

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071618\
 Data File : BG035665.D
 Acq On : 16 Jul 2018 12:04
 Operator : JU/SJ
 Sample : J3542-04MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Manual Integrations
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Sohil
 7/17/2018 4:57:16 PM

Quant Time: Jul 16 13:12:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	53484	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	199831	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	145374	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	382925	20.00	ng	0.00
75) Chrysene-d12	21.69	240	398630	20.00	ng	0.00
86) Perylene-d12	24.91	264	392624	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	437651	135.85	ng	0.00
7) Phenol-d6	7.22	99	590639	122.89	ng	0.00
23) Nitrobenzene-d5	9.22	82	464902	97.19	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	313989	163.87	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1007099	92.81	ng	0.00
78) Terphenyl-d14	20.02	244	1766107	97.66	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	50020	30.507	ng	# 73
3) Pyridine	3.96	79	120996	28.267	ng	# 71
4) n-Nitrosodimethylamine	3.86	42	63071	34.317	ng	# 87
6) Aniline	7.39	93	114405	18.364	ng	96
8) 2-Chlorophenol	7.63	128	149077	45.500	ng	97
9) Benzaldehyde	7.19	77	90179	30.578	ng	96
10) Phenol	7.25	94	195077	40.173	ng	95
11) bis(2-Chloroethyl)ether	7.48	93	160469	42.197	ng	91
12) 1,3-Dichlorobenzene	7.95	146	164994m	41.701	ng	
13) 1,4-Dichlorobenzene	8.09	146	172385	42.881	ng	94
14) 1,2-Dichlorobenzene	8.42	146	163391	42.308	ng	98
15) Benzyl Alcohol	8.29	79	188937	43.288	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.58	45	183791	57.647	ng	73
17) 2-Methylphenol	8.50	107	148965	45.120	ng	# 92
18) Hexachloroethane	9.14	117	63198	41.116	ng	92
19) n-Nitroso-di-n-propylamine	8.86	70	156385	38.638	ng	# 85
20) 3+4-Methylphenols	8.83	107	207722	45.353	ng	93
22) Acetophenone	8.88	105	276924	44.563	ng	# 92
24) Nitrobenzene	9.26	77	224298	46.624	ng	91
25) Isophorone	9.78	82	441000	49.663	ng	98
26) 2-Nitrophenol	9.97	139	88562	51.834	ng	# 89
27) 2,4-Dimethylphenol	10.03	122	162314	56.123	ng	92
28) bis(2-Chloroethoxy)methane	10.26	93	234096	47.843	ng	95
29) 2,4-Dichlorophenol	10.51	162	181711	55.041	ng	89
30) 1,2,4-Trichlorobenzene	10.72	180	188485	46.560	ng	95
31) Naphthalene	10.91	128	497359	47.780	ng	98
32) Benzoic acid	10.18	122	85458	43.894	ng	94
33) 4-Chloroaniline	11.04	127	13072	2.881	ng	# 86
34) Hexachlorobutadiene	11.19	225	145813	46.191	ng	97
35) Caprolactam	11.79	113	47657m	33.638	ng	
36) 4-Chloro-3-methylphenol	12.14	107	223033	50.401	ng	95
37) 2-Methylnaphthalene	12.51	142	376514	48.550	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.88	216	252503	46.019	ng	98
40) Hexachlorocyclopentadiene	12.86	237	334451	116.227	ng	95

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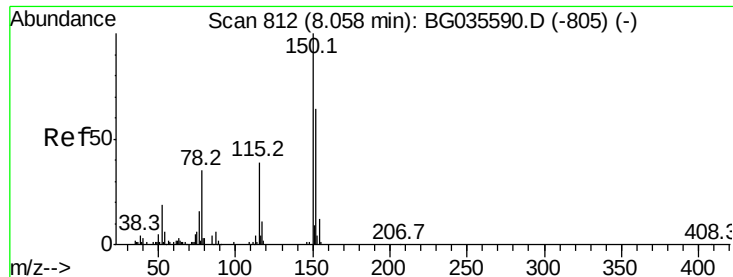
Manual Integrations
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 7/17/2018 4:57:16 PM

Quant Time: Jul 16 13:12:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.12	196	169988	52.976	nq	99
43) 2,4,5-Trichlorophenol	13.19	196	186592	51.981	nq	95
45) 1,1'-Biphenyl	13.52	154	530230	47.045	nq	99
46) 2-Chloronaphthalene	13.56	162	413924	47.215	nq	98
47) 2-Nitroaniline	13.76	65	156170	50.388	nq	97
48) Acenaphthylene	14.40	152	687859	46.839	nq	95
49) Dimethylphthalate	14.13	163	586316	46.033	nq	99
50) 2,6-Dinitrotoluene	14.25	165	133901	51.625	nq	96
51) Acenaphthene	14.74	154	405742	44.352	nq	99
52) 3-Nitroaniline	14.58	138	48193	18.179	nq	# 92
53) 2,4-Dinitrophenol	14.79	184	150241	109.957	nq	# 69
54) Dibenzofuran	15.08	168	677845	46.590	nq	95
55) 4-Nitrophenol	14.90	139	173957	92.143	nq	89
56) 2,4-Dinitrotoluene	15.04	165	196229	52.735	nq	93
57) Fluorene	15.72	166	561736	46.066	nq	96
58) 2,3,4,6-Tetrachlorophenol	15.30	232	182161	52.927	nq	96
59) Diethylphthalate	15.49	149	588381	44.925	nq	98
60) 4-Chlorophenyl-phenylether	15.71	204	326609	45.571	nq	98
61) 4-Nitroaniline	15.75	138	129584	46.730	nq	# 79
62) Azobenzene	16.01	77	602465	46.636	nq	96
64) 4,6-Dinitro-2-methylphenol	15.81	198	108216	50.767	nq	83
65) n-Nitrosodiphenylamine	15.93	169	504984	46.331	nq	99
66) 4-Bromophenyl-phenylether	16.61	248	220856	49.713	nq	93
67) Hexachlorobenzene	16.73	284	224582	49.089	nq	98
68) Atrazine	16.88	200	229560	51.154	nq	96
69) Pentachlorophenol	17.08	266	250369	89.847	nq	98
70) Phenanthrene	17.46	178	906568	47.446	nq	98
71) Anthracene	17.56	178	927743	48.763	nq	98
72) Carbazole	17.82	167	843796	46.700	nq	98
73) Di-n-butylphthalate	18.37	149	969126	45.389	nq	# 98
74) Fluoranthene	19.47	202	1174467	45.633	nq	96
76) Benzidine	19.65	184	68052	6.493	nq	98
77) Pyrene	19.83	202	1167538	46.320	nq	95
79) Butylbenzylphthalate	20.71	149	439827	48.795	nq	98
80) Benzo(a)anthracene	21.67	228	1181155	47.548	nq	98
81) 3,3'-Dichlorobenzidine	21.58	252	231505	26.727	nq	# 95
82) Chrysene	21.73	228	1098099	47.702	nq	97
83) Bis(2-ethylhexyl)phthalate	21.57	149	591601	48.277	nq	100
84) Di-n-octyl phthalate	22.78	149	1005552	49.008	nq	# 94
85) Indeno(1,2,3-cd)pyrene	28.59	276	1286409	50.474	nq	# 94
87) Benzo(b)fluoranthene	23.89	252	1109873	46.509	nq	# 96
88) Benzo(k)fluoranthene	23.96	252	1090762	46.754	nq	# 96
89) Benzo(a)pyrene	24.76	252	1083682	48.813	nq	# 96
90) Dibenzo(a,h)anthracene	28.64	278	1057651	48.526	nq	96
91) Benzo(g,h,i)perylene	29.74	276	1058359	49.623	nq	# 93

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



#1

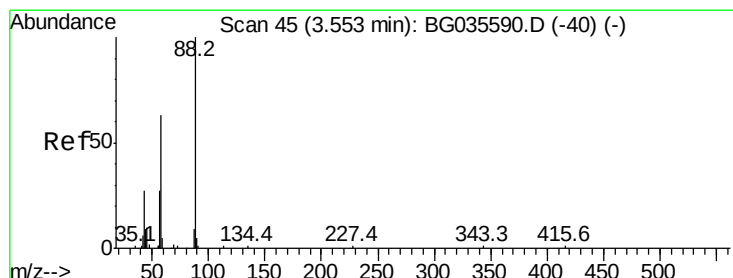
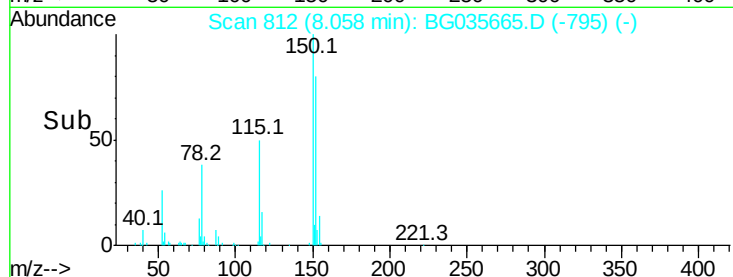
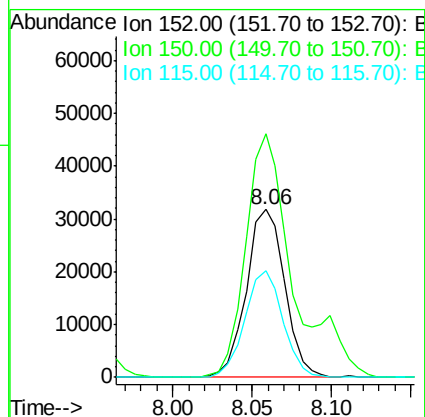
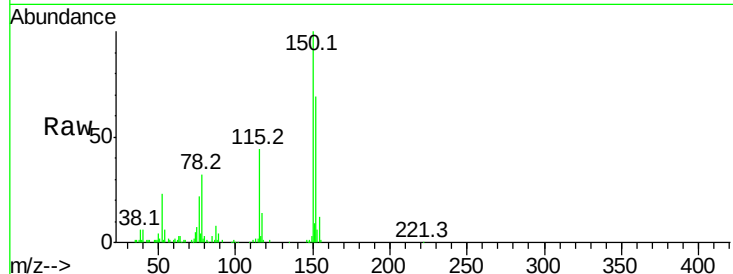
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.3	126.6	189.8
115	63.7	53.0	79.4

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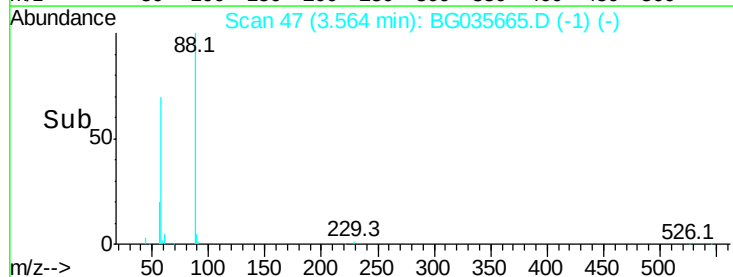
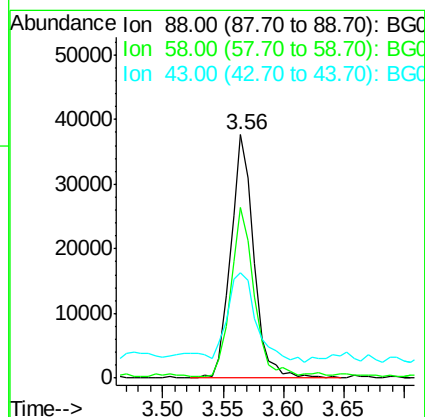
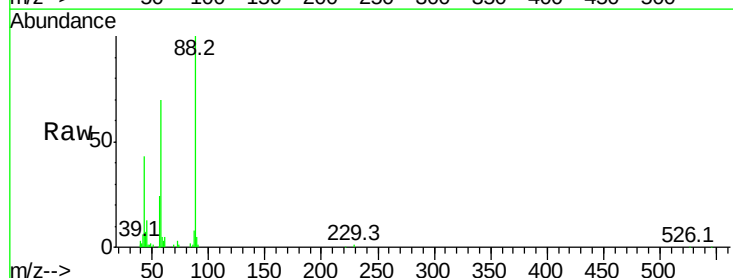
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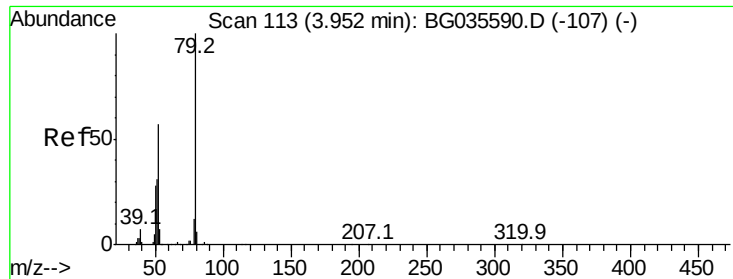


#2

1,4-Dioxane
Concen: 30.507 ng
RT: 3.56 min Scan# 47
Delta R.T. 0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.4	79.6	119.4#
43	46.3	27.4	41.0#





#3

Pvridine

Concen: 28.267 ng

RT: 3.96 min Scan# 115

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

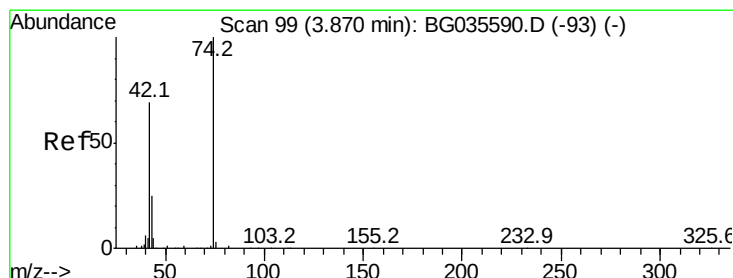
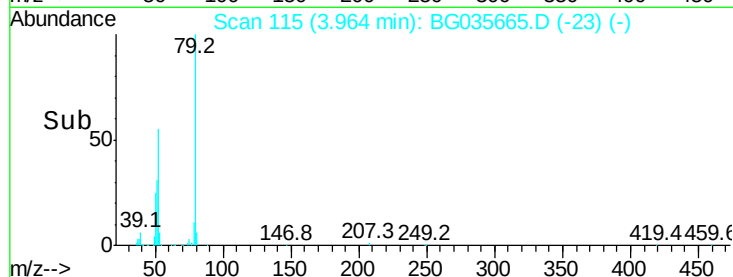
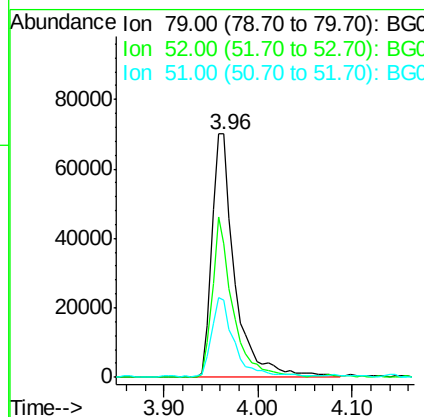
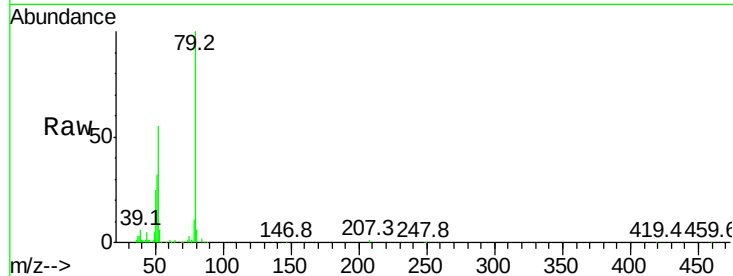
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	79	Resp:	120996
Ion Ratio	Lower	Upper	
79	100		
52	54.8	69.9	104.9#
51	31.7	34.0	51.0#

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#4

n-Nitrosodimethylamine

Concen: 34.317 ng

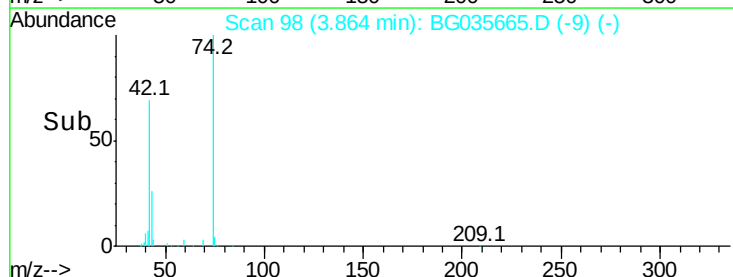
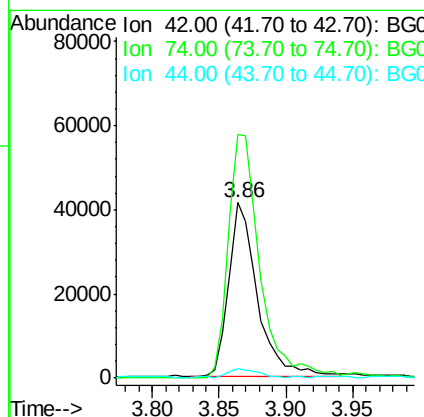
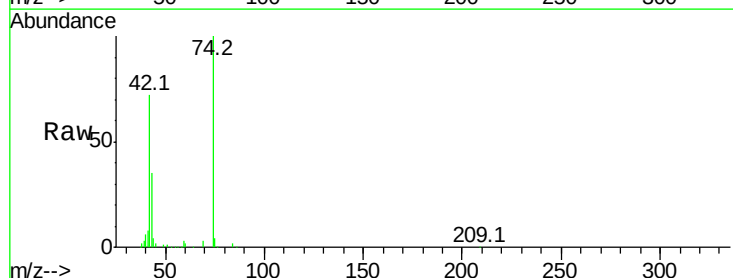
RT: 3.86 min Scan# 98

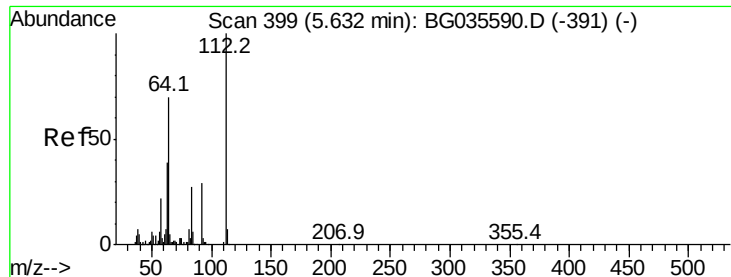
Delta R.T. -0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	42	Resp:	63071
Ion Ratio	Lower	Upper	
42	100		
74	138.6	102.5	153.7
44	5.6	18.9	28.3#





#5

2-Fluorophenol

Concen: 135.854 ng

RT: 5.64 min Scan# 400

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

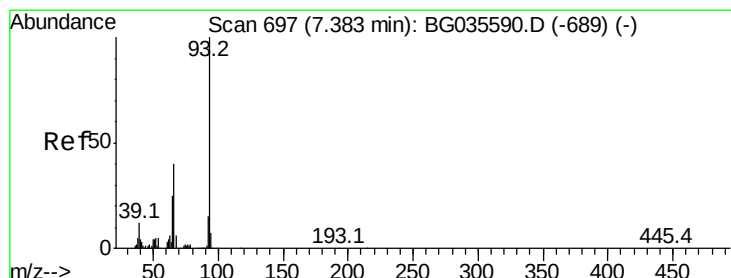
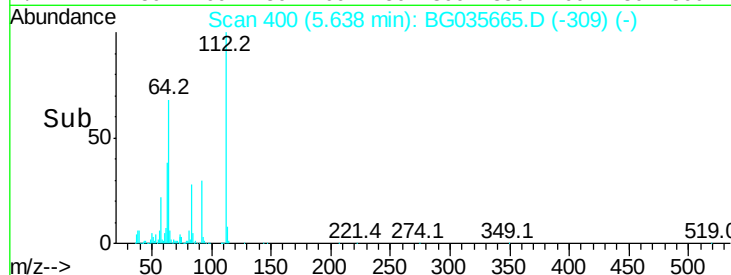
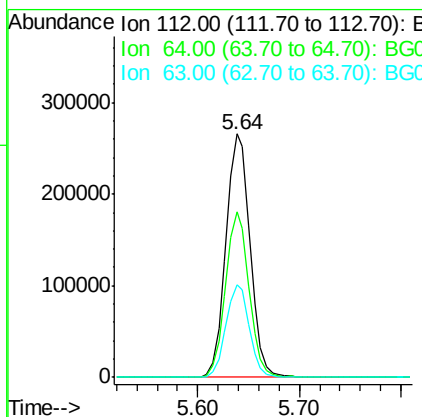
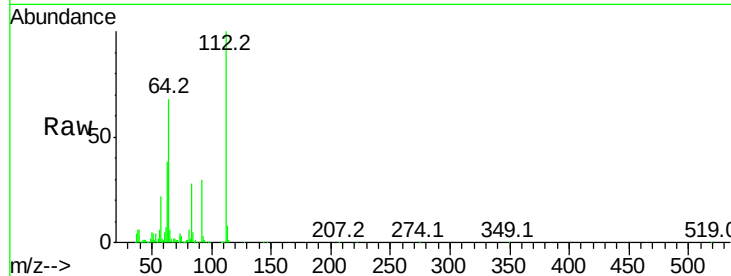
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	112	Resp:	437651
Ion Ratio	Lower	Upper	
112	100		
64	68.3	56.3	84.5
63	38.1	30.1	45.1

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#6

Aniline

Concen: 18.364 ng

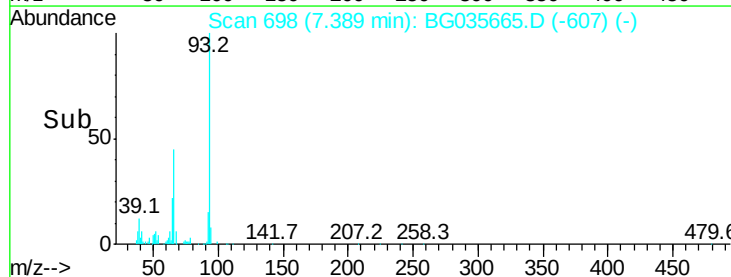
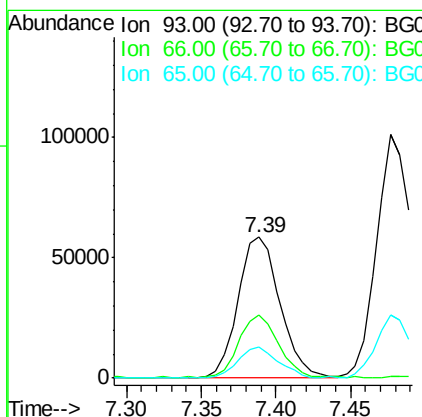
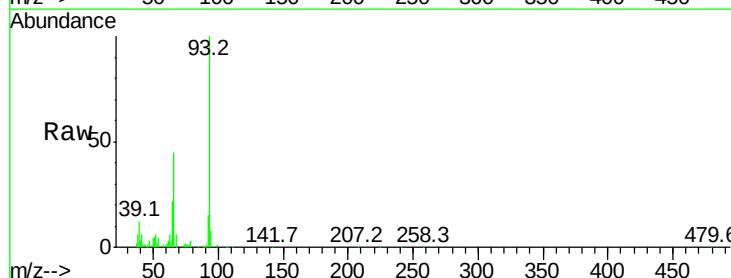
RT: 7.39 min Scan# 698

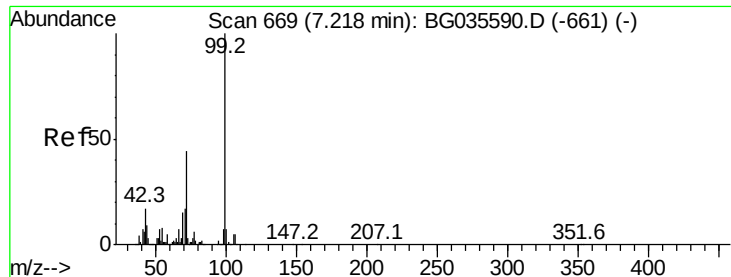
Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	93	Resp:	114405
Ion Ratio	Lower	Upper	
93	100		
66	44.8	33.7	50.5
65	22.3	16.1	24.1





#7

Phenol-d6

Concen: 122.886 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

ClientSampleId :

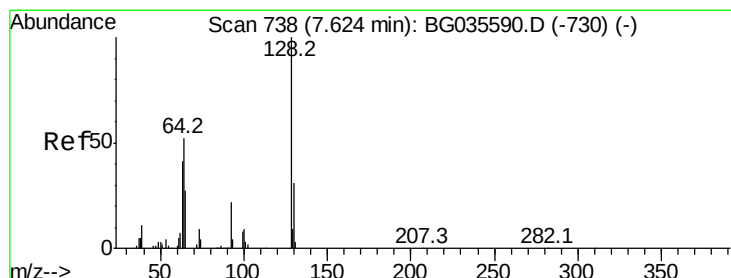
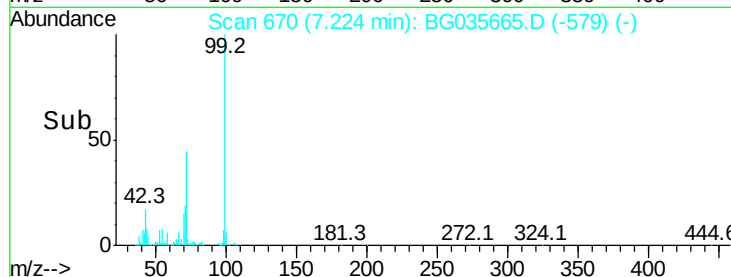
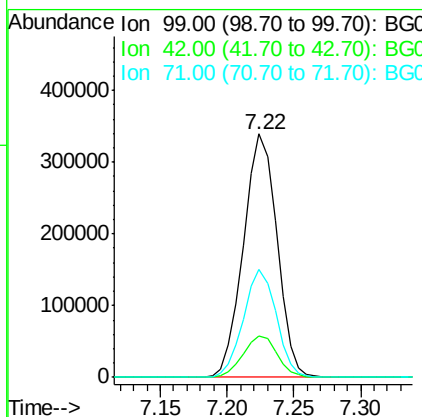
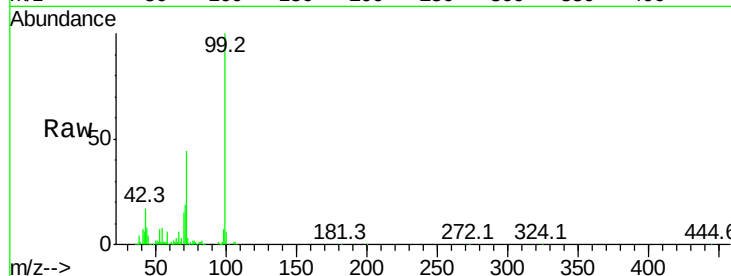
LS-SOIL-1MSD

Tot Ion	Ratio	Resp Lower	Upper
99	100		
42	16.9	14.1	21.1
71	44.1	26.1	39.1

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#8

2-Chlorophenol

Concen: 45.500 ng

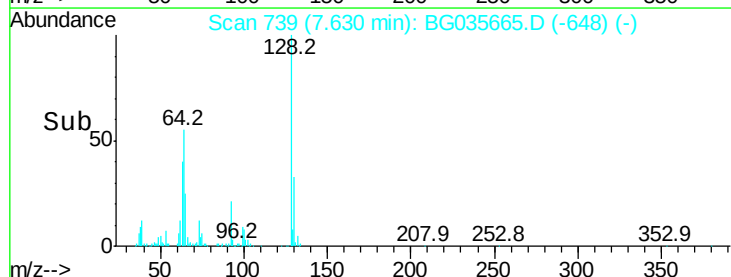
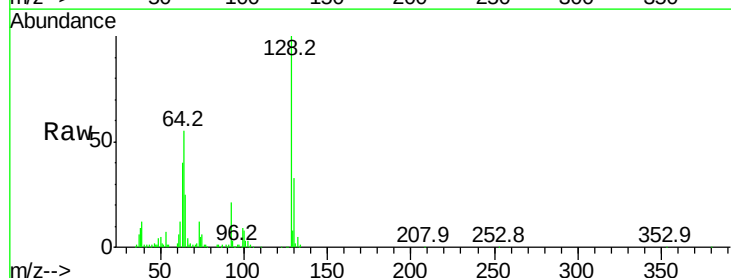
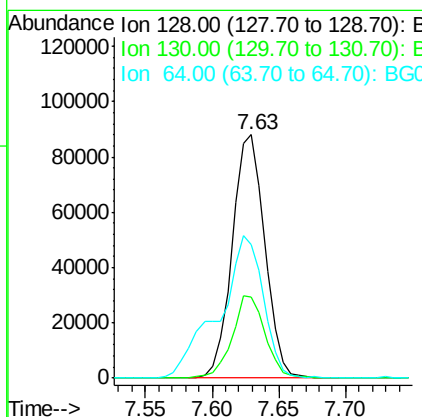
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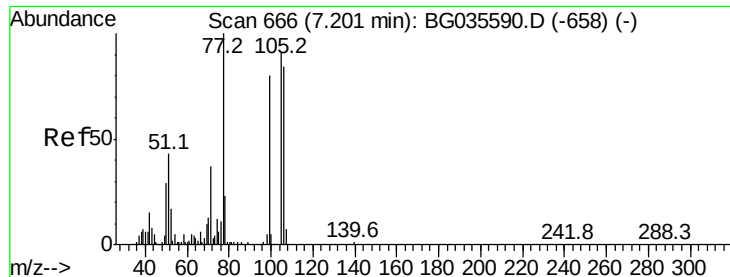
Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
130	33.1	14.0	54.0
64	54.9	37.7	77.7





#9

Benzaldehyde

Concen: 30.578 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

ClientSampleId :

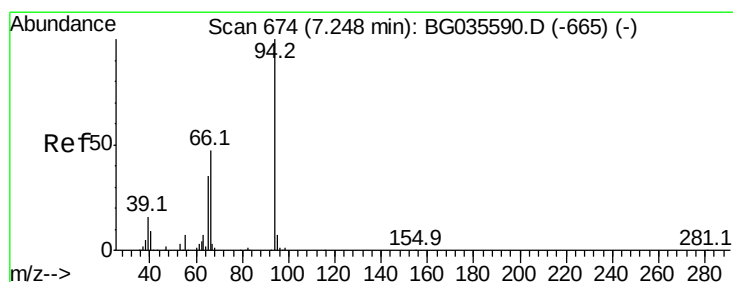
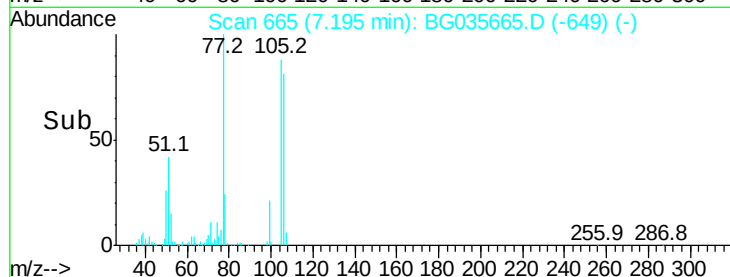
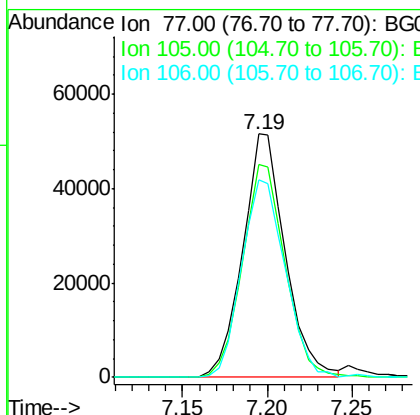
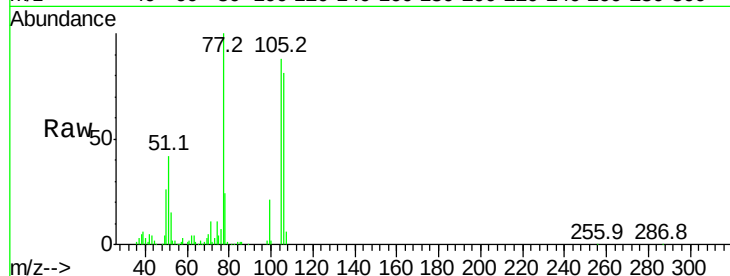
LS-SOIL-1MSD

