

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041316\
 Data File : BG021638.D
 Acq On : 14 Apr 2016 2:08
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD-SOIL-1PPB
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations
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 4/14/2016 5:30:03 PM

Quant Time: Apr 14 11:28:58 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	27860	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	122646	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	78084	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	198995	20.00	ng	0.00
75) Chrysene-d12	21.83	240	237855	20.00	ng	0.00
86) Perylene-d12	25.15	264	231303	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.76	112	238714	142.69	ng	0.00
7) Phenol-d6	7.36	99	342082	136.89	ng	0.00
23) Nitrobenzene-d5	9.38	82	204014	85.50	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	123047	146.22	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	469090	88.02	ng	0.00
78) Terphenyl-d14	20.15	244	829959	87.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.64	88	645	0.87	ng	# 90
3) Pyridine	4.05	79	1557	0.70	ng	88
4) n-Nitrosodimethylamine	3.96	42	914	0.83	ng	# 65
6) Aniline	7.54	93	2521	0.76	ng	95
8) 2-Chlorophenol	7.78	128	1742	0.87	ng	96
9) Benzaldehyde	7.35	77	2181	1.51	ng	# 71
10) Phenol	7.39	94	2213	0.82	ng	97
11) bis(2-Chloroethyl)ether	7.63	93	1513	0.70	ng	# 78
12) 1,3-Dichlorobenzene	8.10	146	1534	0.68	ng	98
13) 1,4-Dichlorobenzene	8.25	146	1654	0.73	ng	# 78
14) 1,2-Dichlorobenzene	8.57	146	1641	0.75	ng	88
15) Benzyl Alcohol	8.45	79	1543	0.81	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.75	45	3619	0.79	ng	93
17) 2-Methylphenol	8.65	107	1419	0.76	ng	# 75
18) Hexachloroethane	9.31	117	549	0.66	ng	87
19) n-Nitroso-di-n-propylamine	9.01	70	1149	0.59	ng	# 85
20) 3+4-Methylphenols	8.97	107	1762	0.69	ng	86
22) Acetophenone	9.04	105	2864	0.84	ng	# 86
24) Nitrobenzene	9.42	77	1970	0.77	ng	# 84
25) Isophorone	9.95	82	3671	0.70	ng	# 86
26) 2-Nitrophenol	10.14	139	453	0.46	ng	# 77
27) 2,4-Dimethylphenol	10.18	122	1601	0.72	ng	90
28) bis(2-Chloroethoxy)methane	10.42	93	2306	0.83	ng	# 85
29) 2,4-Dichlorophenol	10.67	162	1378	0.73	ng	89
30) 1,2,4-Trichlorobenzene	10.89	180	1522	0.75	ng	91
31) Naphthalene	11.09	128	5241	0.80	ng	# 91
33) 4-Chloroaniline	11.19	127	2317	0.82	ng	# 75
34) Hexachlorobutadiene	11.37	225	993	0.76	ng	# 82
35) Caprolactam	11.94	113	544	0.63	ng	# 48
36) 4-Chloro-3-methylphenol	12.28	107	1697	0.71	ng	# 92
37) 2-Methylnaphthalene	12.67	142	3648	0.81	ng	86
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	1663	0.68	ng	# 93
40) Hexachlorocyclopentadiene	13.01	237	959	0.71	ng	77
42) 2,4,6-Trichlorophenol	13.26	196	934m	0.60	ng	

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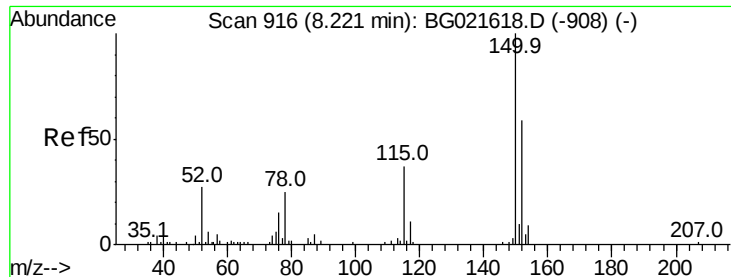
Manual Integrations
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 4/14/2016 5:30:03 PM

Quant Time: Apr 14 11:28:58 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	13.33	196	993	0.59	nq	# 91
45) 1,1'-Biphenyl	13.66	154	5272	0.80	nq	94
46) 2-Chloronaphthalene	13.71	162	3980	0.82	nq	# 90
47) 2-Nitroaniline	13.89	65	1263	0.76	nq	# 58
48) Acenaphthylene	14.55	152	6072	0.76	nq	# 91
49) Dimethylphthalate	14.26	163	5028	0.74	nq	# 95
50) 2,6-Dinitrotoluene	14.38	165	912	0.71	nq	95
51) Acenaphthene	14.89	154	4025	0.78	nq	# 89
52) 3-Nitroaniline	14.71	138	872	0.61	nq	# 76
54) Dibenzofuran	15.22	168	6470	0.92	nq	99
55) 4-Nitrophenol	15.00	139	519	0.42	nq	83
56) 2,4-Dinitrotoluene	15.16	165	1134	0.65	nq	# 97
57) Fluorene	15.86	166	5440	0.87	nq	92
58) 2,3,4,6-Tetrachlorophenol	15.44	232	865	0.62	nq	# 87
59) Diethylphthalate	15.62	149	5528	0.78	nq	# 95
60) 4-Chlorophenyl-phenylether	15.85	204	2603	0.84	nq	94
61) 4-Nitroaniline	15.86	138	983	0.63	nq	# 67
62) Azobenzene	16.14	77	5368	0.89	nq	90
64) 4,6-Dinitro-2-methylphenol	15.92	198	253	5.67	nq	# 42
65) n-Nitrosodiphenylamine	16.06	169	4323	0.72	nq	93
66) 4-Bromophenyl-phenylether	16.74	248	1641	0.77	nq	89
67) Hexachlorobenzene	16.86	284	1631	0.72	nq	94
68) Atrazine	17.00	200	1638	0.69	nq	86
69) Pentachlorophenol	17.21	266	703	0.55	nq	# 16
70) Phenanthrene	17.60	178	9422	0.86	nq	95
71) Anthracene	17.69	178	9215	0.83	nq	96
72) Carbazole	17.95	167	8605	0.83	nq	99
73) Di-n-butylphthalate	18.50	149	10304	0.78	nq	# 98
74) Fluoranthene	19.59	202	10997	0.84	nq	94
76) Benzidine	19.76	184	6347	0.86	nq	98
77) Pyrene	19.95	202	11841	0.86	nq	93
79) Butylbenzylphthalate	20.82	149	4395	0.69	nq	93
80) Benzo(a)anthracene	21.81	228	11579	0.85	nq	95
81) 3,3'-Dichlorobenzidine	21.71	252	2798	0.26	nq	# 96
82) Chrysene	21.87	228	11268	0.86	nq	95
83) Bis(2-ethylhexyl)phthalate	21.70	149	6756	0.73	nq	99
84) Di-n-octyl phthalate	22.96	149	10556	0.68	nq	# 73
85) Indeno(1,2,3-cd)pyrene	28.94	276	12209m	0.78	nq	
87) Benzo(b)fluoranthene	24.09	252	10532	0.78	nq	99
88) Benzo(k)fluoranthene	24.16	252	11206	0.85	nq	97
89) Benzo(a)pyrene	24.99	252	10503	0.81	nq	97
90) Dibenzo(a,h)anthracene	29.02	278	9646	0.74	nq	# 88
91) Benzo(g,h,i)perylene	30.15	276	9937m	0.78	nq	

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:152 Resp: 27860

Ion Ratio Lower Upper

152 100

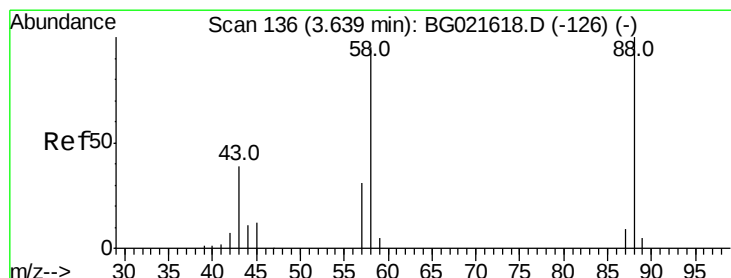
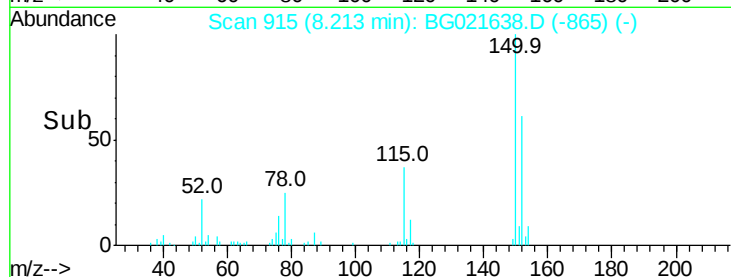
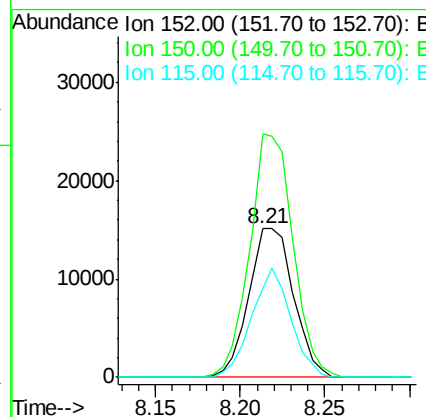
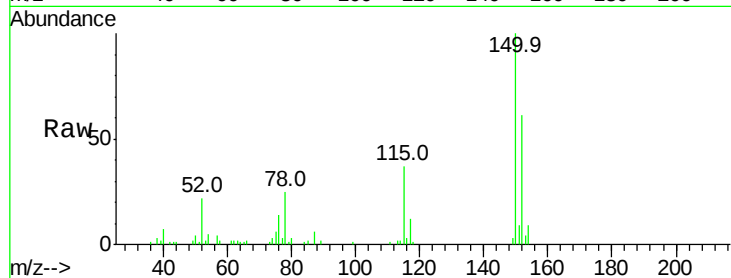
150 163.7 130.1 195.1

115 59.9 62.2 93.2#

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#2

1,4-Dioxane

Concen: 0.87 ng

RT: 3.64 min Scan# 136

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

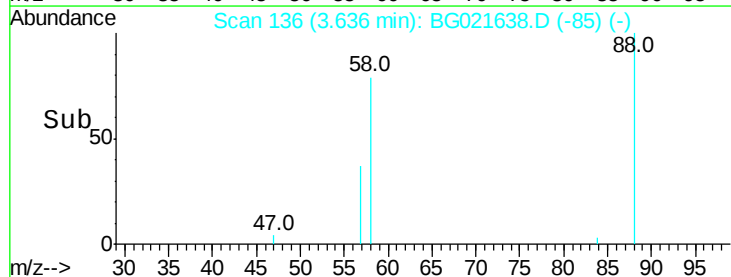
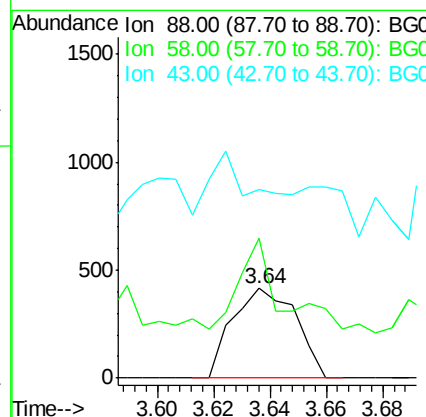
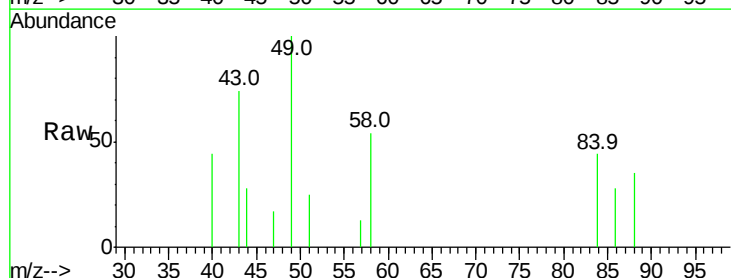
Tgt Ion: 88 Resp: 645

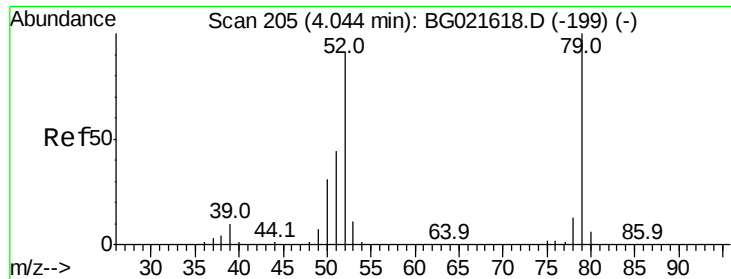
Ion Ratio Lower Upper

88 100

58 74.0 61.8 92.8

43 47.3 27.3 40.9#





#3

Pvridine

Concen: 0.70 ng

RT: 4.05 min Scan# 206

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

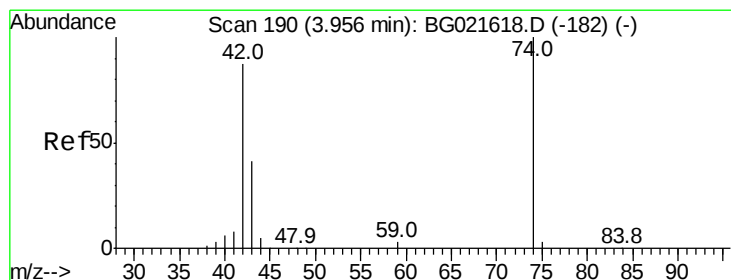
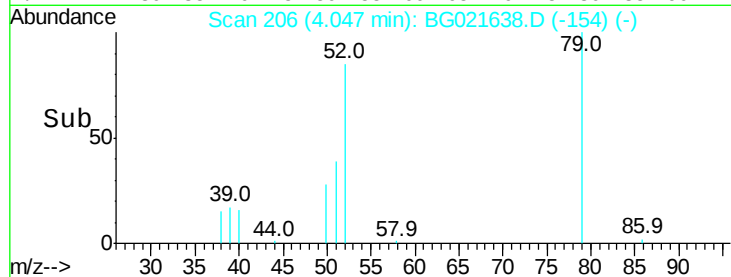
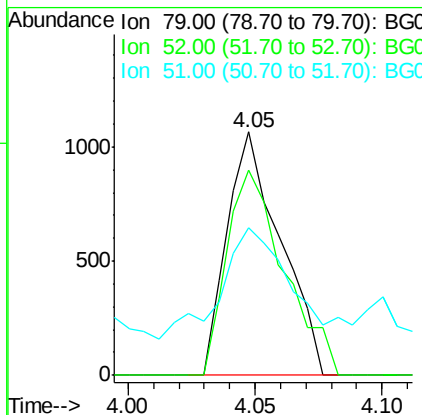
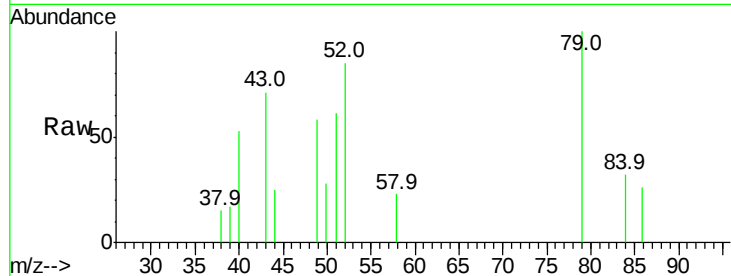
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	79	Resp:	1557
Ion	Ratio	Lower	Upper
79	100		
52	84.5	77.2	115.8
51	60.5	42.5	63.7

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#4

n-Nitrosodimethylamine

Concen: 0.83 ng

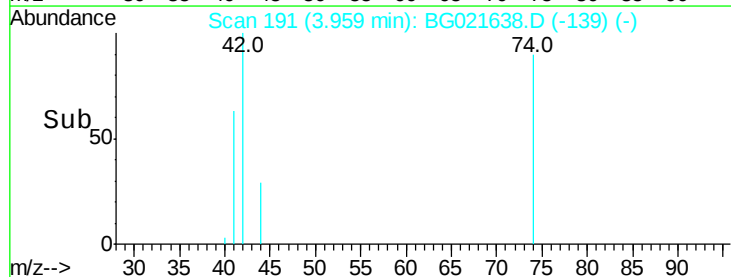
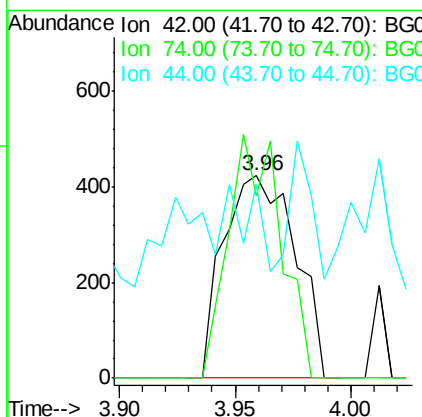
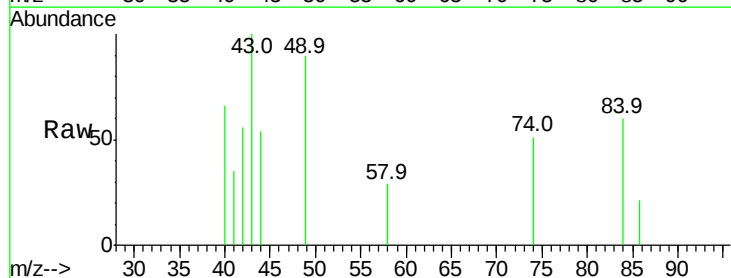
RT: 3.96 min Scan# 191

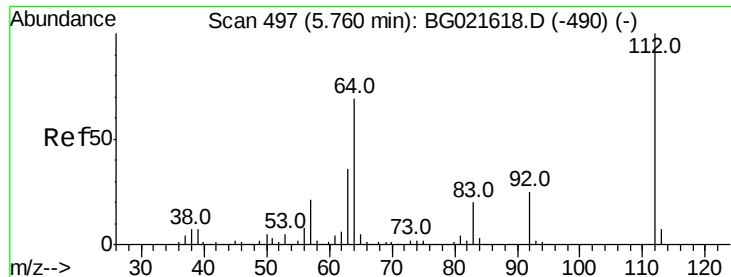
Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	42	Resp:	914
Ion	Ratio	Lower	Upper
42	100		
74	90.1	83.0	124.4
44	95.5	11.0	16.6#





#5

2-Fluorophenol

Concen: 142.69 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

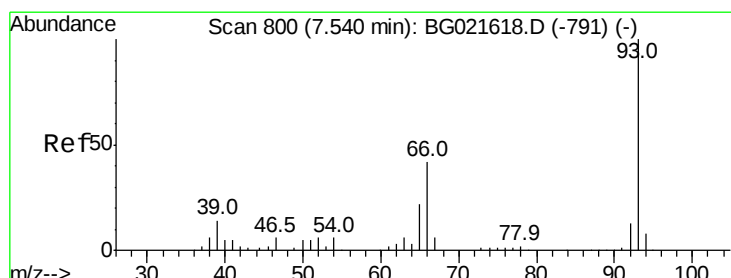
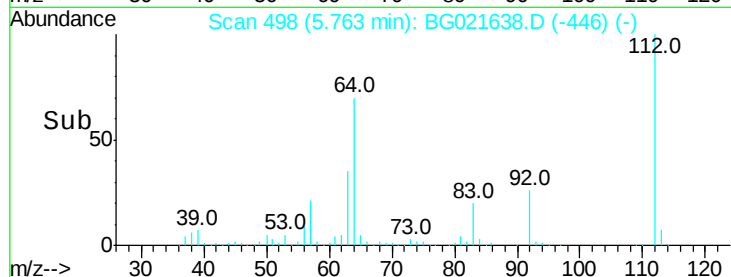
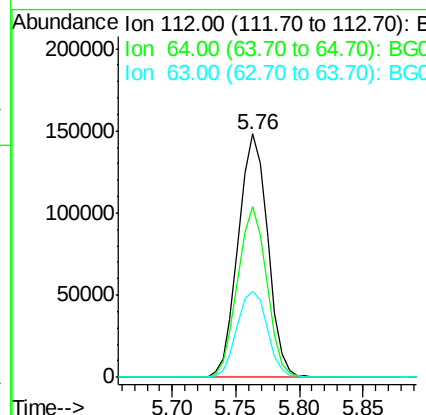
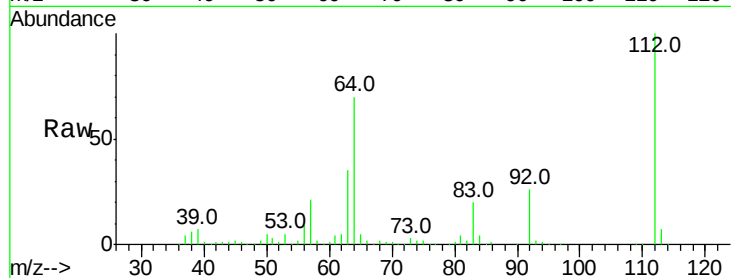
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	112	Resp:	238714
Ion Ratio	Lower	Upper	
112	100		
64	70.2	51.1	76.7
63	35.2	24.6	37.0

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#6

Aniline

Concen: 0.76 ng

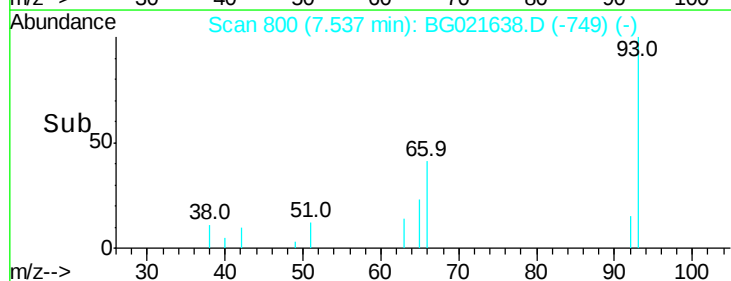
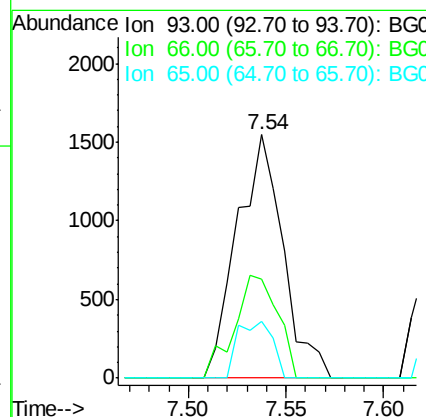
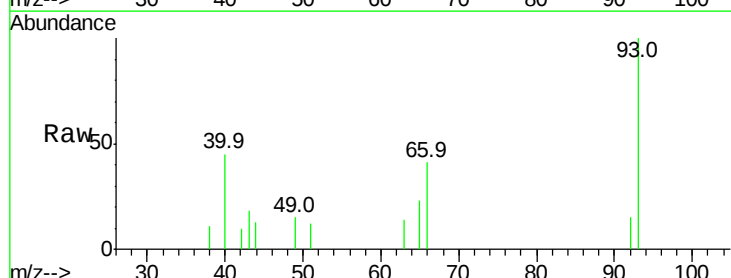
RT: 7.54 min Scan# 800

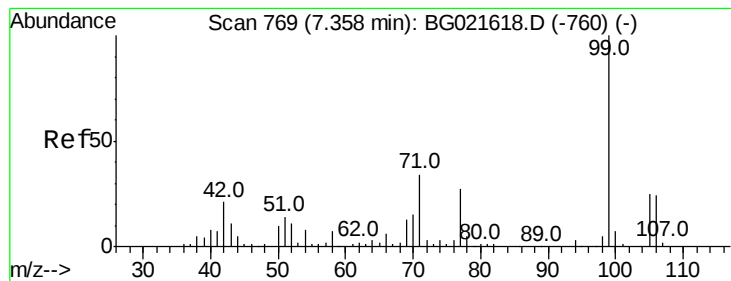
Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	93	Resp:	2521
Ion Ratio	Lower	Upper	
93	100		
66	40.6	36.3	54.5
65	23.3	18.4	27.6





#7

Phenol-d6

Concen: 136.89 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 99 Resp: 342082

Ion Ratio Lower Upper

99 100

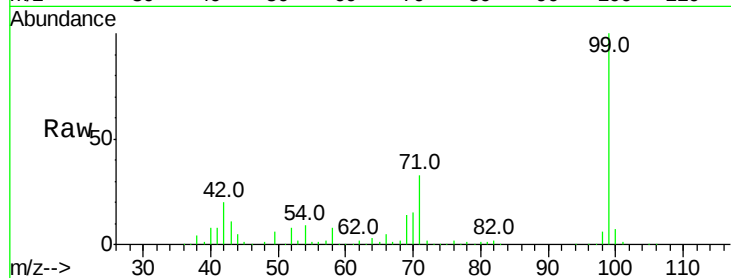
42 20.1 16.4 24.6

71 33.5 25.0 37.4

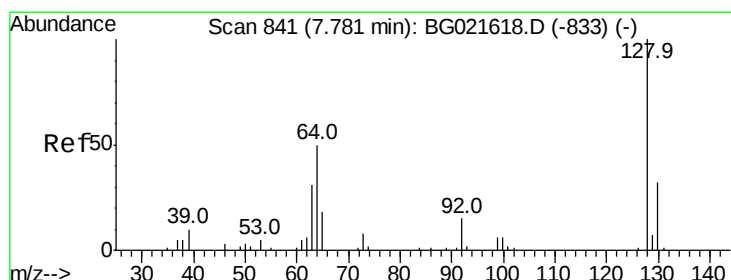
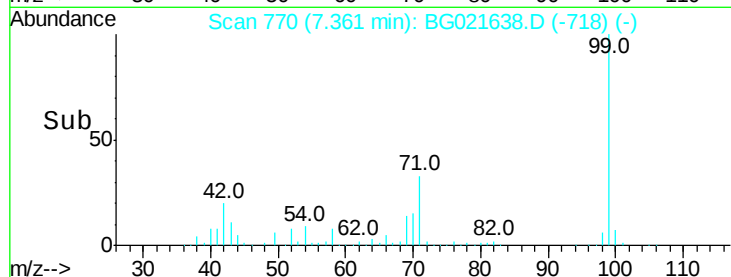
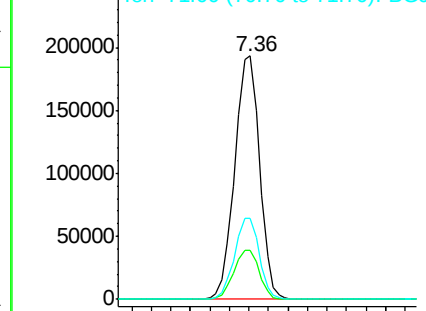
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 0.87 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

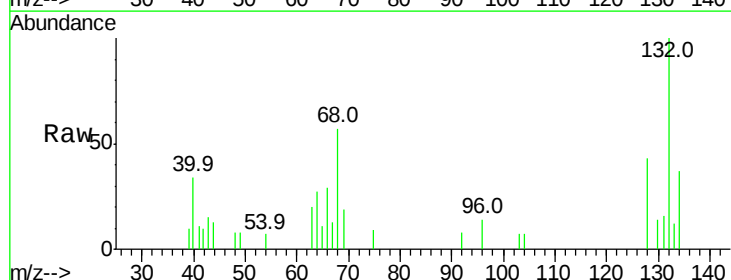
Tgt Ion: 128 Resp: 1742

Ion Ratio Lower Upper

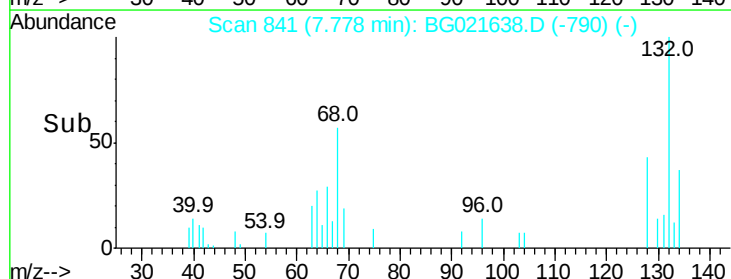
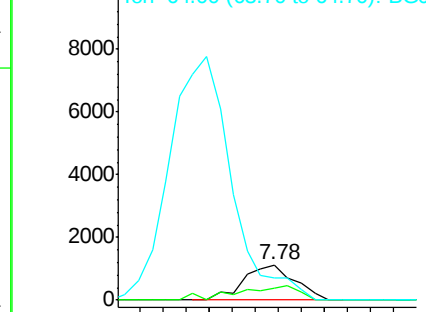
128 100

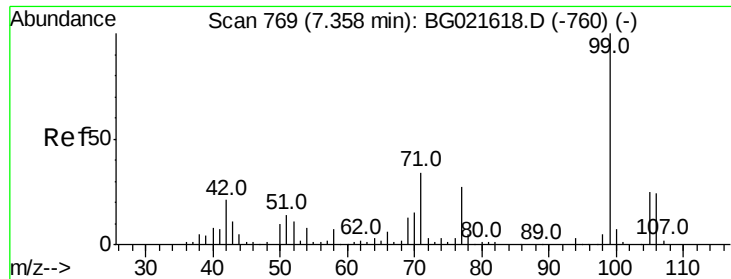
130 33.0 11.2 51.2

64 63.1 39.8 79.8



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





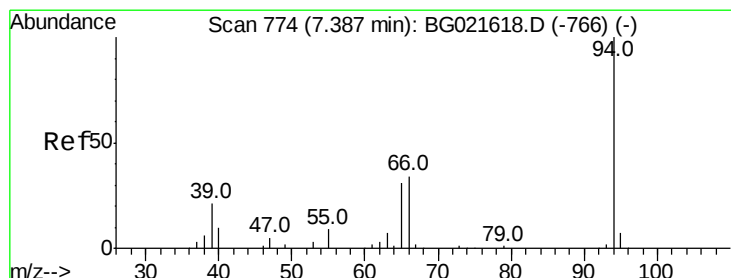
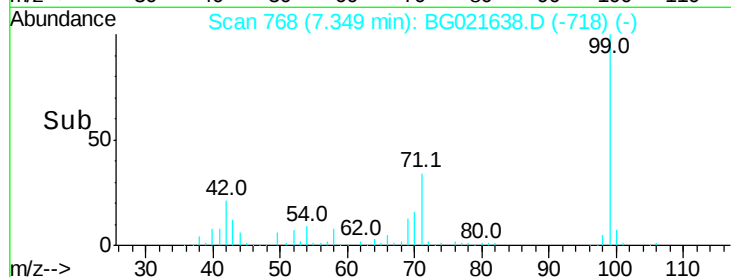
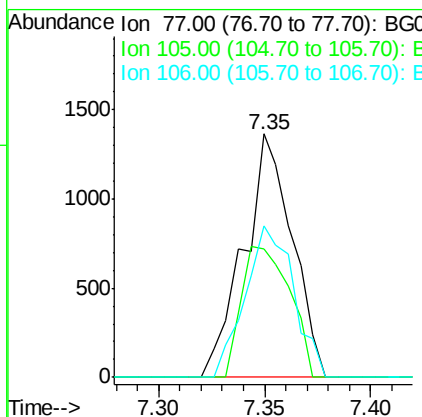
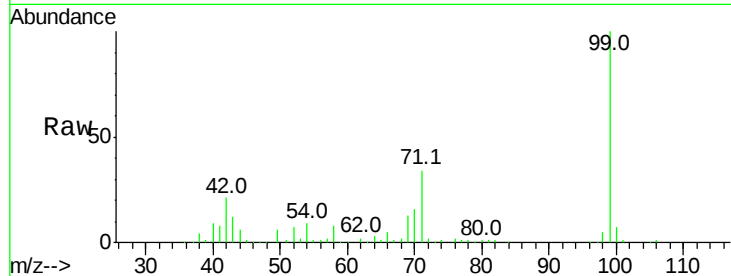
#9
Benzaldehyd
Concen: 1.51 ng
RT: 7.35 min Scan# 768
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
77	100		
105	52.6	62.1	102.1#
106	62.1	65.6	105.6#

