

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\
 Data File : BG019168.D
 Acq On : 12 Oct 2015 21:44
 Operator : UM/NP
 Sample : G3707-03
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Manual Integrations
 APPROVED

MMdadoda
 10/13/2015 4:32:28 PM

Quant Time: Oct 13 08:30:40 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 03:45:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	16923	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	76035	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	56197	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	147247	20.00	ng	0.00
75) Chrysene-d12	21.67	240	172721	20.00	ng	-0.01
86) Perylene-d12	24.90	264	167355	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	98023	117.94	ng	0.00
7) Phenol-d6	7.20	99	150964	118.23	ng	0.00
23) Nitrobenzene-d5	9.19	82	103126	74.94	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	89864	117.35	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	265127	72.54	ng	0.00
78) Terphenyl-d14	20.02	244	485190	74.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	61	0.17	ng	# 1
6) Aniline	7.35	93	672	0.39	ng	# 68
8) 2-Chlorophenol	7.60	128	720	0.69	ng	# 92
9) Benzaldehyde	7.17	77	688	0.86	ng	# 87
10) Phenol	7.23	94	938	0.71	ng	# 35
11) bis(2-Chloroethyl)ether	7.45	93	715	0.71	ng	# 72
12) 1,3-Dichlorobenzene	7.93	146	693	0.61	ng	# 82
13) 1,4-Dichlorobenzene	8.06	146	702	0.60	ng	# 93
14) 1,2-Dichlorobenzene	8.39	146	774	0.69	ng	# 65
15) Benzyl Alcohol	8.27	79	555	0.49	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.57	45	1478	0.69	ng	# 74
17) 2-Methylphenol	8.48	107	631	0.66	ng	# 63
18) Hexachloroethane	9.11	117	59	0.13	ng	# 75
19) n-Nitroso-di-n-propylamine	8.84	70	439	0.43	ng	# 85
20) 3+4-Methylphenols	8.81	107	936	0.68	ng	# 75
22) Acetophenone	8.85	105	1061	0.60	ng	# 73
24) Nitrobenzene	9.23	77	1010	0.69	ng	# 40
25) Isophorone	9.76	82	1631	0.58	ng	# 67
26) 2-Nitrophenol	9.95	139	293	0.47	ng	# 50
27) 2,4-Dimethylphenol	10.01	122	529	0.49	ng	# 59
28) bis(2-Chloroethoxy)methane	10.23	93	1039	0.70	ng	# 92
29) 2,4-Dichlorophenol	10.49	162	628	0.55	ng	# 85
30) 1,2,4-Trichlorobenzene	10.70	180	730	0.60	ng	# 80
31) Naphthalene	10.89	128	2592	0.71	ng	# 83
33) 4-Chloroaniline	11.00	127	743	0.44	ng	# 66
34) Hexachlorobutadiene	11.18	225	586	0.70	ng	# 91
36) 4-Chloro-3-methylphenol	12.12	107	765	0.53	ng	# 56
37) 2-Methylnaphthalene	12.49	142	1762m	0.62	ng	#
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	1086	0.67	ng	# 87
42) 2,4,6-Trichlorophenol	13.10	196	631	0.56	ng	# 72
43) 2,4,5-Trichlorophenol	13.17	196	632	0.53	ng	# 62
45) 1,1'-Biphenyl	13.50	154	2883	0.71	ng	# 87
46) 2-Chloronaphthalene	13.54	162	2356	0.75	ng	# 86
47) 2-Nitroaniline	13.74	65	732	0.58	ng	# 77

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Acenaphthylene	14.38	152	3851	0.70	nq	# 95
49) Dimethylphthalate	14.11	163	2831	0.64	nq	# 95
50) 2,6-Dinitrotoluene	14.23	165	426	0.45	nq	97
51) Acenaphthene	14.72	154	2079	0.62	nq	90
52) 3-Nitroaniline	14.57	138	505	0.48	nq	# 71
54) Dibenzofuran	15.06	168	3643	0.74	nq	94
56) 2,4-Dinitrotoluene	15.01	165	689	0.50	nq	# 81
57) Fluorene	15.70	166	2863	0.67	nq	95
58) 2,3,4,6-Tetrachlorophenol	15.29	232	526	0.46	nq	# 85
59) Diethylphthalate	15.48	149	3192	0.69	nq	# 90
60) 4-Chlorophenyl-phenylether	15.70	204	1669	0.77	nq	89
61) 4-Nitroaniline	15.73	138	357	0.31	nq	# 43
62) Azobenzene	15.99	77	2831	0.66	nq	95
65) n-Nitrosodiphenylamine	15.91	169	2557	0.63	nq	# 87
66) 4-Bromophenyl-phenylether	16.59	248	975	0.65	nq	# 85
67) Hexachlorobenzene	16.70	284	1139	0.65	nq	# 83
68) Atrazine	16.86	200	970	0.58	nq	82
70) Phenanthrene	17.45	178	5211	0.69	nq	# 89
71) Anthracene	17.54	178	5166	0.68	nq	# 90
72) Carbazole	17.81	167	4255	0.60	nq	# 89
73) Di-n-butylphthalate	18.37	149	5531	0.64	nq	# 96
74) Fluoranthene	19.45	202	6006	0.62	nq	94
77) Pyrene	19.82	202	6745	0.70	nq	95
79) Butylbenzylphthalate	20.70	149	2269	0.58	nq	# 93
80) Benzo(a)anthracene	21.66	228	6910	0.75	nq	97
81) 3,3'-Dichlorobenzidine	21.57	252	2013	0.59	nq	# 79
82) Chrysene	21.72	228	6023	0.69	nq	94
83) Bis(2-ethylhexyl)phthalate	21.57	149	3683	0.67	nq	# 94
84) Di-n-octyl phthalate	22.79	149	6081	0.64	nq	# 92
85) Indeno(1,2,3-cd)pyrene	28.55	276	6451m	0.60	nq	
87) Benzo(b)fluoranthene	23.88	252	6205	0.69	nq	97
88) Benzo(k)fluoranthene	23.94	252	6265m	0.71	nq	
89) Benzo(a)pyrene	24.75	252	5666	0.67	nq	94
90) Dibenzo(a,h)anthracene	28.65	278	5091	0.56	nq	# 77
91) Benzo(a,h,i)perylene	29.73	276	5075m	0.60	nq	

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

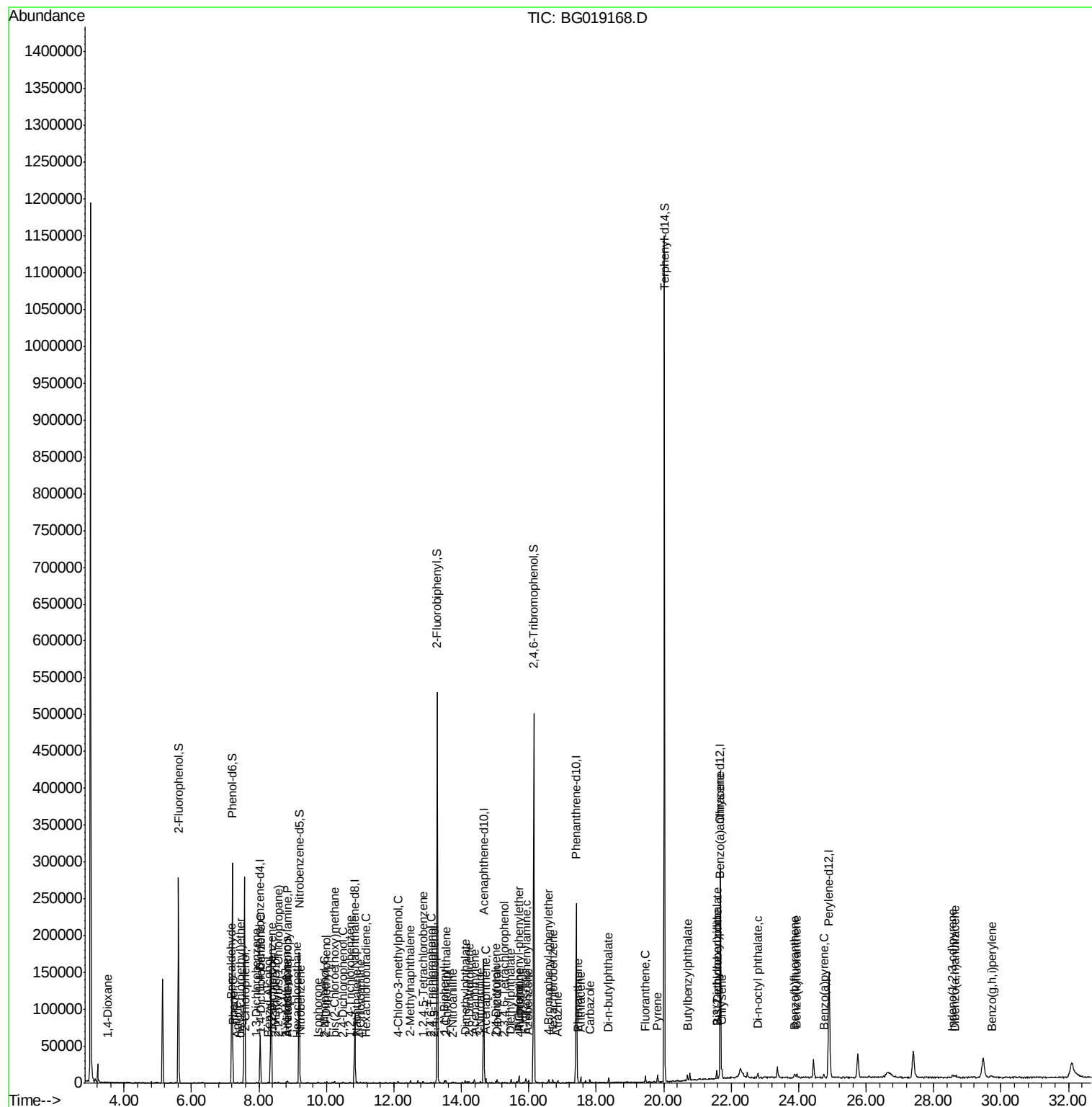
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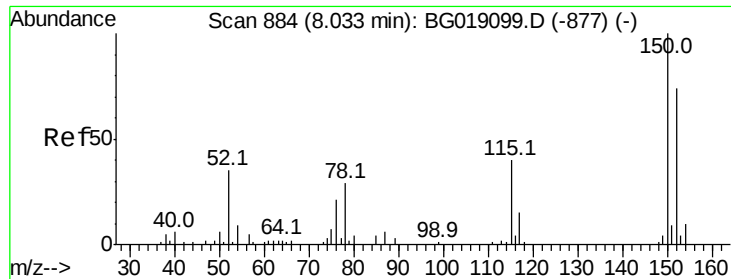
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

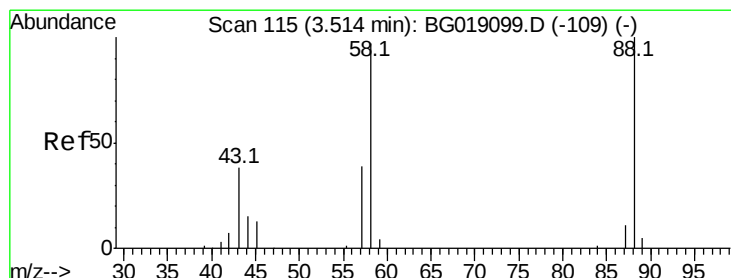
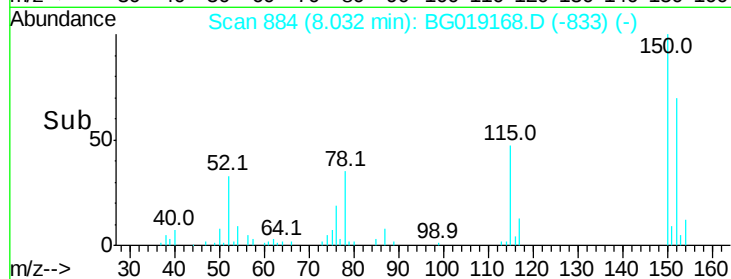
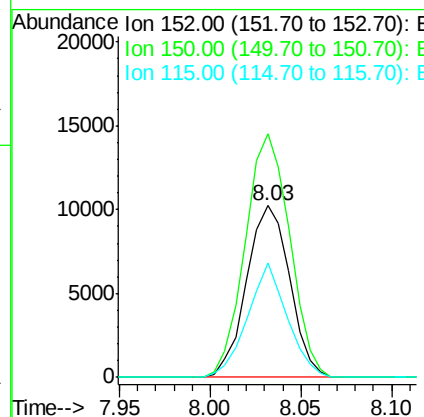
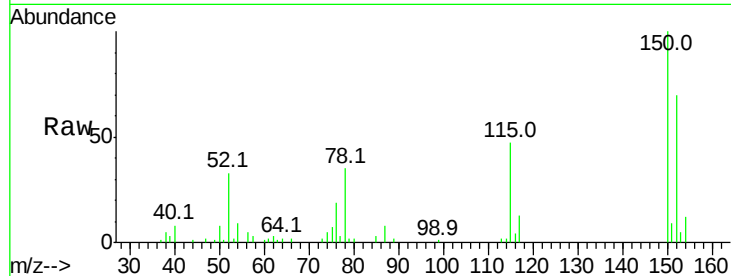
ClientSampleId :

LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.1	108.2	162.2
115	66.8	43.2	64.8

Manual Integrations
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#2

1,4-Dioxane

Concen: 0.17 ng

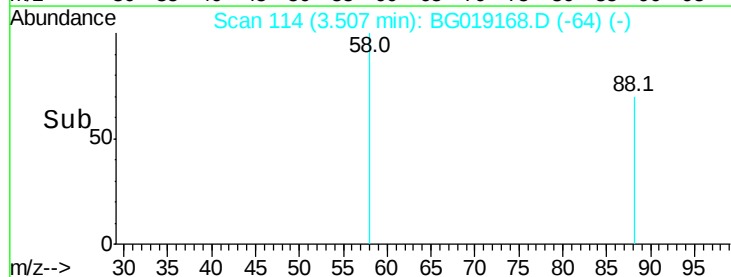
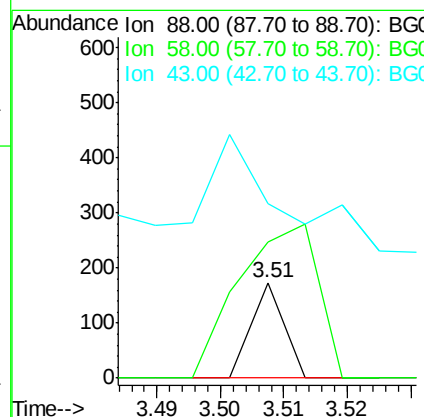
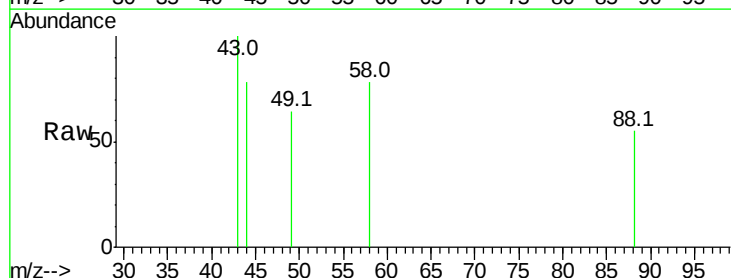
RT: 3.51 min Scan# 114

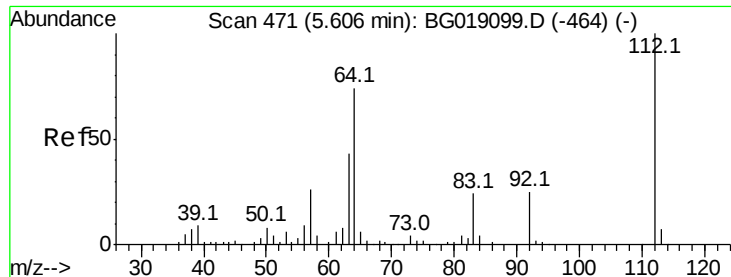
Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	395.1	81.1	121.7
43	288.5	31.0	46.6





#5

2-Fluorophenol

Concen: 117.94 ng

RT: 5.61 min Scan# 472

Delta R.T. 0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

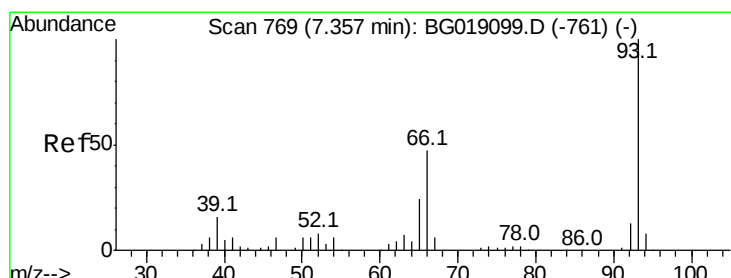
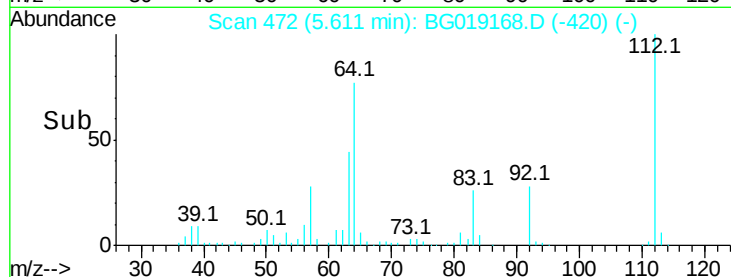
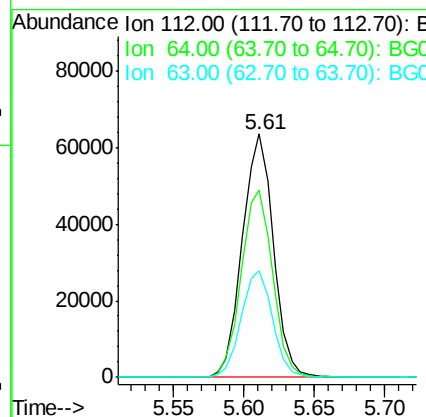
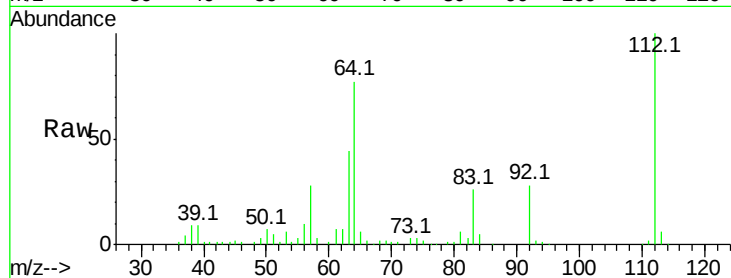
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	112	Resp:	98023
Ion Ratio	Lower	Upper	
112	100		
64	76.9	59.0	88.4
63	43.9	34.7	52.1

Manual Integrations
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#6

Aniline

Concen: 0.39 ng

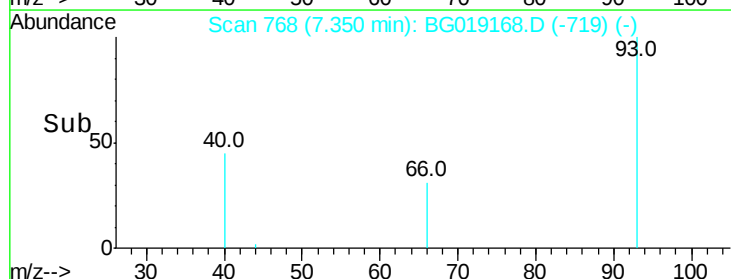
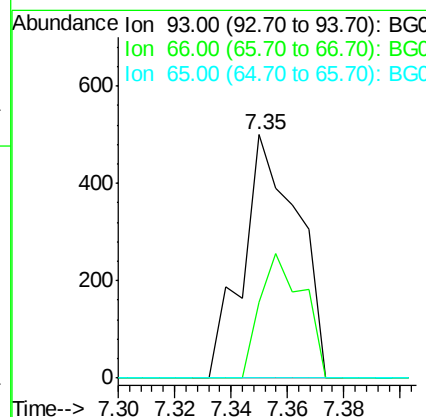
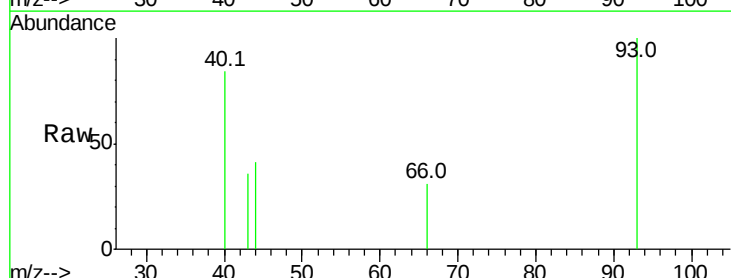
RT: 7.35 min Scan# 768

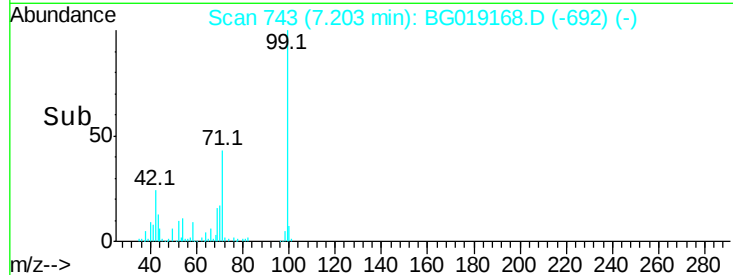
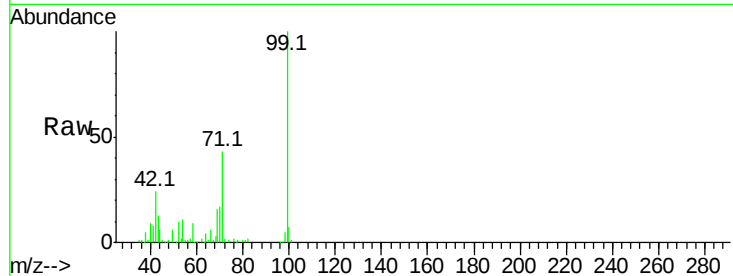
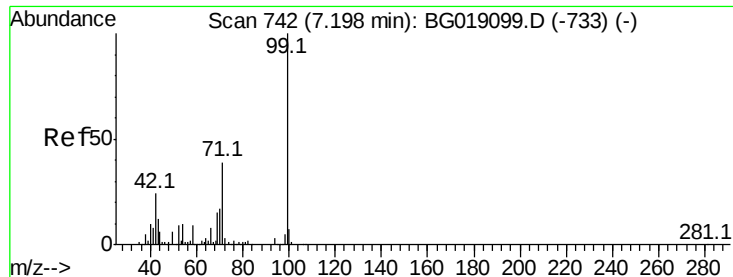
Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	93	Resp:	672
Ion Ratio	Lower	Upper	
93	100		
66	31.4	37.4	56.2#
65	0.0	19.6	29.4#





#7

Phenol-d6

Concen: 118.23 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tot Ion:	99	Resp:	150964
Ion Ratio	Lower	Upper	
99	100		
42	24.5	19.5	29.3
71	43.1	31.4	47.0

Instrument :

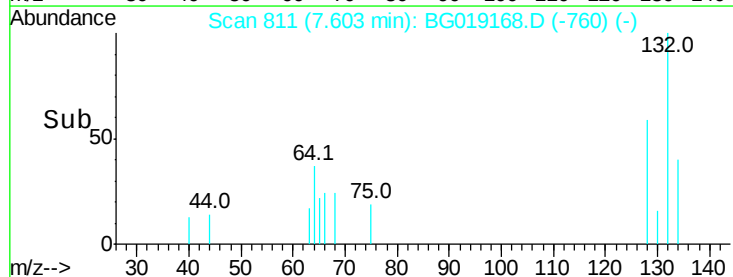
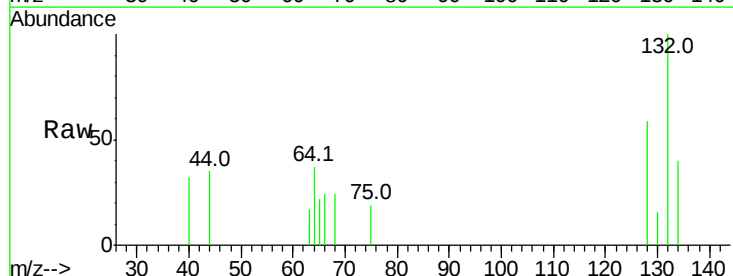
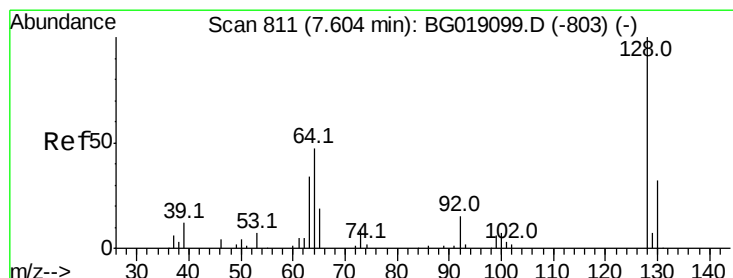
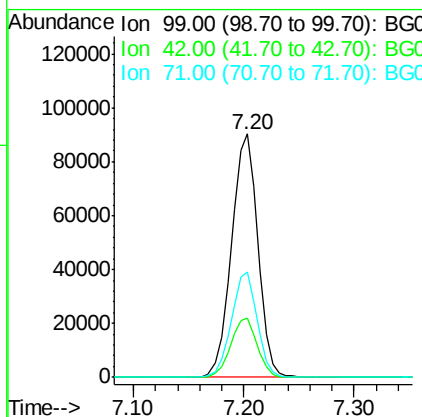
BNA_G

ClientSampleId :

LOD-SOIL2015-01

Manual Integrations
APPROVED

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#8

2-Chlorophenol

Concen: 0.69 ng

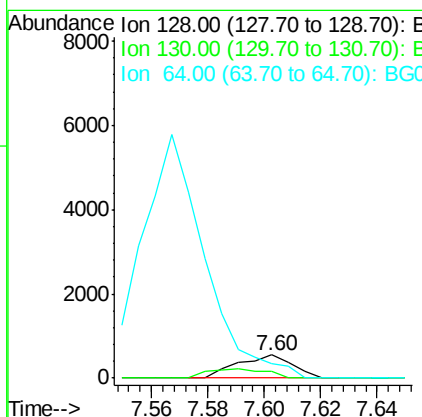
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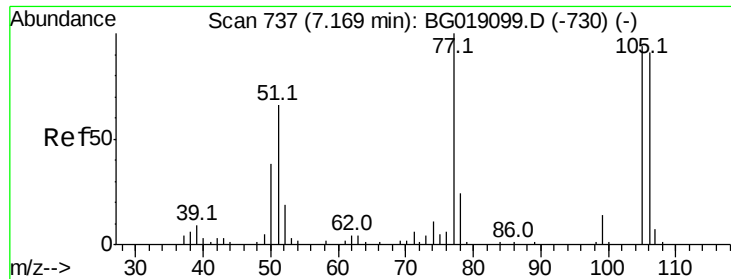
Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	128	Resp:	720
Ion Ratio	Lower	Upper	
128	100		
130	27.8	12.3	52.3
64	61.9	35.8	75.8





#9

Benzaldehyde

Concen: 0.86 ng

RT: 7.17 min Scan# 738

Delta R.T. 0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleID :

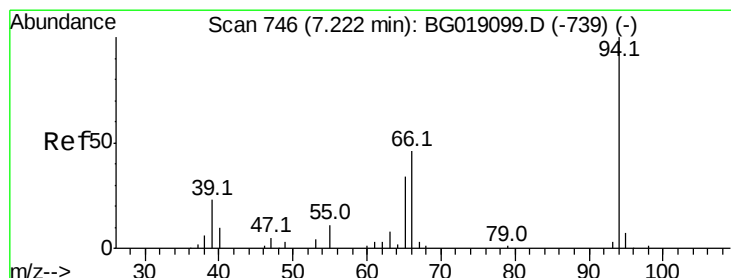
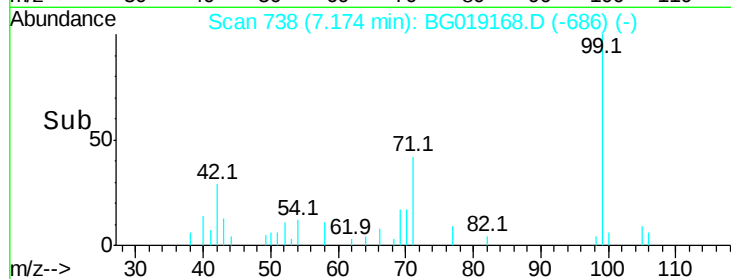
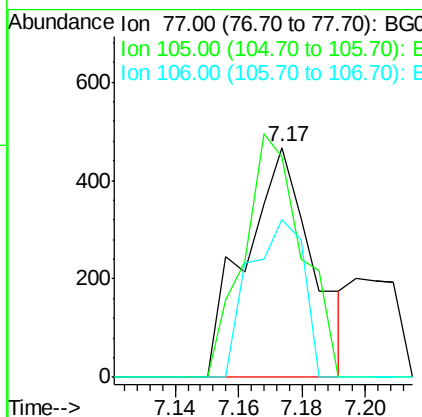
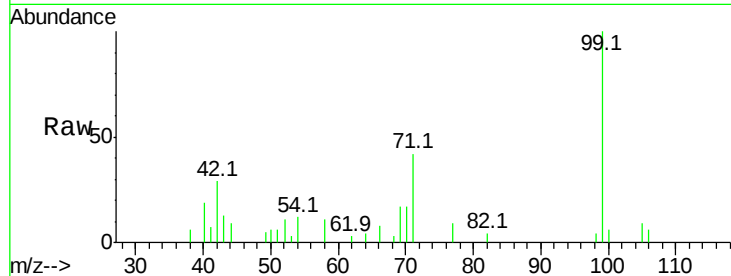
LOD-SOIL2015-01