Tot Ion:	77	Resp:	90179
Ion	Ratio	Lower	Upper
77	100		
105	87.6	71.3	111.3
106	81.2	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 40.173 ng

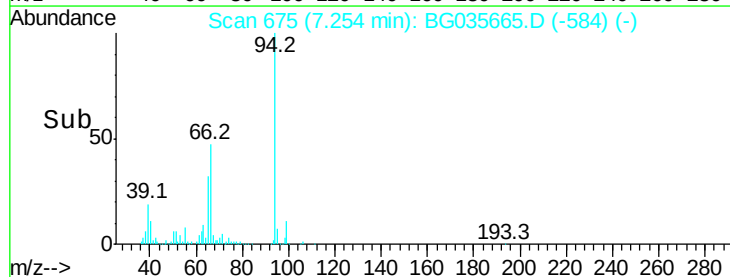
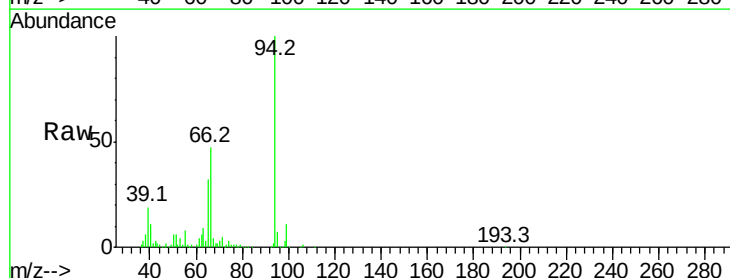
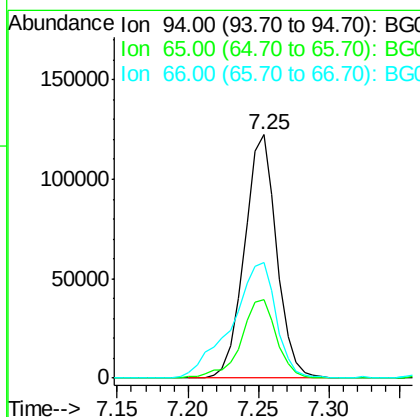
RT: 7.25 min Scan# 675

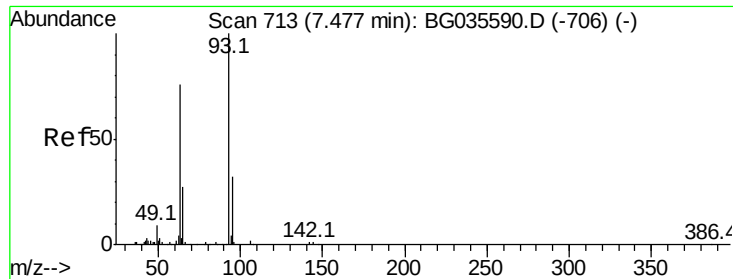
Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	94	Resp:	195077
Ion	Ratio	Lower	Upper
94	100		
65	32.5	11.9	51.9
66	47.2	22.2	62.2





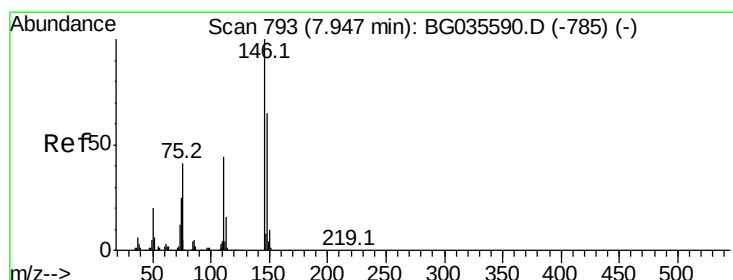
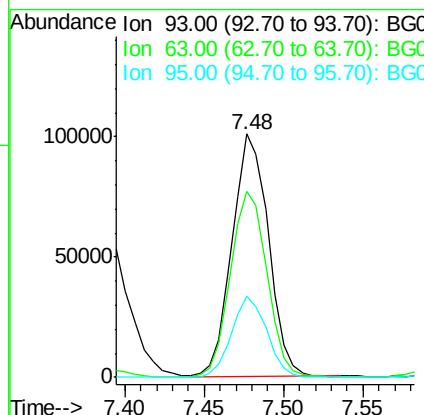
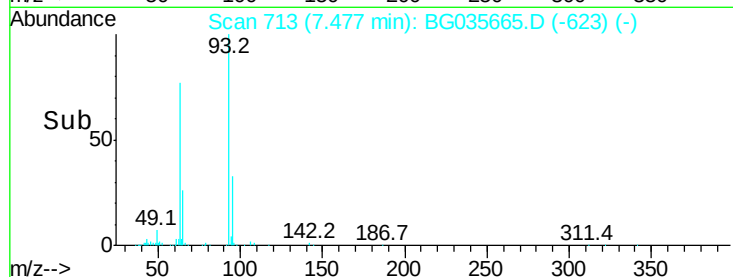
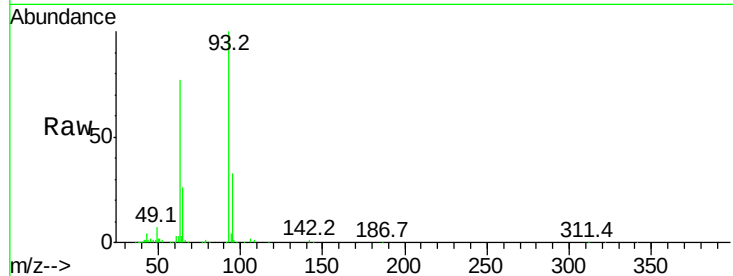
#11
bis(2-Chloroethyl)ether
Concen: 42.197 ng
RT: 7.48 min Scan# 713
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	160469		
63	76.6		67.1	107.1
95	33.2		11.5	51.5

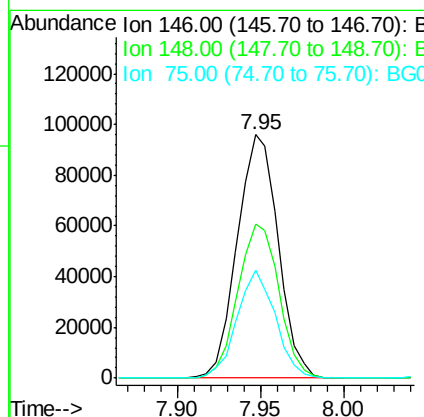
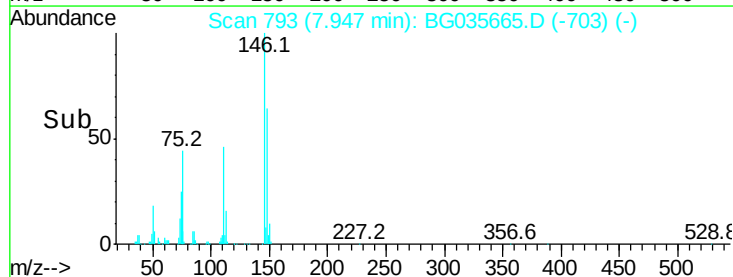
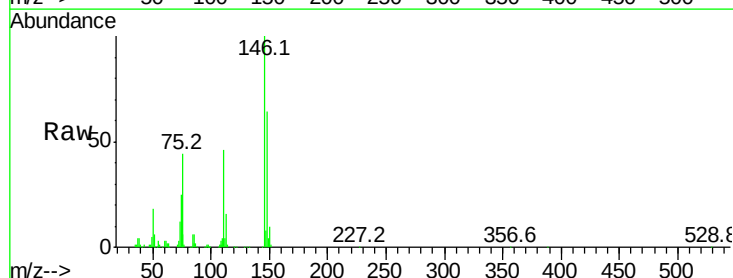
Manual Integrations
APPROVED

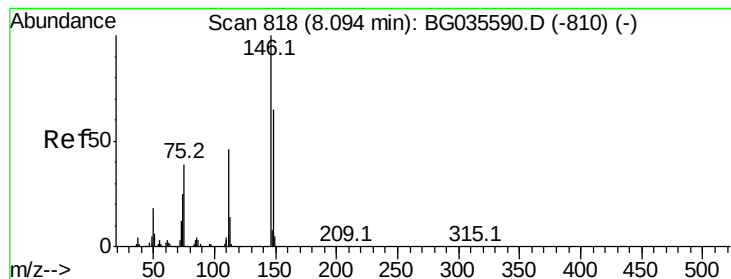
Sohil
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#12
1,3-Dichlorobenzene
Concen: 41.701 ng m
RT: 7.95 min Scan# 793
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	164994		
148	63.5		51.4	77.2
75	44.2		26.6	39.8#





#13

1,4-Dichlorobenzene

Concen: 42.881 ng

RT: 8.09 min Scan# 818

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

ClientSampleId :

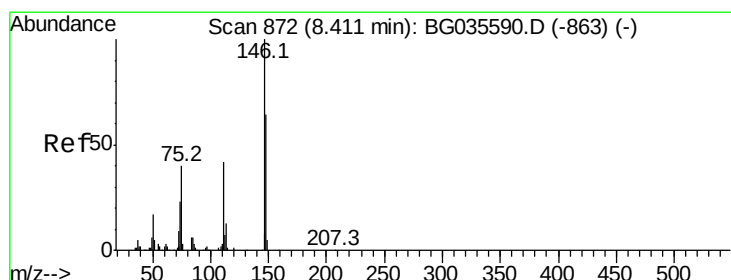
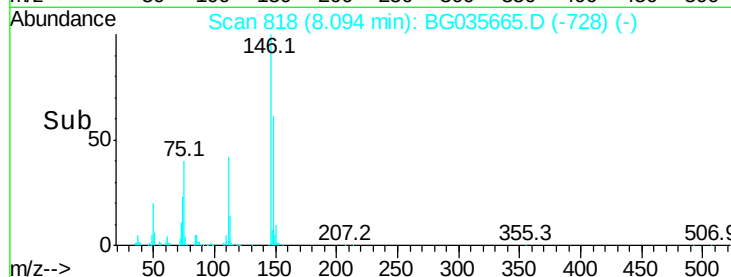
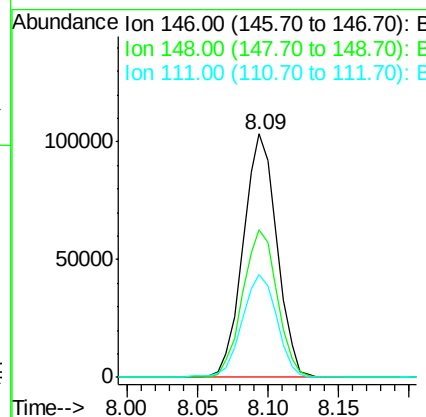
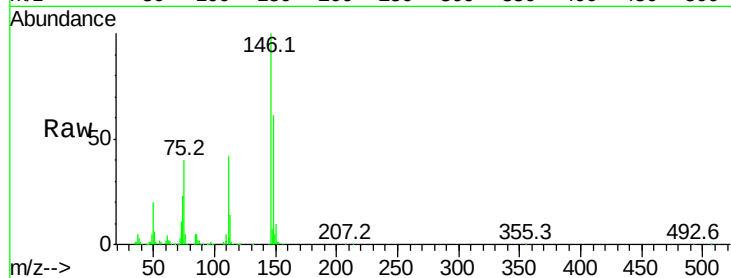
LS-SOIL-1MSD

Tot Ion:	146	Resp:	172385
Ion Ratio	Lower	Upper	
146	100		
148	60.5	53.7	80.5
111	42.3	35.2	52.8

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 42.308 ng

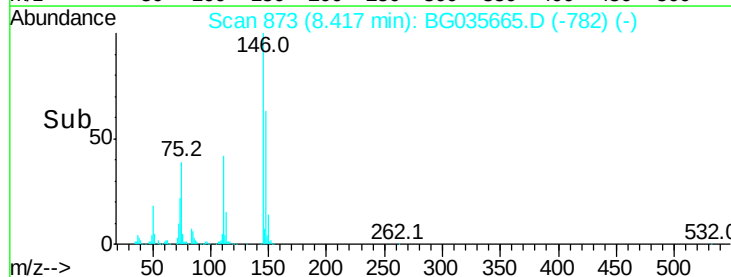
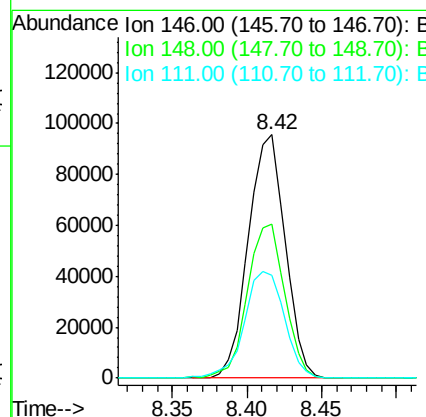
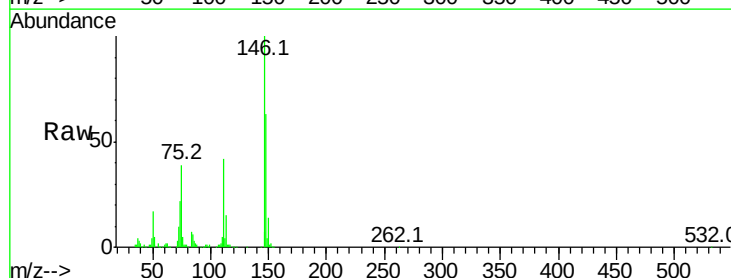
RT: 8.42 min Scan# 873

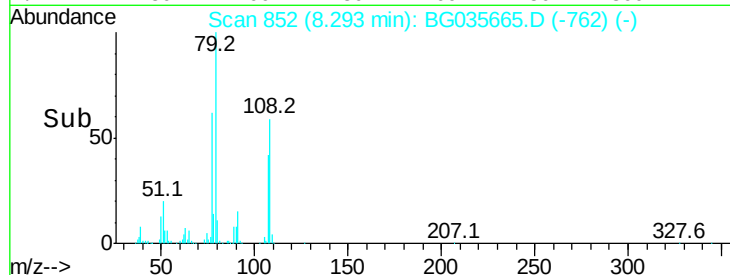
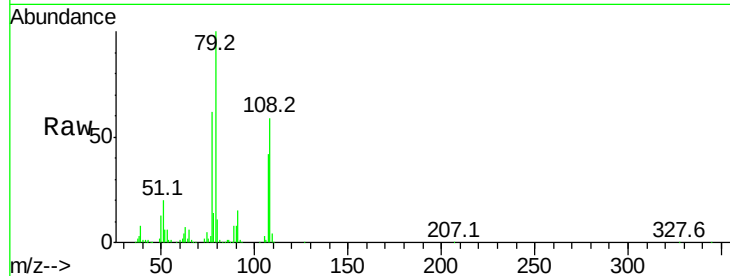
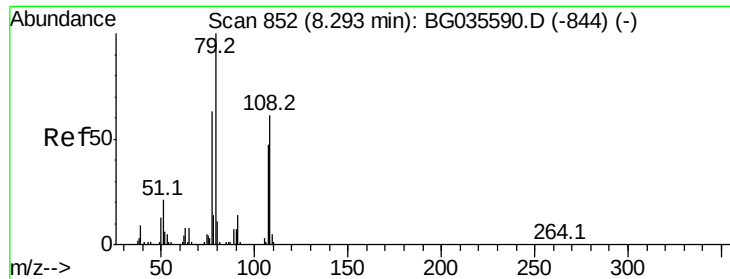
Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	146	Resp:	163391
Ion Ratio	Lower	Upper	
146	100		
148	63.1	49.3	73.9
111	42.1	34.3	51.5





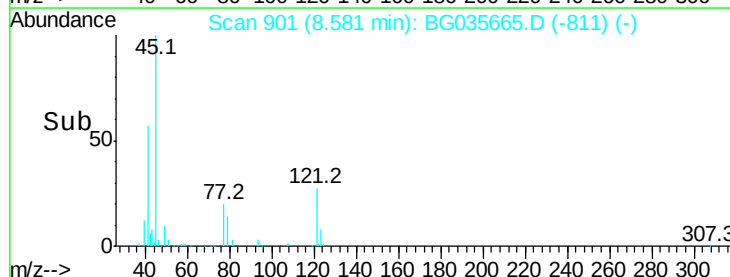
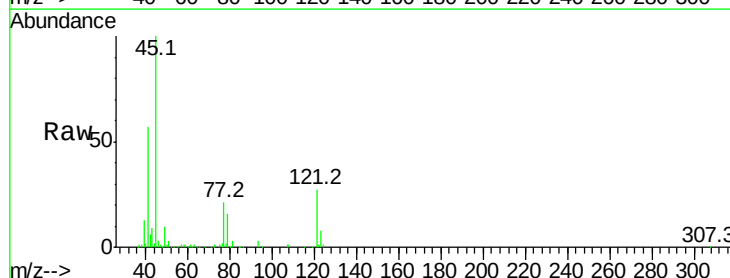
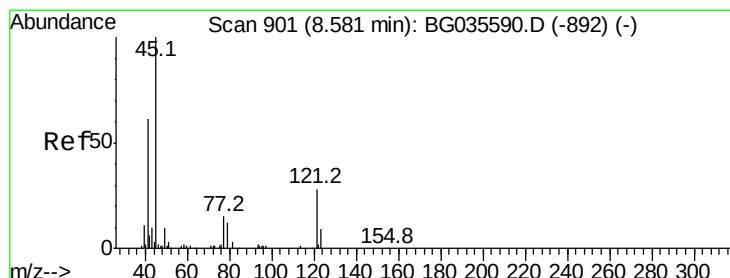
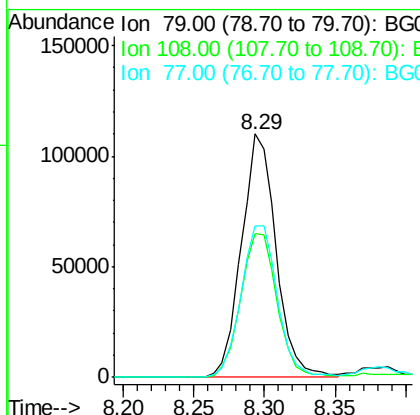
#15
Benzyl Alcohol
Concen: 43.288 ng
RT: 8.29 min Scan# 852
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	59.3		57.2	85.8
77	62.2		46.1	69.1

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

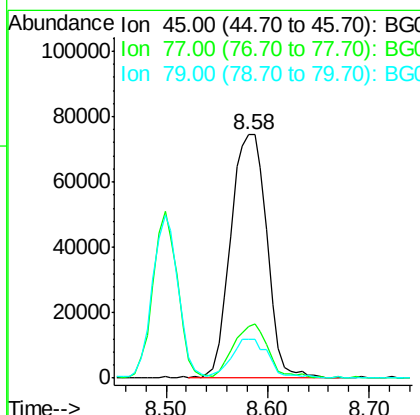
Manual Integrations
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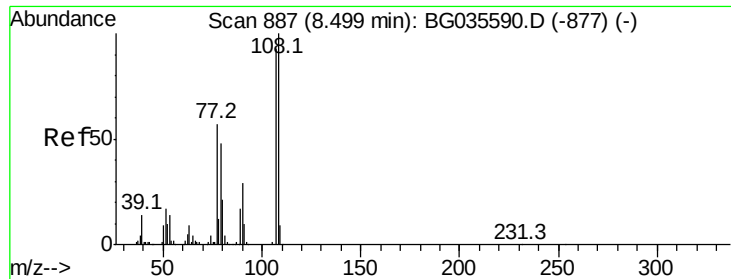
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.647 ng
RT: 8.58 min Scan# 901
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	21.3		0.0	30.2
79	15.8		0.0	27.9





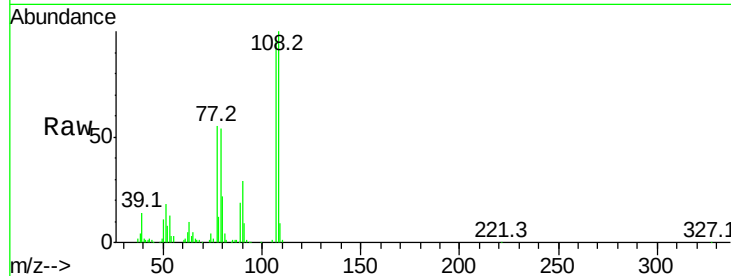
#17
2-Methylphenol
Concen: 45.120 ng
RT: 8.50 min Scan# 887
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	104.6	83.9	125.9	
77	57.7	37.2	55.8	
79	56.3	36.2	54.2	

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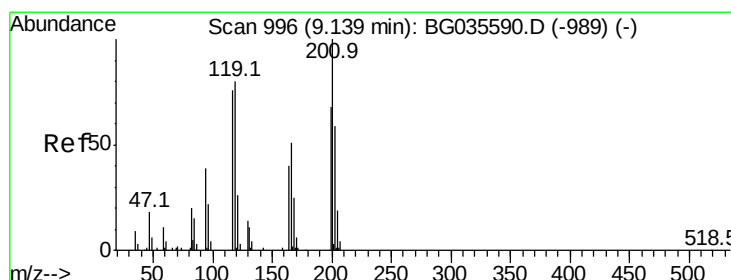
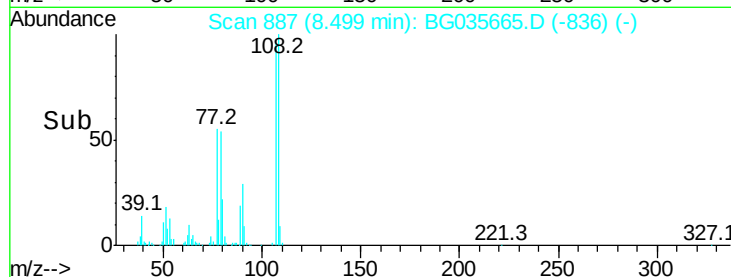
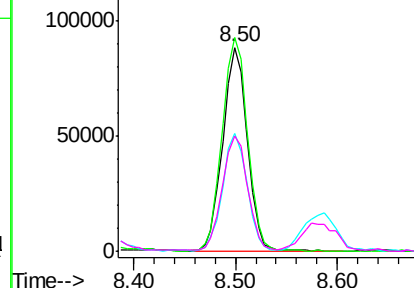
Abundance

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: 41.116 ng
RT: 9.14 min Scan# 996
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

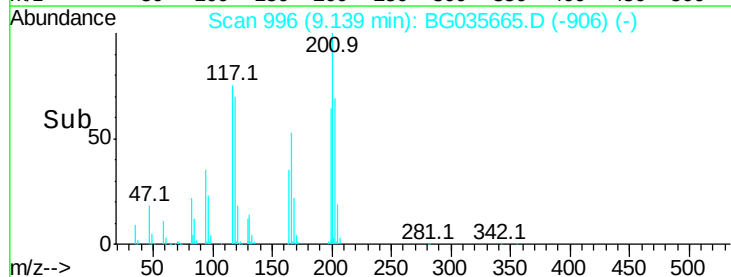
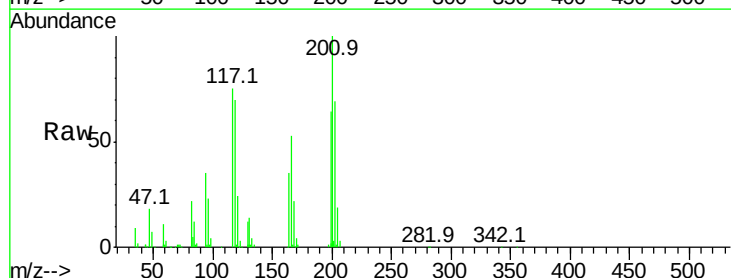
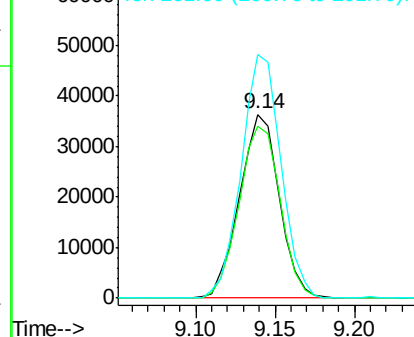
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.3	76.7	115.1	
201	132.5	95.7	143.5	

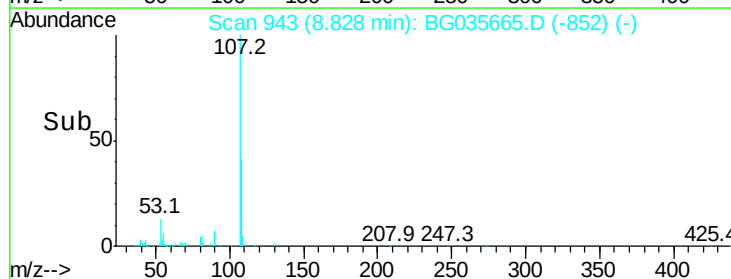
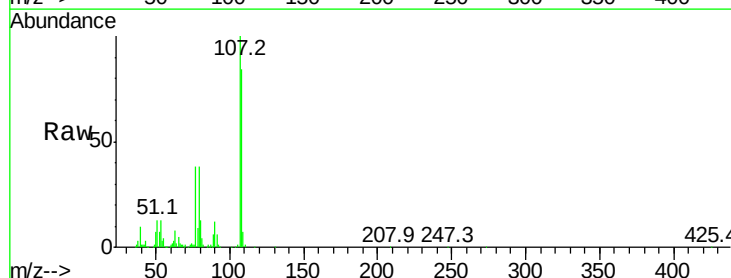
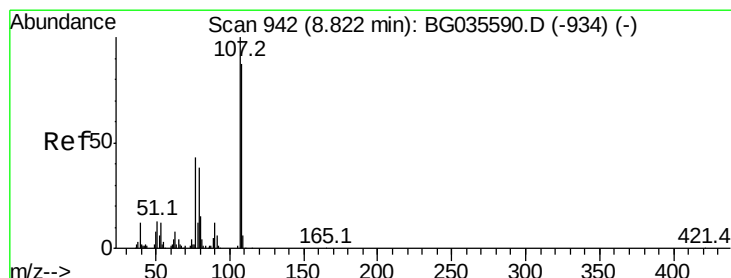
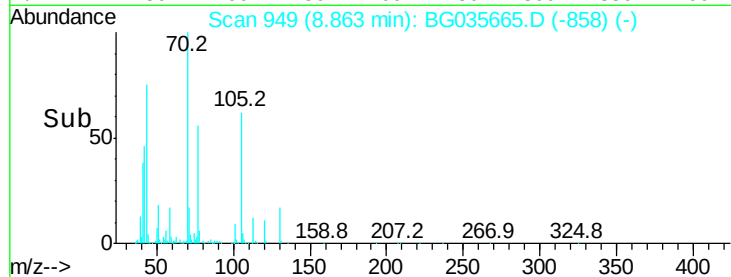
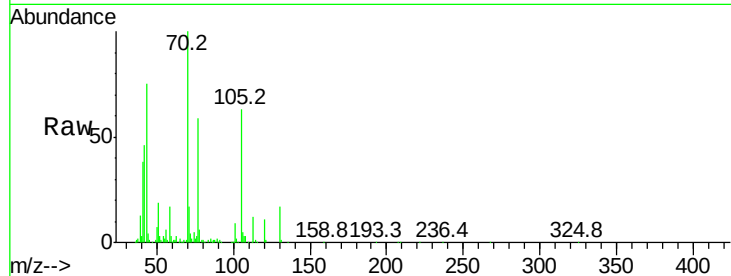
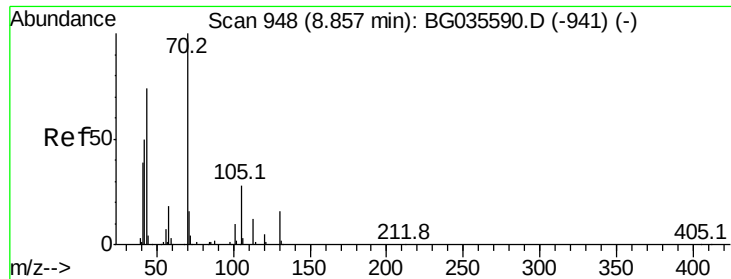
Abundance

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: 38.638 ng

RT: 8.86 min Scan# 949

Delta R.T. 0.01 min

Lab File: BG035665.D

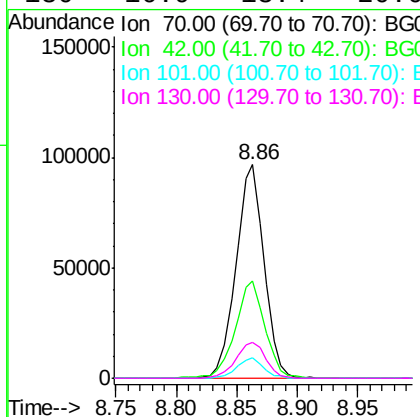
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ion Ratio	Resp Lower	Upper
70	100		
42	45.8	49.1	73.7#
101	9.4	8.5	12.7
130	16.9	13.4	20.0

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#20

3+4-Methylphenols

Concen: 45.353 ng

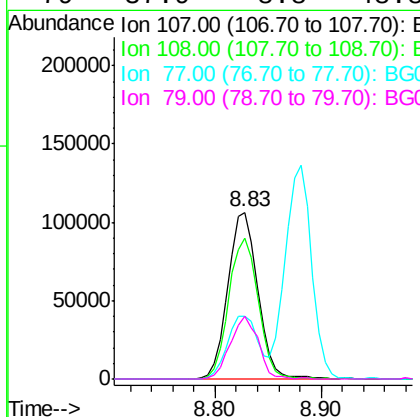
RT: 8.83 min Scan# 943

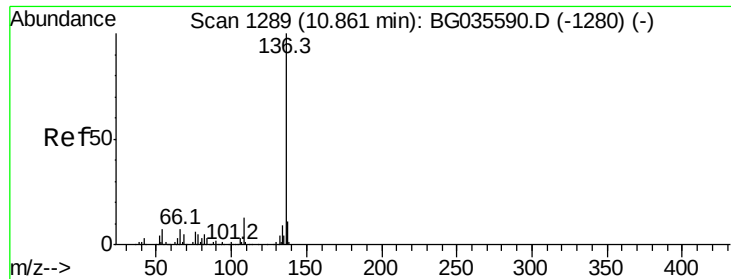
Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion	Ion Ratio	Resp Lower	Upper
107	100		
108	84.3	61.6	101.6
77	38.0	13.9	53.9
79	37.9	8.8	48.8





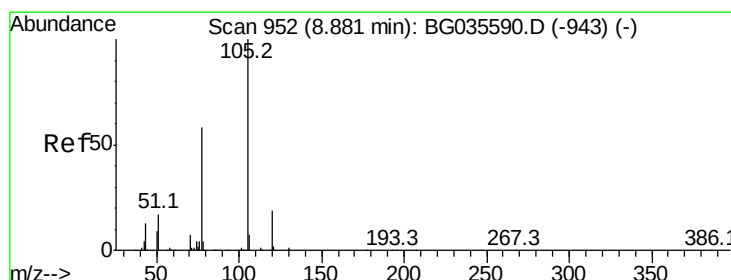
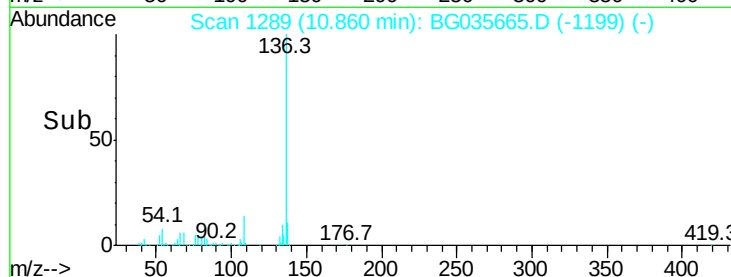
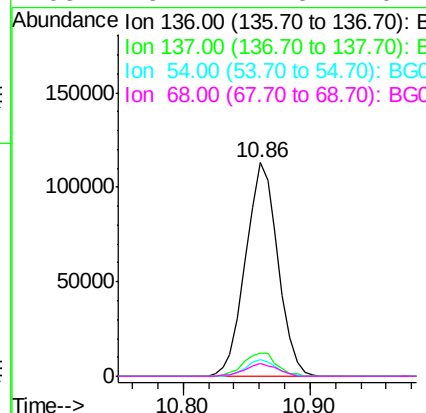
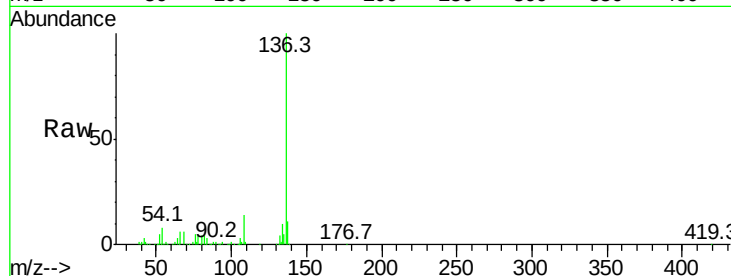
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	199831		
137	10.9	9.2	13.8	
54	7.5	10.3	15.5	
68	5.7	4.5	6.7	