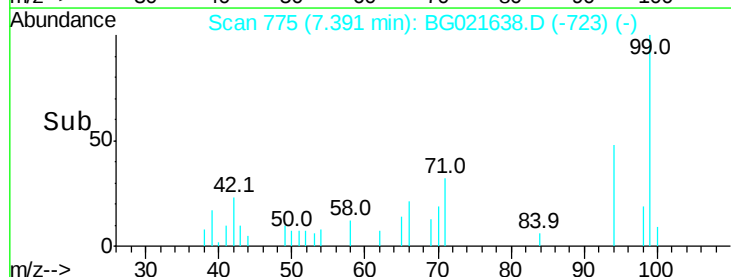
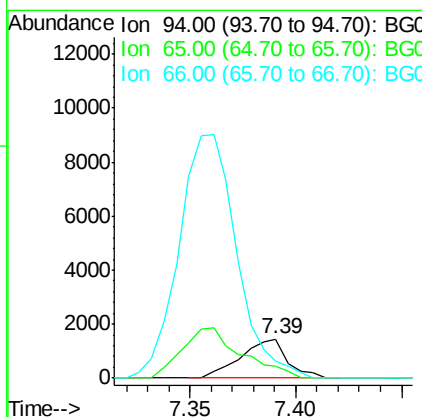
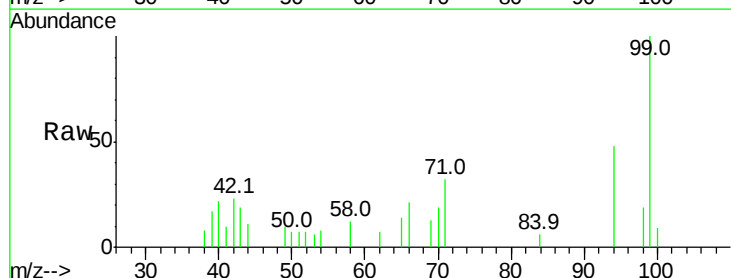
Manual Integrations
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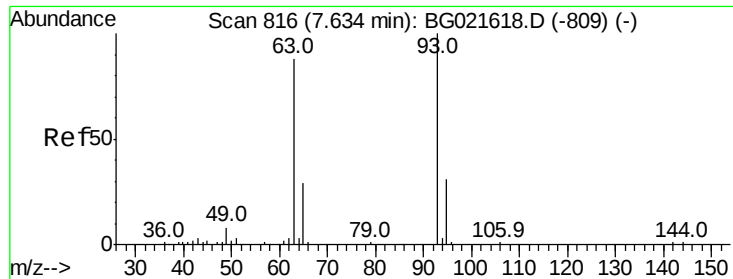
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#10
Phenol
Concen: 0.82 ng
RT: 7.39 min Scan# 775
Delta R.T. 0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.8	9.8	49.8
66	43.0	20.8	60.8





#11

bis(2-Chloroethyl)ether

Concen: 0.70 ng

RT: 7.63 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

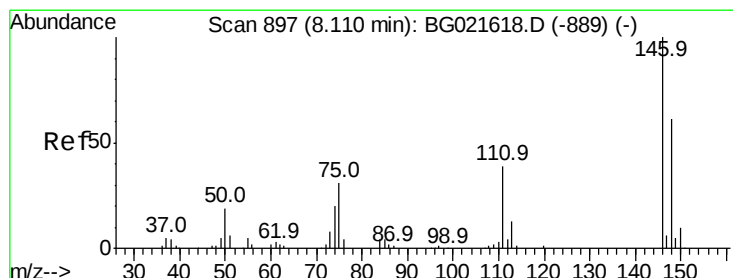
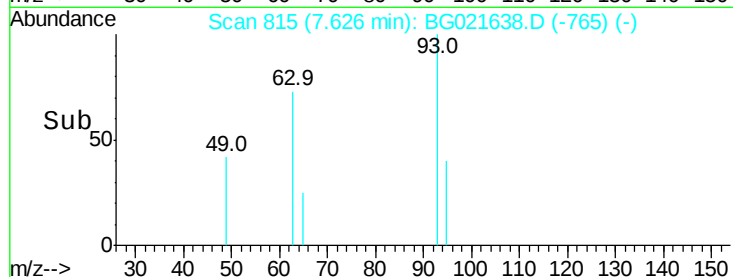
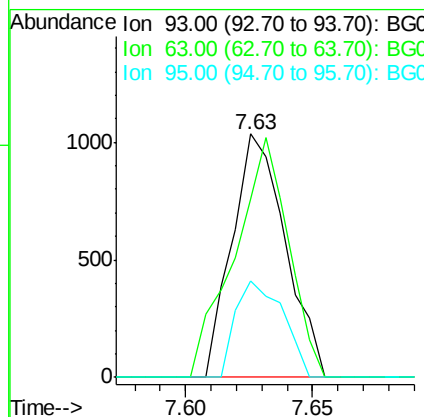
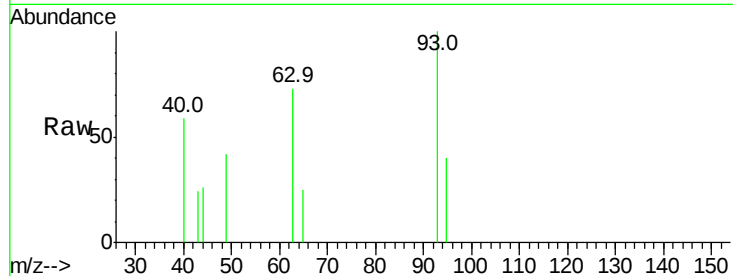
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	93	Resp:	1513
Ion	Ratio	Lower	Upper
93	100		
63	73.0	74.9	114.9#
95	39.6	8.3	48.3

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#12

1,3-Dichlorobenzene

Concen: 0.68 ng

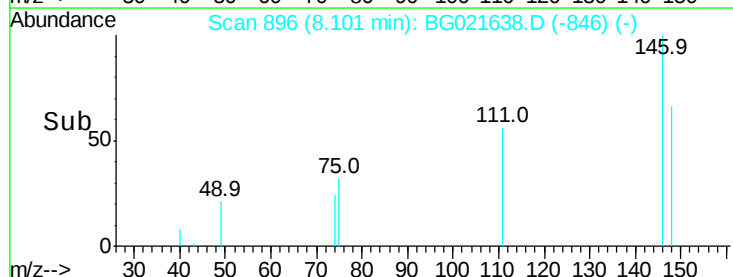
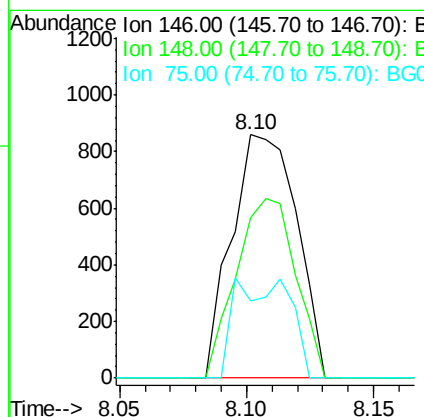
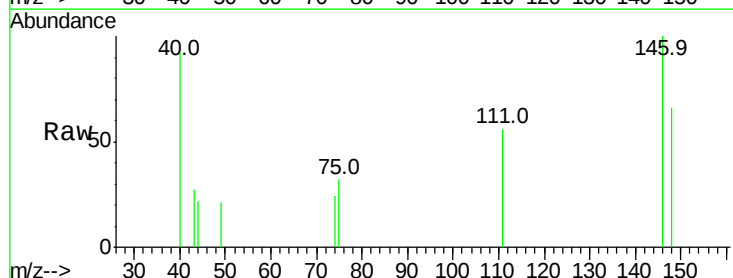
RT: 8.10 min Scan# 896

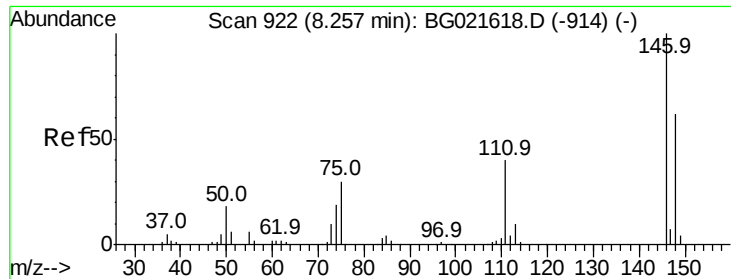
Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	146	Resp:	1534
Ion	Ratio	Lower	Upper
146	100		
148	66.0	53.7	80.5
75	31.7	27.4	41.0





#13

1,4-Dichlorobenzene

Concen: 0.73 ng

RT: 8.25 min Scan# 922

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

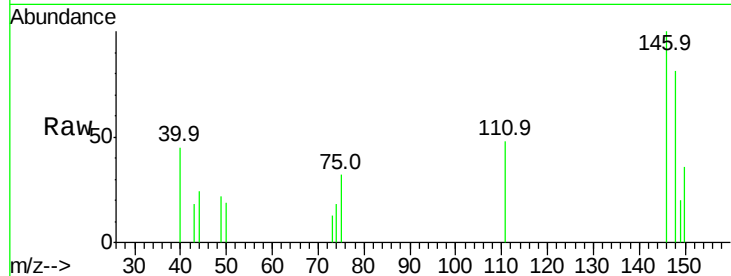
ClientSampleId :

LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
146	100		
148	81.2	46.7	70.1#
111	48.1	33.0	49.6

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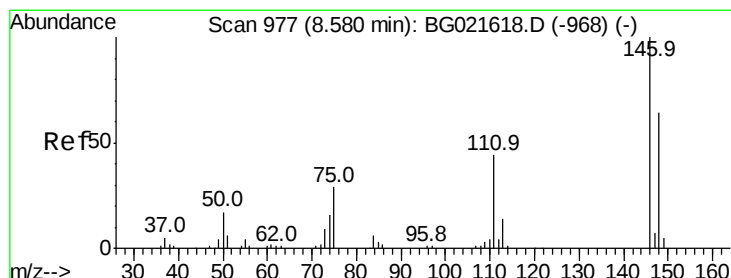
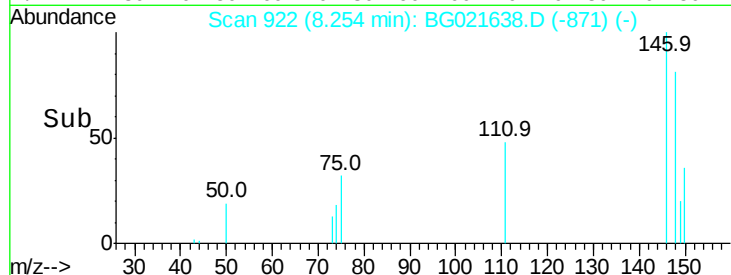
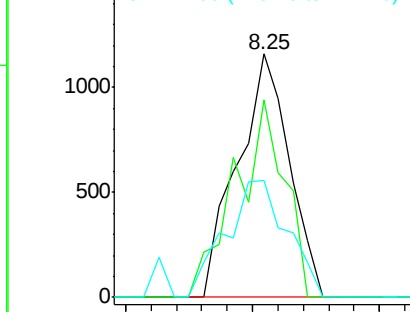


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.75 ng

RT: 8.57 min Scan# 976

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

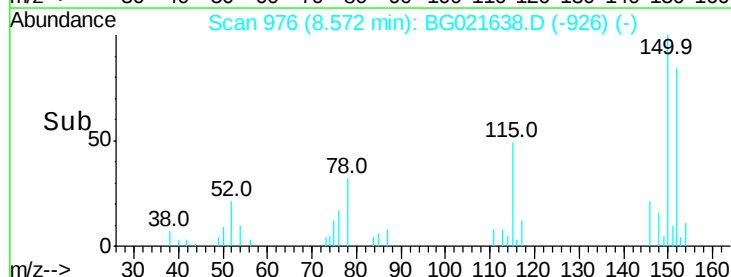
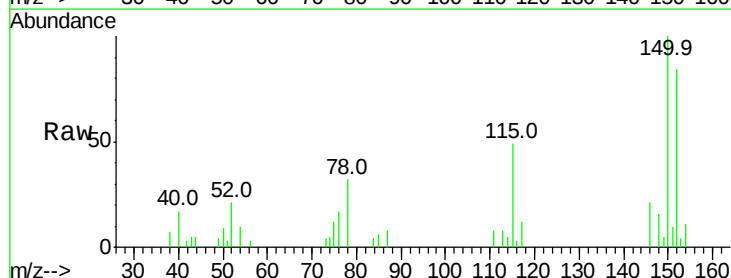
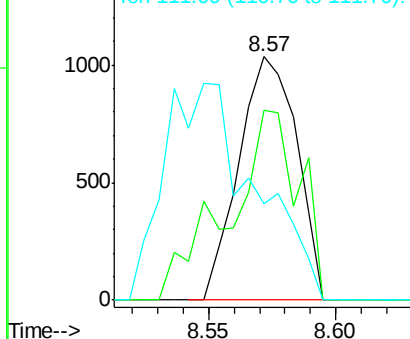
Tgt Ion	Ratio	Lower	Upper
146	100		
148	78.0	52.6	79.0
111	39.7	36.1	54.1

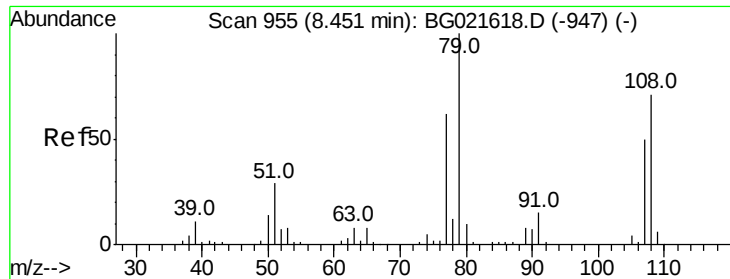
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 0.81 ng

RT: 8.45 min Scan# 955

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

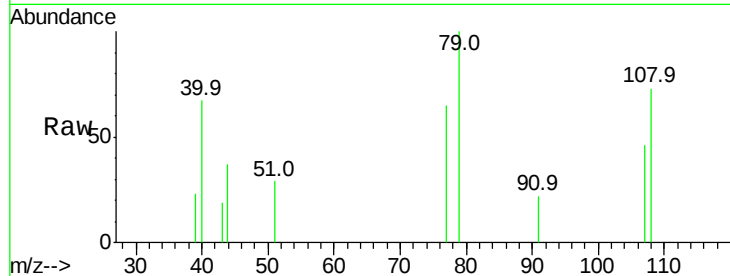
ClientSampleId :

LOD-SOIL2016-01

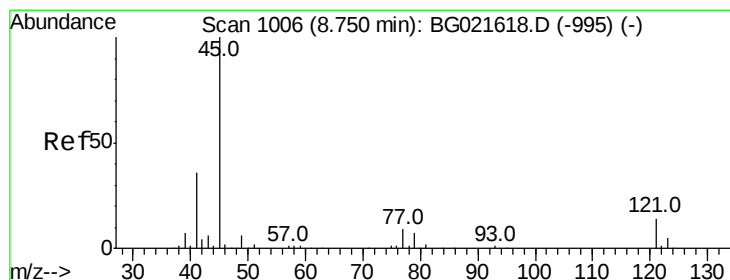
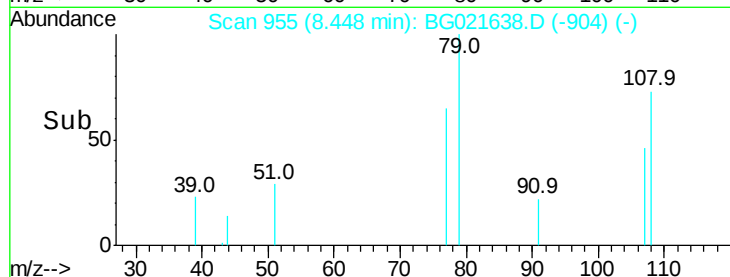
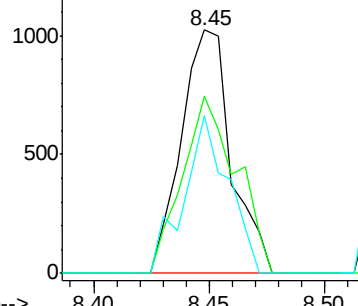
Tot Ion:	79	Resp:	1543
Ion Ratio	Lower	Upper	
79	100		
108	72.8	59.4	89.0
77	64.6	52.2	78.2

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



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.79 ng

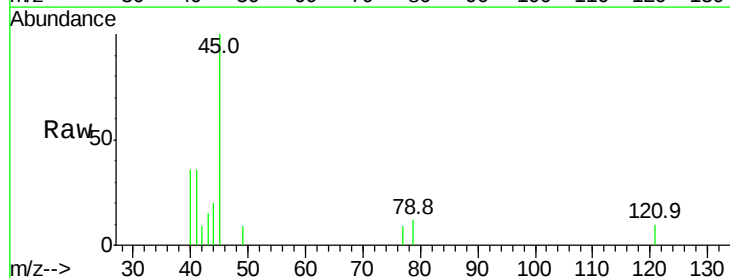
RT: 8.75 min Scan# 1006

Delta R.T. -0.00 min

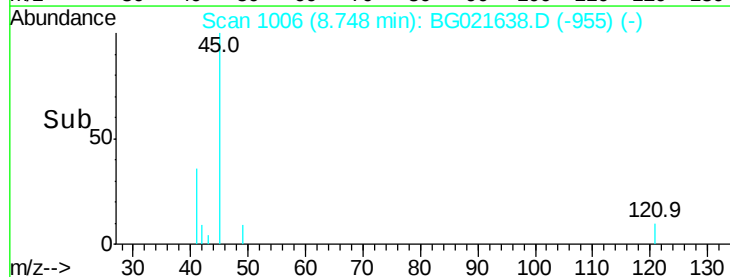
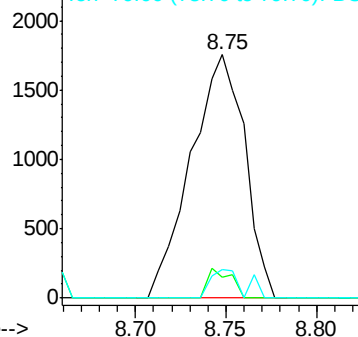
Lab File: BG021638.D

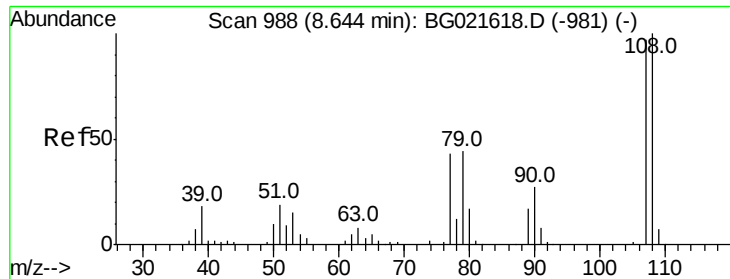
Acq: 14 Apr 2016 2:08

Tgt Ion:	45	Resp:	3619
Ion Ratio	Lower	Upper	
45	100		
77	8.7	0.0	31.2
79	11.6	0.0	29.0



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





#17

2-Methylphenol

Concen: 0.76 ng

RT: 8.65 min Scan# 989

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:107 Resp: 1419

Ion Ratio Lower Upper

107 100

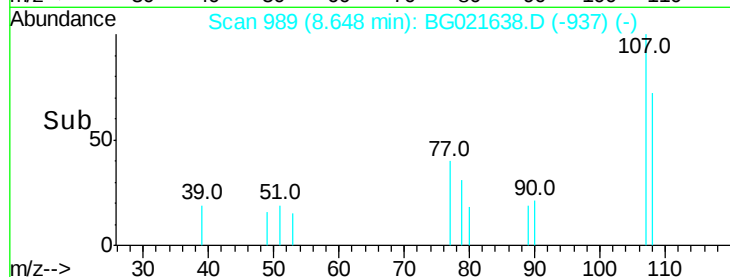
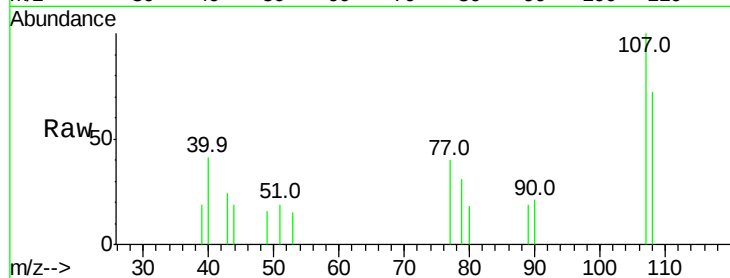
108 71.9 80.2 120.4#

77 40.2 40.7 61.1#

79 31.2 39.8 59.8#

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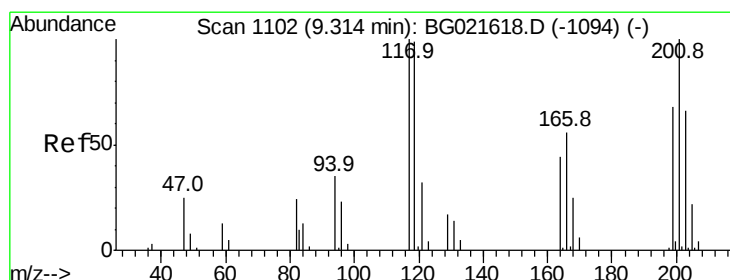
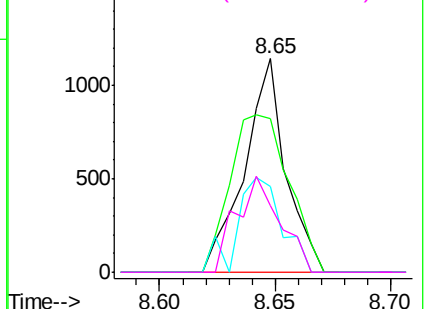


Abundance Ion 107.00 (106.70 to 107.70): E

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: 0.66 ng

RT: 9.31 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

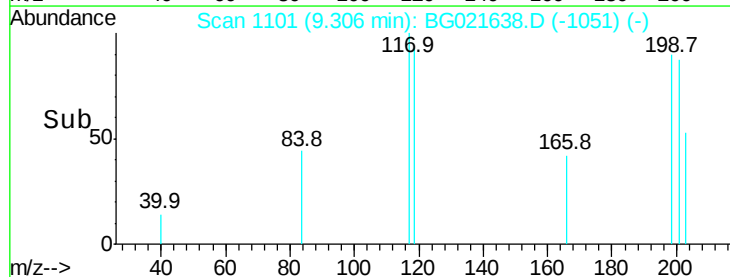
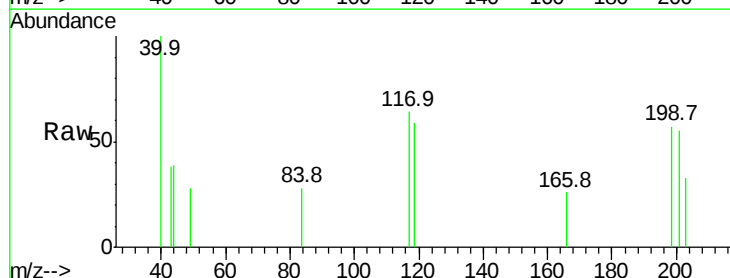
Tgt Ion:117 Resp: 549

Ion Ratio Lower Upper

117 100

119 92.6 63.9 95.9

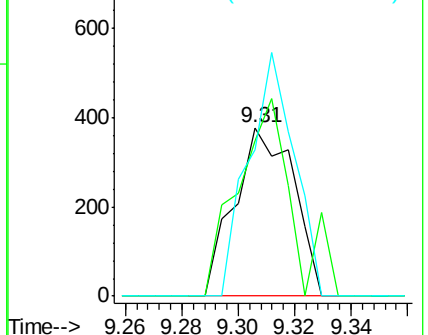
201 87.3 61.2 91.8

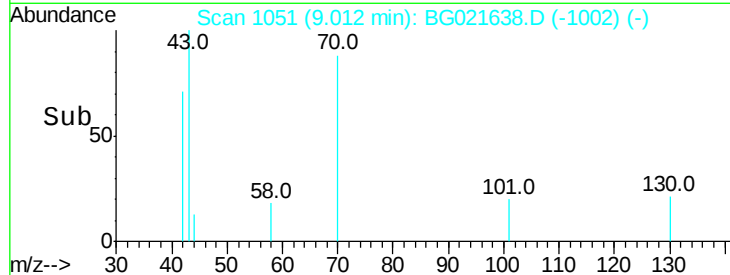
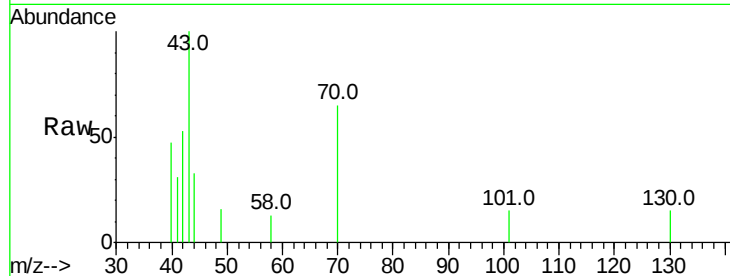
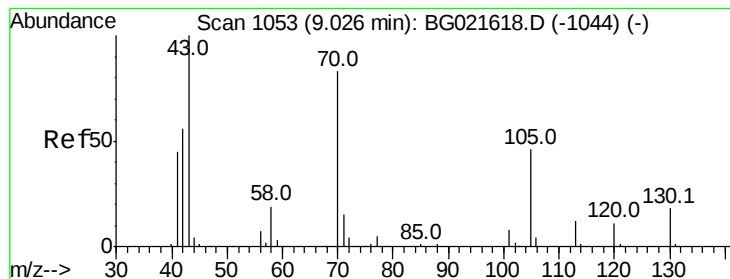


Abundance Ion 117.00 (116.70 to 117.70): E

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: 0.59 ng

RT: 9.01 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 70 Resp: 1149

Ion Ratio Lower Upper

70 100

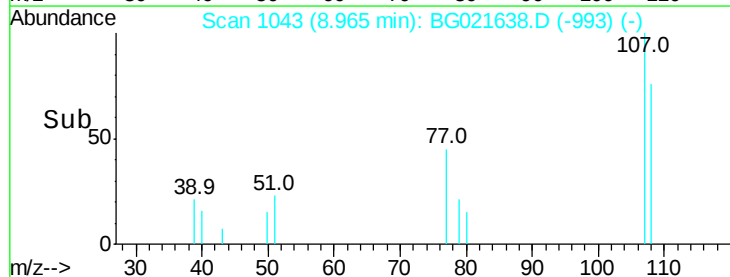
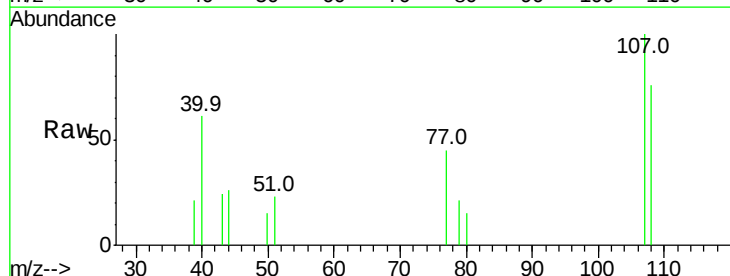
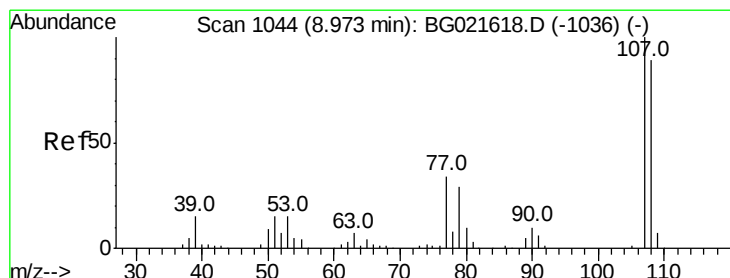
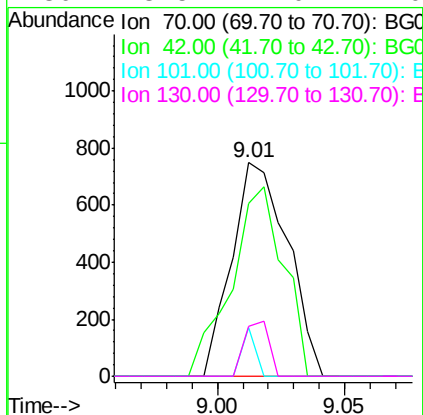
42 81.0 56.7 85.1

101 22.8 8.2 12.4#

130 23.5 14.0 21.0#

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#20

3+4-Methylphenols

Concen: 0.69 ng

RT: 8.97 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion: 107 Resp: 1762

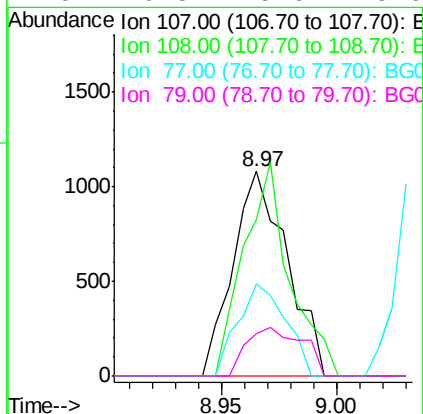
Ion Ratio Lower Upper

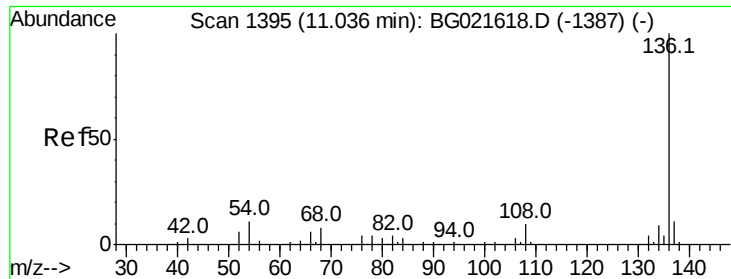
107 100

108 76.3 66.2 106.2

77 45.1 11.5 51.5

79 20.8 5.6 45.6





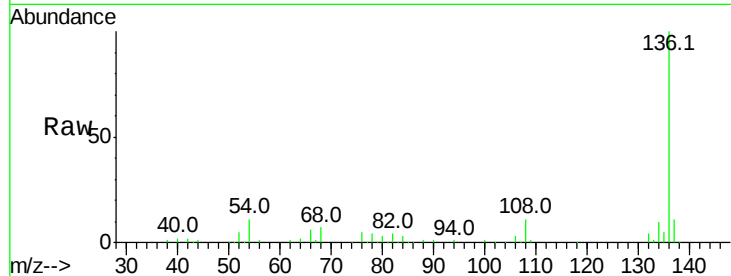
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