Tot Ion: 77 Resp: 688

Ion	Ratio	Lower	Upper
77	100		
105	96.1	73.7	113.7
106	68.7	71.0	111.0#

Manual Integrations
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#10

Phenol

Concen: 0.71 ng

RT: 7.23 min Scan# 748

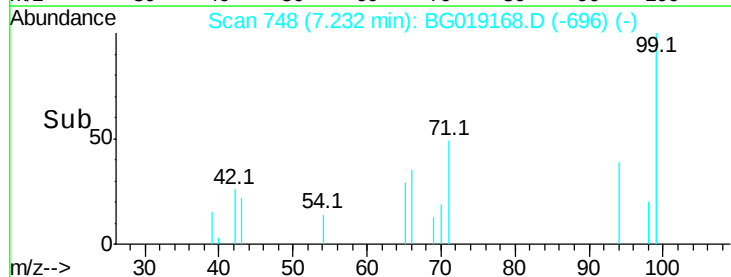
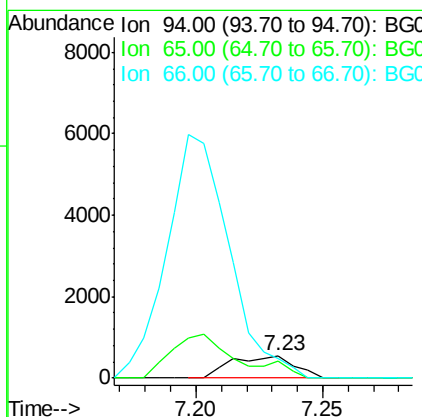
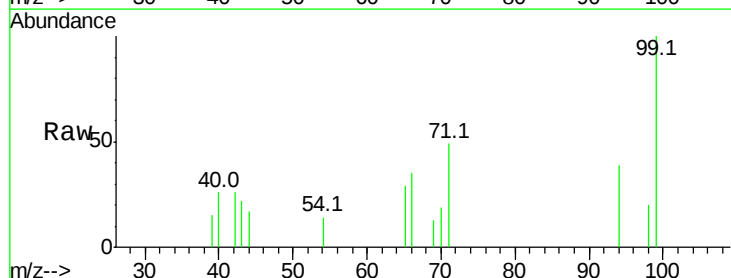
Delta R.T. 0.00 min

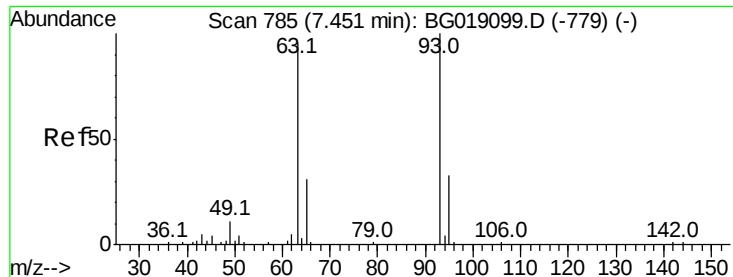
Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion: 94 Resp: 938

Ion	Ratio	Lower	Upper
94	100		
65	75.7	15.2	55.2#
66	90.0	28.7	68.7#





#11

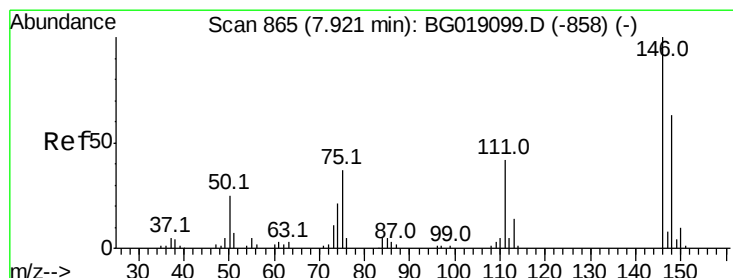
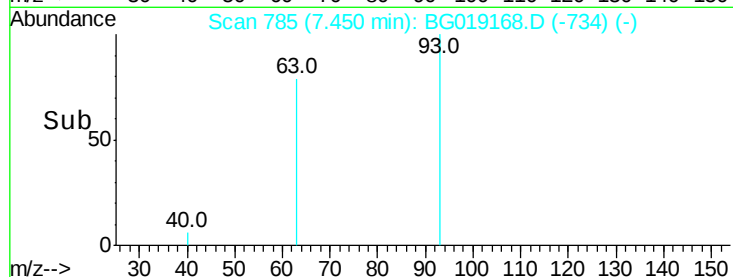
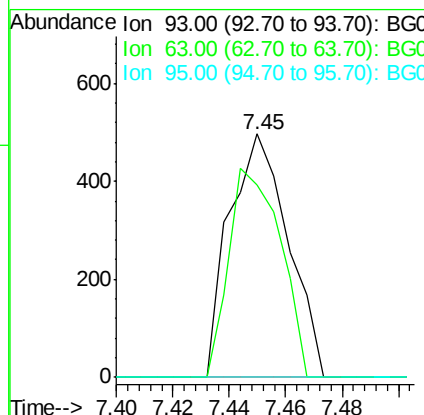
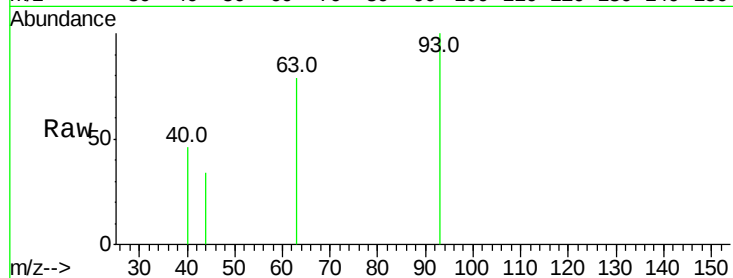
bis(2-Chloroethyl)ether
Concen: 0.71 ng
RT: 7.45 min Scan# 785
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
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LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.9	75.3	115.3
95	0.0	12.9	52.9#

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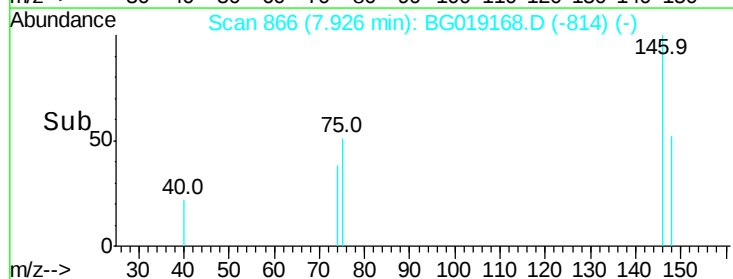
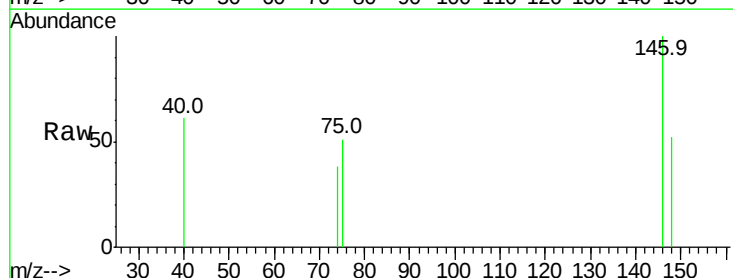
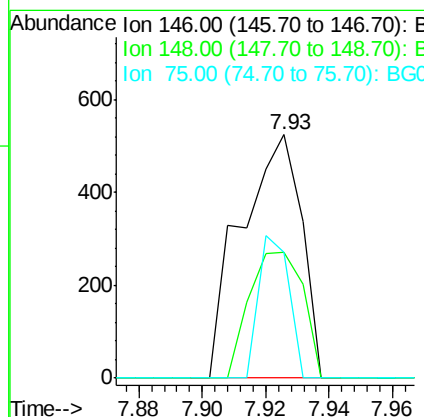
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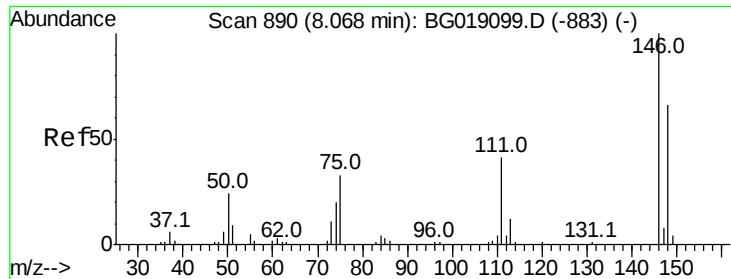


#12

1,3-Dichlorobenzene
Concen: 0.61 ng
RT: 7.93 min Scan# 866
Delta R.T. 0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	51.6	50.2	75.4
75	51.4	29.3	43.9#





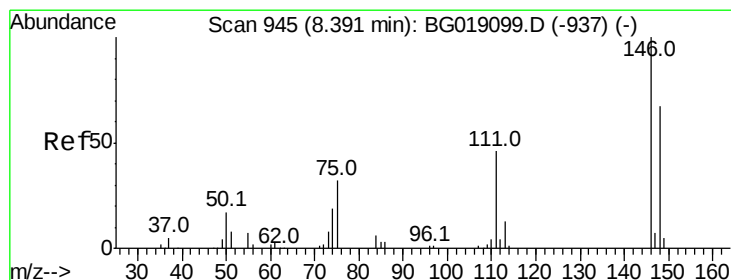
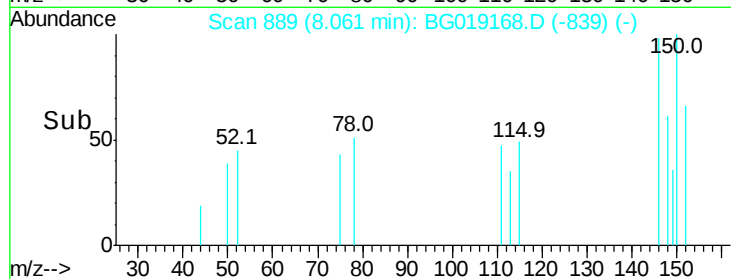
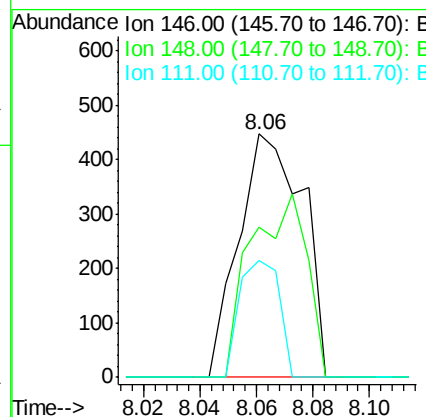
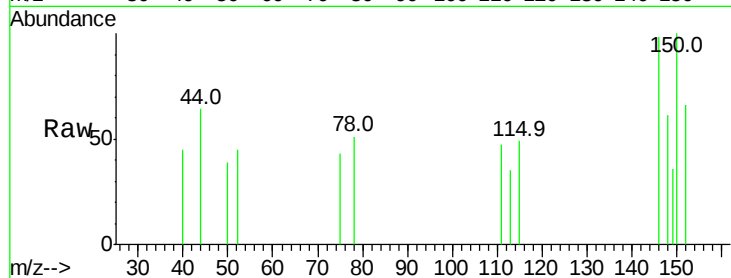
#13
 1,4-Dichlorobenzene
 Concen: 0.60 ng
 RT: 8.06 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.0	52.9	79.3
111	47.9	33.1	49.7

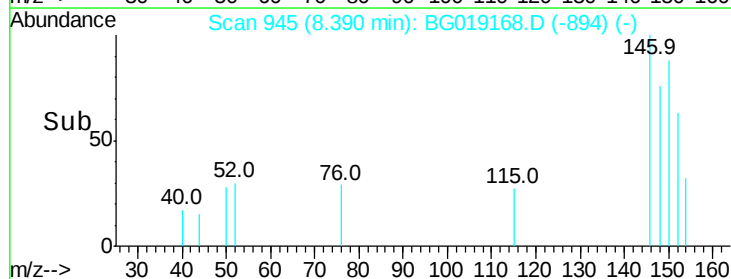
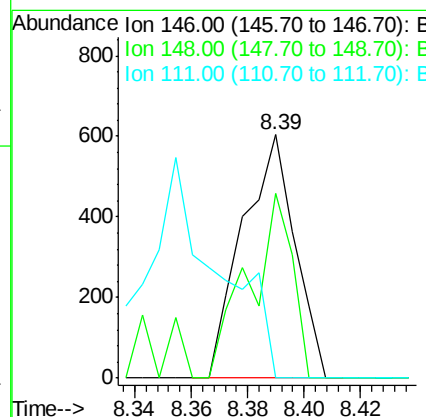
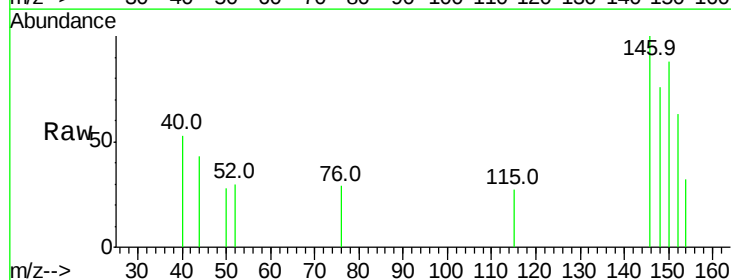
Manual Integrations
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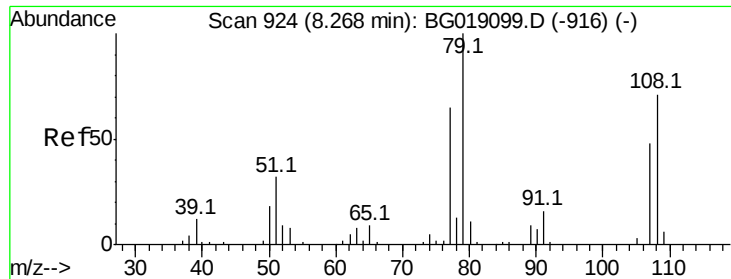
MMdadoda
 10/13/2015 4:32:28 PM



#14
 1,2-Dichlorobenzene
 Concen: 0.69 ng
 RT: 8.39 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	75.8	53.6	80.4
111	0.0	37.3	55.9#





#15

Benzyl Alcohol

Concen: 0.49 ng

RT: 8.27 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

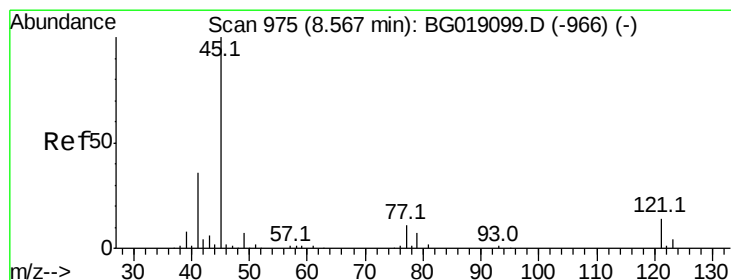
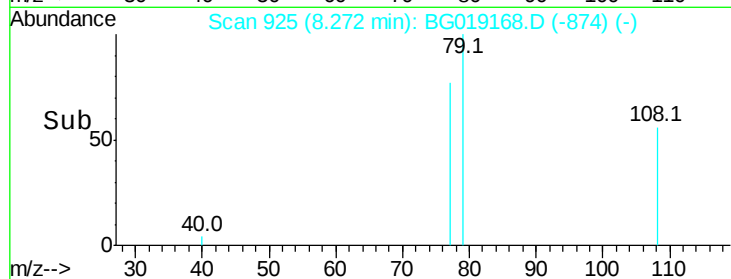
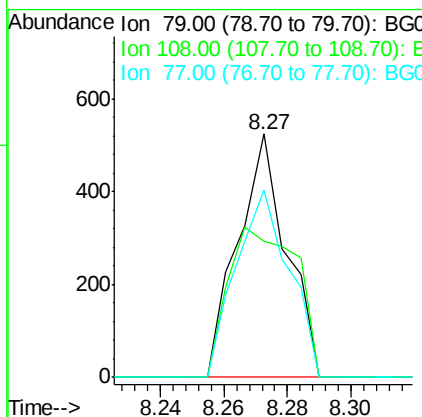
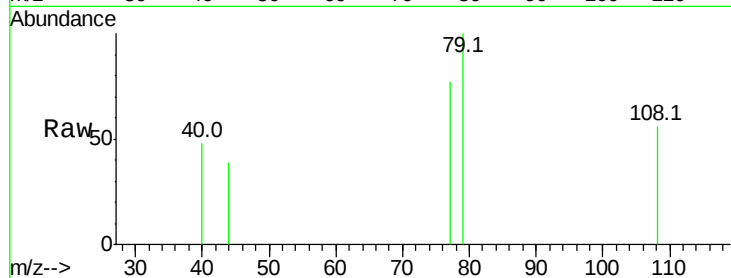
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	79	Resp:	555
Ion Ratio	Lower	Upper	
79	100		
108	55.9	56.6	84.8#
77	76.7	51.6	77.4

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MMdadoda
10/13/2015 4:32:28 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.69 ng

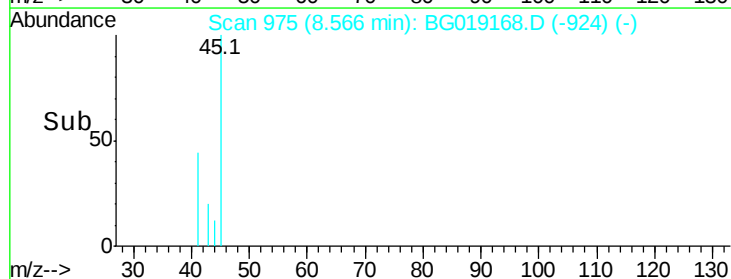
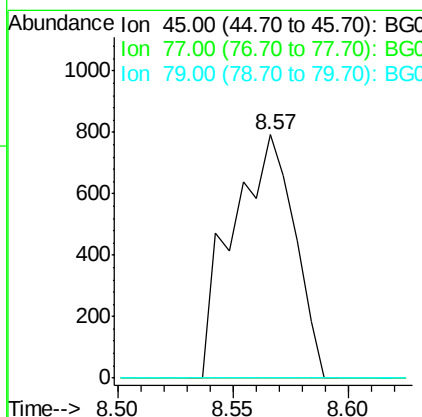
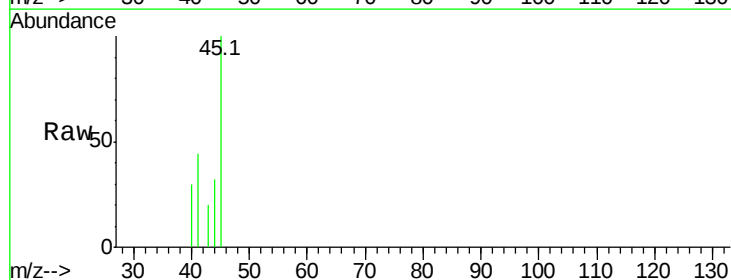
RT: 8.57 min Scan# 975

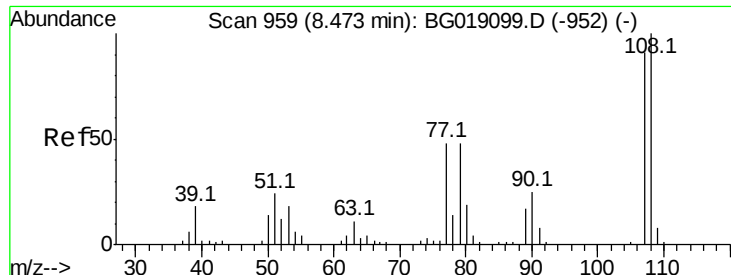
Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	45	Resp:	1478
Ion Ratio	Lower	Upper	
45	100		
77	0.0	0.0	30.8
79	0.0	0.0	27.5





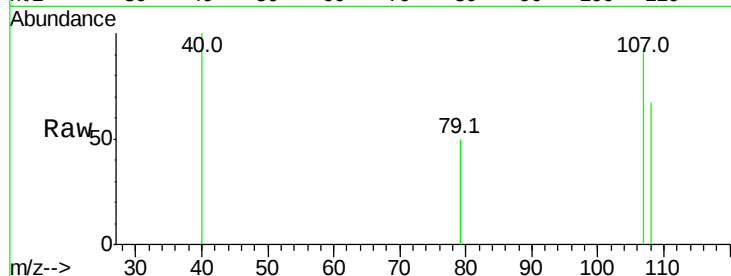
#17
2-Methylphenol
Concen: 0.66 ng
RT: 8.48 min Scan# 961
Delta R.T. 0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
107	100		
108	72.1	87.7	131.5#
77	0.0	42.2	63.2#
79	53.7	42.1	63.1

Manual Integrations
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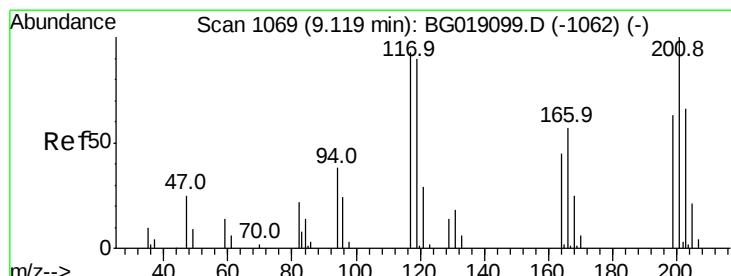
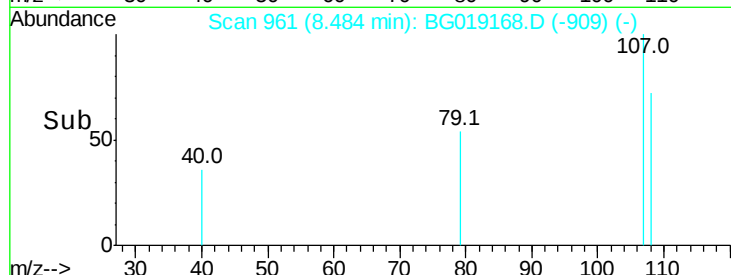
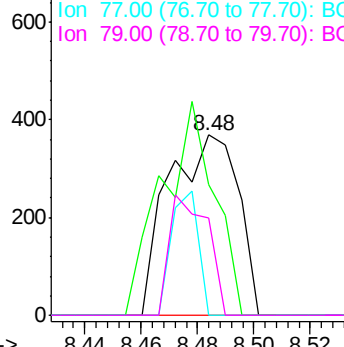
Abundance

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: 0.13 ng
RT: 9.11 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

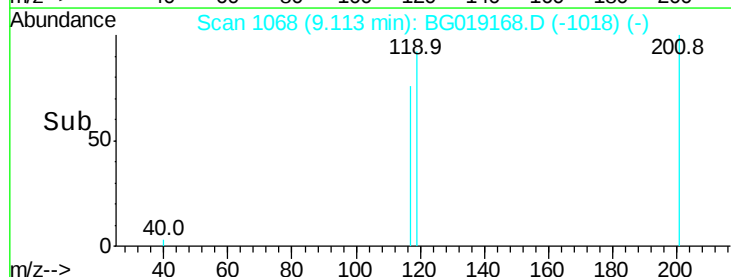
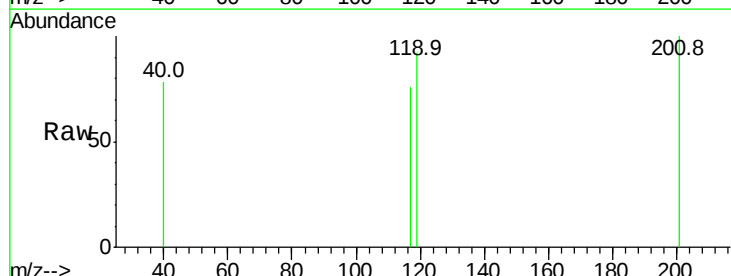
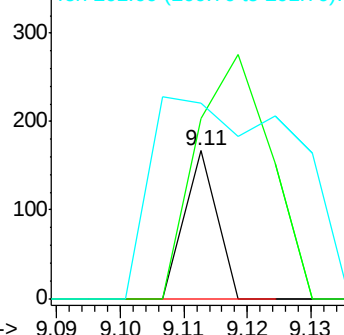
Tgt Ion	Ratio	Lower	Upper
117	100		
119	121.6	77.0	115.4#
201	132.3	85.6	128.4#

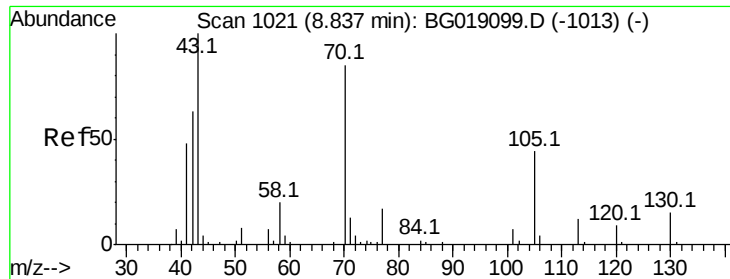
Abundance

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





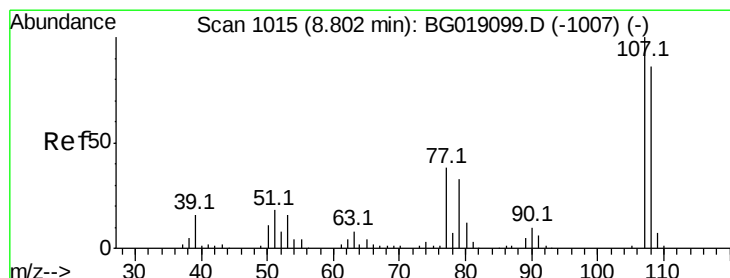
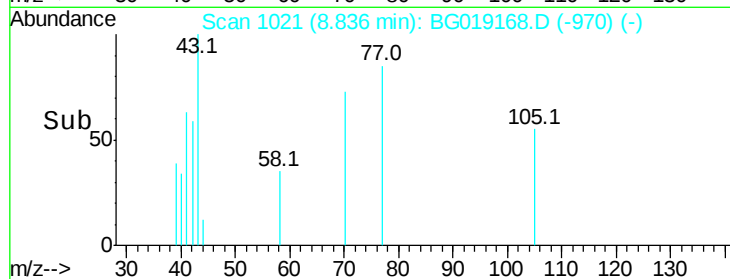
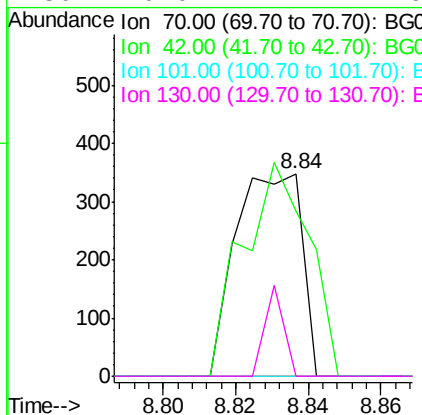
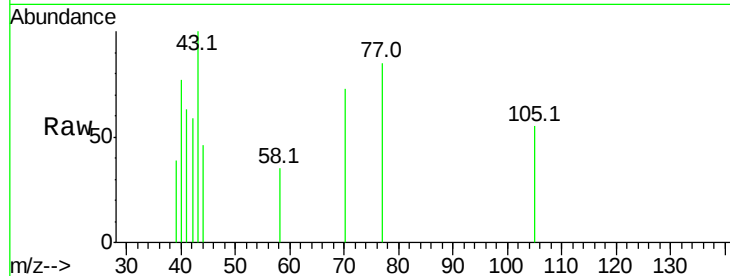
#19
n-Nitroso-di-n-propylamine
Concen: 0.43 ng
RT: 8.84 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:	70	Resp:	439
Ion	Ratio	Lower	Upper
70	100		
42	81.3	59.8	89.8
101	0.0	7.0	10.4#
130	0.0	14.4	21.6#

