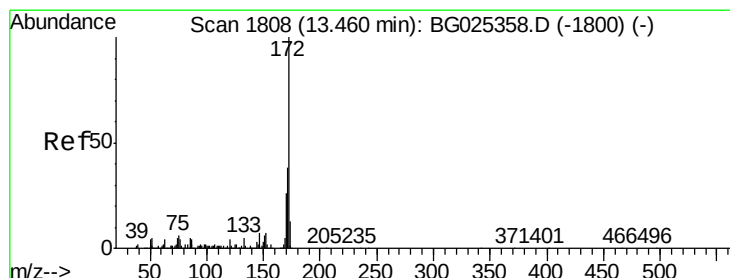
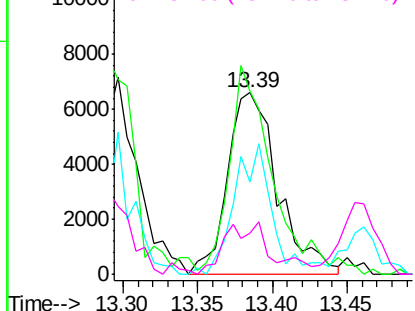
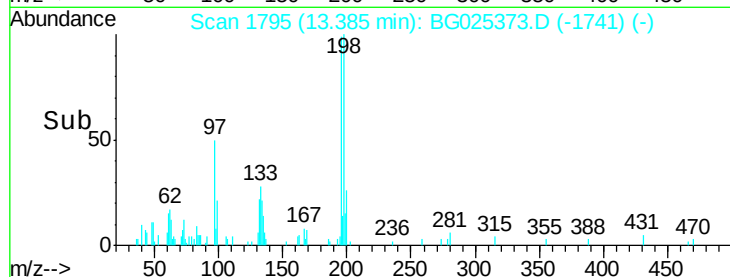
#43
 2,4,5-Trichlorophenol
 Concen: 4.62 ng
 RT: 13.39 min Scan# 1795
 Delta R.T. 0.02 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.2	79.9	119.9
97	50.5	45.4	68.0
132	22.5	20.7	31.1

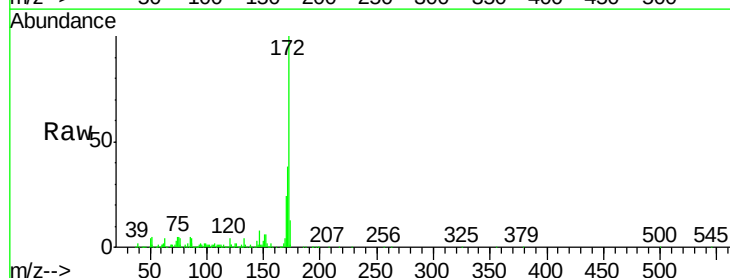


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

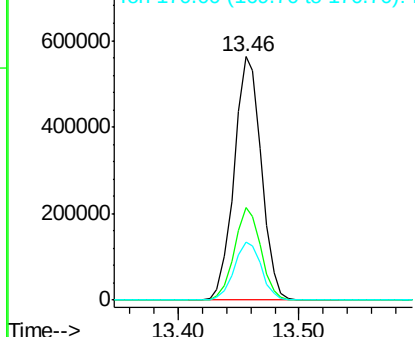
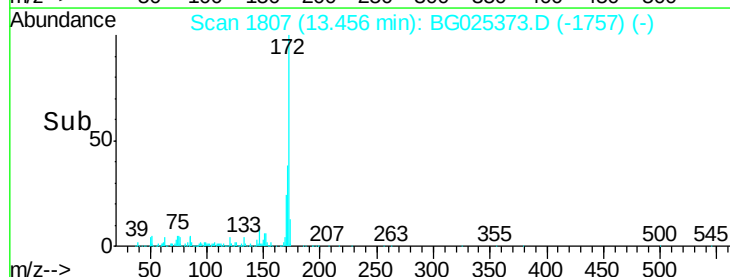


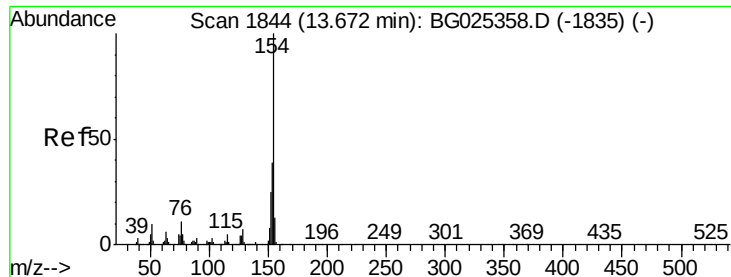
#44
 2-Fluorobiphenyl
 Concen: 92.34 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	32.2	48.2
170	23.8	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

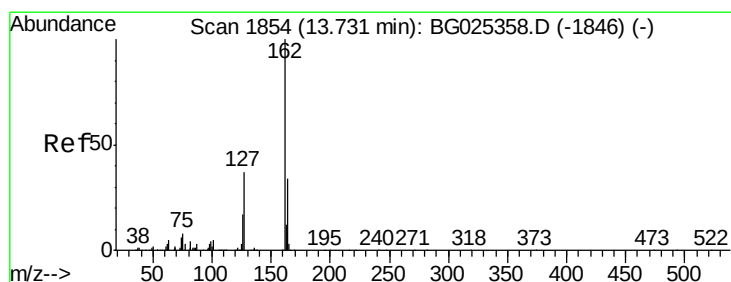
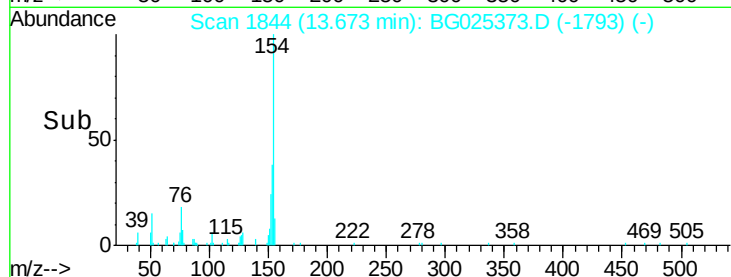
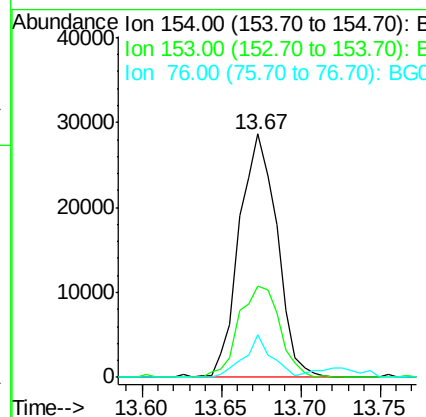
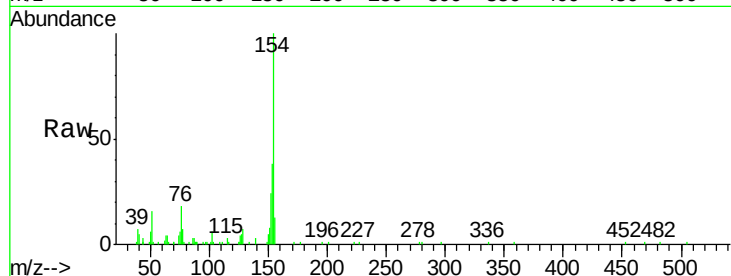




#45
 1,1'-Biphenyl
 Concen: 4.57 ng
 RT: 13.67 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

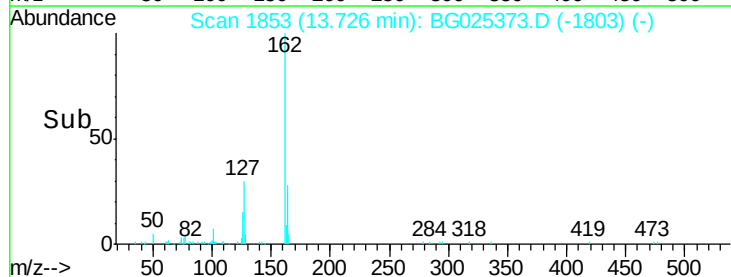
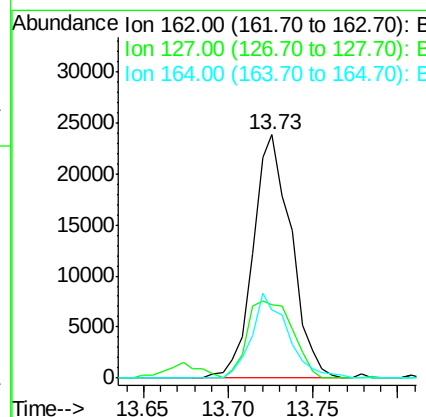
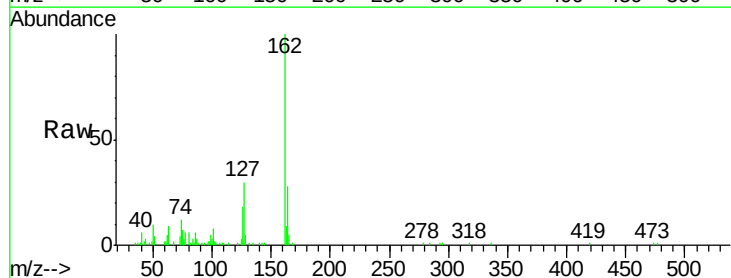
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

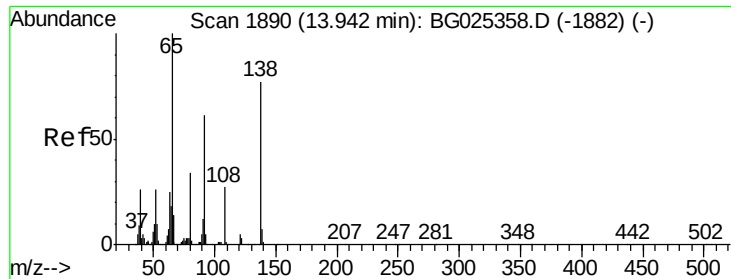
Tgt Ion:	154	Resp:	47475
Ion Ratio	Lower	Upper	
154	100		
153	37.5	23.0	63.0
76	17.7	0.0	33.5



#46
 2-Chloronaphthalene
 Concen: 4.59 ng
 RT: 13.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion:	162	Resp:	37263
Ion Ratio	Lower	Upper	
162	100		
127	30.4	32.2	48.4#
164	28.3	27.3	40.9





#47

2-Nitroaniline

Concen: 4.28 ng

RT: 13.96 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

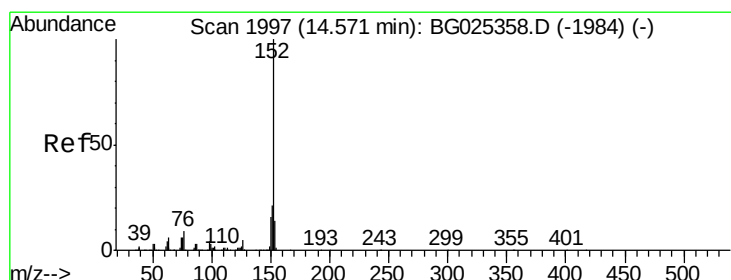
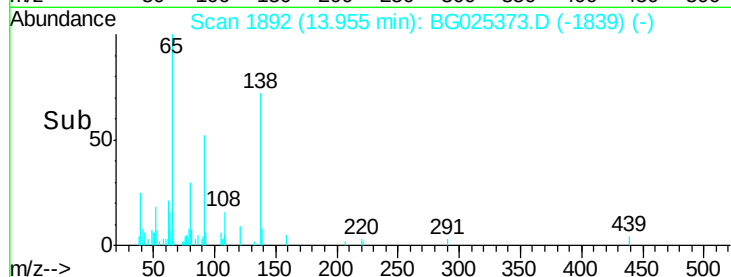
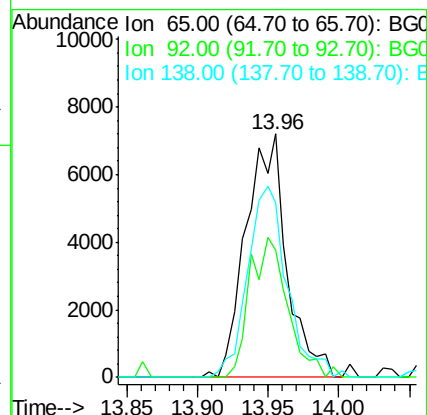
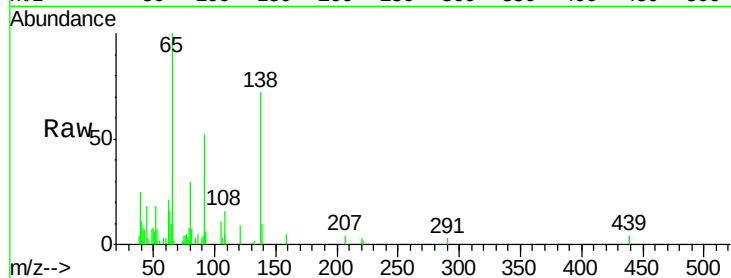
Tgt Ion: 65 Resp: 14646

Ion Ratio Lower Upper

65 100

92 52.4 49.0 73.4

138 71.7 58.6 87.8



#48

Acenaphthylene

Concen: 4.38 ng

RT: 14.57 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

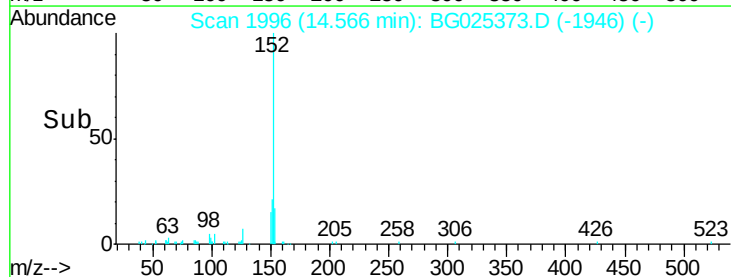
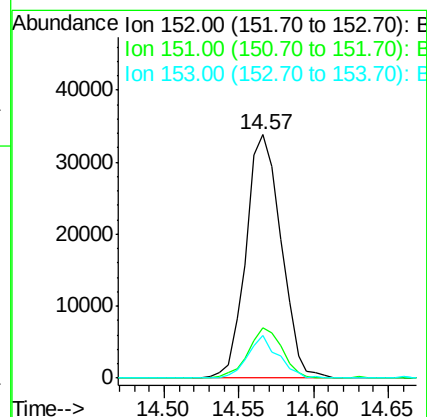
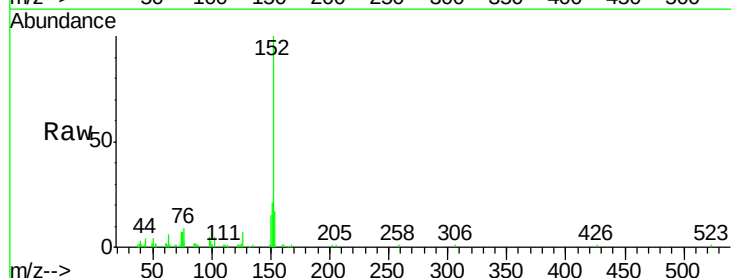
Tgt Ion: 152 Resp: 55086