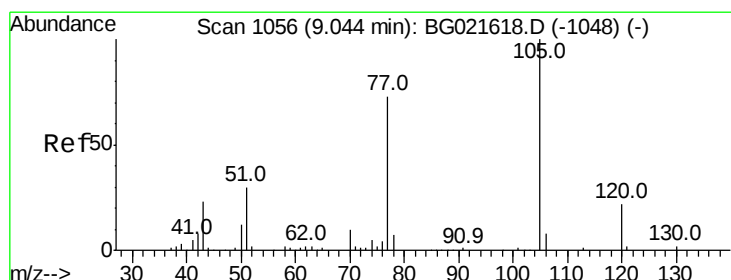
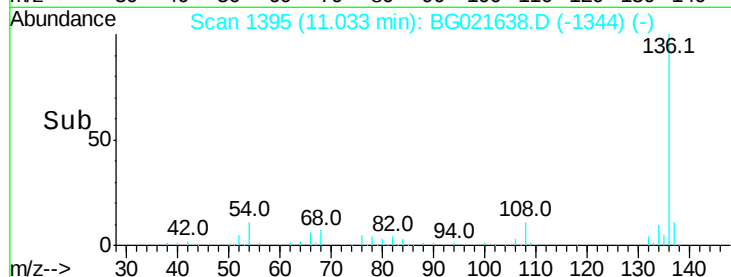
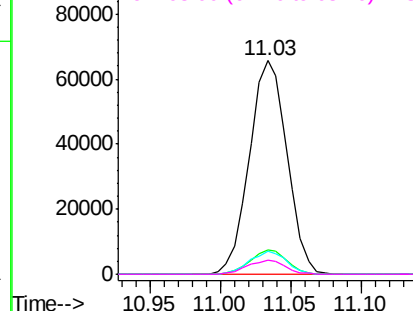
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.4	
54	10.9	9.6	14.4	
68	6.5	6.4	9.6	

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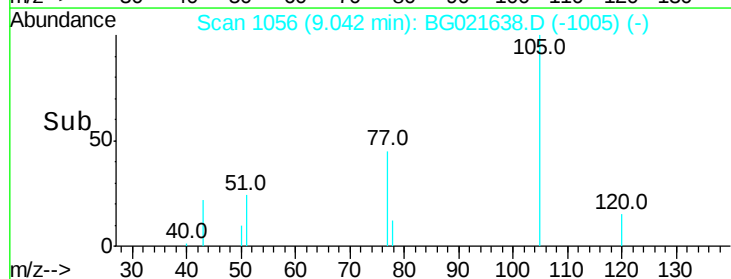
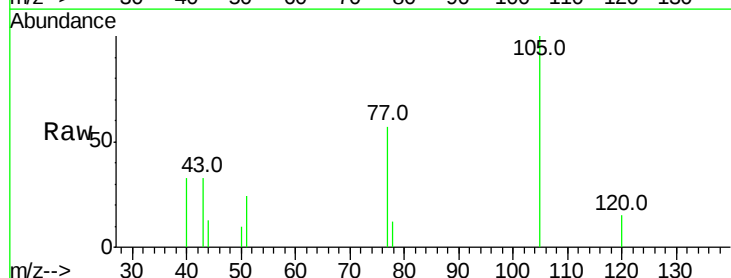
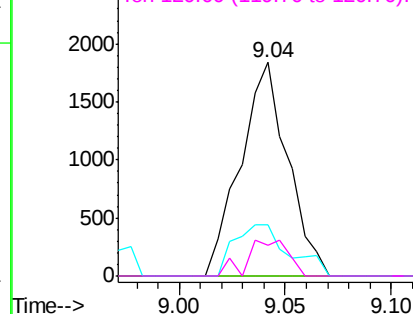
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

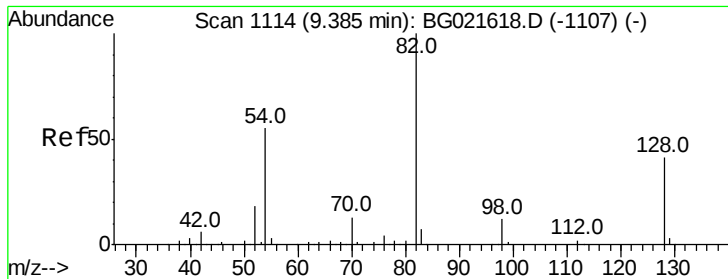


#22
Acetophenone
Concen: 0.84 ng
RT: 9.04 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	0.0	0.0	
51	24.1	25.7	38.5#	
120	14.6	17.0	25.6#	

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





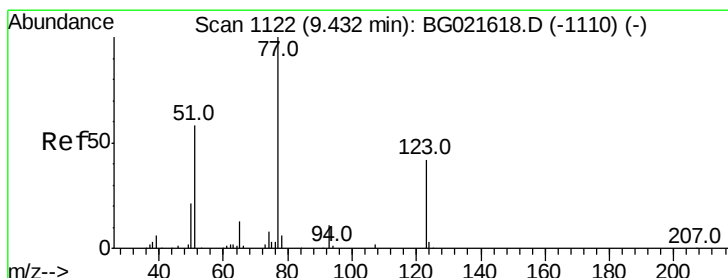
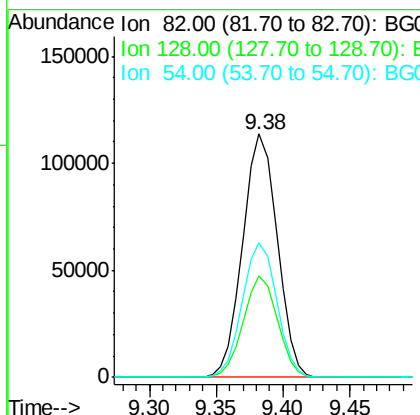
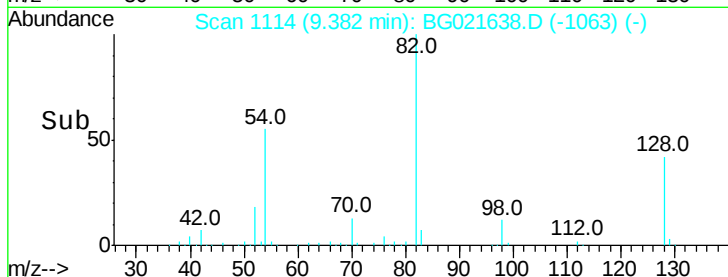
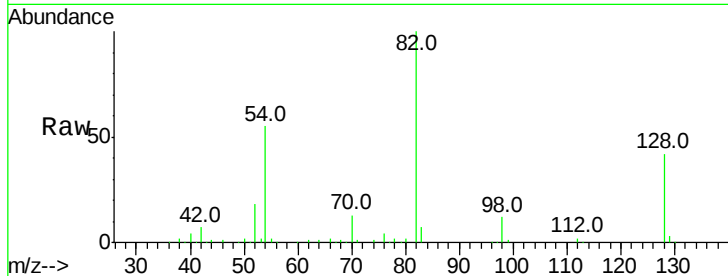
#23
 Nitrobenzene-d5
 Concen: 85.50 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.7	33.4	50.0	
54	55.4	46.1	69.1	

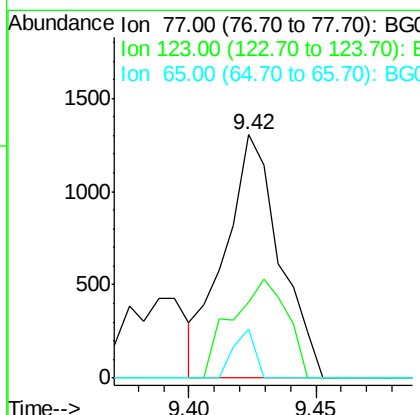
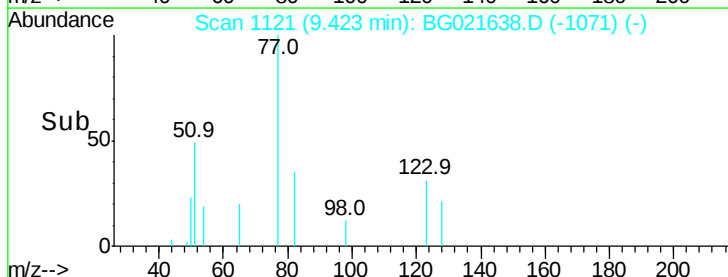
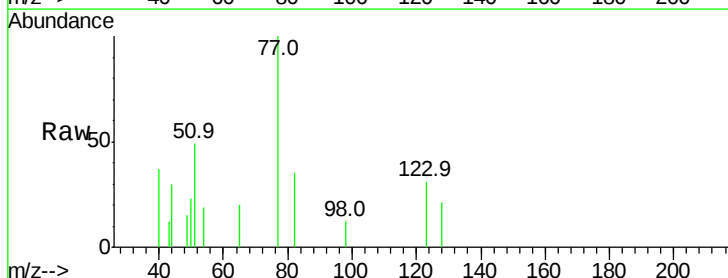
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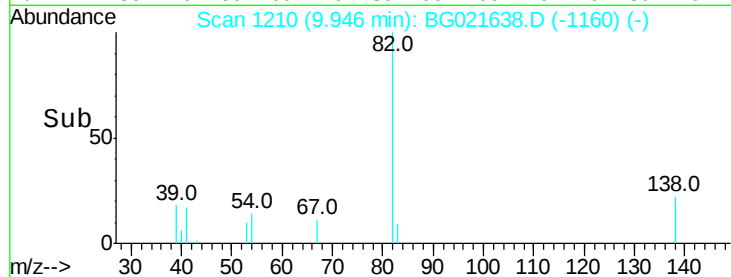
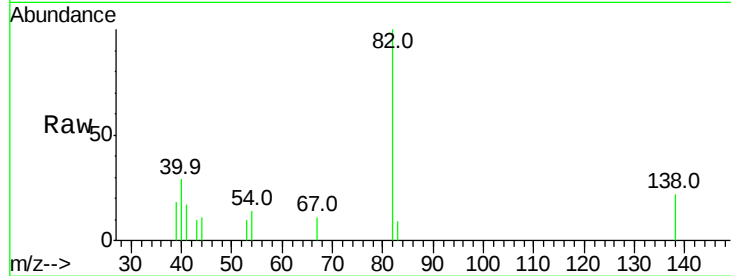
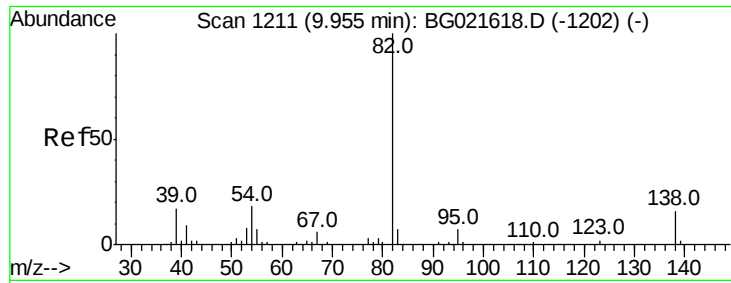
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#24
 Nitrobenzene
 Concen: 0.77 ng
 RT: 9.42 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	31.3	32.2	48.4#	
65	20.2	10.3	15.5#	





#25

Isophorone

Concen: 0.70 ng

RT: 9.95 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tot Ion:	82	Resp:	3671
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.0	9.0#
138	21.5	13.4	20.0#

Instrument :

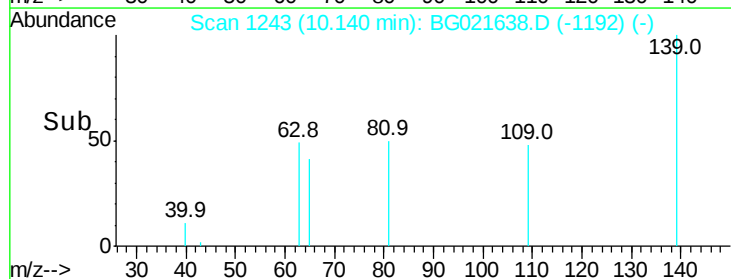
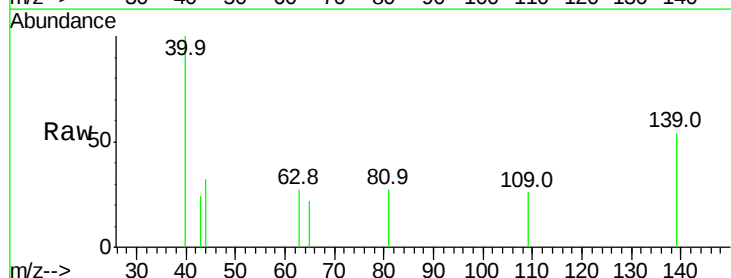
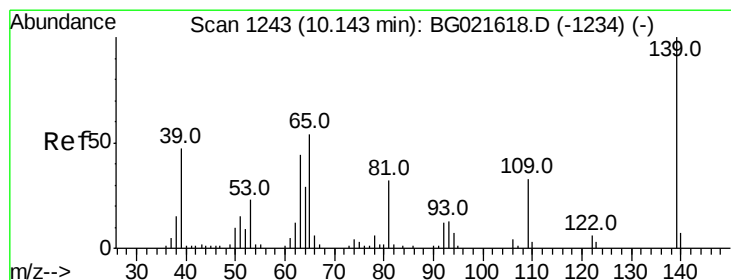
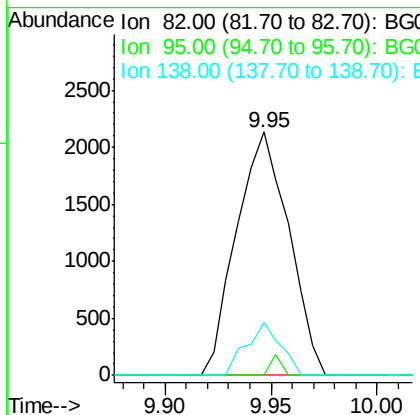
BNA_G

ClientSampleId :

LOD-SOIL2016-01

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#26

2-Nitrophenol

Concen: 0.46 ng

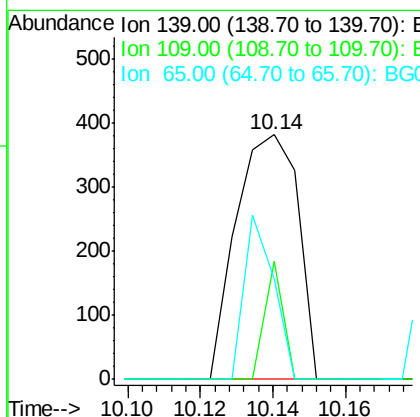
RT: 10.14 min Scan# 1243

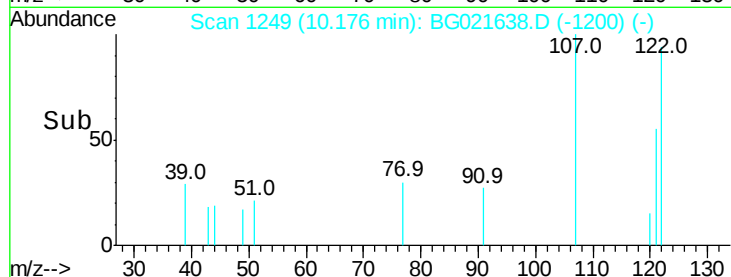
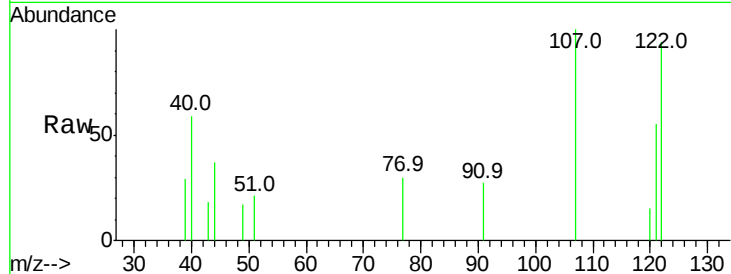
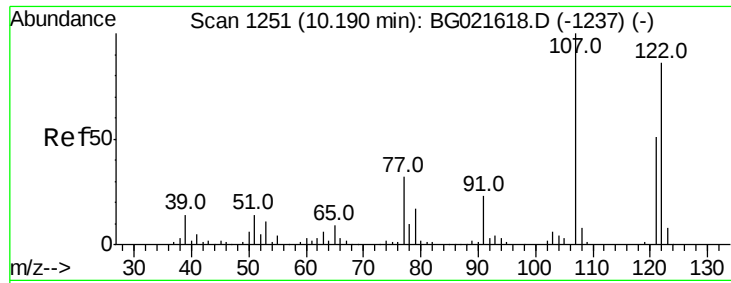
Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	139	Resp:	453
Ion Ratio	Lower	Upper	
139	100		
109	48.3	26.6	40.0#
65	40.7	45.3	67.9#





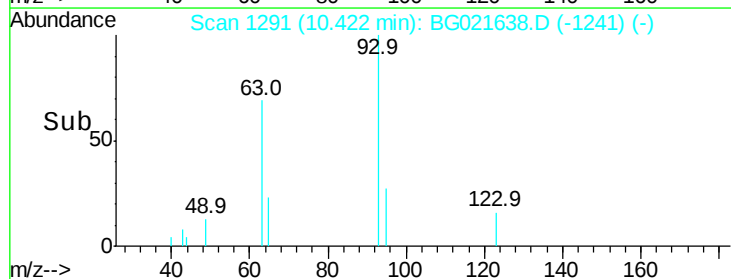
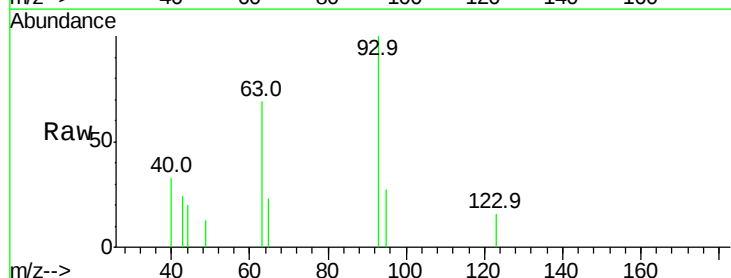
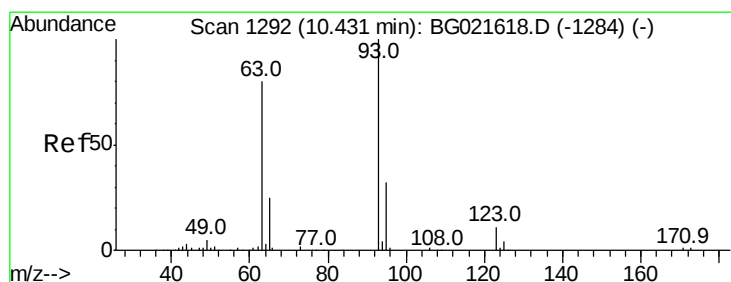
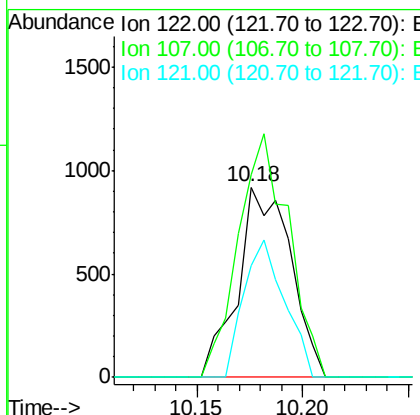
#27
2,4-Dimethylphenol
Concen: 0.72 ng
RT: 10.18 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
122	100		
107	106.5	97.2	145.8
121	58.7	49.0	73.4

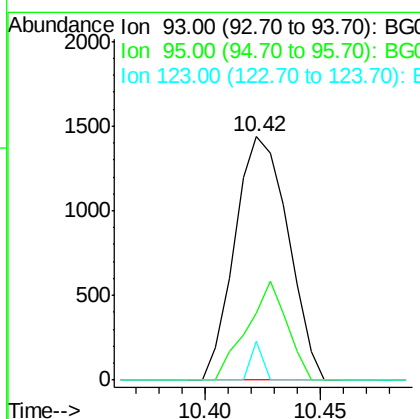
Manual Integrations
APPROVED

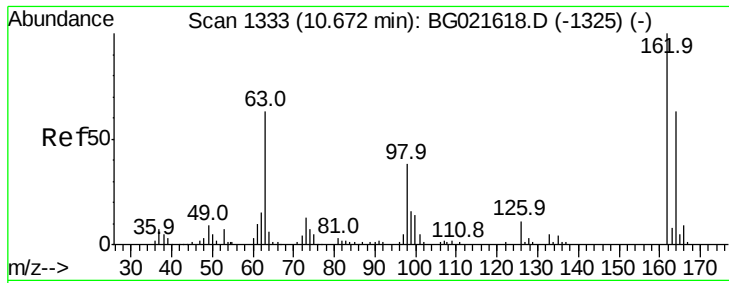
Sohil
4/14/2016 5:30:03 PM



#28
bis(2-Chloroethoxy)methane
Concen: 0.83 ng
RT: 10.42 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	27.3	30.1	45.1#
123	16.1	10.2	15.4#





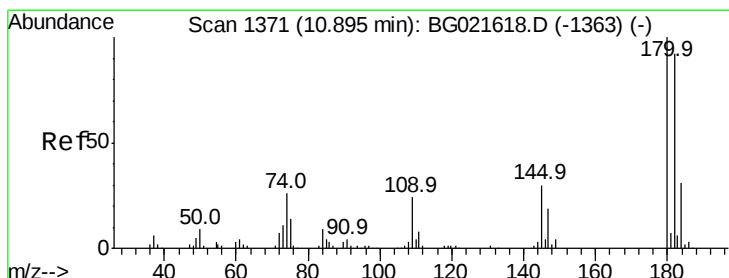
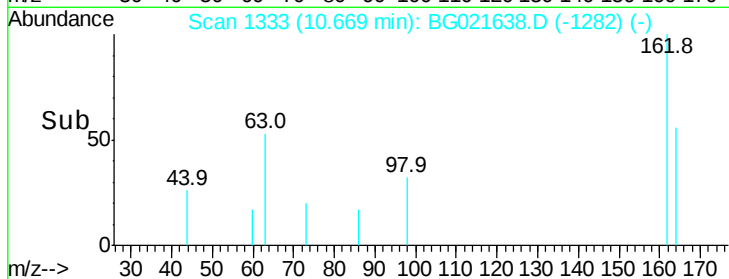
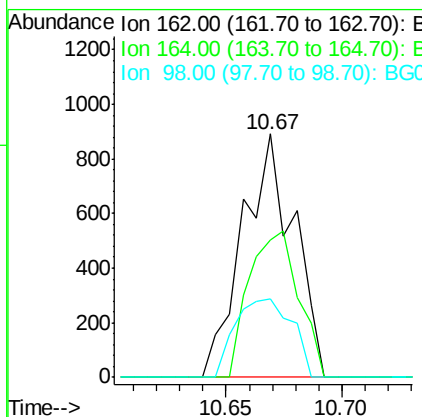
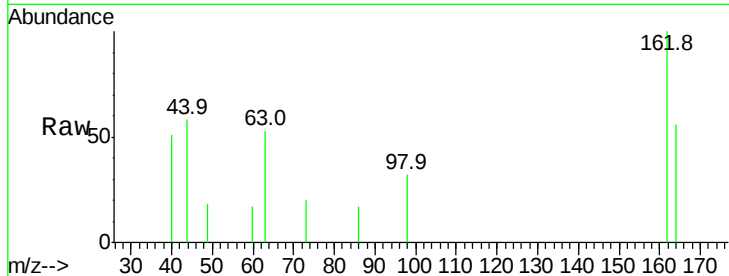
#29
 2,4-Dichlorophenol
 Concen: 0.73 ng
 RT: 10.67 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
162	100		
164	56.4	44.9	84.9
98	32.1	19.2	59.2

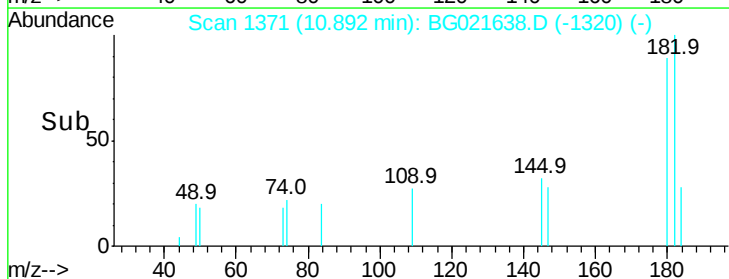
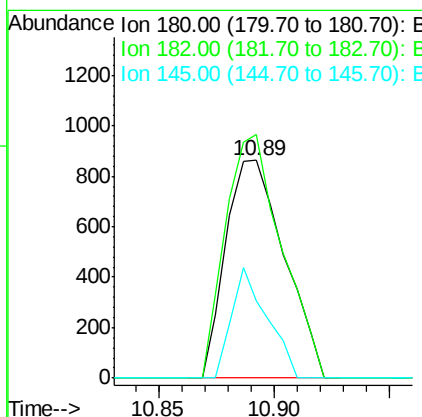
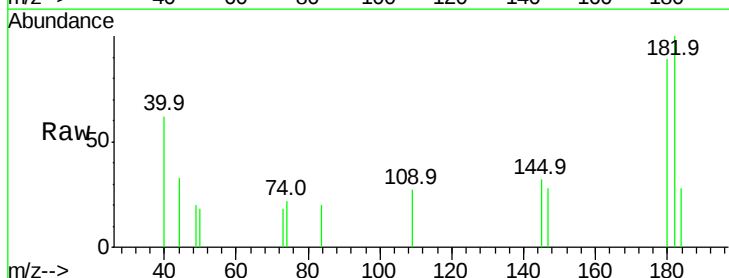
Manual Integrations
 APPROVED

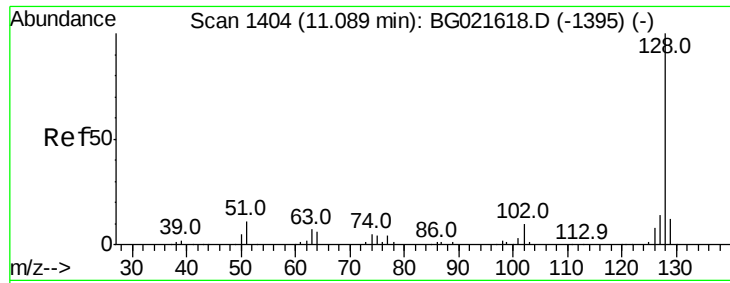
Sohil
 4/14/2016 5:30:03 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 0.75 ng
 RT: 10.89 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	111.9	82.3	123.5
145	35.5	24.4	36.6





#31

Naphthalene

Concen: 0.80 ng

RT: 11.09 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

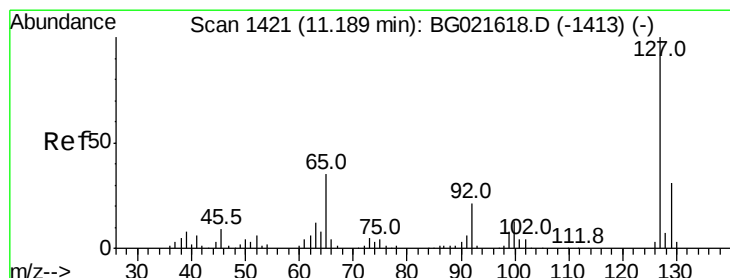
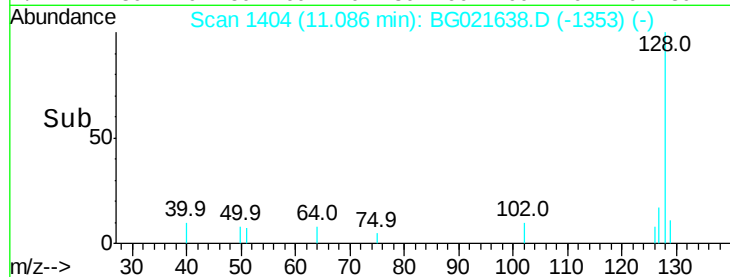
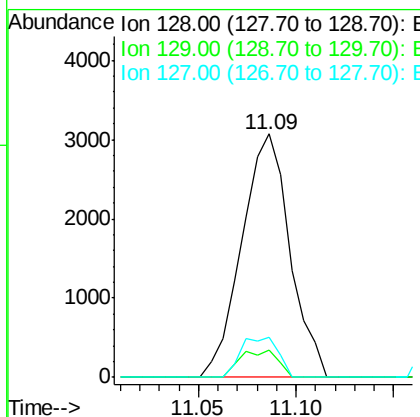
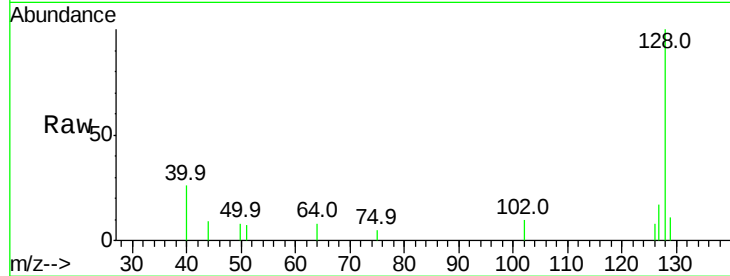
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	128	Resp:	5241
Ion Ratio	Lower	Upper	
128	100		
129	11.2	7.0	10.6#
127	16.5	10.1	15.1#

Manual Integrations
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#33

4-Chloroaniline

Concen: 0.82 ng

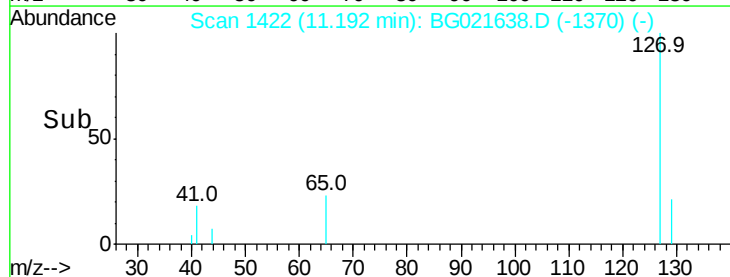
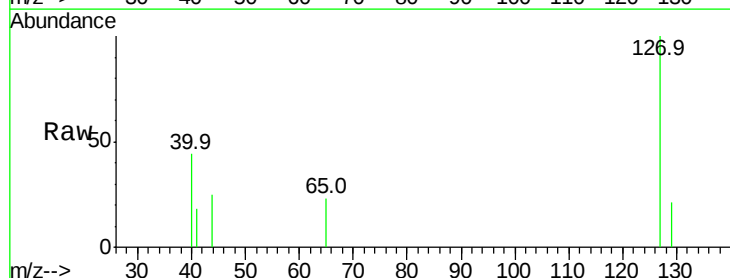
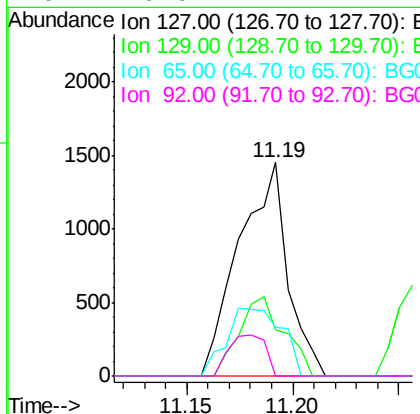
RT: 11.19 min Scan# 1422