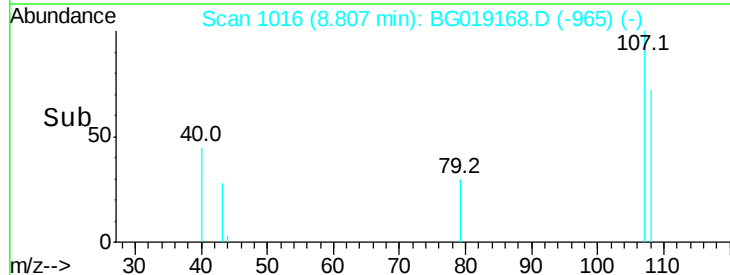
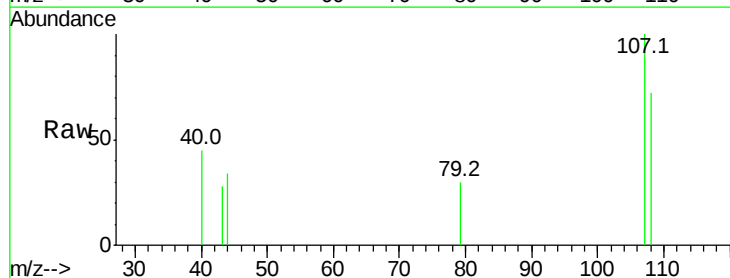
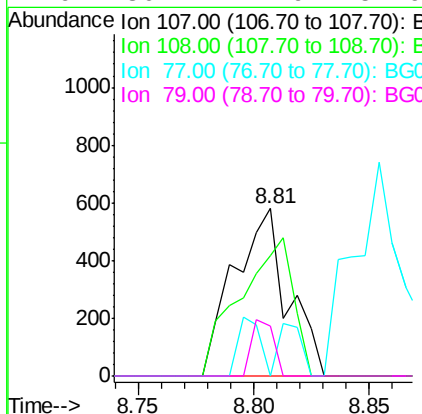
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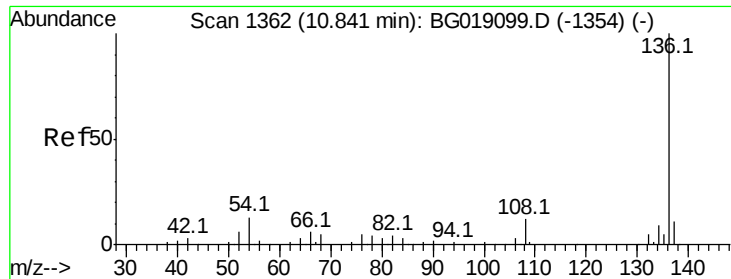
MMdadoda
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#20
3+4-Methylphenols
Concen: 0.68 ng
RT: 8.81 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion:	107	Resp:	936
Ion	Ratio	Lower	Upper
107	100		
108	71.8	66.2	106.2
77	0.0	17.8	57.8#
79	30.1	12.9	52.9





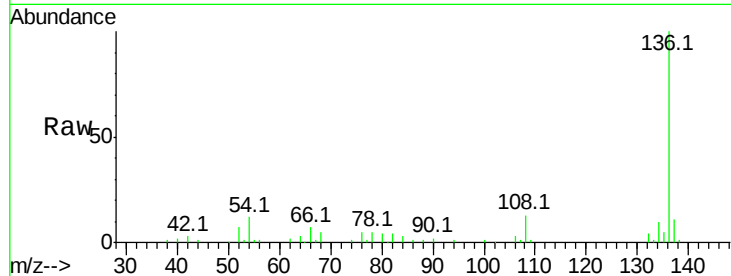
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.0	13.4	
54	12.3	10.1	15.1	
68	4.6	4.4	6.6	

Manual Integrations
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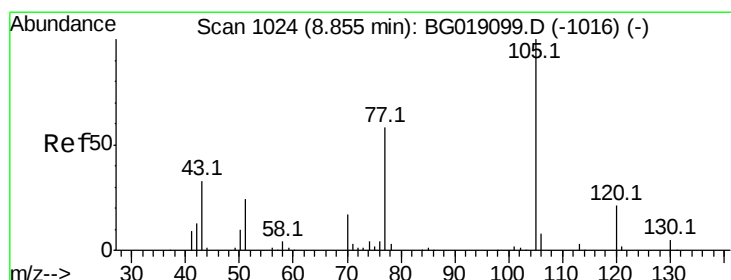
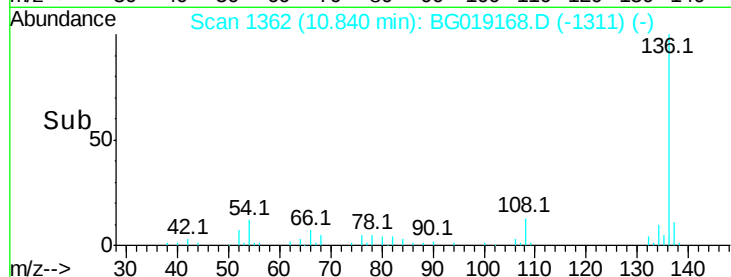
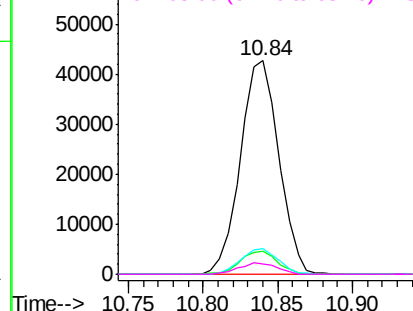
Abundance

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): BG

Ion 68.00 (67.70 to 68.70): BG



#22
Acetophenone
Concen: 0.60 ng
RT: 8.85 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	2.2	3.2#	
51	53.1	29.2	43.8#	
120	33.9	16.6	24.8#	

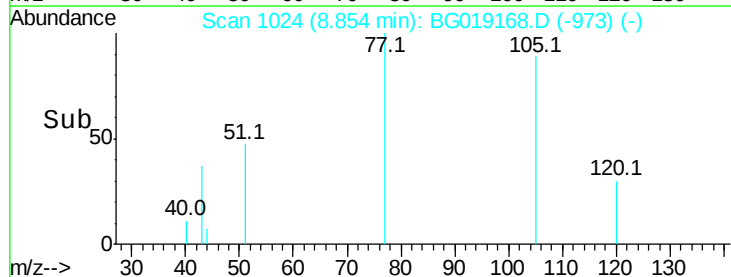
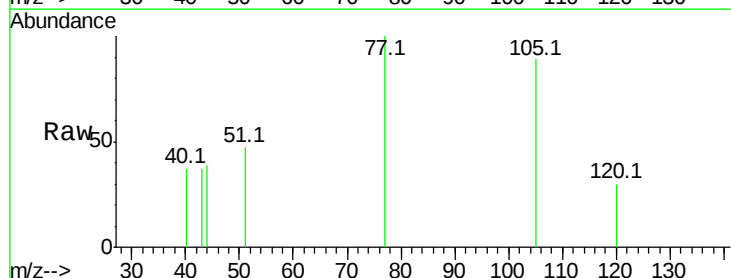
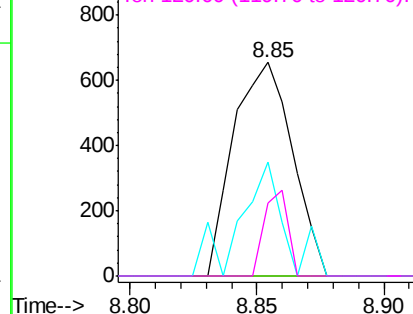
Abundance

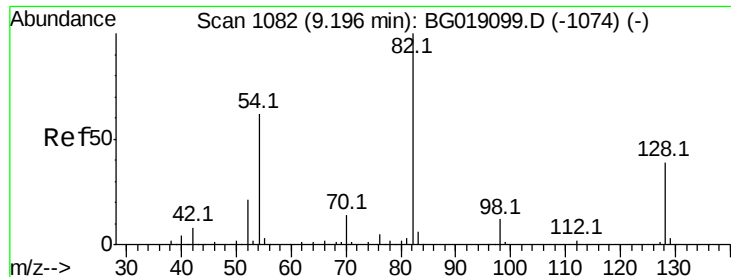
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E





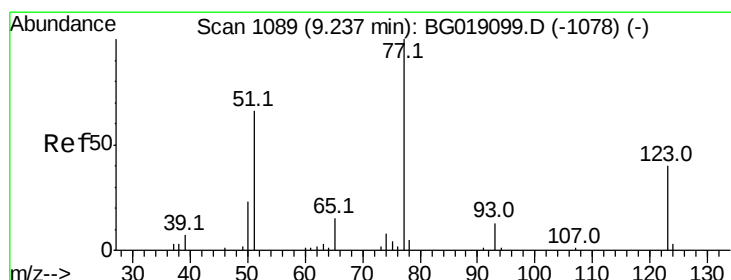
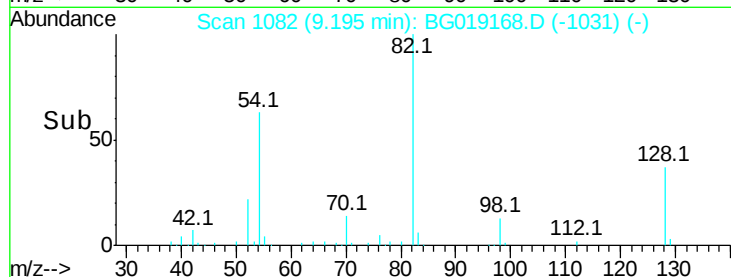
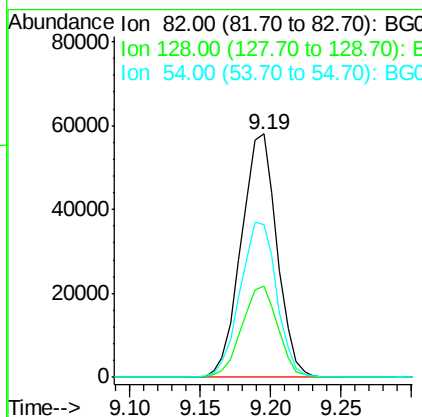
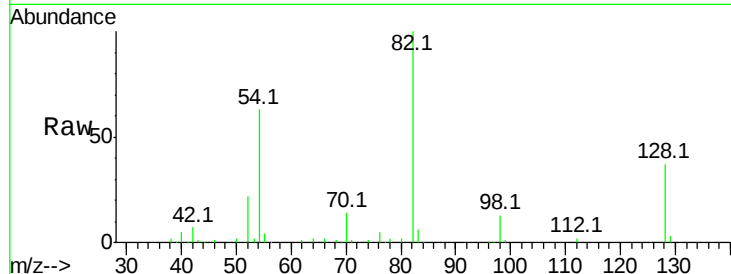
#23
Nitrobenzene-d5
Concen: 74.94 ng
RT: 9.19 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.4	31.4	47.2	
54	62.7	50.0	75.0	

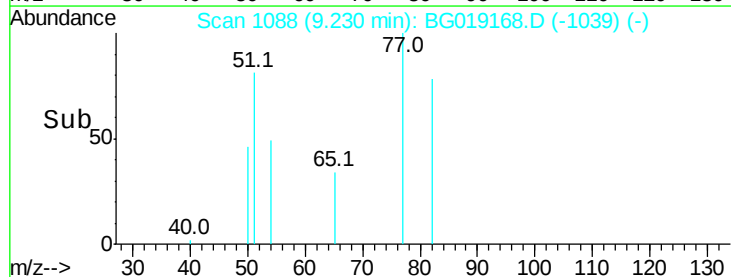
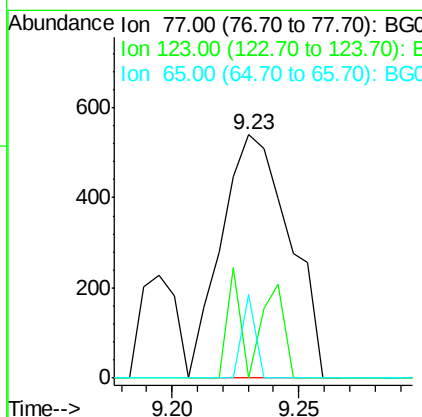
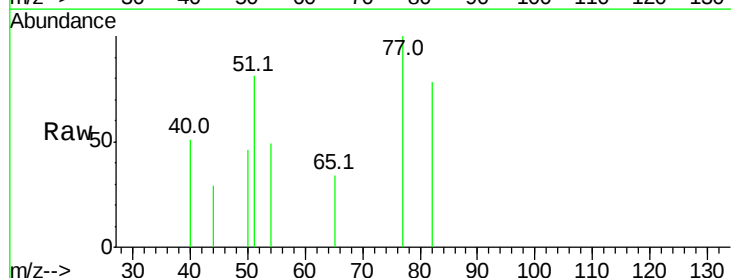
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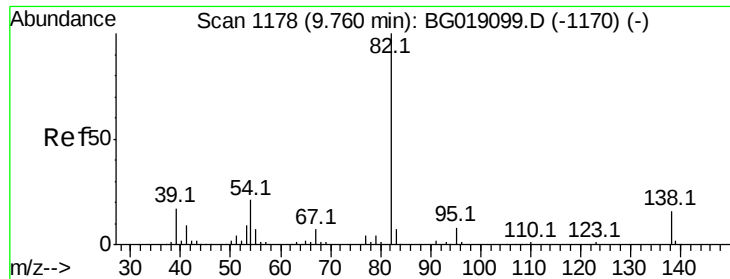
MMdadoda
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#24
Nitrobenzene
Concen: 0.69 ng
RT: 9.23 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	0.0	31.8	47.6#	
65	34.4	11.8	17.6#	





#25

Isophorone

Concen: 0.58 ng

RT: 9.76 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

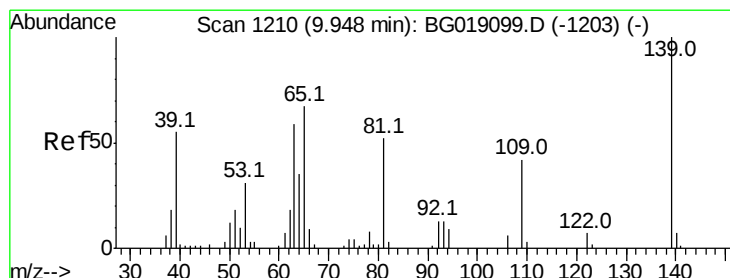
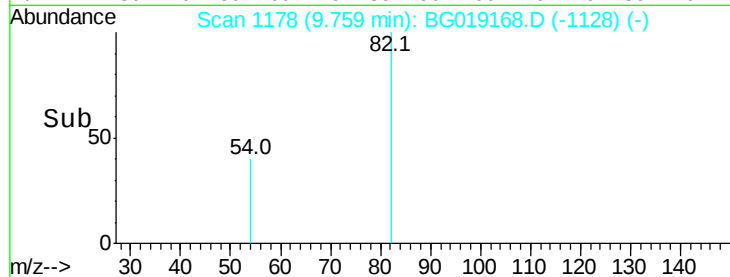
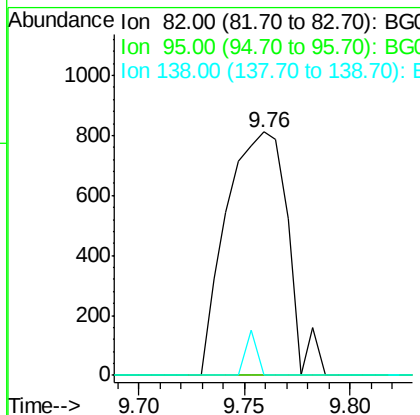
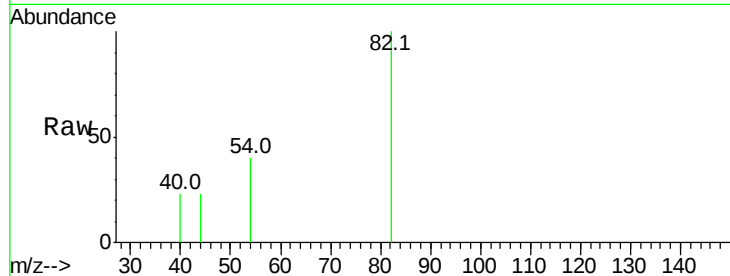
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	82	Resp:	1631
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.7	10.1#
138	0.0	12.6	19.0#

Manual Integrations
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#26

2-Nitrophenol

Concen: 0.47 ng

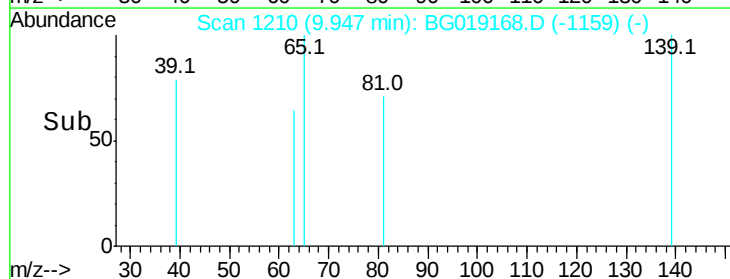
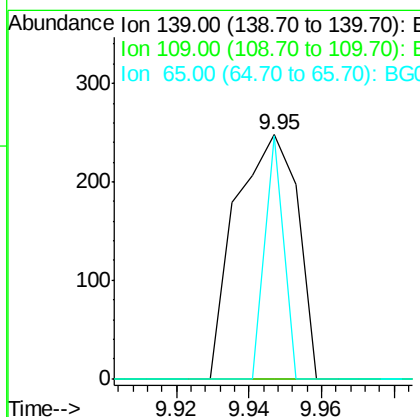
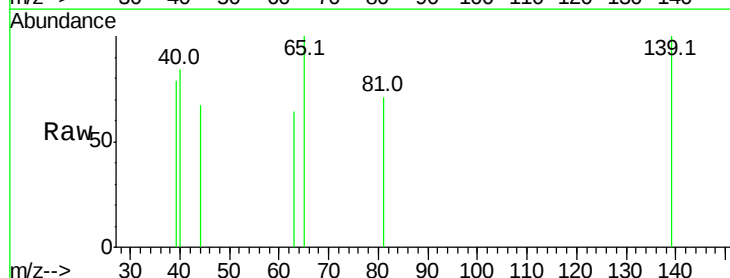
RT: 9.95 min Scan# 1210

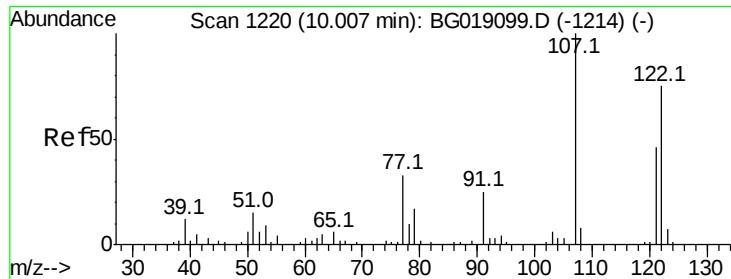
Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	139	Resp:	293
Ion Ratio	Lower	Upper	
139	100		
109	0.0	33.3	49.9#
65	99.6	53.6	80.4#





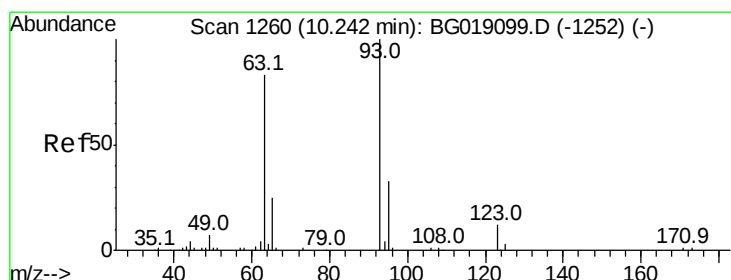
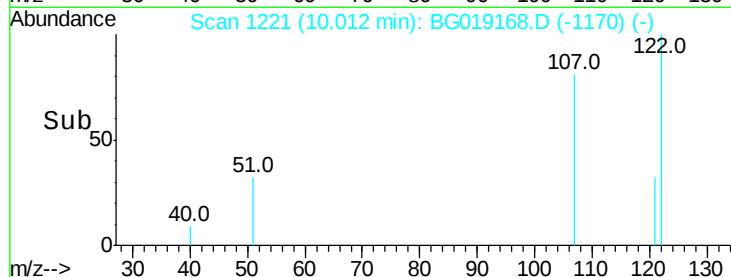
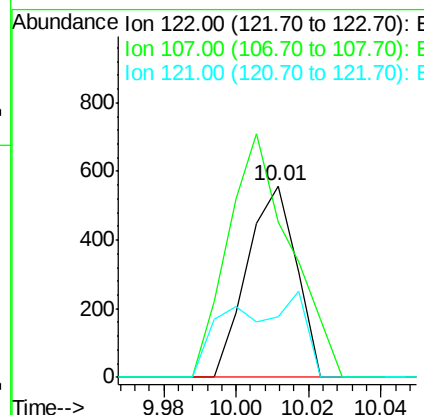
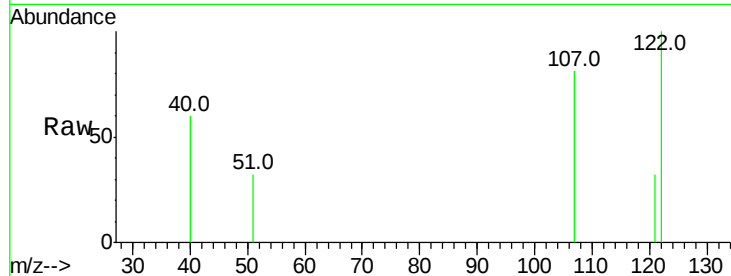
#27
 2,4-Dimethylphenol
 Concen: 0.49 ng
 RT: 10.01 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
122	100		
107	81.1	105.1	157.7#
121	31.6	48.7	73.1#

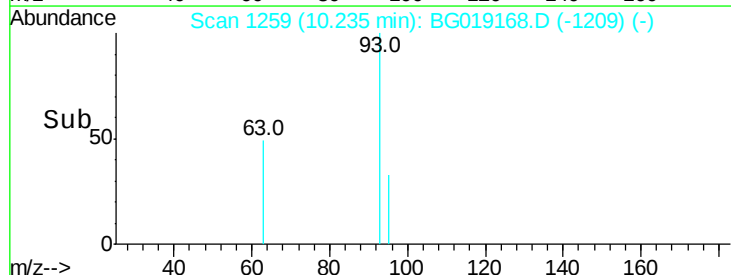
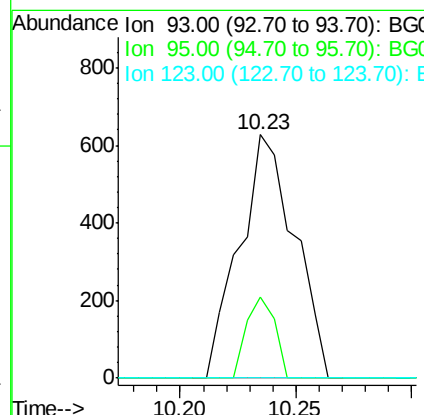
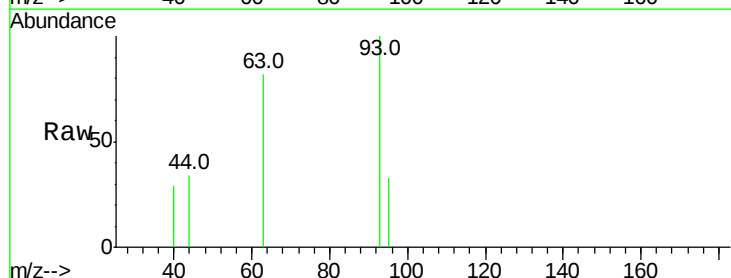
Manual Integrations
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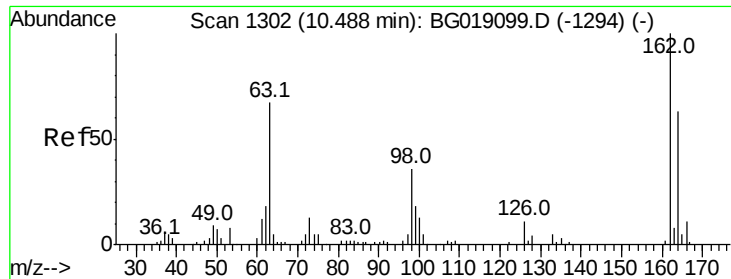
MMdadoda
 10/13/2015 4:32:28 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.70 ng
 RT: 10.23 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.5	39.7
123	0.0	9.4	14.2#





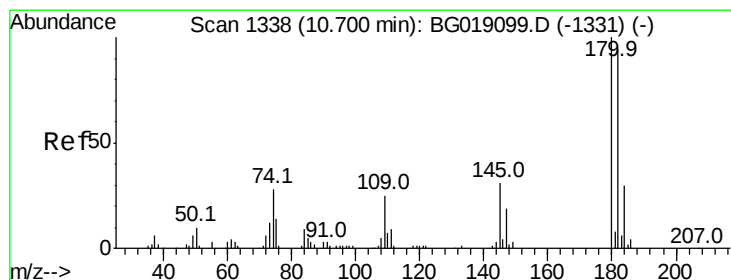
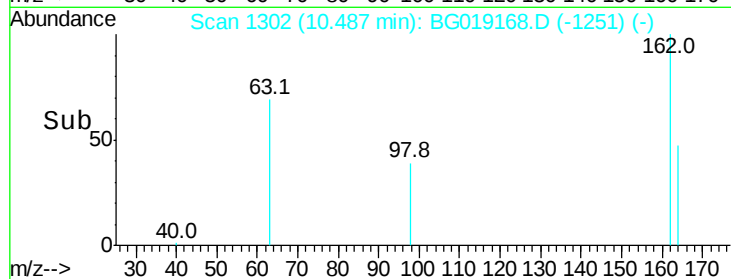
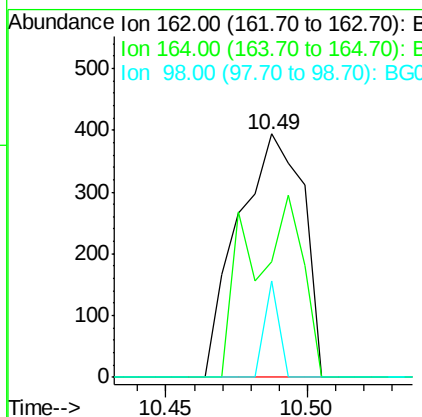
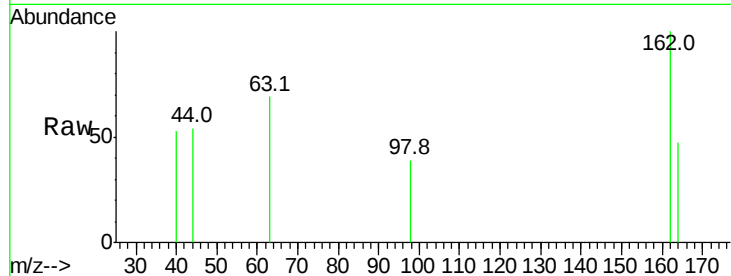
#29
 2,4-Dichlorophenol
 Concen: 0.55 ng
 RT: 10.49 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
162	100		
164	47.5	42.8	82.8
98	39.3	16.1	56.1

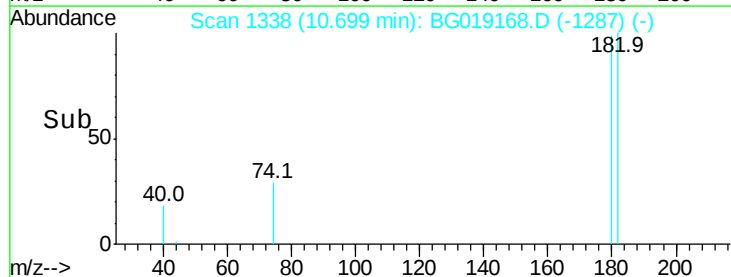
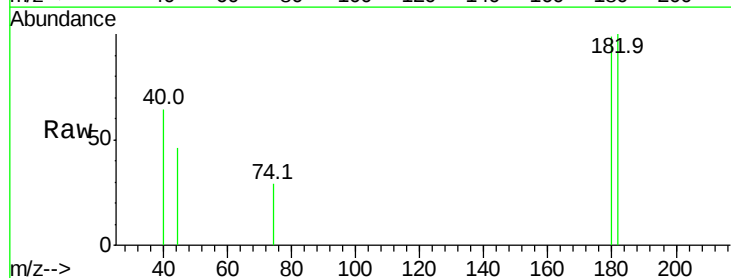
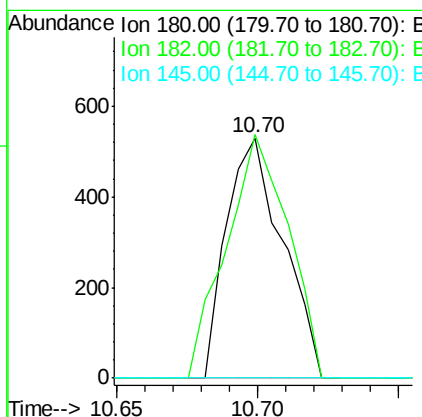
Manual Integrations
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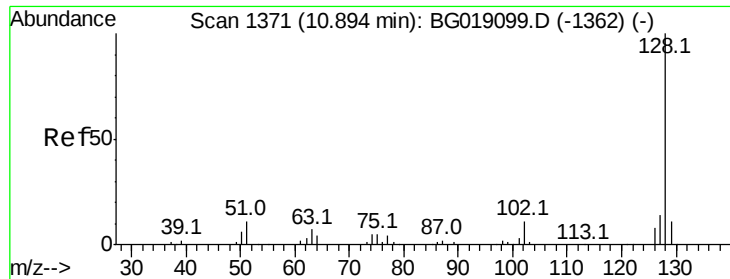
MMdadoda
 10/13/2015 4:32:28 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 0.60 ng
 RT: 10.70 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	75.3	112.9
145	0.0	24.9	37.3