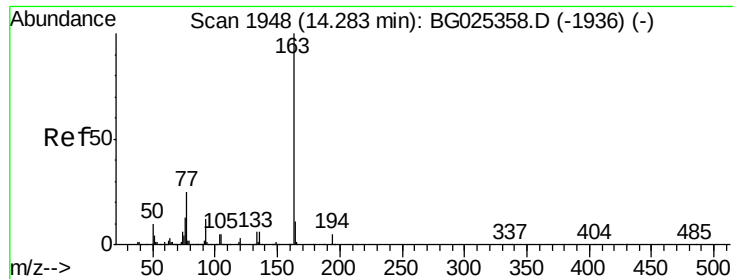
Ion Ratio Lower Upper

152 100

151 20.7 18.2 27.2

153 17.4 11.3 16.9#





#49

Dimethylphthalate

Concen: 4.46 ng

RT: 14.28 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

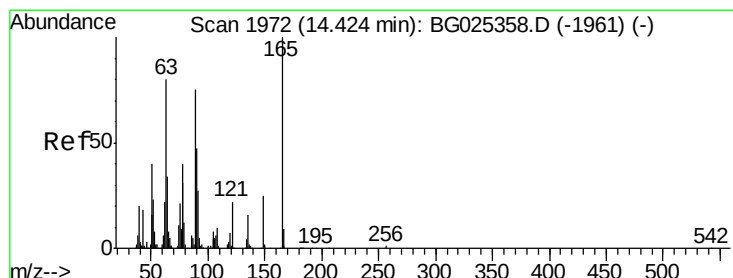
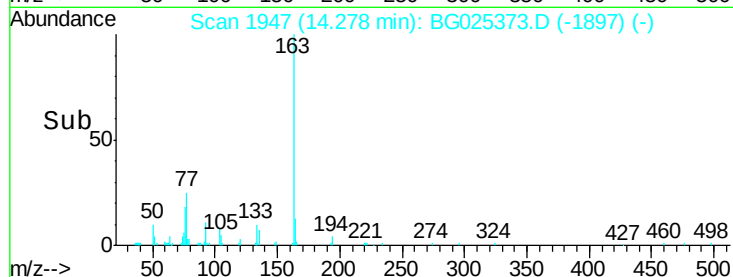
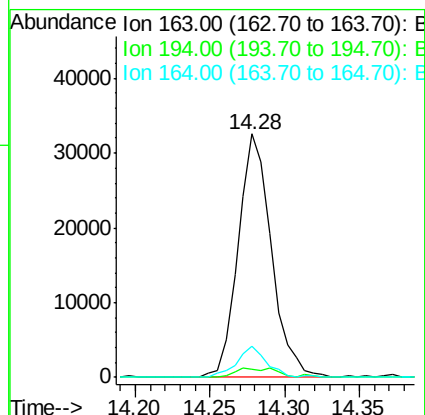
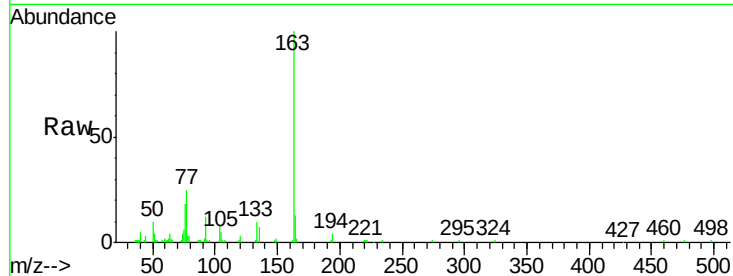
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	163	Resp:	50200
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.8	5.6#
164	12.8	9.3	13.9



#50

2,6-Dinitrotoluene

Concen: 4.87 ng

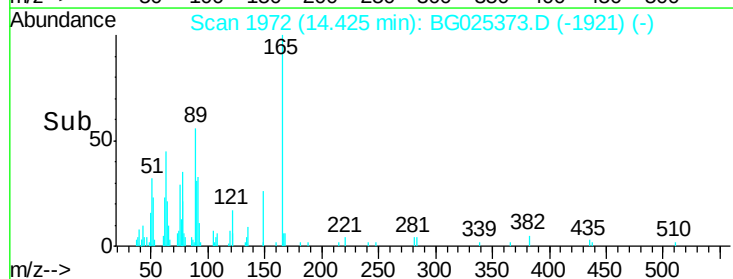
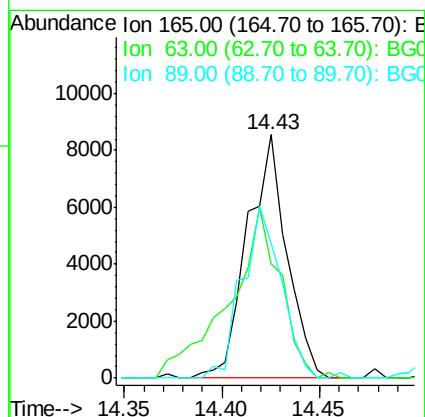
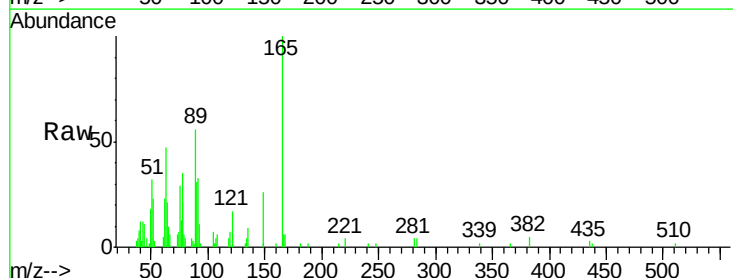
RT: 14.43 min Scan# 1972

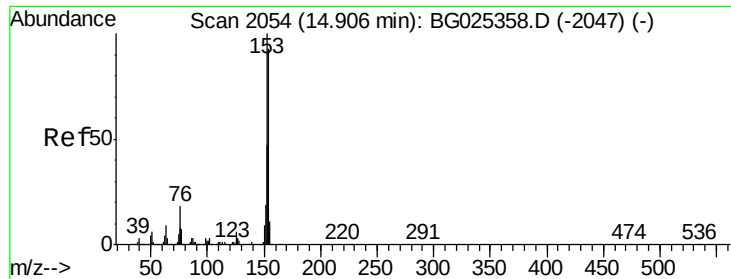
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	165	Resp:	11979
Ion Ratio	Lower	Upper	
165	100		
63	47.0	63.9	95.9#
89	55.6	58.6	88.0#





#51

Acenaphthene

Concen: 4.40 ng

RT: 14.90 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

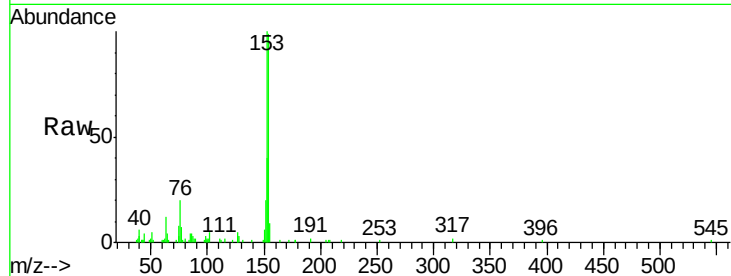
Tgt Ion:154 Resp: 36226

Ion Ratio Lower Upper

154 100

153 100.7 87.8 131.6

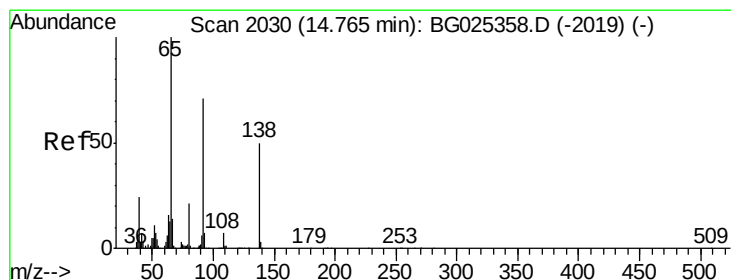
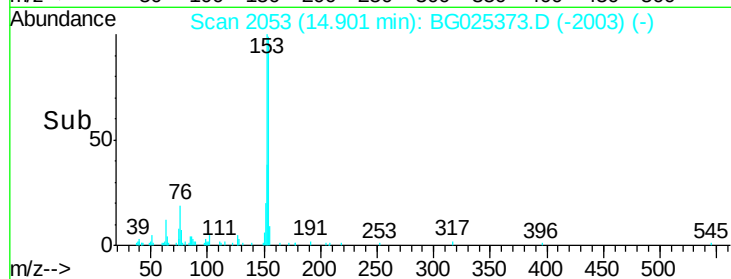
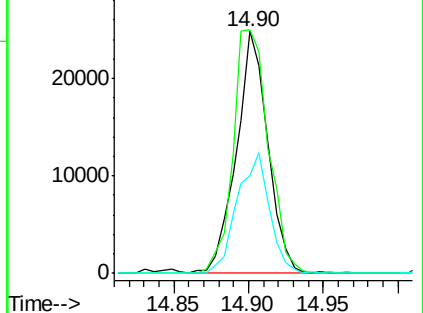
152 40.2 42.2 63.4#



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: 3.52 ng

RT: 14.78 min Scan# 2033

Delta R.T. 0.02 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

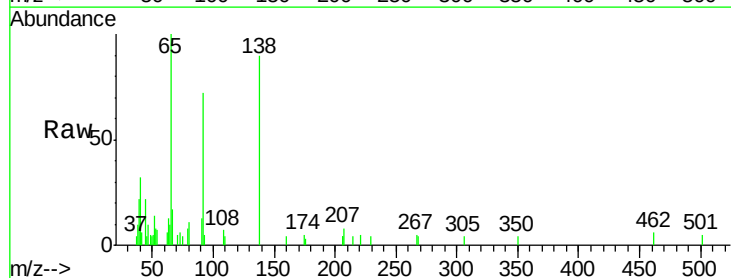
Tgt Ion:138 Resp: 8315

Ion Ratio Lower Upper

138 100

108 7.4 10.9 16.3#

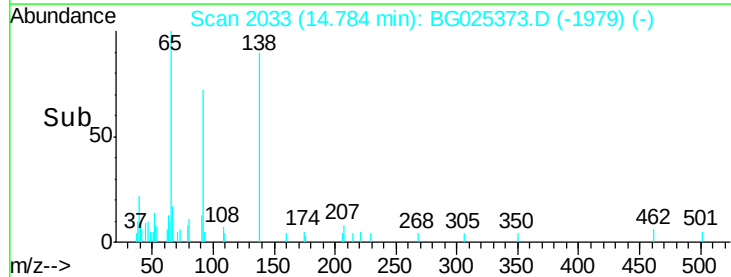
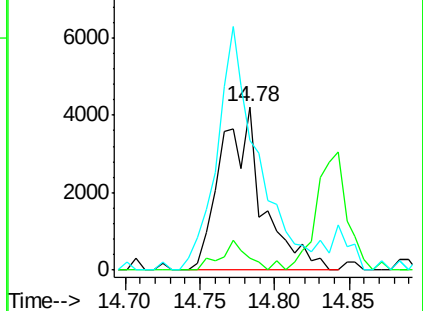
92 79.6 115.3 172.9#

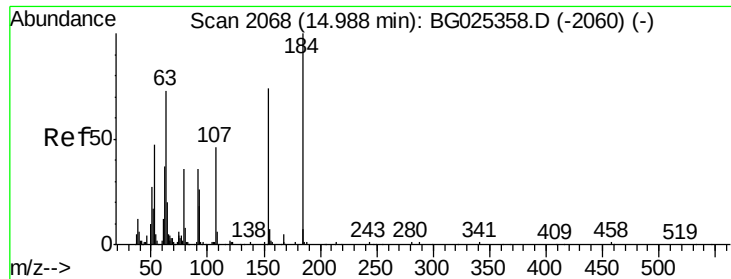


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

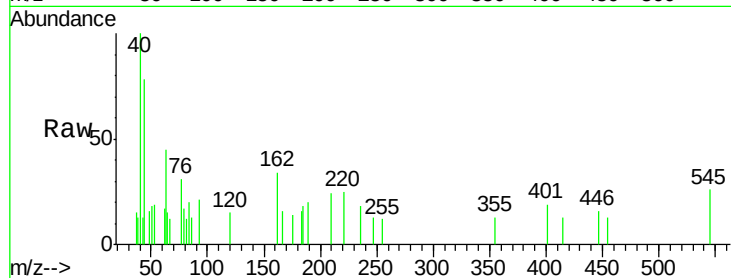




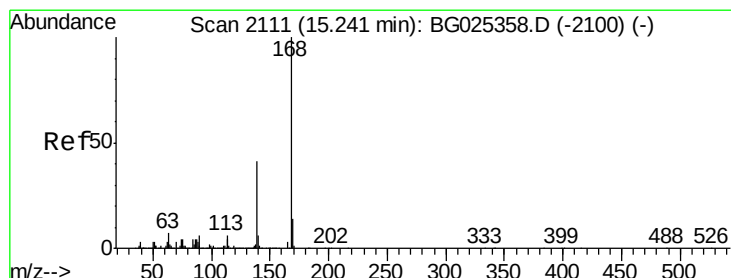
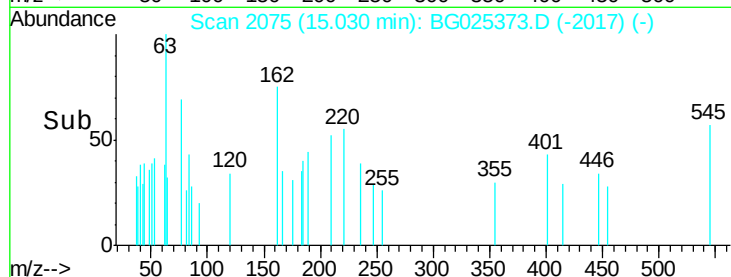
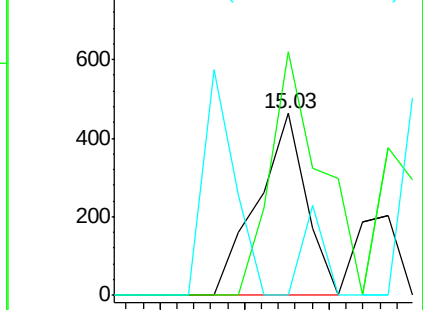
#53
2,4-Dinitrophenol
Concen: 5.29 ng
RT: 15.03 min Scan# 2075
Delta R.T. 0.04 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:184 Resp: 372
Ion Ratio Lower Upper
184 100
63 133.9 52.7 79.1#
154 0.0 57.3 85.9#

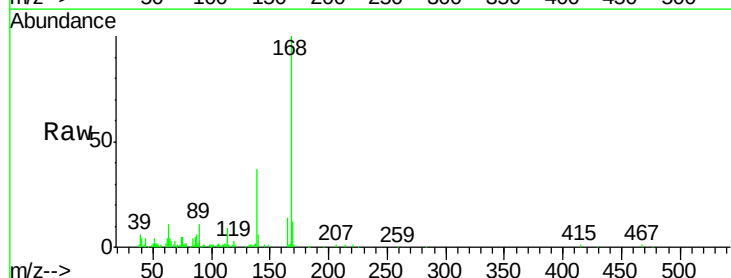


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

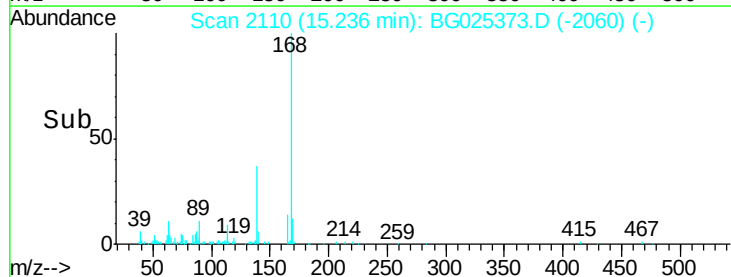
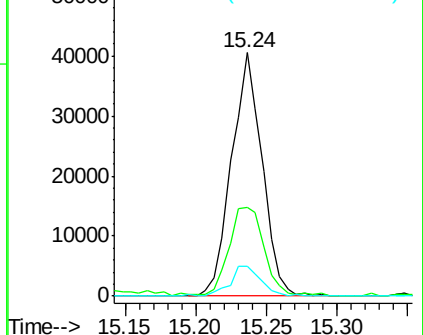


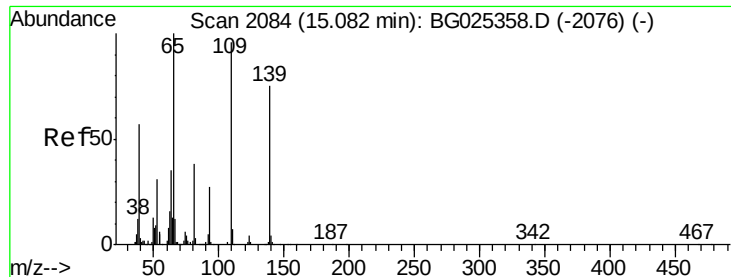
#54
Dibenzofuran
Concen: 4.70 ng
RT: 15.24 min Scan# 2110
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:168 Resp: 61149
Ion Ratio Lower Upper
168 100
139 36.6 35.3 52.9
169 12.4 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

