

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071618\
 Data File : BG035664.D
 Acq On : 16 Jul 2018 11:25
 Operator : JU/SJ
 Sample : J3542-04MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Manual Integrations
 APPROVED

Sohil
 7/17/2018 4:57:14 PM

Quant Time: Jul 16 13:07:41 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	54066	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	210541	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	148938	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	398694	20.00	ng	0.00
75) Chrysene-d12	21.69	240	415664	20.00	ng	0.00
86) Perylene-d12	24.91	264	408938	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	476422	146.30	ng	0.00
7) Phenol-d6	7.22	99	652519	134.30	ng	0.00
23) Nitrobenzene-d5	9.22	82	494822	98.18	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	328875	167.53	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1067332	96.01	ng	0.00
78) Terphenyl-d14	20.02	244	1808918	95.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	48579	29.309	ng	# 73
3) Pyridine	3.96	79	133448	30.841	ng	# 71
4) n-Nitrosodimethylamine	3.86	42	66233	35.649	ng	# 85
6) Aniline	7.39	93	95263	15.127	ng	98
8) 2-Chlorophenol	7.63	128	150225	45.357	ng	95
9) Benzaldehyde	7.20	77	28446	9.542	ng	93
10) Phenol	7.25	94	204788	41.719	ng	96
11) bis(2-Chloroethyl)ether	7.48	93	161040	41.891	ng	90
12) 1,3-Dichlorobenzene	7.95	146	160415m	40.107	ng	
13) 1,4-Dichlorobenzene	8.09	146	168342	41.425	ng	91
14) 1,2-Dichlorobenzene	8.42	146	161725	41.426	ng	97
15) Benzyl Alcohol	8.30	79	190207	43.110	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.59	45	188436	58.467	ng	78
17) 2-Methylphenol	8.50	107	147683	44.250	ng	# 90
18) Hexachloroethane	9.14	117	61726	39.726	ng	92
19) n-Nitroso-di-n-propylamine	8.86	70	157778	38.563	ng	# 84
20) 3+4-Methylphenols	8.83	107	210514	45.468	ng	90
22) Acetophenone	8.88	105	270973	41.387	ng	# 92
24) Nitrobenzene	9.26	77	228024	44.988	ng	93
25) Isophorone	9.78	82	441455	47.185	ng	99
26) 2-Nitrophenol	9.97	139	89414	49.671	ng	# 87
27) 2,4-Dimethylphenol	10.03	122	162513	53.333	ng	92
28) bis(2-Chloroethoxy)methane	10.26	93	229678	44.552	ng	97
29) 2,4-Dichlorophenol	10.51	162	177368	50.993	ng	95
30) 1,2,4-Trichlorobenzene	10.72	180	188384	44.168	ng	95
31) Naphthalene	10.91	128	496057	45.231	ng	98
32) Benzoic acid	10.18	122	82321	40.131	ng	94
34) Hexachlorobutadiene	11.19	225	144351	43.402	ng	96
35) Caprolactam	11.80	113	48779m	32.679	ng	
36) 4-Chloro-3-methylphenol	12.14	107	221876	47.589	ng	93
37) 2-Methylnaphthalene	12.51	142	375153	45.914	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.87	216	256019	45.543	ng	99
40) Hexachlorocyclopentadiene	12.86	237	326754	110.835	ng	92
42) 2,4,6-Trichlorophenol	13.12	196	169318	51.505	ng	98