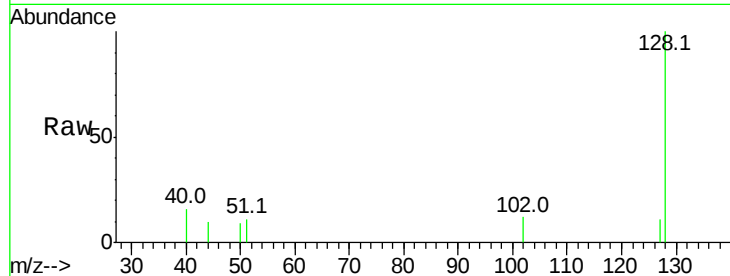
#31
Naphthalene
Concen: 0.71 ng
RT: 10.89 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	12.8#
127	10.8	11.4	17.0#

Manual Integrations
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MMdadoda
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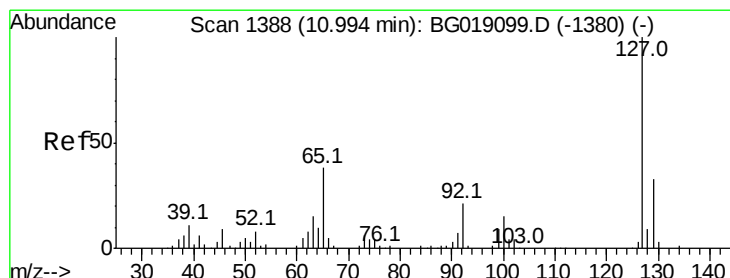
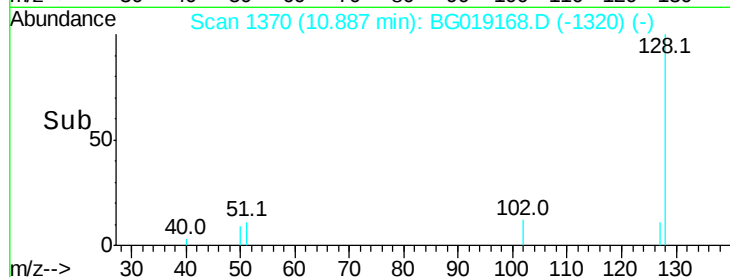
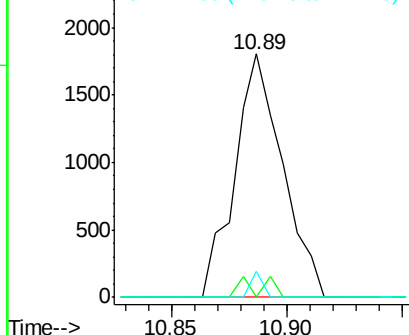


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33
4-Chloroaniline
Concen: 0.44 ng
RT: 11.00 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
127	100		
129	0.0	26.2	39.2#
65	42.8	30.4	45.6
92	0.0	16.9	25.3#

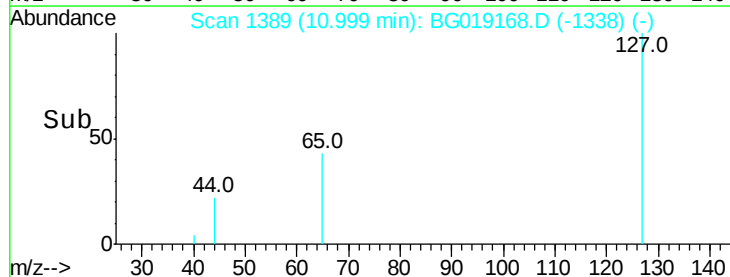
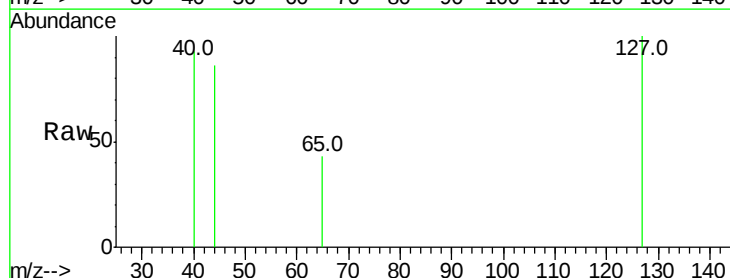
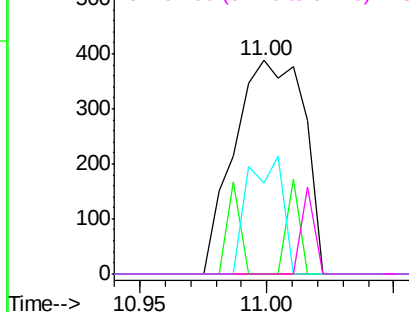
Abundance

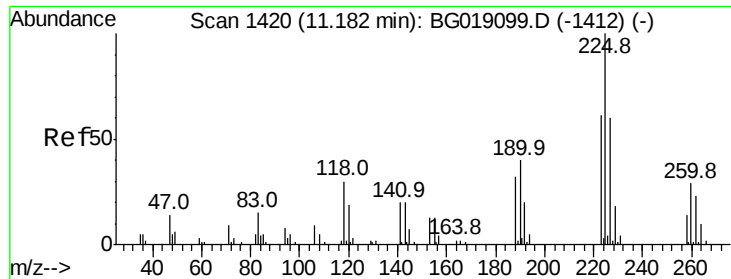
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#34

Hexachlorobutadiene

Concen: 0.70 ng

RT: 11.18 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:225 Resp: 586

Ion Ratio Lower Upper

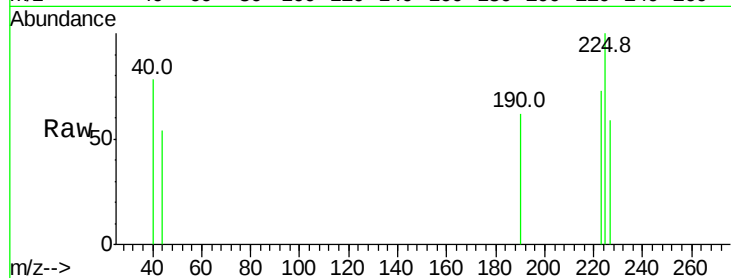
225 100

223 72.7 48.6 72.8

227 58.9 48.1 72.1

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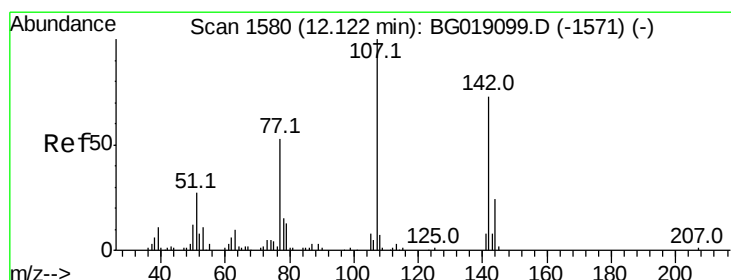
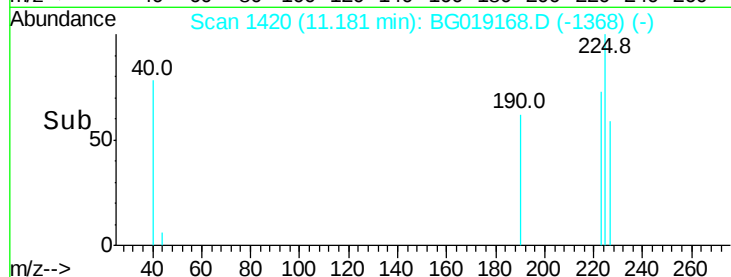
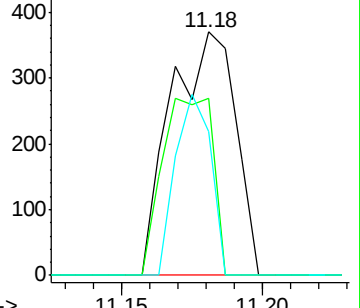
MMdadoda
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Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

4-Chloro-3-methylphenol

Concen: 0.53 ng

RT: 12.12 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

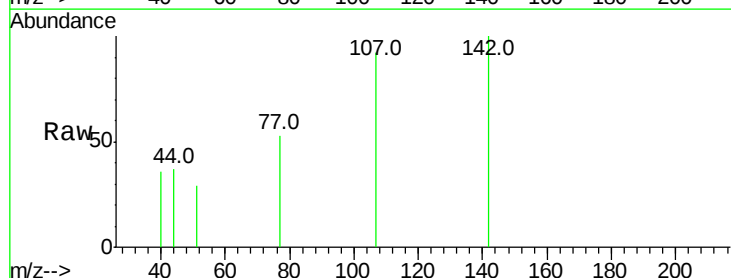
Tgt Ion:107 Resp: 765

Ion Ratio Lower Upper

107 100

144 0.0 19.0 28.6#

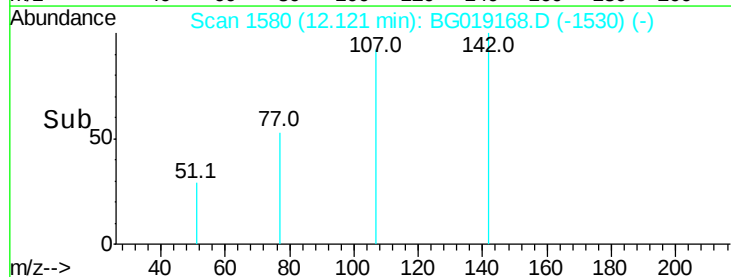
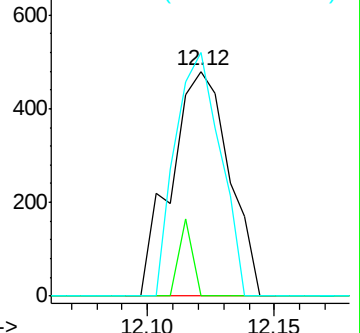
142 108.3 58.5 87.7#

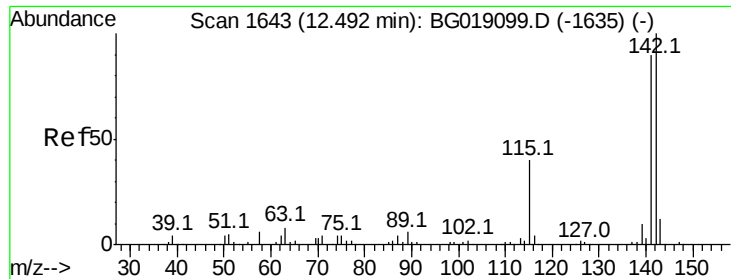


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





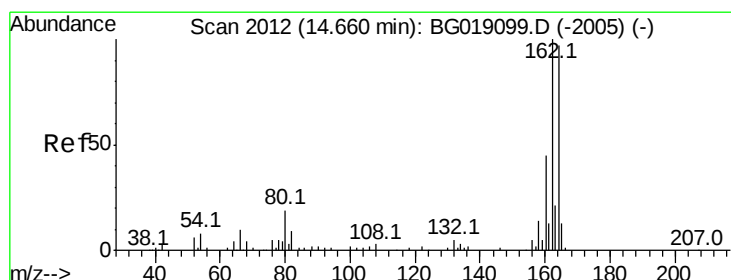
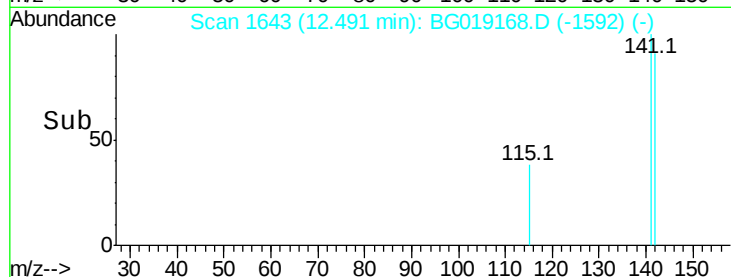
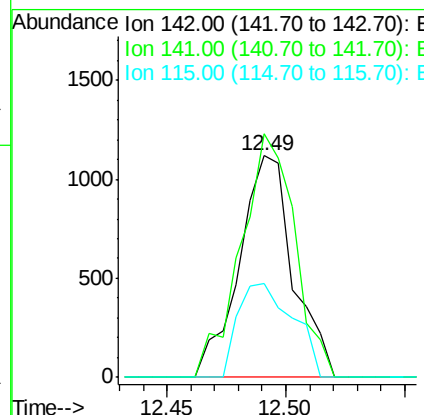
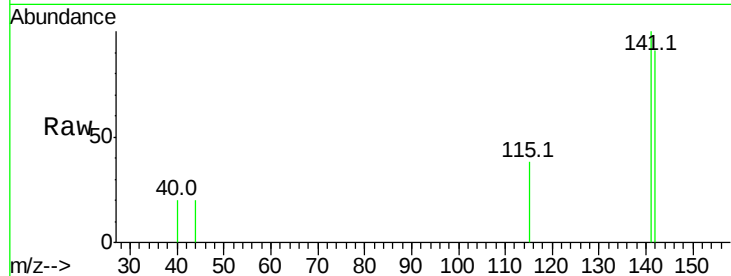
#37
2-Methylnaphthalene
Concen: 0.62 ng
RT: 12.49 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	109.9	72.1	108.1
115	42.2	31.8	47.8

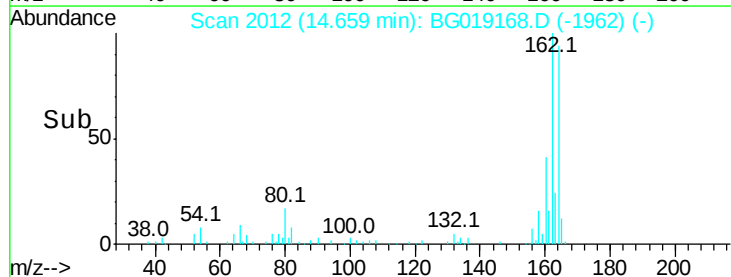
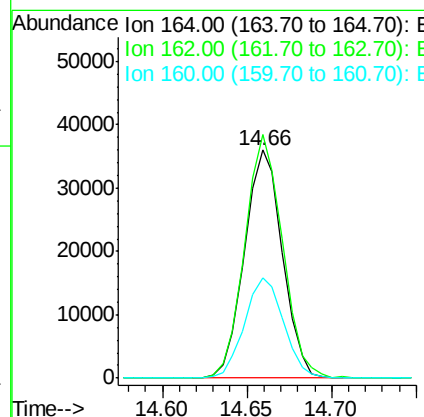
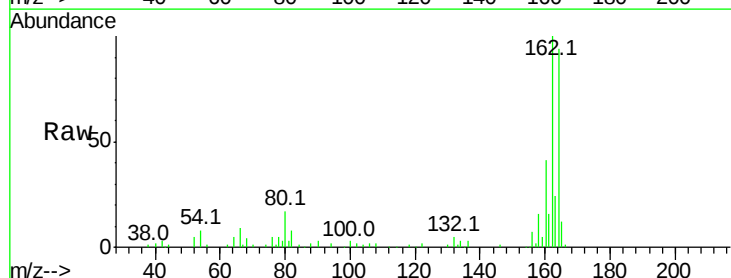
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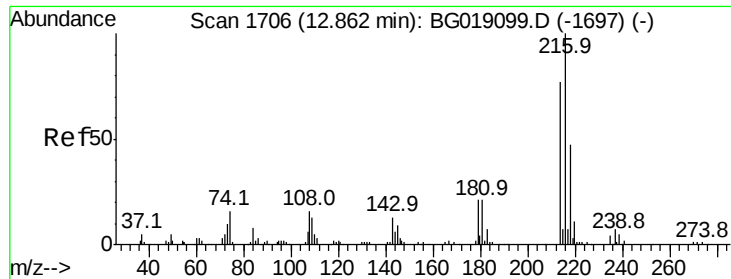
MMdadoda
10/13/2015 4:32:28 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	124.0
160	44.2	36.9	55.3





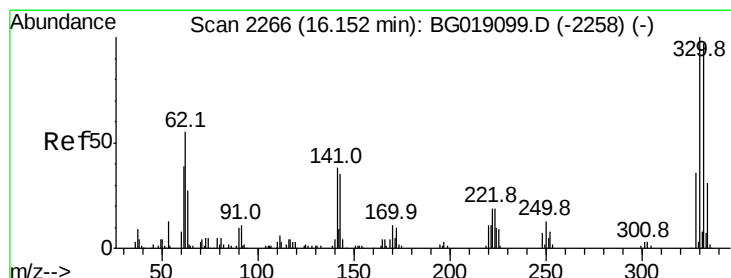
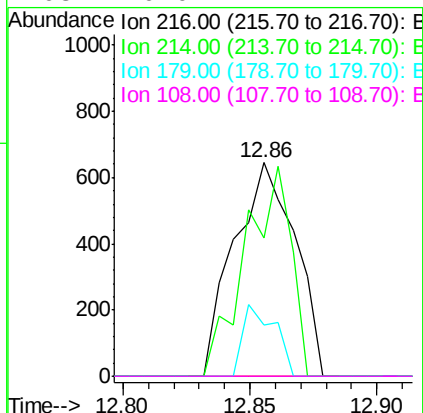
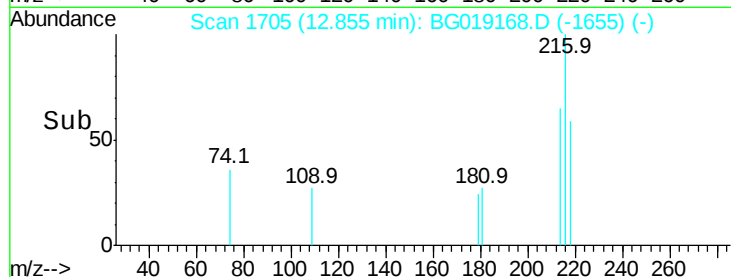
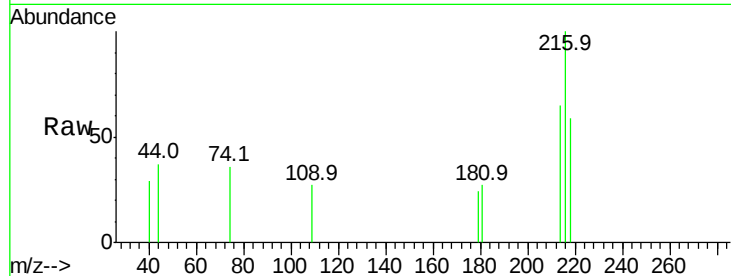
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.67 ng
 RT: 12.86 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Resp	Lower	Upper
216	100	1086		
214	73.6		64.0	96.0
179	17.4		16.9	25.3
108	0.0		14.7	22.1#

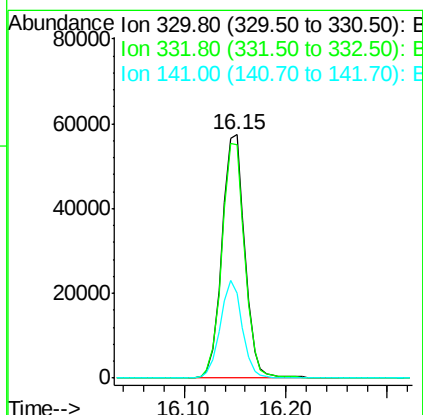
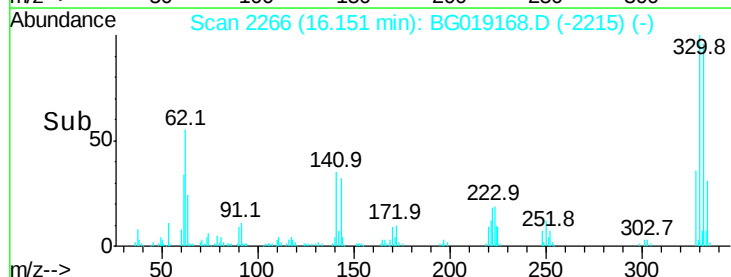
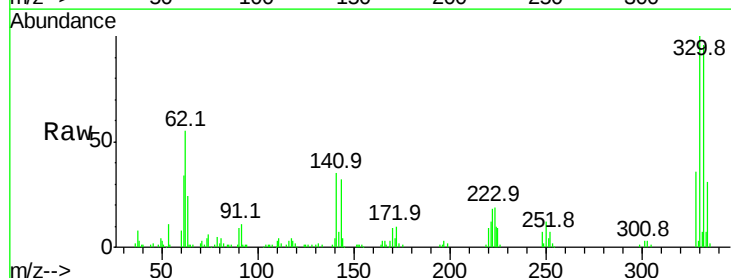
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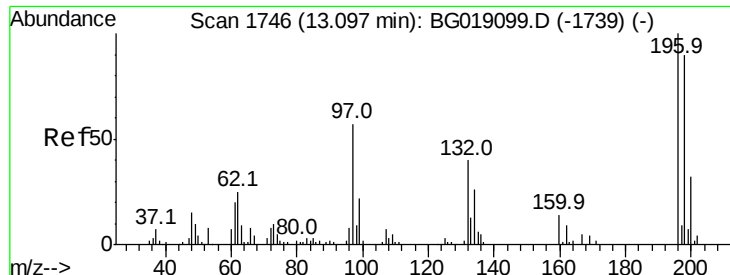
MMdadoda
 10/13/2015 4:32:28 PM



#41
 2,4,6-Tribromophenol
 Concen: 117.35 ng
 RT: 16.15 min Scan# 2266
 Delta R.T. -0.00 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	89864		
332	96.8		77.3	115.9
141	38.5		30.7	46.1





#42

2,4,6-Trichlorophenol

Concen: 0.56 ng

RT: 13.10 min Scan# 1746

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:196 Resp: 631

Ion Ratio Lower Upper

196 100

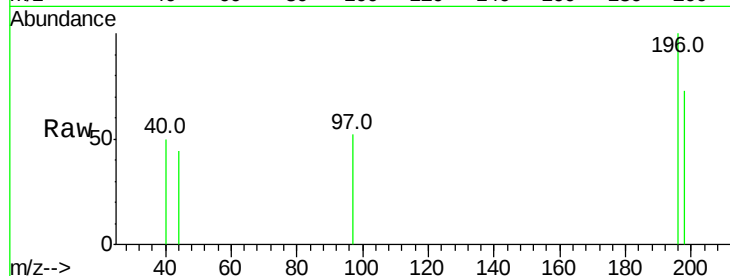
198 72.8 72.0 108.0

200 0.0 25.5 38.3#

Manual Integrations
APPROVED

MMdadoda

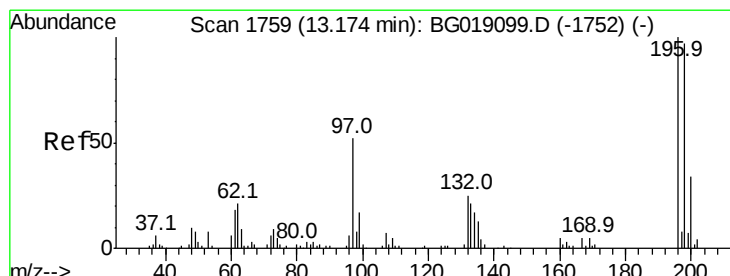
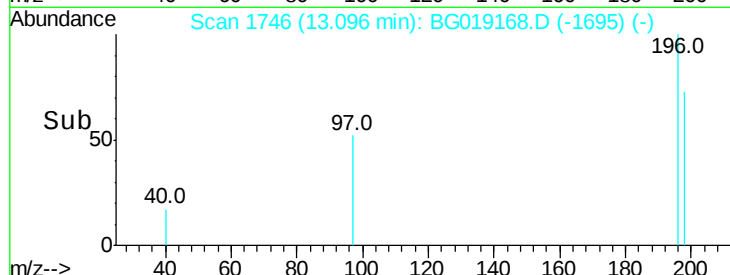
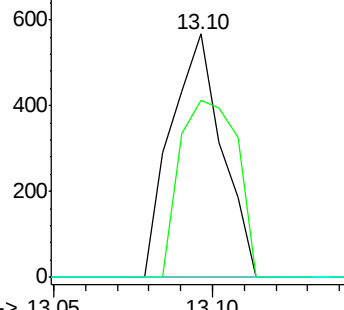
10/13/2015 4:32:28 PM



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 0.53 ng

RT: 13.17 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:196 Resp: 632

Ion Ratio Lower Upper

196 100

198 56.5 77.7 116.5#

97 34.4 41.4 62.2#

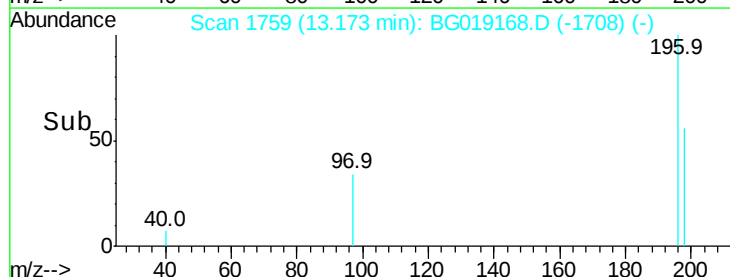
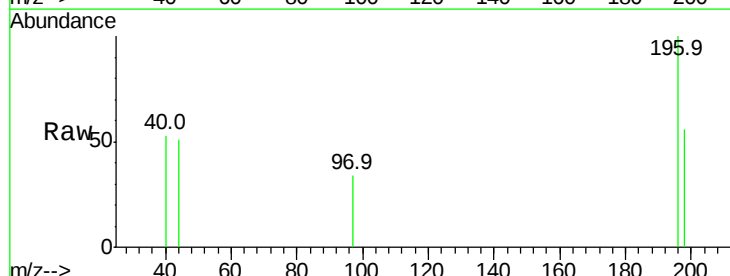
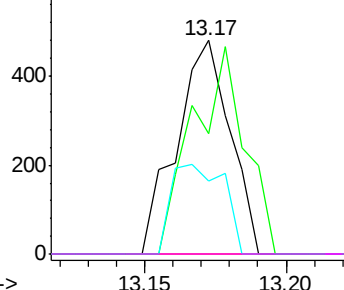
132 0.0 20.6 30.8#

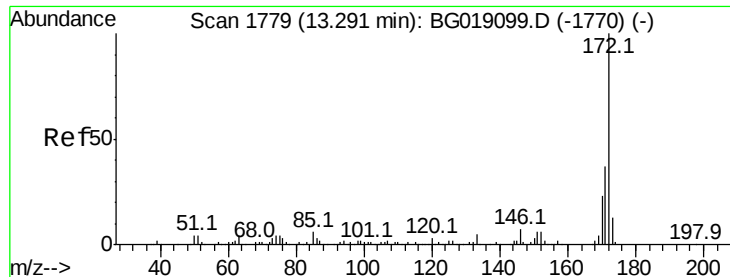
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





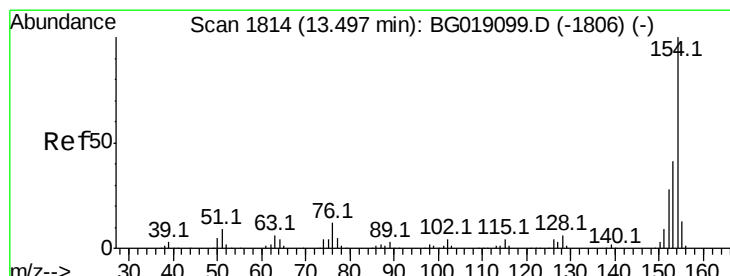
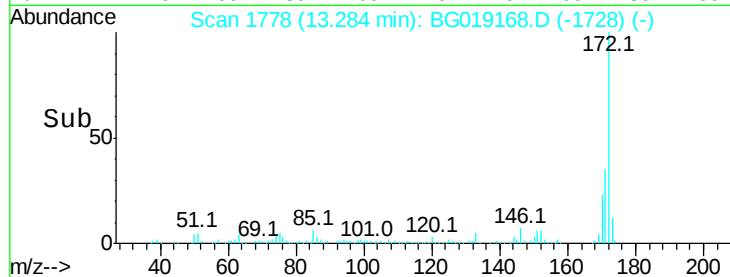
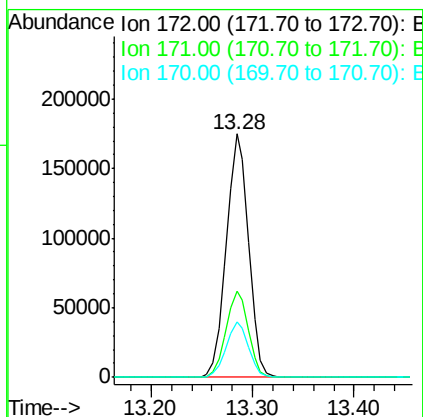
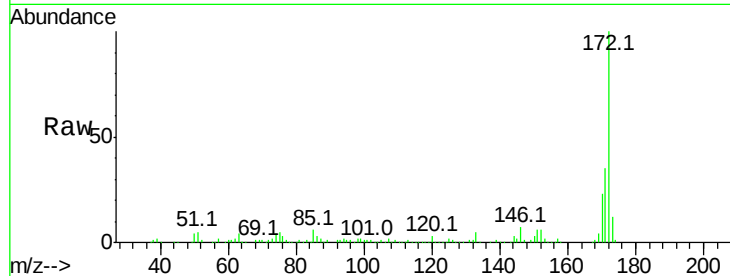
#44
2-Fluorobiphenyl
Concen: 72.54 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	29.9	44.9
170	22.6	18.6	27.8