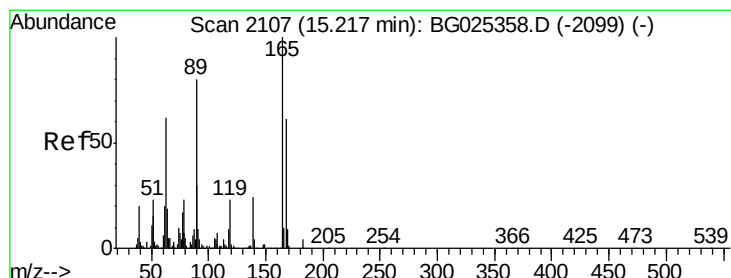
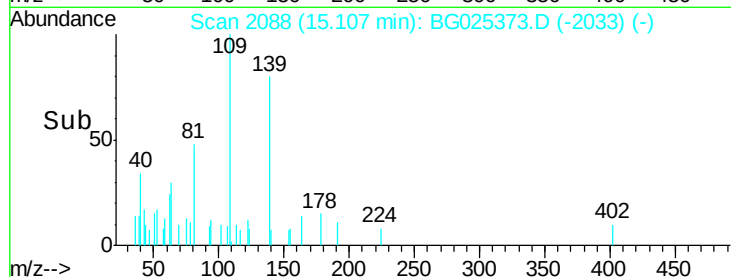
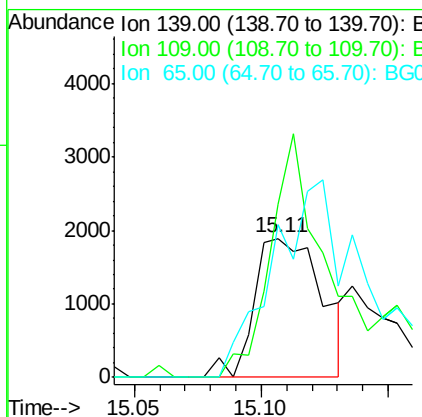
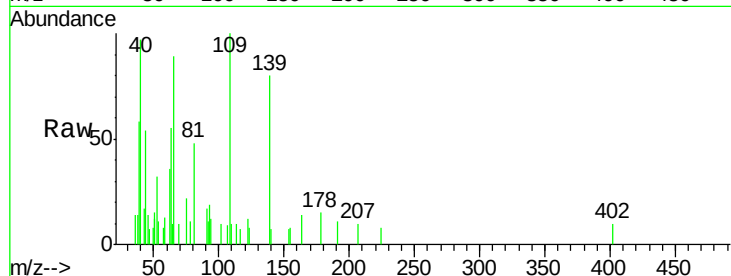




#55
4-Nitrophenol
Concen: 2.00 ng
RT: 15.11 min Scan# 2088
Delta R.T. 0.02 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

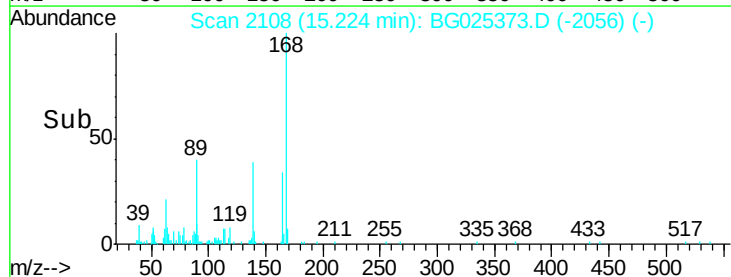
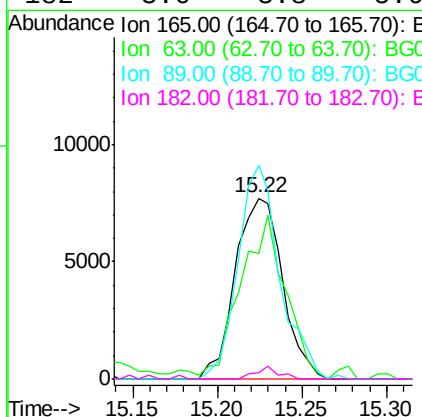
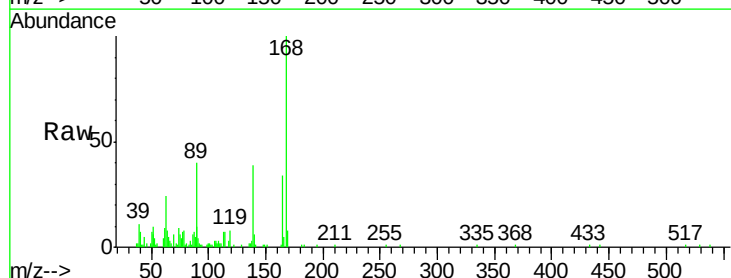
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

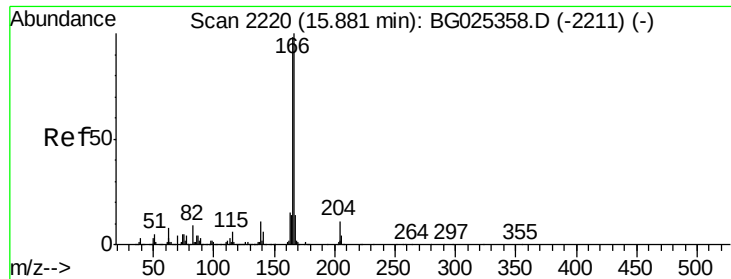
Tgt Ion:139 Resp: 3533
Ion Ratio Lower Upper
139 100
109 124.3 101.2 141.2
65 110.3 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 4.18 ng
RT: 15.22 min Scan# 2108
Delta R.T. 0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:165 Resp: 14976
Ion Ratio Lower Upper
165 100
63 69.5 44.0 66.0#
89 118.0 67.3 100.9#
182 3.6 3.8 5.6#





#57

Fluorene

Concen: 4.55 ng

RT: 15.88 min Scan# 2220

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

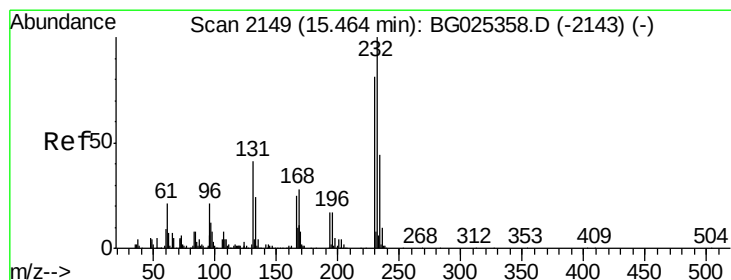
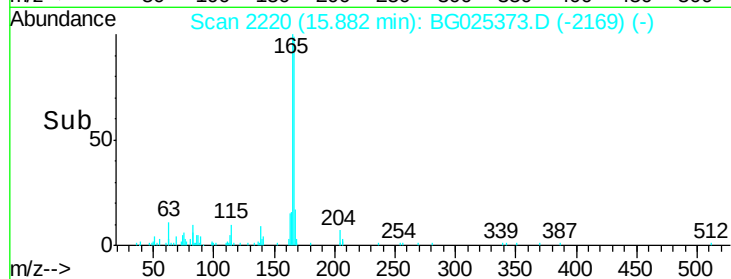
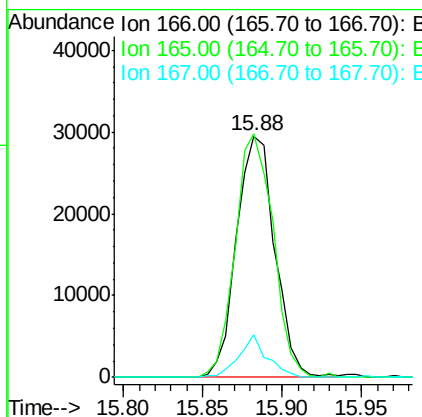
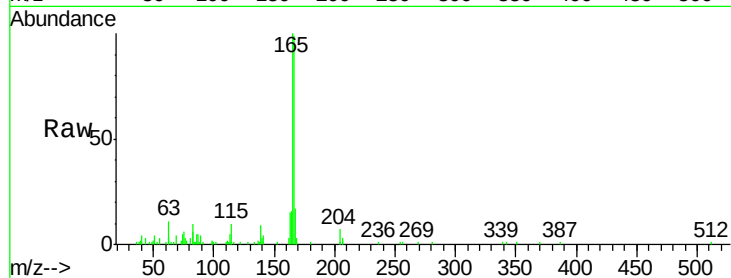
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	166	Resp:	49571
Ion Ratio	Lower	Upper	
166	100		
165	100.9	78.6	117.8
167	17.7	11.6	17.4#



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.63 ng

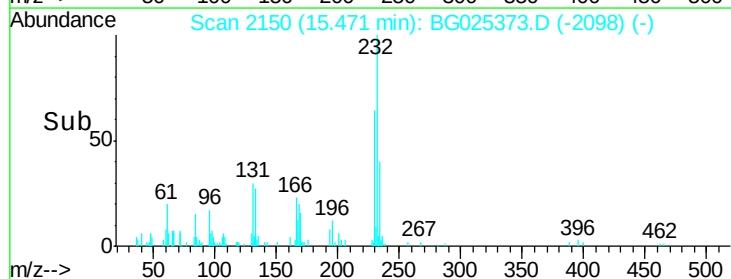
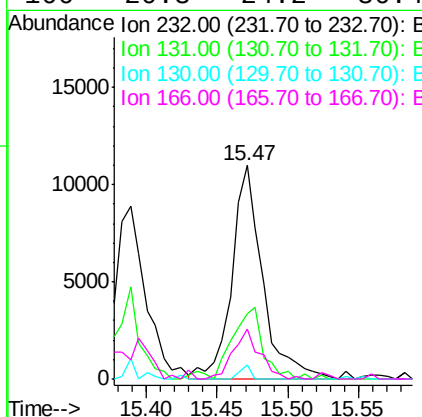
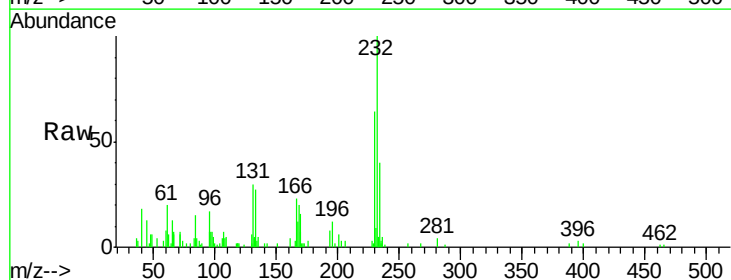
RT: 15.47 min Scan# 2150

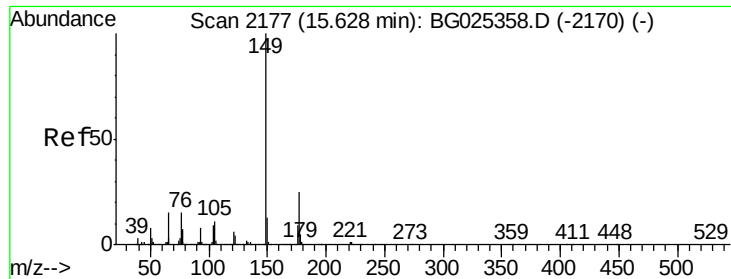
Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	232	Resp:	16661
Ion Ratio	Lower	Upper	
232	100		
131	35.4	34.9	52.3
130	2.1	2.3	3.5#
166	20.3	24.2	36.4#

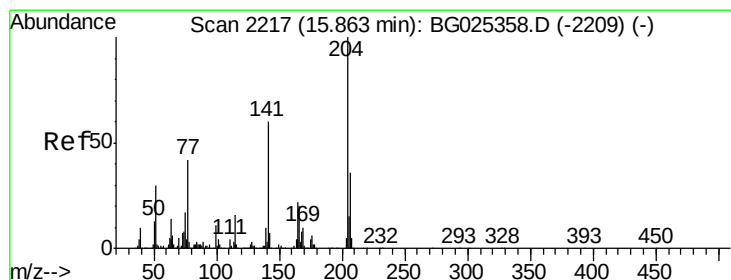
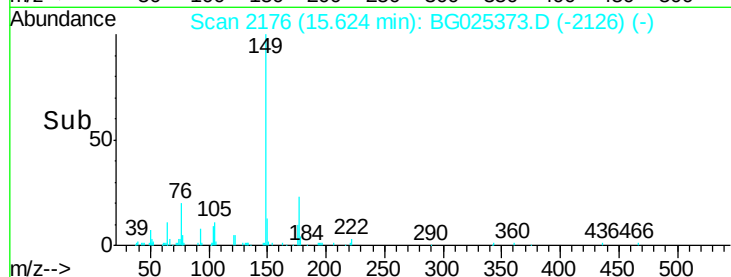
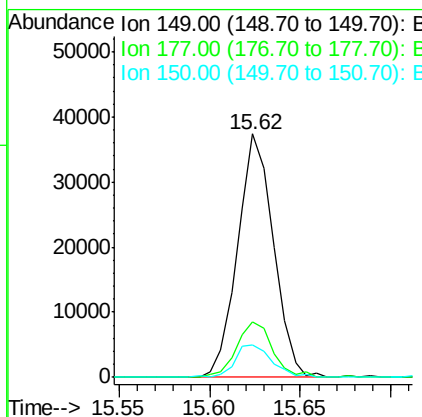
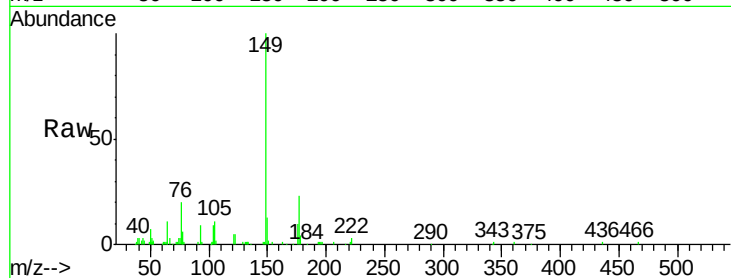




#59
Diethylphthalate
Concen: 4.35 ng
RT: 15.62 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

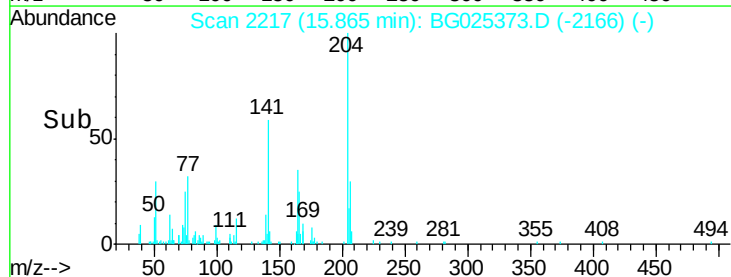
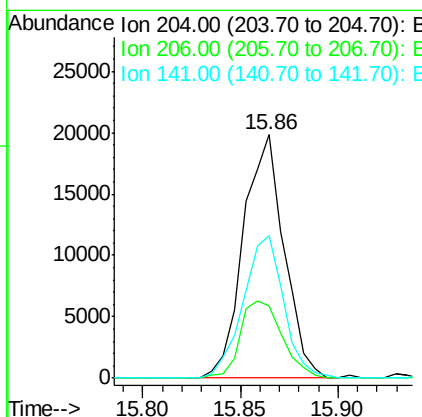
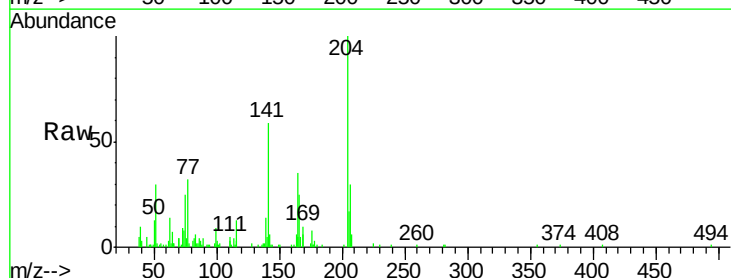
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

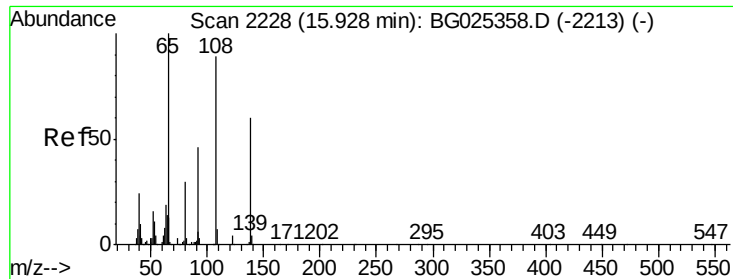
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	20.1	30.1
150	13.3	10.2	15.2



#60
4-Chlorophenyl-phenylether
Concen: 4.62 ng
RT: 15.86 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
204	100		
206	29.8	30.1	45.1#
141	58.8	50.6	76.0