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 7/17/2018 4:57:14 PM

Quant Time: Jul 16 13:07:41 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)
43) 2,4,5-Trichlorophenol	13.19	196	183817	49.982	nq	97
45) 1,1'-Biphenyl	13.51	154	525280	45.490	nq	96
46) 2-Chloronaphthalene	13.56	162	411362	45.800	nq	99
47) 2-Nitroaniline	13.76	65	147474	46.443	nq	96
48) Acenaphthylene	14.40	152	696520	46.294	nq	97
49) Dimethylphthalate	14.13	163	573671	43.962	nq	100
50) 2,6-Dinitrotoluene	14.26	165	134353	50.560	nq	94
51) Acenaphthene	14.74	154	411590	43.915	nq	99
52) 3-Nitroaniline	14.58	138	26271	9.673	nq #	88
53) 2,4-Dinitrophenol	14.79	184	149734	107.143	nq #	69
54) Dibenzofuran	15.08	168	670494	44.982	nq	92
55) 4-Nitrophenol	14.90	139	172509	89.189	nq #	84
56) 2,4-Dinitrotoluene	15.04	165	191972	50.357	nq	87
57) Fluorene	15.72	166	560479	44.863	nq	95
58) 2,3,4,6-Tetrachlorophenol	15.30	232	183923	52.160	nq	95
59) Diethylphthalate	15.49	149	584115	43.532	nq	98
60) 4-Chlorophenyl-phenylether	15.71	204	324352	44.173	nq	97
61) 4-Nitroaniline	15.75	138	117772	41.455	nq #	81
62) Azobenzene	16.01	77	606217	45.803	nq	96
64) 4,6-Dinitro-2-methylphenol	15.80	198	110750	49.901	nq	91
65) n-Nitrosodiphenylamine	15.93	169	503822	44.396	nq	97
66) 4-Bromophenyl-phenylether	16.61	248	216505	46.807	nq	91
67) Hexachlorobenzene	16.73	284	219310	46.040	nq	96
68) Atrazine	16.88	200	188141	40.266	nq	97
69) Pentachlorophenol	17.08	266	254435	87.695	nq	96
70) Phenanthrene	17.46	178	895670	45.022	nq	98
71) Anthracene	17.56	178	922032	46.546	nq	98
72) Carbazole	17.82	167	828796	44.056	nq	98
73) Di-n-butylphthalate	18.37	149	960448	43.203	nq #	98
74) Fluoranthene	19.47	202	1150818	42.946	nq	96
76) Benzidine	19.68	184	91343m	8.359	nq	
77) Pyrene	19.83	202	1159243	44.106	nq	98
79) Butylbenzylphthalate	20.71	149	432676	46.035	nq #	98
80) Benzo(a)anthracene	21.67	228	1168382	45.106	nq	99
81) 3,3'-Dichlorobenzidine	21.58	252	133288	14.758	nq	98
82) Chrysene	21.73	228	1075156	44.791	nq	97
83) Bis(2-ethylhexyl)phthalate	21.57	149	591222	46.269	nq #	99
84) Di-n-octyl phthalate	22.78	149	1004432	46.948	nq #	94
85) Indeno(1,2,3-cd)pyrene	28.59	276	1263206	47.533	nq #	93
87) Benzo(b)fluoranthene	23.89	252	1111812	44.732	nq #	97
88) Benzo(k)fluoranthene	23.95	252	1069850	44.028	nq #	96
89) Benzo(a)pyrene	24.76	252	1073872	46.441	nq #	95
90) Dibenzo(a,h)anthracene	28.64	278	1046691	46.107	nq #	94
91) Benzo(g,h,i)perylene	29.73	276	1035193	46.601	nq #	92