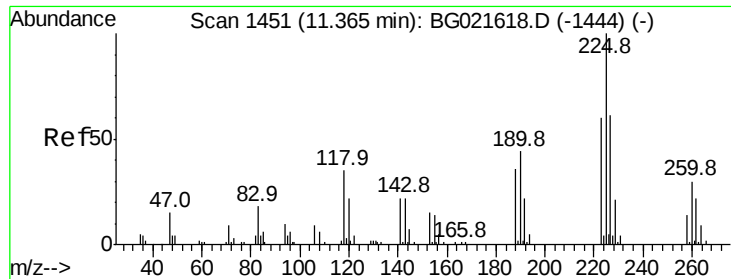
Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	127	Resp:	2317
Ion Ratio	Lower	Upper	
127	100		
129	21.4	26.6	39.8#
65	22.8	27.5	41.3#
92	0.0	14.7	22.1#





#34

Hexachlorobutadiene

Concen: 0.76 ng

RT: 11.37 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:225 Resp: 993

Ion Ratio Lower Upper

225 100

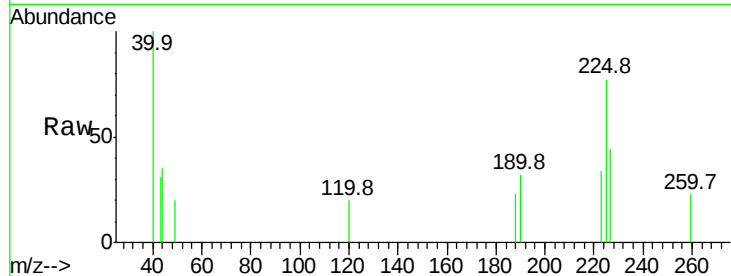
223 44.0 52.7 79.1#

227 56.7 49.7 74.5

Manual Integrations
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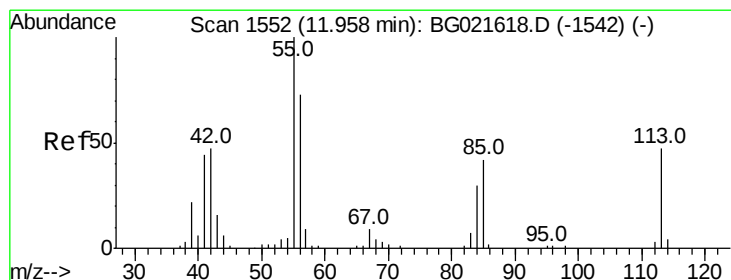
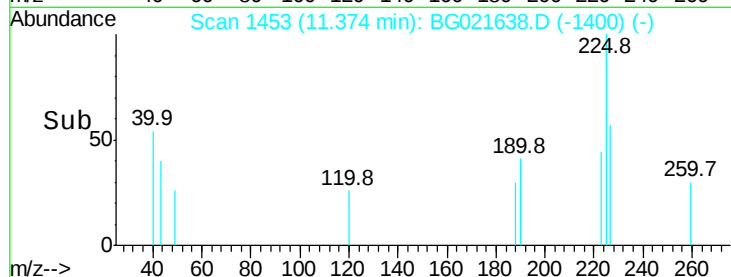
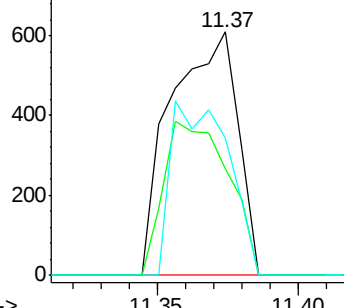
4/14/2016 5:30:03 PM



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 0.63 ng

RT: 11.94 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

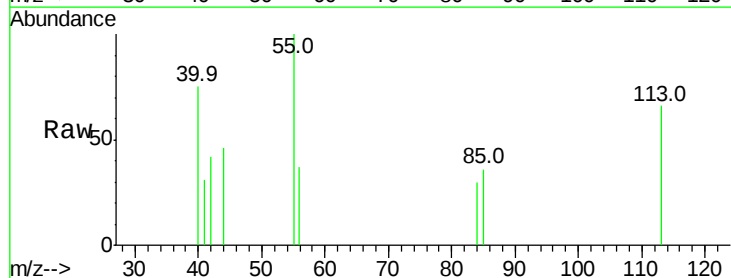
Tgt Ion:113 Resp: 544

Ion Ratio Lower Upper

113 100

55 151.0 194.2 234.2#

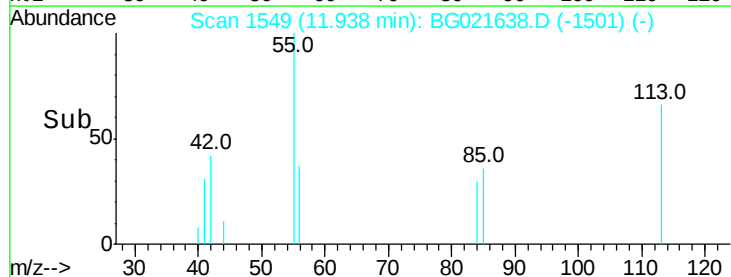
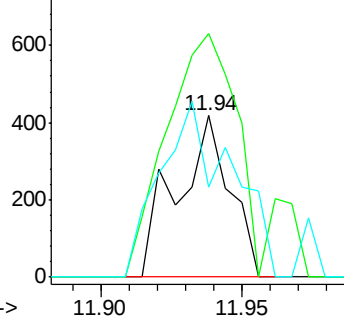
56 55.7 122.6 162.6#

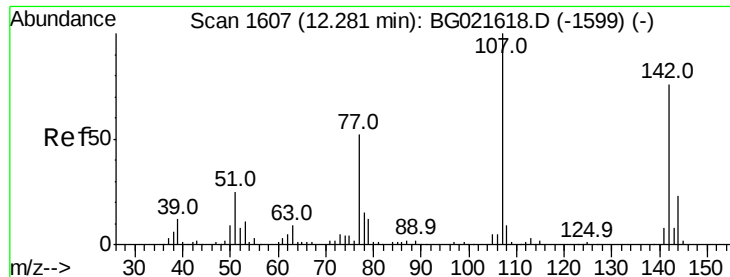


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





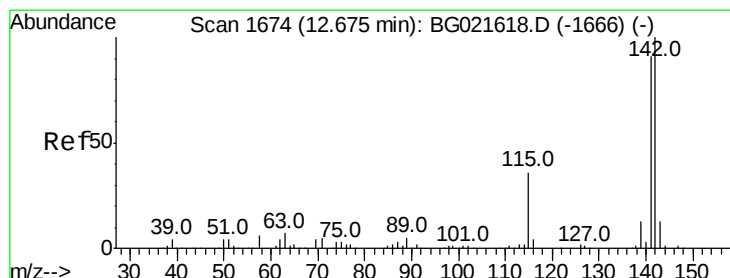
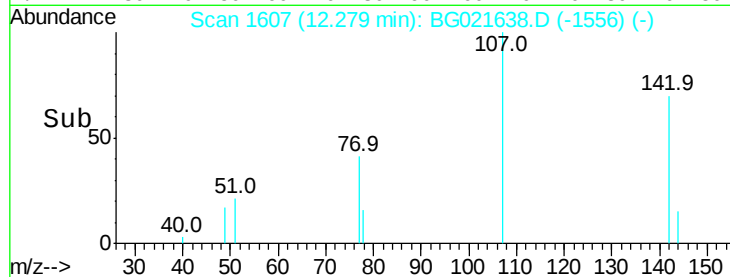
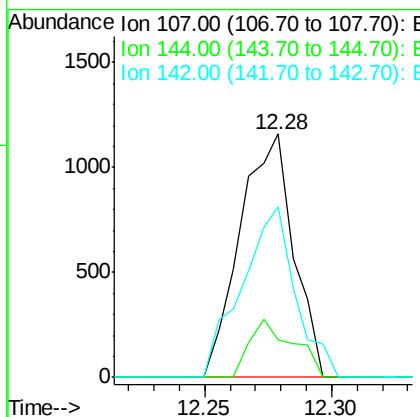
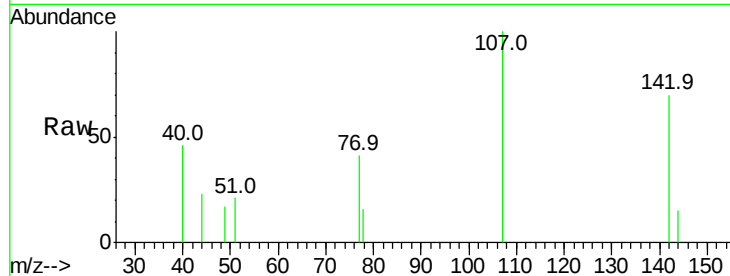
#36
 4-Chloro-3-methylphenol
 Concen: 0.71 ng
 RT: 12.28 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
107	100		
144	15.4	19.2	28.8#
142	70.3	59.1	88.7

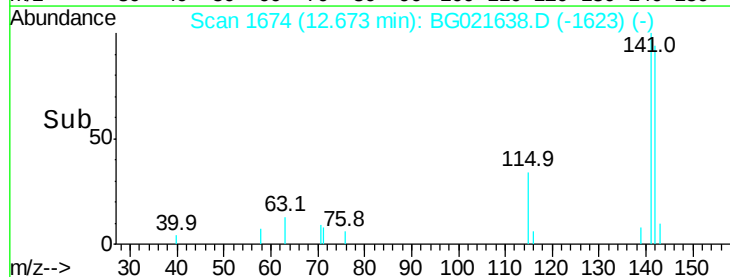
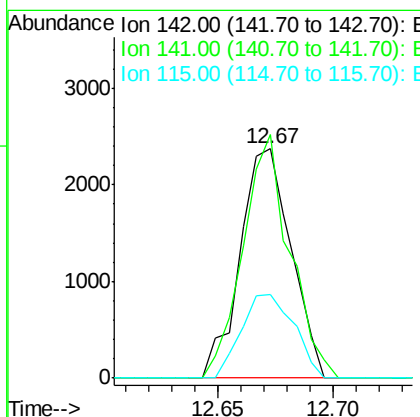
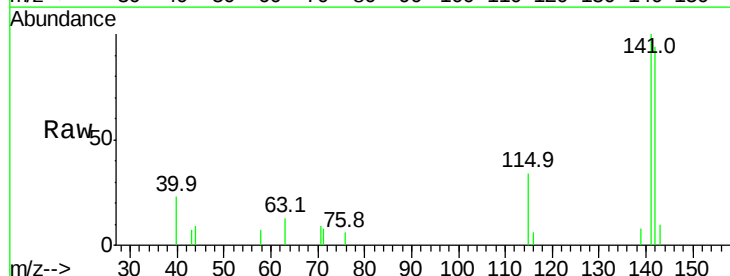
Manual Integrations
 APPROVED

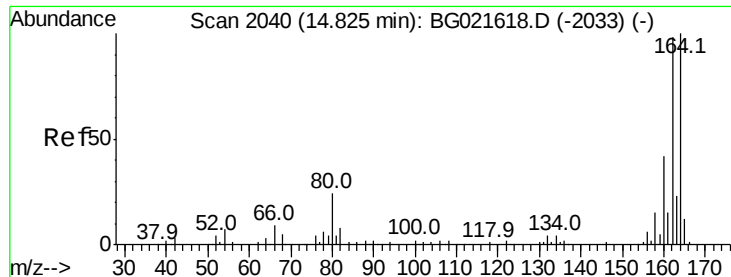
Sohil
 4/14/2016 5:30:03 PM



#37
 2-Methylnaphthalene
 Concen: 0.81 ng
 RT: 12.67 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	106.1	71.4	107.0
115	36.3	27.4	41.2





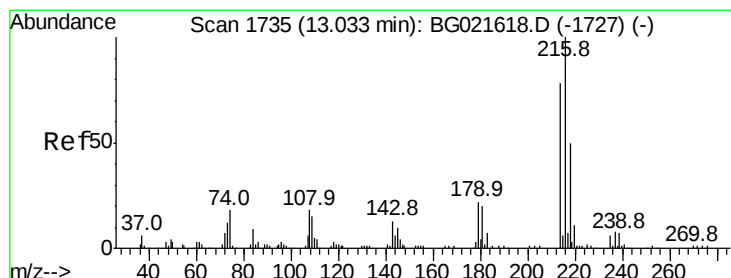
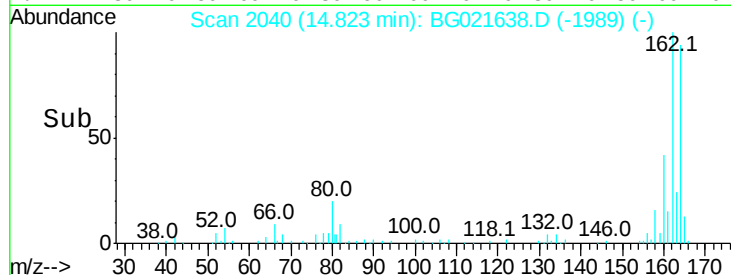
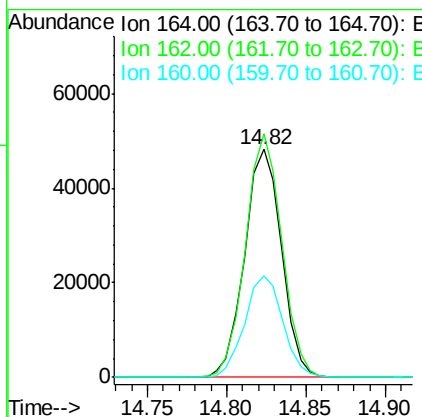
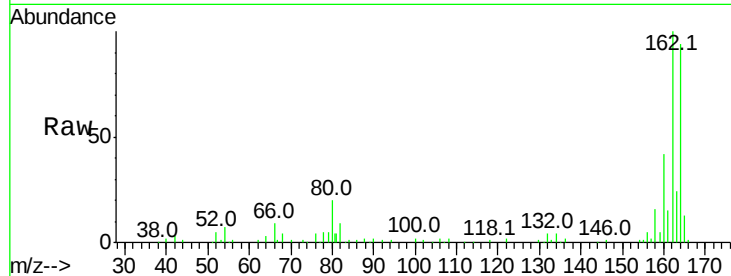
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.7	78.0	117.0
160	44.6	32.9	49.3

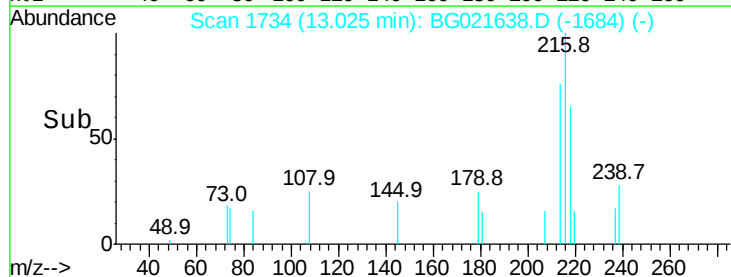
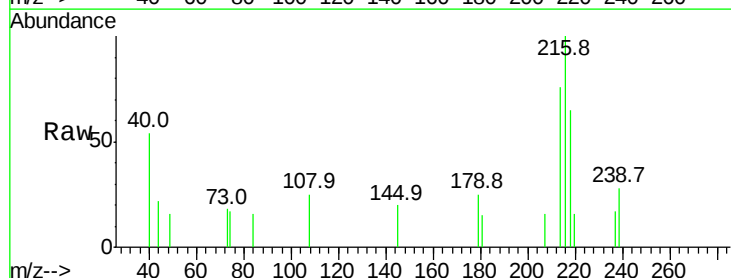
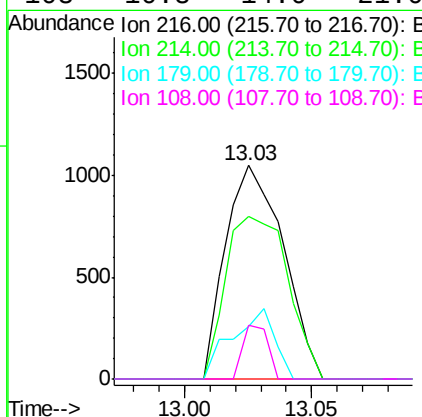
Manual Integrations
APPROVED

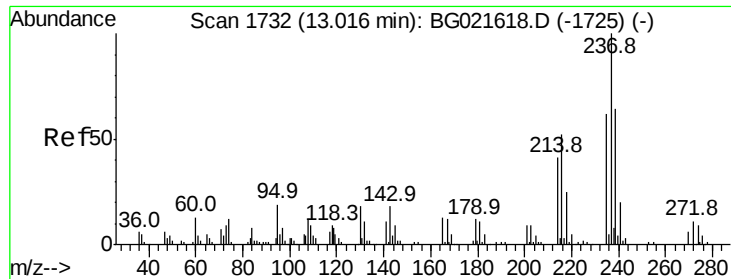
Sohil
4/14/2016 5:30:03 PM



#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.68 ng
RT: 13.03 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
216	100		
214	82.1	62.2	93.2
179	24.4	16.7	25.1
108	10.8	14.0	21.0#





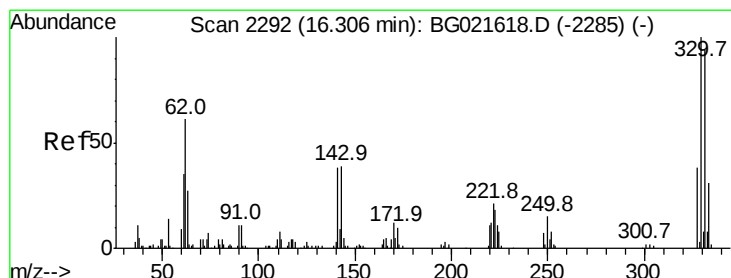
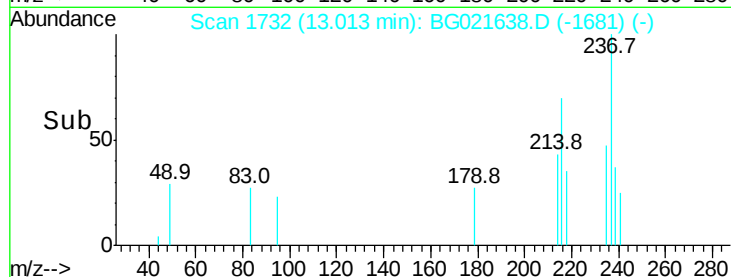
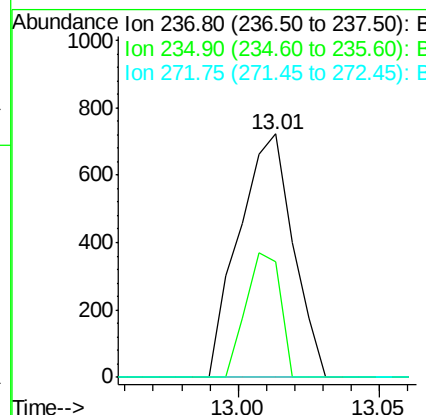
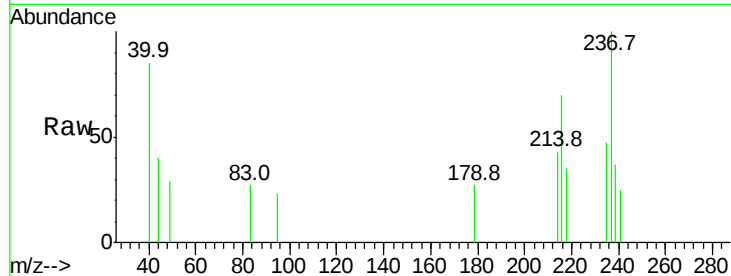
#40
Hexachlorocyclopentadiene
Concen: 0.71 ng
RT: 13.01 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
237	100		
235	47.3	43.2	83.2
272	0.0	0.0	33.4

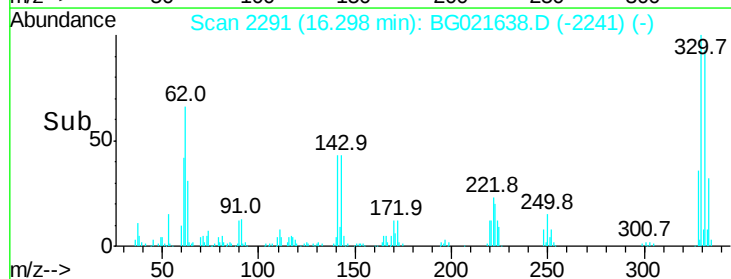
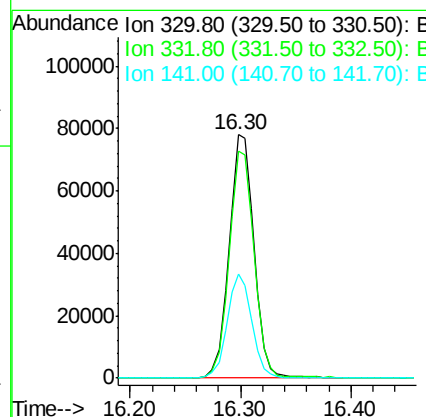
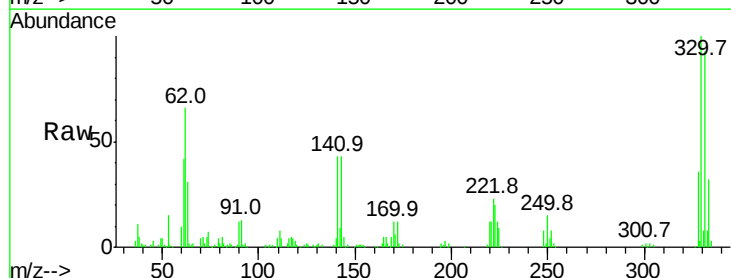
Manual Integrations
APPROVED

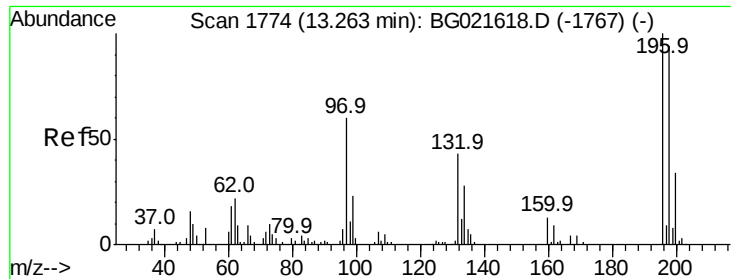
Sohil
4/14/2016 5:30:03 PM



#41
2,4,6-Tribromophenol
Concen: 146.22 ng
RT: 16.30 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	78.0	117.0
141	42.2	33.8	50.8





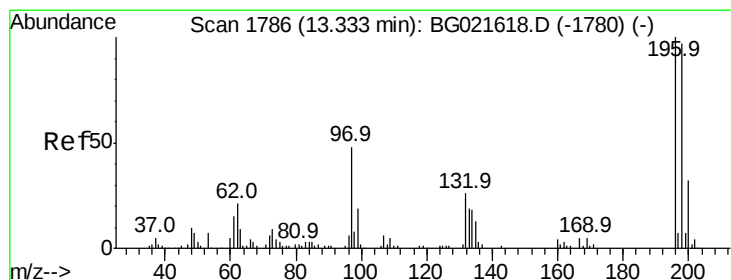
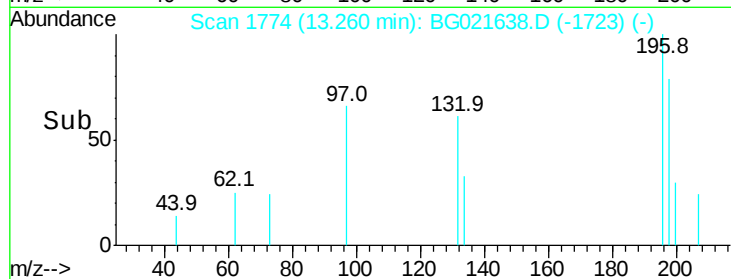
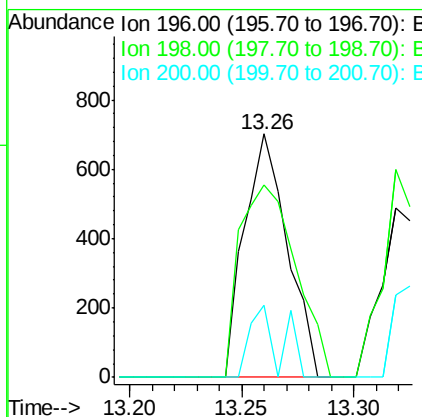
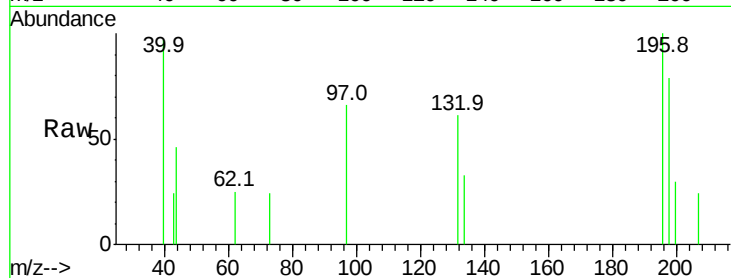
#42
 2,4,6-Trichlorophenol
 Concen: 0.60 ng/mL
 RT: 13.26 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:	196	Resp:	934
Ion Ratio	Lower	Upper	
196	100		
198	78.9	80.1	120.1#
200	29.6	24.1	36.1

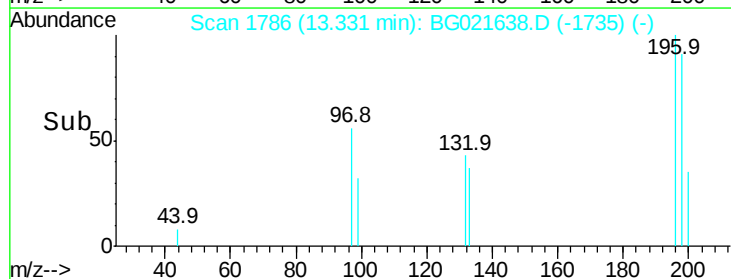
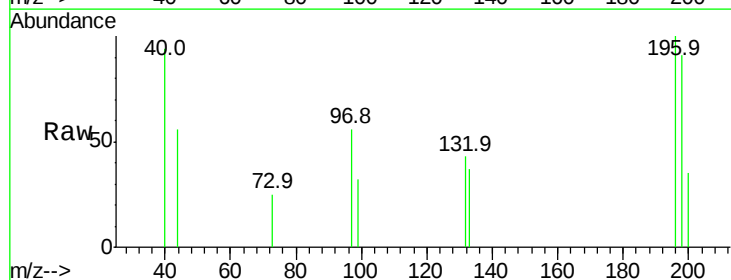
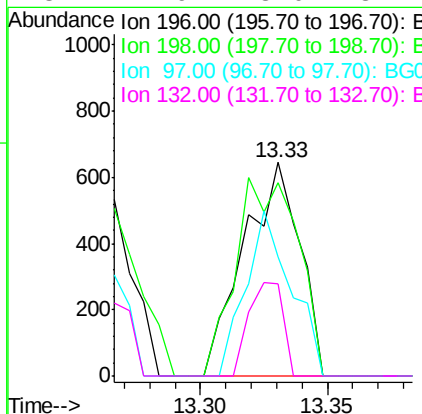
Manual Integrations
 APPROVED

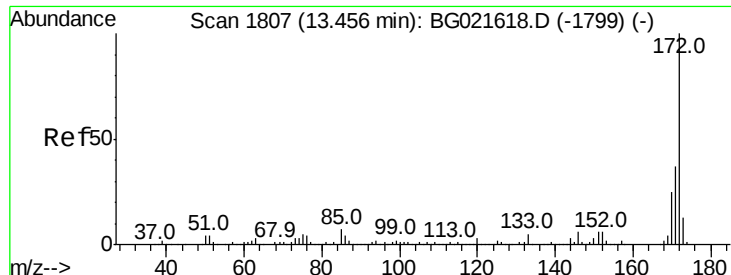
Sohil
 4/14/2016 5:30:03 PM



#43
 2,4,5-Trichlorophenol
 Concen: 0.59 ng/mL
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion:	196	Resp:	993
Ion Ratio	Lower	Upper	
196	100		
198	90.5	78.0	117.0
97	55.5	43.0	64.6
132	42.9	23.0	34.4#





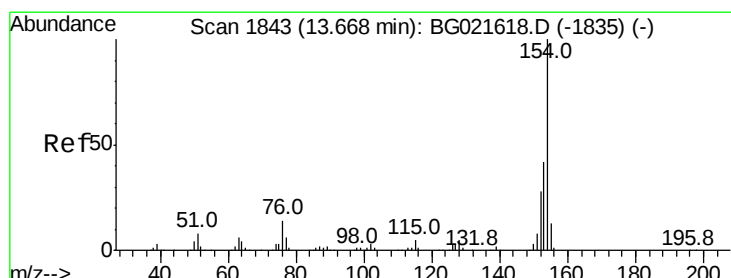
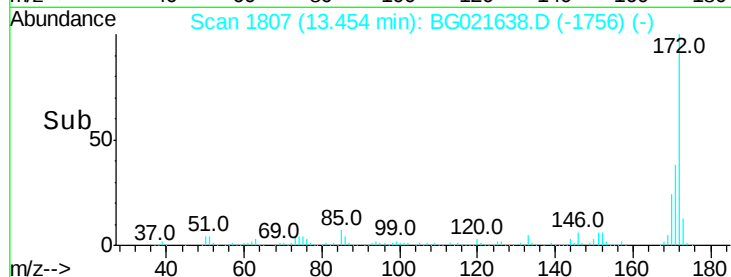
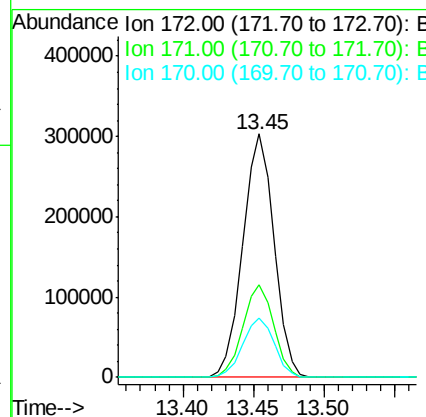
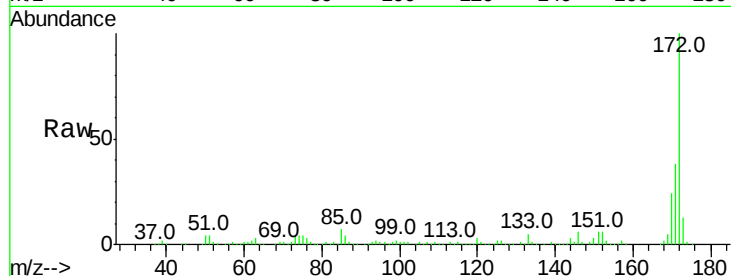
#44
2-Fluorobiphenyl
Concen: 88.02 ng
RT: 13.45 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
172	100	469090		
171	37.8		27.8	41.6
170	24.4		19.6	29.4