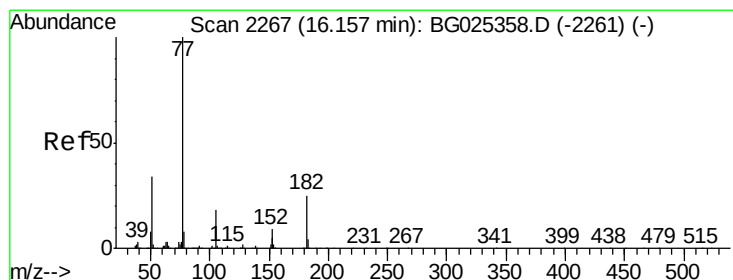
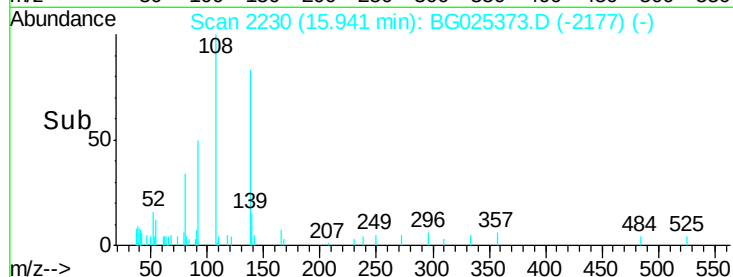
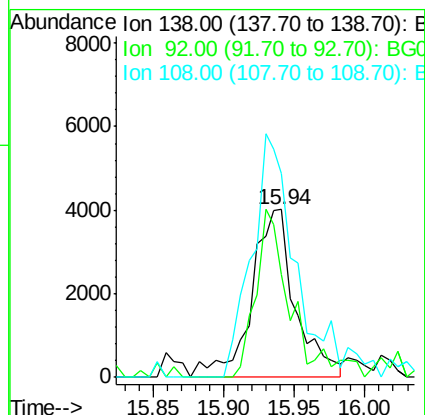
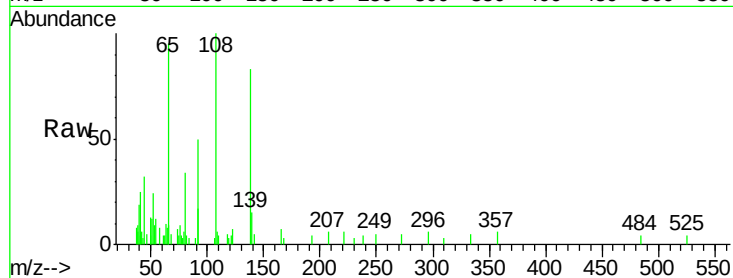




#61
4-Nitroaniline
Concen: 3.68 ng
RT: 15.94 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

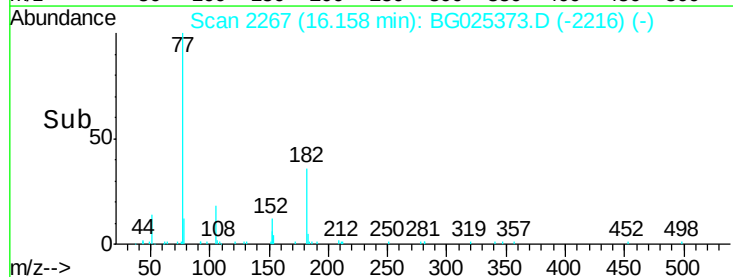
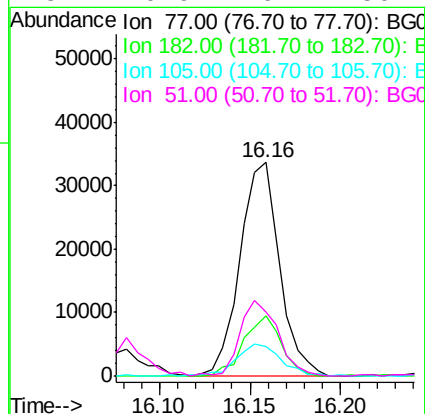
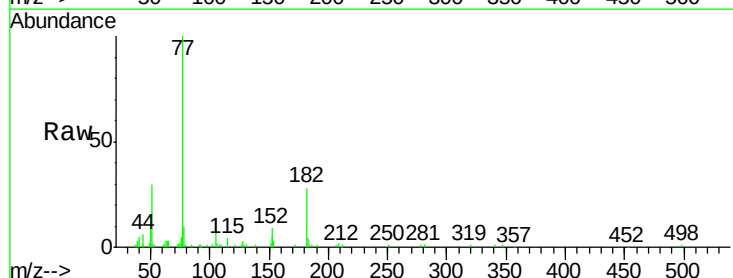
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

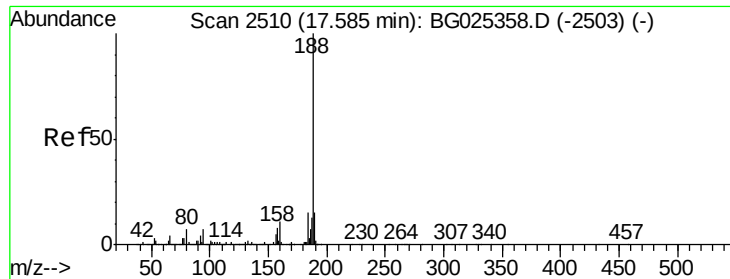
Tgt Ion: 138 Resp: 8748
Ion Ratio Lower Upper
138 100
92 60.9 44.2 84.2
108 121.2 104.8 144.8



#62
Azobenzene
Concen: 4.49 ng
RT: 16.16 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion: 77 Resp: 51085
Ion Ratio Lower Upper
77 100
182 28.1 4.7 44.7
105 13.8 0.0 36.3
51 29.9 16.4 56.4

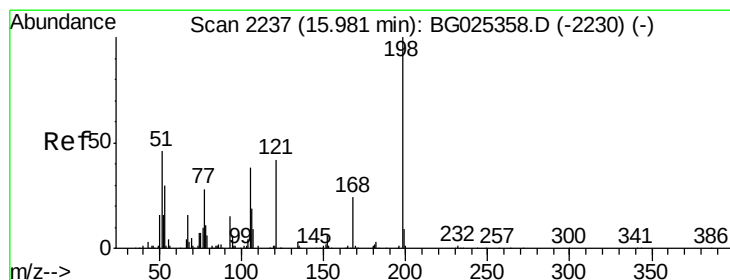
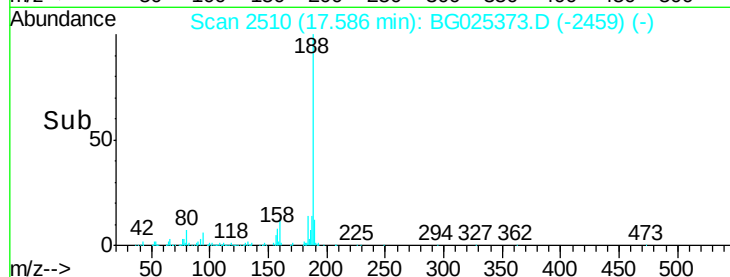
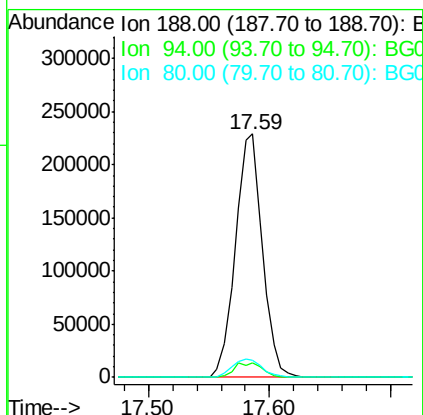
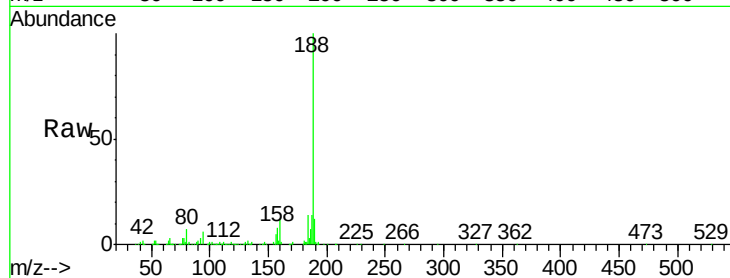




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.59 min Scan# 2510
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

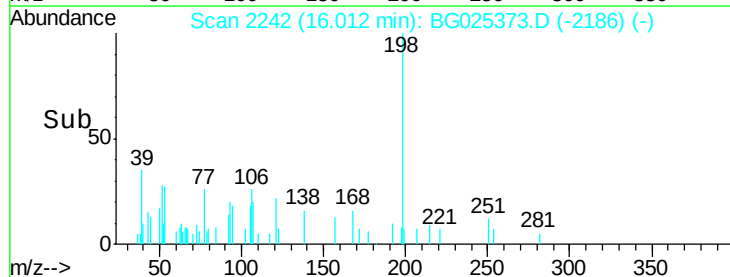
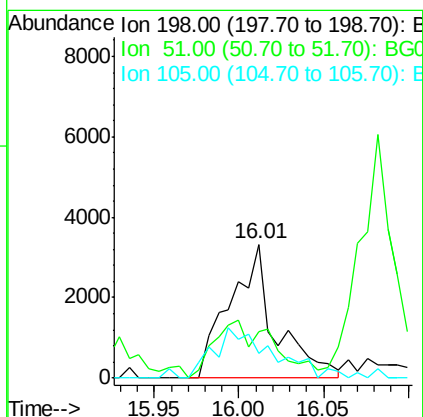
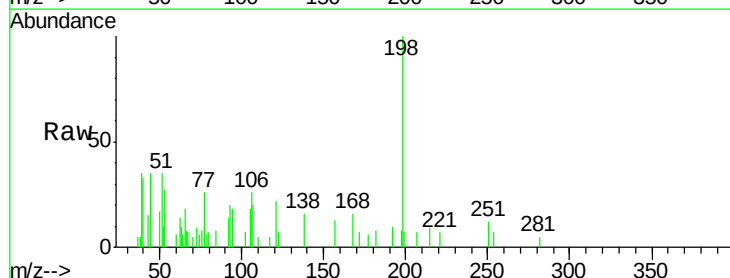
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

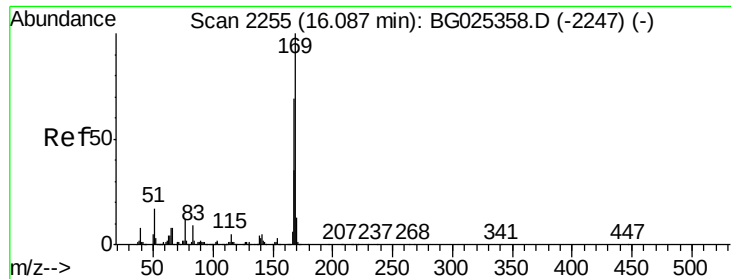
Tgt Ion:188 Resp: 355015
Ion Ratio Lower Upper
188 100
94 5.8 5.8 8.8#
80 6.9 7.5 11.3#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.56 ng
RT: 16.01 min Scan# 2242
Delta R.T. 0.03 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:198 Resp: 6285
Ion Ratio Lower Upper
198 100
51 34.6 22.6 62.6
105 18.4 14.4 54.4

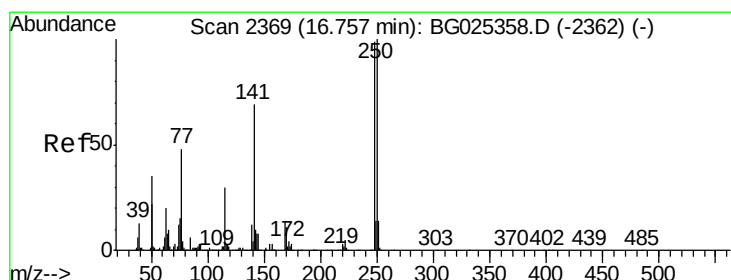
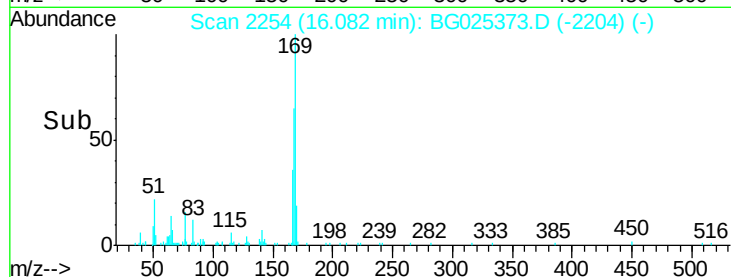
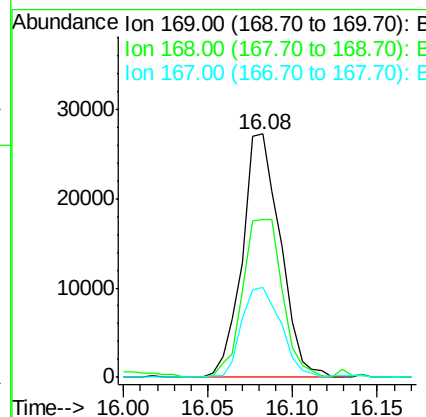
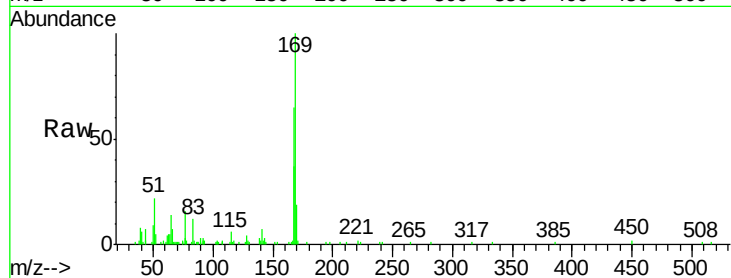




#65
n-Nitrosodiphenylamine
Concen: 4.45 ng
RT: 16.08 min Scan# 2254
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

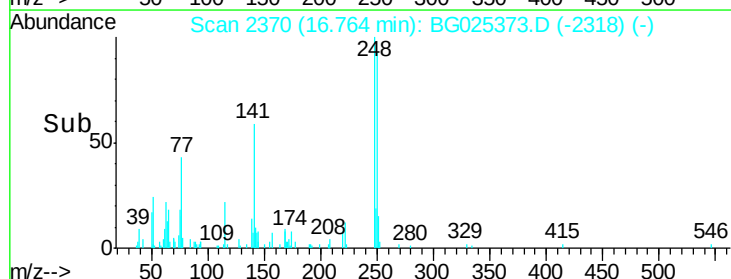
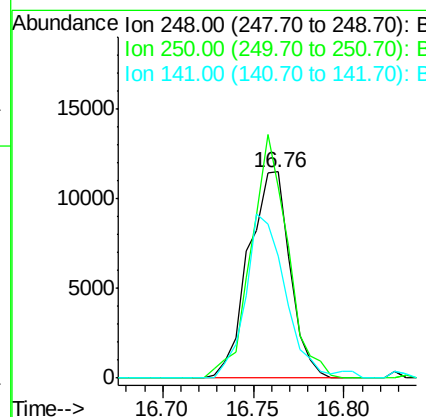
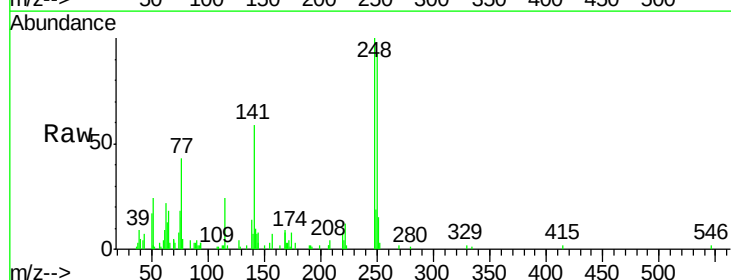
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

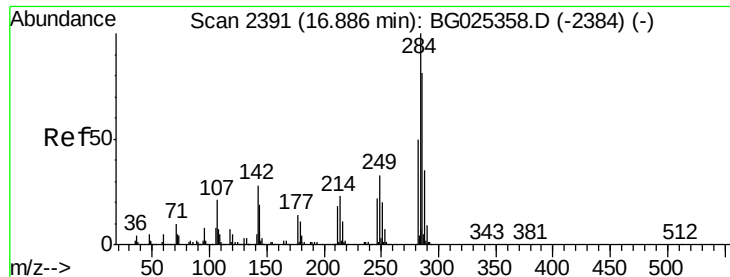
Tgt Ion:169 Resp: 42720
Ion Ratio Lower Upper
169 100
168 65.0 55.7 83.5
167 37.1 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 16.76 min Scan# 2370
Delta R.T. 0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion:248 Resp: 18321
Ion Ratio Lower Upper
248 100
250 92.6 75.0 112.6
141 59.5 55.2 82.8