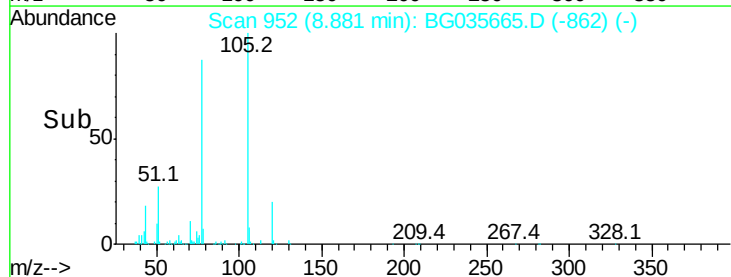
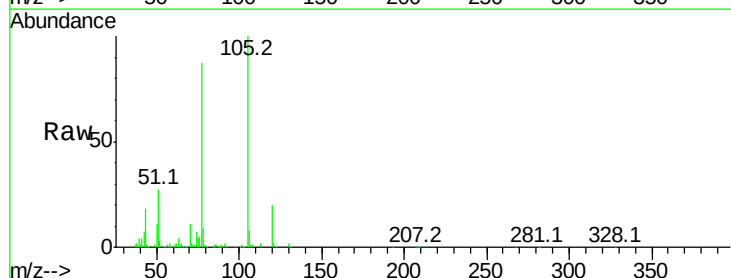
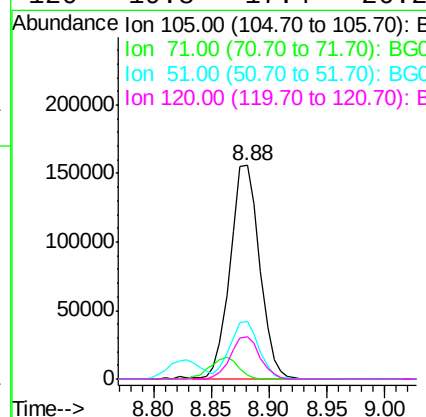
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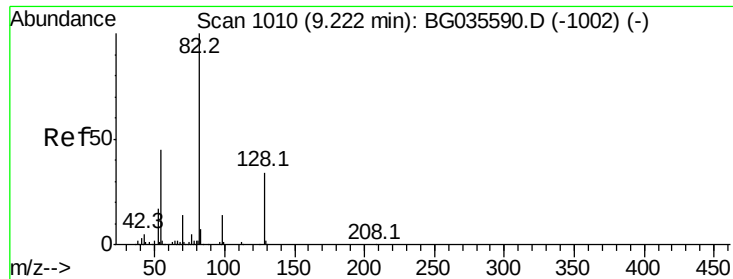
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#22
Acetophenone
Concen: 44.563 ng
RT: 8.88 min Scan# 952
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276924		
71	1.5	3.0	4.4	
51	26.8	26.1	39.1	
120	19.8	17.4	26.2	





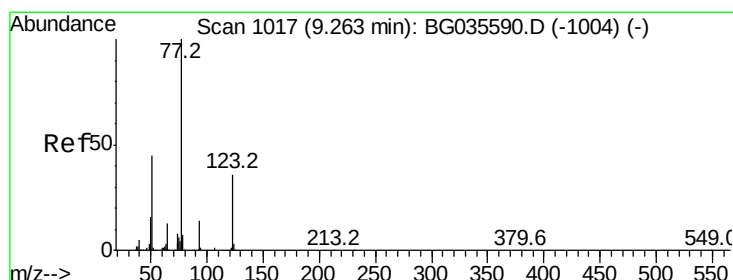
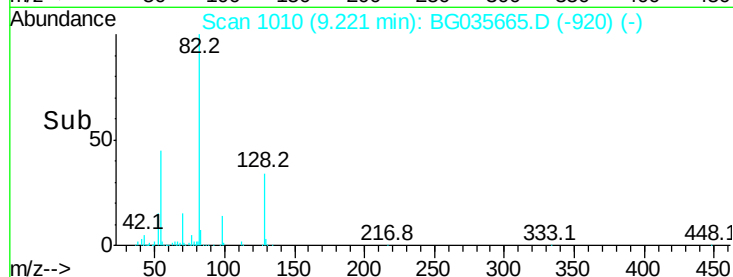
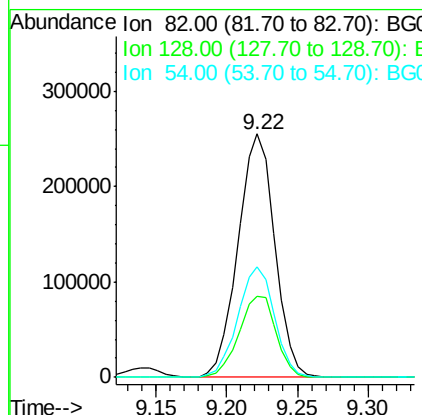
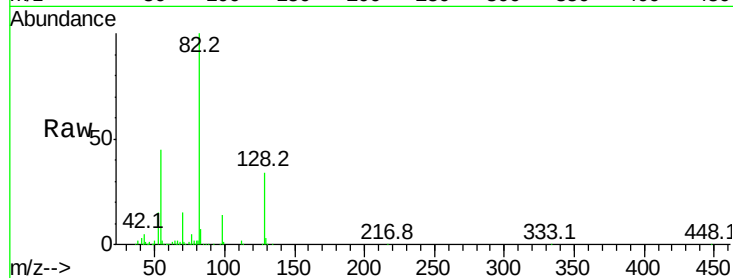
#23
Nitrobenzene-d5
Concen: 97.188 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.5	29.7	44.5	
54	45.4	43.1	64.7	

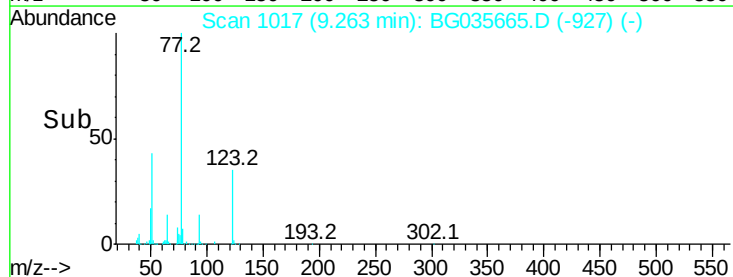
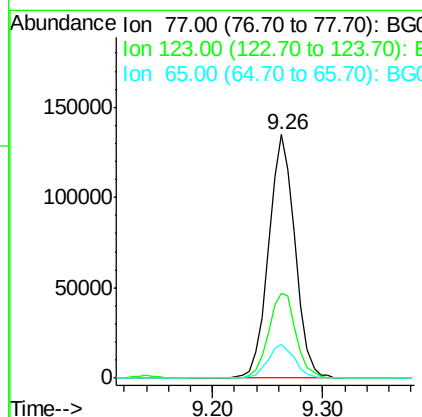
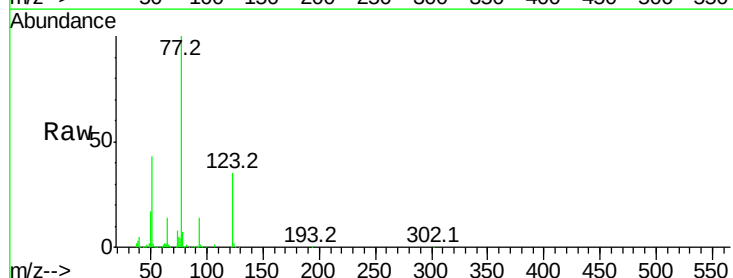
Manual Integrations
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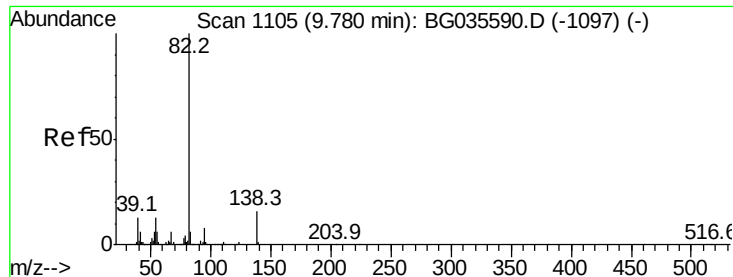
Sohil
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#24
Nitrobenzene
Concen: 46.624 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	34.7	33.0	49.6	
65	13.7	13.0	19.6	





#25

Isophorone

Concen: 49.663 ng

RT: 9.78 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

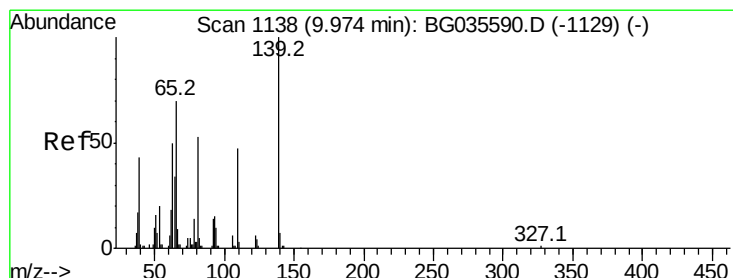
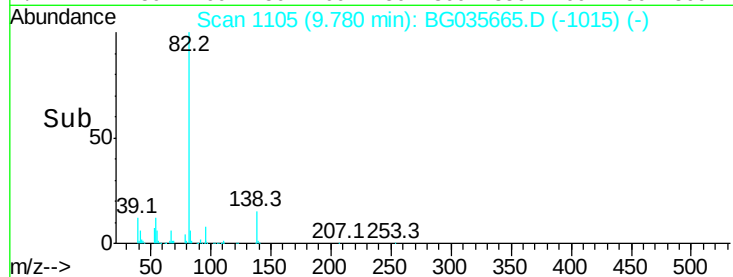
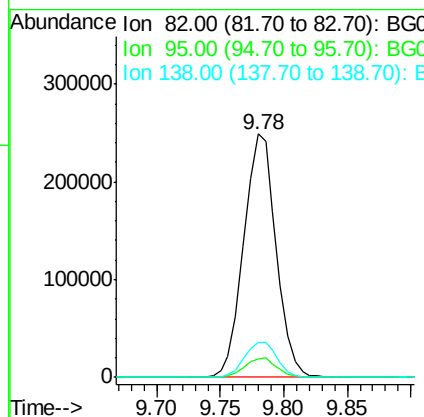
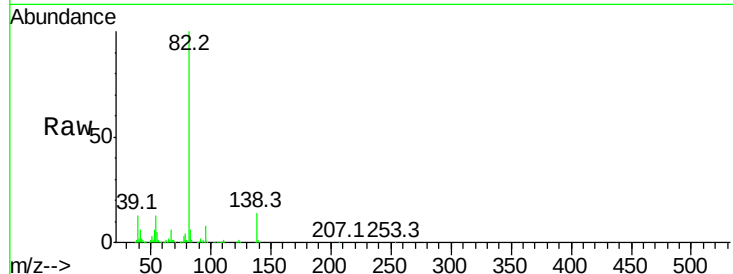
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	82	Resp:	441000
Ion Ratio	Lower	Upper	
82	100		
95	7.5	6.2	9.2
138	14.2	12.1	18.1

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#26

2-Nitrophenol

Concen: 51.834 ng

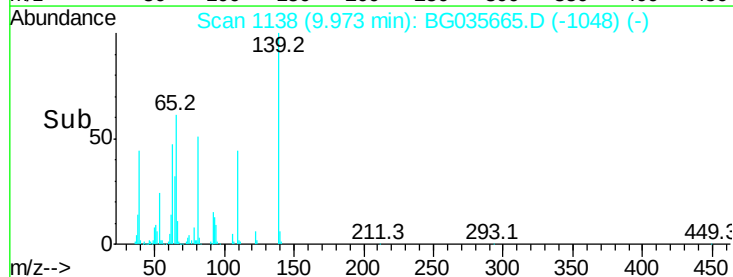
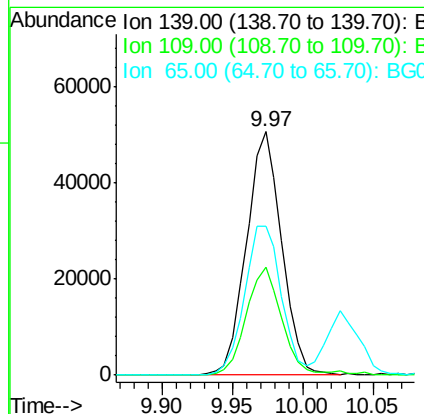
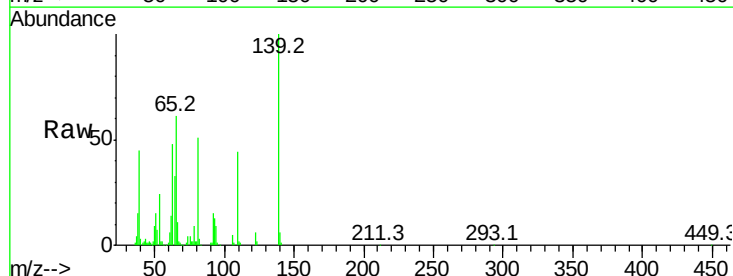
RT: 9.97 min Scan# 1138

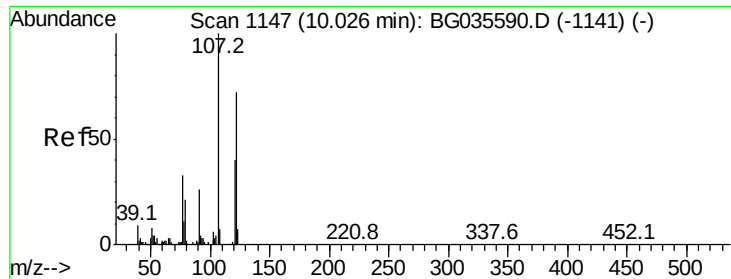
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	139	Resp:	88562
Ion Ratio	Lower	Upper	
139	100		
109	44.5	24.2	36.2#
65	61.2	47.4	71.0





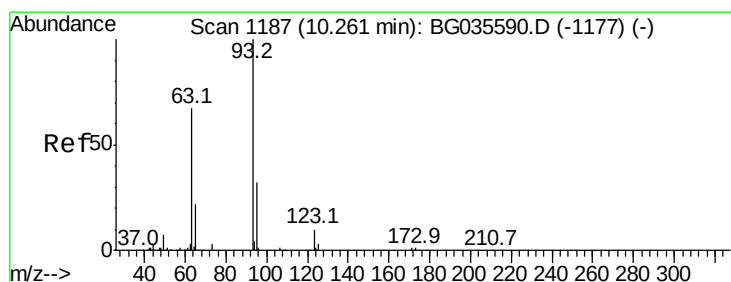
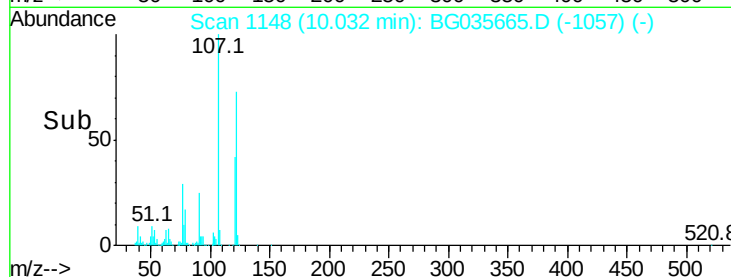
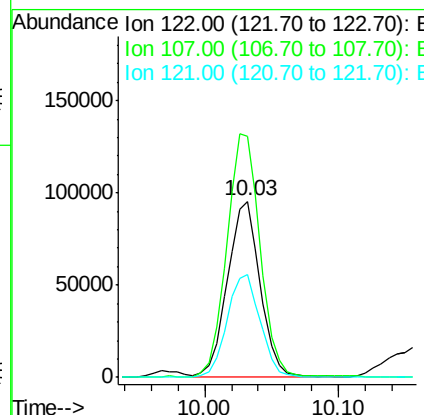
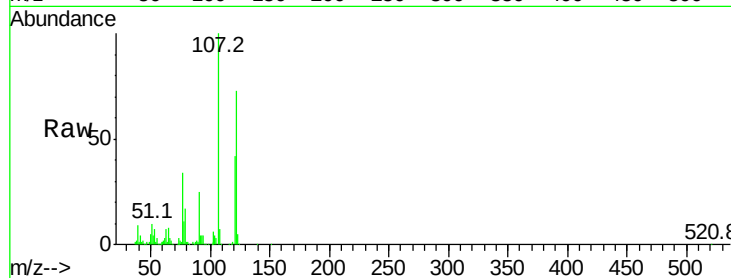
#27
2,4-Dimethylphenol
Concen: 56.123 ng
RT: 10.03 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	136.9	100.2	150.2
121	58.0	44.4	66.6

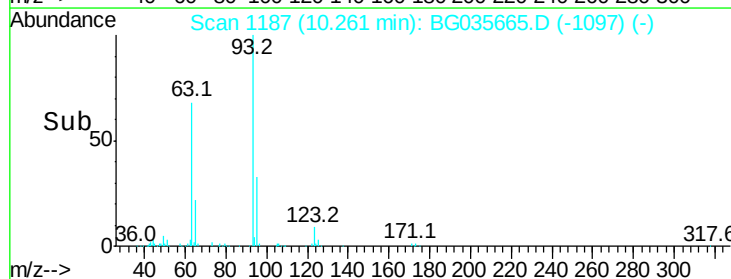
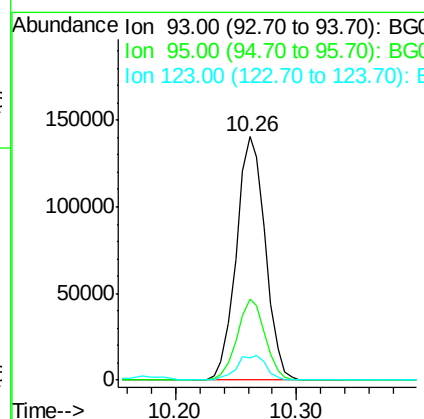
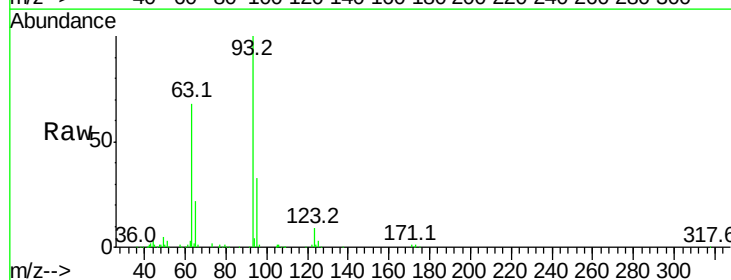
Manual Integrations
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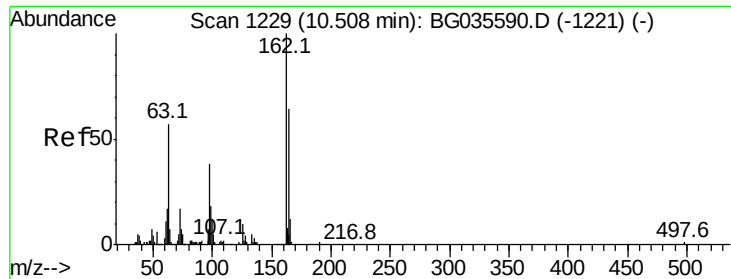
Sohil
7/17/2018 4:57:16 PM



#28
bis(2-Chloroethoxy)methane
Concen: 47.843 ng
RT: 10.26 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	24.3	36.5
123	9.3	8.4	12.6





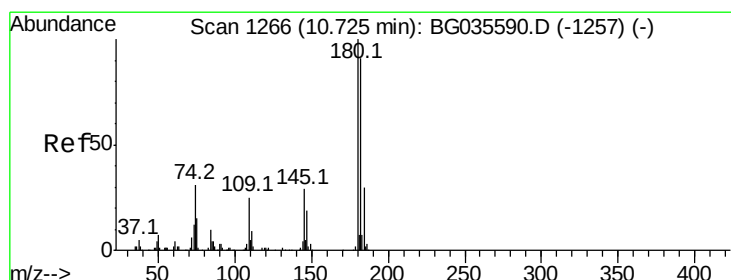
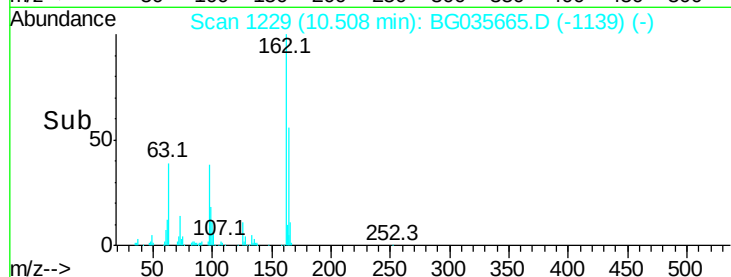
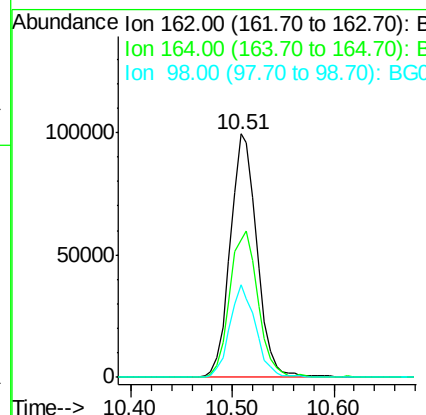
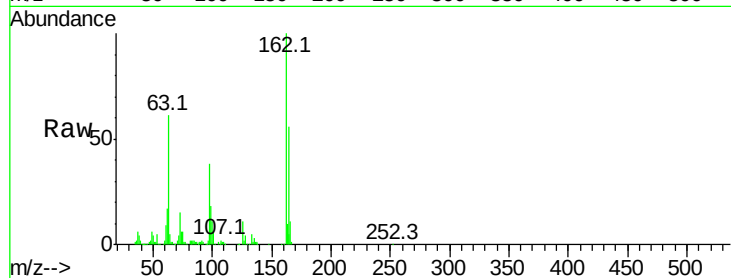
#29
 2,4-Dichlorophenol
 Concen: 55.041 ng
 RT: 10.51 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampled :
 LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	181711		
164	56.4	48.0	88.0	
98	37.9	21.1	61.1	

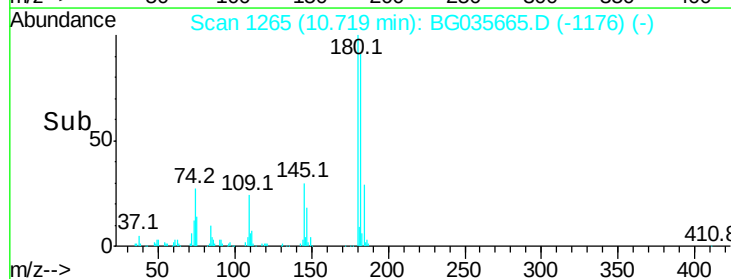
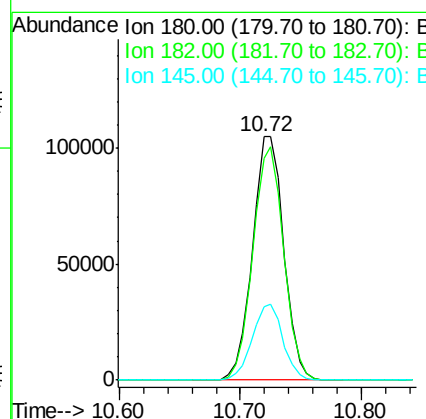
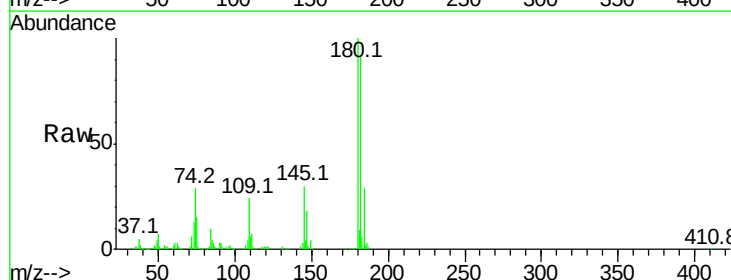
Manual Integrations
 APPROVED

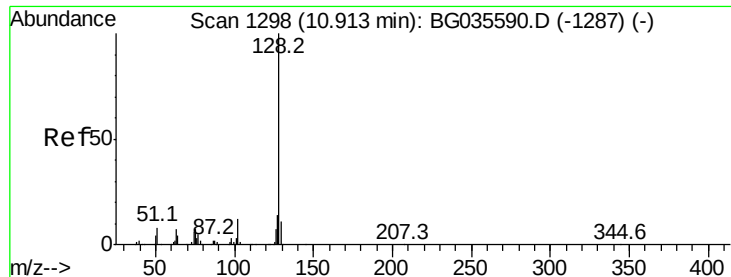
Sohil
 7/17/2018 4:57:16 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 46.560 ng
 RT: 10.72 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188485		
182	91.0	77.5	116.3	
145	29.9	23.4	35.2	





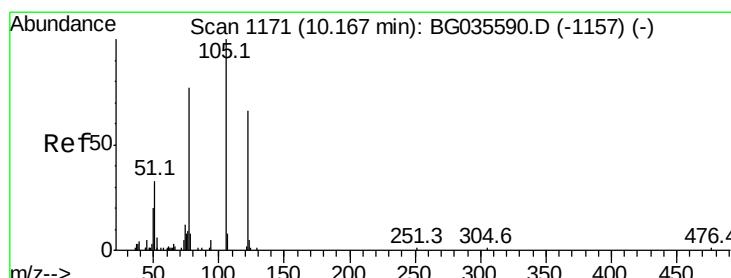
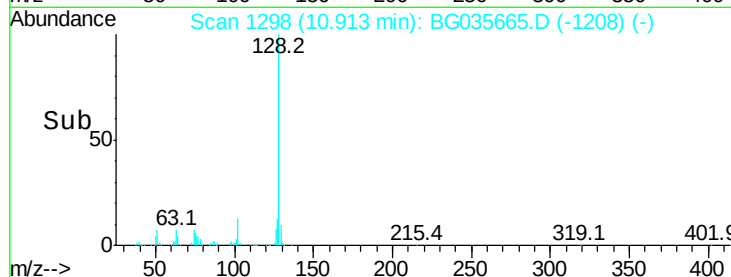
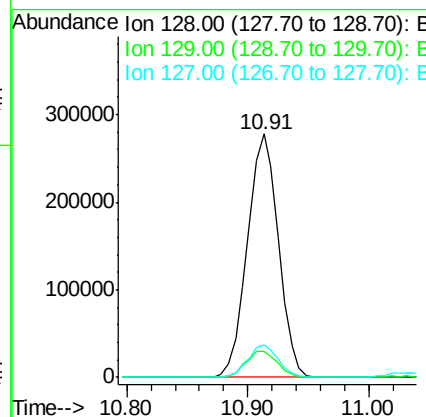
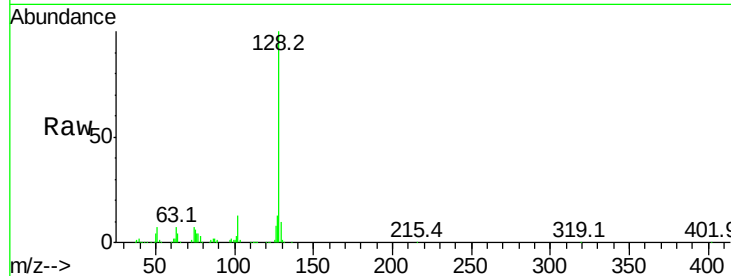
#31
Naphthalene
Concen: 47.780 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.4	11.6	17.4

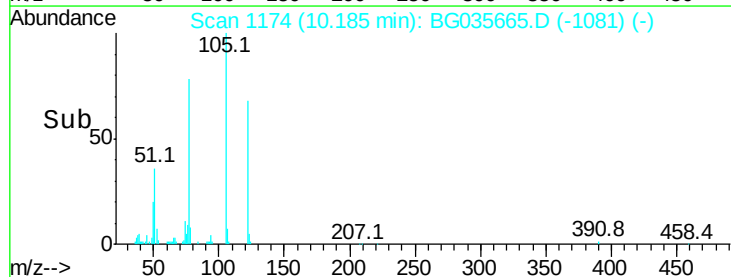
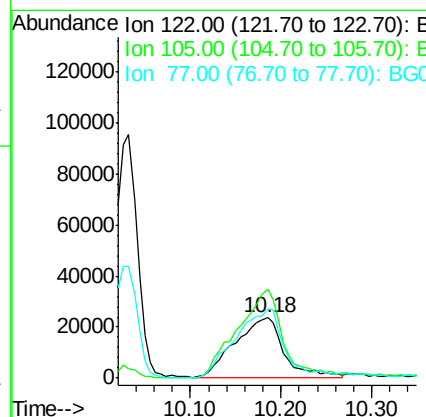
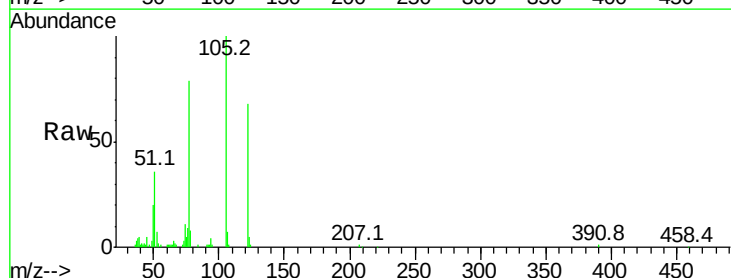
Manual Integrations
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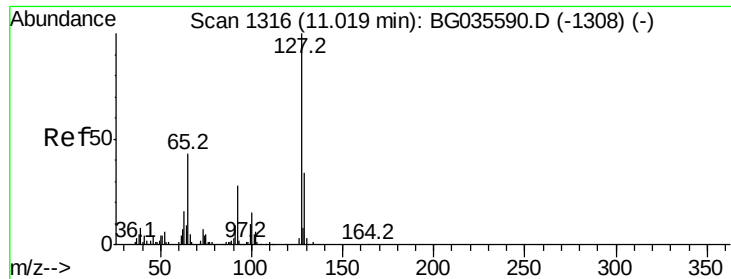
Sohil
7/17/2018 4:57:16 PM



#32
Benzoic acid
Concen: 43.894 ng
RT: 10.18 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	146.9	123.5	163.5
77	115.6	85.7	125.7