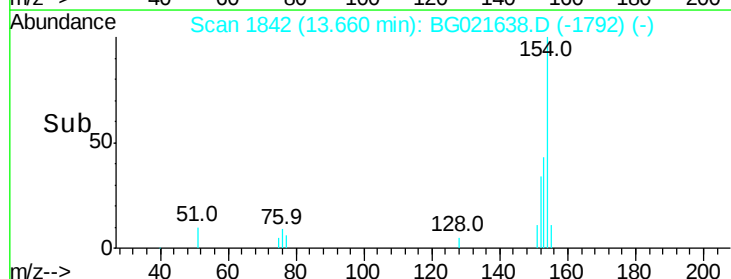
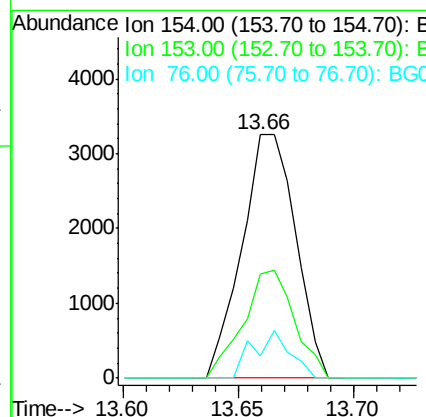
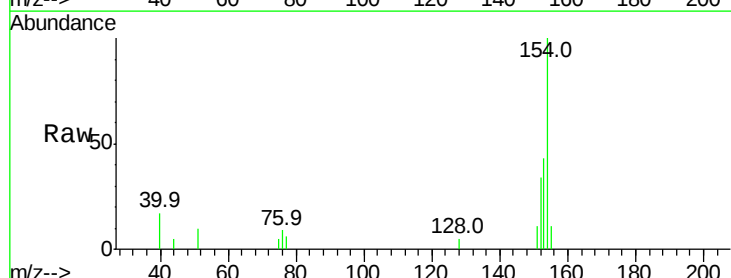
Manual Integrations
APPROVED

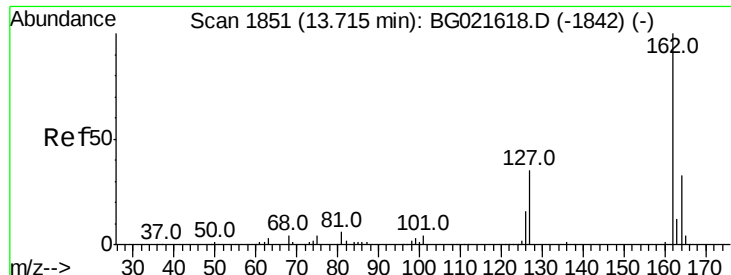
Sohil
4/14/2016 5:30:03 PM



#45
1,1'-Biphenyl
Concen: 0.80 ng
RT: 13.66 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	5272		
153	42.8		19.7	59.7
76	9.3		0.0	33.0





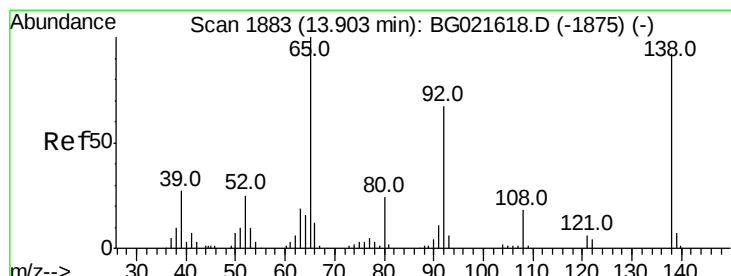
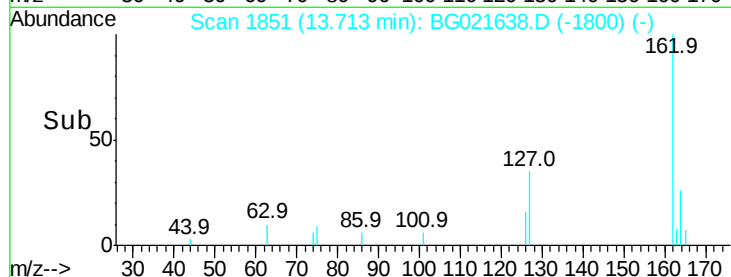
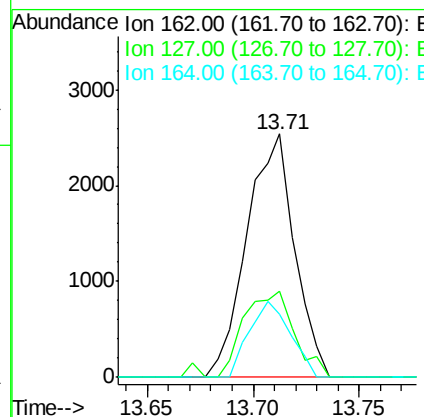
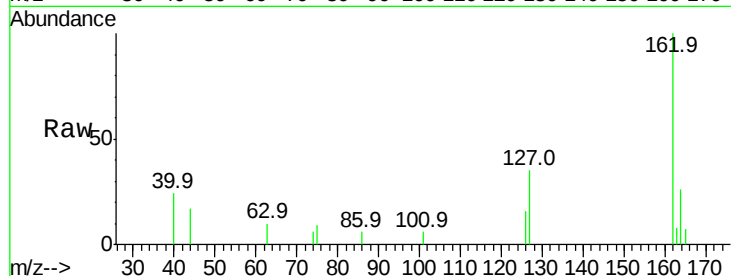
#46
 2-Chloronaphthalene
 Concen: 0.82 ng
 RT: 13.71 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	35.3	32.0	48.0
164	26.1	27.0	40.4#

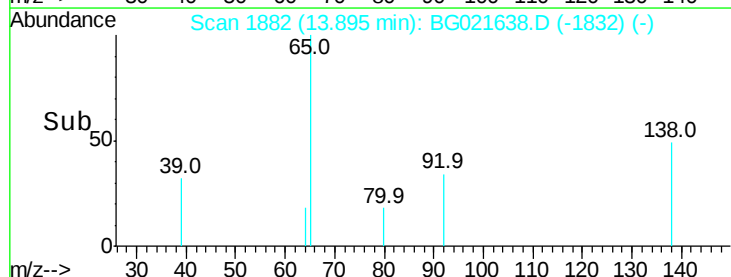
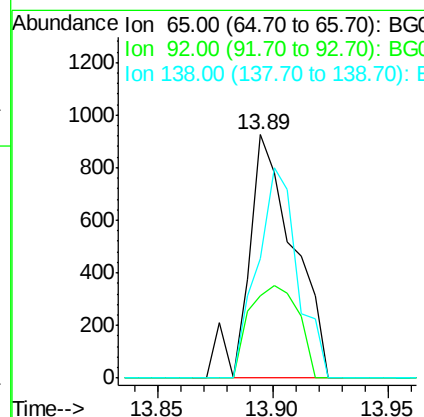
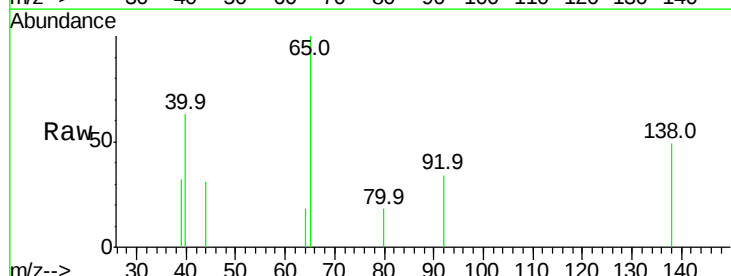
Manual Integrations
 APPROVED

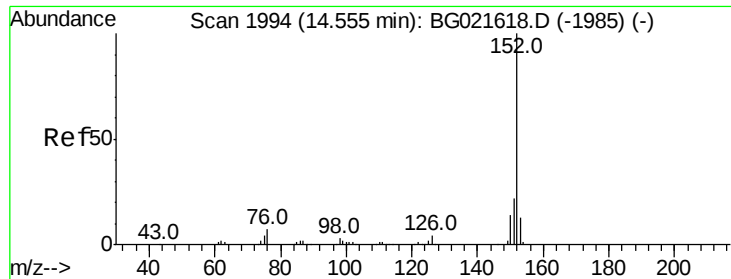
Sohil
 4/14/2016 5:30:03 PM



#47
 2-Nitroaniline
 Concen: 0.76 ng
 RT: 13.89 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	33.8	49.2	73.8#
138	48.9	75.0	112.6#





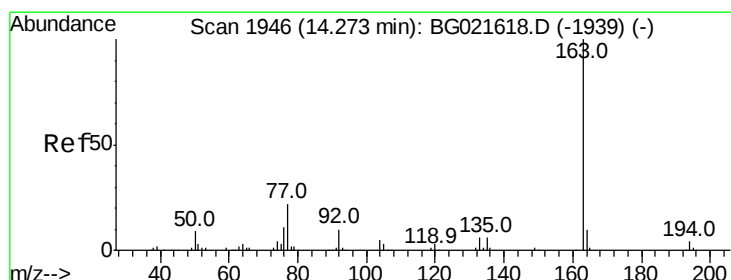
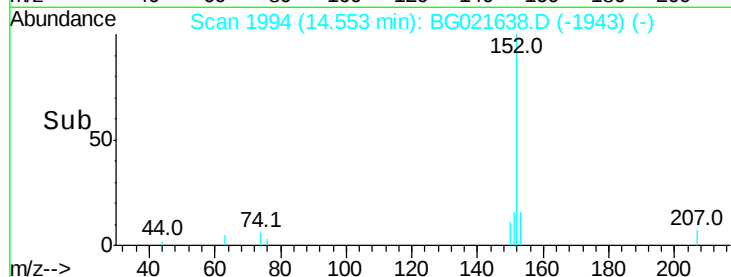
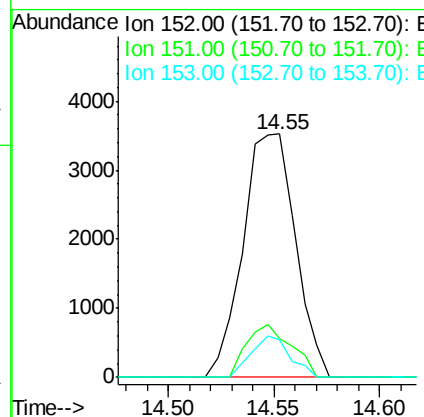
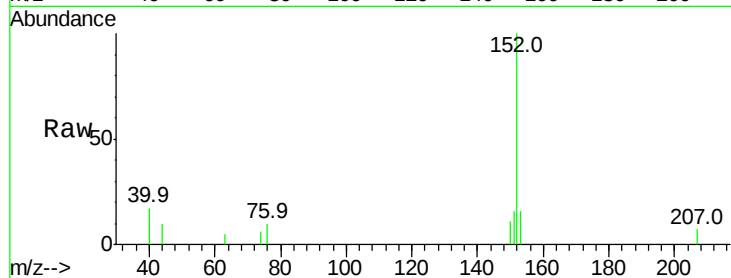
#48
Acenaphthylene
Concen: 0.76 ng
RT: 14.55 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	16.0	16.6	24.8#
153	15.6	10.2	15.2#

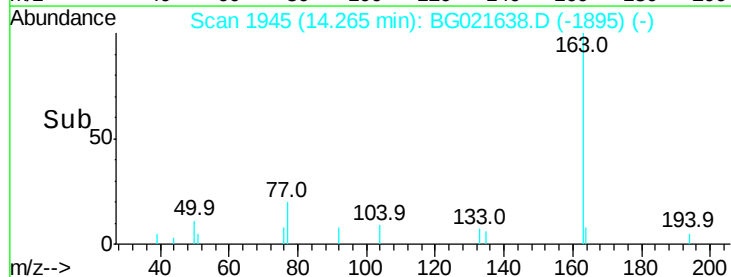
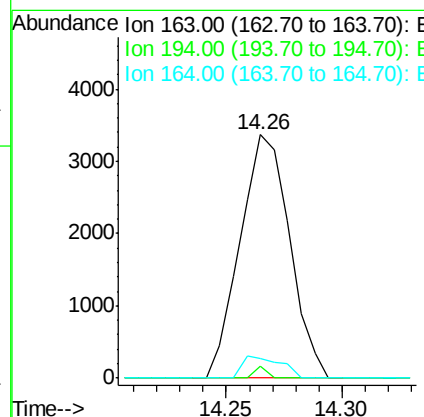
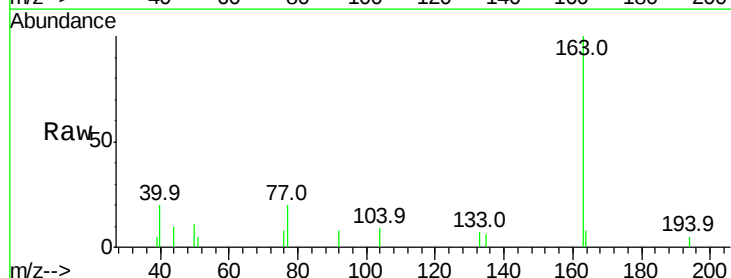
Manual Integrations
APPROVED

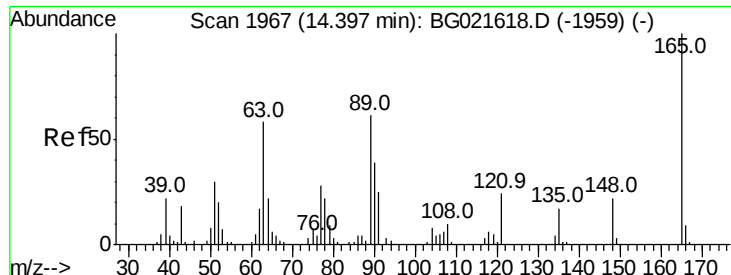
Sohil
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#49
Dimethylphthalate
Concen: 0.74 ng
RT: 14.26 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.0	4.6#
164	7.8	8.1	12.1#





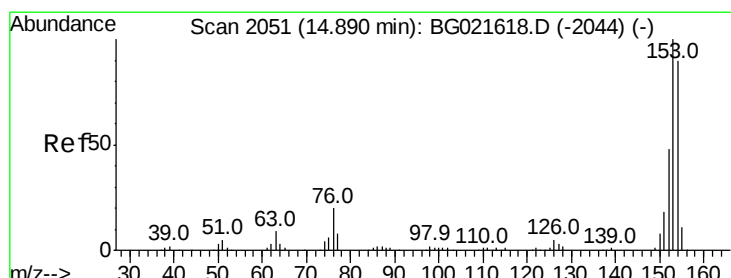
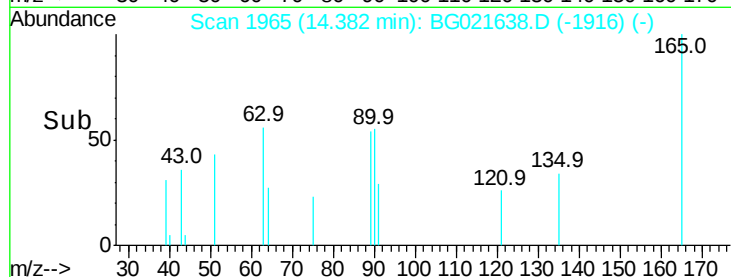
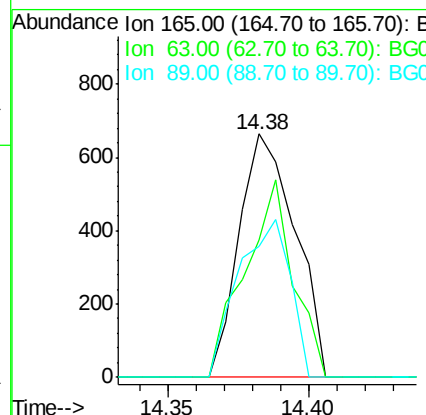
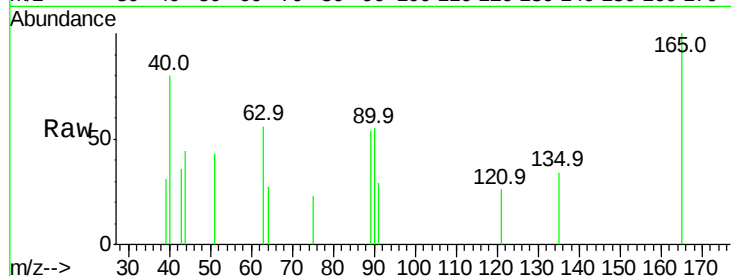
#50
 2,6-Dinitrotoluene
 Concen: 0.71 ng
 RT: 14.38 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
165	100	912		
63	56.5	48.2	72.4	
89	53.6	45.3	67.9	

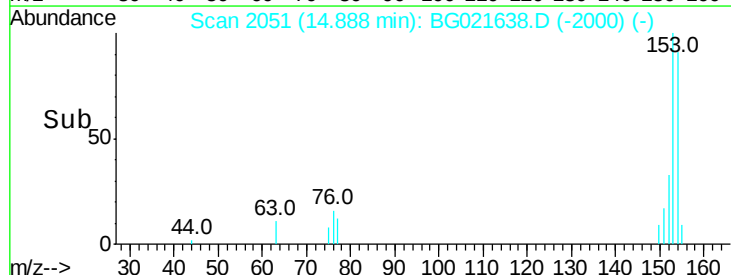
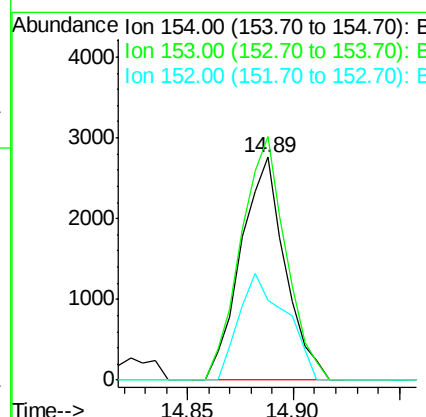
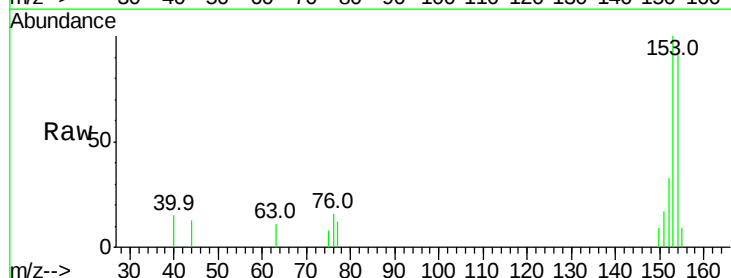
Manual Integrations
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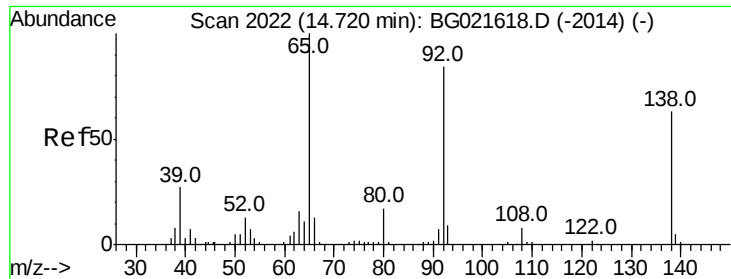
Sohil
 4/14/2016 5:30:03 PM



#51
 Acenaphthene
 Concen: 0.78 ng
 RT: 14.89 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	4025		
153	109.4	91.9	137.9	
152	35.8	42.0	63.0#	





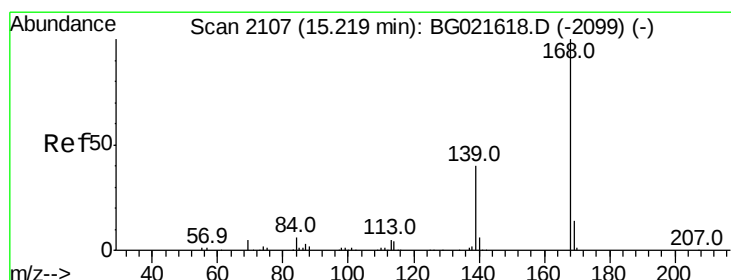
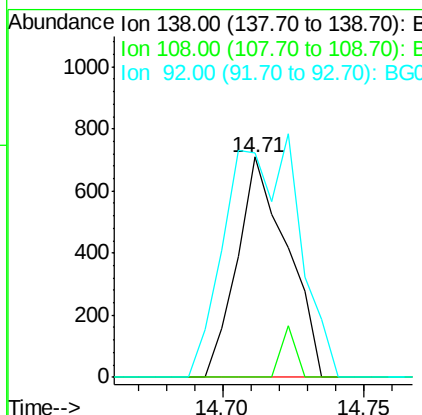
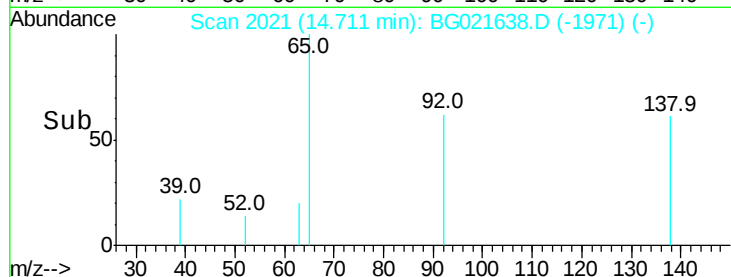
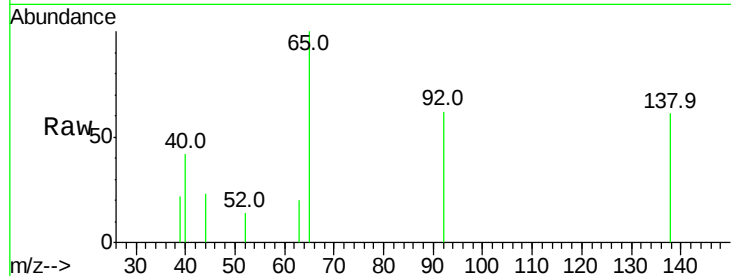
#52
3-Nitroaniline
Concen: 0.61 ng
RT: 14.71 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
138	100		
108	0.0	9.1	13.7#
92	101.7	102.6	154.0#

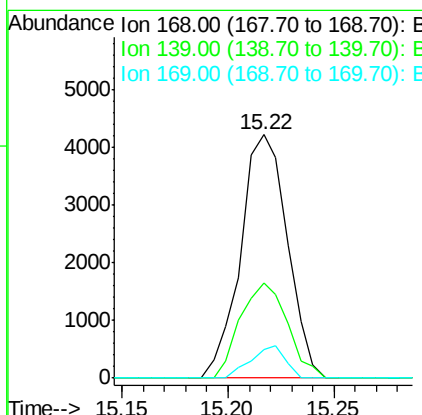
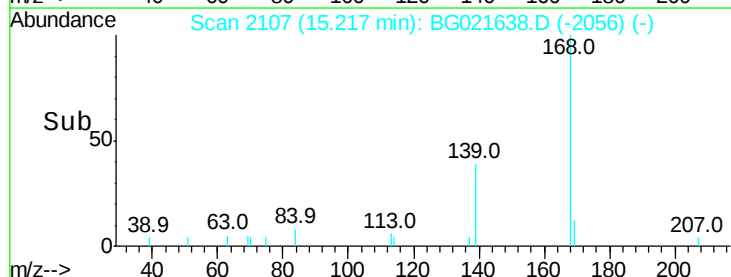
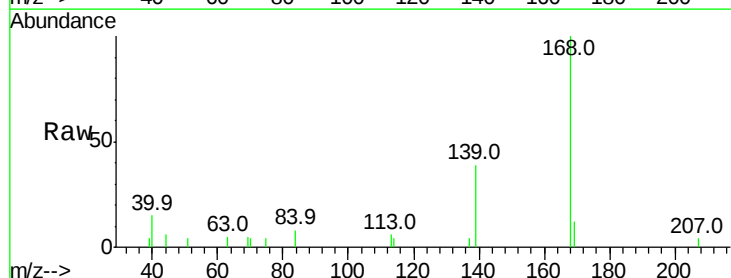
Manual Integrations
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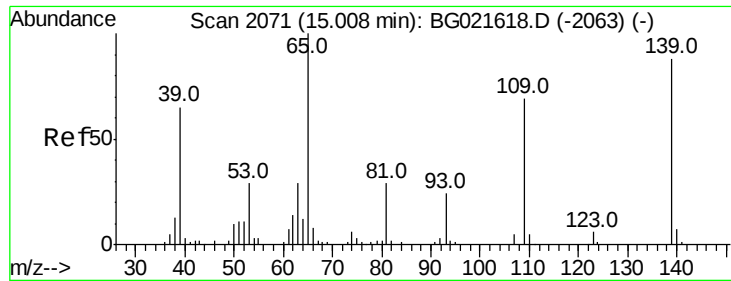
Sohil
4/14/2016 5:30:03 PM



#54
Dibenzofuran
Concen: 0.92 ng
RT: 15.22 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.1	46.7
169	11.9	11.0	16.6





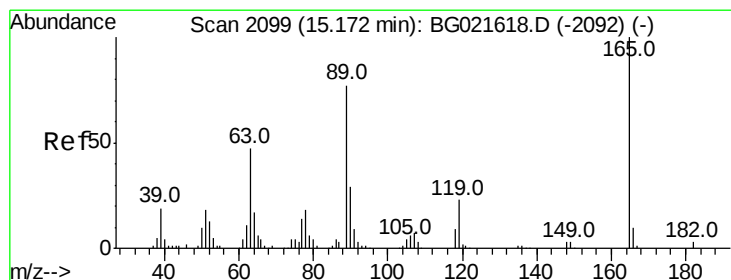
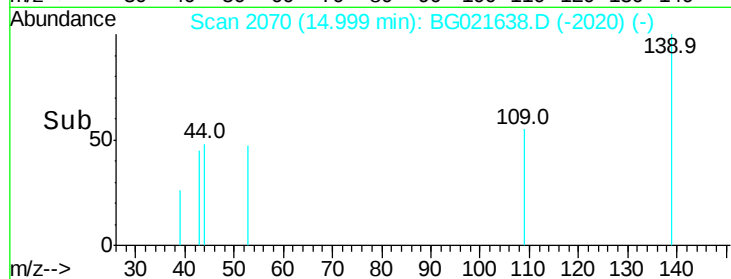
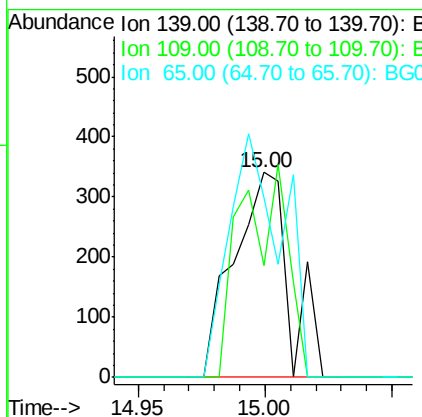
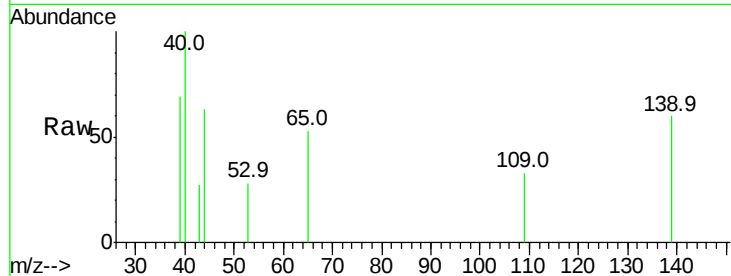
#55
 4-Nitrophenol
 Concen: 0.42 ng
 RT: 15.00 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	54.5	49.2	89.2	
65	87.4	83.2	123.2	

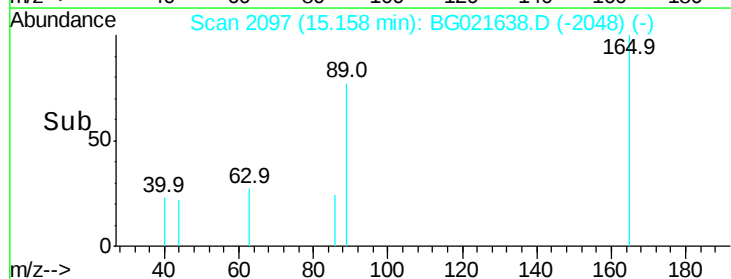
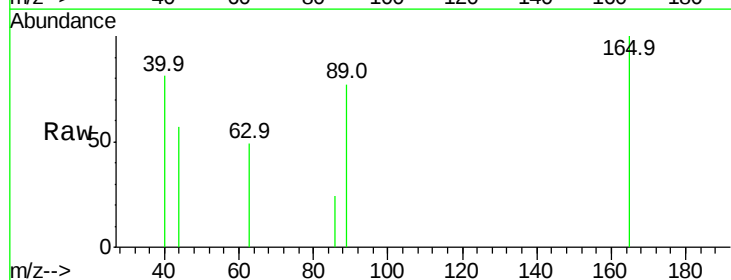
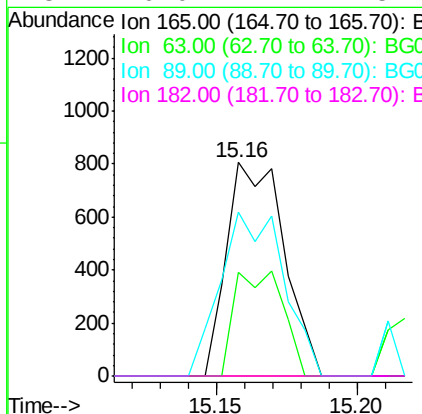
Manual Integrations
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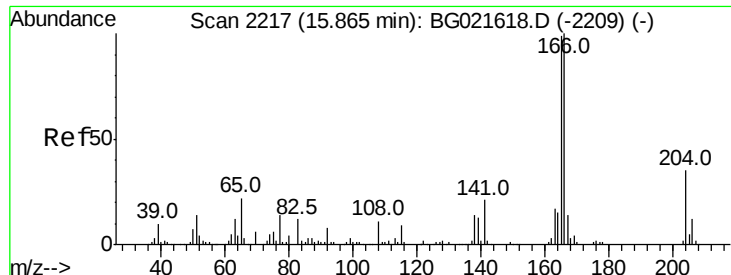
Sohil
 4/14/2016 5:30:03 PM



#56
 2,4-Dinitrotoluene
 Concen: 0.65 ng
 RT: 15.16 min Scan# 2097
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	48.9	37.4	56.0	
89	76.9	59.4	89.0	
182	0.0	2.1	3.1#	