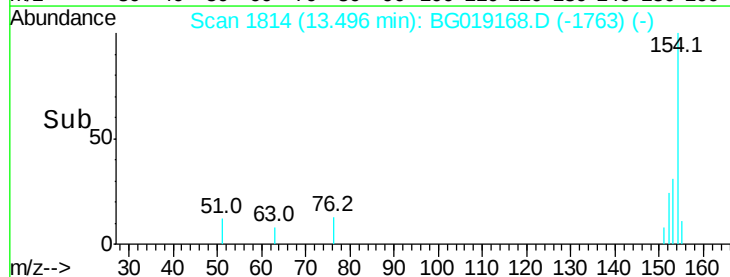
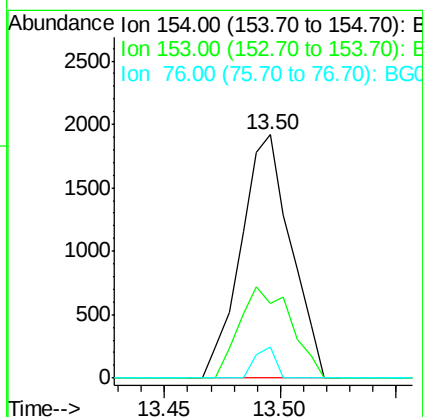
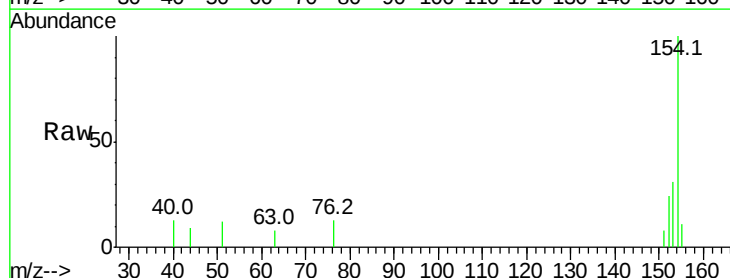
Manual Integrations
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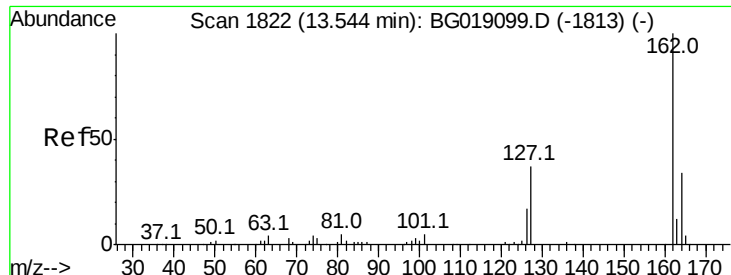
MMdadoda
10/13/2015 4:32:28 PM



#45
1,1'-Biphenyl
Concen: 0.71 ng
RT: 13.50 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	30.6	20.6	60.6
76	12.6	0.0	32.2





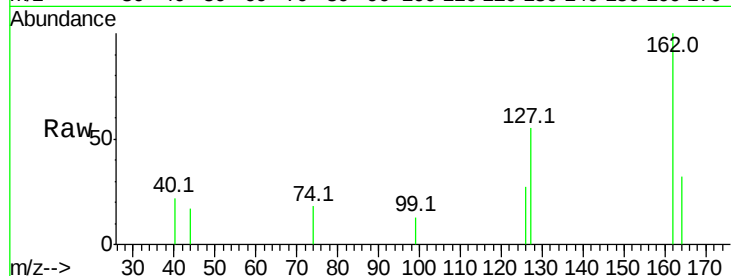
#46
2-Chloronaphthalene
Concen: 0.75 ng
RT: 13.54 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

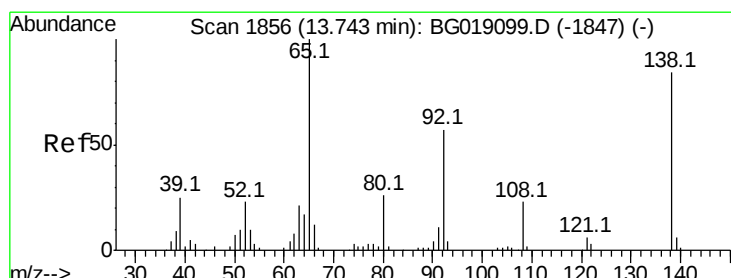
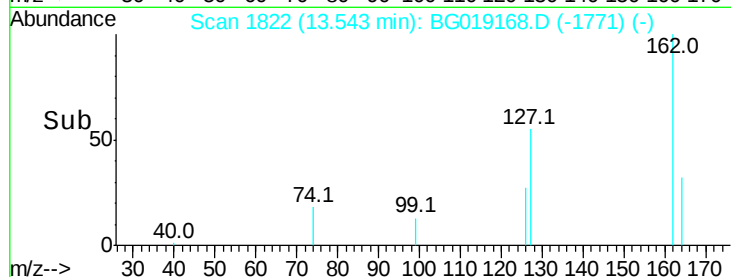
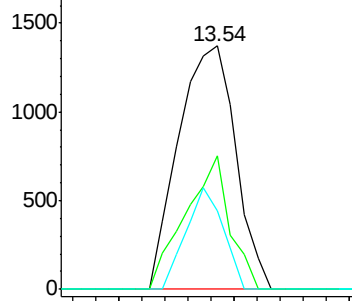
Tot Ion	Ratio	Resp	Lower	Upper
162	100	2356		
127	54.7	32.2	48.4#	
164	32.2	27.3	40.9	

Manual Integrations
APPROVED

MMdadoda
10/13/2015 4:32:28 PM

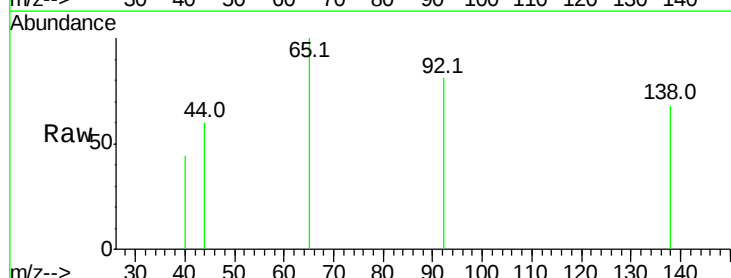


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

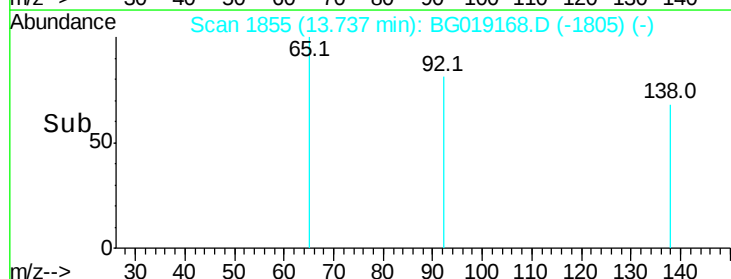
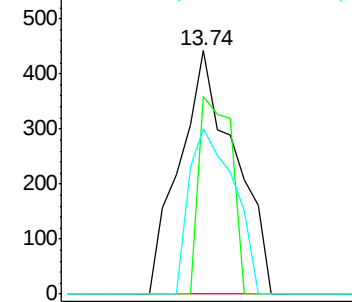


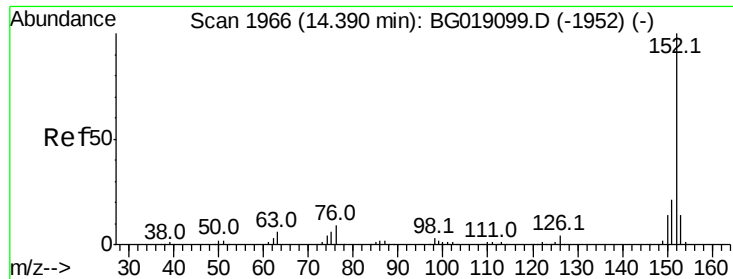
#47
2-Nitroaniline
Concen: 0.58 ng
RT: 13.74 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	732		
92	81.2	45.8	68.8#	
138	67.9	66.9	100.3	



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





#48

Acenaphthylene

Concen: 0.70 ng

RT: 14.38 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG019168.D

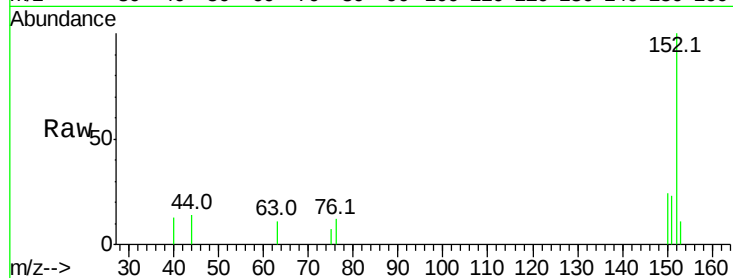
Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleId :

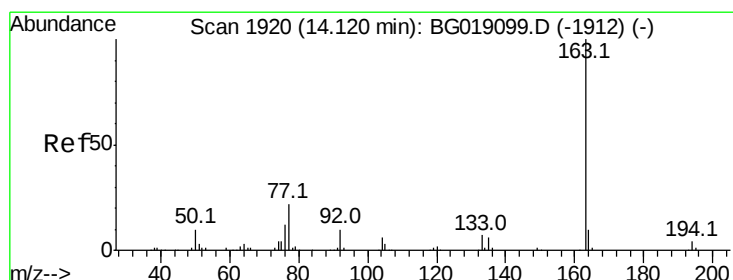
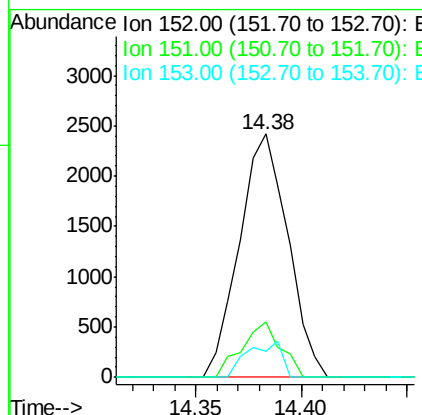
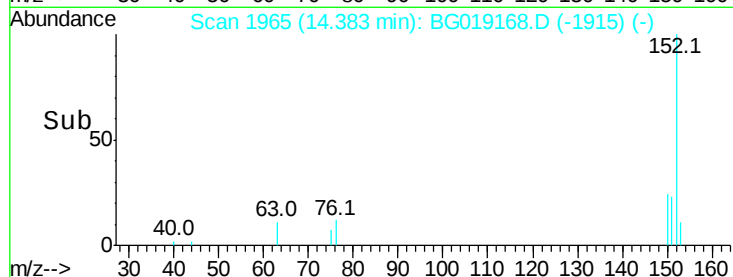
LOD-SOIL2015-01



Tot Ion	Ratio	Lower	Upper
152	100		
151	23.0	16.8	25.2
153	10.9	11.0	16.4#

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#49

Dimethylphthalate

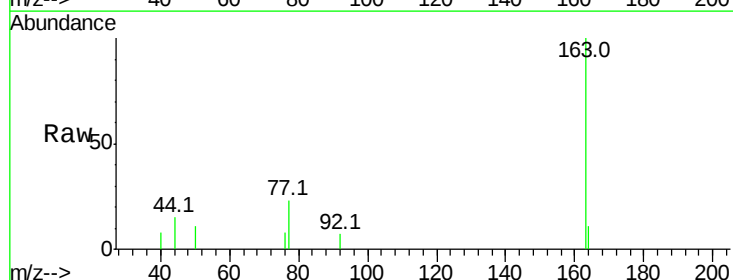
Concen: 0.64 ng

RT: 14.11 min Scan# 1919

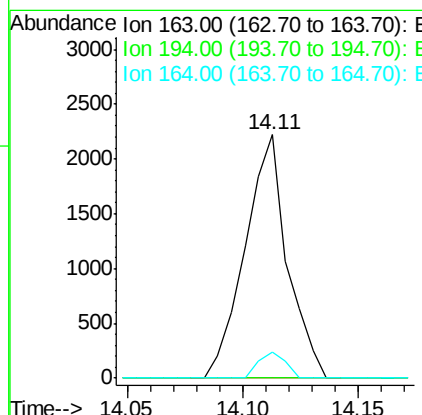
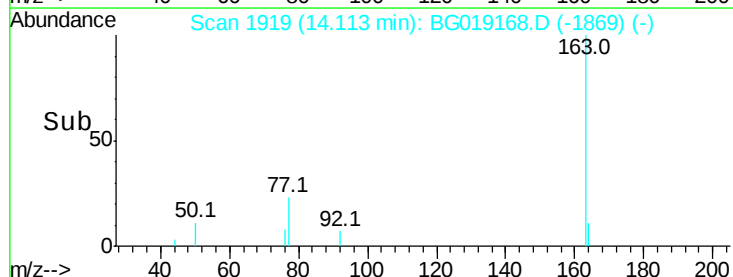
Delta R.T. -0.01 min

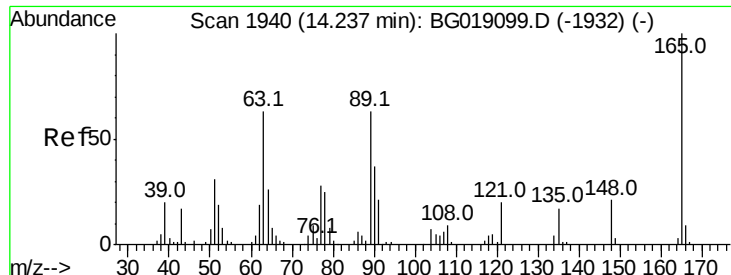
Lab File: BG019168.D

Acq: 12 Oct 2015 21:44



Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.2	4.8#
164	10.8	8.1	12.1





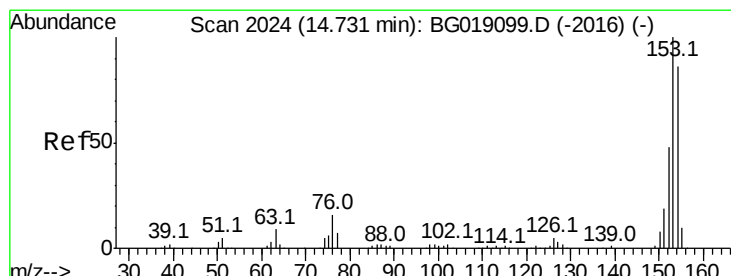
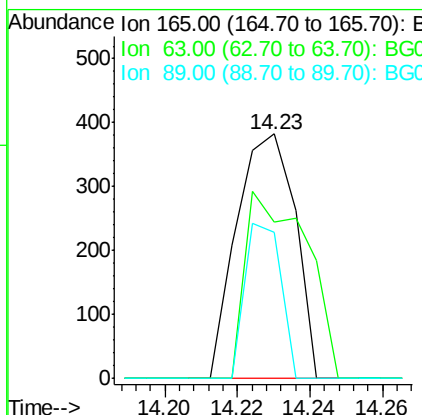
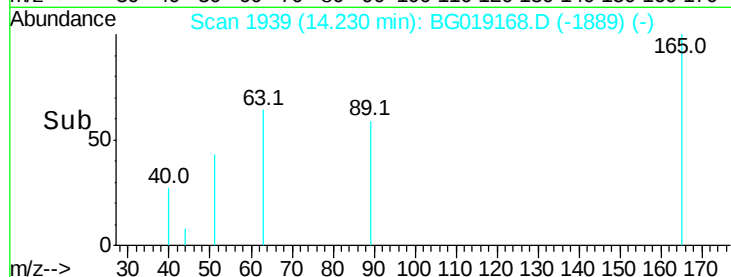
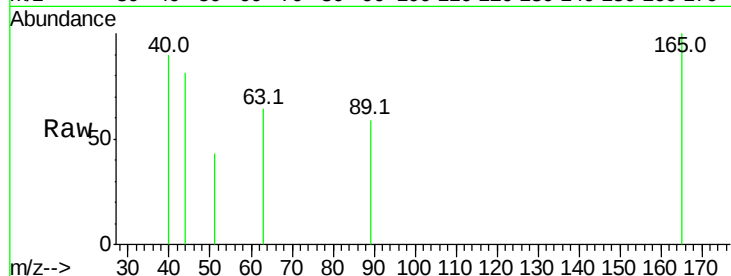
#50
 2,6-Dinitrotoluene
 Concen: 0.45 ng
 RT: 14.23 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:	165	Resp:	426
Ion Ratio	Lower	Upper	
165	100		
63	64.1	52.6	78.8
89	59.4	50.6	76.0

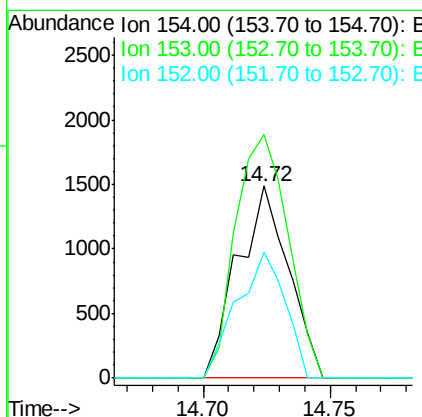
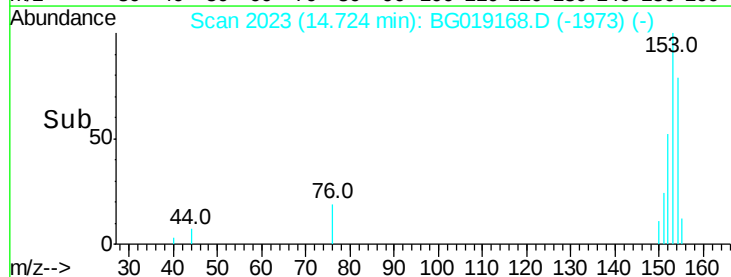
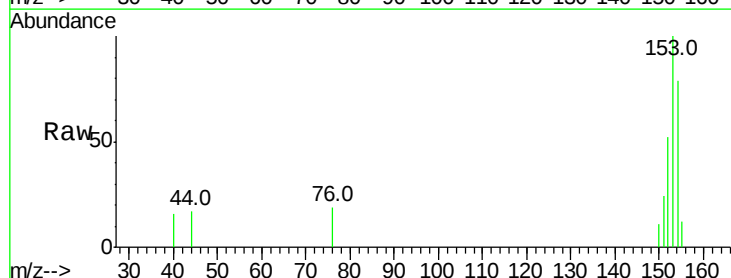
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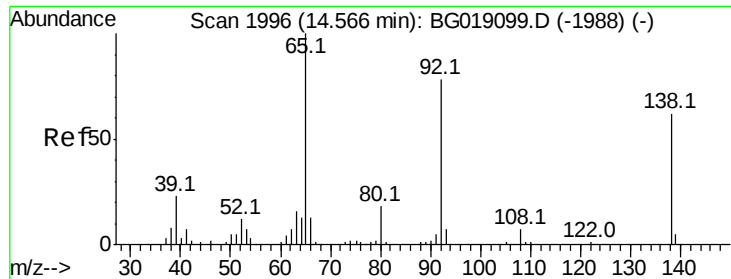
MMdadoda
 10/13/2015 4:32:28 PM



#51
 Acenaphthene
 Concen: 0.62 ng
 RT: 14.72 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion:	154	Resp:	2079
Ion Ratio	Lower	Upper	
154	100		
153	126.7	93.4	140.2
152	65.6	44.9	67.3





#52

3-Nitroaniline

Concen: 0.48 ng

RT: 14.57 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:138 Resp: 505

Ion Ratio Lower Upper

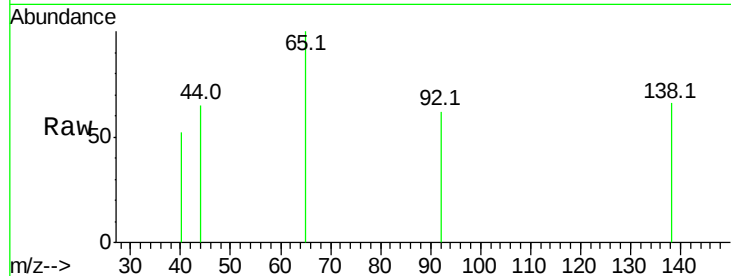
138 100

108 0.0 8.6 13.0#

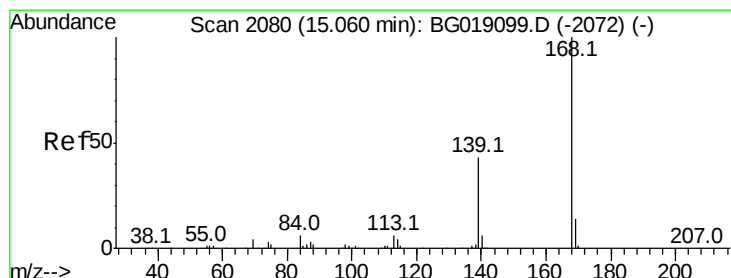
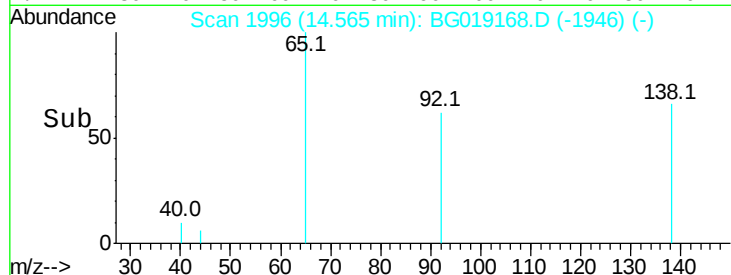
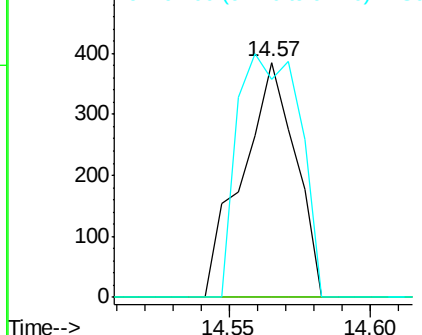
92 93.0 101.4 152.0#

Manual Integrations
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Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): B



#54

Dibenzofuran

Concen: 0.74 ng

RT: 15.06 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

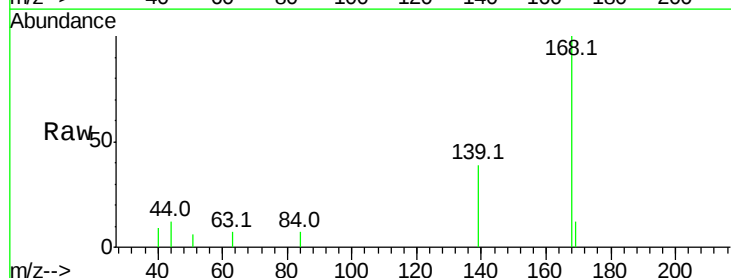
Tgt Ion:168 Resp: 3643

Ion Ratio Lower Upper

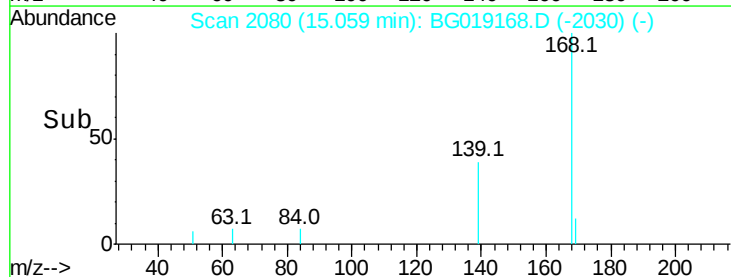
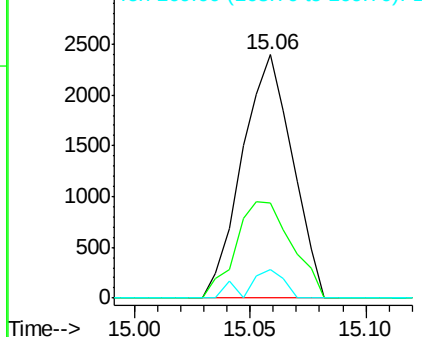
168 100

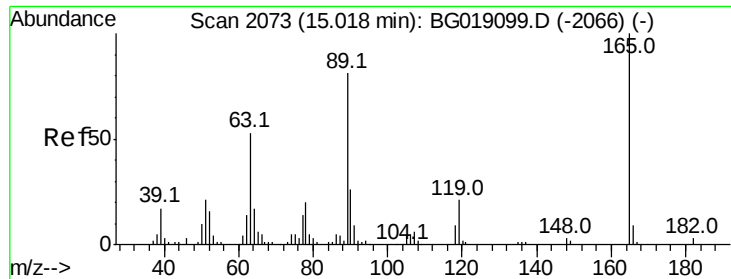
139 39.3 34.2 51.4

169 11.7 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





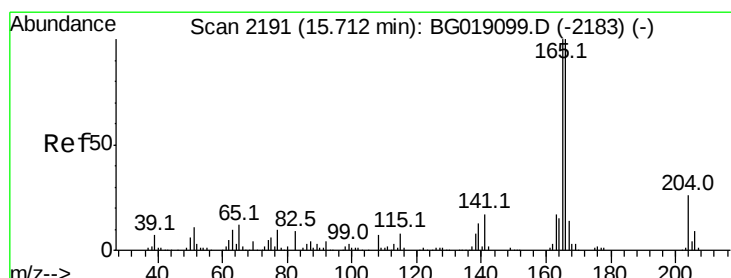
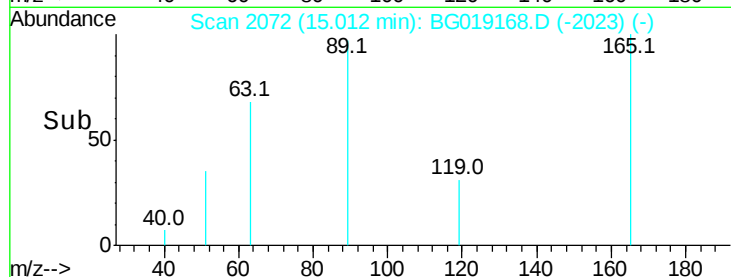
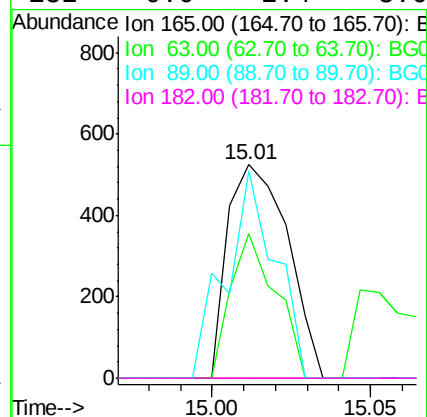
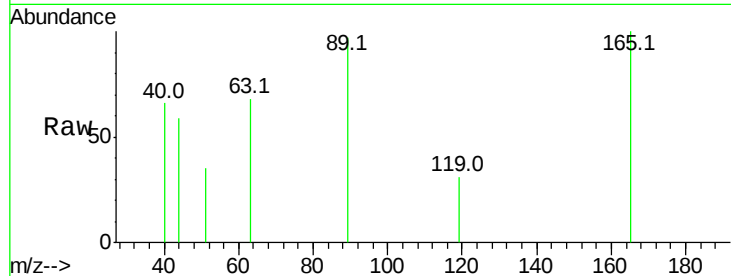
#56
2,4-Dinitrotoluene
Concen: 0.50 ng
RT: 15.01 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	67.6	42.2	63.2#
89	97.0	64.8	97.2
182	0.0	2.4	3.6#