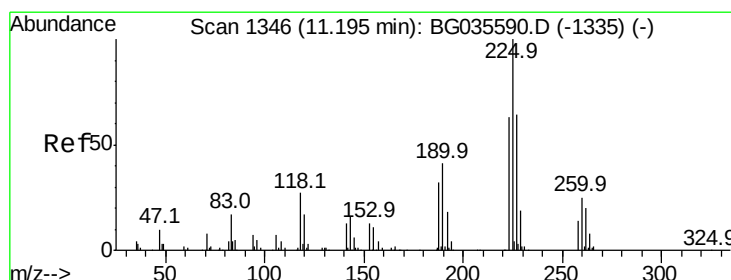
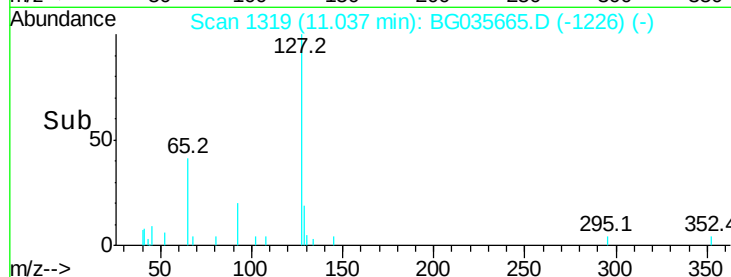
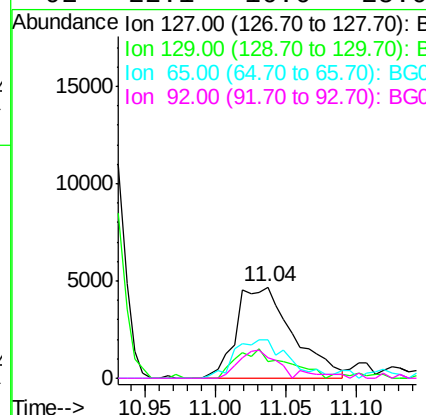
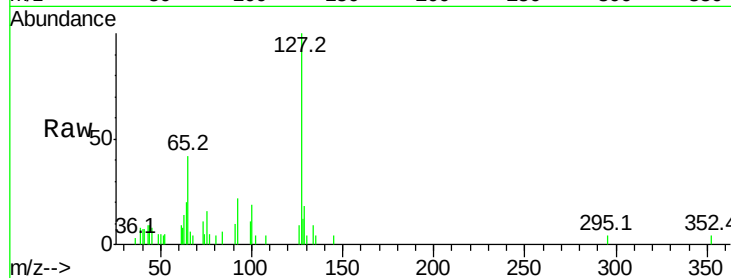
#33
4-Chloroaniline
Concen: 2.881 ng
RT: 11.04 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	18.2	24.0	36.0#
65	42.0	27.0	40.4#
92	22.1	16.6	25.0

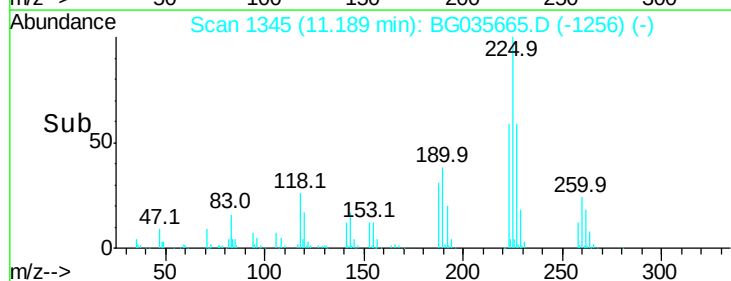
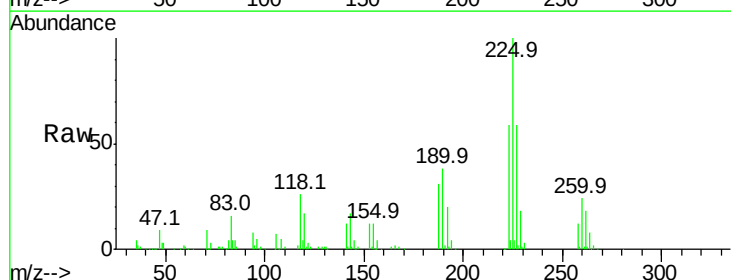
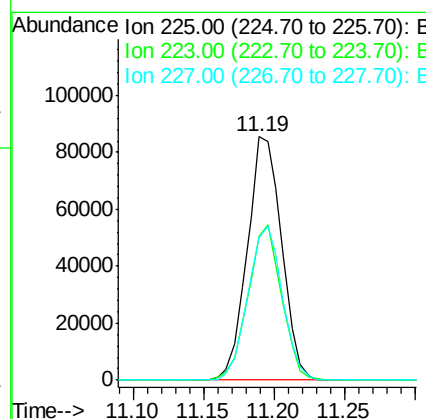
Manual Integrations
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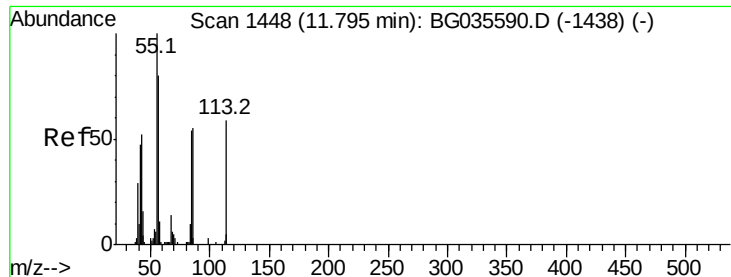
Sohil
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#34
Hexachlorobutadiene
Concen: 46.191 ng
RT: 11.19 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.1	49.7	74.5
227	58.6	48.1	72.1





#35

Caprolactam

Concen: 33.638 ng/mL

RT: 11.79 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MSD

Tot Ion:113 Resp: 47657

Ion Ratio Lower Upper

113 100

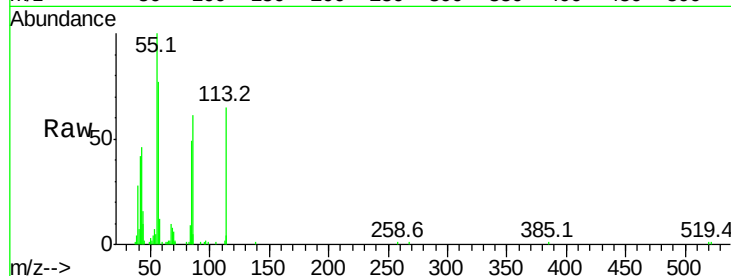
55 153.2 186.9 226.9#

56 117.9 130.9 170.9#

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Sohil

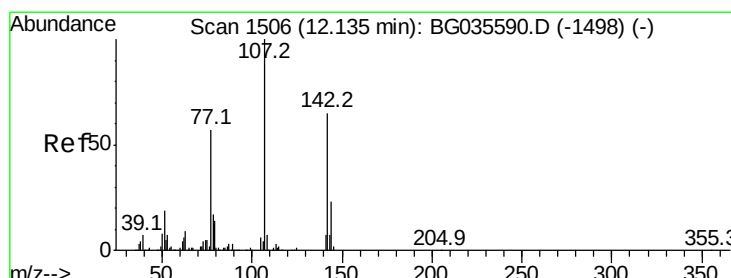
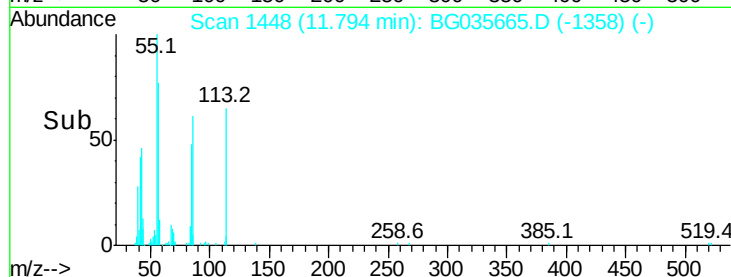
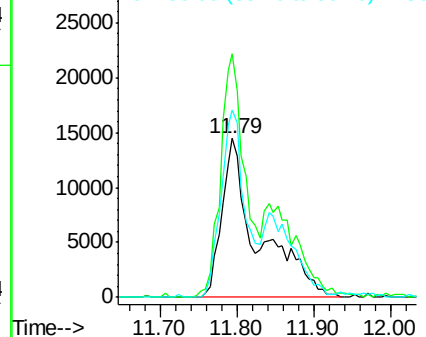
7/17/2018 4:57:16 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 50.401 ng/mL

RT: 12.14 min Scan# 1507

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

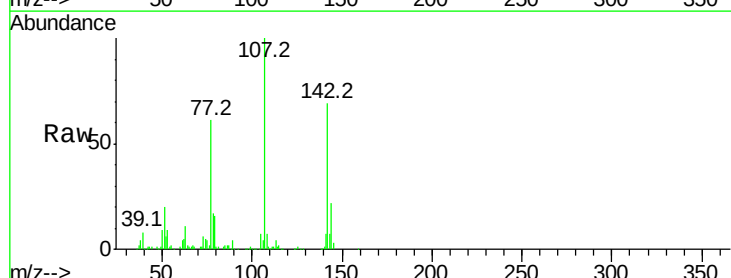
Tgt Ion:107 Resp: 223033

Ion Ratio Lower Upper

107 100

144 21.6 18.2 27.4

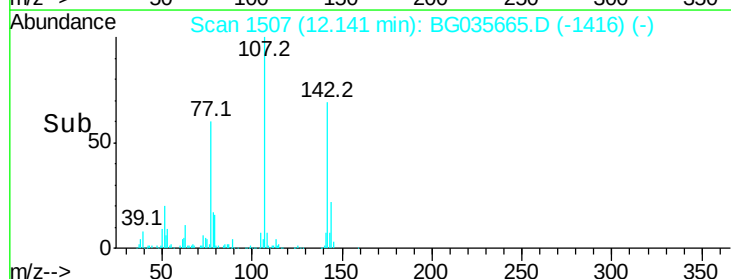
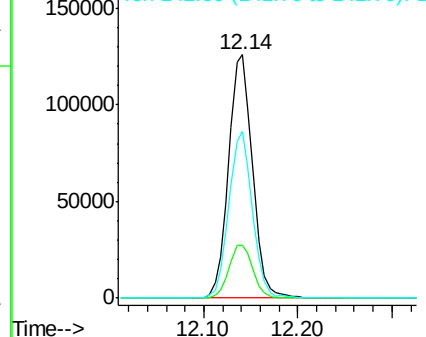
142 68.5 59.0 88.4

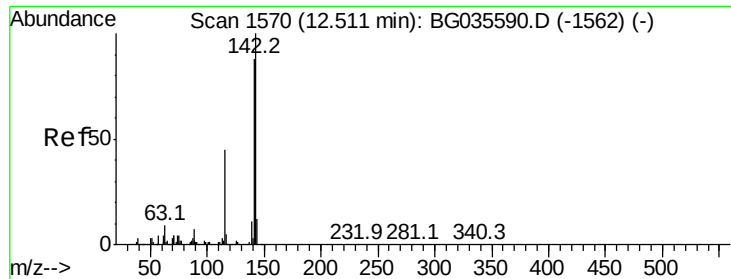


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





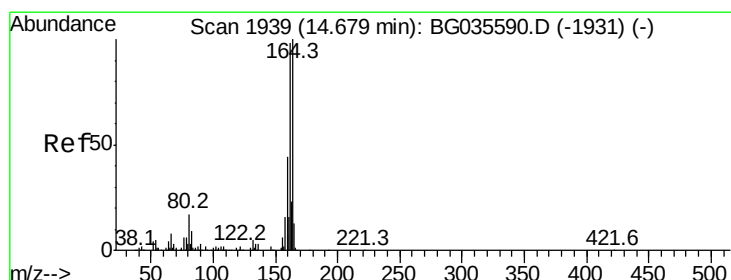
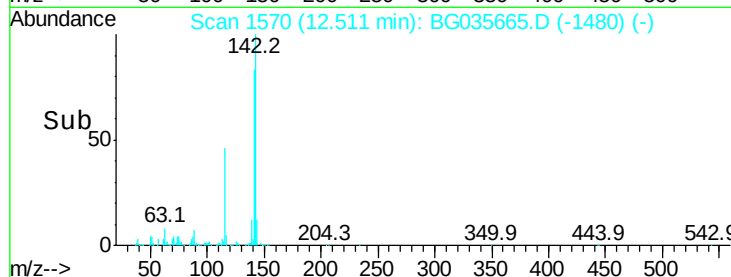
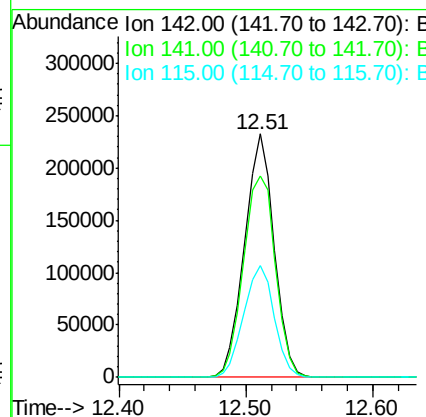
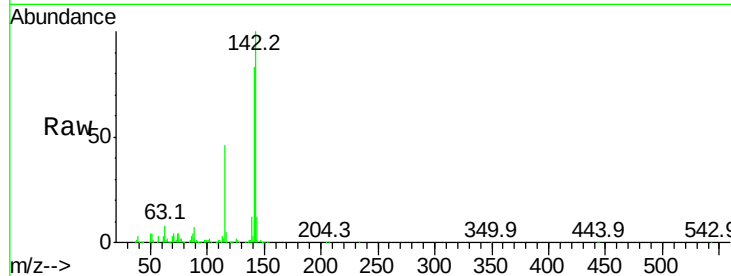
#37
 2-Methylnaphthalene
 Concen: 48.550 ng
 RT: 12.51 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.8	67.1	100.7
115	46.0	30.7	46.1

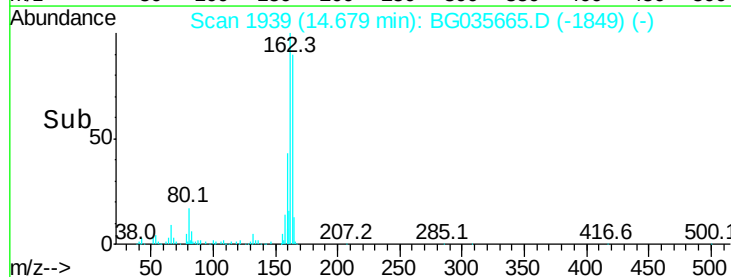
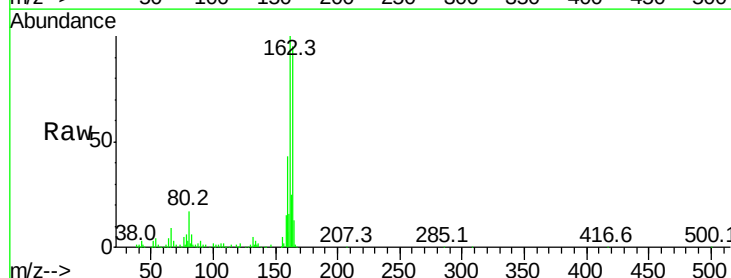
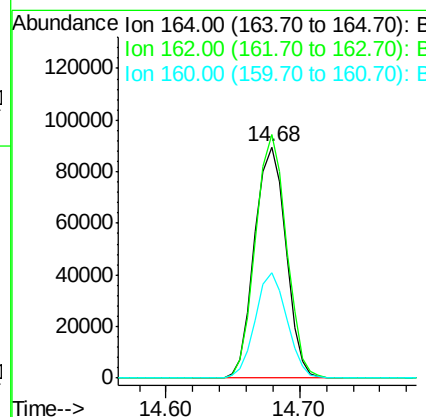
Manual Integrations
 APPROVED

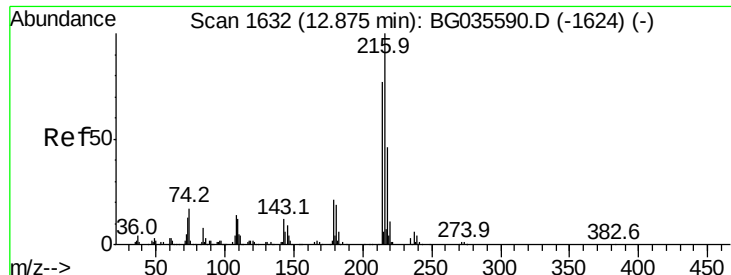
Sohil
 7/17/2018 4:57:16 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	78.8	118.2
160	45.4	35.4	53.0





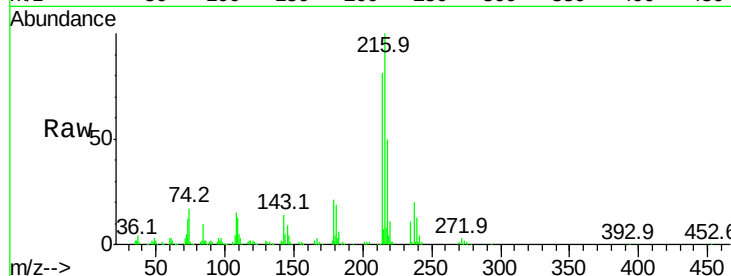
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.019 ng
 RT: 12.88 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	80.0	63.0	94.4
179	20.6	17.0	25.6
108	17.7	12.8	19.2

Manual Integrations
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Sohil
 7/17/2018 4:57:16 PM



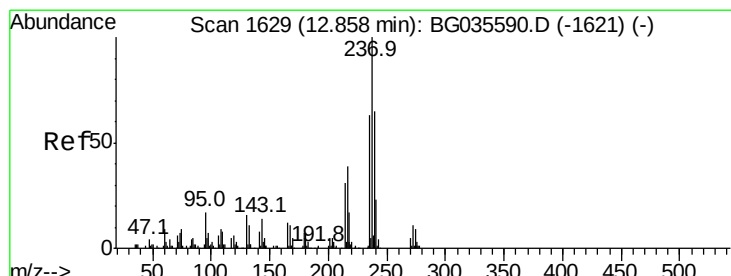
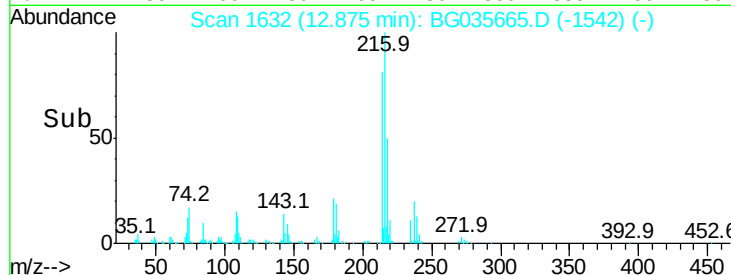
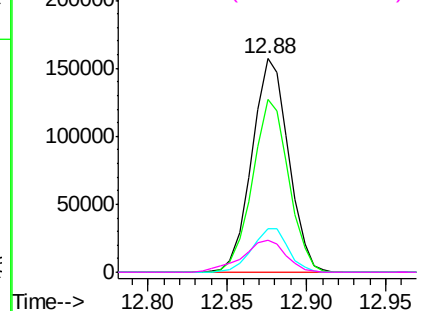
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 116.227 ng
 RT: 12.86 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

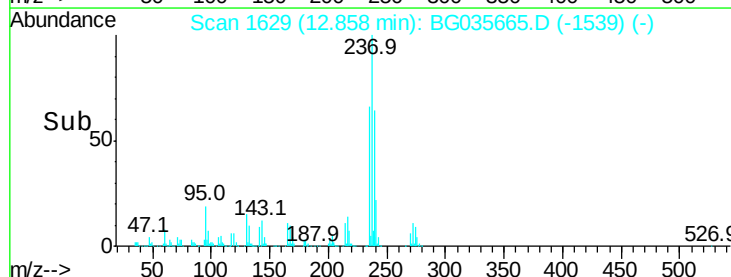
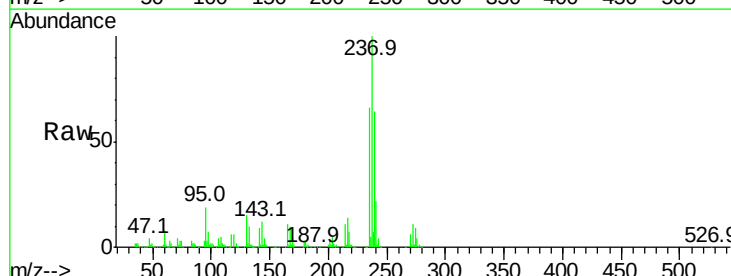
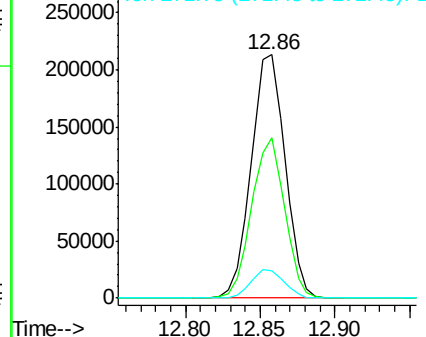
Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	66.1	50.4	90.4
272	11.4	0.0	31.8

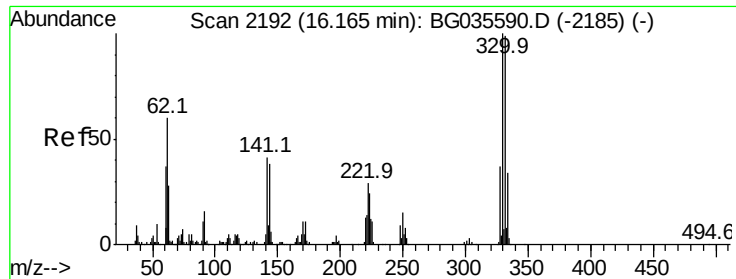
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 163.867 ng

RT: 16.17 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

ClientSampled :

LS-SOIL-1MSD

Tot Ion:330 Resp: 313989

Ion Ratio Lower Upper

330 100

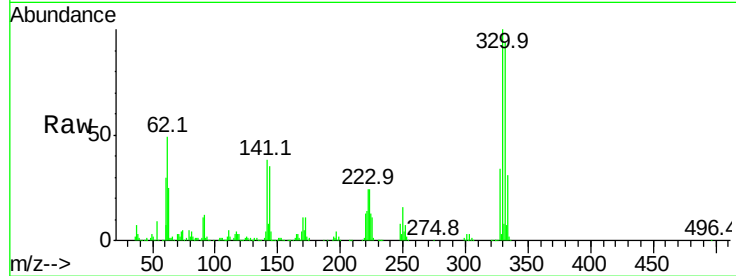
332 94.5 77.0 115.6

141 39.2 25.2 37.8#

Manual Integrations
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Sohil

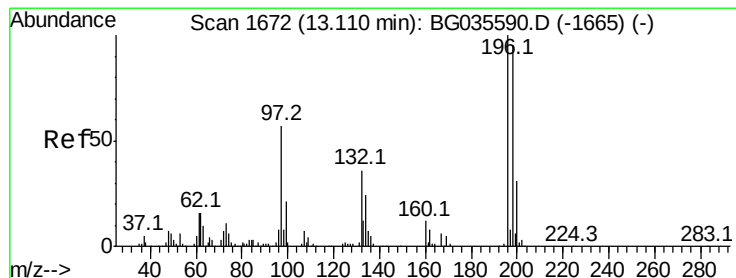
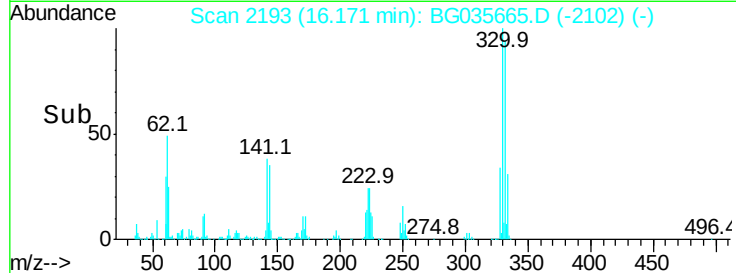
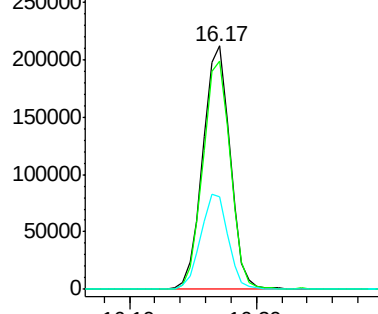
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 52.976 ng

RT: 13.12 min Scan# 1673

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

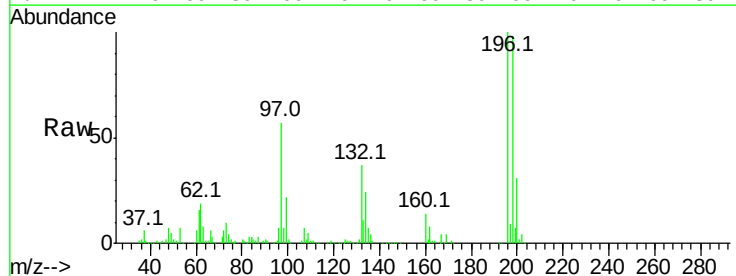
Tgt Ion:196 Resp: 169988

Ion Ratio Lower Upper

196 100

198 98.4 78.2 117.2

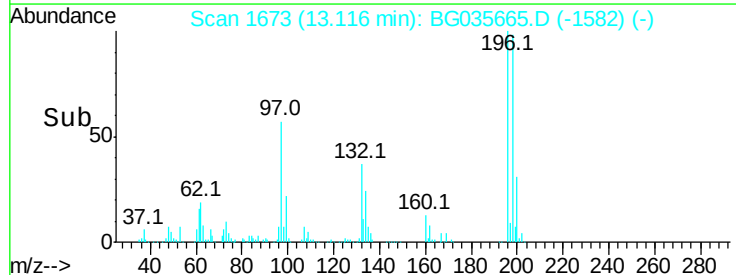
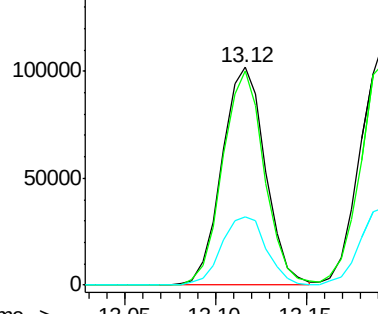
200 31.5 24.6 36.8

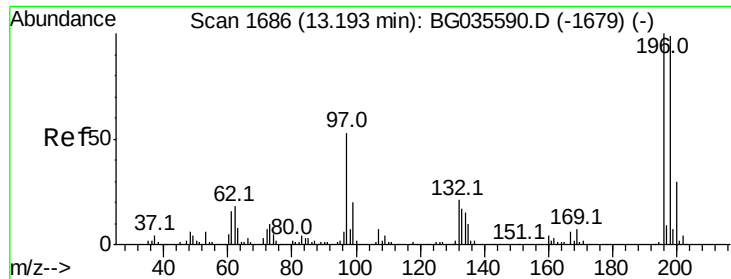


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





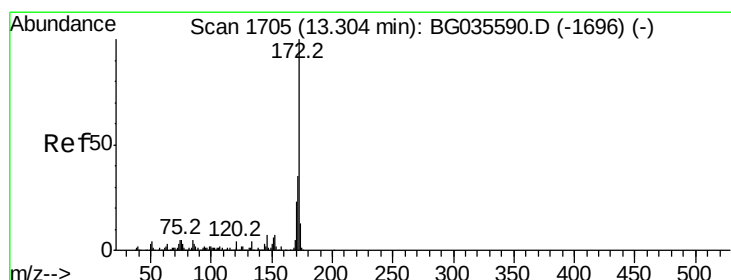
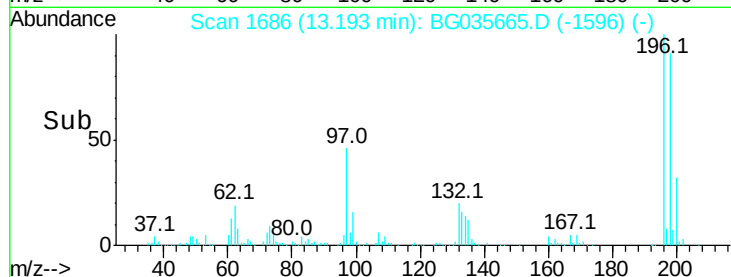
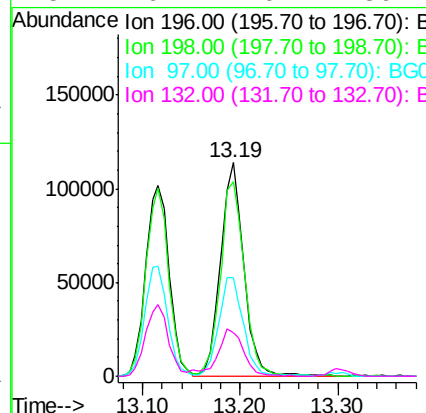
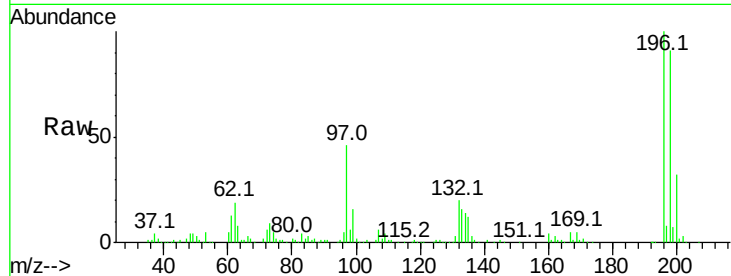
#43
 2,4,5-Trichlorophenol
 Concen: 51.981 ng
 RT: 13.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	186592		
198	91.0	76.2	114.4	
97	46.4	38.7	58.1	
132	20.4	20.2	30.2	

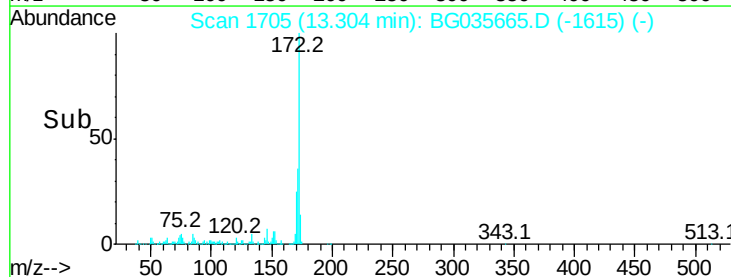
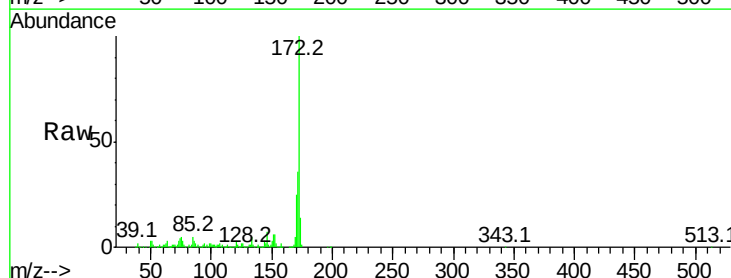
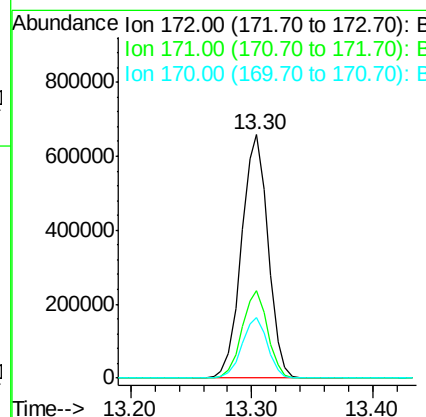
Manual Integrations
 APPROVED

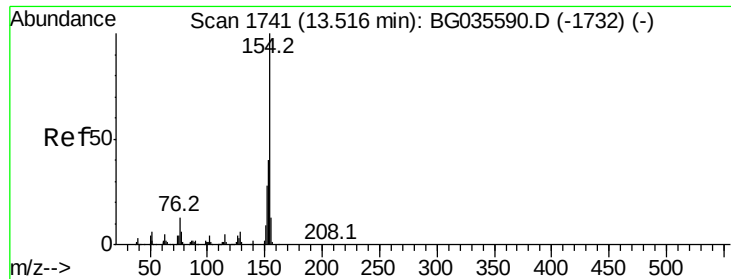
Sohil
 7/17/2018 4:57:16 PM



#44
 2-Fluorobiphenyl
 Concen: 92.812 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1007099		
171	35.9	30.0	45.0	
170	24.9	19.5	29.3	