#57

Fluorene

Concen: 0.87 ng

RT: 15.86 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:166 Resp: 5440

Ion Ratio Lower Upper

166 100

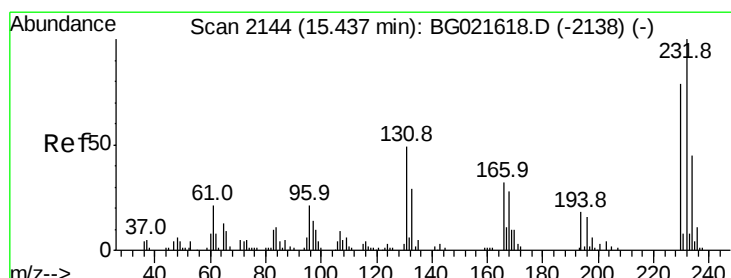
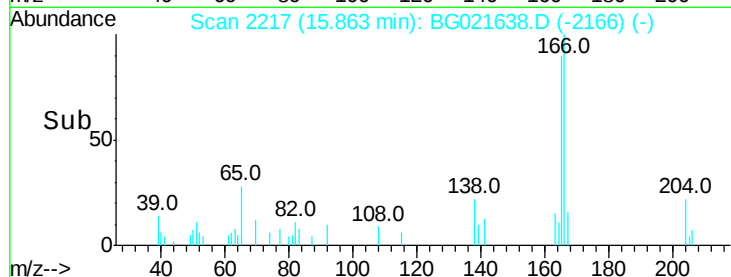
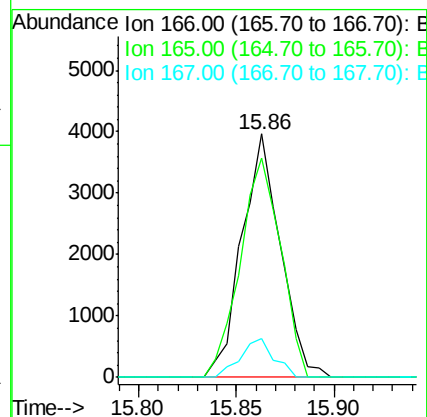
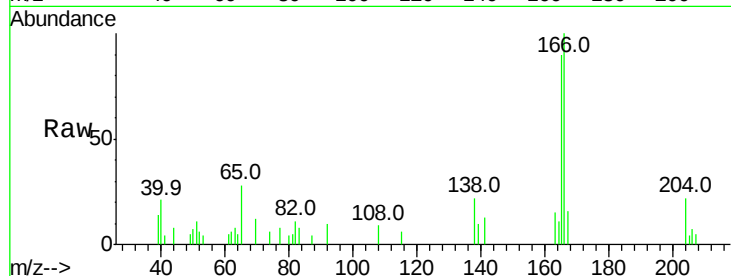
165 90.1 79.0 118.4

167 15.9 10.7 16.1

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#58

2,3,4,6-Tetrachlorophenol

Concen: 0.62 ng

RT: 15.44 min Scan# 2145

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:232 Resp: 865

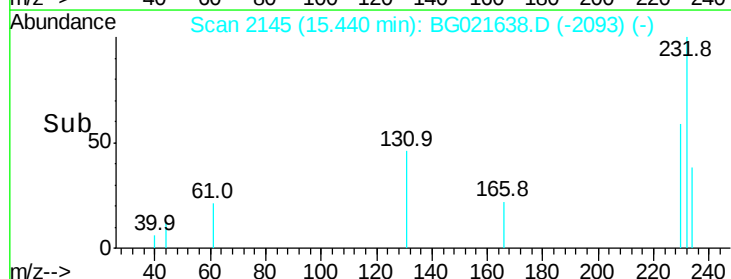
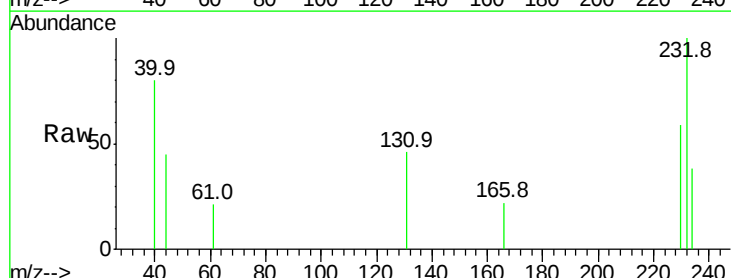
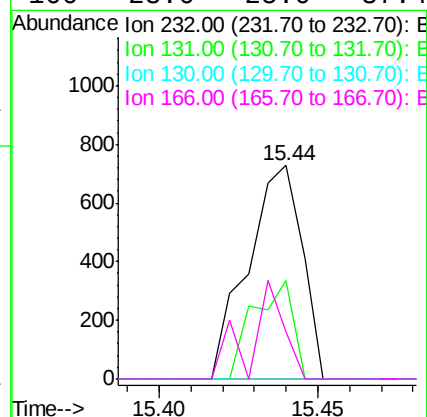
Ion Ratio Lower Upper

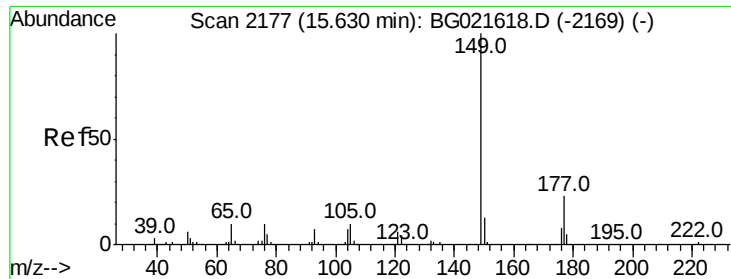
232 100

131 33.3 36.3 54.5#

130 0.0 1.9 2.9#

166 28.6 25.0 37.4





#59

Diethylphthalate

Concen: 0.78 ng

RT: 15.62 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

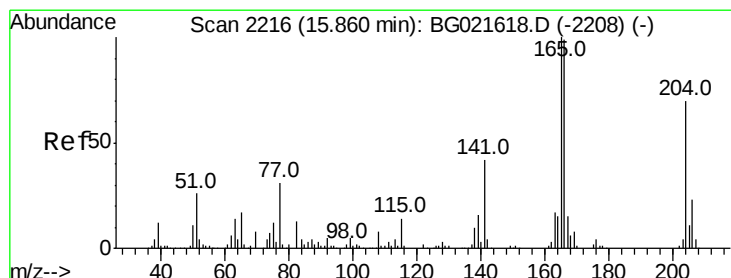
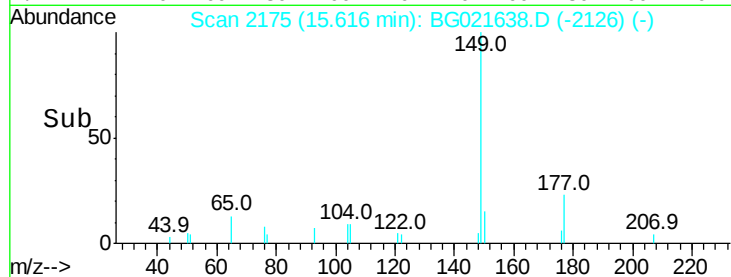
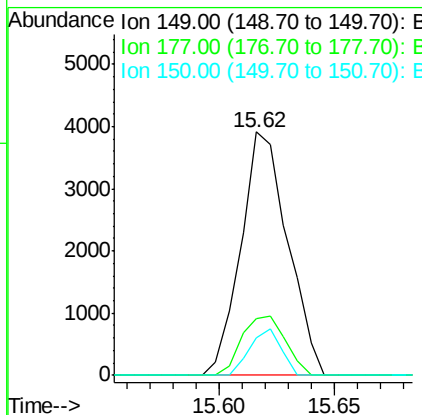
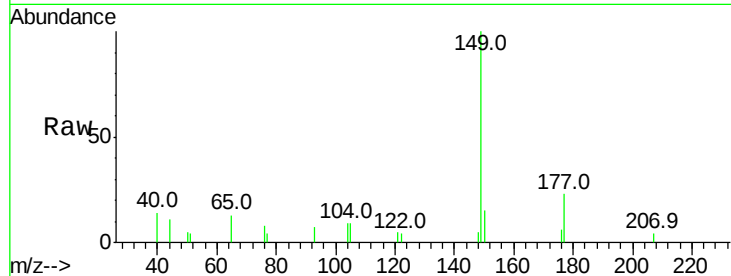
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	149	Resp:	5528
Ion Ratio	Lower	Upper	
149	100		
177	23.2	17.3	25.9
150	15.5	9.7	14.5#

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#60

4-Chlorophenyl-phenylether

Concen: 0.84 ng

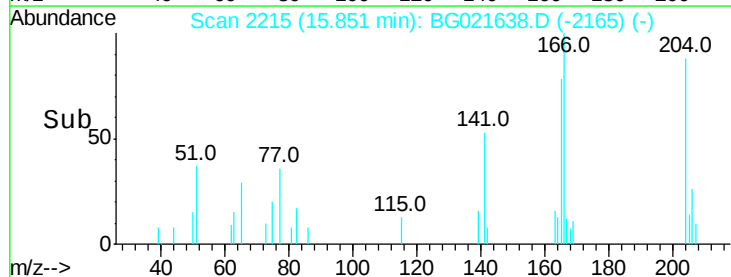
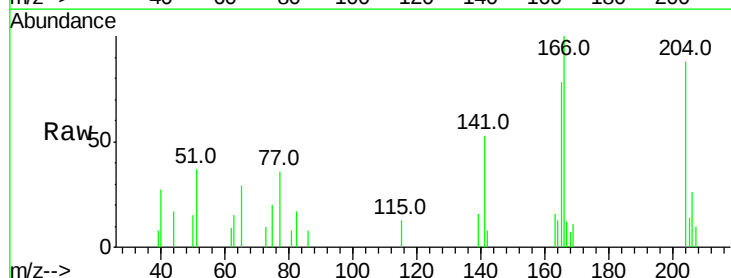
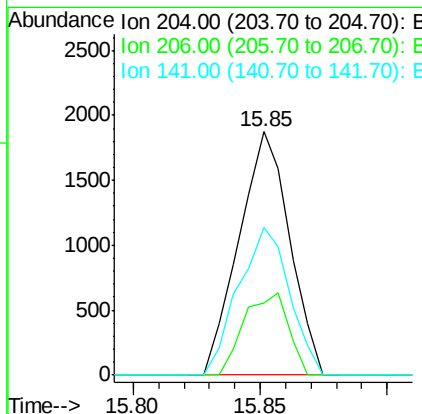
RT: 15.85 min Scan# 2215

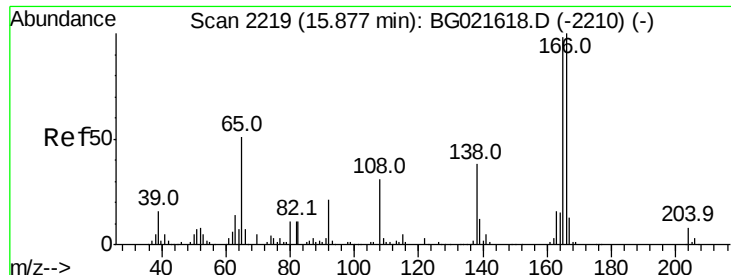
Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	204	Resp:	2603
Ion Ratio	Lower	Upper	
204	100		
206	29.7	27.8	41.8
141	60.7	51.0	76.4





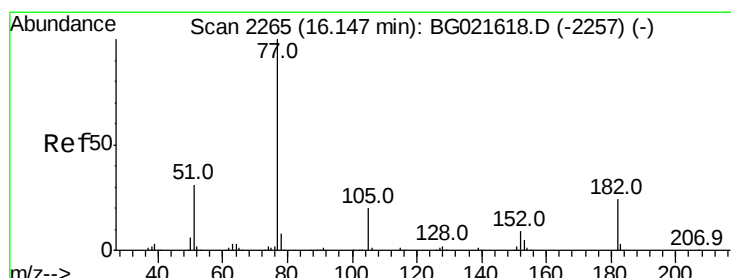
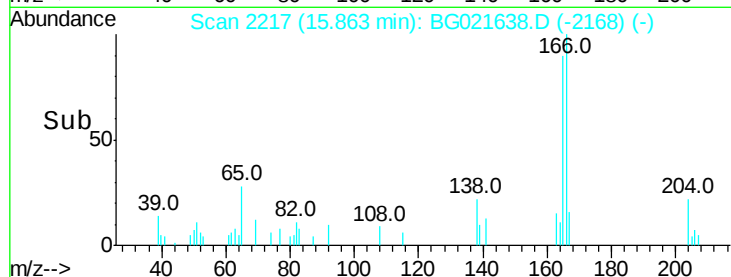
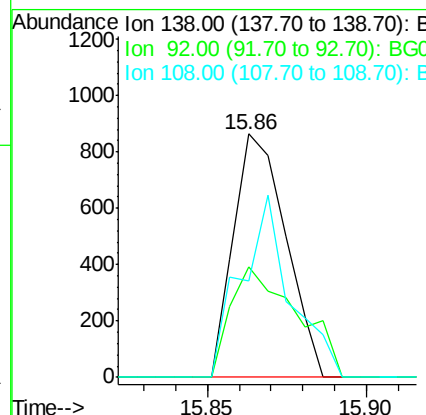
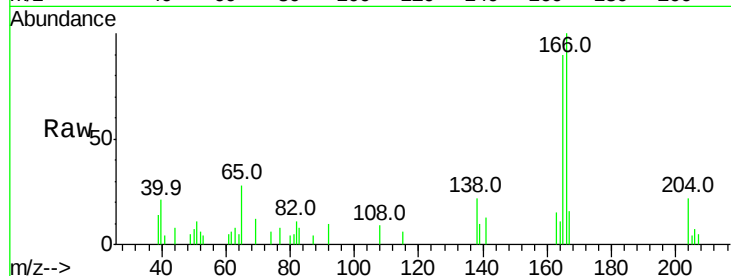
#61
 4-Nitroaniline
 Concen: 0.63 ng
 RT: 15.86 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:	138	Resp:	983
Ion Ratio	Lower	Upper	
138	100		
92	45.5	37.7	77.7
108	39.5	59.4	99.4#

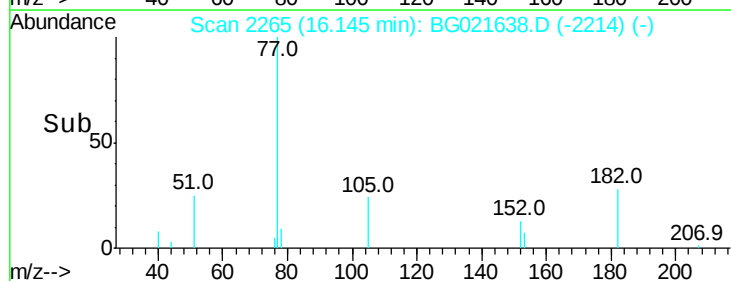
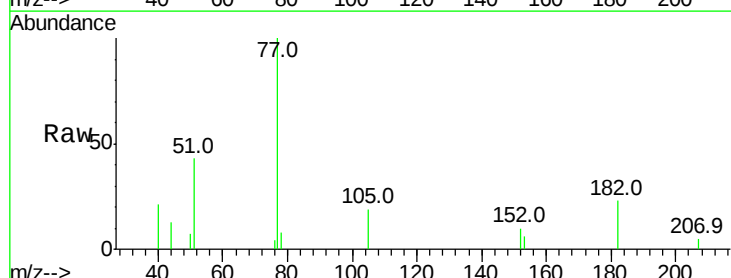
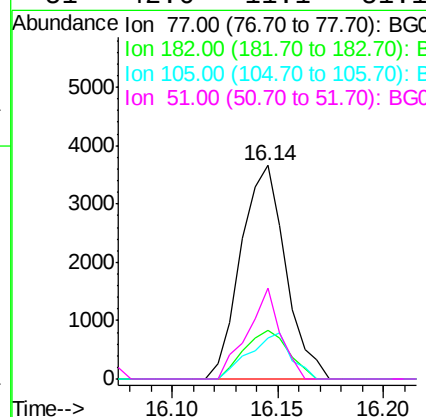
Manual Integrations
 APPROVED

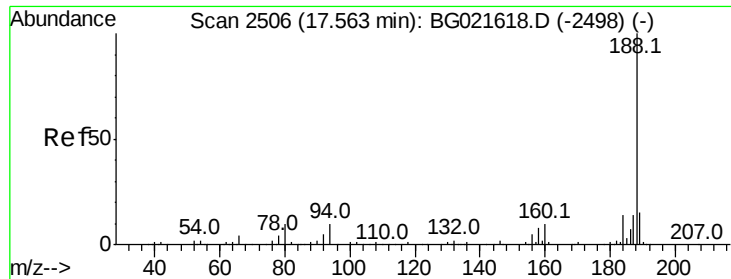
Sohil
 4/14/2016 5:30:03 PM



#62
 Azobenzene
 Concen: 0.89 ng
 RT: 16.14 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion:	77	Resp:	5368
Ion Ratio	Lower	Upper	
77	100		
182	22.5	4.1	44.1
105	19.2	0.0	39.8
51	42.6	11.1	51.1





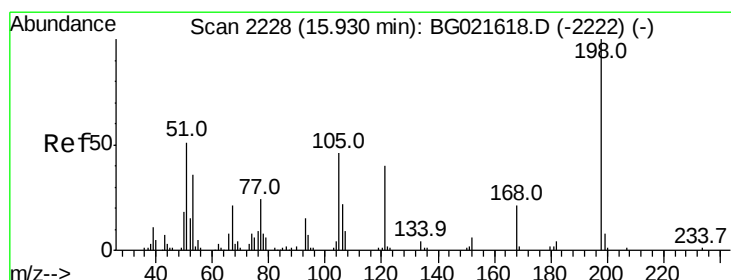
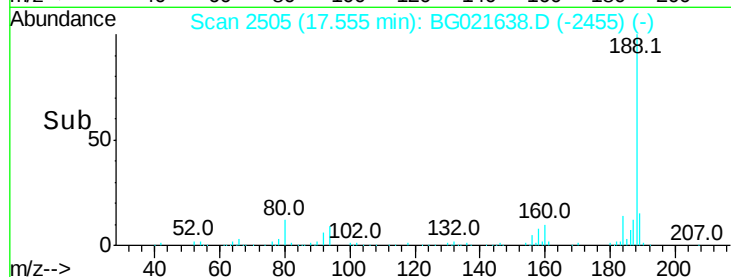
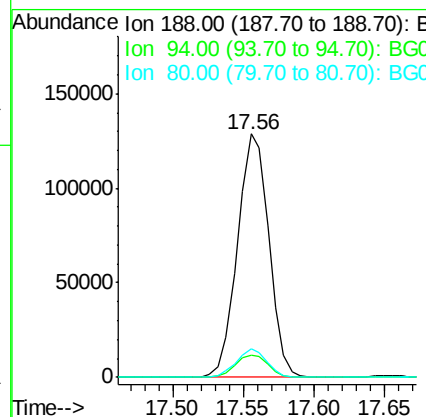
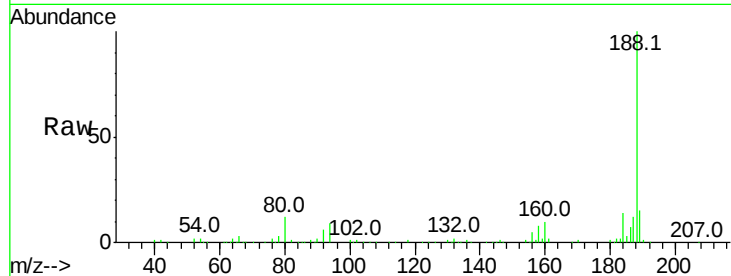
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	7.5	11.3
80	11.8	8.6	13.0

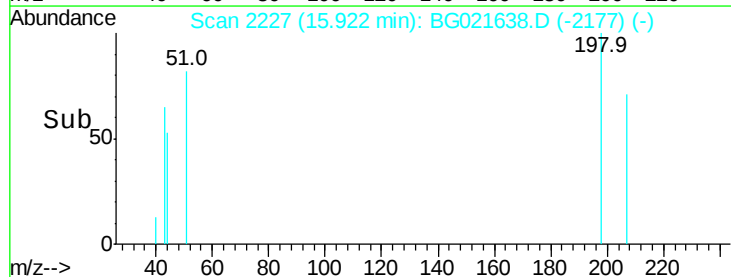
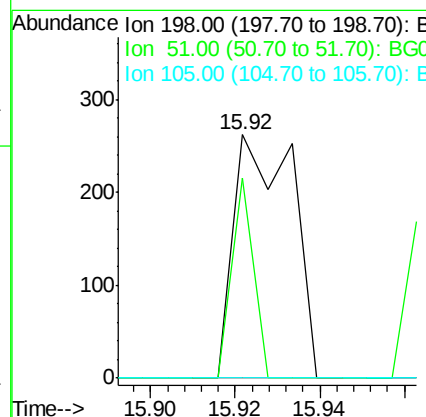
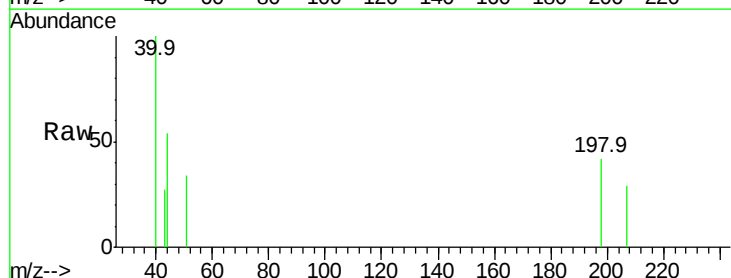
Manual Integrations
 APPROVED

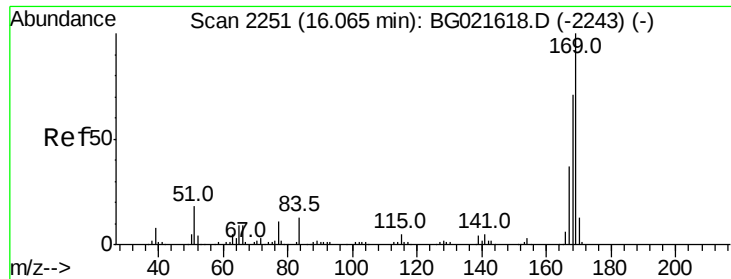
Sohil
 4/14/2016 5:30:03 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.67 ng
 RT: 15.92 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	82.1	29.2	69.2#
105	0.0	24.0	64.0#





#65

n-Nitrosodiphenylamine

Concen: 0.72 ng

RT: 16.06 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

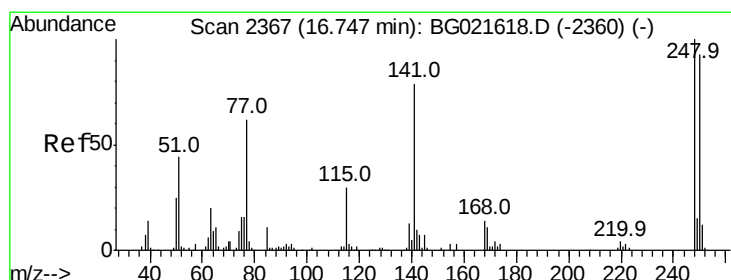
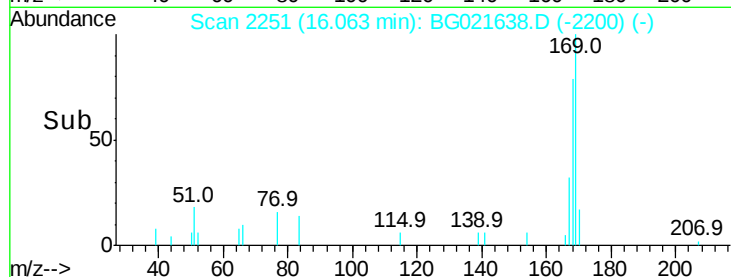
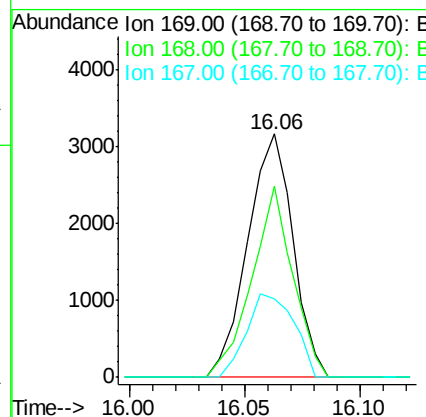
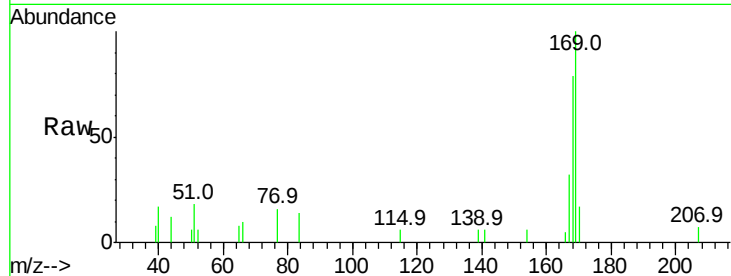
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	169	Resp:	4323
Ion Ratio	Lower	Upper	
169	100		
168	78.7	59.6	89.4
167	32.4	31.2	46.8

Manual Integrations
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Sohil
4/14/2016 5:30:03 PM



#66

4-Bromophenyl-phenylether

Concen: 0.77 ng

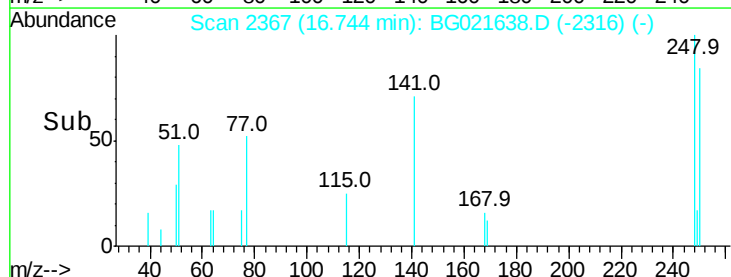
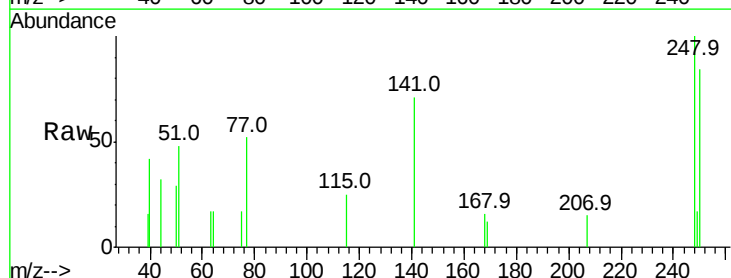
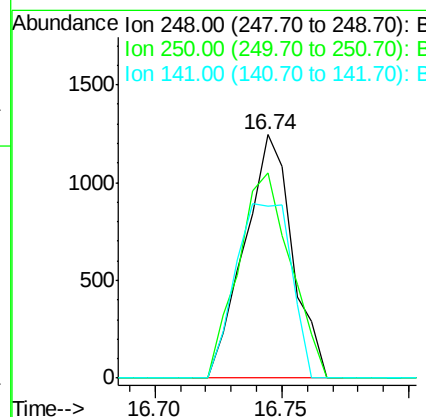
RT: 16.74 min Scan# 2367

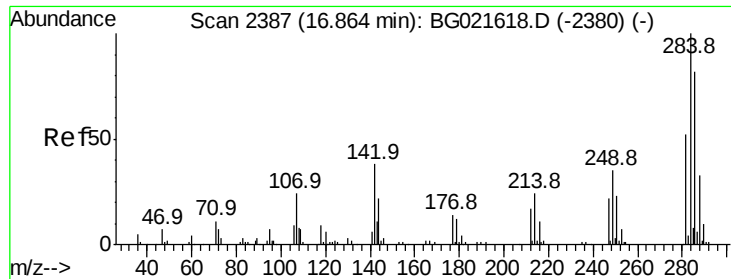
Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	248	Resp:	1641
Ion Ratio	Lower	Upper	
248	100		
250	84.4	76.6	114.8
141	70.5	63.8	95.6





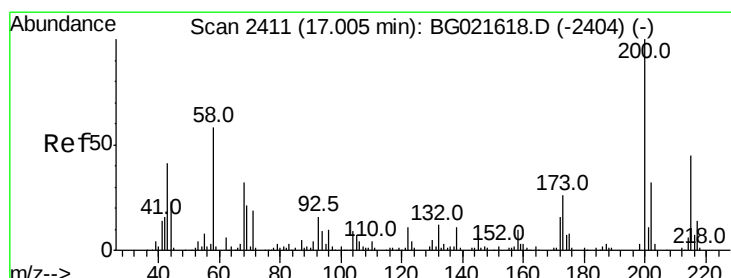
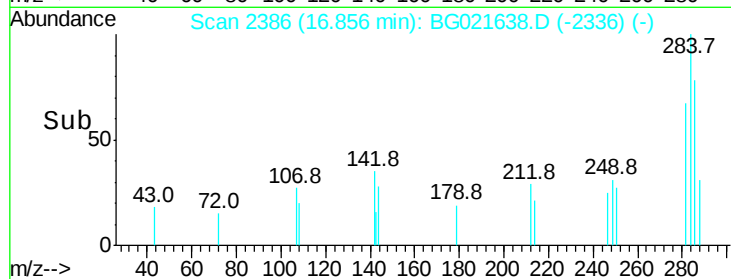
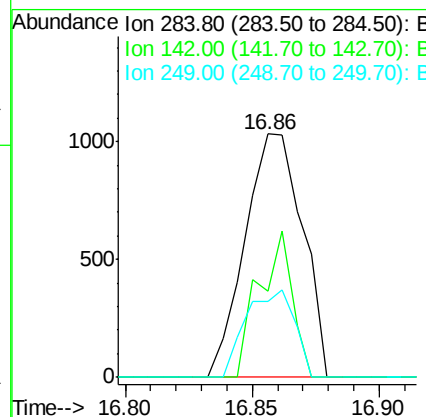
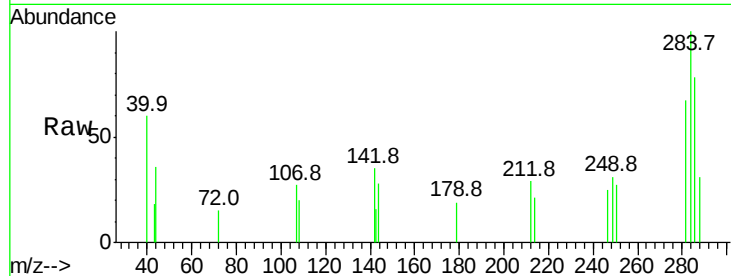
#67
Hexachlorobenzene
Concen: 0.72 ng
RT: 16.86 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
284	100	1631		
142	35.4	31.8	47.6	
249	31.3	27.3	40.9	