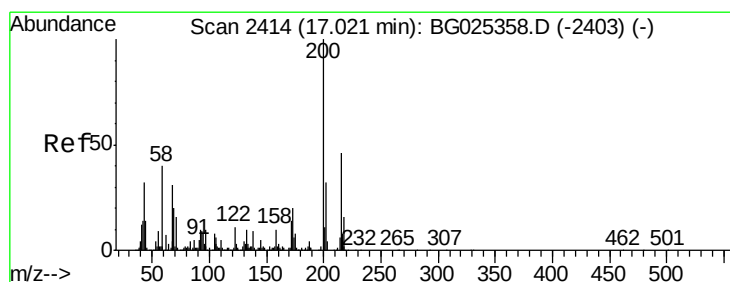
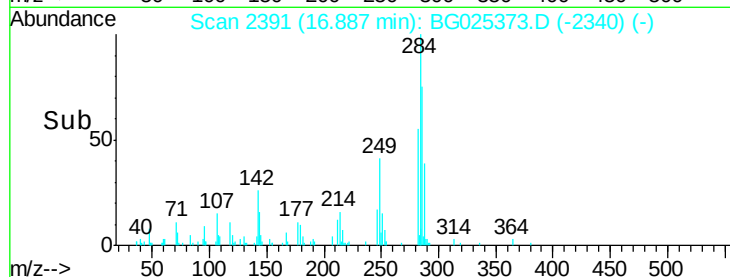
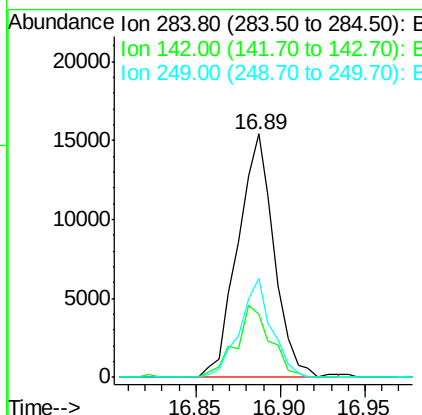
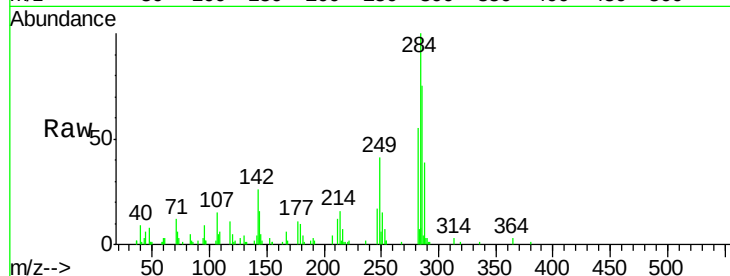




#67
Hexachlorobenzene
Concen: 4.59 ng
RT: 16.89 min Scan# 2391
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

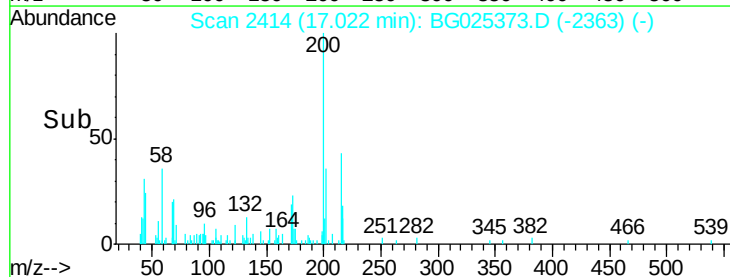
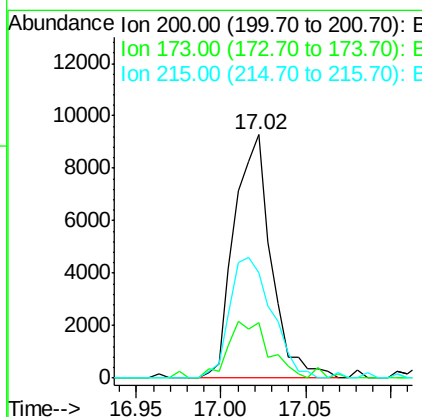
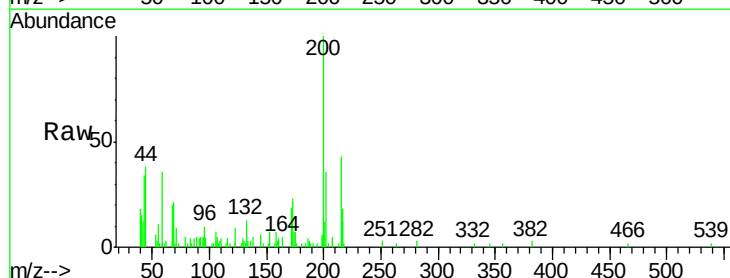
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

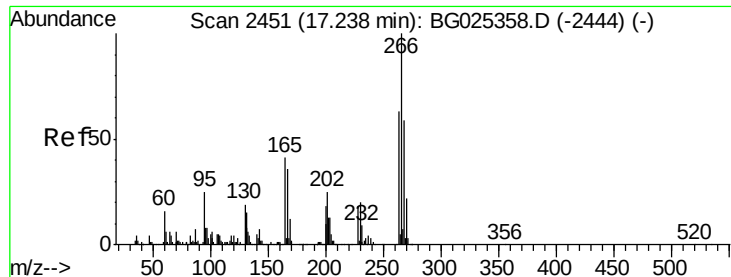
Tgt Ion	Ratio	Lower	Upper
284	100		
142	25.7	29.9	44.9#
249	40.6	29.2	43.8



#68
Atrazine
Concen: 3.37 ng
RT: 17.02 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.8	3.0	43.0
215	43.1	28.4	68.4





#69

Pentachlorophenol

Concen: 2.35 ng

RT: 17.25 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

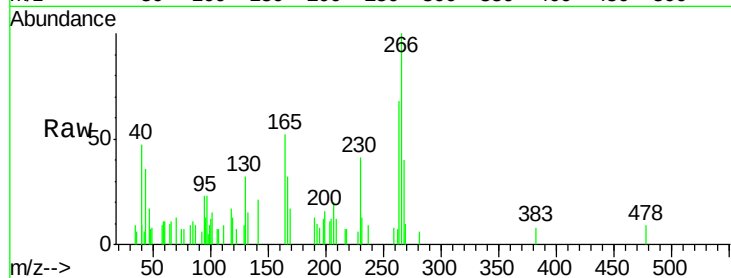
Tgt Ion:266 Resp: 6134

Ion Ratio Lower Upper

266 100

268 39.6 48.6 72.8#

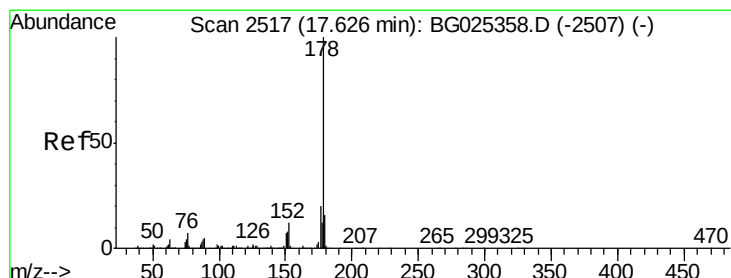
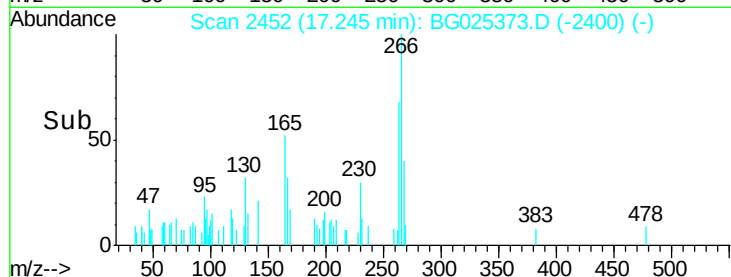
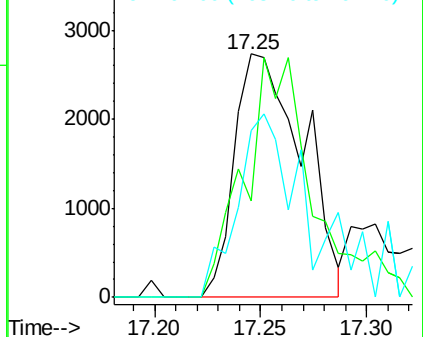
264 68.3 50.1 75.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 4.65 ng

RT: 17.63 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

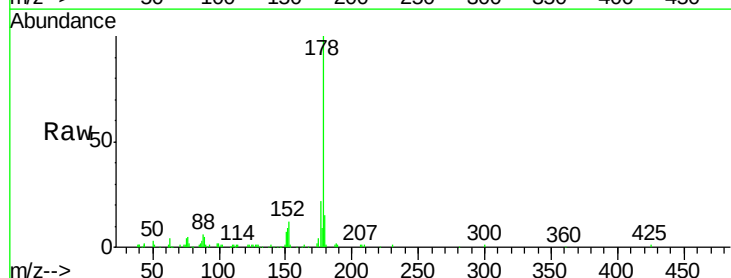
Tgt Ion:178 Resp: 85140

Ion Ratio Lower Upper

178 100

176 21.5 17.7 26.5

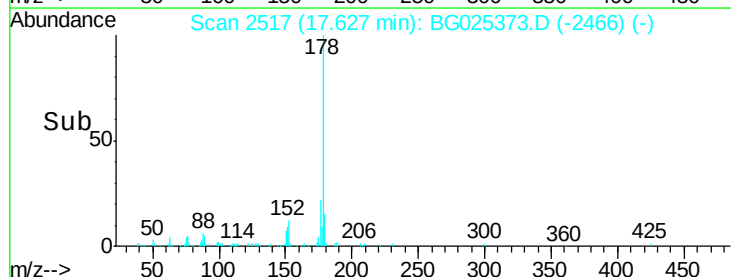
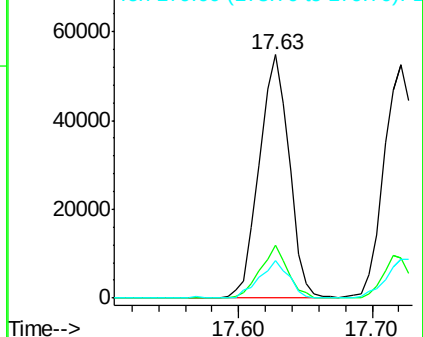
179 15.3 15.0 22.6

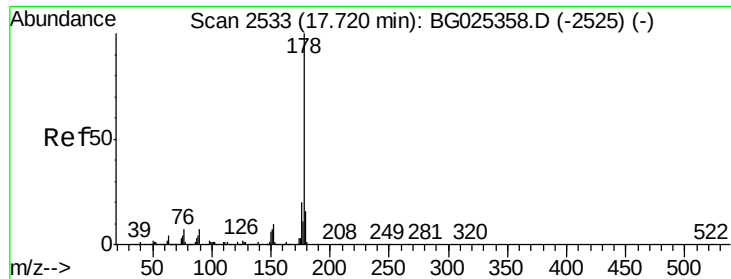


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.72 ng

RT: 17.72 min Scan# 2533

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

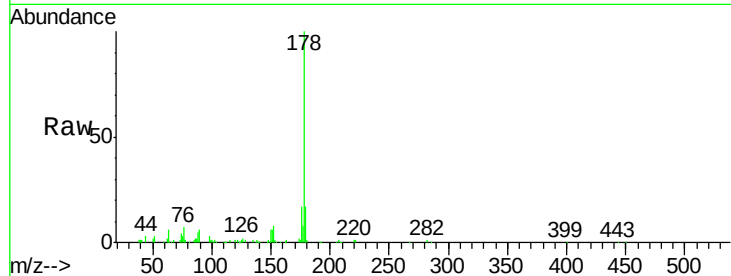
Tgt Ion:178 Resp: 87797

Ion Ratio Lower Upper

178 100

176 17.2 16.4 24.6

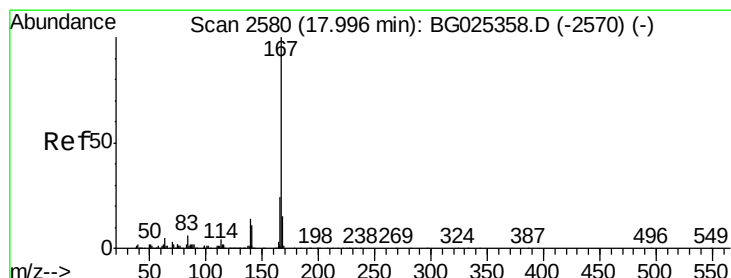
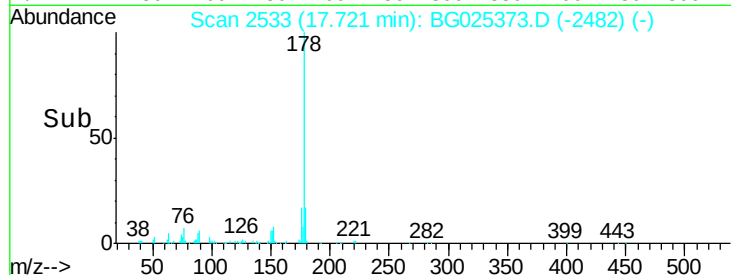
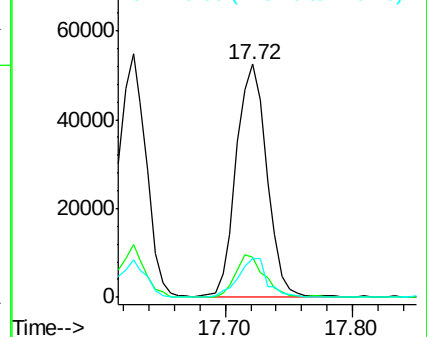
179 16.8 13.8 20.8



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: 4.52 ng

RT: 18.00 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

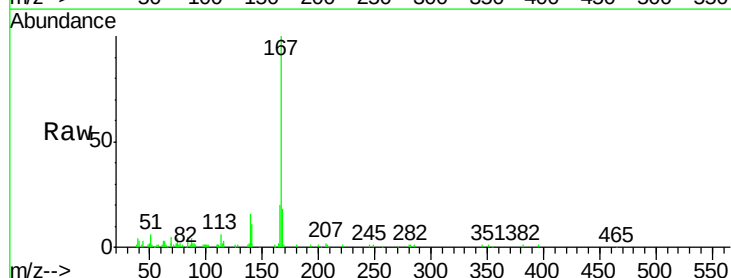
Tgt Ion:167 Resp: 75147

Ion Ratio Lower Upper

167 100

166 20.1 20.2 30.2#

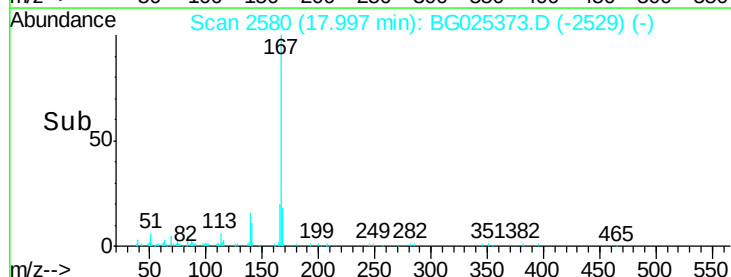
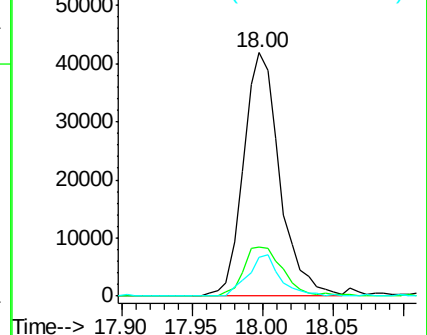
139 15.9 12.8 19.2