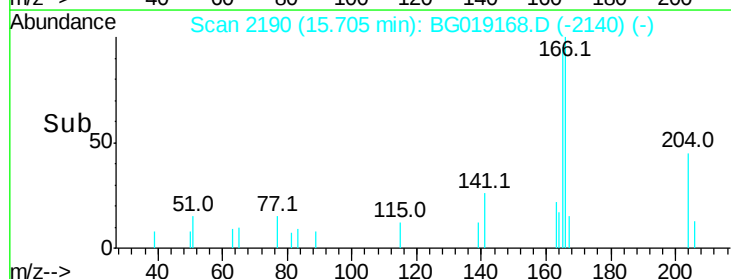
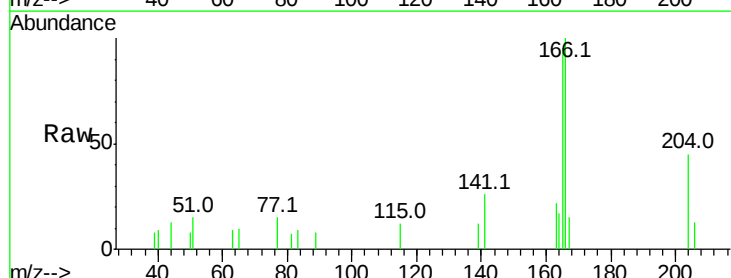
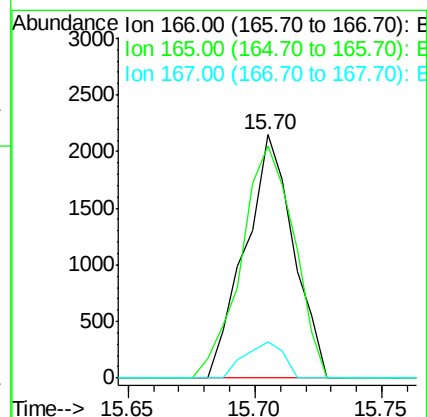
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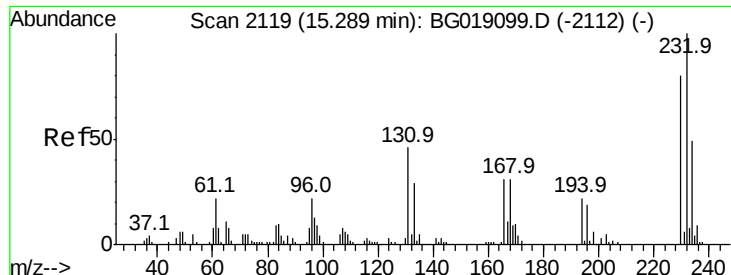
MMdadoda
10/13/2015 4:32:28 PM



#57
Fluorene
Concen: 0.67 ng
RT: 15.70 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.2	80.2	120.2
167	14.7	11.4	17.0





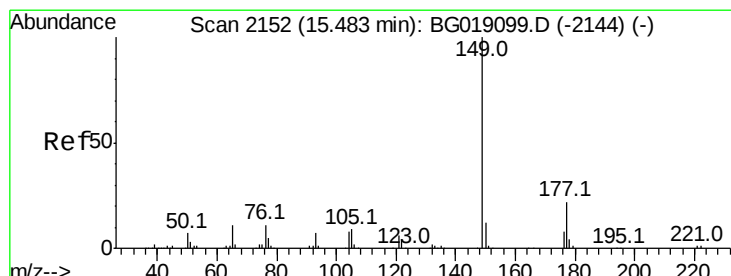
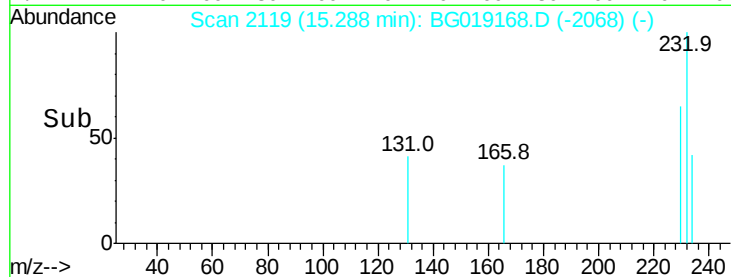
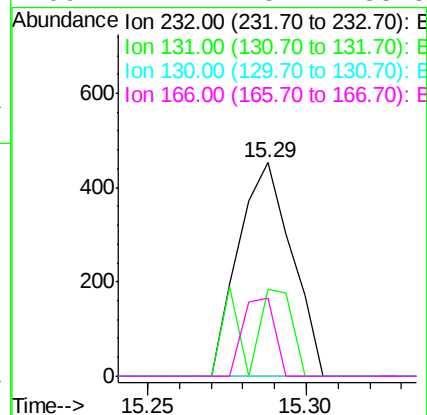
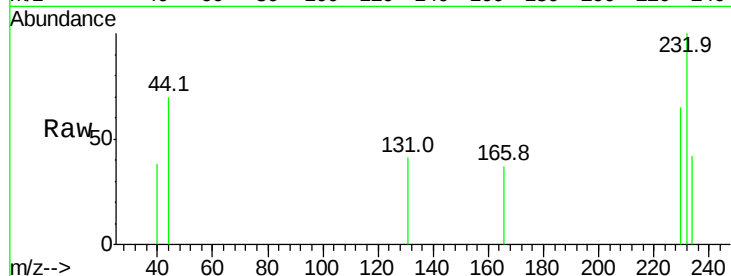
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.46 ng
 RT: 15.29 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
232	100		
131	36.9	36.5	54.7
130	0.0	2.3	3.5#
166	21.7	25.7	38.5#

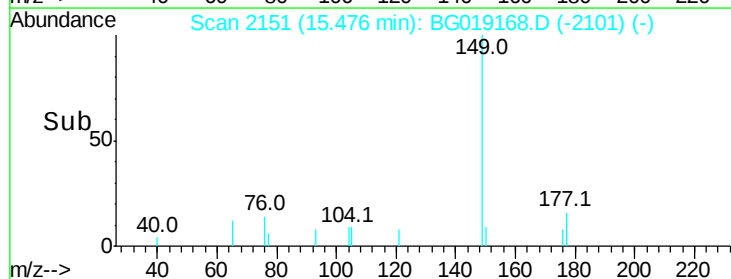
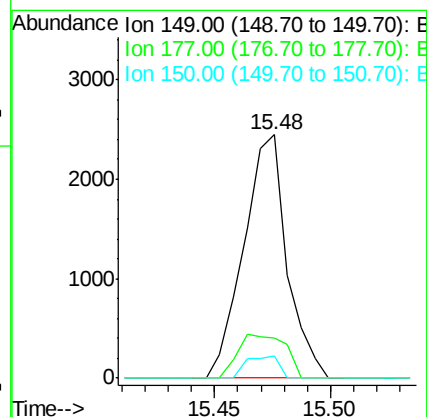
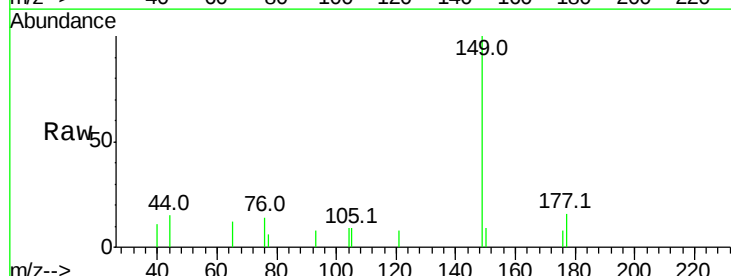
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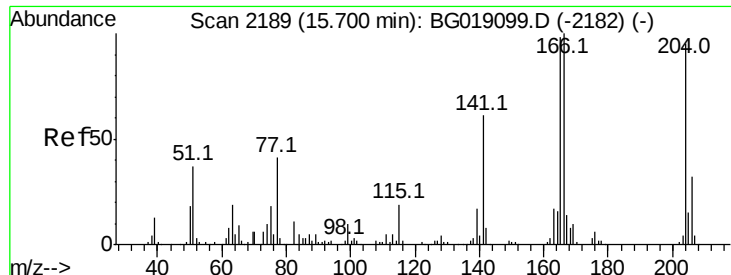
MMdadoda
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#59
 Diethylphthalate
 Concen: 0.69 ng
 RT: 15.48 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
149	100		
177	16.3	17.7	26.5#
150	9.1	9.4	14.2#





#60

4-Chlorophenyl-phenylether

Concen: 0.77 ng

RT: 15.70 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

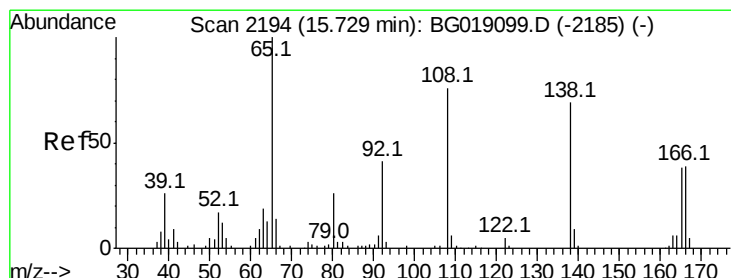
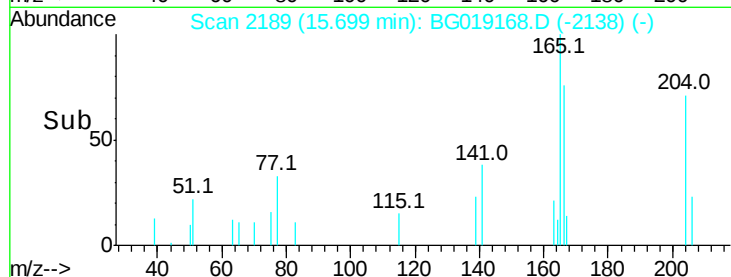
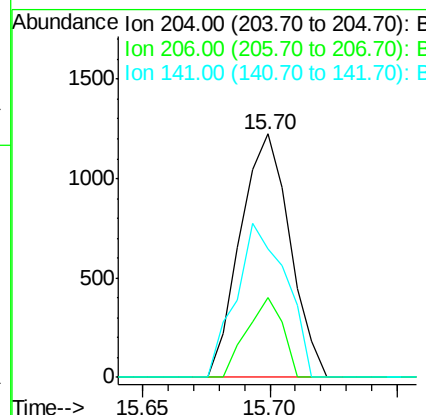
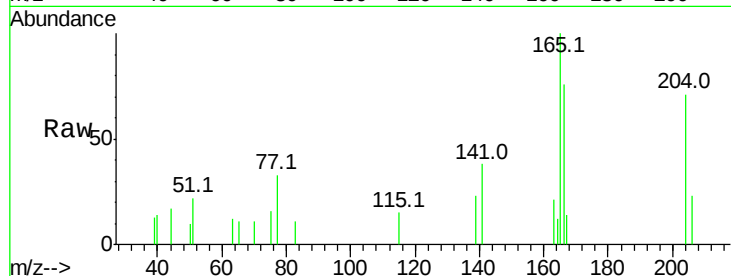
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	204	Resp:	1669
Ion Ratio	Lower	Upper	
204	100		
206	32.9	27.0	40.4
141	52.9	51.9	77.9

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#61

4-Nitroaniline

Concen: 0.31 ng

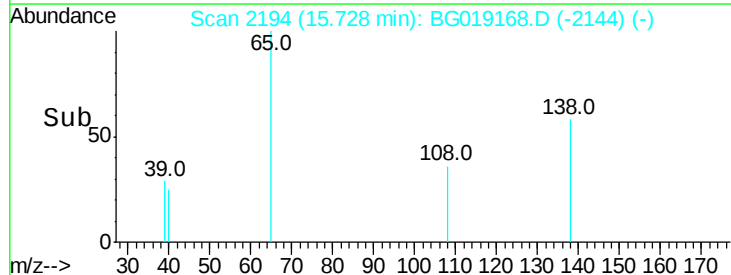
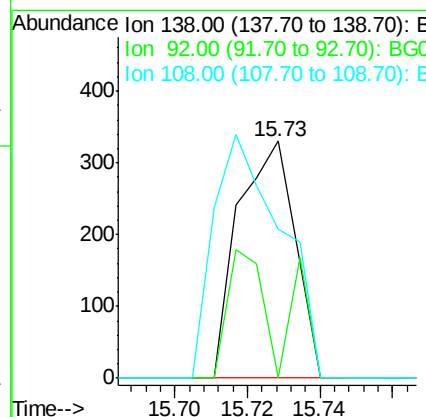
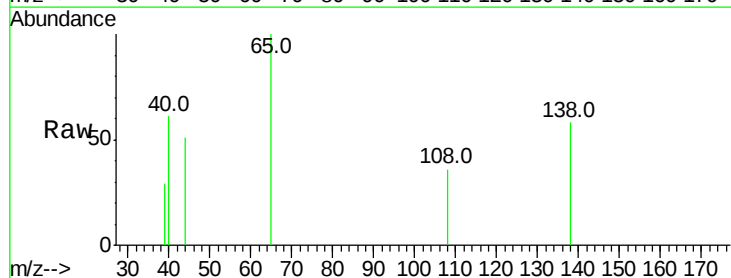
RT: 15.73 min Scan# 2194

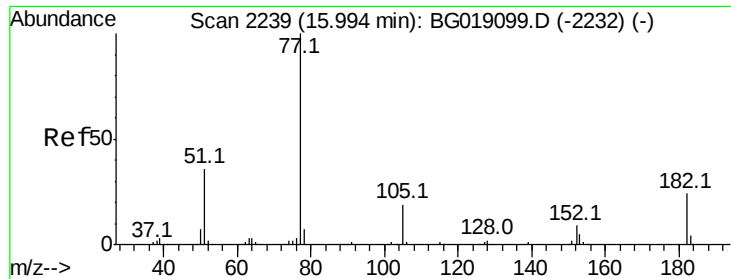
Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	138	Resp:	357
Ion Ratio	Lower	Upper	
138	100		
92	0.0	39.0	79.0#
108	62.7	90.8	130.8#





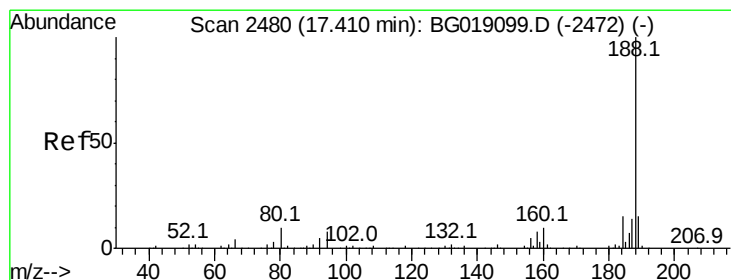
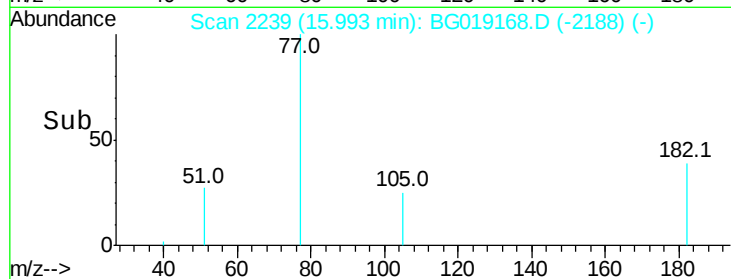
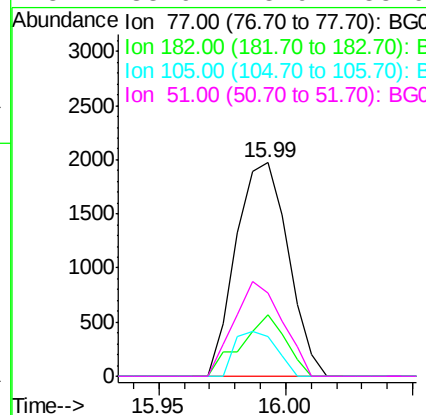
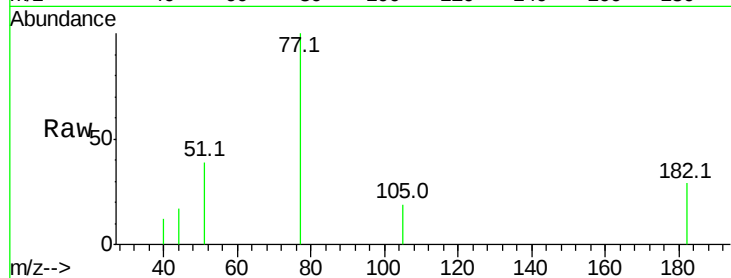
#62
Azobenzene
Concen: 0.66 ng
RT: 15.99 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.0	4.4	44.4
105	18.7	0.0	39.1
51	38.9	15.9	55.9

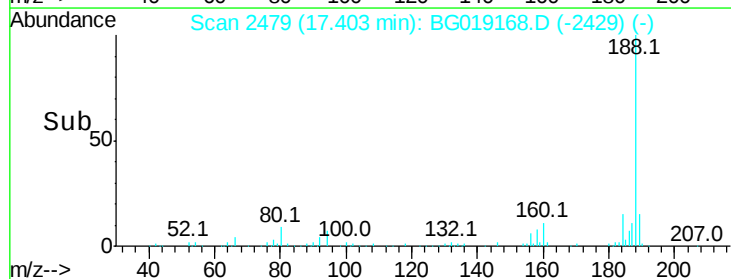
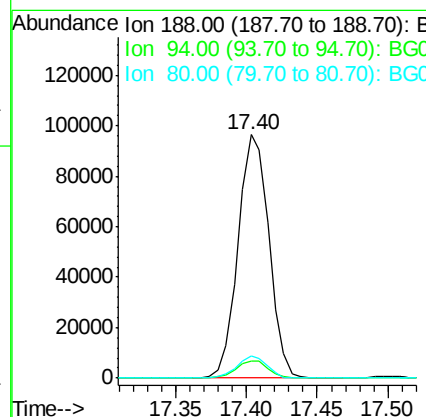
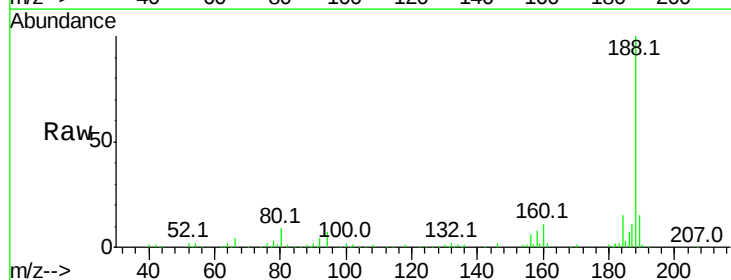
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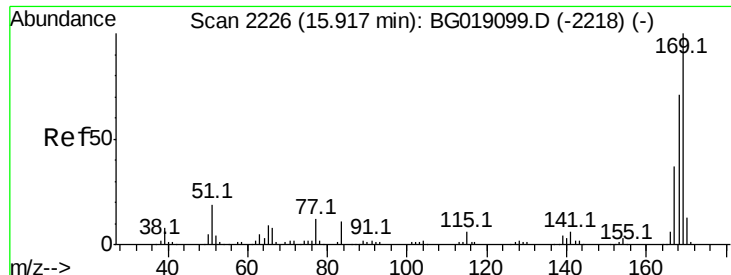
MMdadoda
10/13/2015 4:32:28 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.4	9.6
80	9.3	7.6	11.4





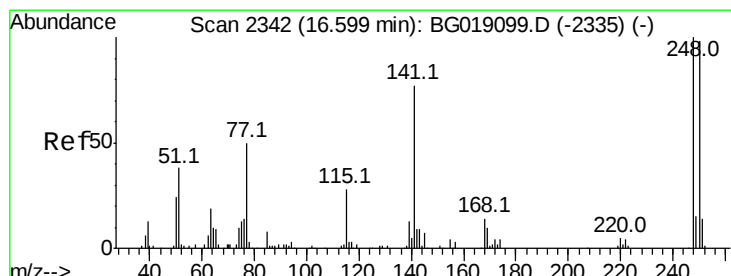
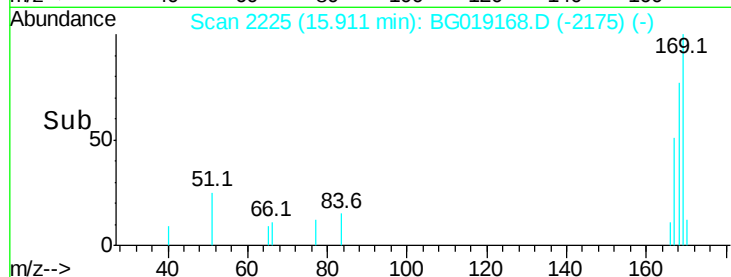
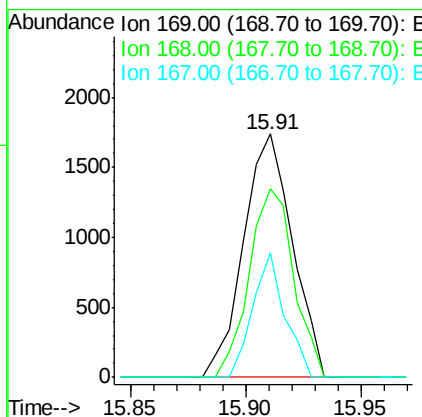
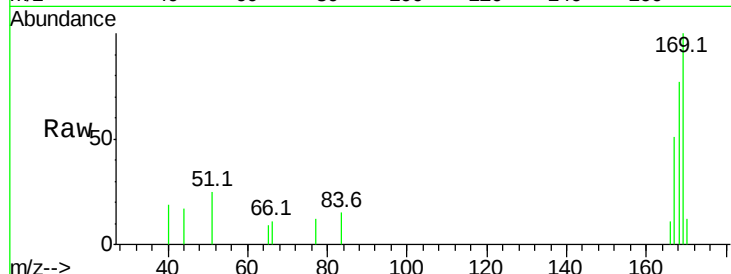
#65
 n-Nitrosodiphenylamine
 Concen: 0.63 ng
 RT: 15.91 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
169	100		
168	77.4	56.6	84.8
167	51.1	30.0	45.0

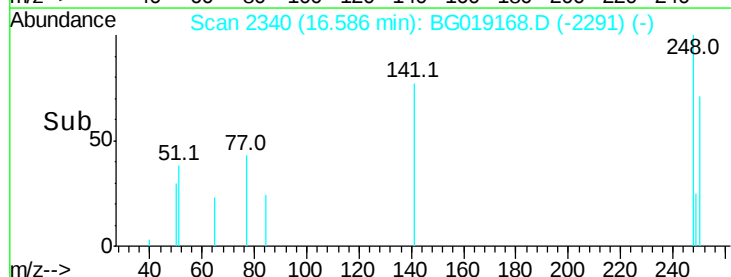
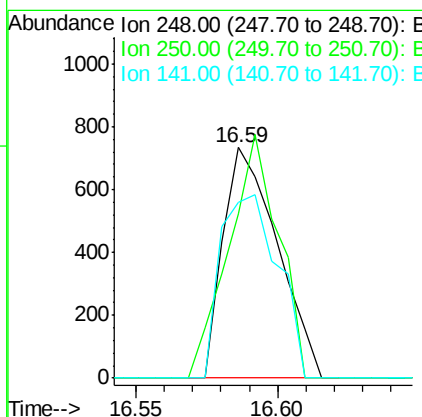
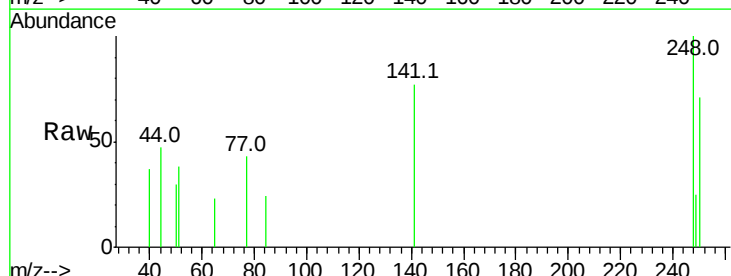
Manual Integrations
 APPROVED

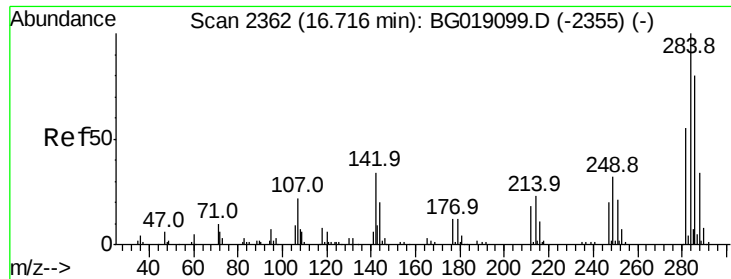
MMdadoda
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#66
 4-Bromophenyl-phenylether
 Concen: 0.65 ng
 RT: 16.59 min Scan# 2340
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
248	100		
250	71.2	78.4	117.6
141	76.5	61.7	92.5





#67

Hexachlorobenzene

Concen: 0.65 ng

RT: 16.70 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

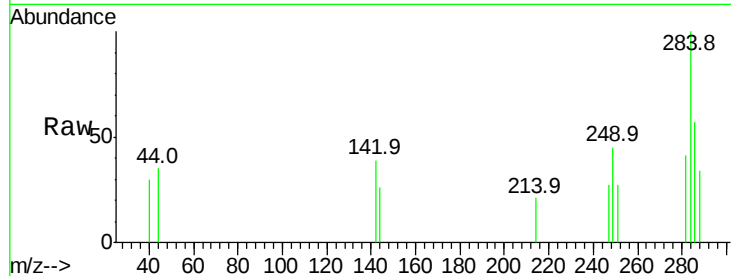
ClientSampleId :

LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
284	100		
142	39.4	27.0	40.4
249	45.2	25.4	38.2

Manual Integrations
APPROVED

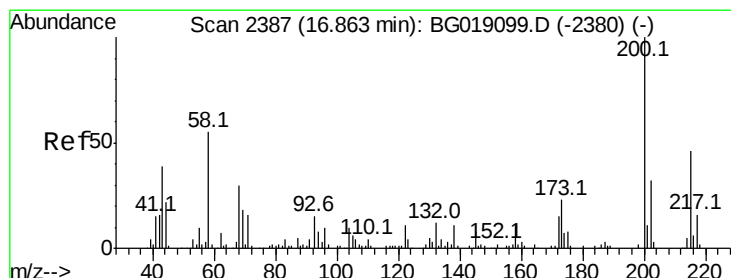
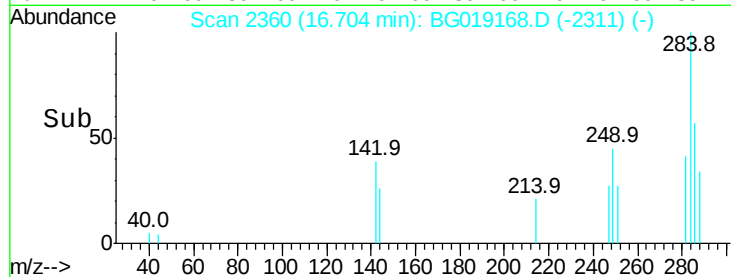
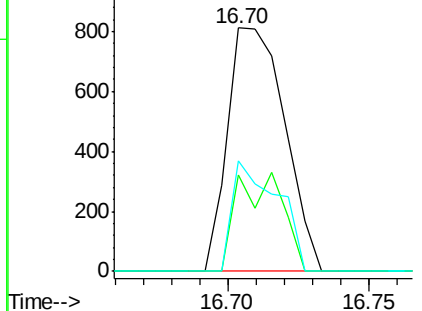
MMdadoda
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 0.58 ng

RT: 16.86 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BG019168.D

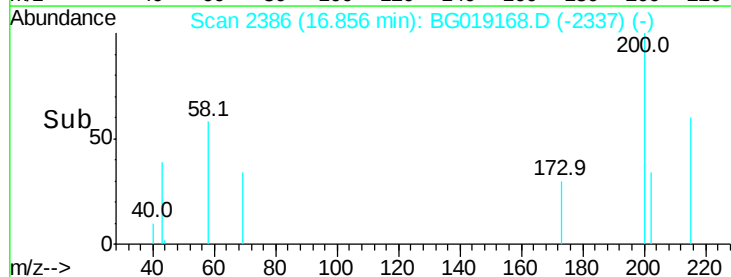
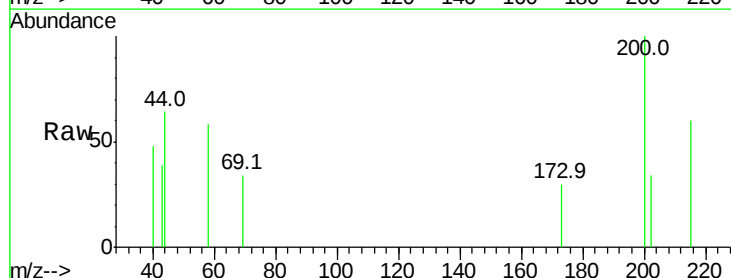
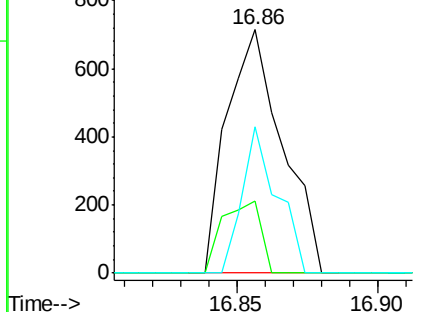
Acq: 12 Oct 2015 21:44