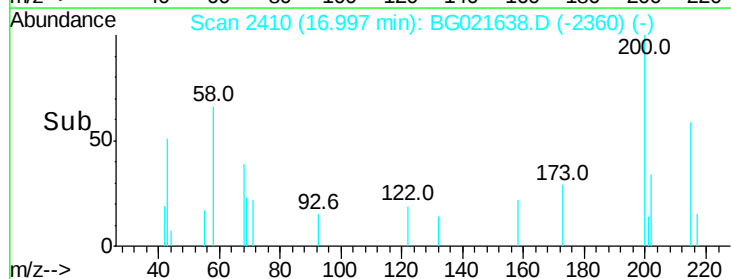
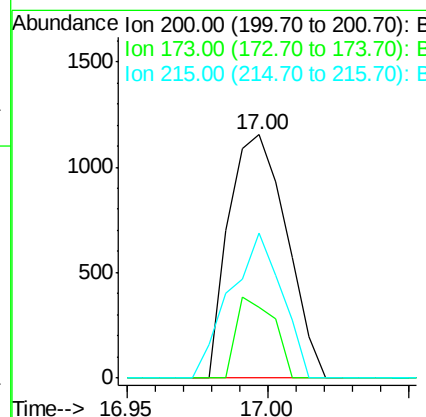
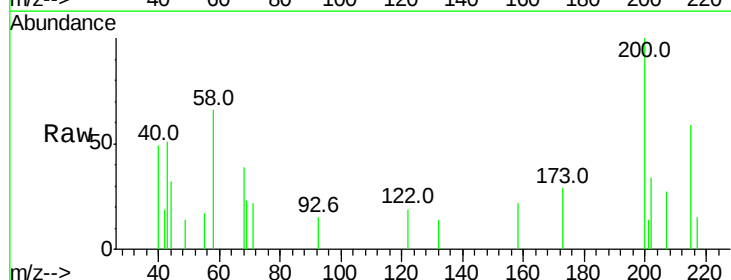
Manual Integrations
APPROVED

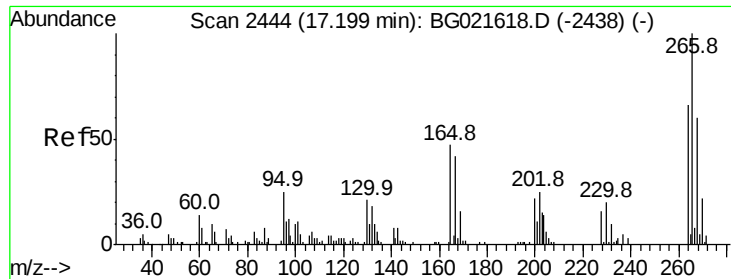
Sohil
4/14/2016 5:30:03 PM



#68
Atrazine
Concen: 0.69 ng
RT: 17.00 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	1638		
173	28.9	5.1	45.1	
215	59.4	28.0	68.0	





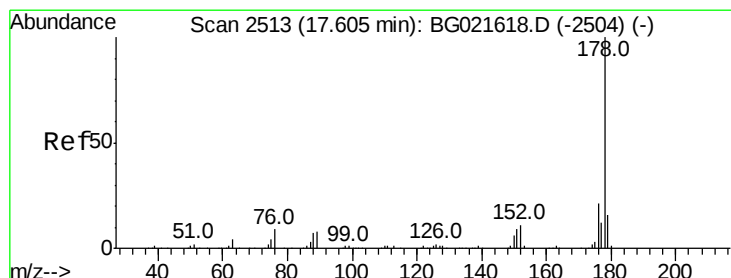
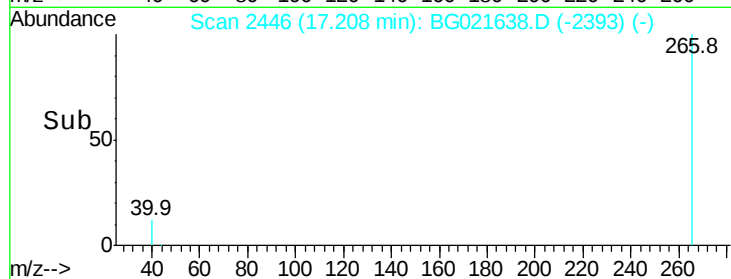
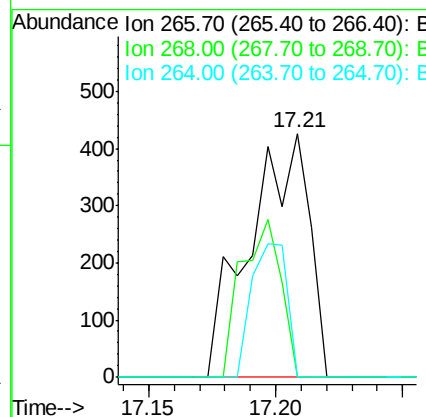
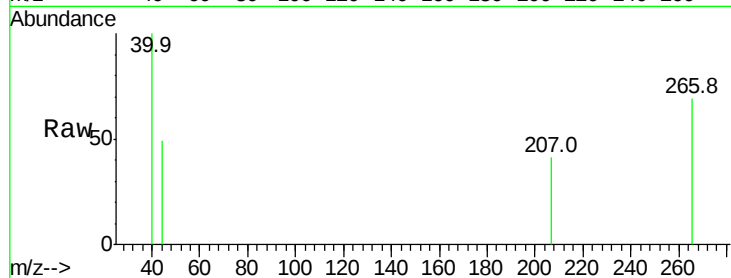
#69
 Pentachlorophenol
 Concen: 0.55 ng
 RT: 17.21 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	54.5	81.7#
264	0.0	53.8	80.6#

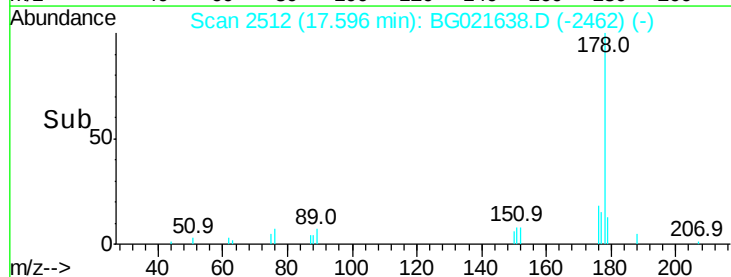
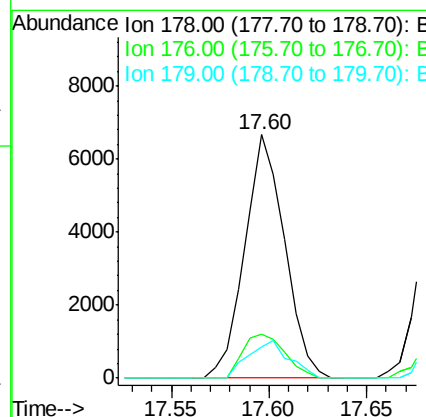
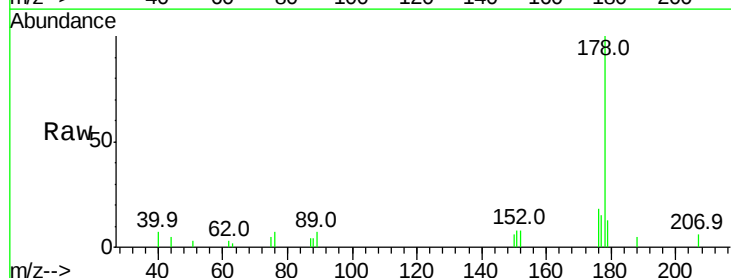
Manual Integrations
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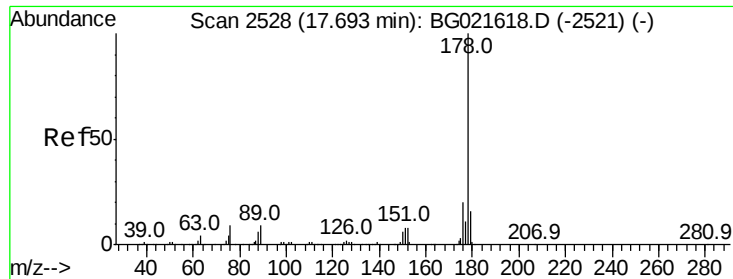
Sohil
 4/14/2016 5:30:03 PM



#70
 Phenanthrene
 Concen: 0.86 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.2	24.4
179	12.8	12.0	18.0





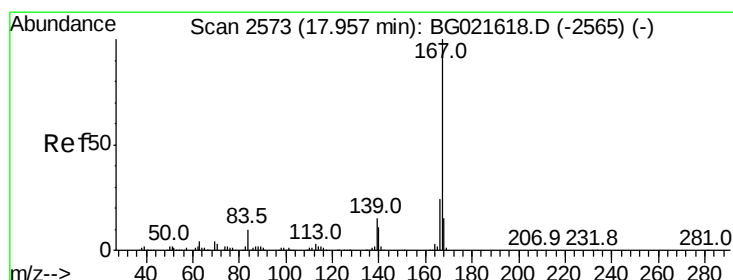
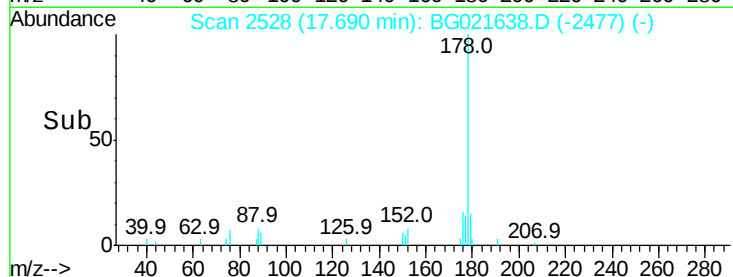
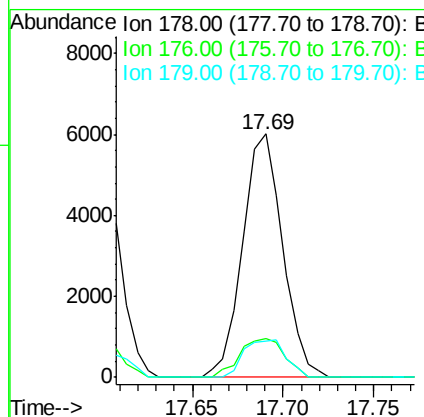
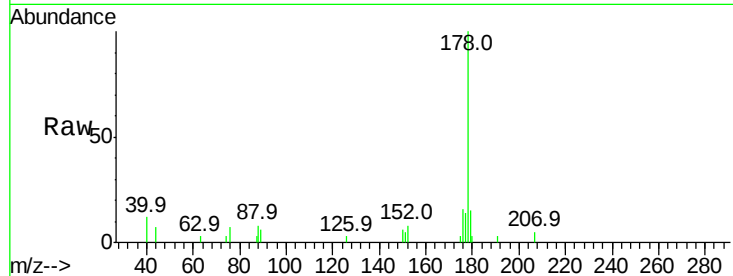
#71
 Anthracene
 Concen: 0.83 ng
 RT: 17.69 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.8	15.0	22.4
179	14.6	12.2	18.4

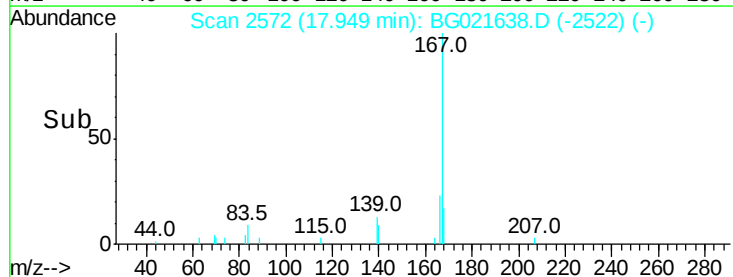
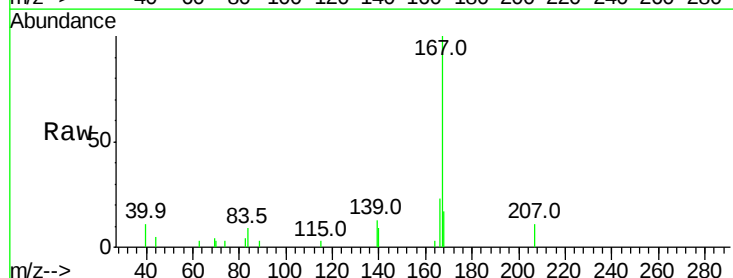
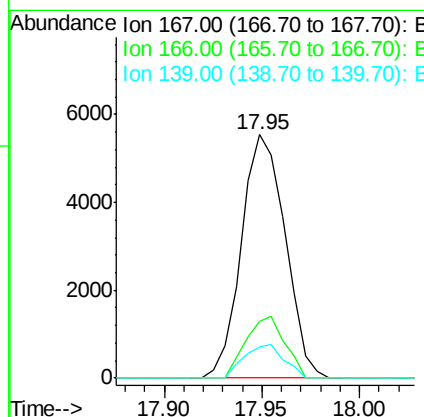
Manual Integrations
 APPROVED

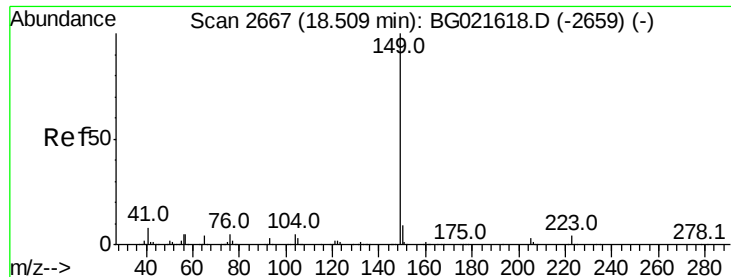
Sohil
 4/14/2016 5:30:03 PM



#72
 Carbazole
 Concen: 0.83 ng
 RT: 17.95 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.6	27.8
139	12.6	10.6	15.8





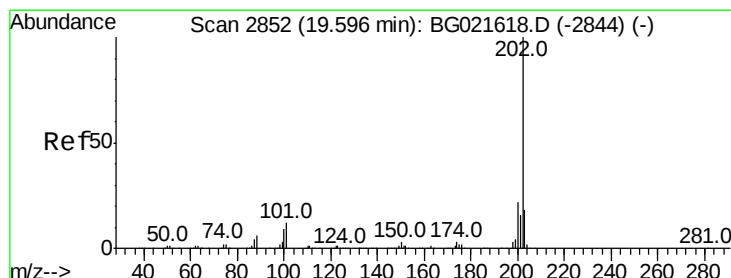
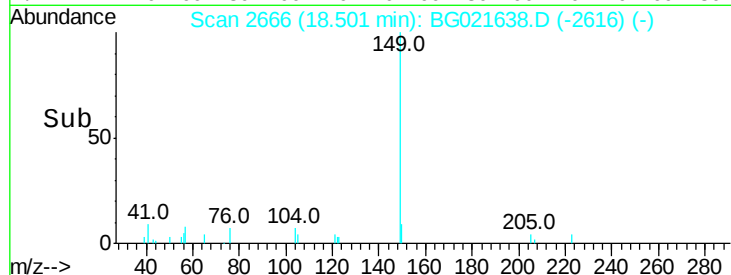
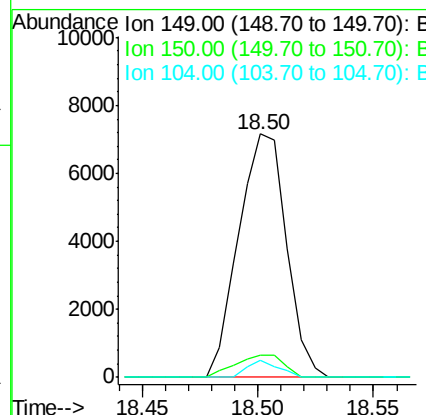
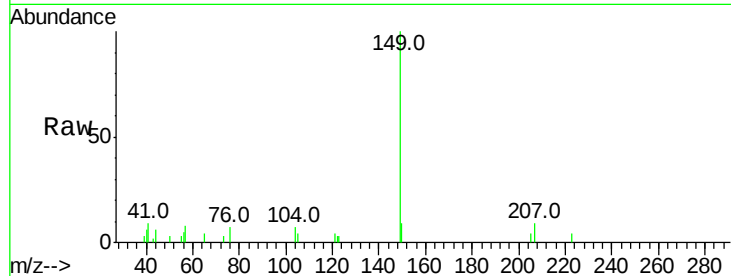
#73
Di-n-butylphthalate
Concen: 0.78 ng
RT: 18.50 min Scan# 2666
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.4	7.4	11.0
104	6.8	4.0	6.0

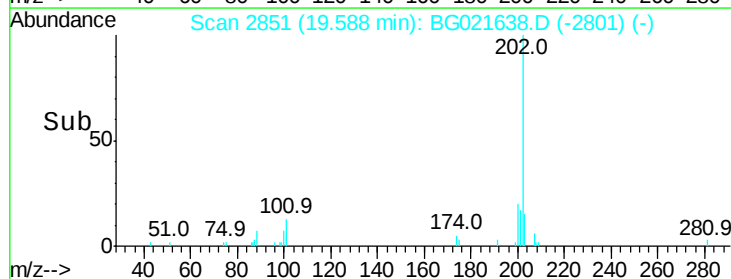
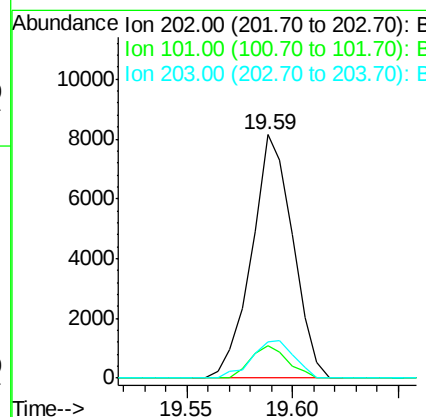
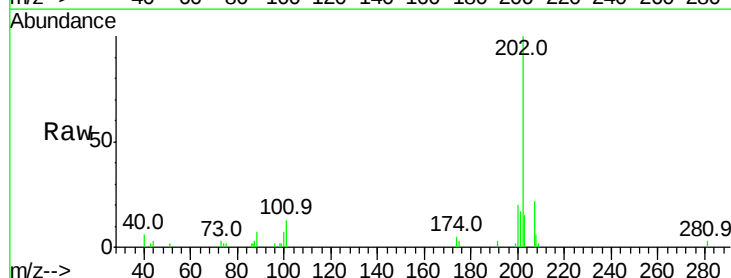
Manual Integrations
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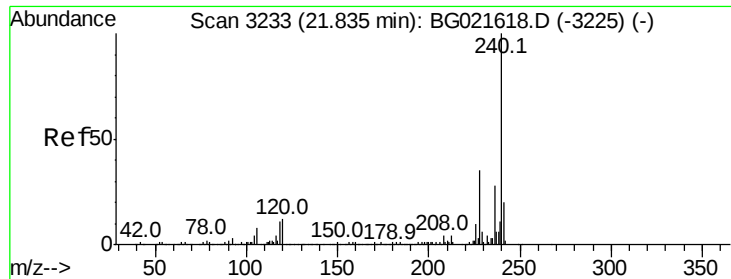
Sohil
4/14/2016 5:30:03 PM



#74
Fluoranthene
Concen: 0.84 ng
RT: 19.59 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	31.0
203	14.9	0.0	37.9





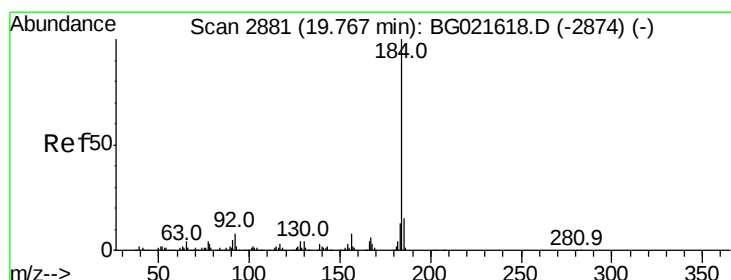
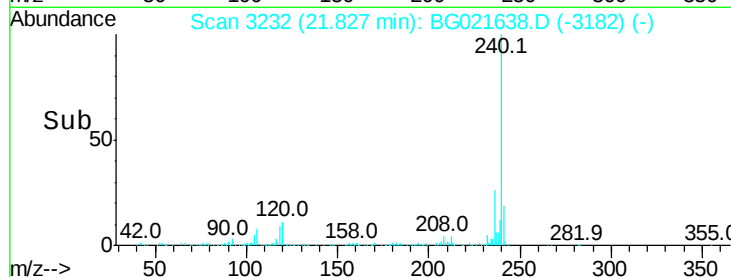
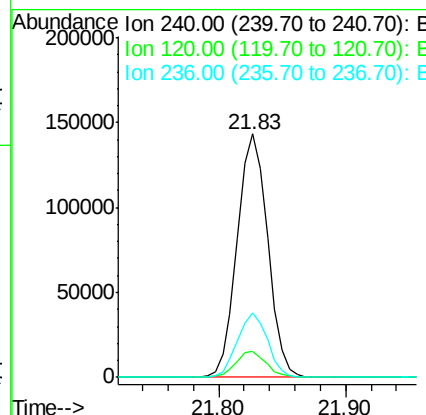
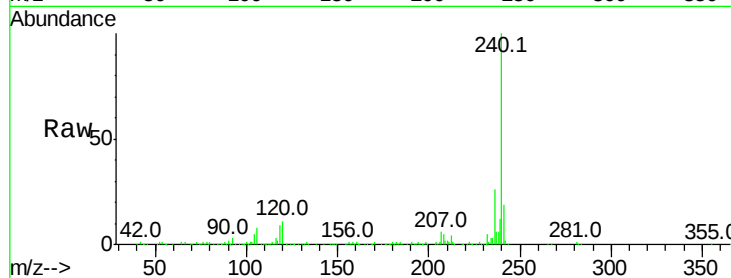
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	8.4	12.6
236	26.4	19.6	29.4

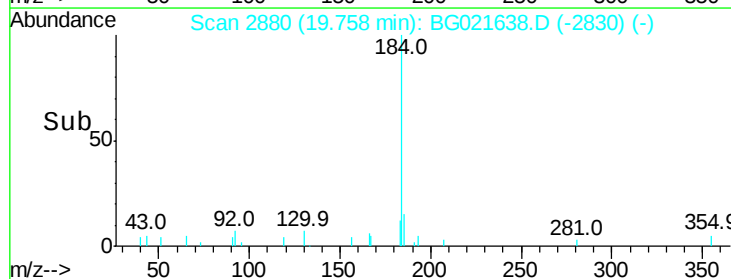
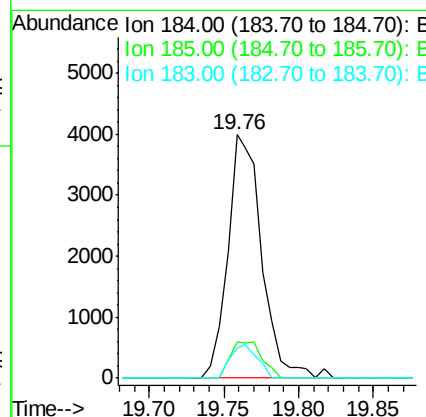
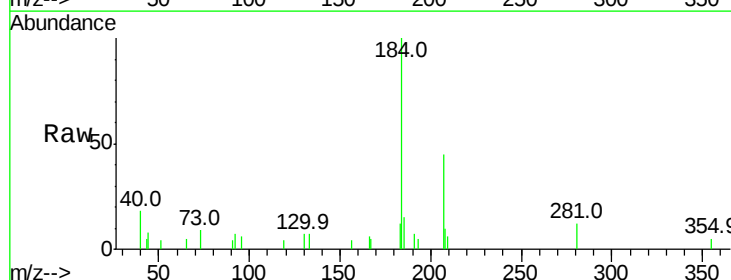
Manual Integrations
APPROVED

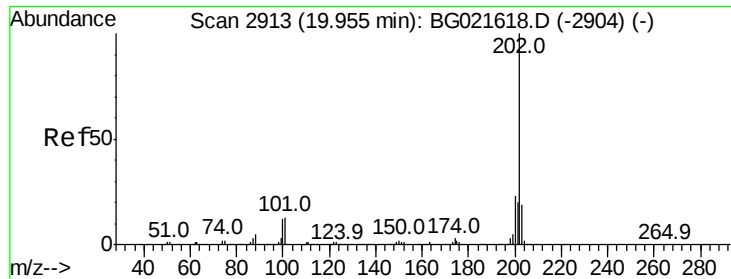
Sohil
4/14/2016 5:30:03 PM



#76
Benzidine
Concen: 0.86 ng
RT: 19.76 min Scan# 2880
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp Lower	Upper
184	100		
185	15.0	11.5	17.3
183	12.1	10.2	15.4





#77

Pvrene

Concen: 0.86 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

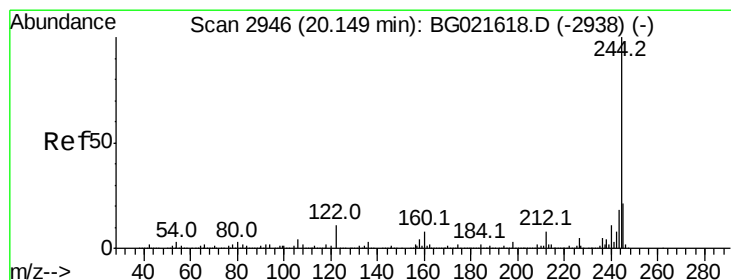
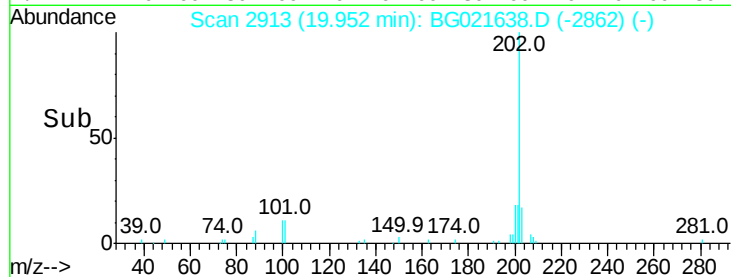
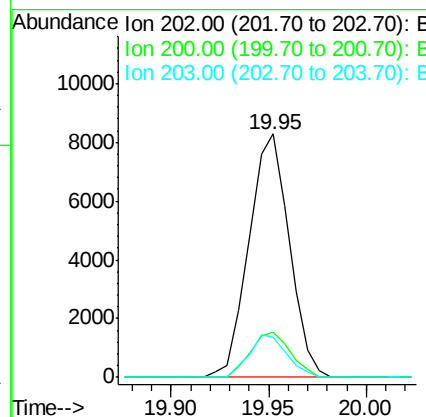
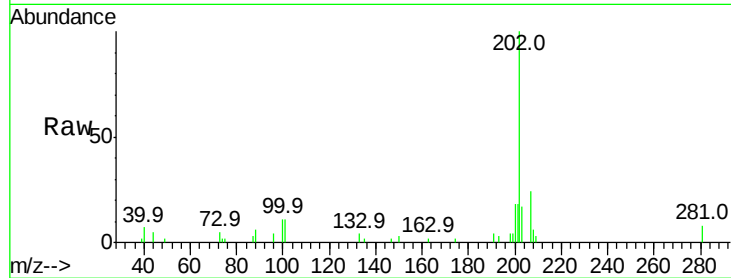
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	202	Resp:	11841
Ion Ratio	Lower	Upper	
202	100		
200	18.5	18.2	27.2
203	16.5	15.0	22.4

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#78

Terphenyl-d14

Concen: 87.07 ng

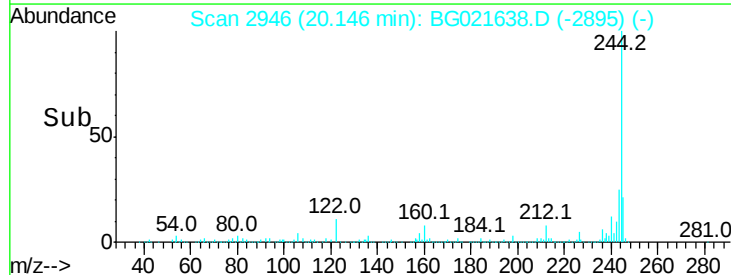
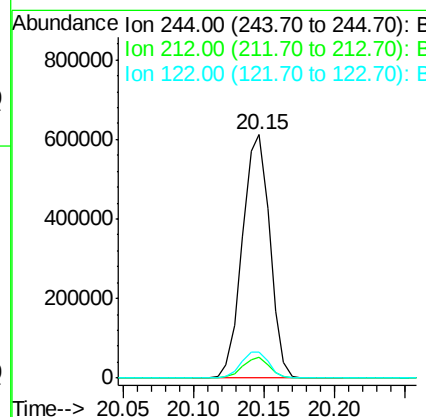
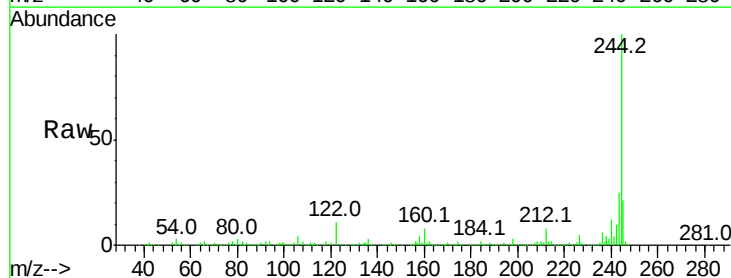
RT: 20.15 min Scan# 2946

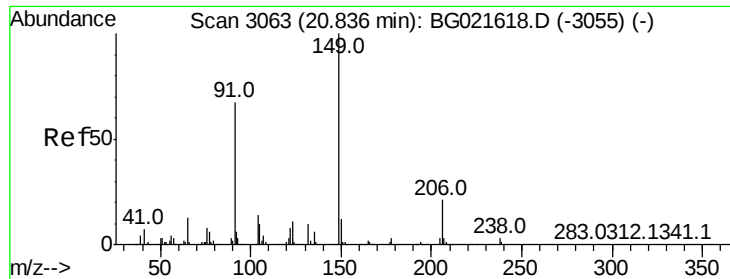
Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	244	Resp:	829959
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.5	9.7
122	10.9	8.6	12.8





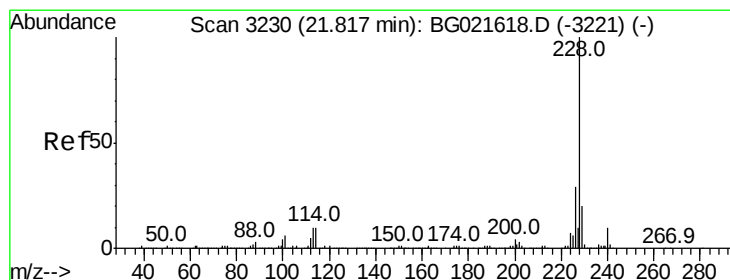
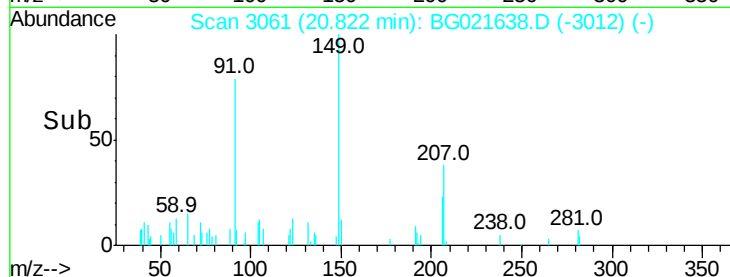
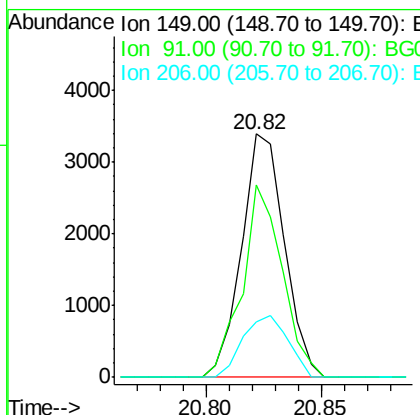
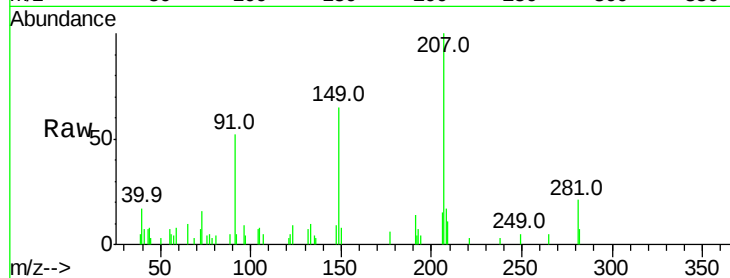
#79
Butylbenzylphthalate
Concen: 0.69 ng
RT: 20.82 min Scan# 3061
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
149	100		
91	78.8	57.8	86.8
206	22.5	17.0	25.4