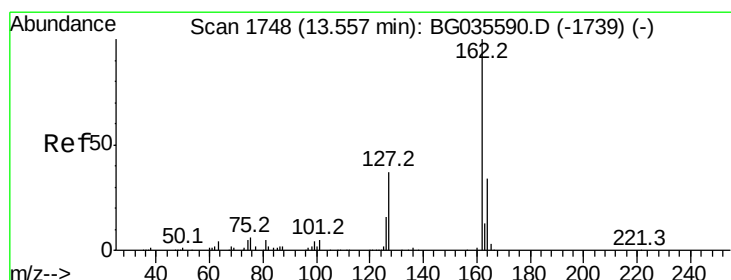
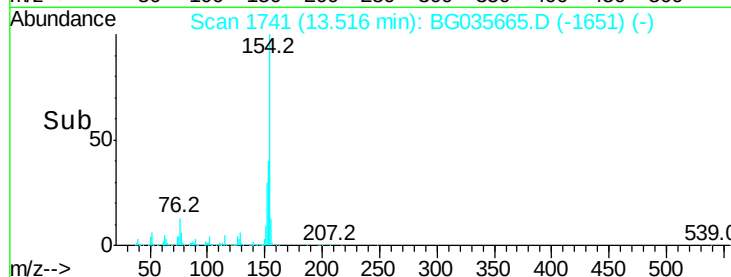
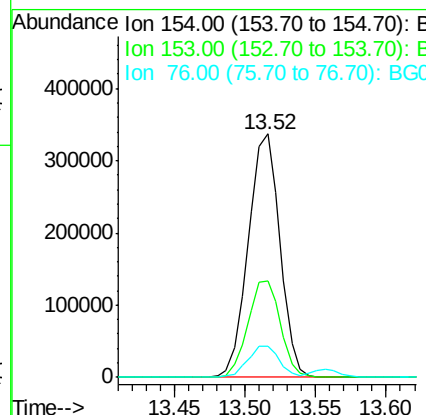
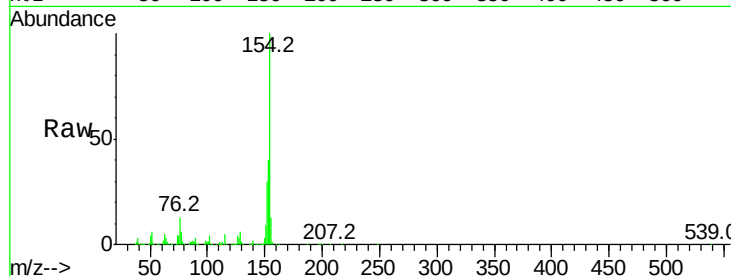
#45
1,1'-Biphenyl
Concen: 47.045 ng
RT: 13.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.8	59.8
76	12.7	0.0	31.9

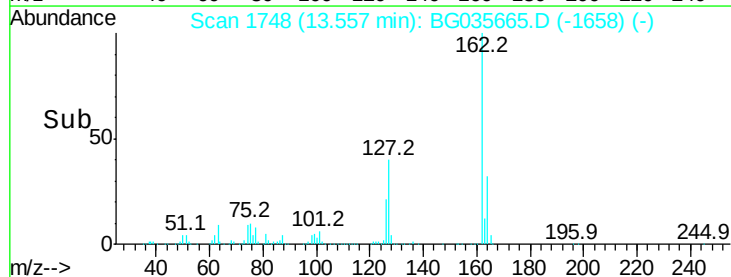
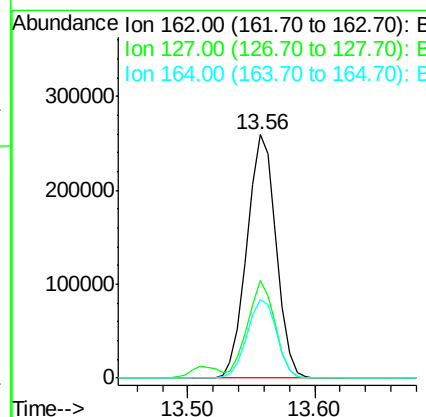
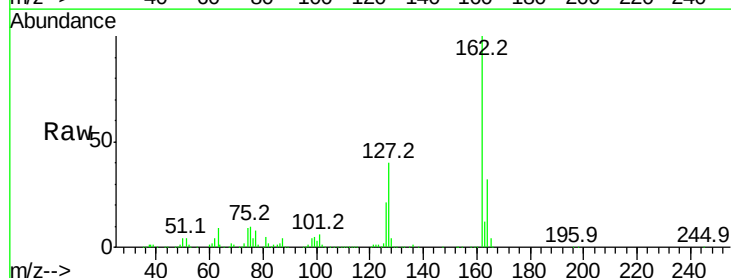
Manual Integrations
APPROVED

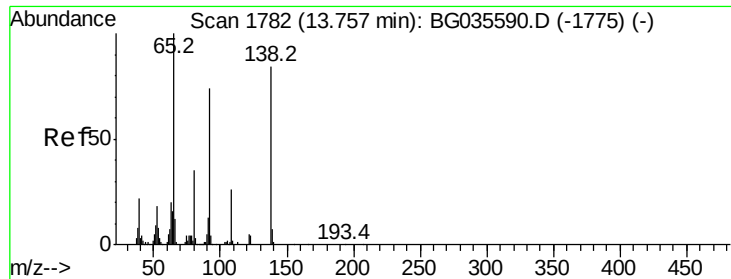
Sohil
7/17/2018 4:57:16 PM



#46
2-Chloronaphthalene
Concen: 47.215 ng
RT: 13.56 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.2	30.7	46.1
164	32.4	26.0	39.0





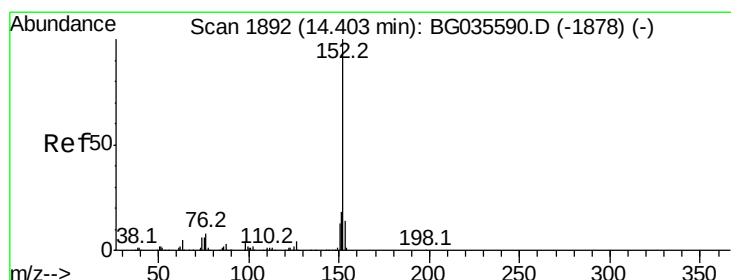
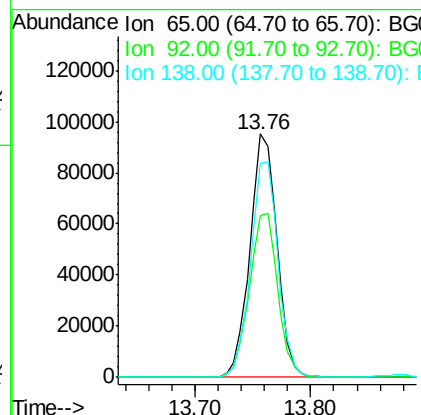
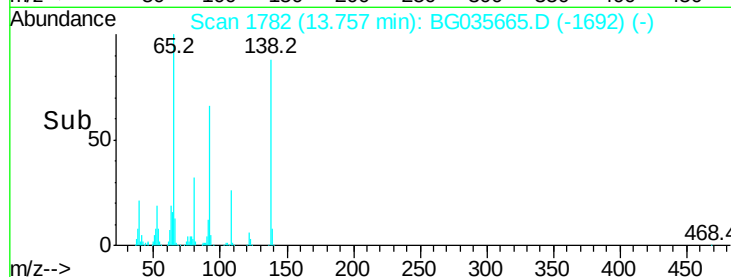
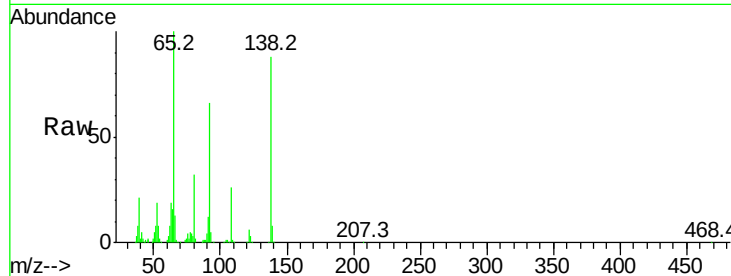
#47
2-Nitroaniline
Concen: 50.388 ng
RT: 13.76 min Scan# 1782
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.4	54.6	82.0
138	88.1	72.9	109.3

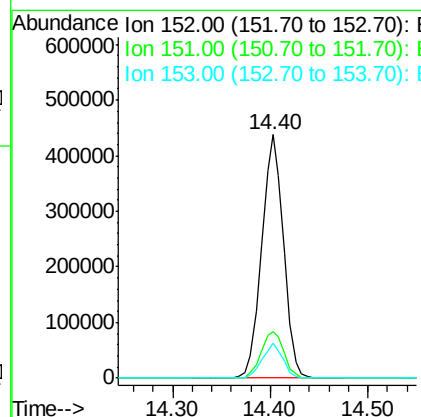
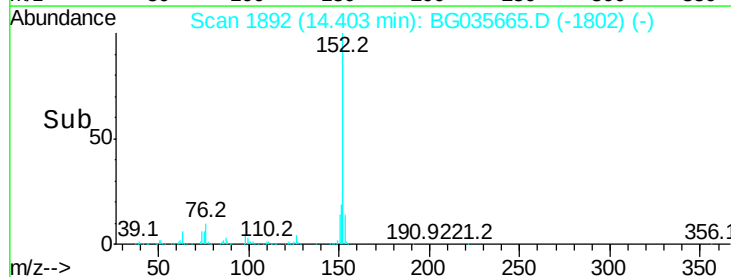
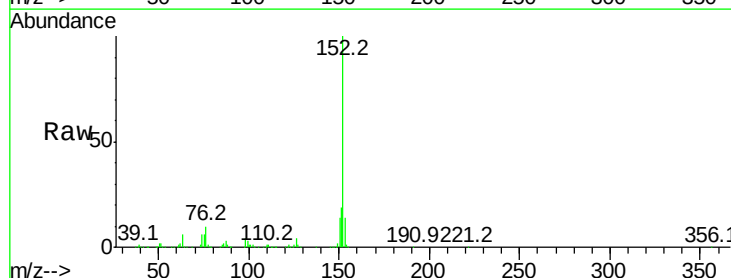
Manual Integrations
APPROVED

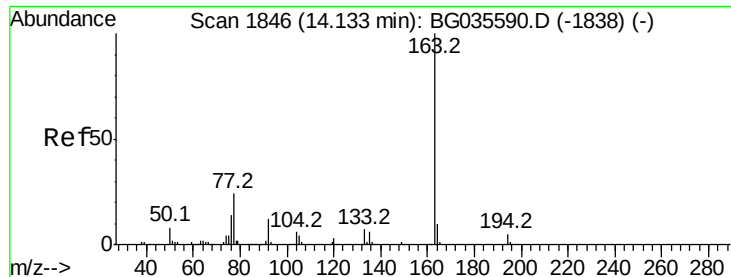
Sohil
7/17/2018 4:57:16 PM



#48
Acenaphthylene
Concen: 46.839 ng
RT: 14.40 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	17.2	25.8
153	14.4	10.2	15.4





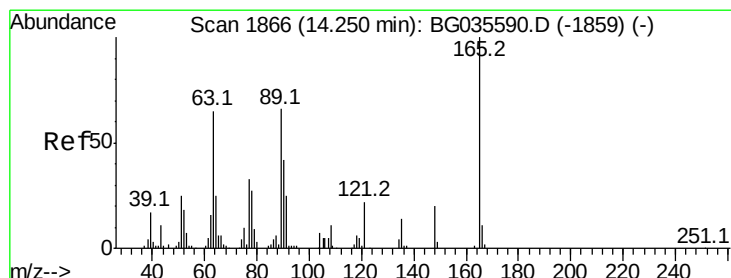
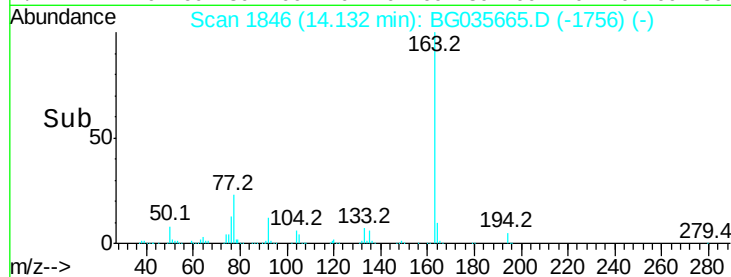
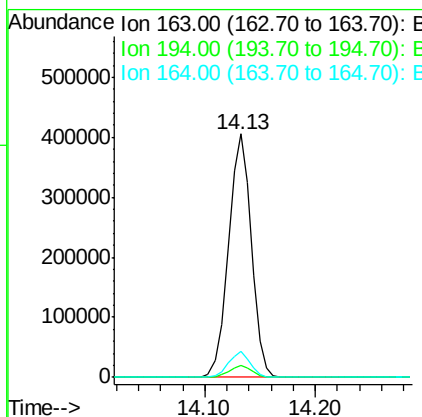
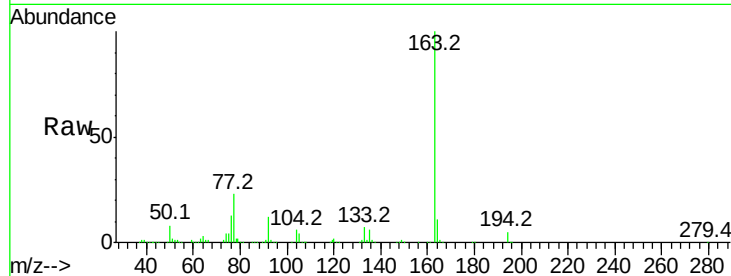
#49
Dimethylphthalate
Concen: 46.033 ng
RT: 14.13 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampled :
LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	586316		
194	4.9		3.4	5.2
164	10.5		8.2	12.4

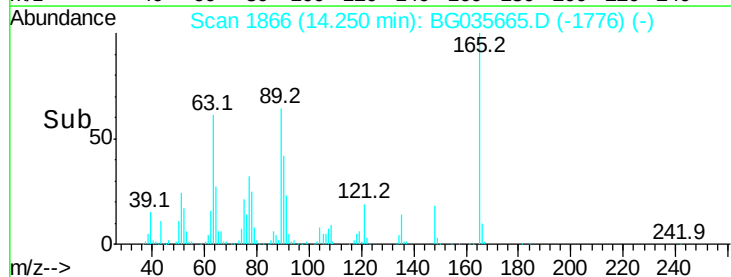
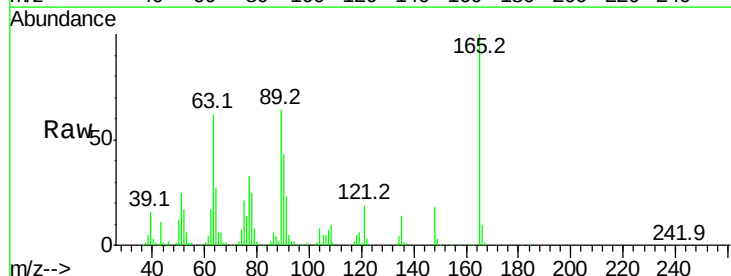
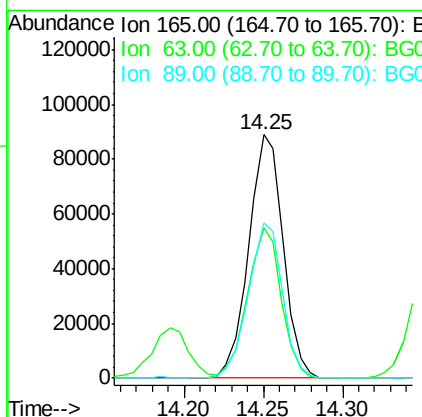
Manual Integrations
APPROVED

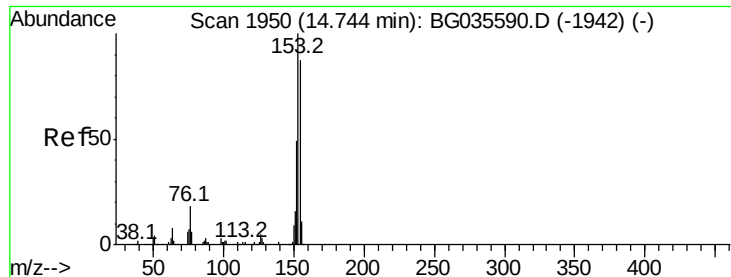
Sohil
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#50
2,6-Dinitrotoluene
Concen: 51.625 ng
RT: 14.25 min Scan# 1866
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	133901		
63	61.6		52.7	79.1
89	63.8		49.2	73.8





#51

Acenaphthene

Concen: 44.352 ng

RT: 14.74 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

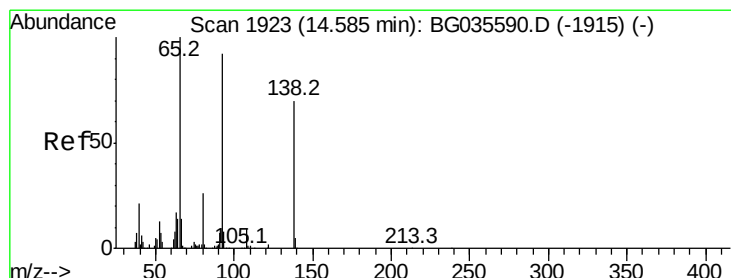
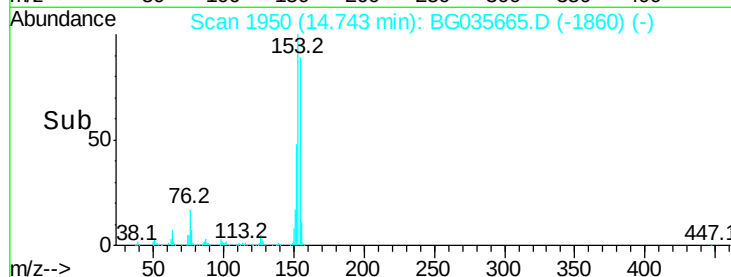
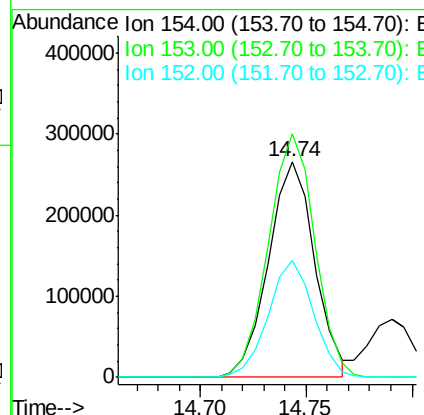
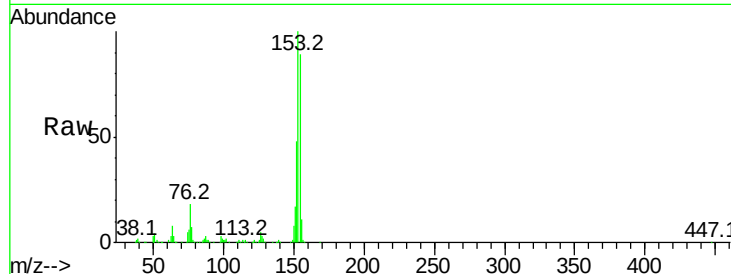
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	154	Resp:	405742
Ion Ratio	Lower	Upper	
154	100		
153	112.7	90.4	135.6
152	54.1	41.6	62.4

Manual Integrations
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#52

3-Nitroaniline

Concen: 18.179 ng

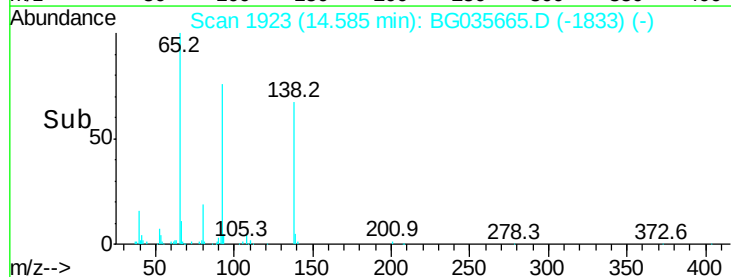
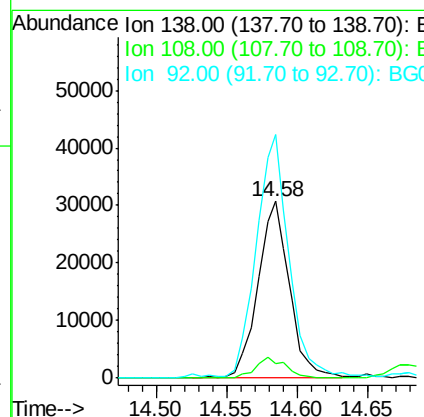
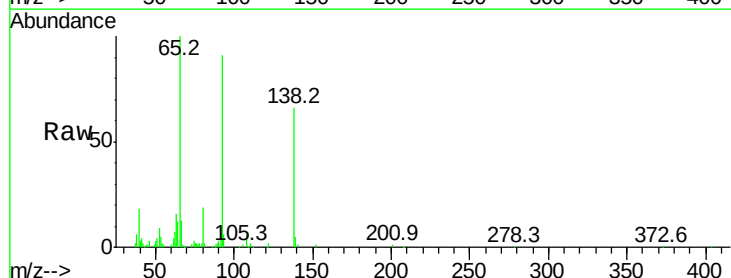
RT: 14.58 min Scan# 1923

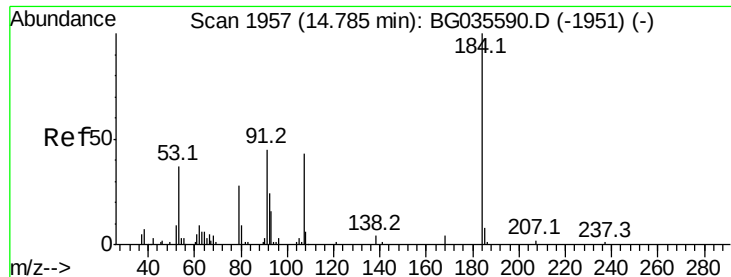
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	138	Resp:	48193
Ion Ratio	Lower	Upper	
138	100		
108	8.6	17.5	26.3#
92	138.0	105.8	158.8





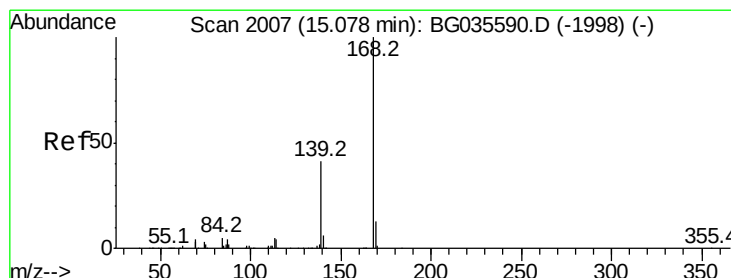
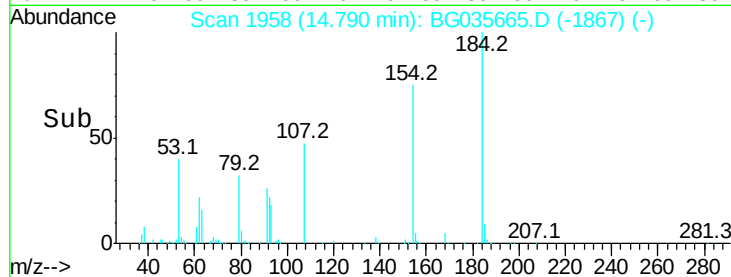
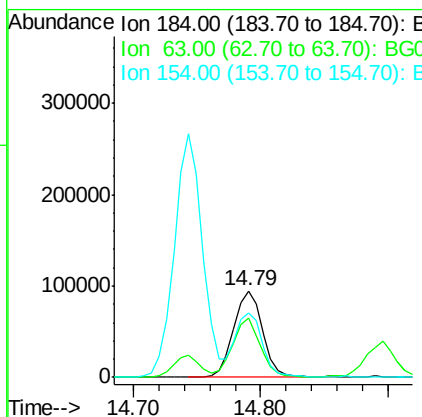
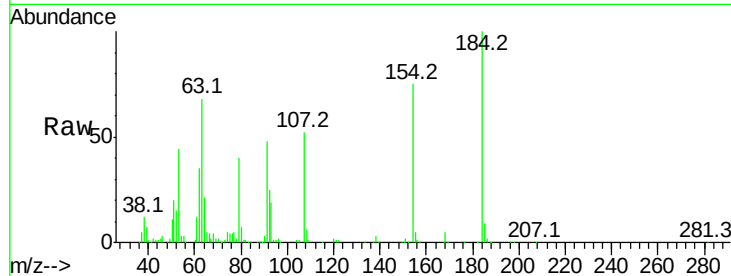
#53
2,4-Dinitrophenol
Concen: 109.957 ng
RT: 14.79 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	68.5	59.8	89.8
154	74.8	101.8	152.8

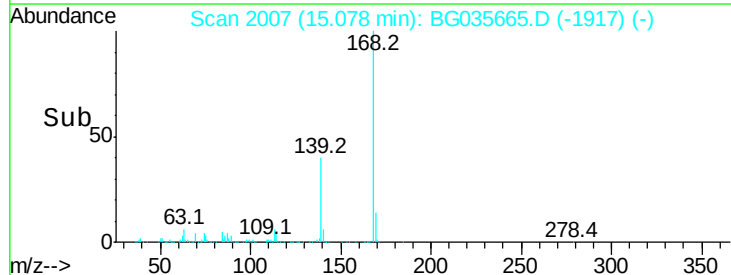
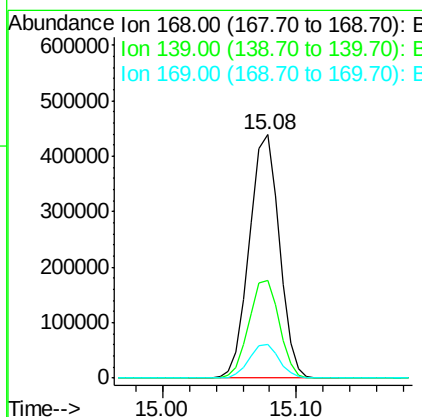
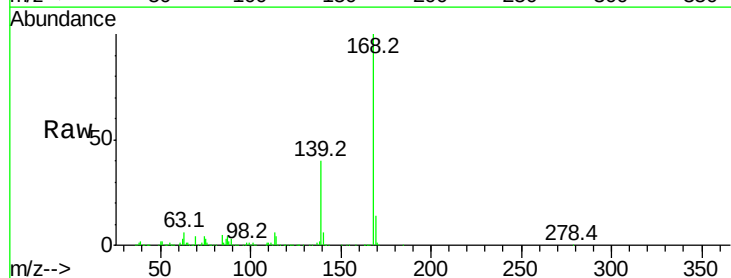
Manual Integrations
APPROVED

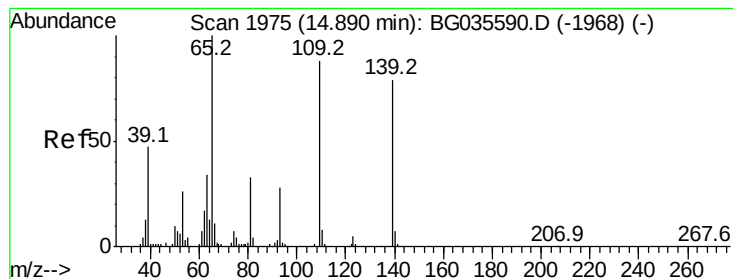
Sohil
7/17/2018 4:57:16 PM



#54
Dibenzofuran
Concen: 46.590 ng
RT: 15.08 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.1	28.6	43.0
169	13.7	11.2	16.8





#55

4-Nitrophenol

Concen: 92.143 ng

RT: 14.90 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

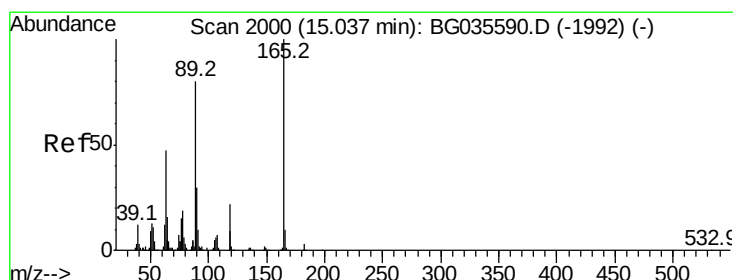
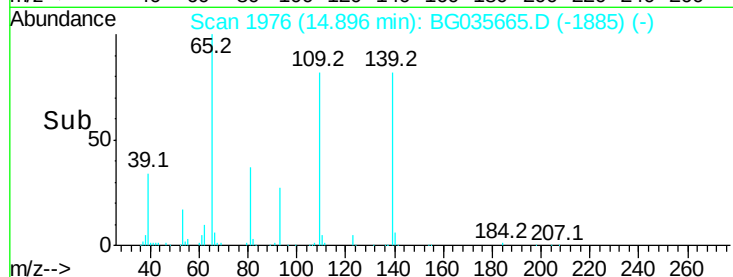
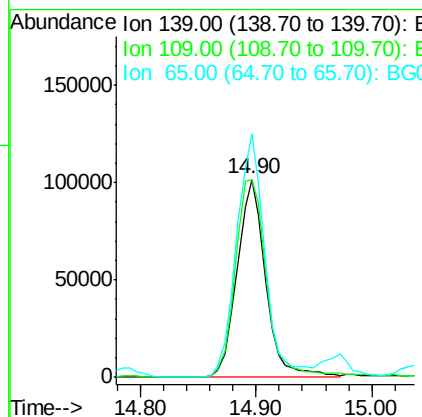
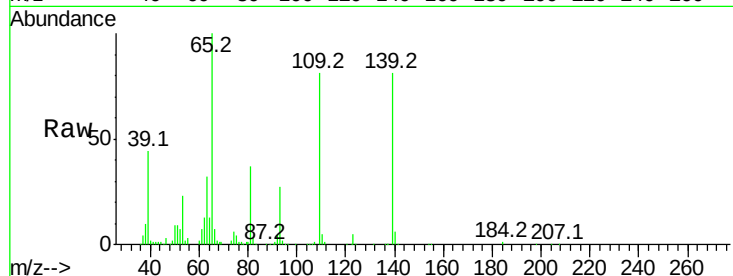
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	139	Resp:	173957
Ion Ratio	Lower	Upper	
139	100		
109	100.0	62.2	102.2
65	123.2	97.2	137.2

Manual Integrations
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7/17/2018 4:57:16 PM



#56

2,4-Dinitrotoluene

Concen: 52.735 ng

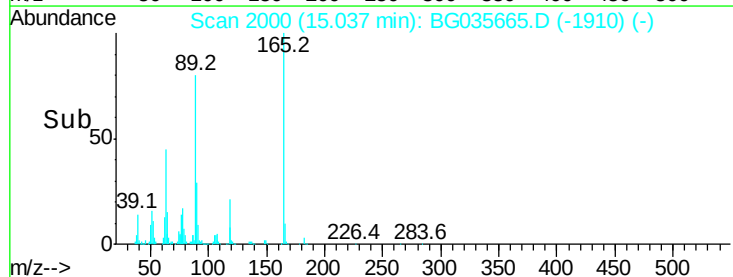
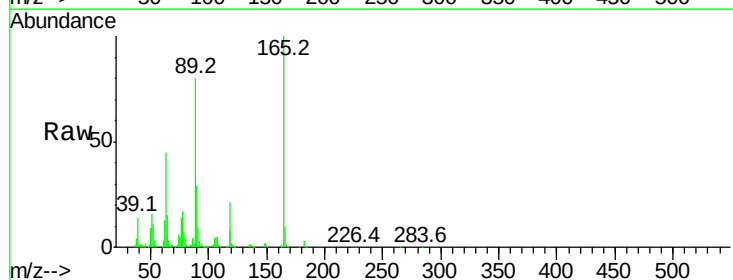
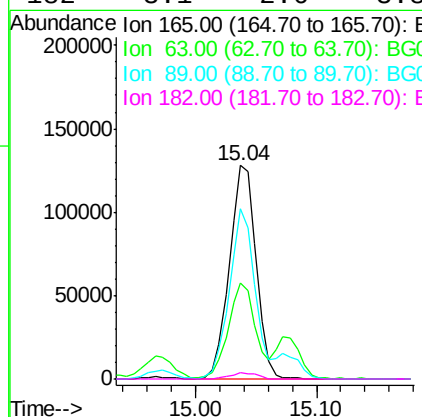
RT: 15.04 min Scan# 2000