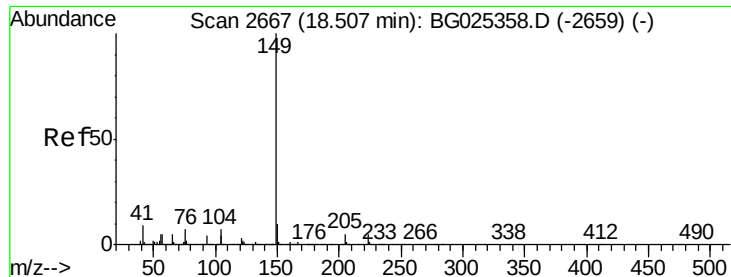


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 4.59 ng

RT: 18.50 min Scan# 2666

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

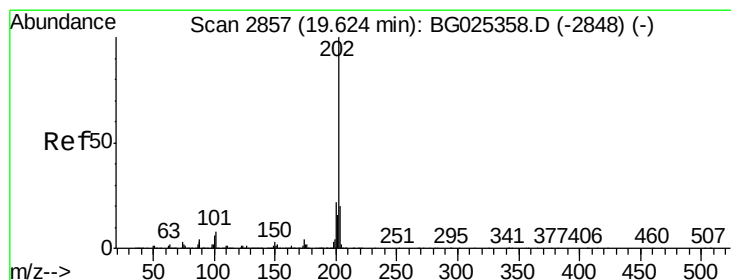
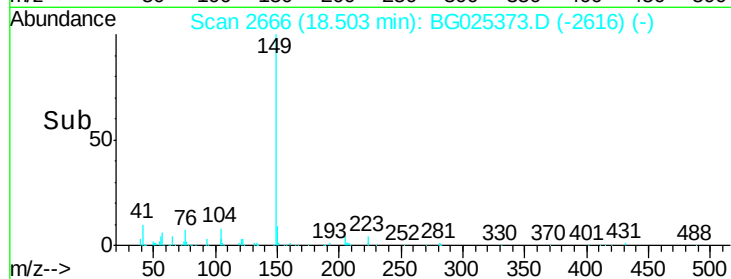
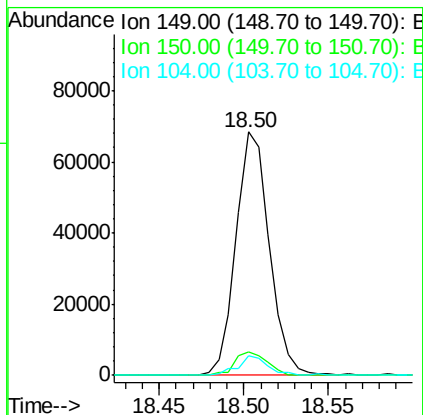
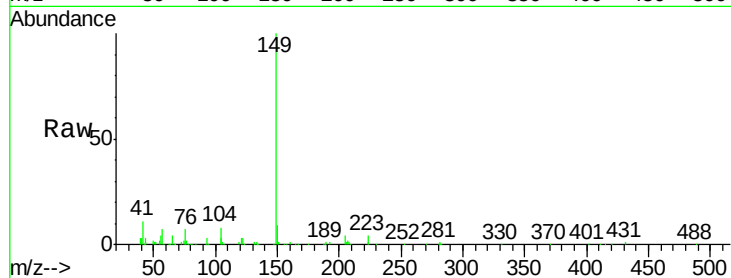
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	149	Resp:	93985
Ion Ratio		Lower	Upper
149	100		
150	9.4	9.1	13.7
104	8.0	6.7	10.1



#74

Fluoranthene

Concen: 5.00 ng

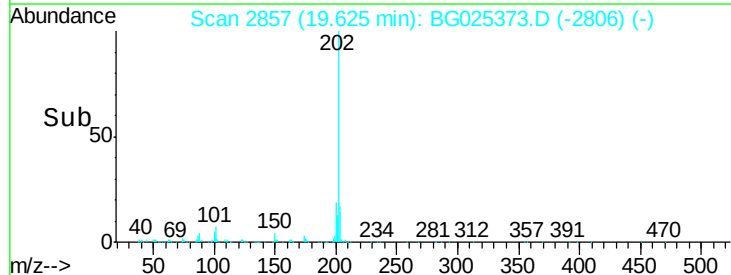
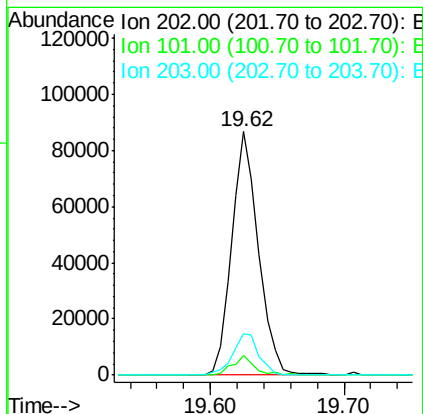
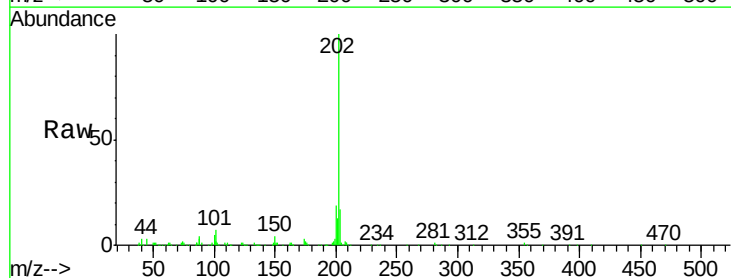
RT: 19.62 min Scan# 2857

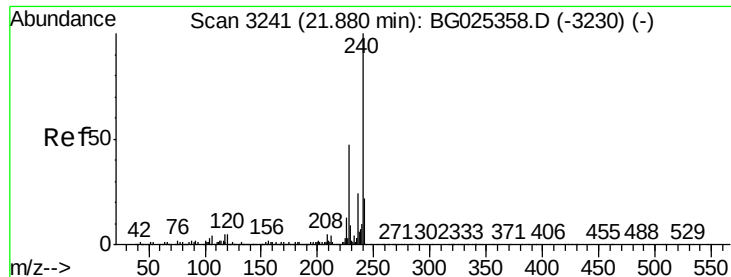
Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	202	Resp:	120934
Ion Ratio		Lower	Upper
202	100		
101	8.3	0.0	30.1
203	17.0	1.3	41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

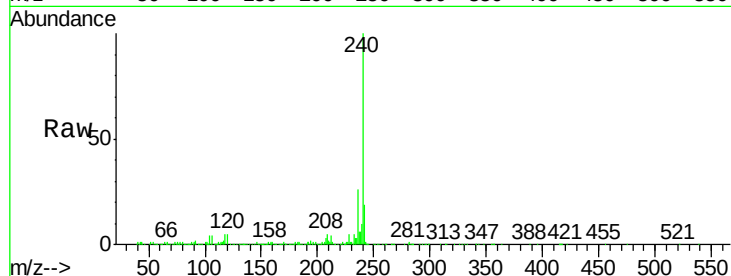
Tgt Ion:240 Resp: 547188

Ion Ratio Lower Upper

240 100

120 5.0 5.7 8.5#

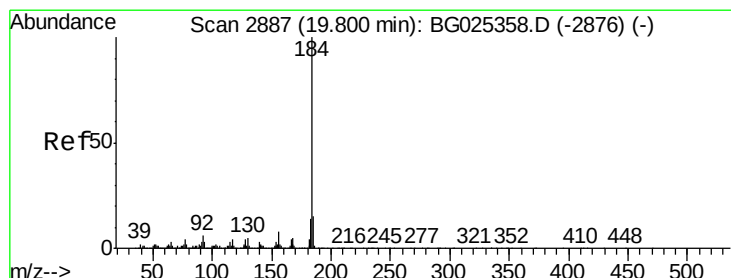
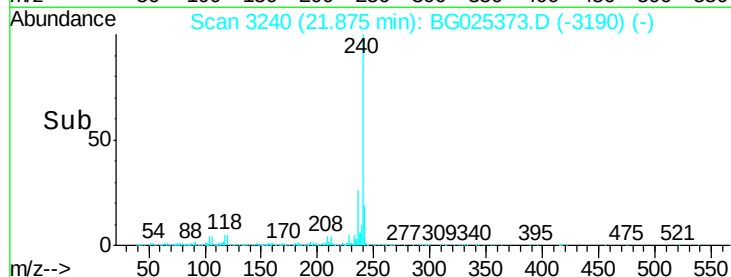
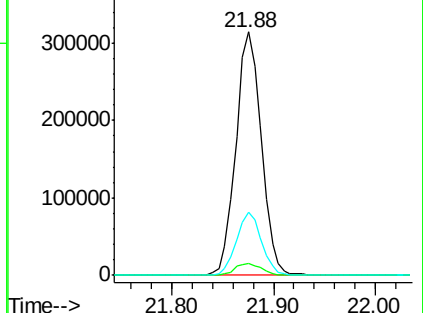
236 25.9 22.2 33.4



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: 0.99 ng

RT: 19.81 min Scan# 2889

Delta R.T. 0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

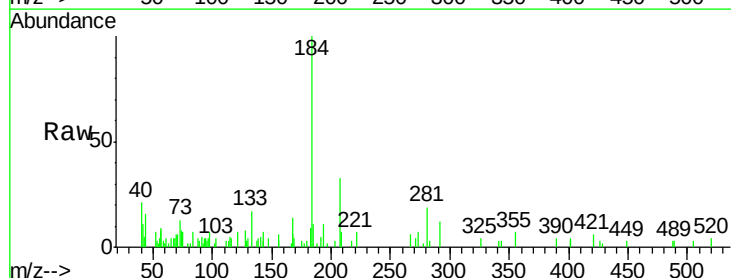
Tgt Ion:184 Resp: 13562

Ion Ratio Lower Upper

184 100

185 10.7 13.0 19.6#

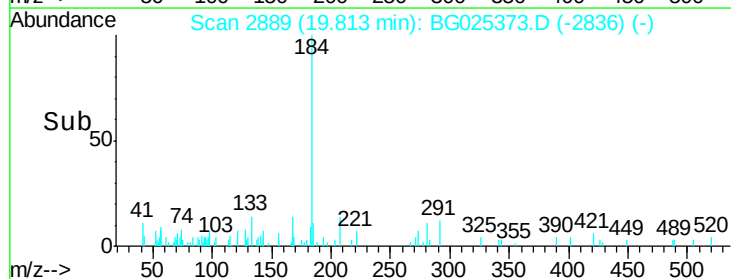
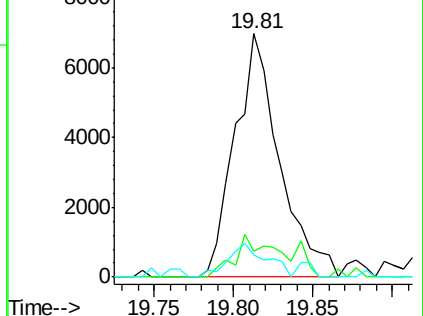
183 9.2 11.0 16.6#

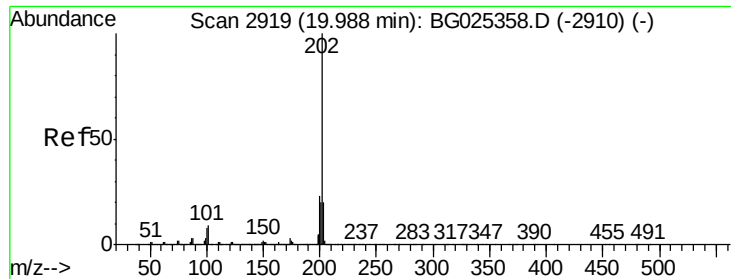


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.35 ng

RT: 19.99 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

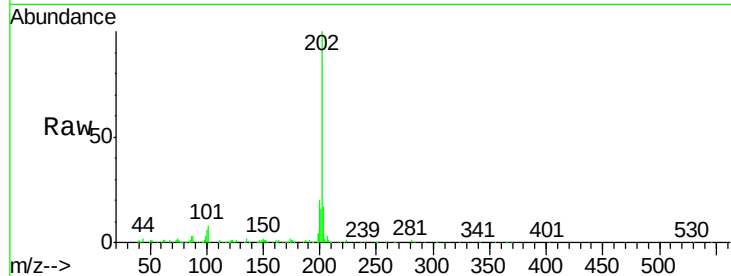
Tgt Ion:202 Resp: 124413

Ion Ratio Lower Upper

202 100

200 20.0 19.6 29.4

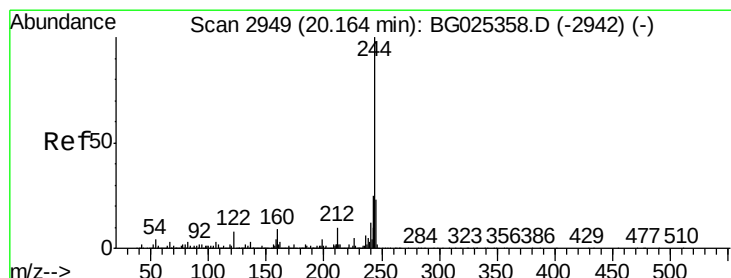
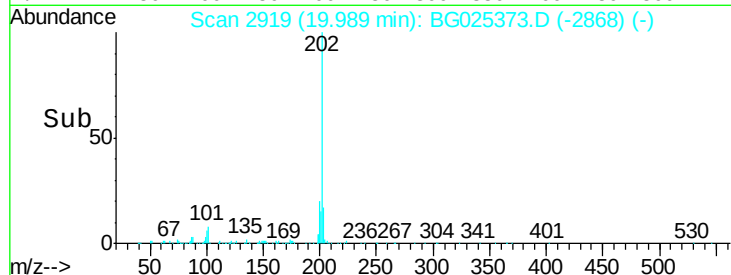
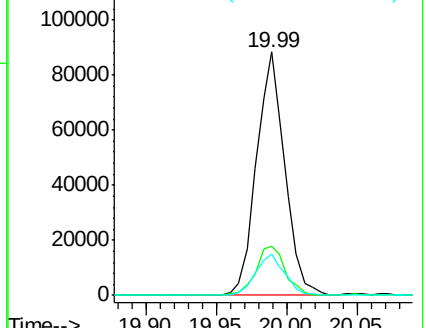
203 17.0 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.56 ng

RT: 20.17 min Scan# 2949

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

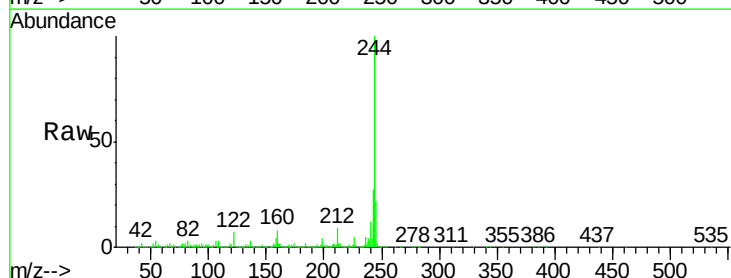
Tgt Ion:244 Resp: 1786430

Ion Ratio Lower Upper

244 100

212 9.1 10.0 15.0#

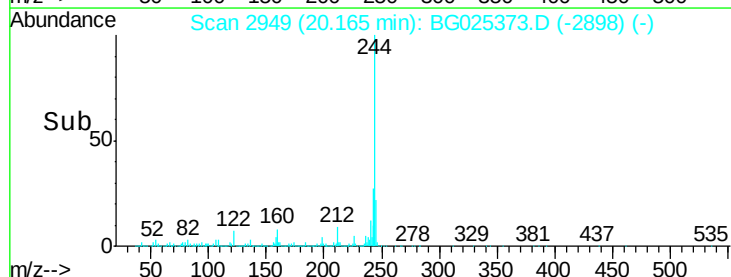
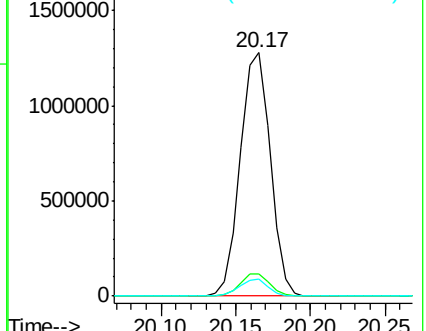
122 6.8 8.6 12.8#

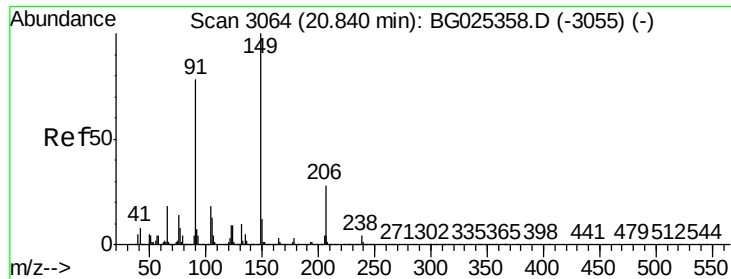


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

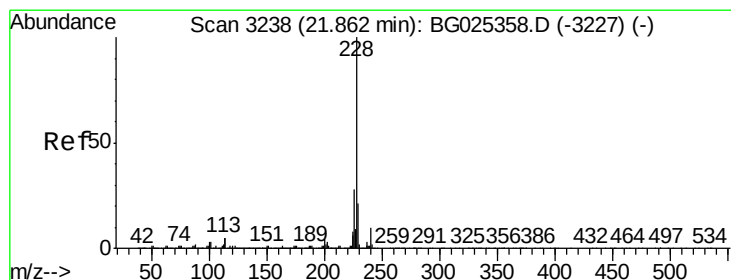
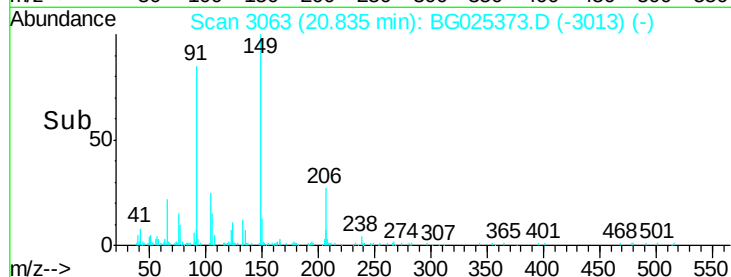
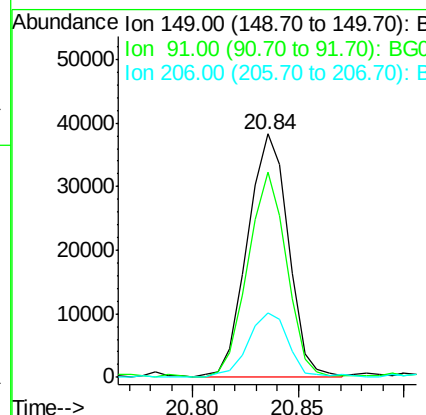
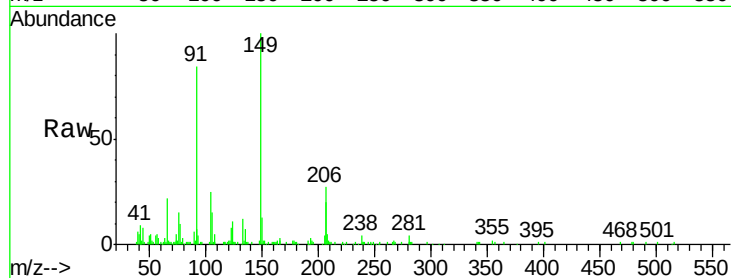