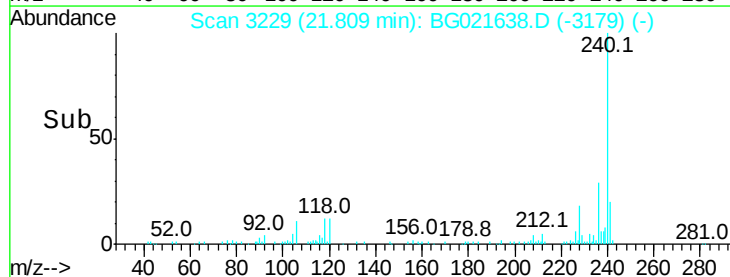
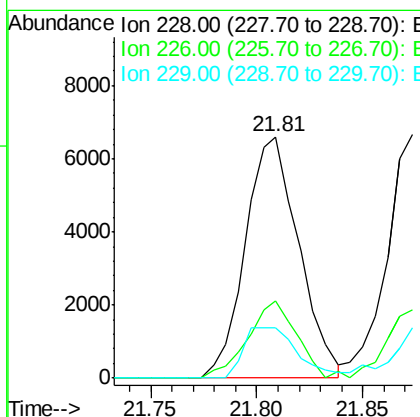
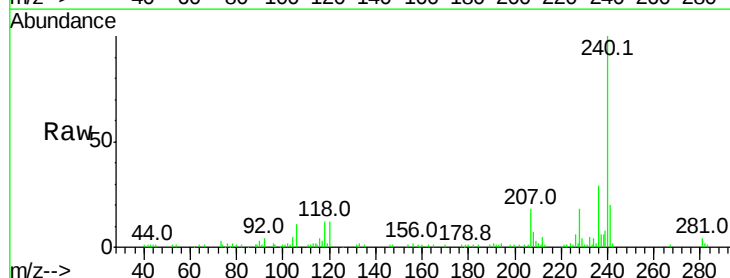
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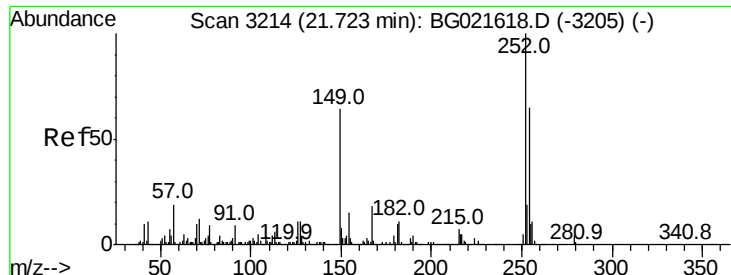
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#80
Benzo(a)anthracene
Concen: 0.85 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	34.0
229	21.1	16.1	24.1





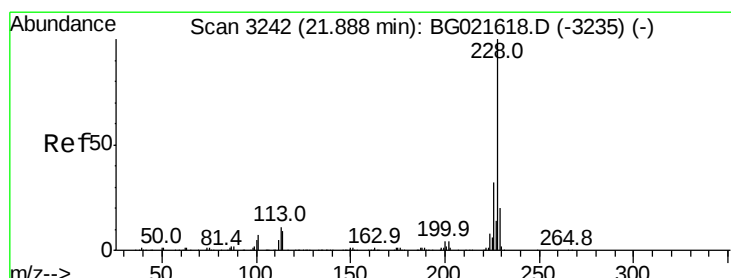
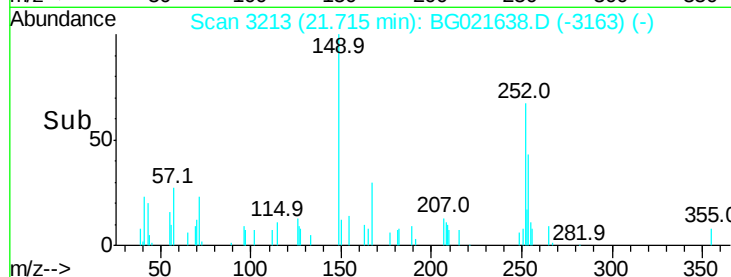
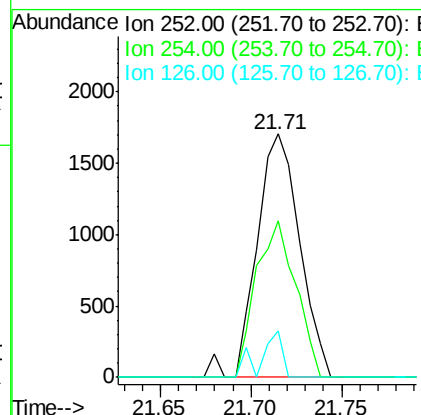
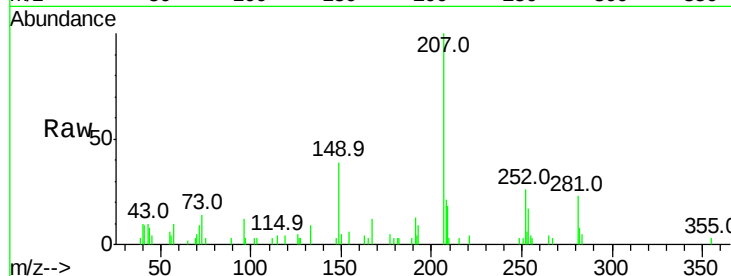
#81
 3,3'-Dichlorobenzidine
 Concen: 0.26 ng
 RT: 21.71 min Scan# 3213
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:	252	Resp:	2798
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.8	77.6
126	19.2	8.8	13.2

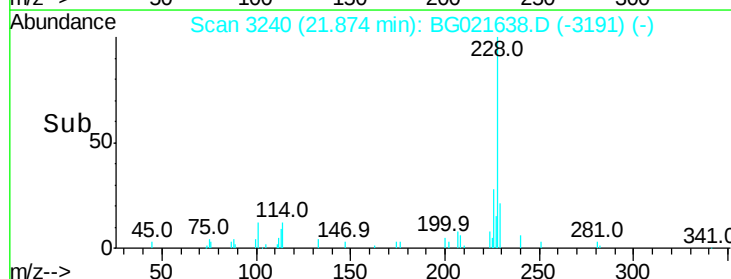
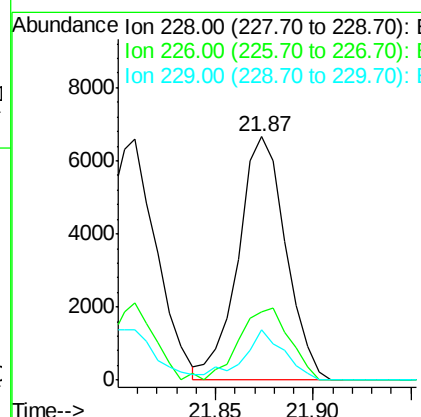
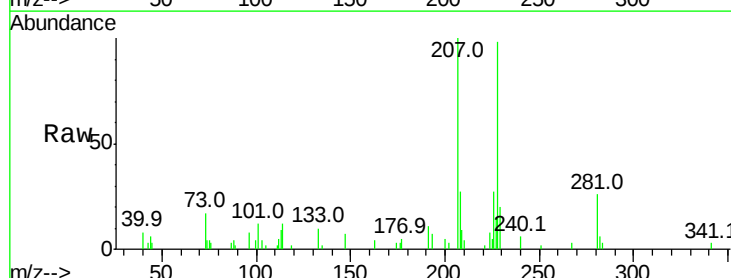
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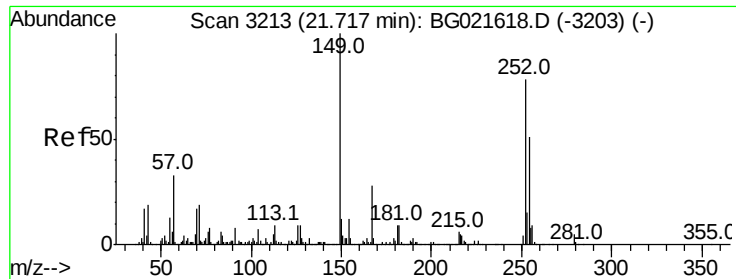
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#82
 Chrysene
 Concen: 0.86 ng
 RT: 21.87 min Scan# 3240
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion:	228	Resp:	11268
Ion Ratio	Lower	Upper	
228	100		
226	27.8	25.4	38.0
229	20.6	15.9	23.9





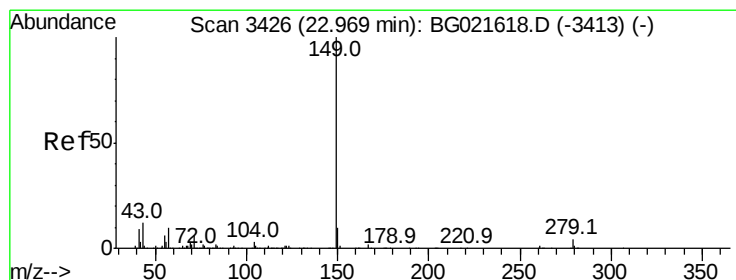
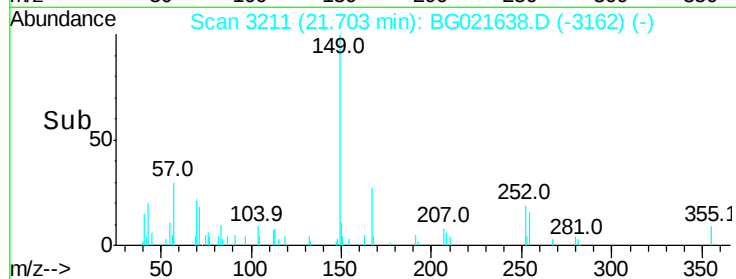
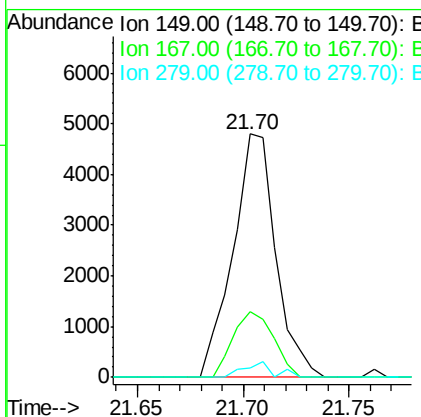
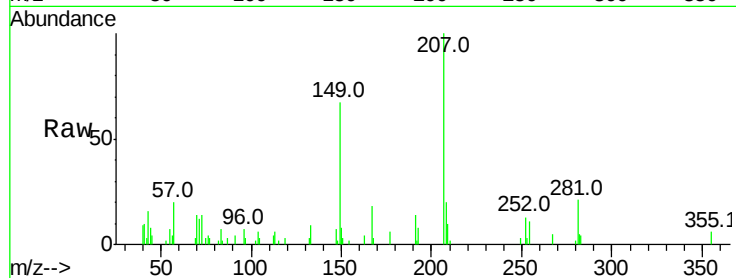
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.73 ng
 RT: 21.70 min Scan# 3211
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
149	100	6756		
167	27.2		22.4	33.6
279	3.7		3.2	4.8

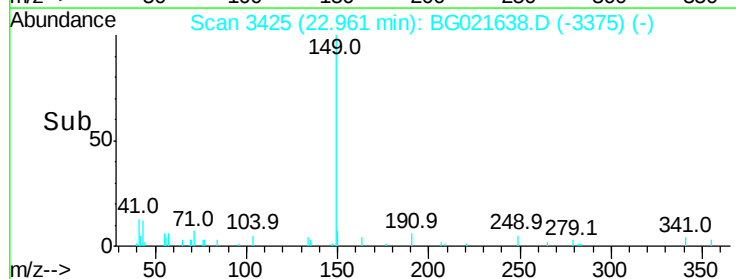
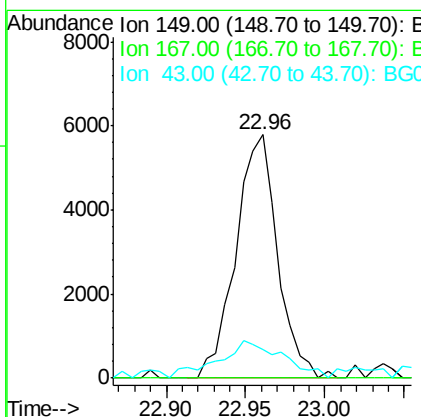
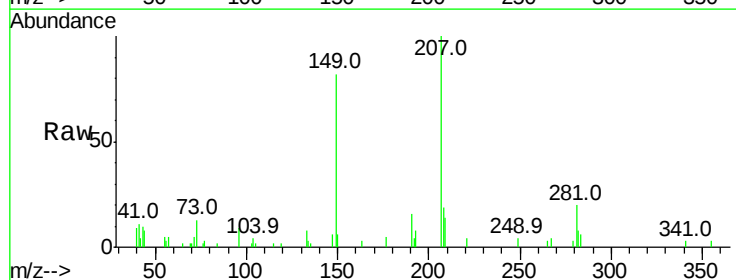
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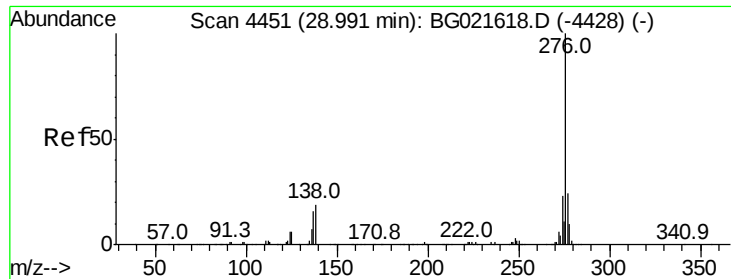
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#84
 Di-n-octyl phthalate
 Concen: 0.68 ng
 RT: 22.96 min Scan# 3425
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	10556		
167	0.0		1.3	1.9#
43	23.8		9.8	14.6#





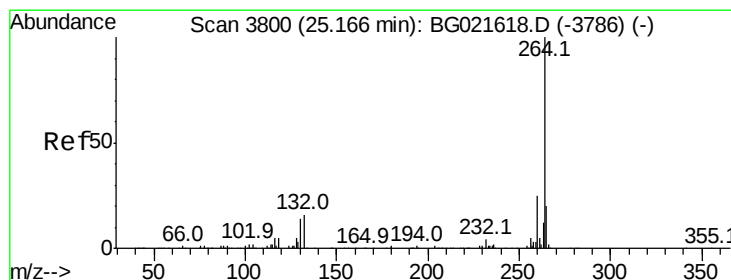
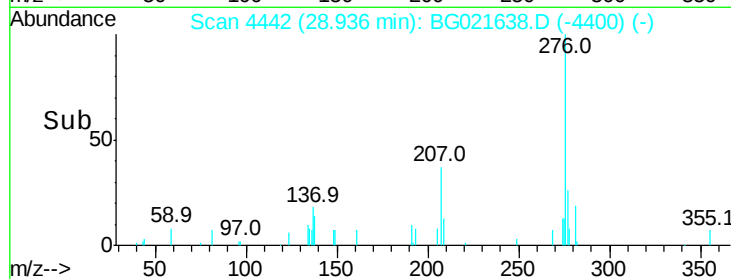
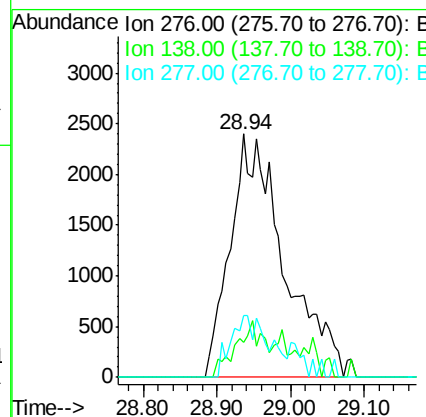
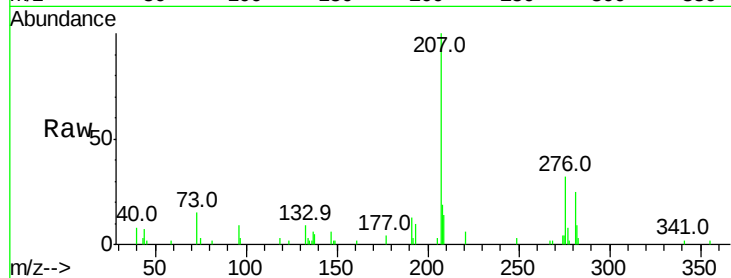
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.78 ng/mL
 RT: 28.94 min Scan# 4442
 Delta R.T. -0.06 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	14.0	21.0#
277	9.9	20.6	30.8#

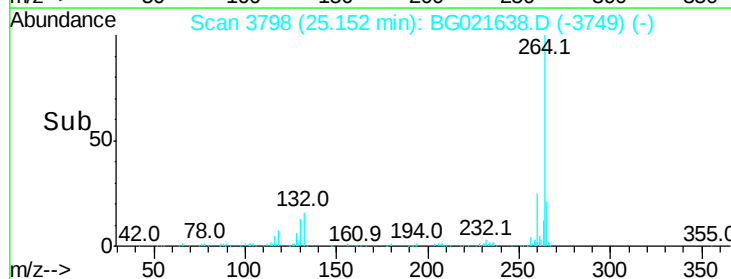
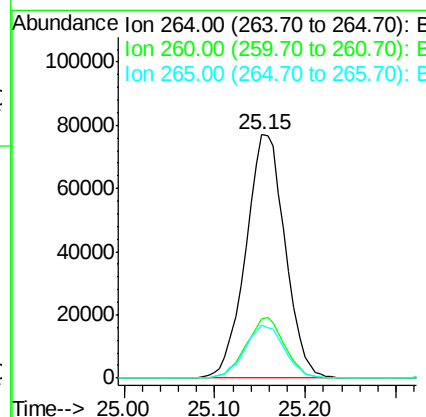
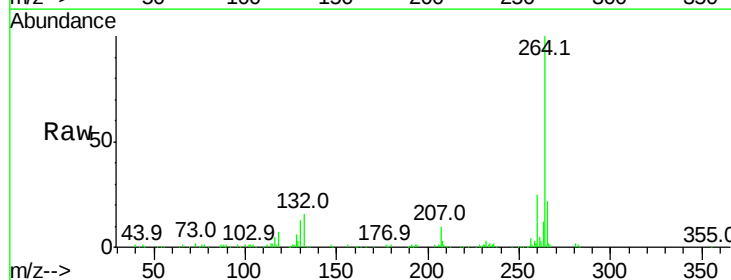
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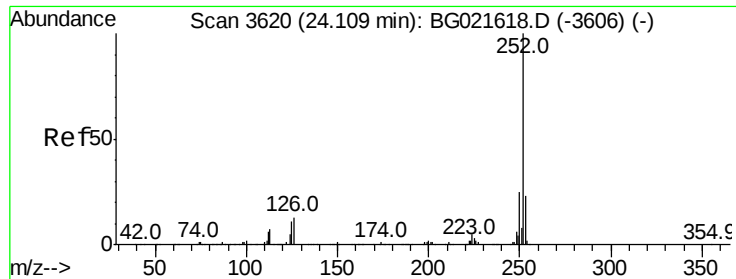
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.15 min Scan# 3798
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.4
265	21.7	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 0.78 ng

RT: 24.09 min Scan# 3617

Delta R.T. -0.02 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

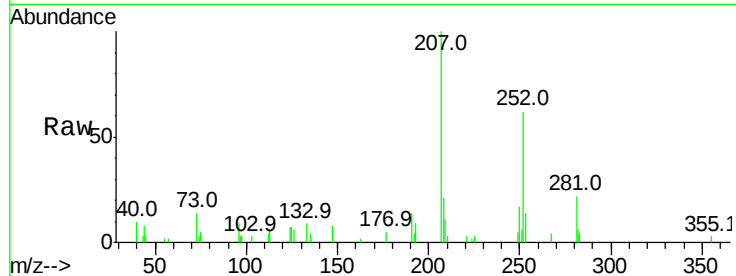
ClientSampleId :

LOD-SOIL2016-01

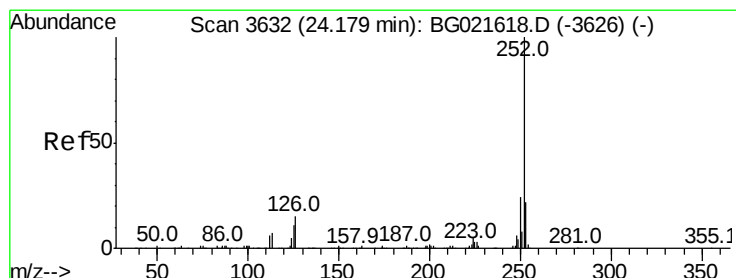
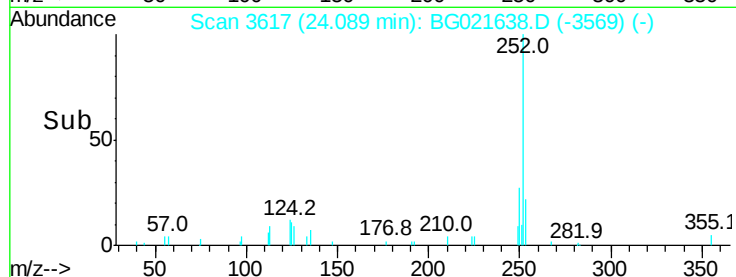
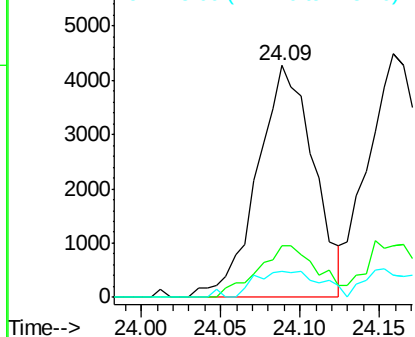
Tot Ion:	252	Resp:	10532
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	11.0	8.6	13.0

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.85 ng

RT: 24.16 min Scan# 3629

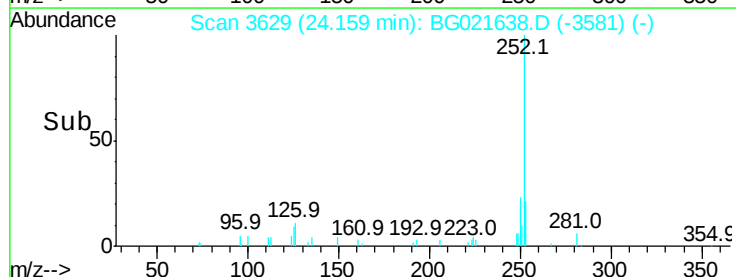
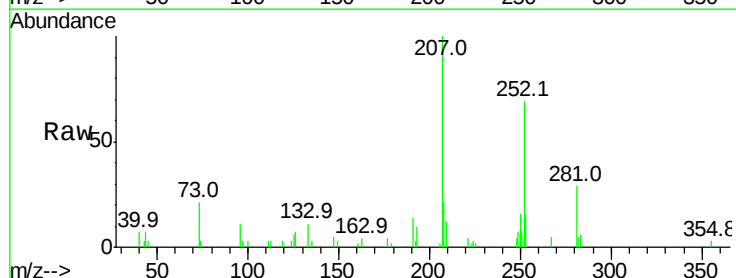
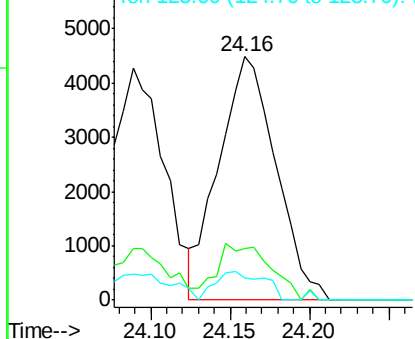
Delta R.T. -0.02 min

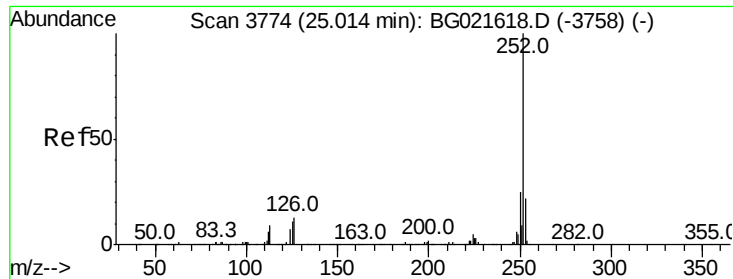
Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion:	252	Resp:	11206
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.8	26.8
125	9.2	8.3	12.5

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





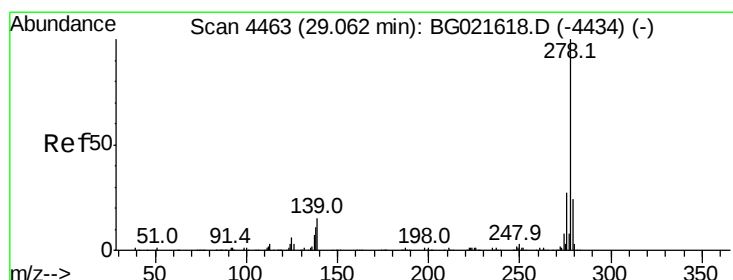
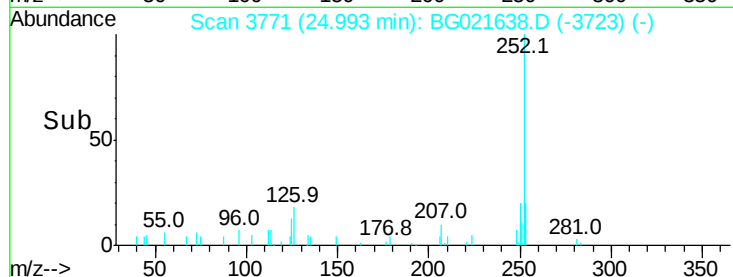
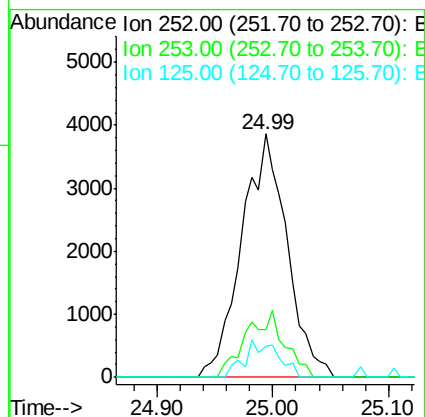
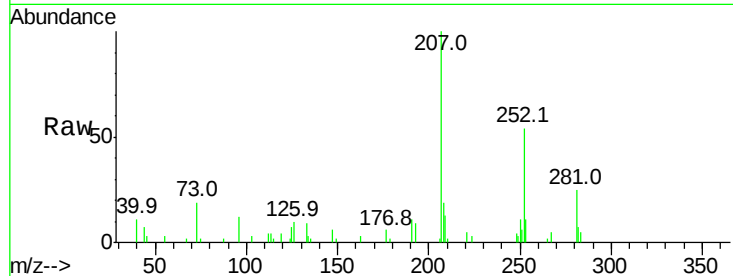
#89
Benzo(a)pyrene
Concen: 0.81 ng
RT: 24.99 min Scan# 3771
Delta R.T. -0.02 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	19.8	17.1	25.7
125	12.8	9.6	14.4

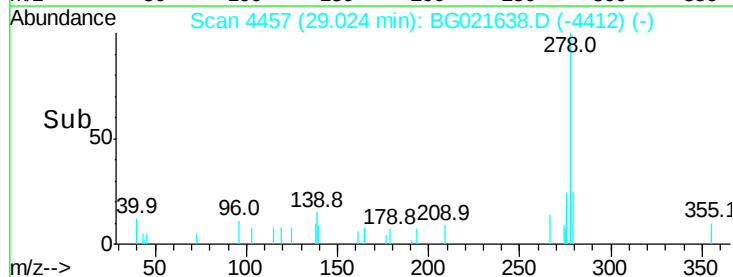
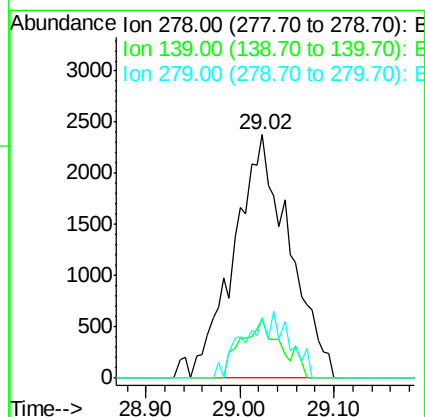
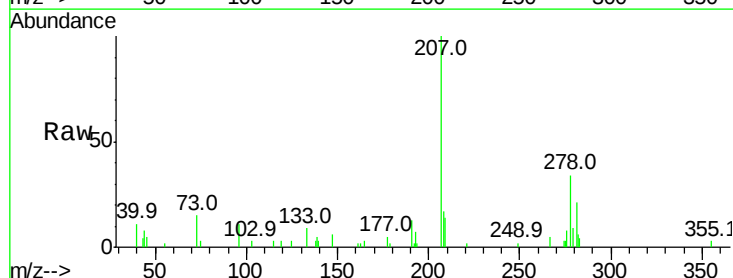
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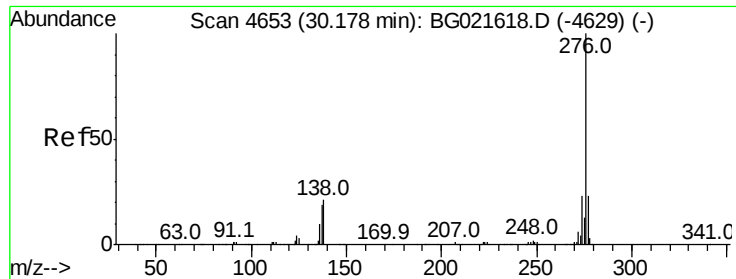
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#90
Dibenzo(a,h)anthracene
Concen: 0.74 ng
RT: 29.02 min Scan# 4457
Delta R.T. -0.04 min
Lab File: BG021638.D
Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	24.2	11.9	17.9#
279	25.0	18.2	27.2





#91
 Benzo(a,h,i)perylene
 Concen: 0.78 ng m
 RT: 30.15 min Scan# 4649
 Delta R.T. -0.03 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	17.9	17.4	26.0

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