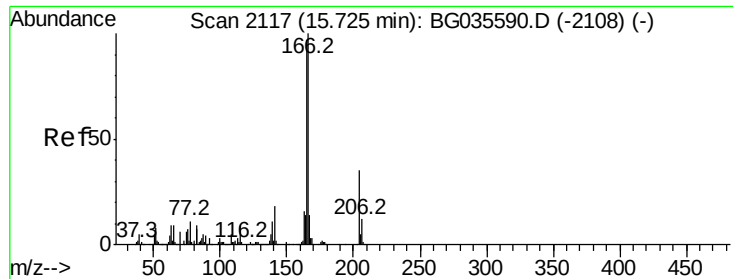
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	165	Resp:	196229
Ion Ratio	Lower	Upper	
165	100		
63	44.8	42.0	63.0
89	79.5	66.9	100.3
182	3.1	2.6	3.8





#57

Fluorene

Concen: 46.066 ng

RT: 15.72 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

ClientSampleId :

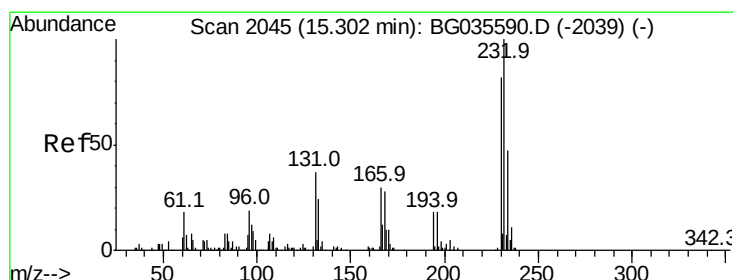
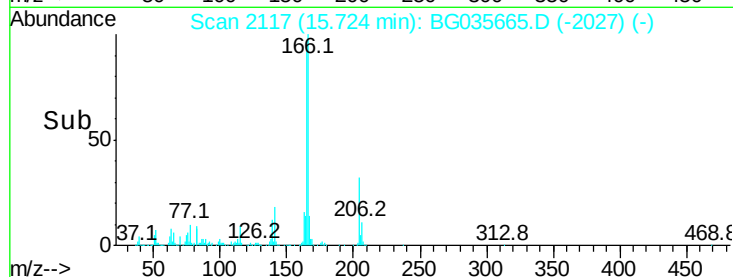
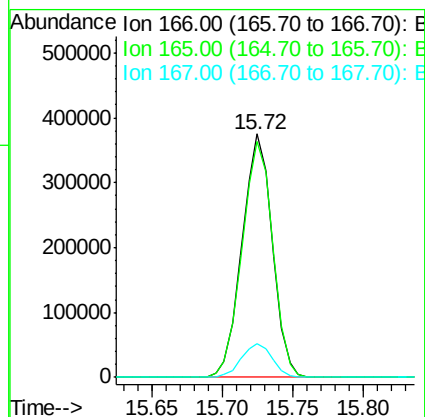
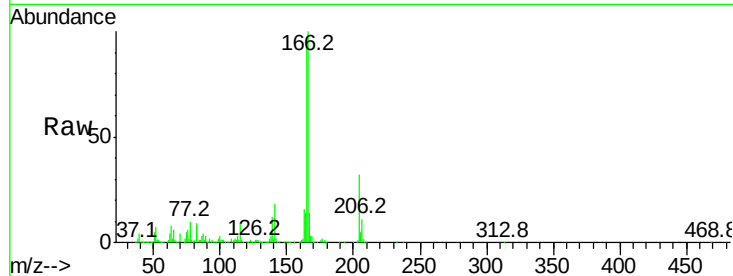
LS-SOIL-1MSD

Tot Ion:	166	Resp:	561736
Ion Ratio	Lower	Upper	
166	100		
165	97.0	80.6	121.0
167	13.9	10.4	15.6

Manual Integrations
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Sohil

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#58

2,3,4,6-Tetrachlorophenol

Concen: 52.927 ng

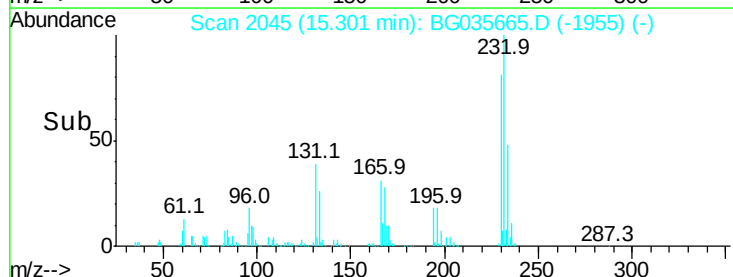
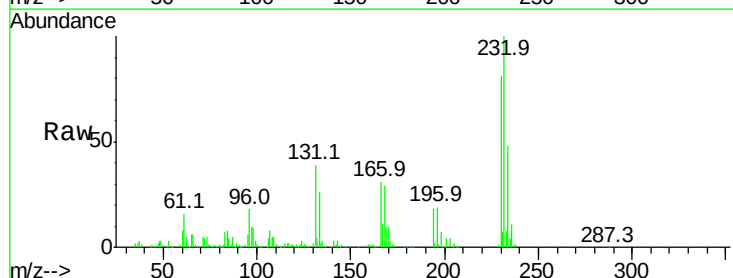
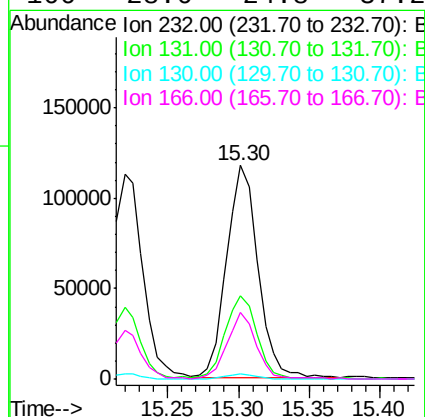
RT: 15.30 min Scan# 2045

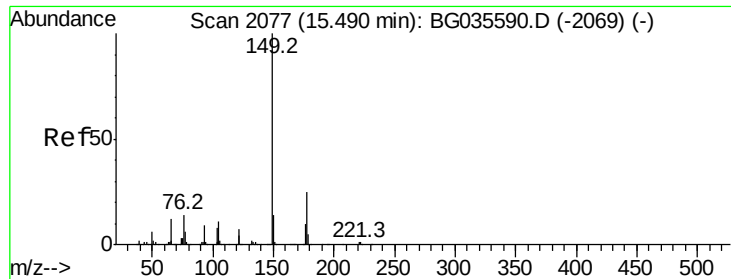
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	232	Resp:	182161
Ion Ratio	Lower	Upper	
232	100		
131	39.1	33.5	50.3
130	2.5	2.2	3.2
166	28.6	24.8	37.2





#59

Diethylphthalate

Concen: 44.925 ng

RT: 15.49 min Scan# 2077

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

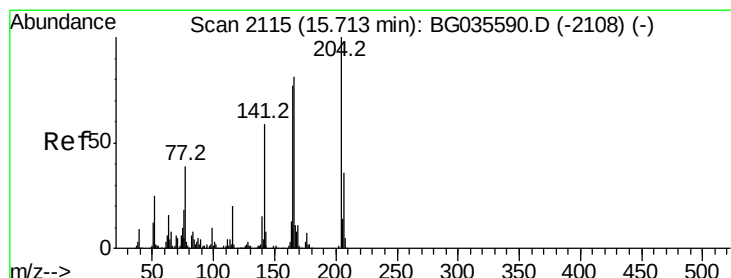
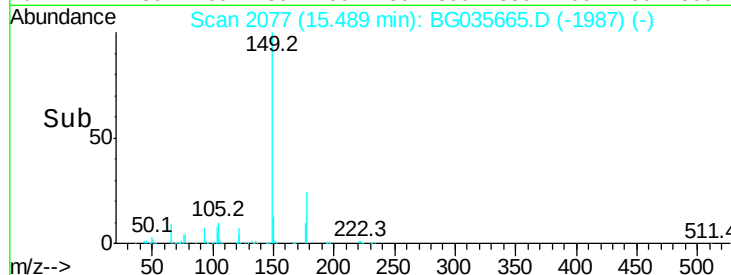
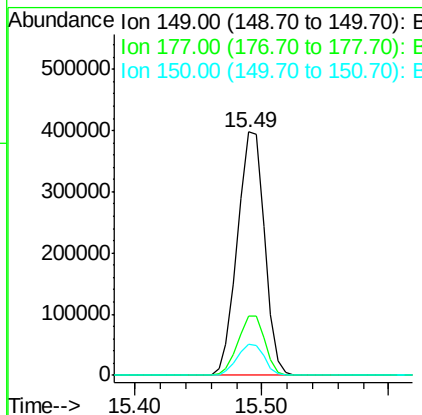
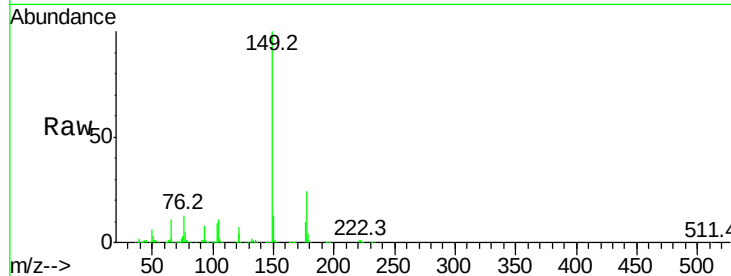
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	149	Resp:	588381
Ion Ratio	Lower	Upper	
149	100		
177	24.4	18.5	27.7
150	12.7	10.2	15.2

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#60

4-Chlorophenyl-phenylether

Concen: 45.571 ng

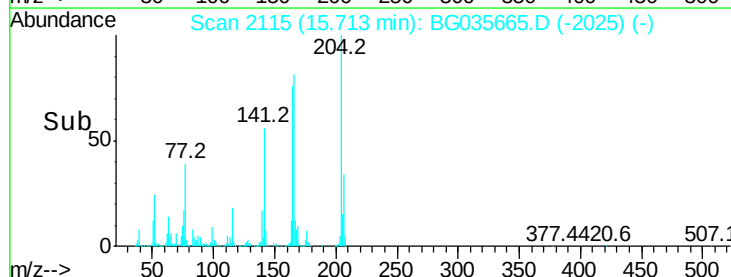
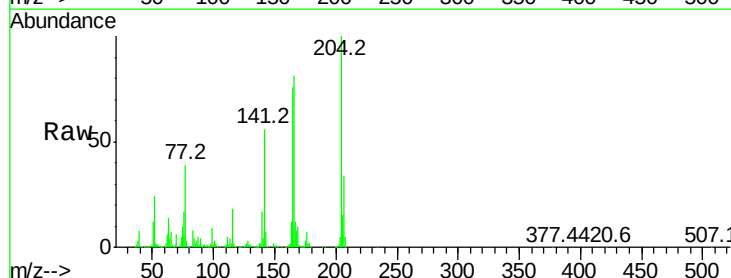
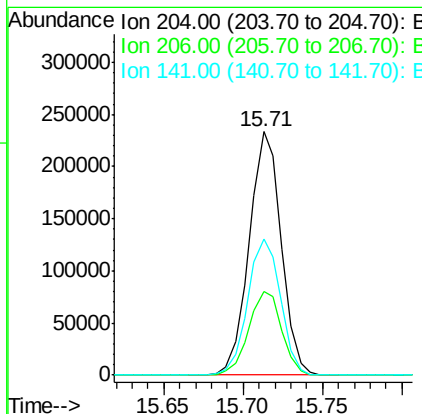
RT: 15.71 min Scan# 2115

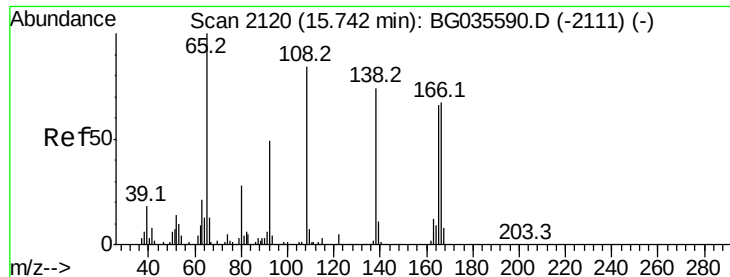
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	204	Resp:	326609
Ion Ratio	Lower	Upper	
204	100		
206	34.2	26.2	39.2
141	55.8	45.8	68.6





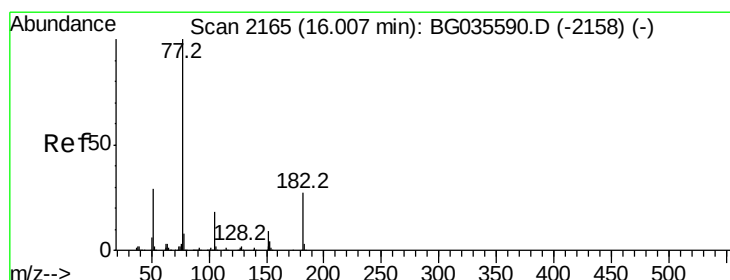
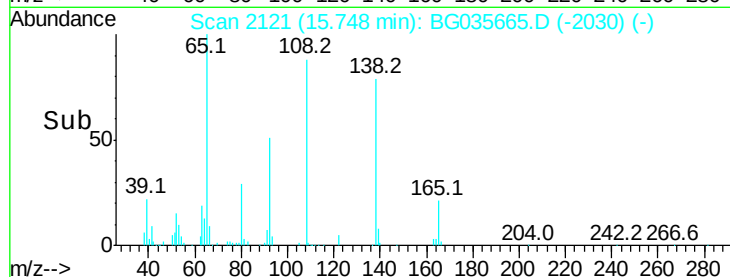
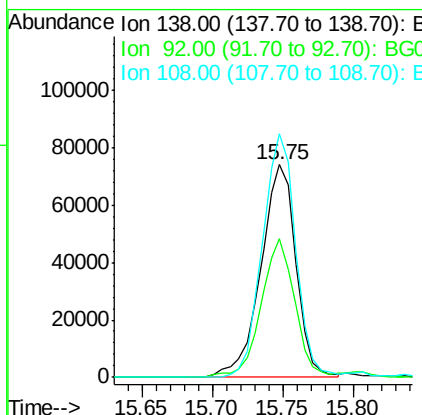
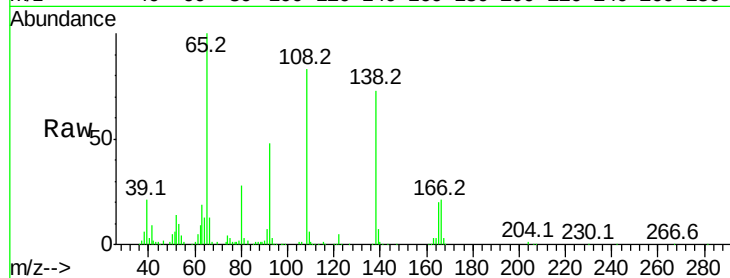
#61
4-Nitroaniline
Concen: 46.730 ng
RT: 15.75 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	65.3	40.1	80.1
108	114.4	65.4	105.4

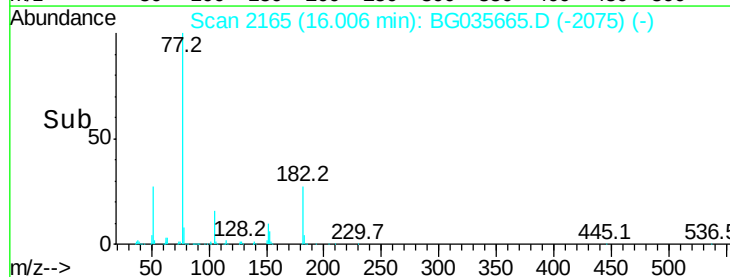
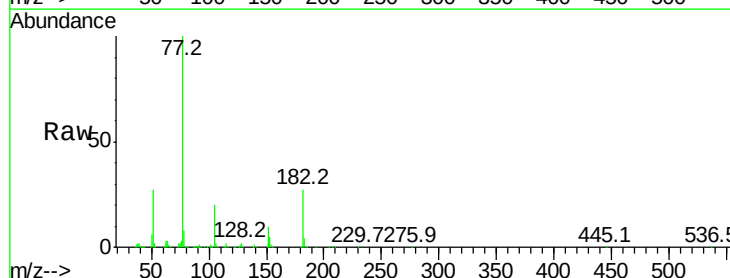
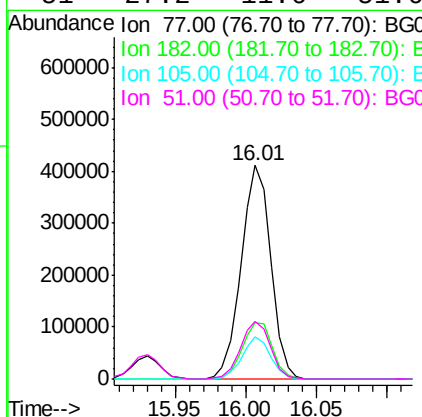
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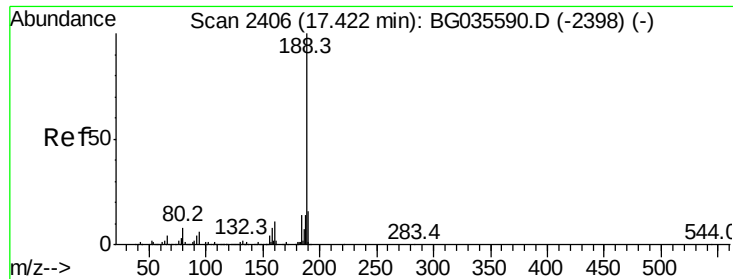
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#62
Azobenzene
Concen: 46.636 ng
RT: 16.01 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.4	47.4
105	20.0	0.3	40.3
51	27.2	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

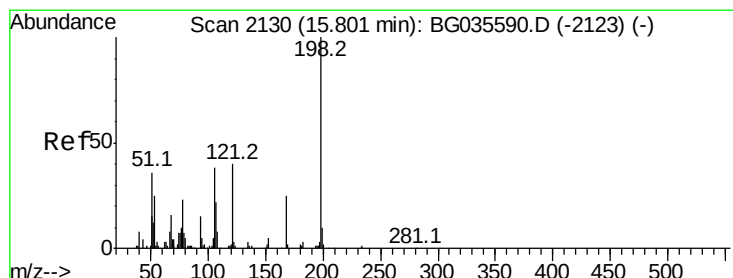
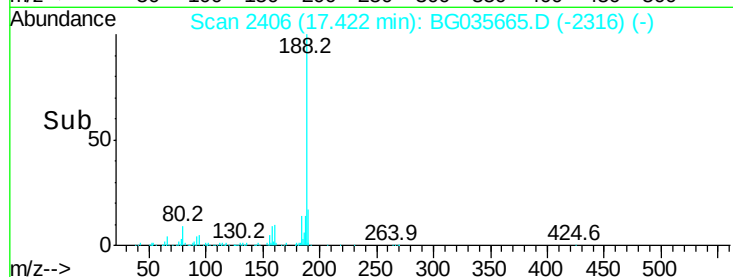
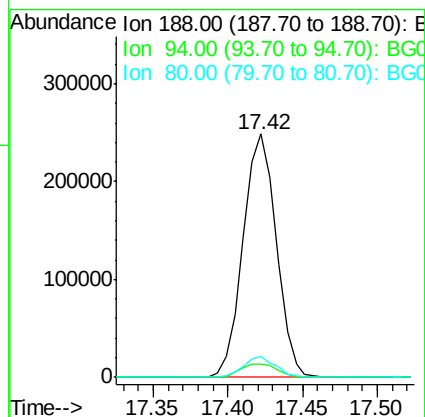
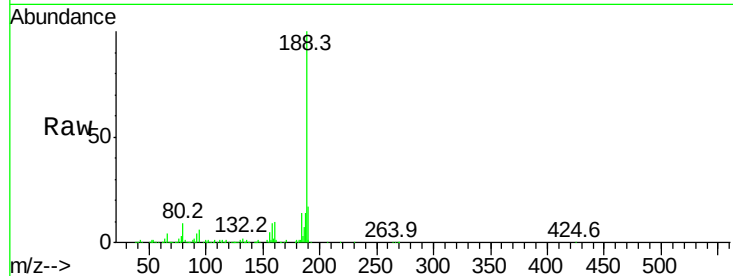
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	188	Resp:	382925
Ion Ratio	Lower	Upper	
188	100		
94	5.6	6.9	10.3#
80	8.5	7.7	11.5

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#64

4,6-Dinitro-2-methylphenol

Concen: 50.767 ng

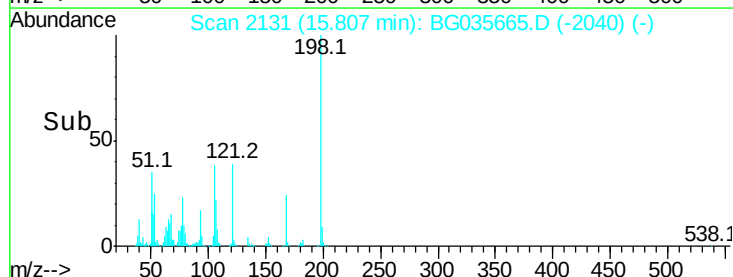
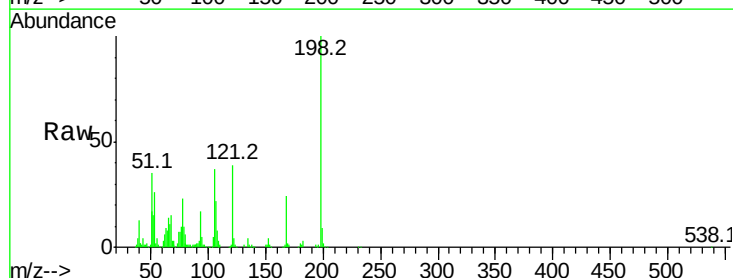
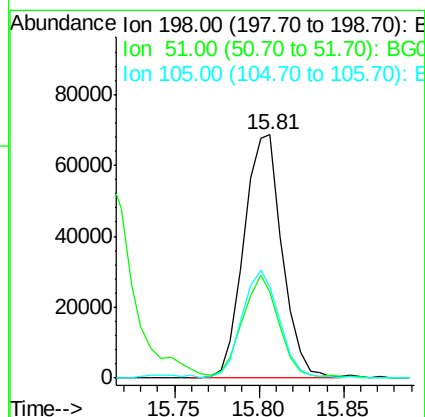
RT: 15.81 min Scan# 2131

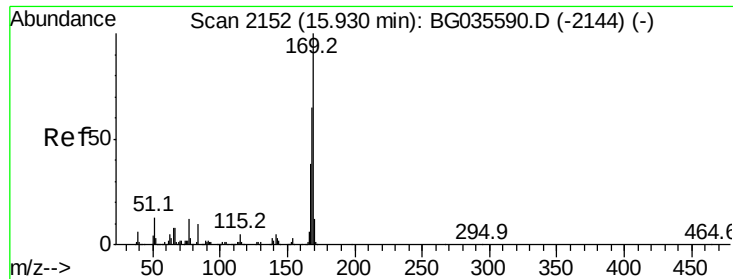
Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	198	Resp:	108216
Ion Ratio	Lower	Upper	
198	100		
51	35.2	30.6	70.6
105	37.4	23.8	63.8





#65

n-Nitrosodiphenylamine

Concen: 46.331 ng

RT: 15.93 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

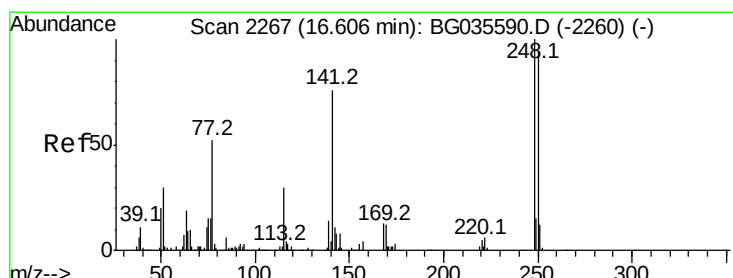
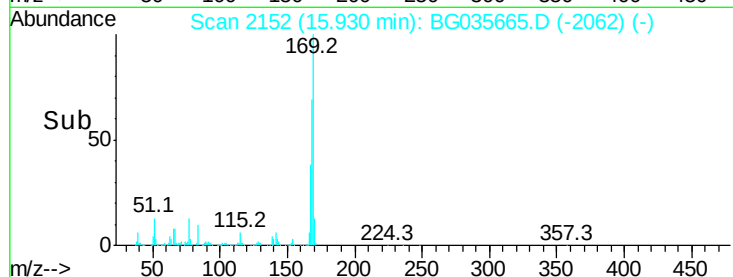
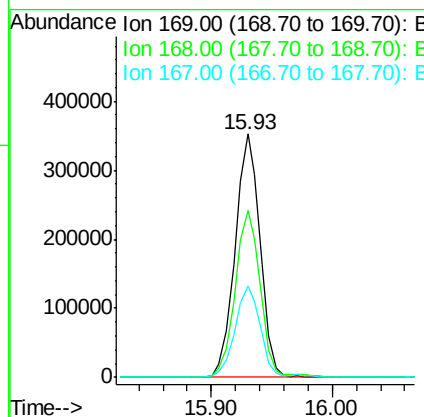
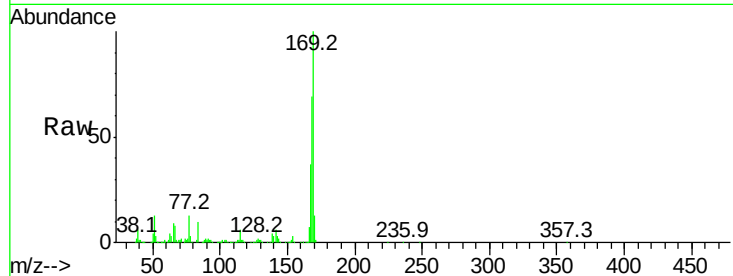
ClientSampleId :

LS-SOIL-1MSD

Tot Ion:	169	Resp:	504984
Ion Ratio	Lower	Upper	
169	100		
168	68.8	55.7	83.5
167	37.5	30.1	45.1

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#66

4-Bromophenyl-phenylether

Concen: 49.713 ng

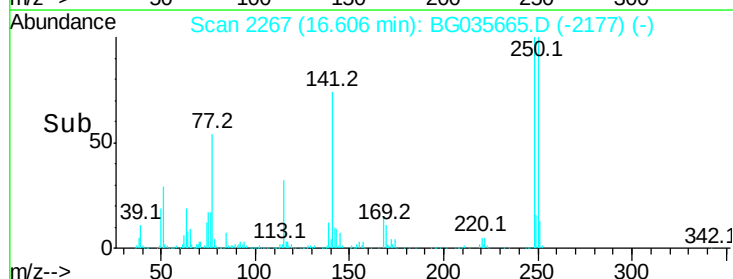
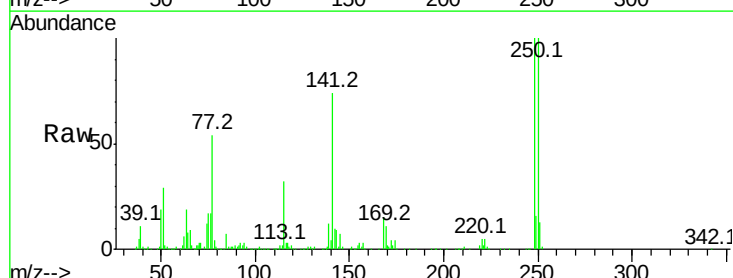
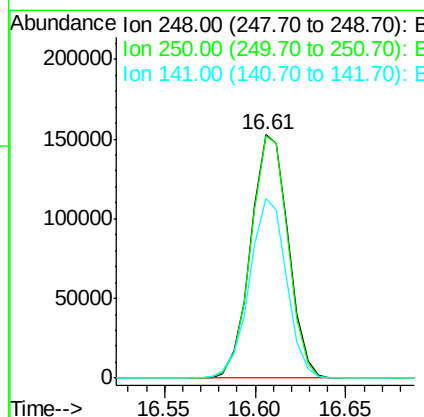
RT: 16.61 min Scan# 2267

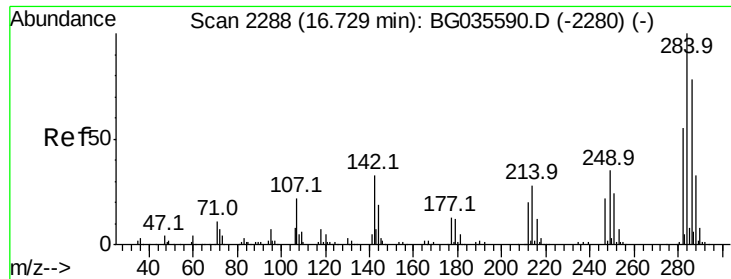
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	248	Resp:	220856
Ion Ratio	Lower	Upper	
248	100		
250	99.8	77.1	115.7
141	73.9	50.8	76.2





#67

Hexachlorobenzene

Concen: 49.089 ng

RT: 16.73 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

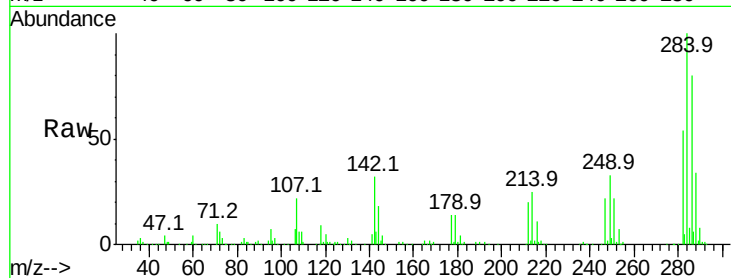
ClientSampleId :

LS-SOIL-1MSD

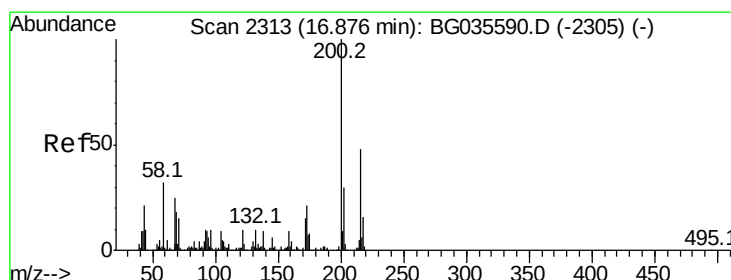
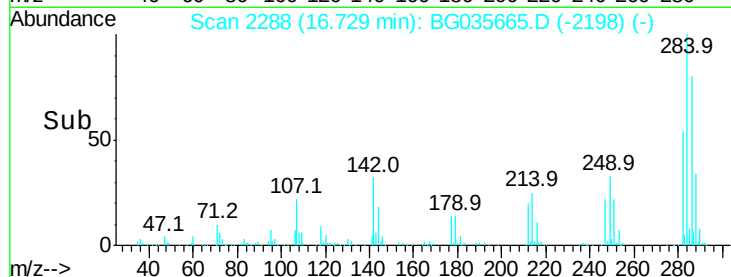
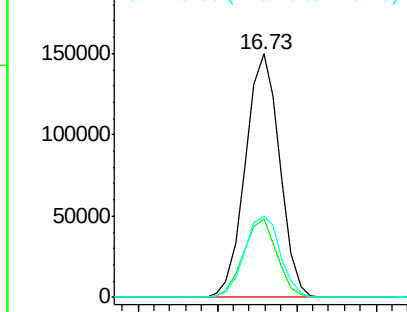
Tot Ion:	284	Resp:	224582
Ion Ratio		Lower	Upper
284	100		
142	32.2	26.8	40.2
249	33.5	26.3	39.5

Manual Integrations
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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: 51.154 ng