#79
Butylbenzylphthalate
Concen: 4.49 ng
RT: 20.84 min Scan# 3063
Delta R.T. -0.00 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

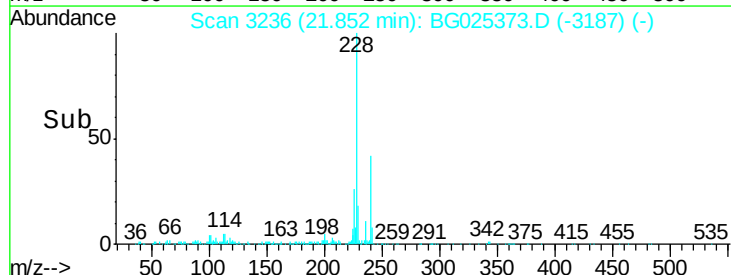
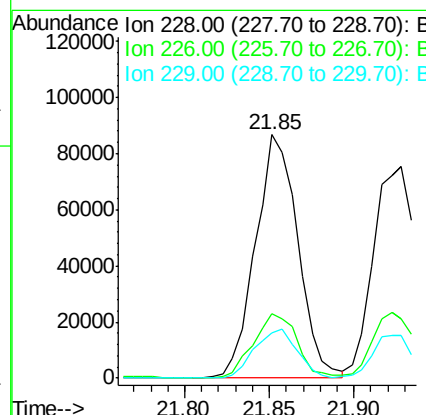
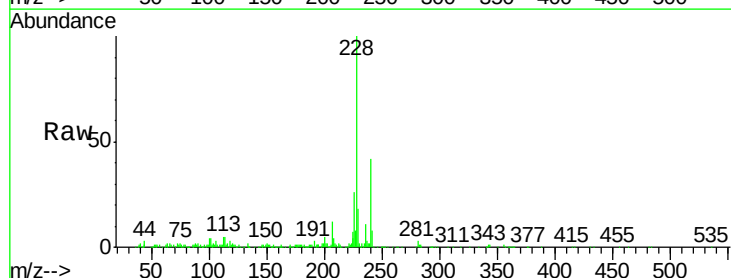
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

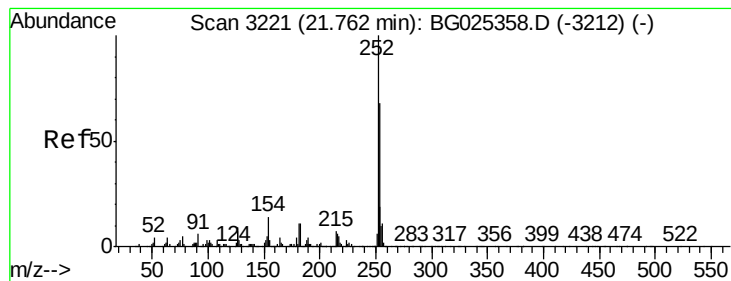
Tgt Ion	Ratio	Lower	Upper
149	100		
91	84.3	63.5	95.3
206	26.6	21.0	31.6



#80
Benzo(a)anthracene
Concen: 4.95 ng
RT: 21.85 min Scan# 3236
Delta R.T. -0.01 min
Lab File: BG025373.D
Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	24.9	37.3
229	18.3	18.2	27.2





#81

3,3'-Dichlorobenzidine

Concen: 3.66 ng

RT: 21.76 min Scan# 3221

Delta R.T. 0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

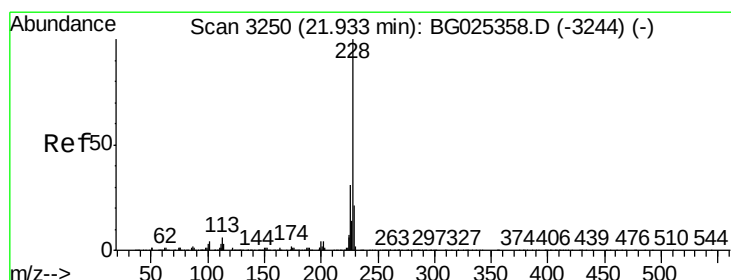
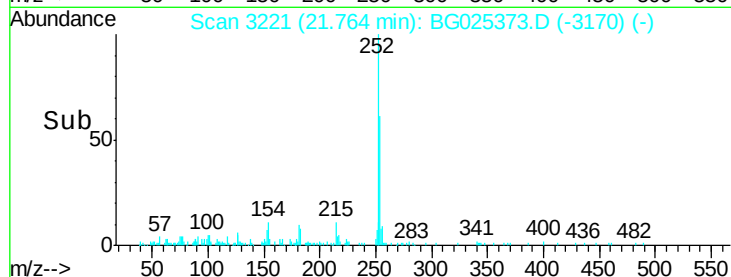
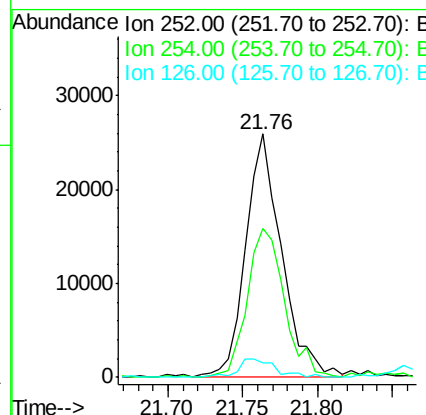
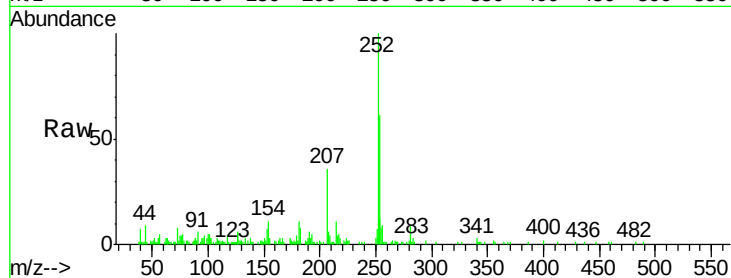
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	252	Resp:	43388
Ion Ratio	Lower	Upper	
252	100		
254	61.1	53.1	79.7
126	5.7	7.0	10.4#



#82

Chrysene

Concen: 4.71 ng

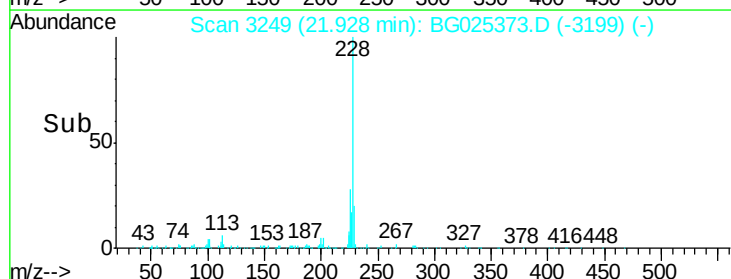
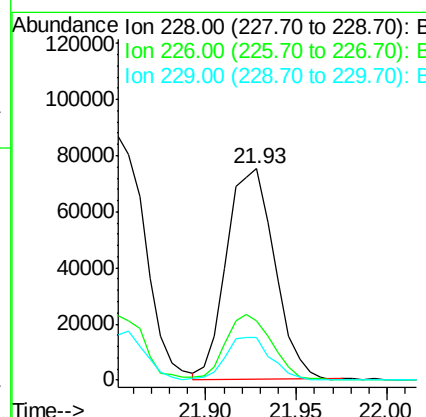
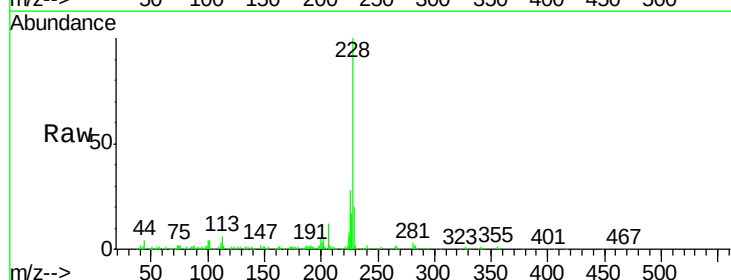
RT: 21.93 min Scan# 3249

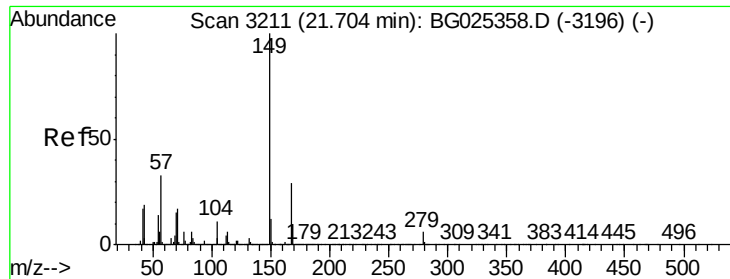
Delta R.T. -0.00 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	228	Resp:	137923
Ion Ratio	Lower	Upper	
228	100		
226	28.4	27.0	40.4
229	20.2	17.8	26.6

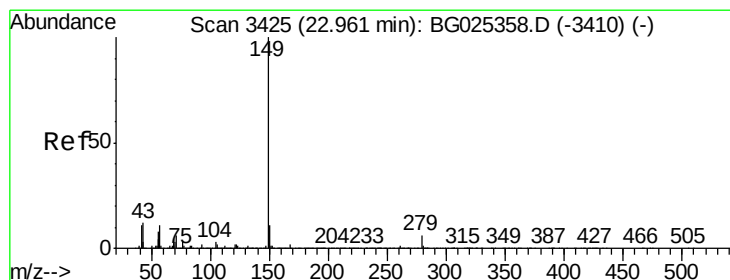
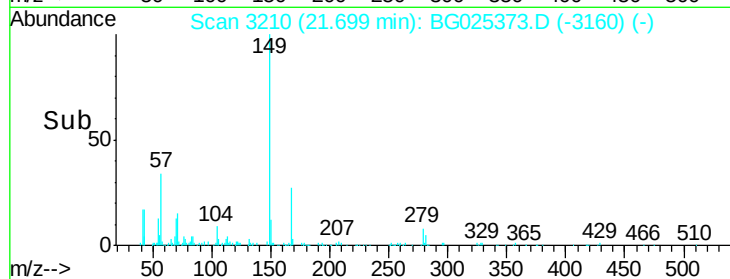
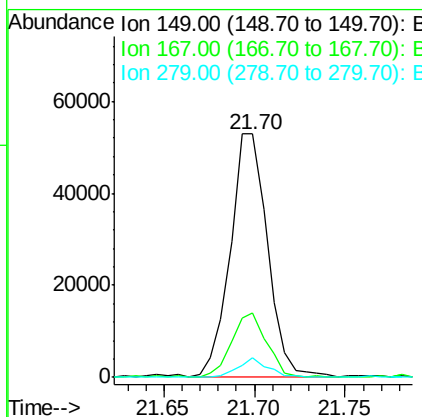
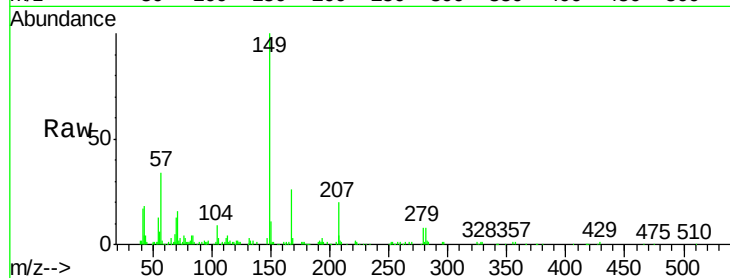




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.75 ng
 RT: 21.70 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

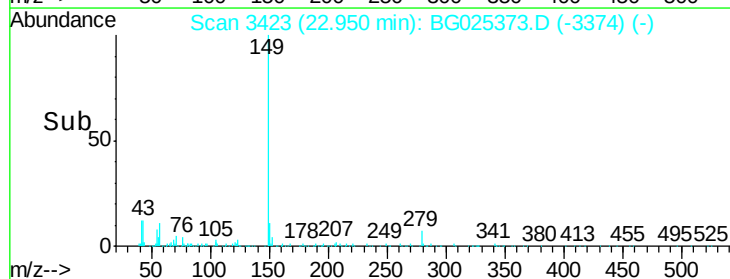
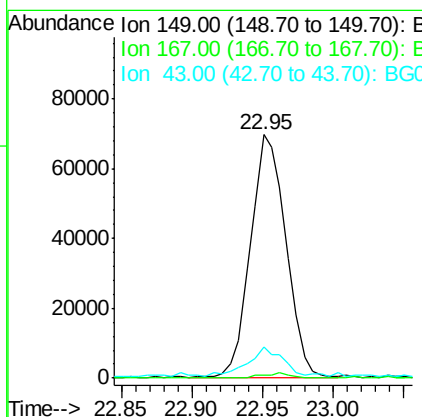
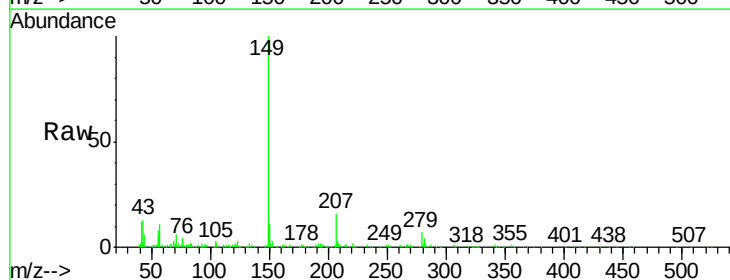
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

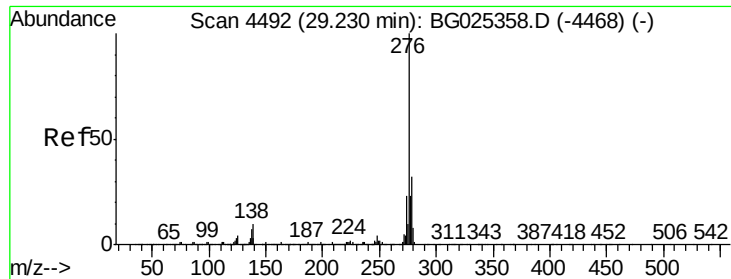
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	23.7	35.5
279	8.0	4.6	6.8#



#84
 Di-n-octyl phthalate
 Concen: 4.59 ng
 RT: 22.95 min Scan# 3423
 Delta R.T. -0.01 min
 Lab File: BG025373.D
 Acq: 22 Dec 2016 1:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.2
43	12.3	11.8	17.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.48 ng