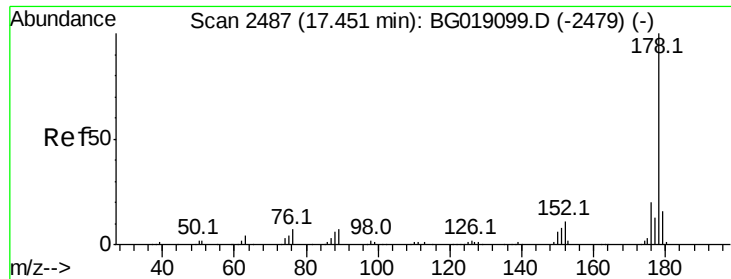
Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.7	3.3	43.3
215	59.9	26.4	66.4

Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





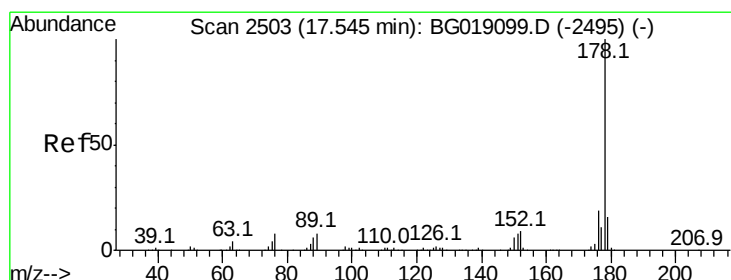
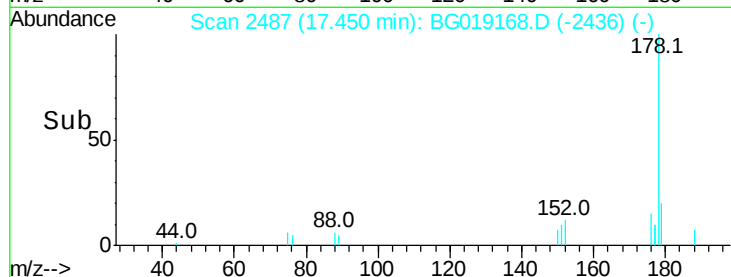
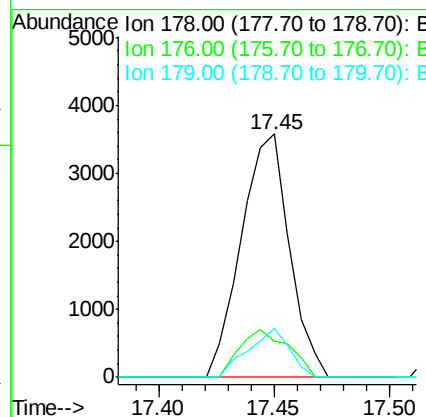
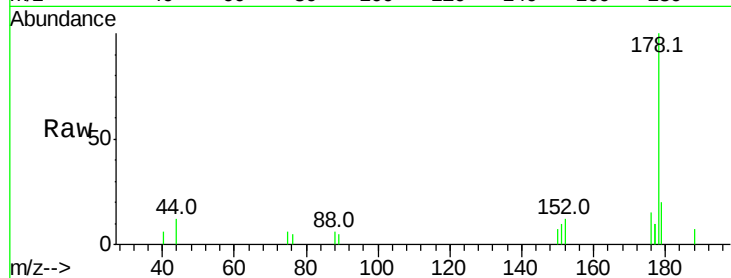
#70
Phenanthrene
Concen: 0.69 ng
RT: 17.45 min Scan# 2487
Delta R.T. -0.00 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.2	16.3	24.5#
179	20.3	12.8	19.2#

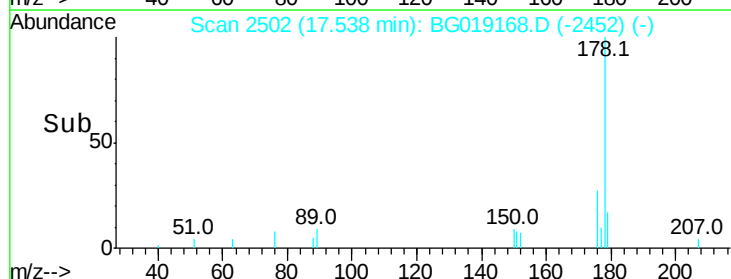
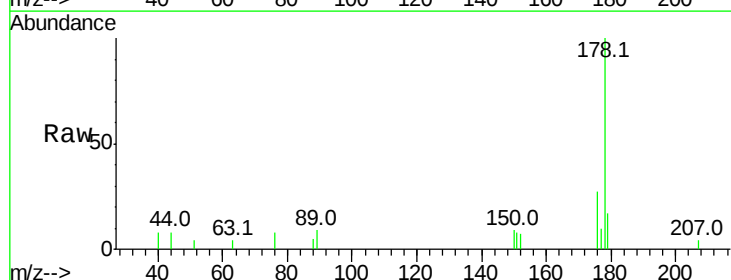
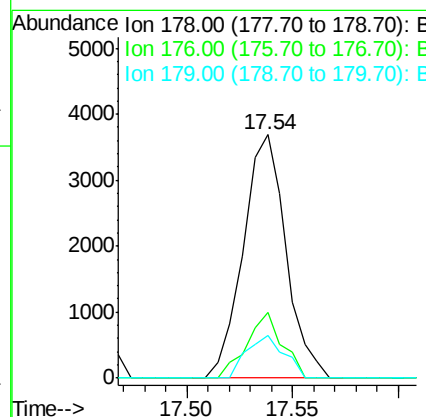
Manual Integrations
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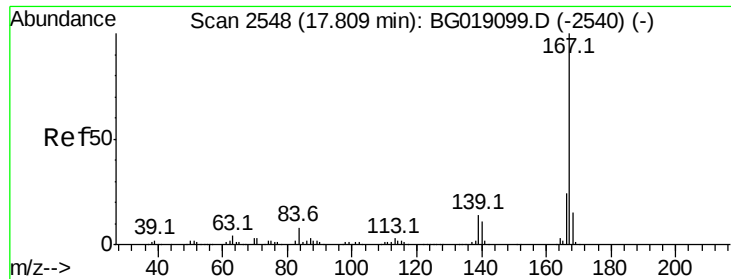
MMdadoda
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#71
Anthracene
Concen: 0.68 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	27.0	15.5	23.3#
179	17.3	12.9	19.3





#72

Carbazole

Concen: 0.60 ng

RT: 17.81 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BG019168.D

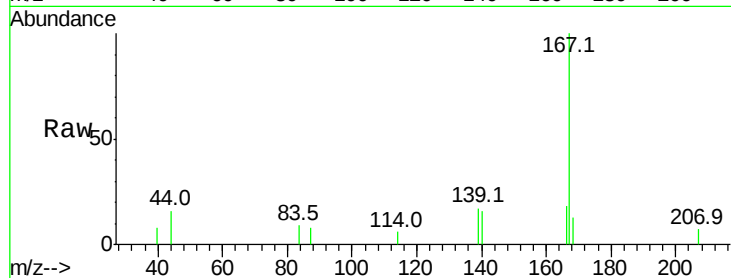
Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01



Tot Ion:167 Resp: 4255

Ion Ratio Lower Upper

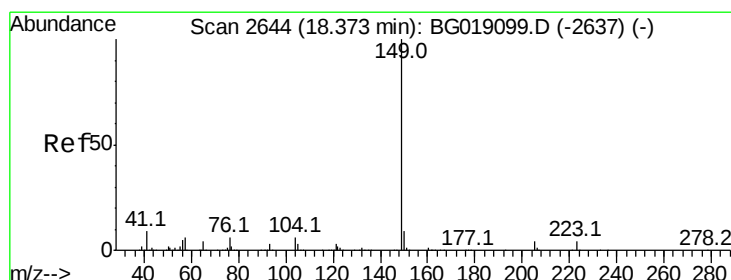
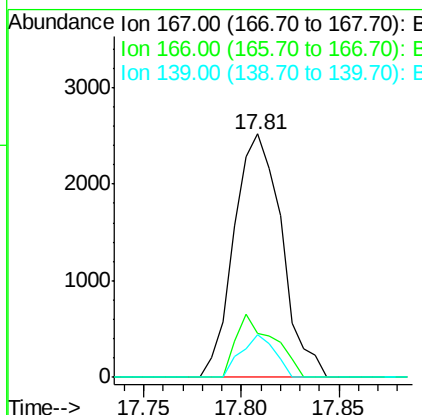
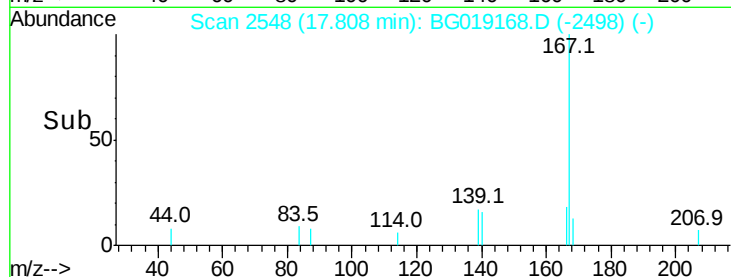
167 100

166 17.9 19.1 28.7#

139 17.5 11.2 16.8#

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 0.64 ng

RT: 18.37 min Scan# 2643

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

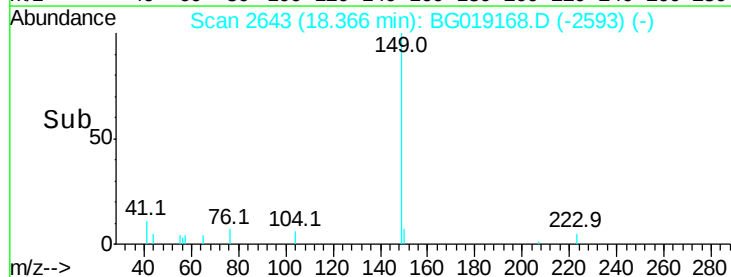
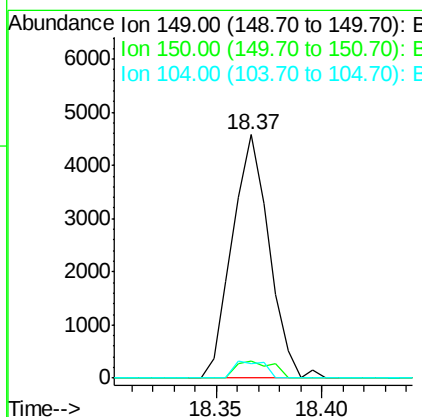
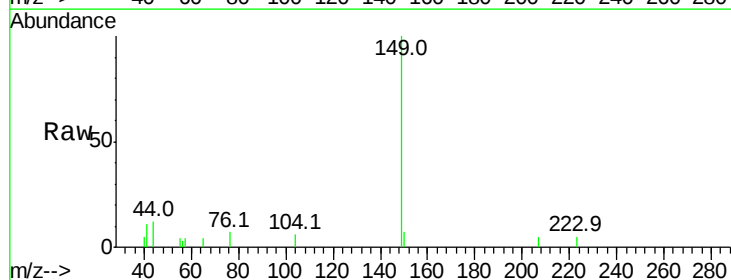
Tgt Ion:149 Resp: 5531

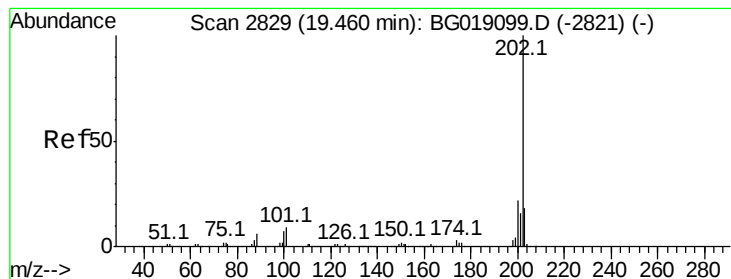
Ion Ratio Lower Upper

149 100

150 6.9 7.5 11.3#

104 6.0 5.0 7.6





#74

Fluoranthene

Concen: 0.62 ng

RT: 19.45 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

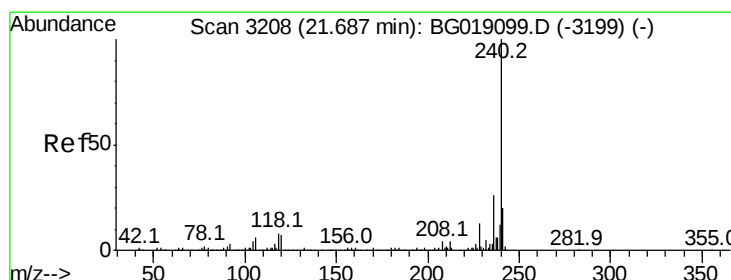
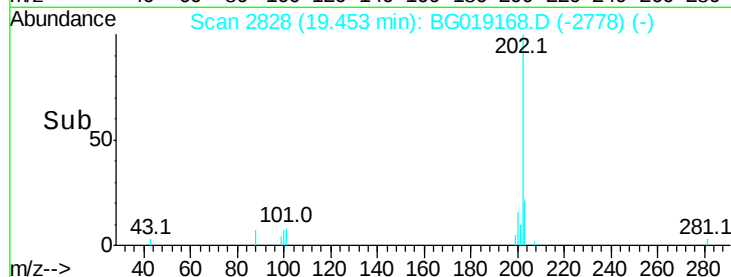
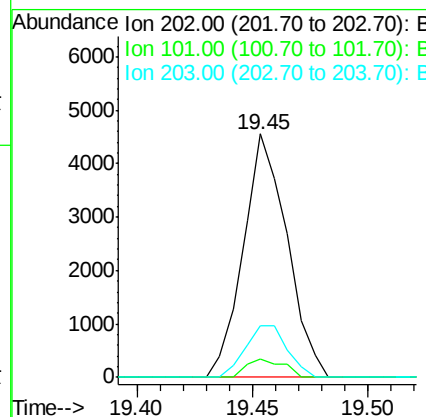
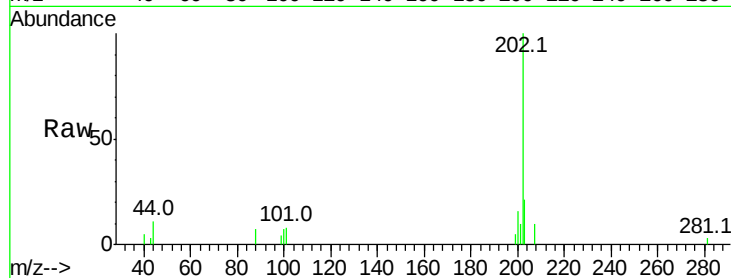
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	202	Resp:	6006
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	28.9
203	21.3	0.0	38.0

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#75

Chrysene-d12

Concen: 20.00 ng

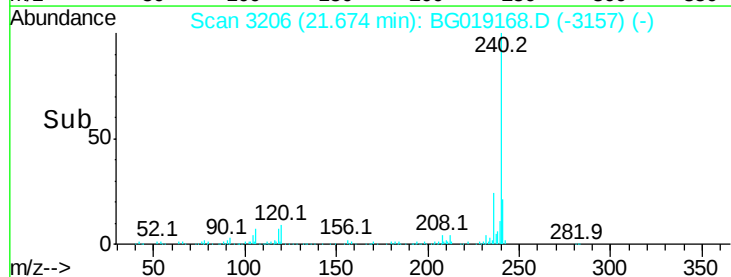
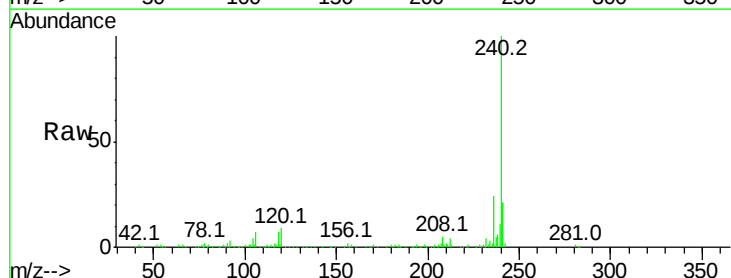
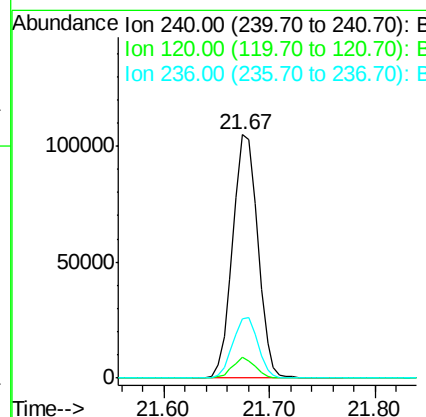
RT: 21.67 min Scan# 3206

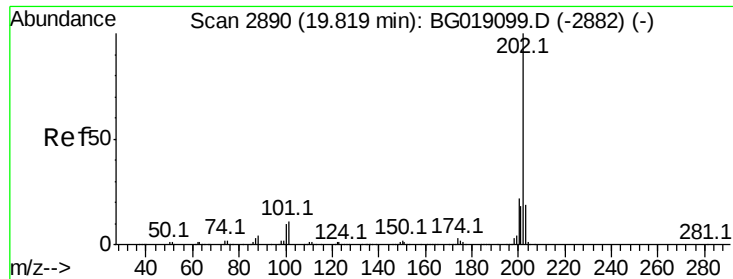
Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	240	Resp:	172721
Ion Ratio	Lower	Upper	
240	100		
120	8.5	5.8	8.6
236	24.4	21.2	31.8





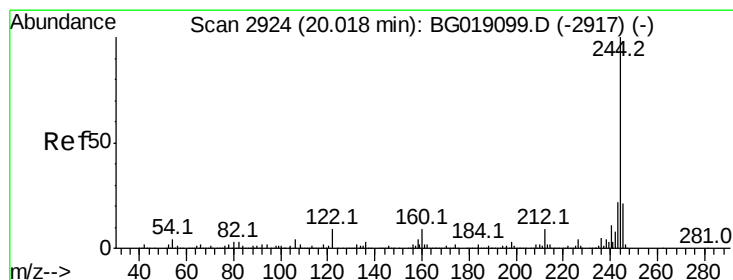
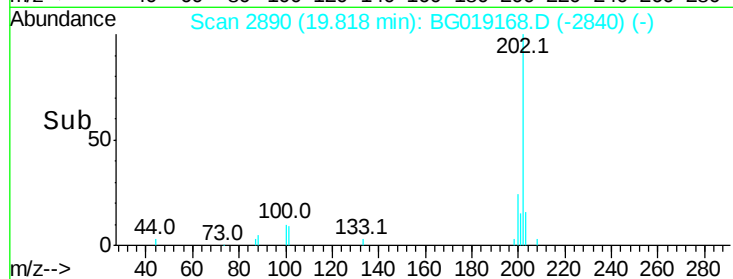
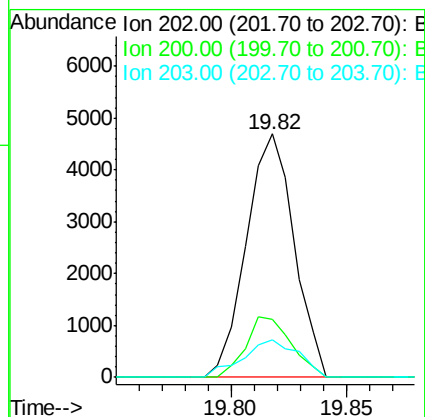
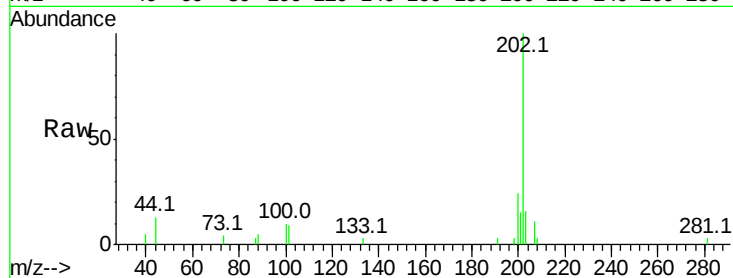
#77
Pvrene
Concen: 0.70 ng
RT: 19.82 min Scan# 2890
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:	202	Resp:	6745
Ion Ratio	Lower	Upper	
202	100		
200	23.6	17.4	26.2
203	15.6	14.8	22.2

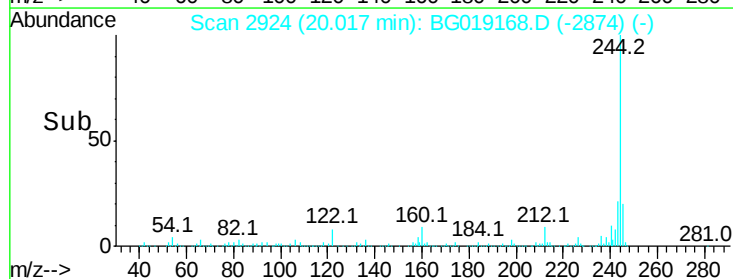
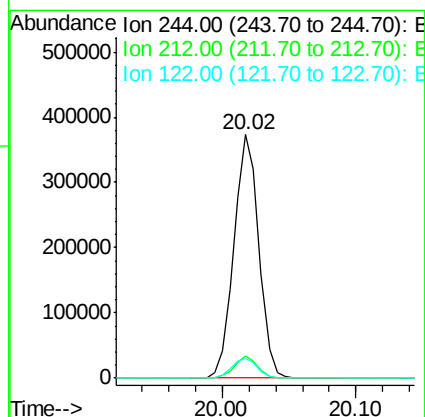
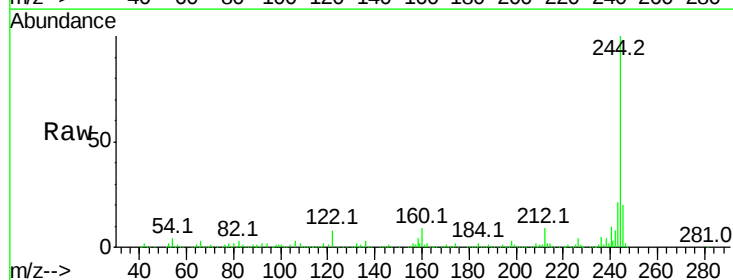
Manual Integrations
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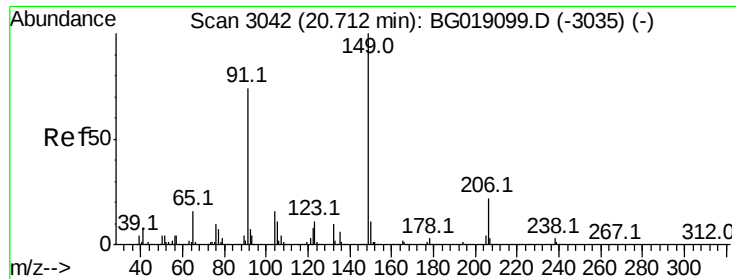
MMdadoda
10/13/2015 4:32:28 PM



#78
Terphenyl-d14
Concen: 74.20 ng
RT: 20.02 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion:	244	Resp:	485190
Ion Ratio	Lower	Upper	
244	100		
212	8.9	6.8	10.2
122	8.1	7.4	11.2





#79

Butylbenzylphthalate

Concen: 0.58 ng

RT: 20.70 min Scan# 3041

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

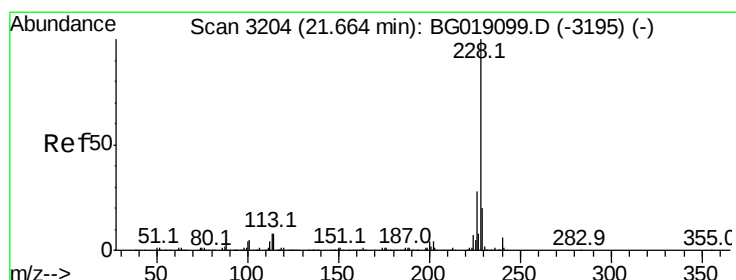
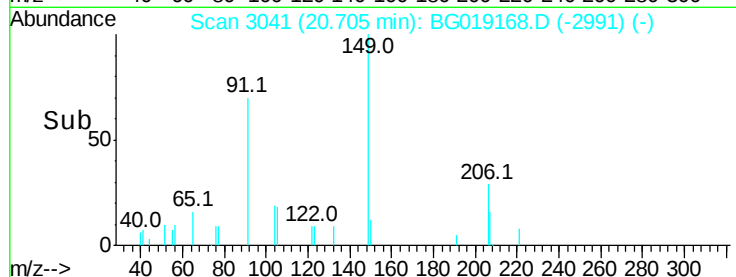
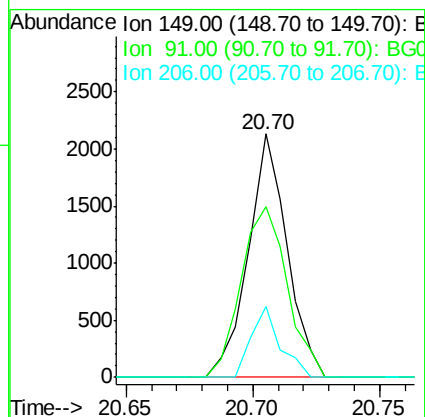
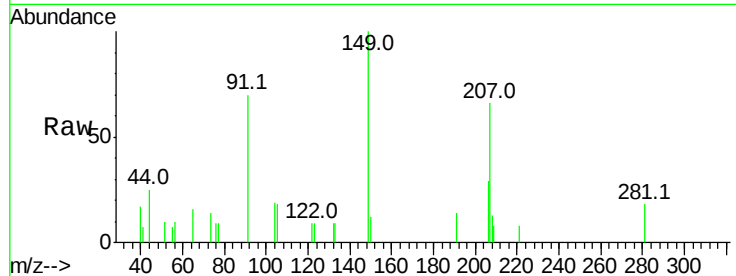
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	149	Resp:	2269
Ion Ratio	Lower	Upper	
149	100		
91	69.8	59.2	88.8
206	28.8	17.5	26.3

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 0.75 ng

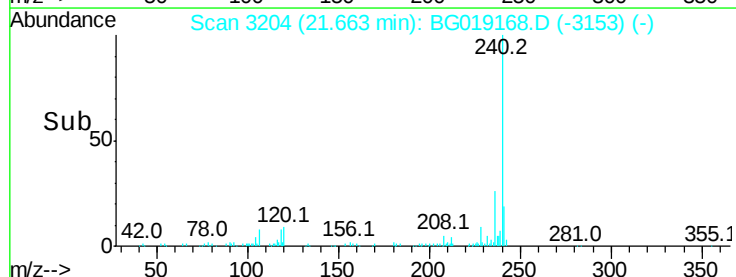
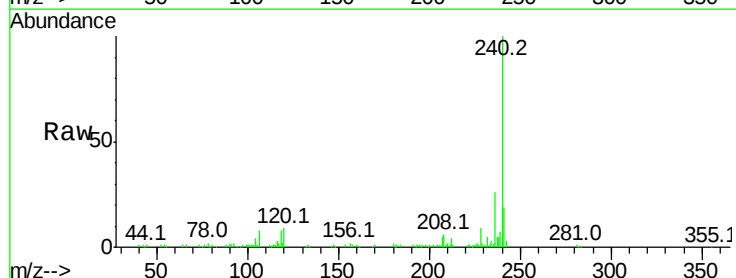
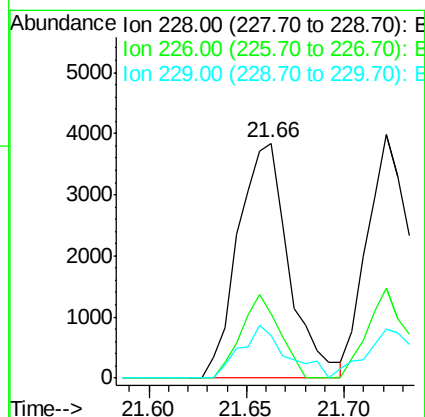
RT: 21.66 min Scan# 3204

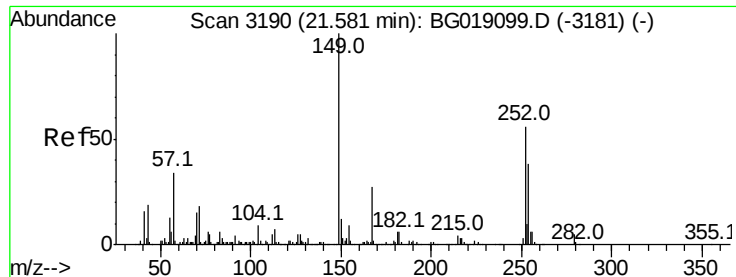
Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	228	Resp:	6910
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.4	33.6
229	18.2	16.2	24.2