RT: 16.88 min Scan# 2313

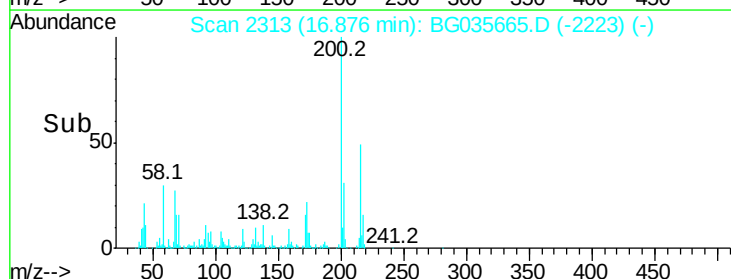
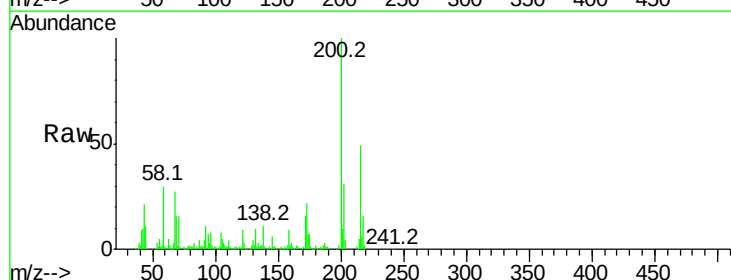
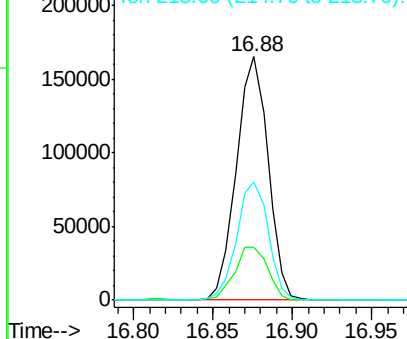
Delta R.T. -0.00 min

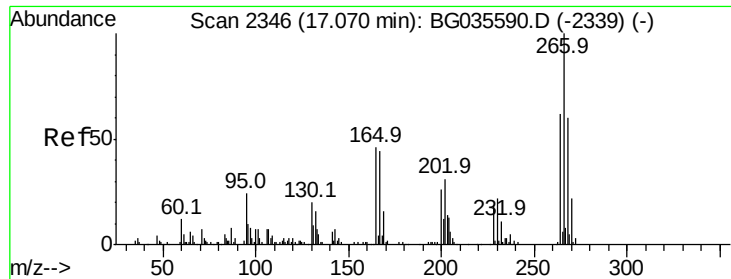
Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	200	Resp:	229560
Ion Ratio		Lower	Upper
200	100		
173	21.6	5.2	45.2
215	48.6	30.4	70.4

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





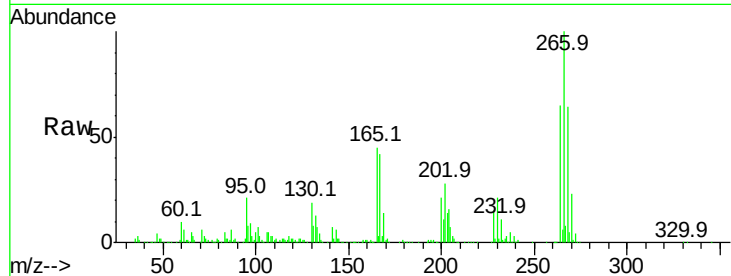
#69
 Pentachlorophenol
 Concen: 89.847 ng
 RT: 17.08 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	250369		
268	63.5		51.1	76.7
264	64.8		49.6	74.4

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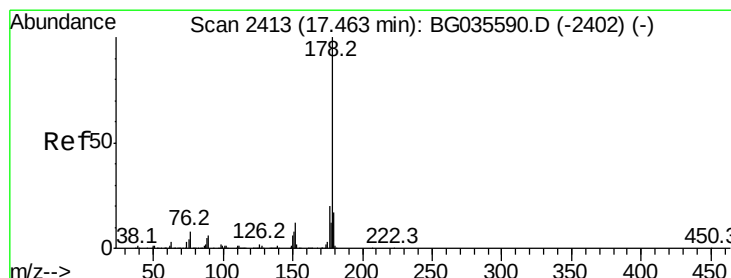
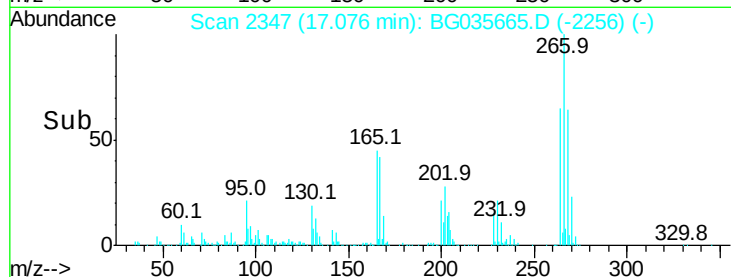
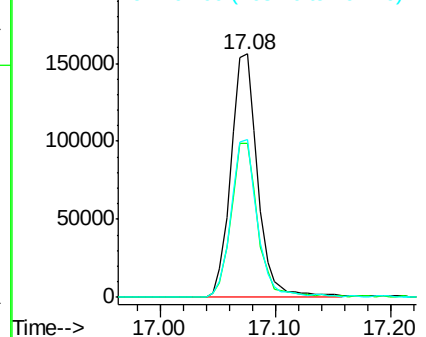


Abundance

Ion 265.70 (265.40 to 266.40): E

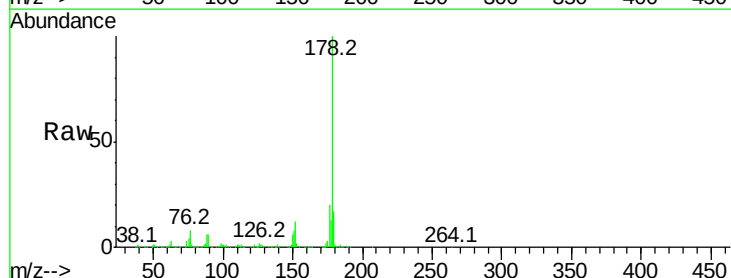
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 47.446 ng
 RT: 17.46 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	906568		
176	20.5		15.7	23.5
179	16.7		12.5	18.7

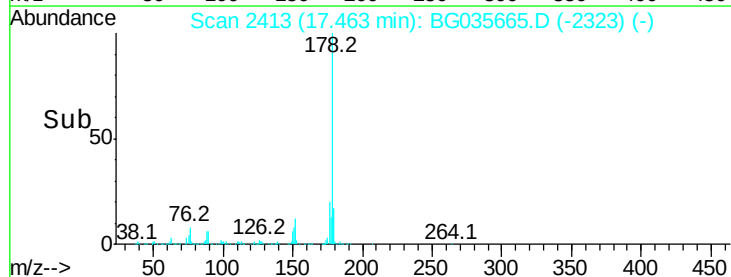
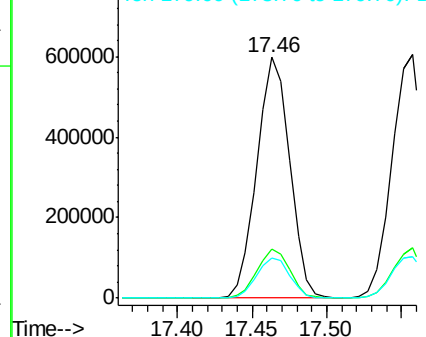


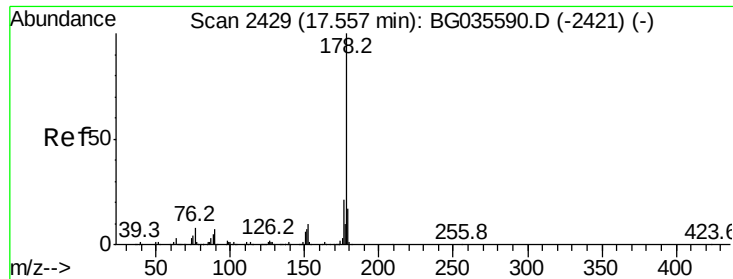
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





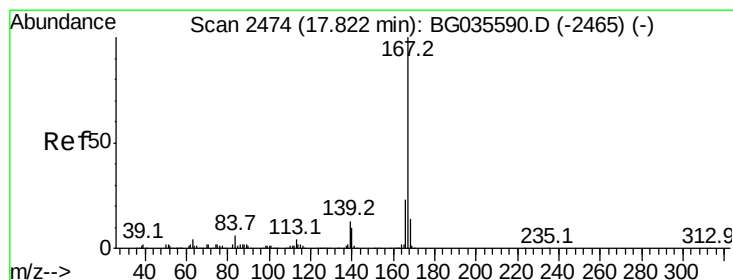
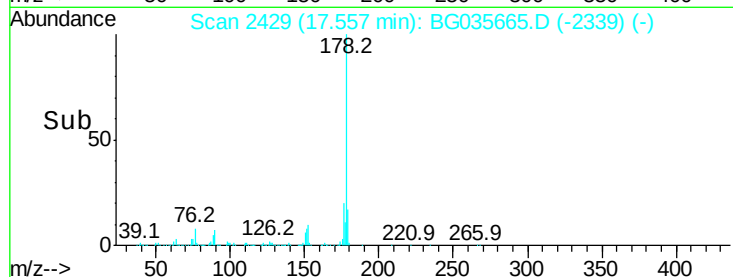
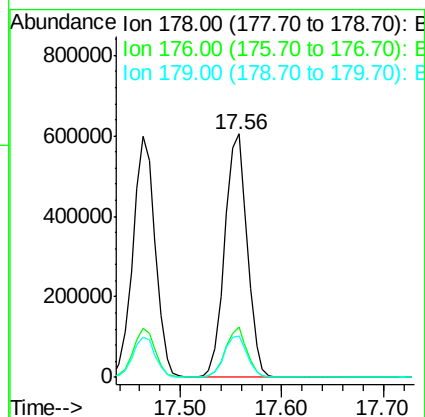
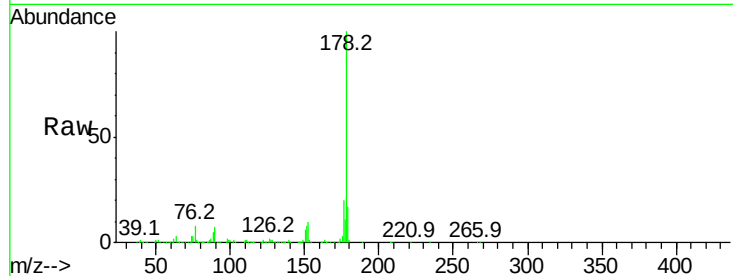
#71
 Anthracene
 Concen: 48.763 ng
 RT: 17.56 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	17.0	12.5	18.7

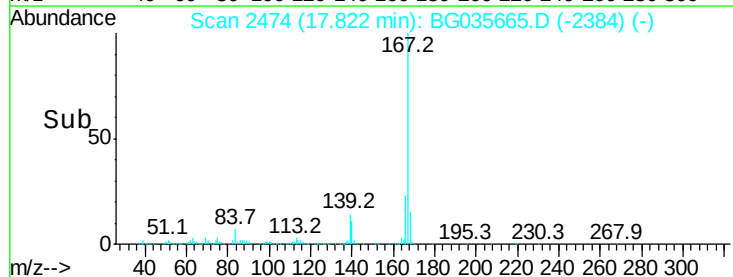
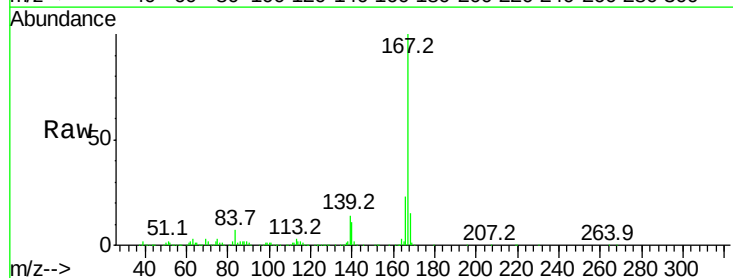
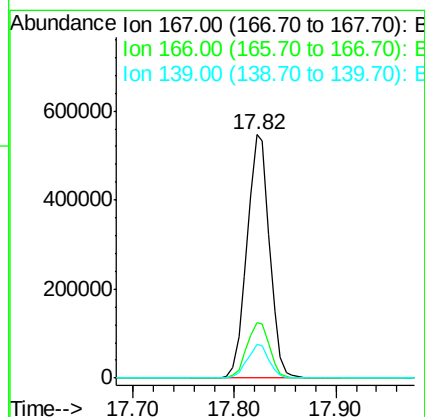
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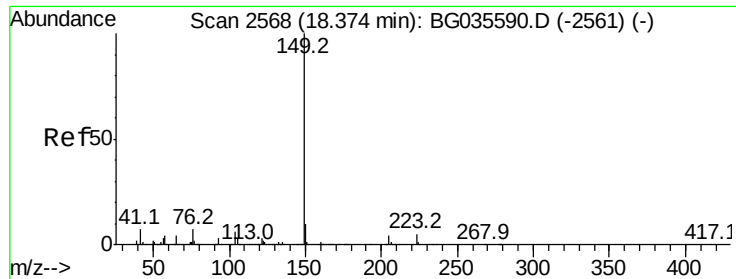
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#72
 Carbazole
 Concen: 46.700 ng
 RT: 17.82 min Scan# 2474
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	14.1	9.4	14.2





#73

Di-n-butylphthalate

Concen: 45.389 ng

RT: 18.37 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

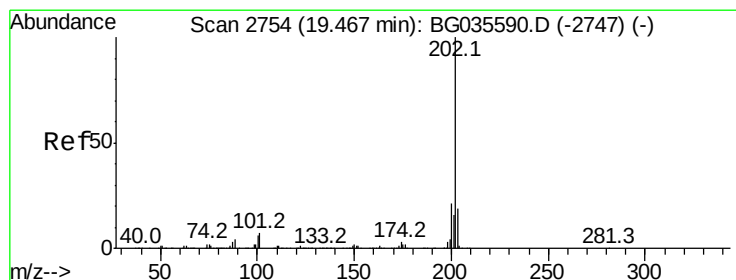
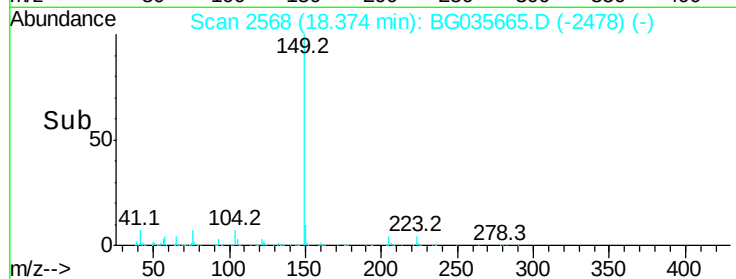
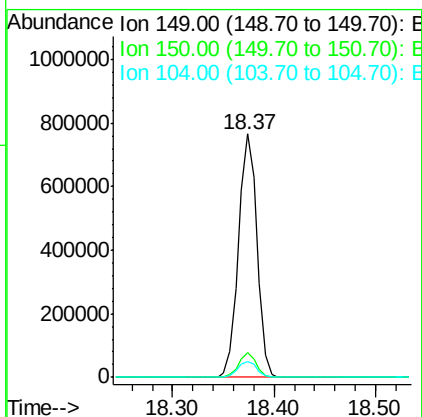
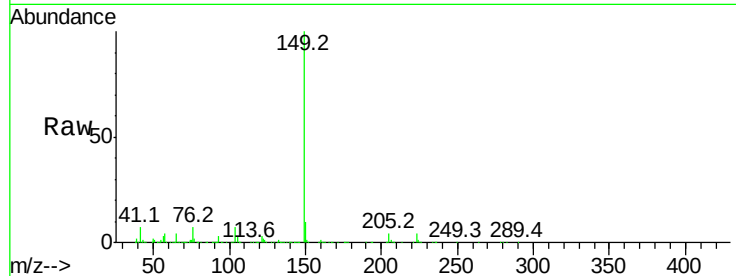
ClientSampled :

LS-SOIL-1MSD

Tot Ion:	149	Resp:	969126
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.8	11.6
104	6.6	3.9	5.9

Manual Integrations
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#74

Fluoranthene

Concen: 45.633 ng

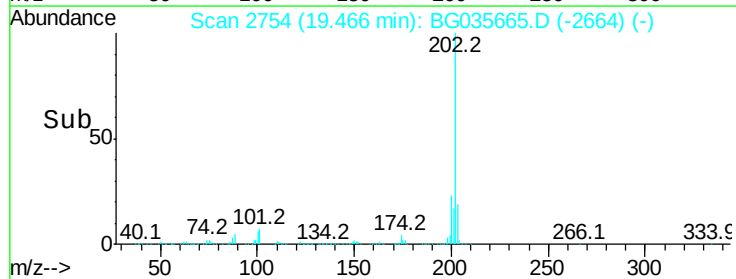
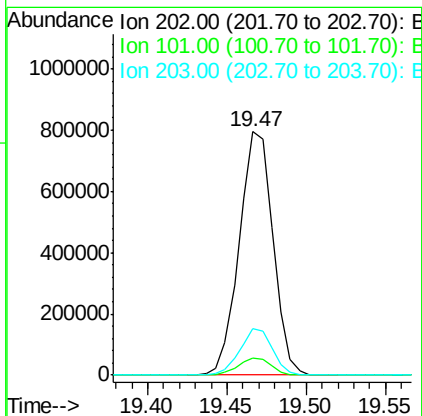
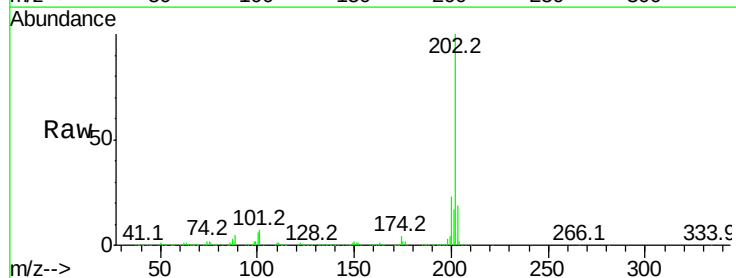
RT: 19.47 min Scan# 2754

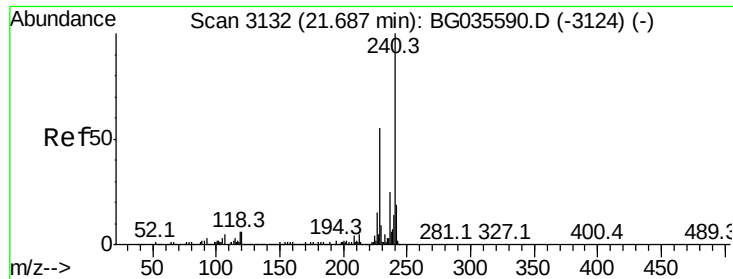
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion:	202	Resp:	1174467
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	28.9
203	18.9	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

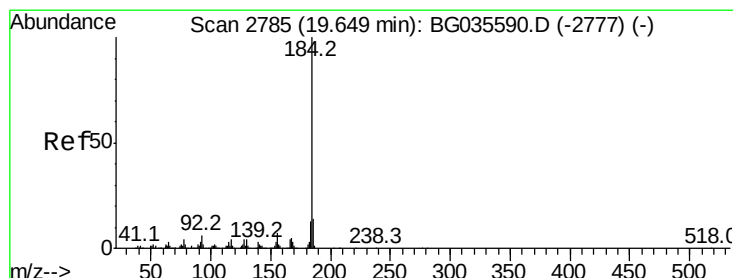
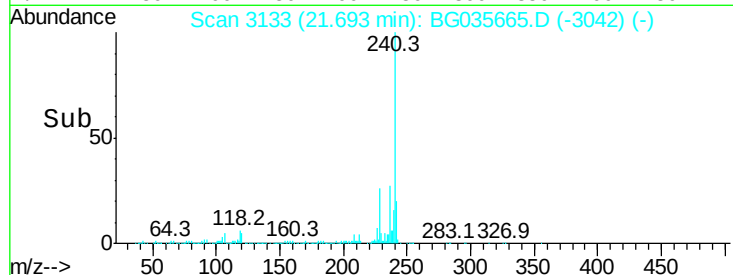
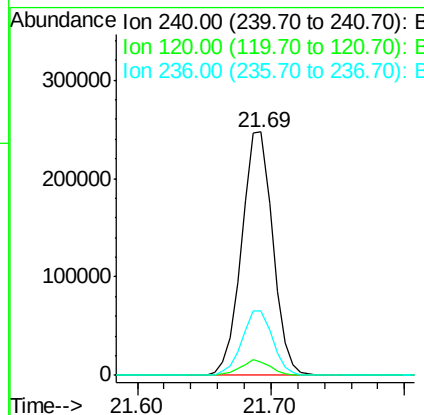
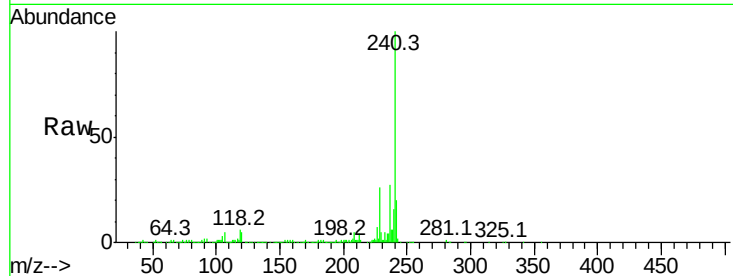
ClientSampleId :

LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	6.8	10.2#
236	26.6	20.9	31.3

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#76

Benzidine

Concen: 6.493 ng

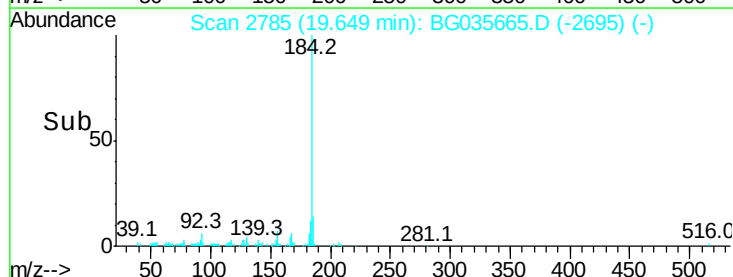
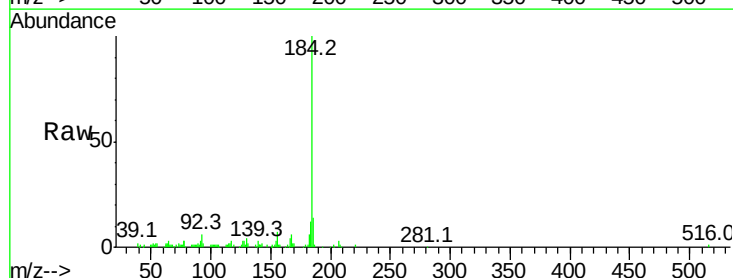
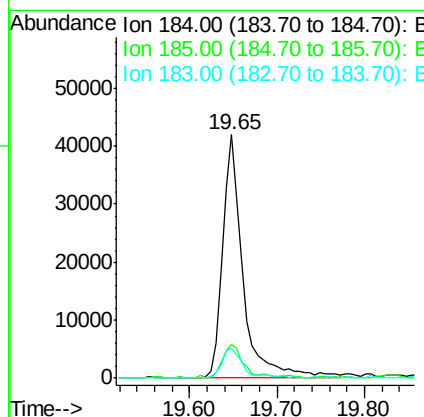
RT: 19.65 min Scan# 2785

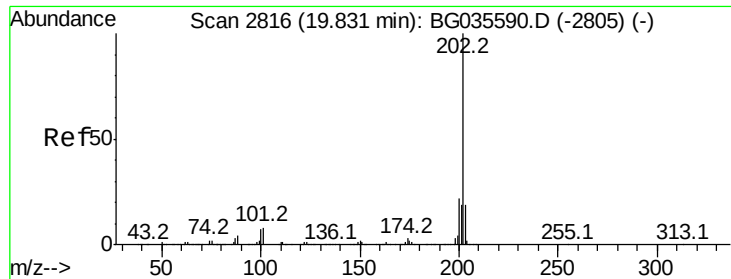
Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.1	16.7
183	12.2	10.6	16.0





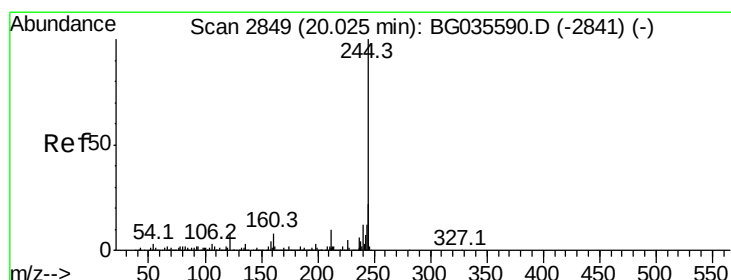
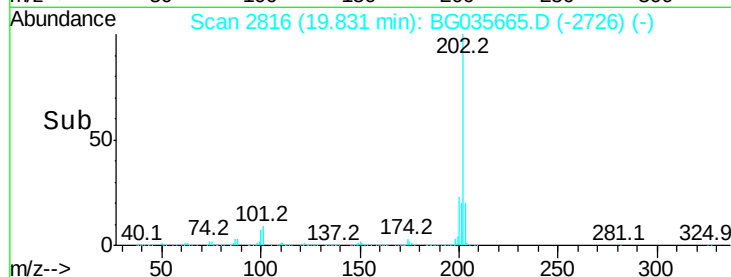
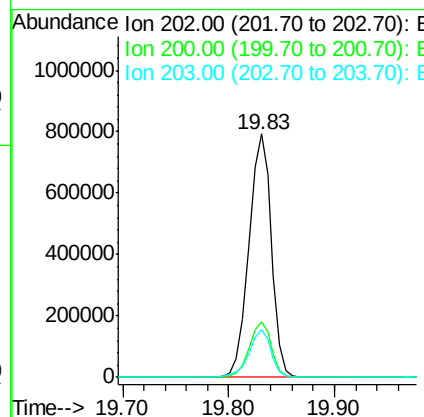
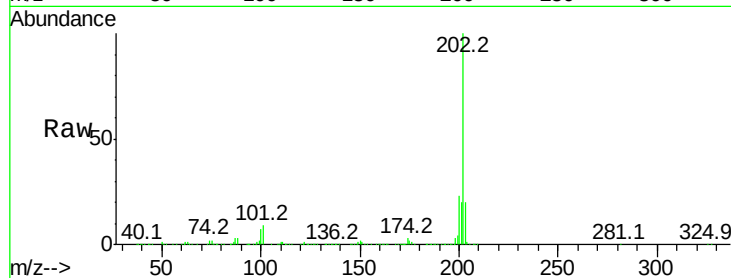
#77
Pvrene
Concen: 46.320 ng
RT: 19.83 min Scan# 2816
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	16.9	25.3
203	19.7	13.9	20.9

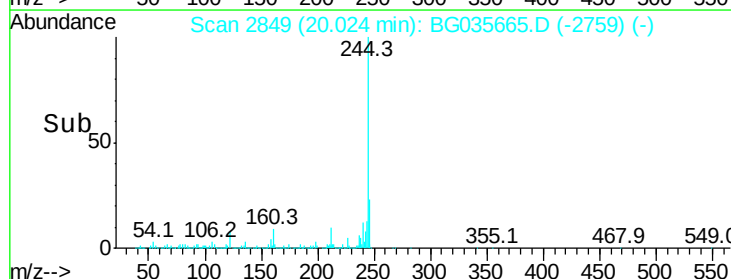
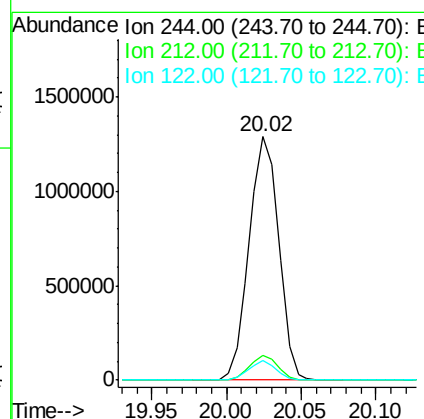
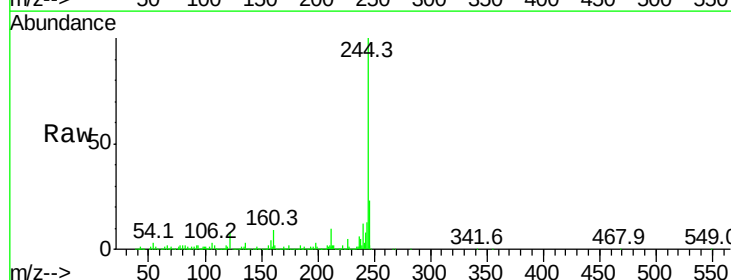
Manual Integrations
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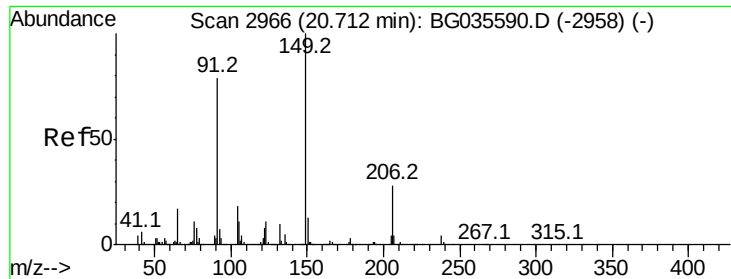
Sohil
7/17/2018 4:57:16 PM



#78
Terphenyl-d14
Concen: 97.660 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	5.8	8.8#
122	8.0	7.0	10.4





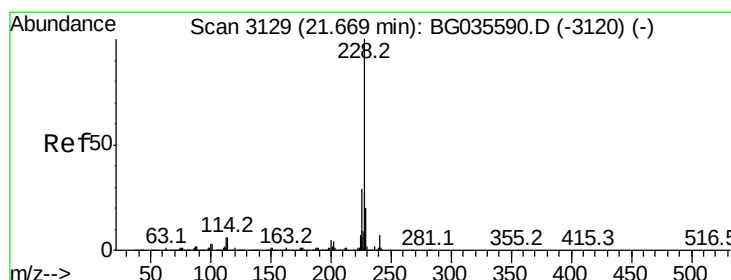
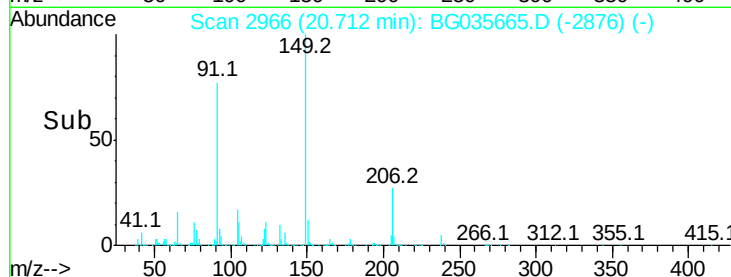
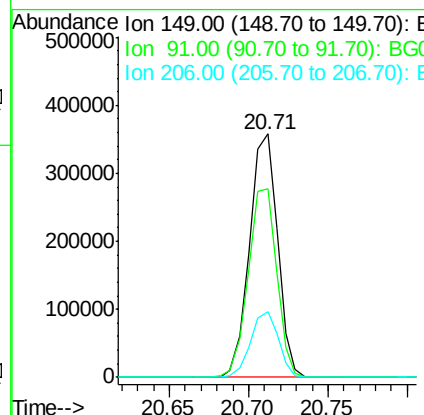
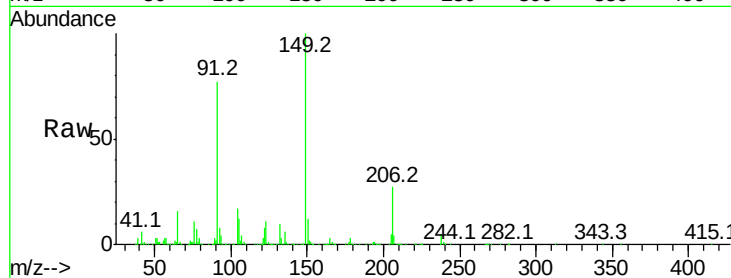
#79
 Butylbenzylphthalate
 Concen: 48.795 ng
 RT: 20.71 min Scan# 2966
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	77.4	62.2	93.2
206	26.9	18.6	27.8