RT: 29.21 min Scan# 4489

Delta R.T. -0.02 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

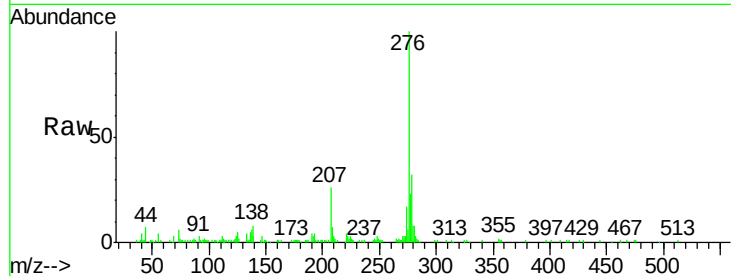
Tgt Ion:276 Resp: 166602

Ion Ratio Lower Upper

276 100

138 6.4 4.7 7.1

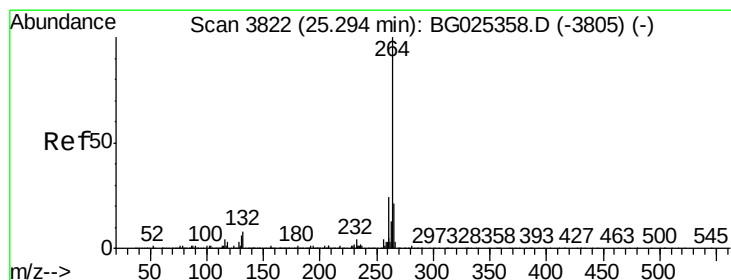
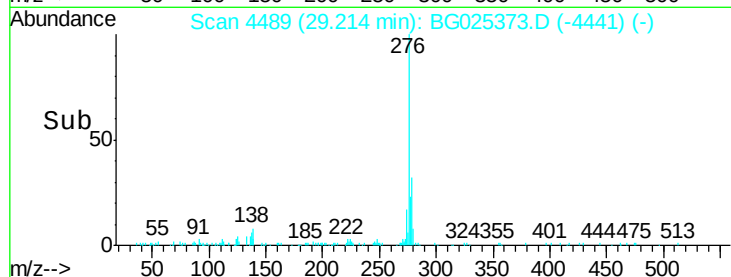
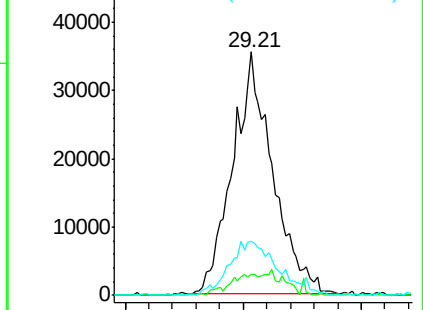
277 27.4 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.28 min Scan# 3820

Delta R.T. -0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

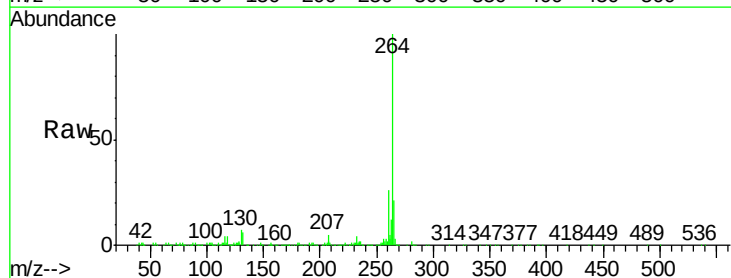
Tgt Ion:264 Resp: 569327

Ion Ratio Lower Upper

264 100

260 25.8 21.8 32.8

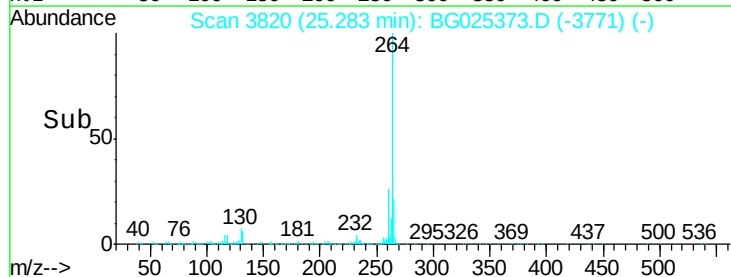
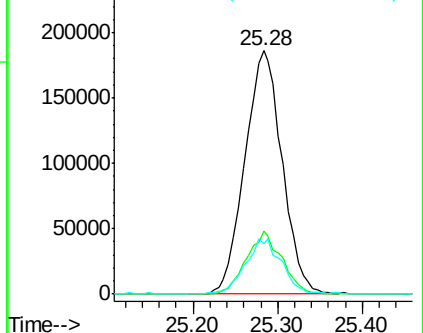
265 20.8 18.2 27.4

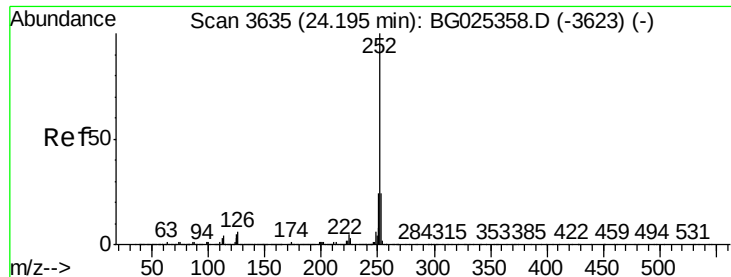


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.62 ng

RT: 24.26 min Scan# 3646

Delta R.T. 0.07 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

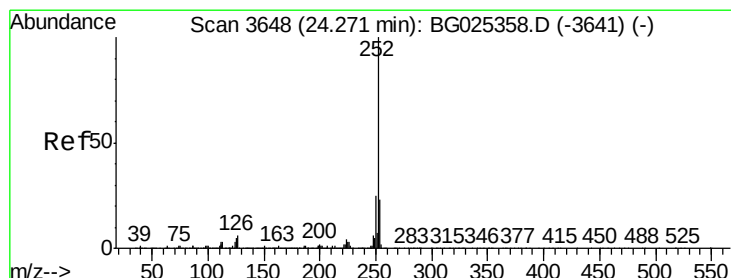
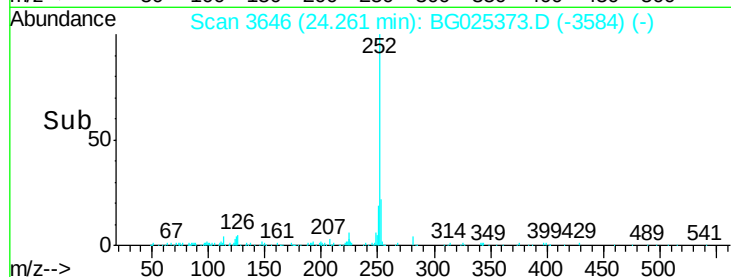
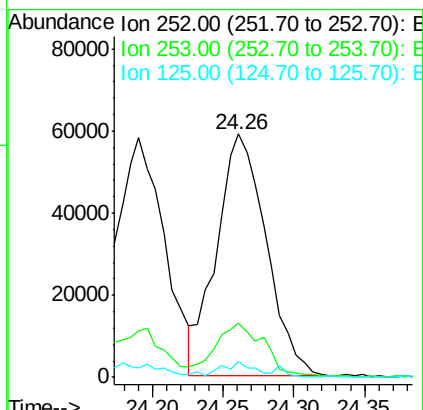
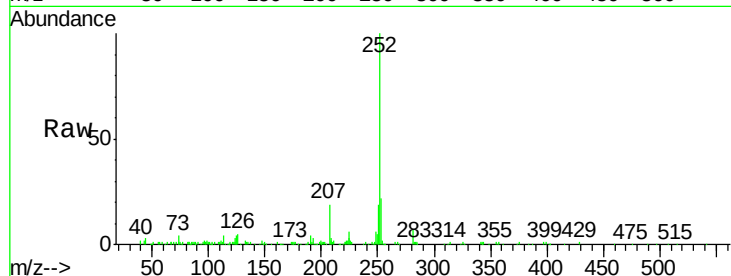
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	252	Resp:	143627
Ion Ratio		Lower	Upper
252	100		
253	22.4	18.7	28.1
125	6.4	5.3	7.9



#88

Benzo(k)fluoranthene

Concen: 4.79 ng

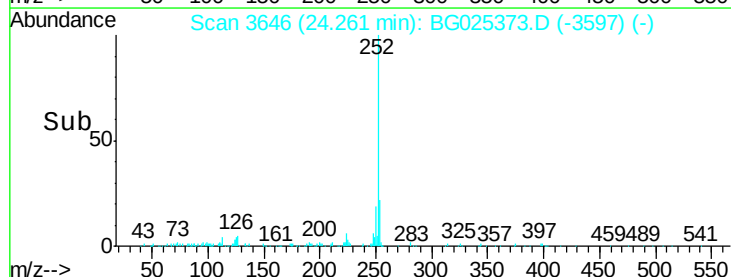
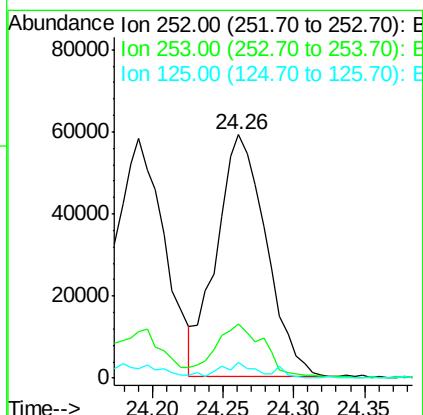
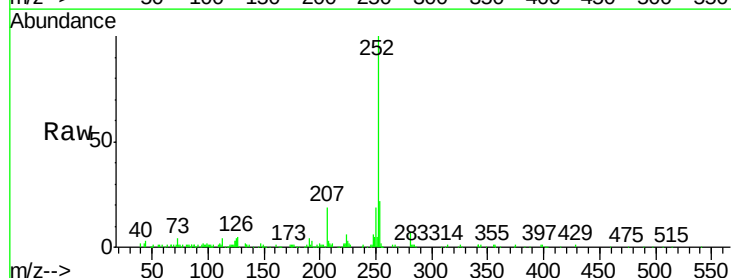
RT: 24.26 min Scan# 3646

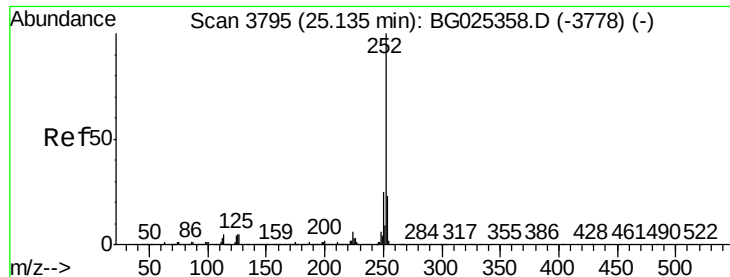
Delta R.T. -0.01 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	252	Resp:	143627
Ion Ratio		Lower	Upper
252	100		
253	22.4	20.2	30.2
125	6.4	5.1	7.7





#89

Benzo(a)pyrene

Concen: 4.61 ng

RT: 25.12 min Scan# 3792

Delta R.T. -0.02 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

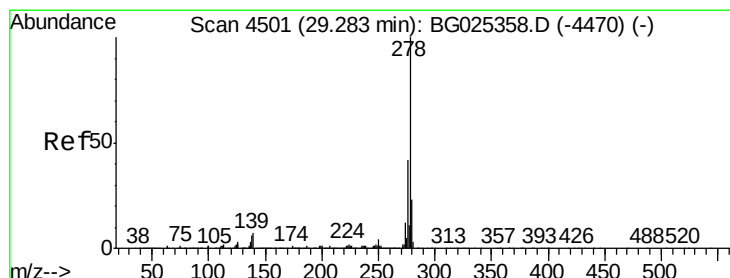
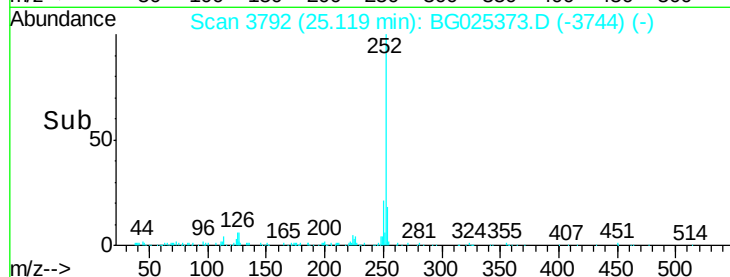
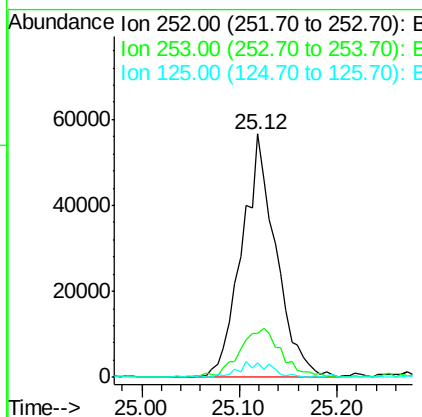
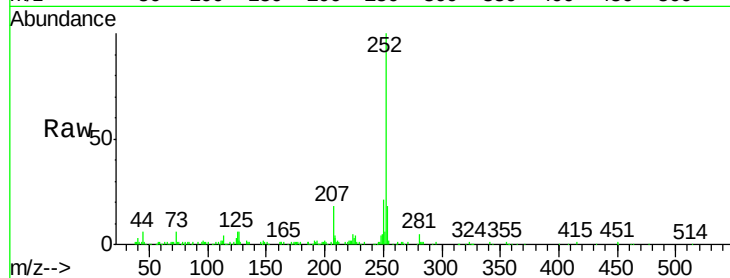
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	252	Resp:	138292
Ion Ratio		Lower	Upper
252	100		
253	17.8	19.2	28.8#
125	5.9	5.4	8.0



#90

Dibenzo(a,h)anthracene

Concen: 2.62 ng

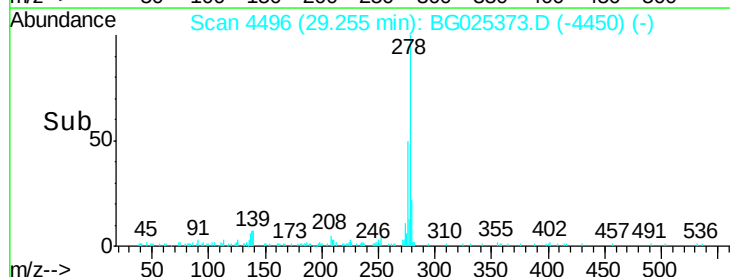
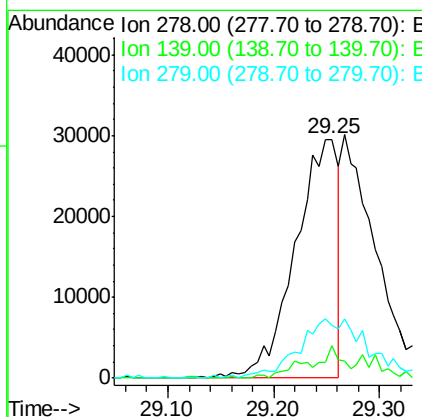
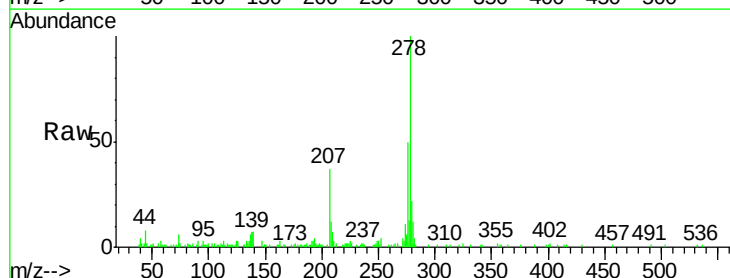
RT: 29.25 min Scan# 4496

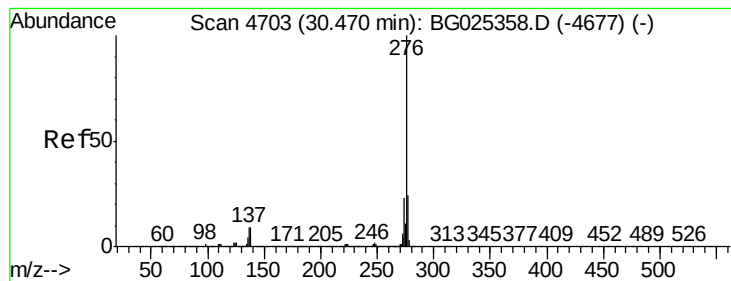
Delta R.T. -0.03 min

Lab File: BG025373.D

Acq: 22 Dec 2016 1:18

Tgt Ion:	278	Resp:	83292
Ion Ratio		Lower	Upper
278	100		
139	13.6	7.7	11.5#
279	22.0	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 4.48 ng

RT: 30.43 min Scan# 4696

Delta R.T. -0.04 min

Lab File: BG025373.D

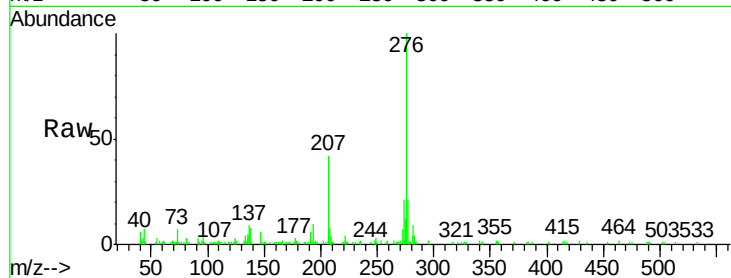
Acq: 22 Dec 2016 1:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017



Tgt Ion:	276	Resp:	141656
Ion	Ratio	Lower	Upper
276	100		
277	20.8	18.6	27.8
138	8.4	8.1	12.1