#81

3,3'-Dichlorobenzidine

Concen: 0.59 ng

RT: 21.57 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

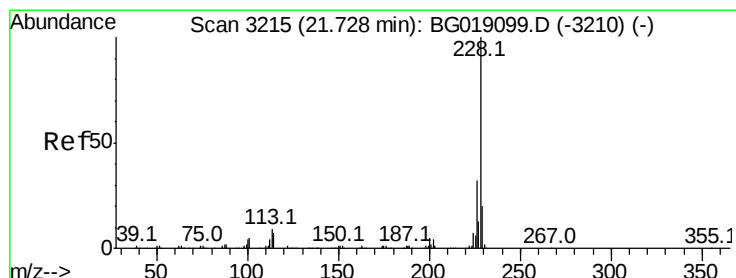
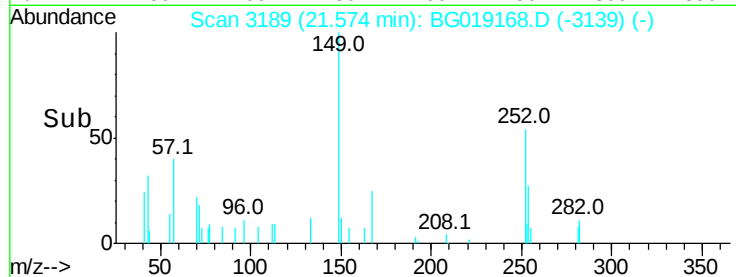
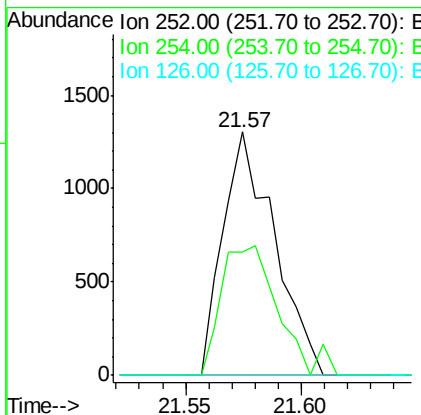
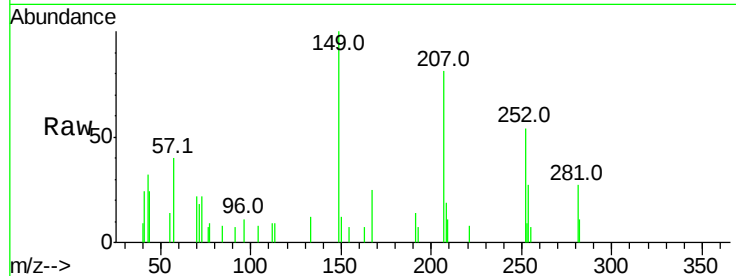
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	252	Resp:	2013
Ion Ratio	Lower	Upper	
252	100		
254	50.8	53.9	80.9#
126	0.0	7.0	10.6#

Manual Integrations
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#82

Chrysene

Concen: 0.69 ng

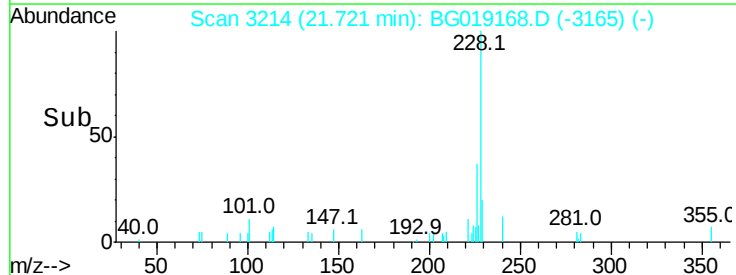
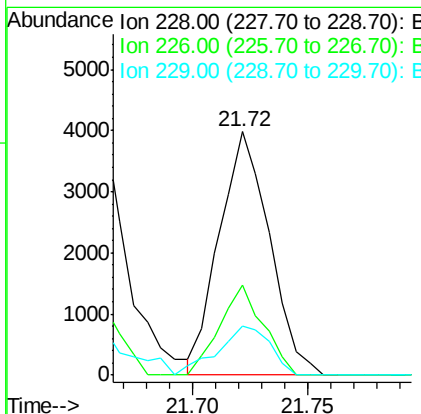
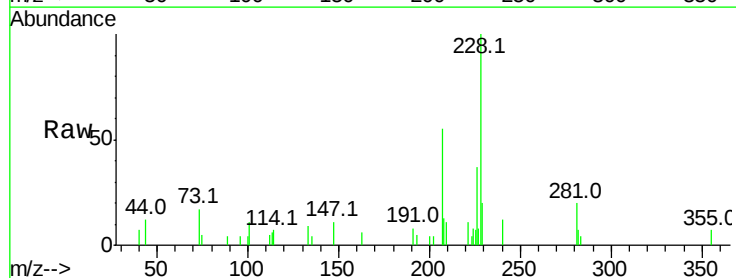
RT: 21.72 min Scan# 3214

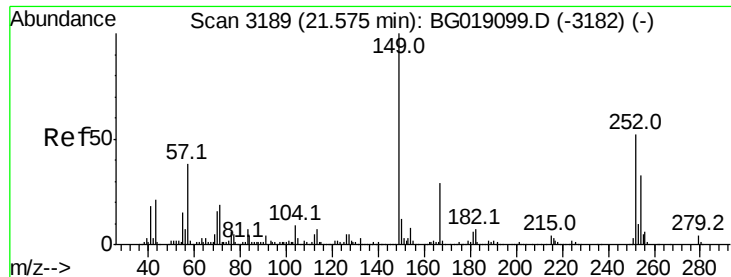
Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	228	Resp:	6023
Ion Ratio	Lower	Upper	
228	100		
226	37.0	25.2	37.8
229	20.2	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.67 ng

RT: 21.57 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG019168.D

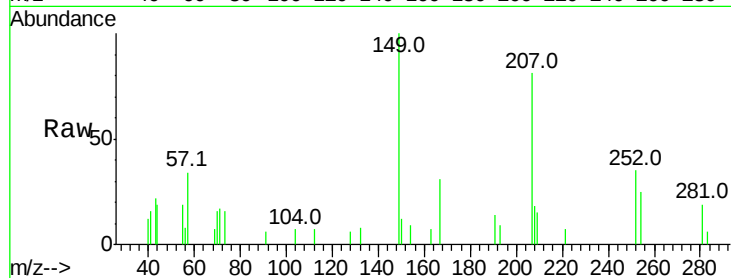
Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01



Tot Ion:149 Resp: 3683

Ion Ratio Lower Upper

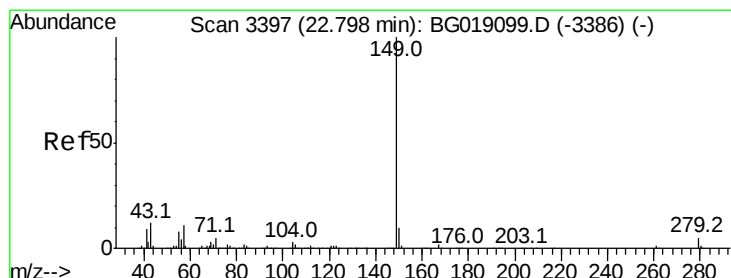
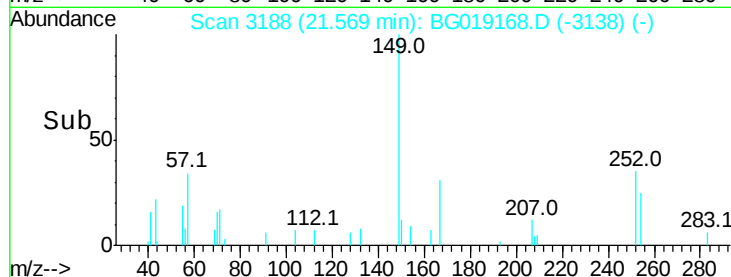
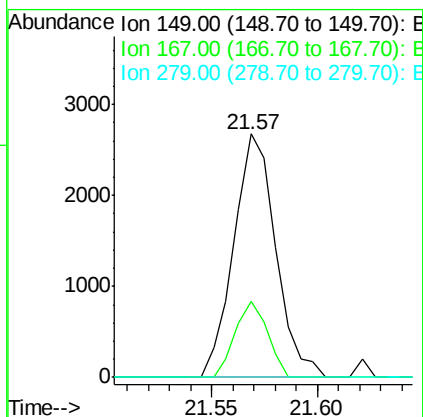
149 100

167 31.3 22.8 34.2

279 0.0 3.6 5.4#

Manual Integrations
APPROVED

MMdadoda
10/13/2015 4:32:28 PM



#84

Di-n-octyl phthalate

Concen: 0.64 ng

RT: 22.79 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

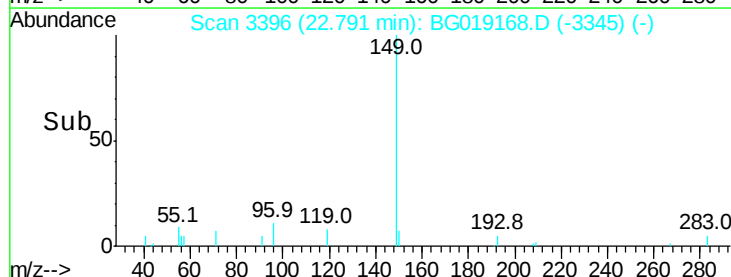
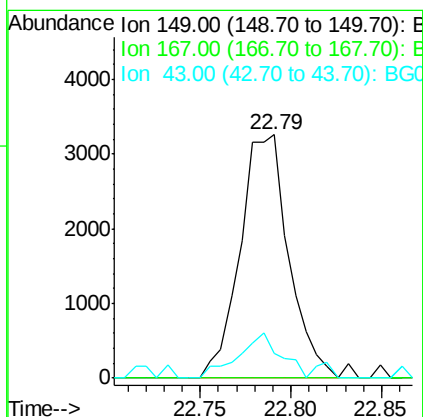
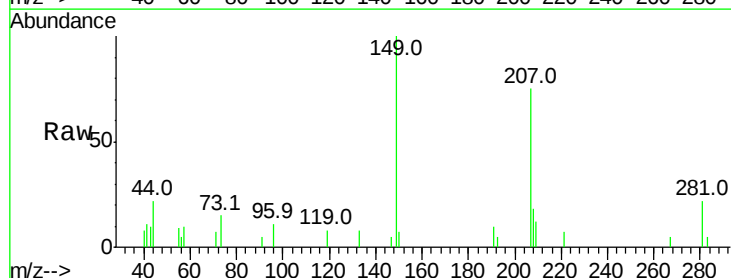
Tgt Ion:149 Resp: 6081

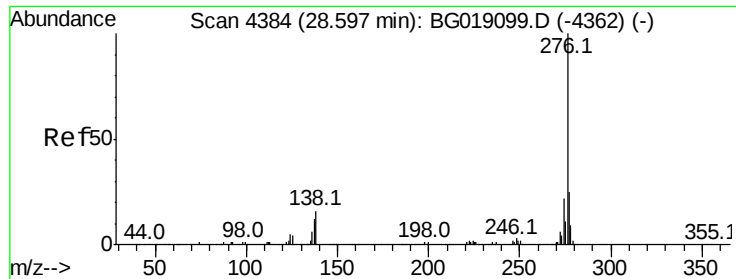
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 16.0 10.1 15.1#





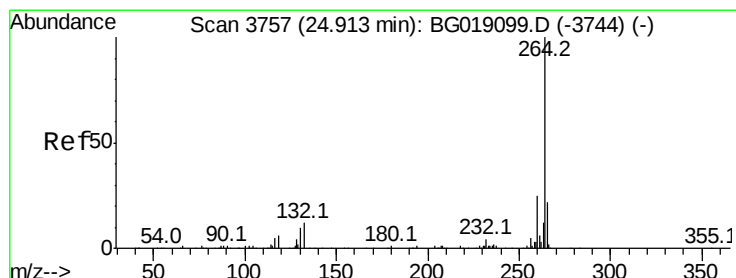
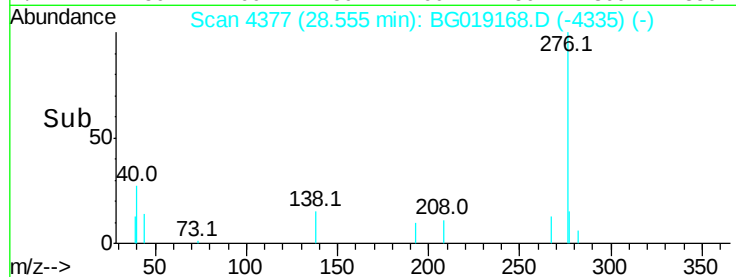
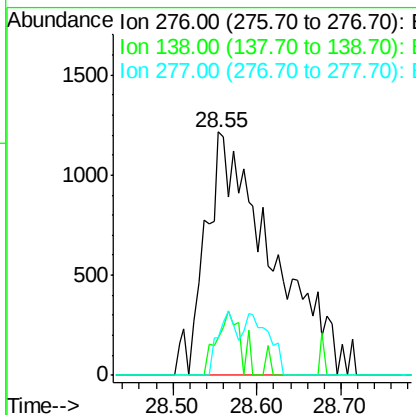
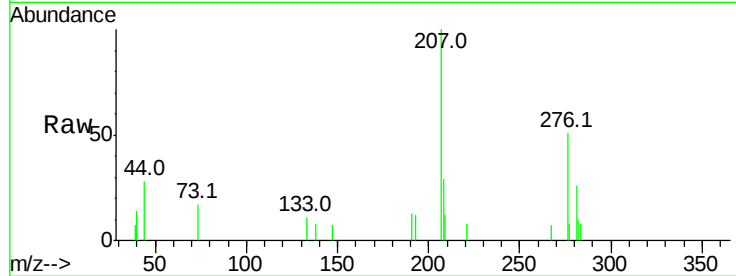
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.60 ng m
 RT: 28.55 min Scan# 4377
 Delta R.T. -0.05 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.8	10.2	15.4#
277	7.6	20.2	30.4#

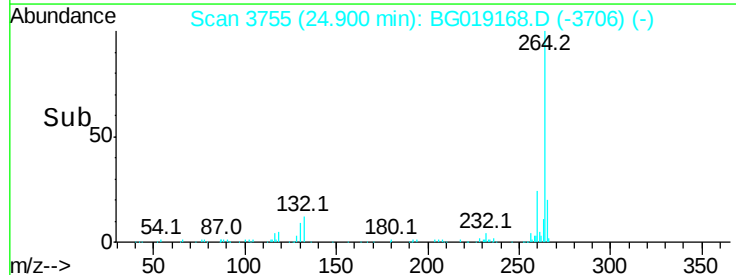
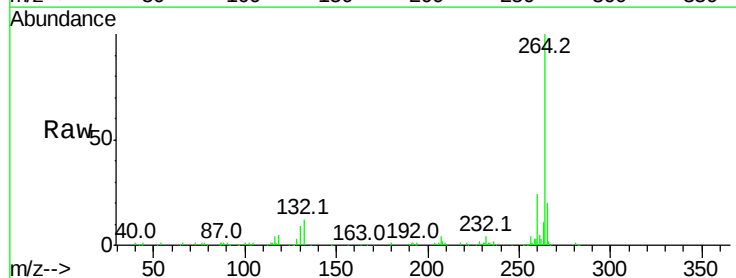
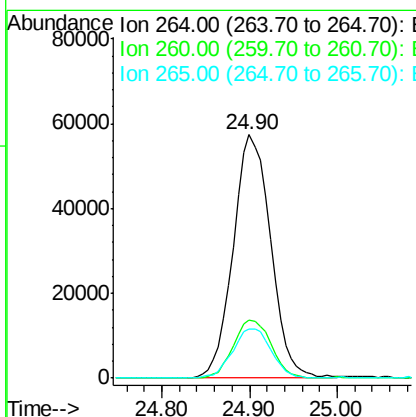
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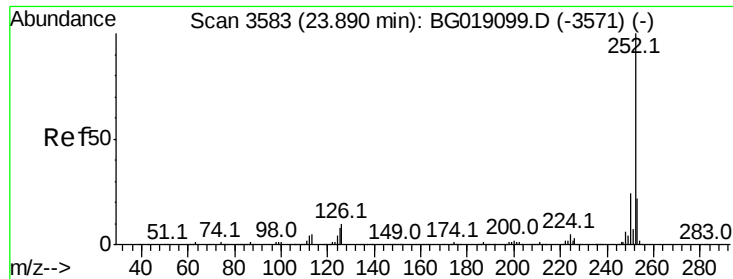
MMdadoda
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.90 min Scan# 3755
 Delta R.T. -0.01 min
 Lab File: BG019168.D
 Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.1	30.1
265	20.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 0.69 ng

RT: 23.88 min Scan# 3581

Delta R.T. -0.01 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Instrument :

BNA_G

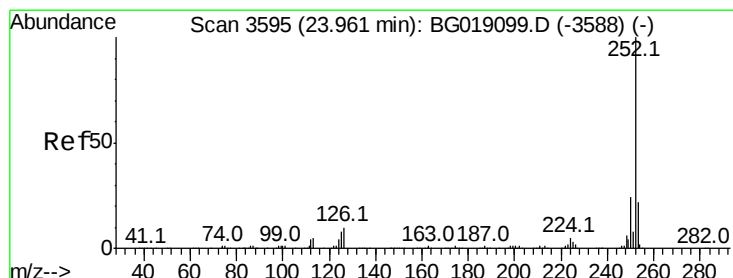
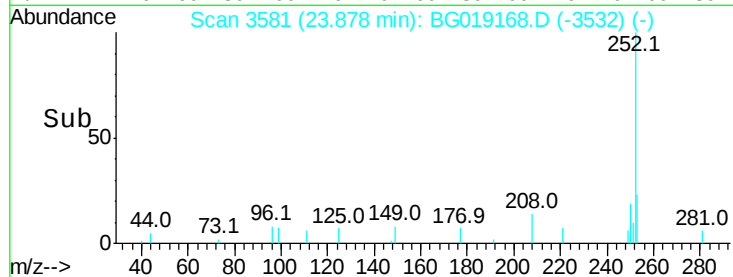
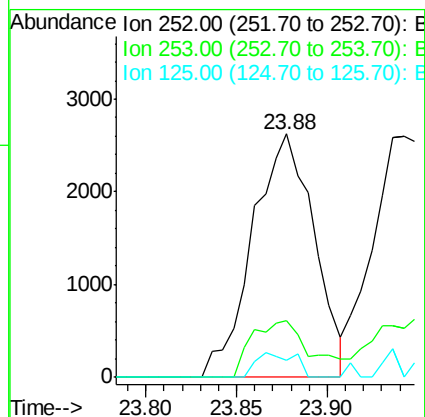
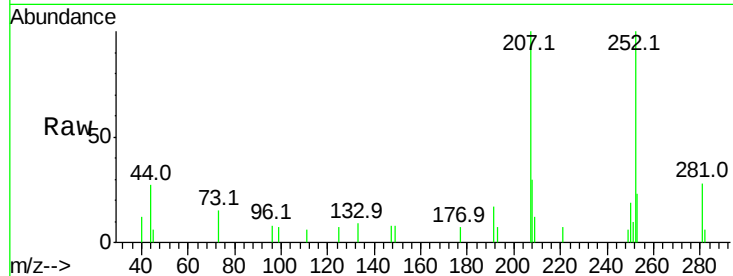
ClientSampleId :

LOD-SOIL2015-01

Tot Ion:	252	Resp:	6205
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	7.0	6.6	9.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 0.71 ng m

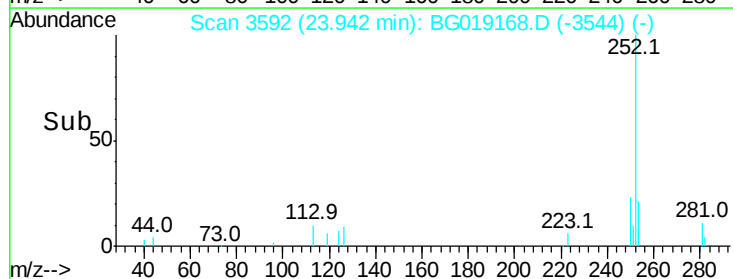
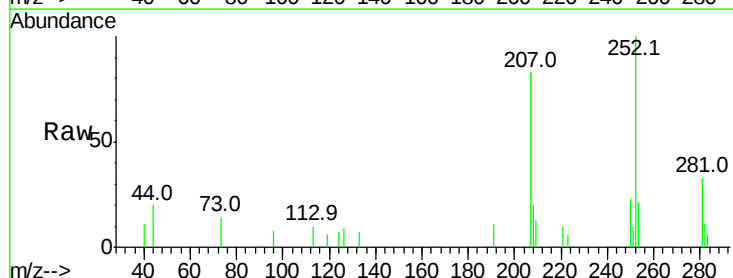
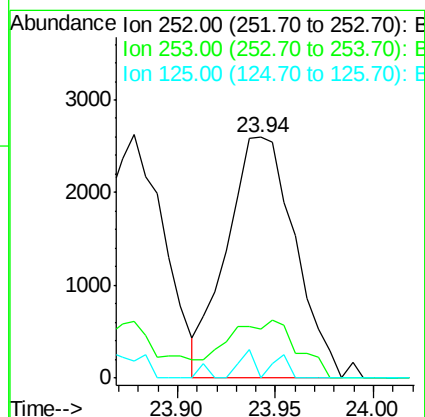
RT: 23.94 min Scan# 3592

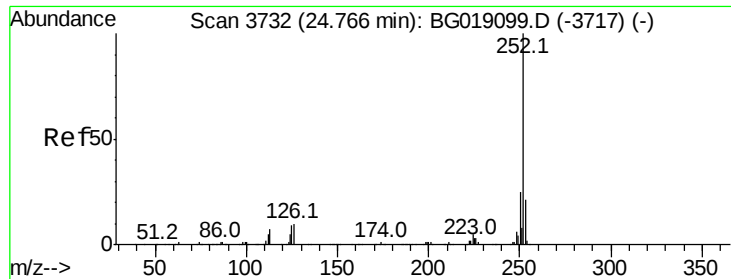
Delta R.T. -0.02 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tgt Ion:	252	Resp:	6265
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.0	25.4
125	0.0	6.4	9.6#





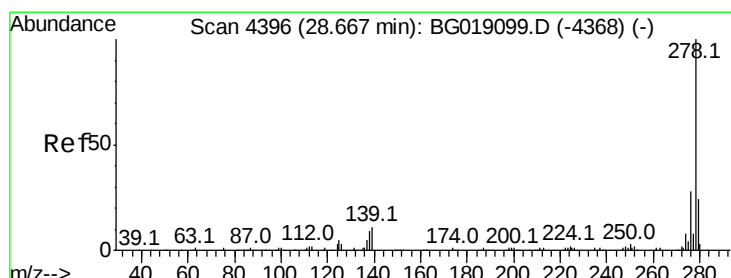
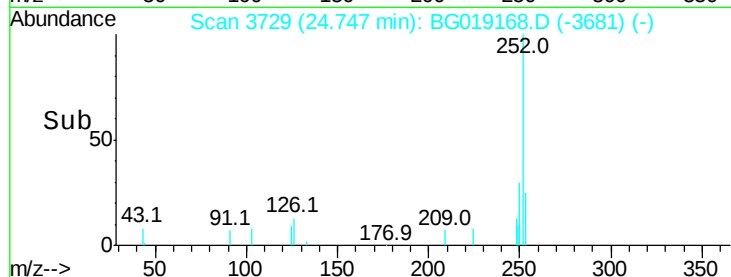
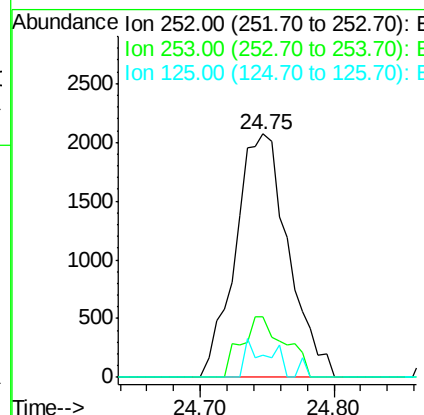
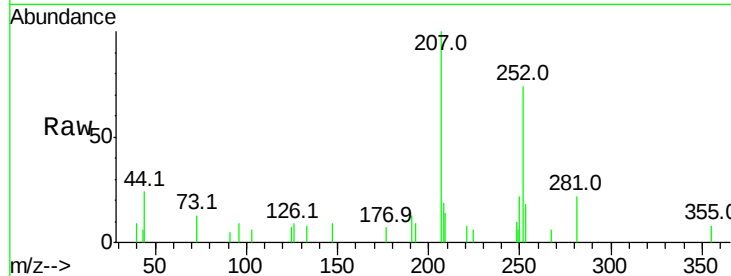
#89
Benzo(a)pyrene
Concen: 0.67 ng
RT: 24.75 min Scan# 3729
Delta R.T. -0.02 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.4
125	9.4	7.2	10.8

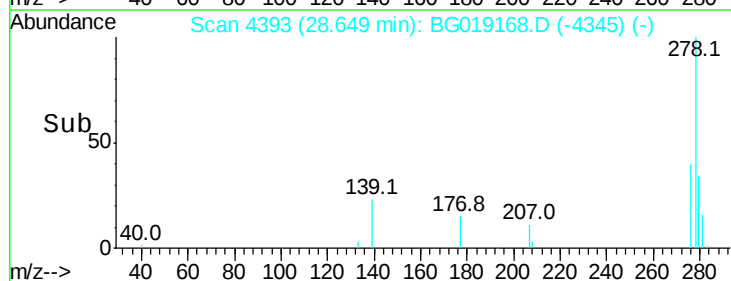
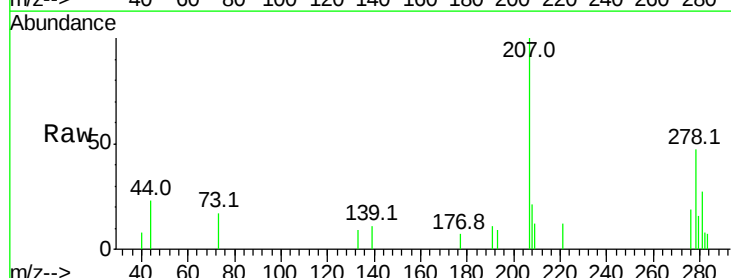
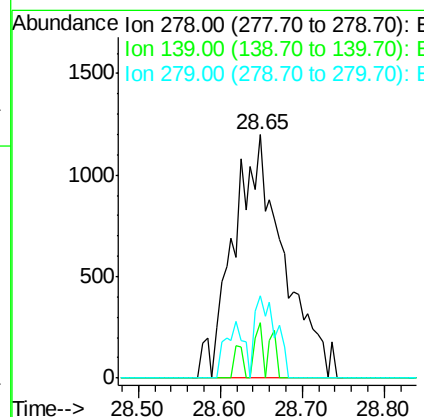
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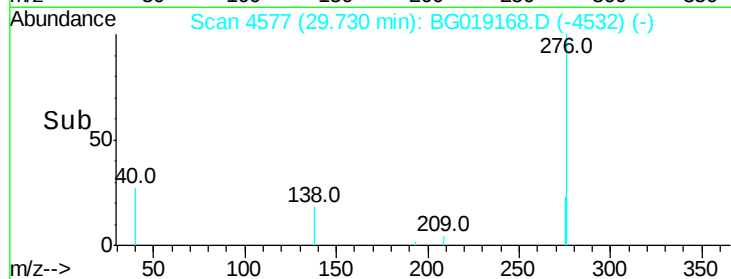
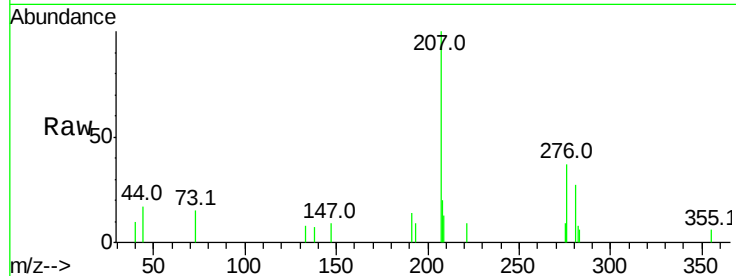
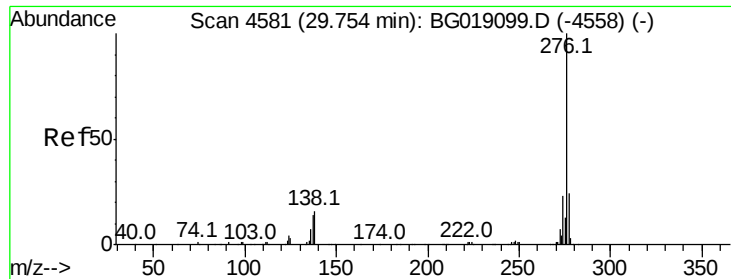
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#90
Dibenzo(a,h)anthracene
Concen: 0.56 ng
RT: 28.65 min Scan# 4393
Delta R.T. -0.02 min
Lab File: BG019168.D
Acq: 12 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	8.6	12.8#
279	33.6	19.5	29.3#





#91

Benzo(a,h,i)perylene

Concen: 0.60 ng m

RT: 29.73 min Scan# 4577

Delta R.T. -0.04 min

Lab File: BG019168.D

Acq: 12 Oct 2015 21:44

Tot Ion:	276	Resp:	5075
Ion Ratio	Lower	Upper	
276	100		
277	0.0	19.5	29.3#
138	18.2	13.0	19.6

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Manual Integrations
APPROVED

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