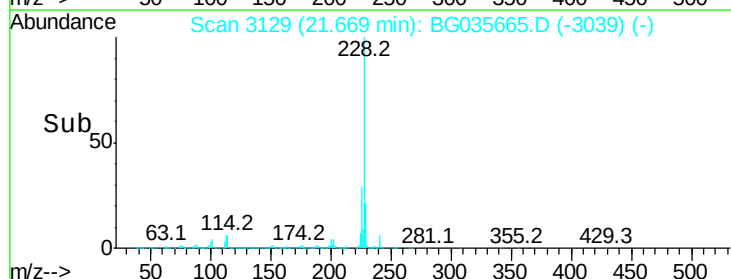
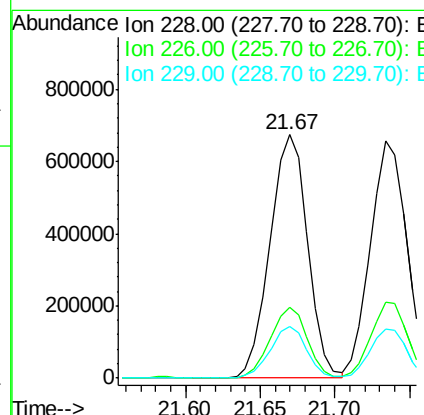
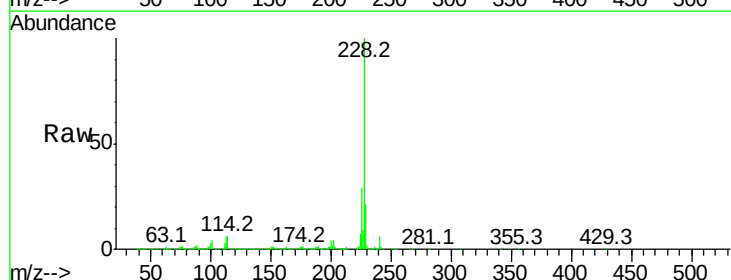
Manual Integrations
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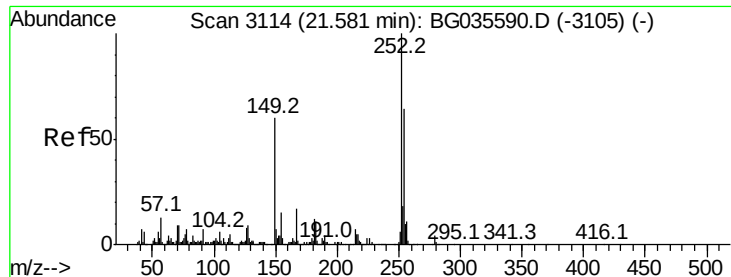
Sohil
 7/17/2018 4:57:16 PM



#80
 Benzo(a)anthracene
 Concen: 47.548 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.7	34.1
229	21.0	16.2	24.2





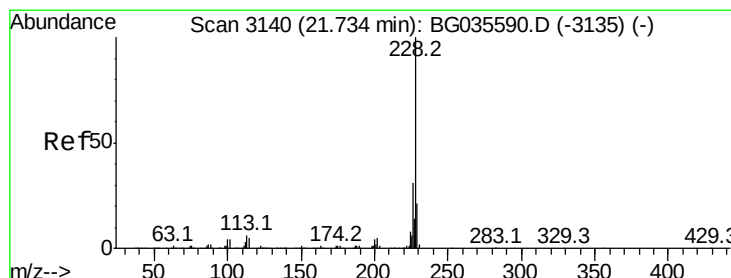
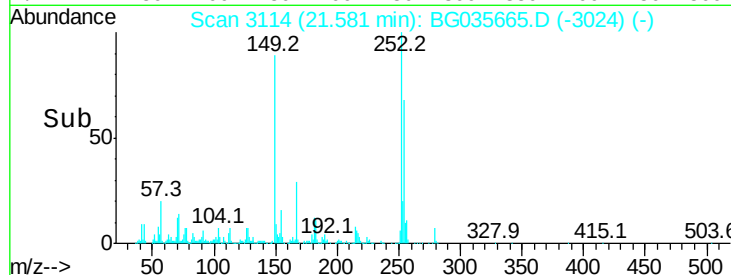
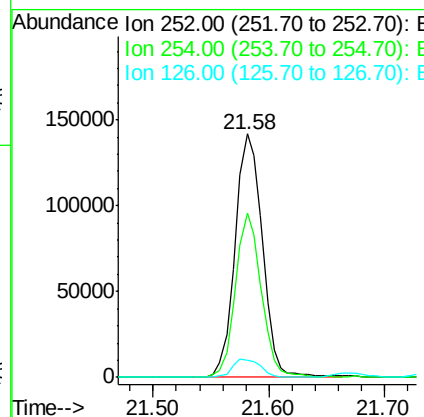
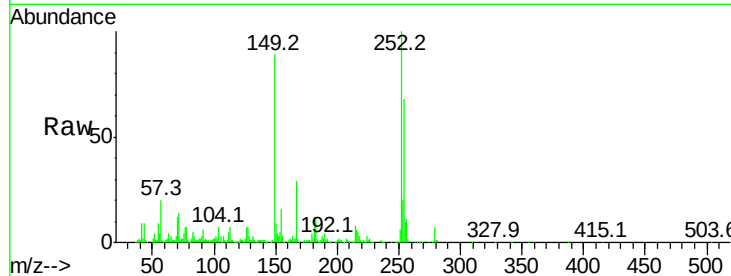
#81
 3,3'-Dichlorobenzidine
 Concen: 26.727 ng
 RT: 21.58 min Scan# 3114
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	67.6	50.8	76.2
126	7.2	7.4	11.2#

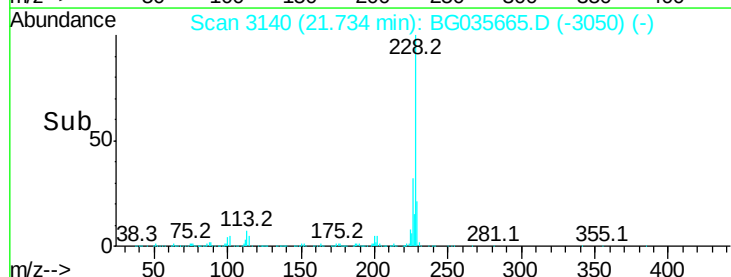
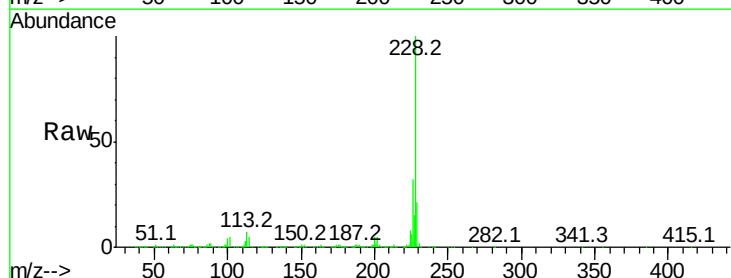
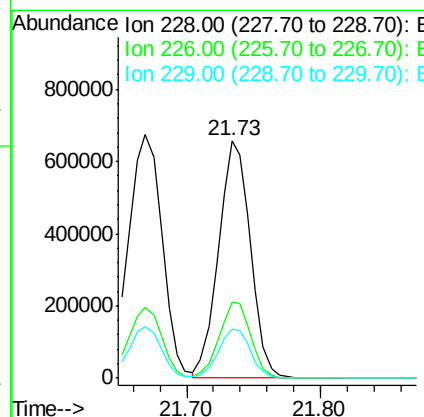
Manual Integrations
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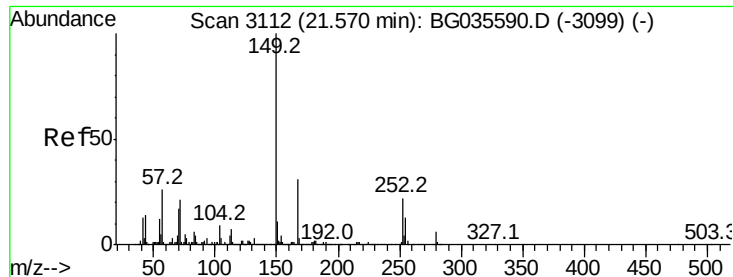
Sohil
 7/17/2018 4:57:16 PM



#82
 Chrysene
 Concen: 47.702 ng
 RT: 21.73 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	20.8	15.0	22.4





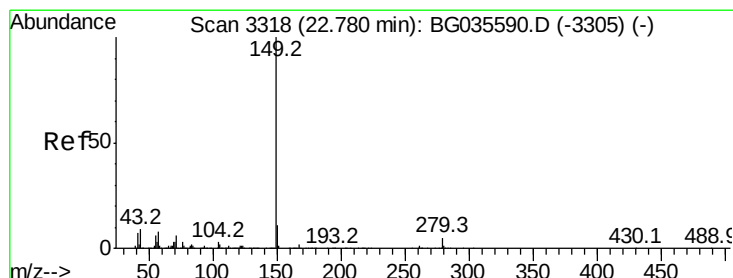
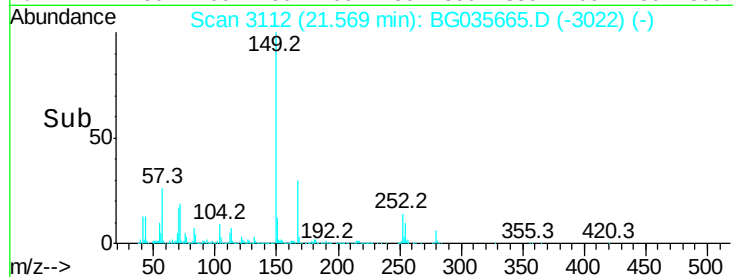
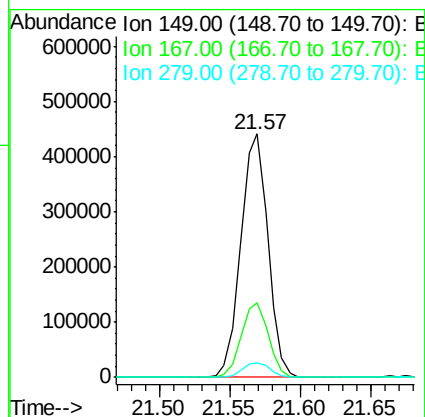
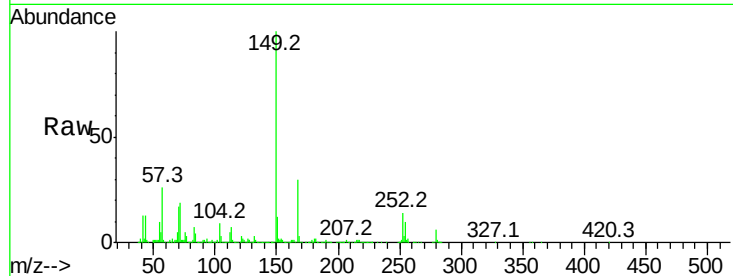
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.277 ng
 RT: 21.57 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.5	24.3	36.5
279	5.8	4.0	6.0

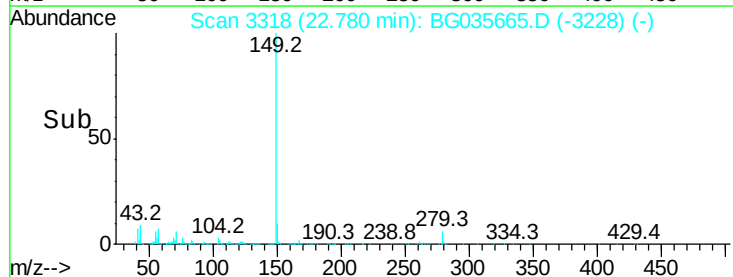
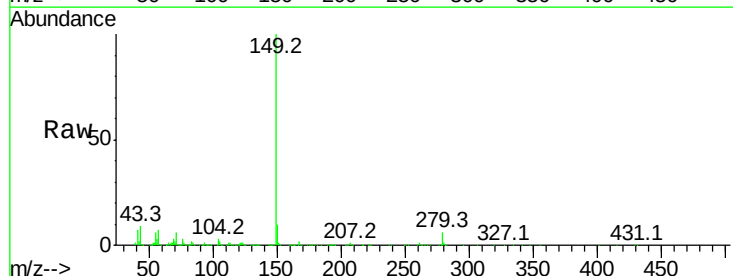
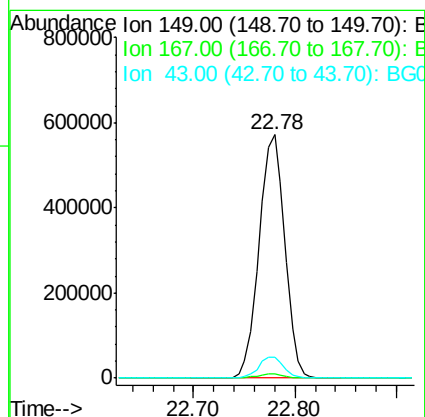
Manual Integrations
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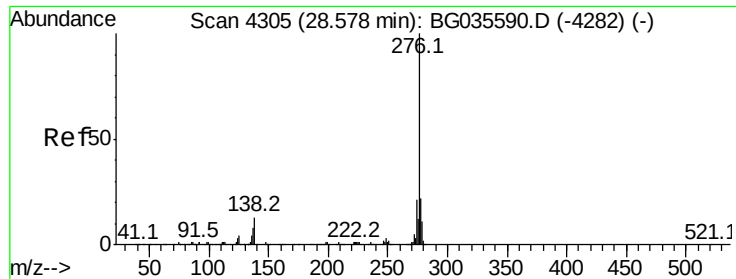
Sohil
 7/17/2018 4:57:16 PM



#84
 Di-n-octyl phthalate
 Concen: 49.008 ng
 RT: 22.78 min Scan# 3318
 Delta R.T. -0.00 min
 Lab File: BG035665.D
 Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.4	2.0
43	8.5	8.9	13.3#





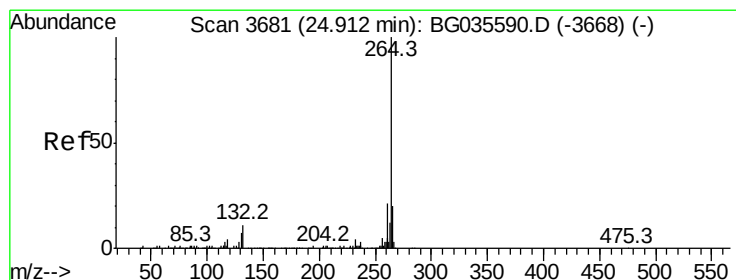
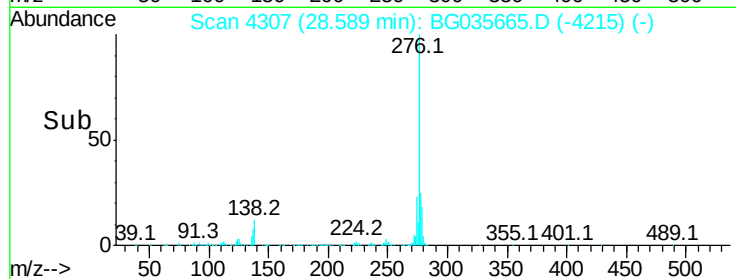
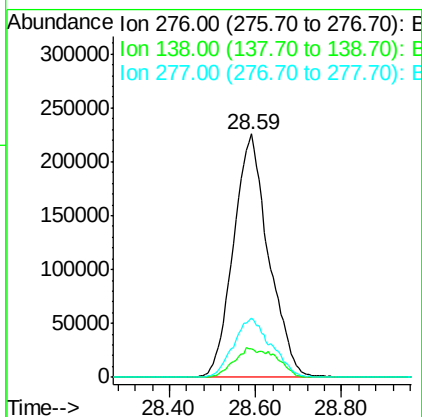
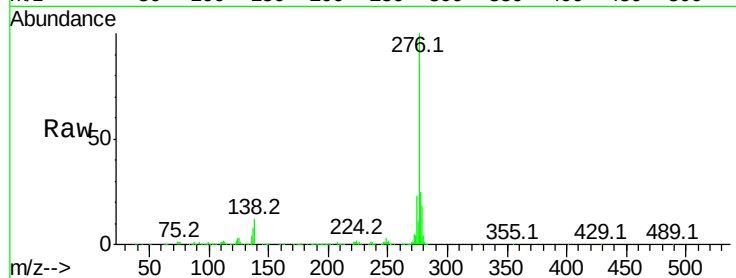
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.474 ng
RT: 28.59 min Scan# 4307
Delta R.T. 0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.6	16.0	24.0#
277	26.1	20.0	30.0

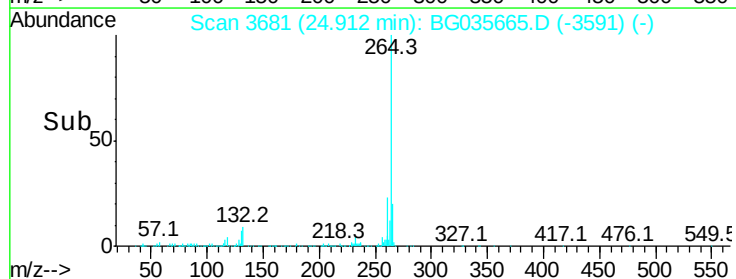
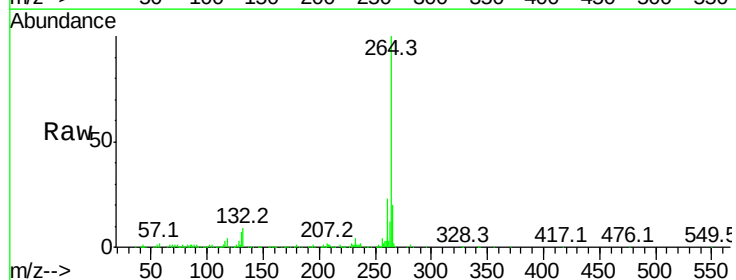
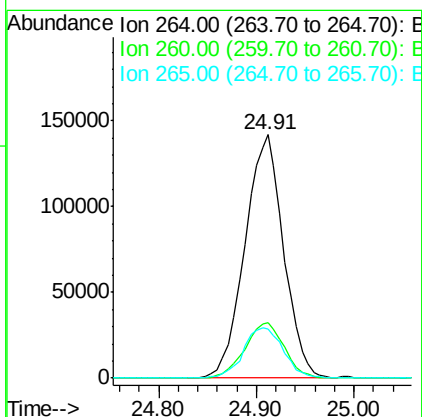
Manual Integrations
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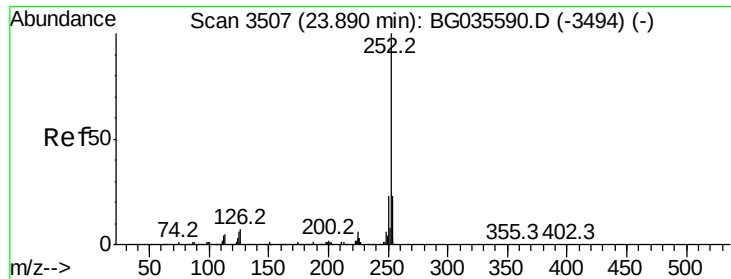
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3681
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	20.2	17.7	26.5





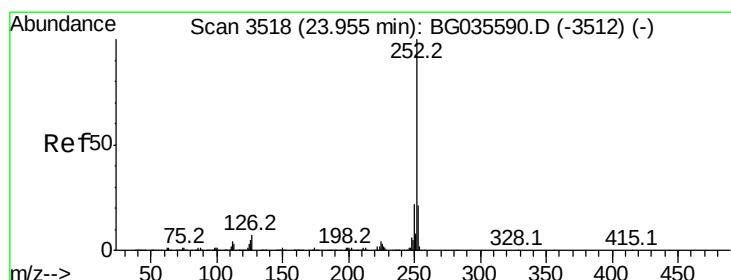
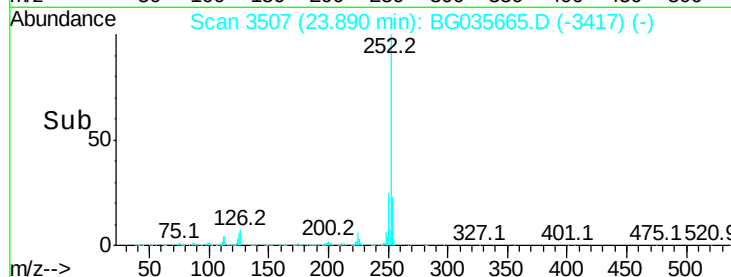
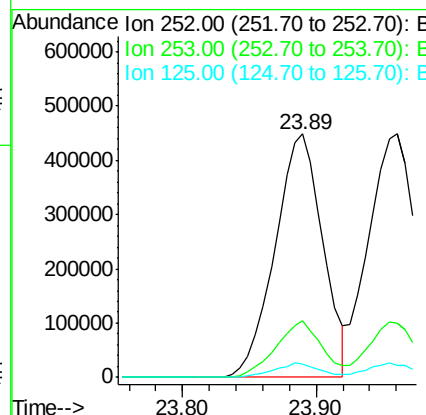
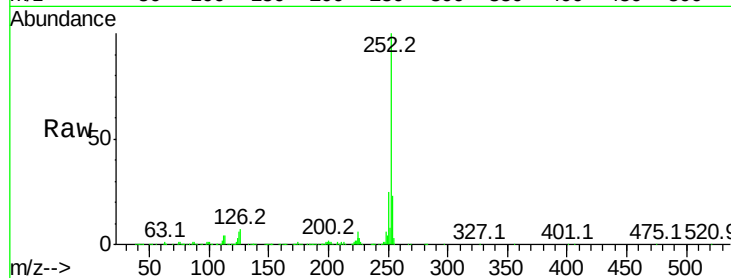
#87
Benzo(b)fluoranthene
Concen: 46.509 ng
RT: 23.89 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	5.7	7.2	10.8

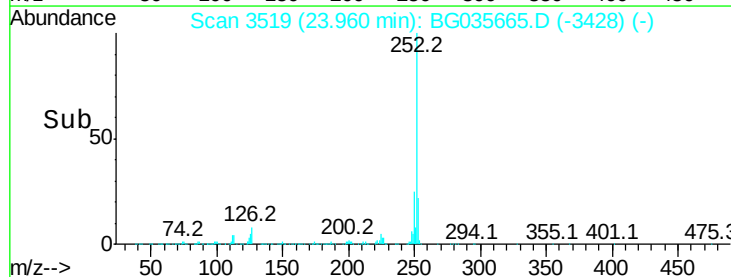
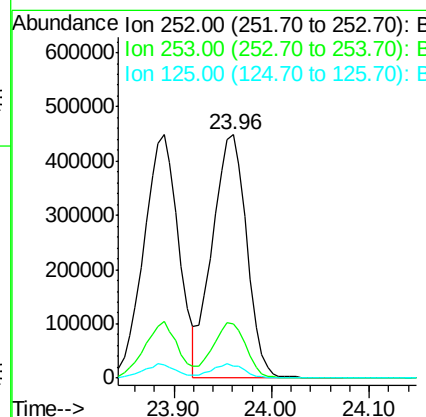
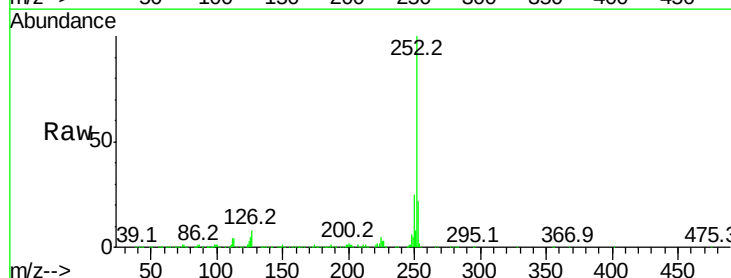
Manual Integrations
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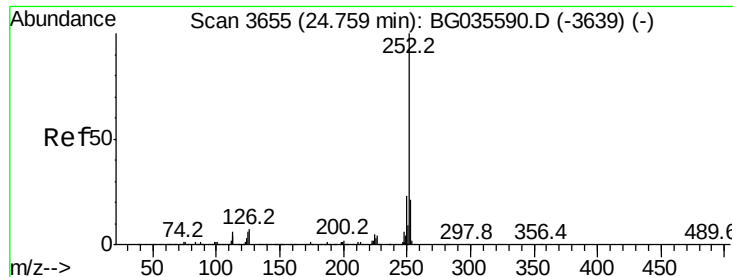
Sohil
7/17/2018 4:57:16 PM



#88
Benzo(k)fluoranthene
Concen: 46.754 ng
RT: 23.96 min Scan# 3519
Delta R.T. 0.01 min
Lab File: BG035665.D
Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	4.9	6.6	9.8





#89

Benzo(a)pyrene

Concen: 48.813 ng

RT: 24.76 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Instrument :

BNA_G

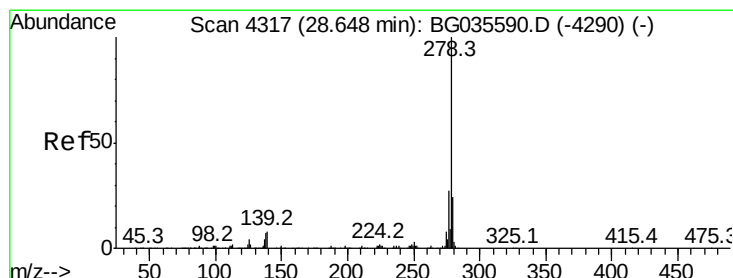
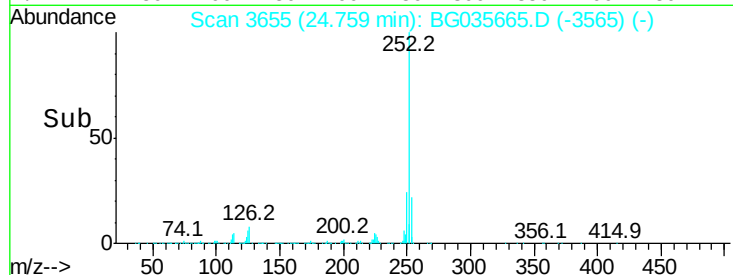
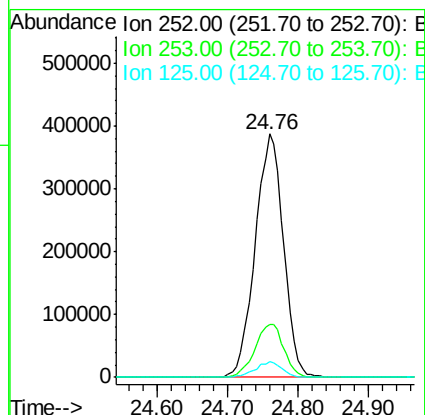
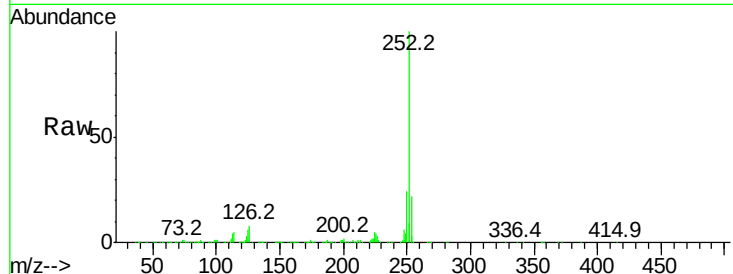
ClientSampled :

LS-SOIL-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.3	27.5
125	6.4	7.3	10.9#

Manual Integrations
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Sohil
7/17/2018 4:57:16 PM



#90

Dibenzo(a,h)anthracene

Concen: 48.526 ng

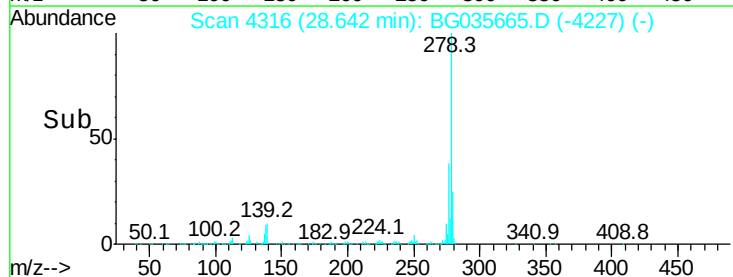
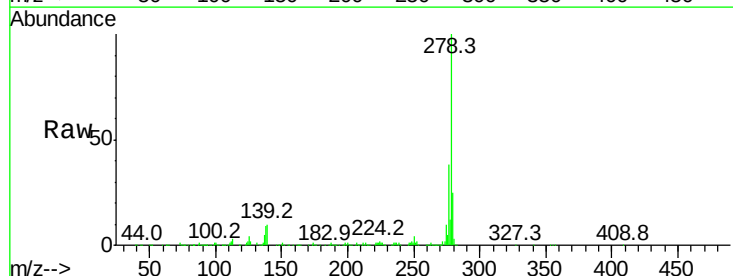
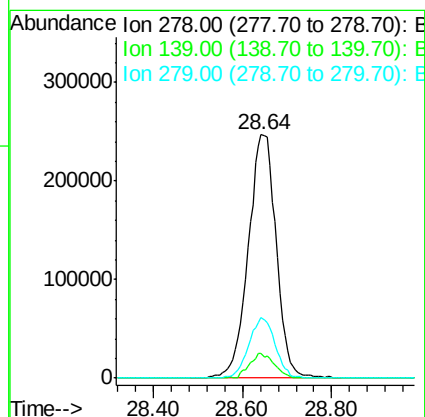
RT: 28.64 min Scan# 4316

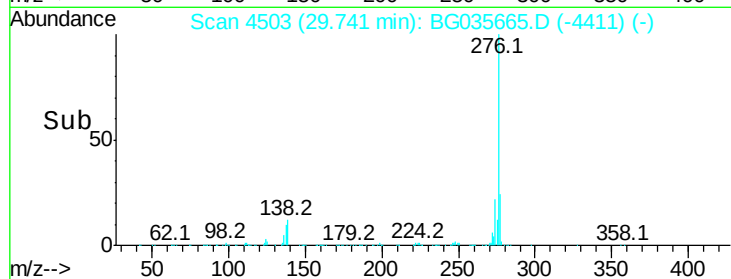
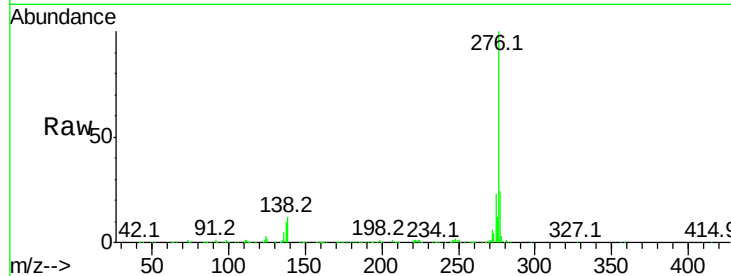
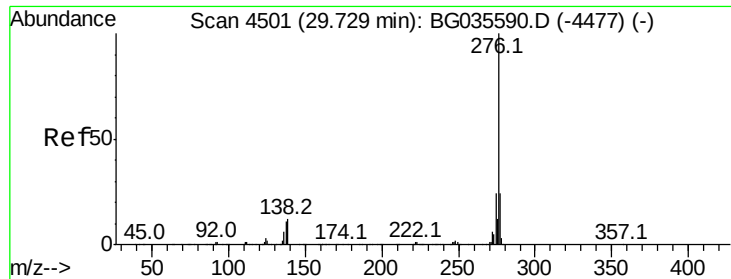
Delta R.T. -0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.0	9.8	14.6
279	24.9	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 49.623 ng

RT: 29.74 min Scan# 4503

Delta R.T. 0.01 min

Lab File: BG035665.D

Acq: 16 Jul 2018 12:04

Tot Ion: 276 Resp: 1058359

Ion Ratio Lower Upper

276 100

277 23.8 18.3 27.5

138 11.8 13.9 20.9#

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MSD

Manual Integrations
APPROVED

Sohil

7/17/2018 4:57:16 PM