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

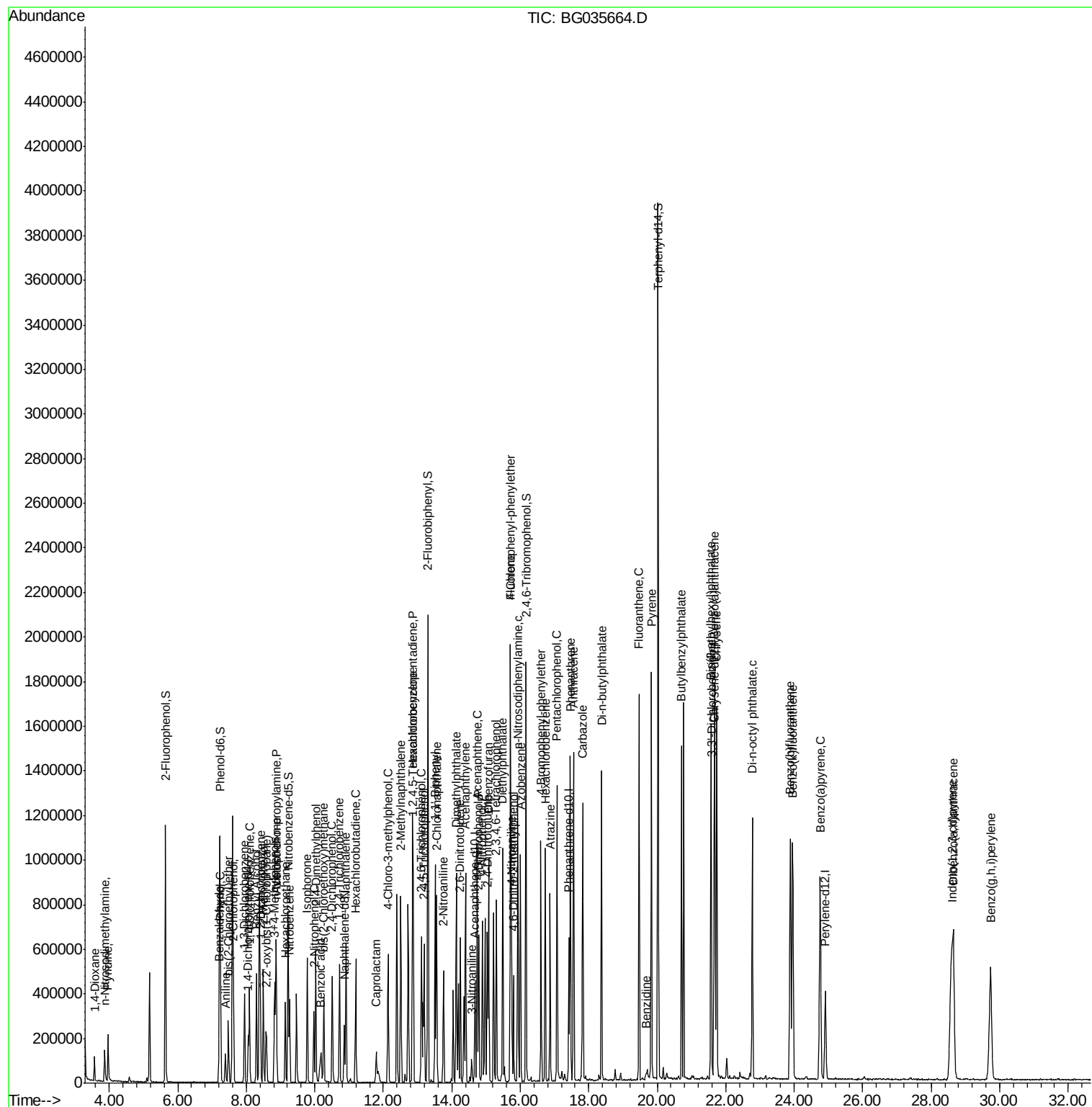
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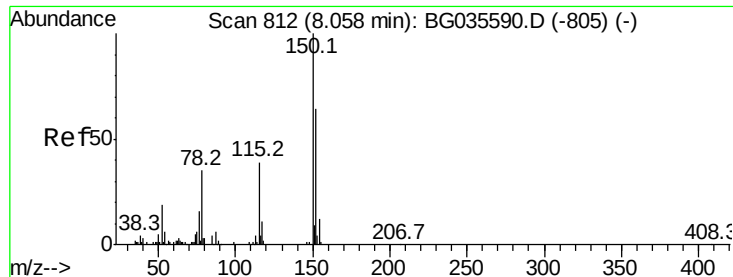
Instrument :
 BNA_G
 ClientSampleId :
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#1

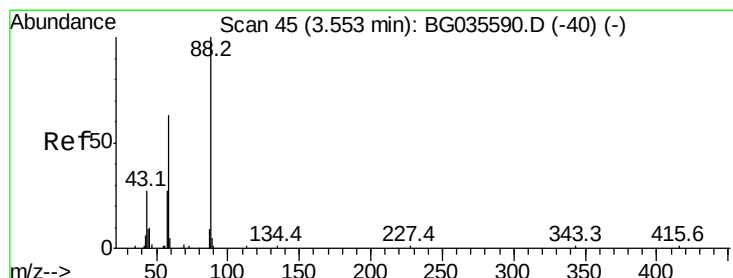
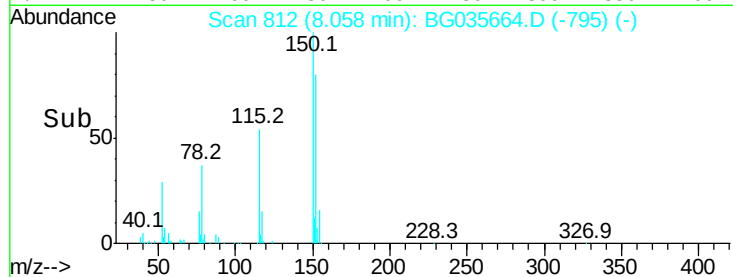
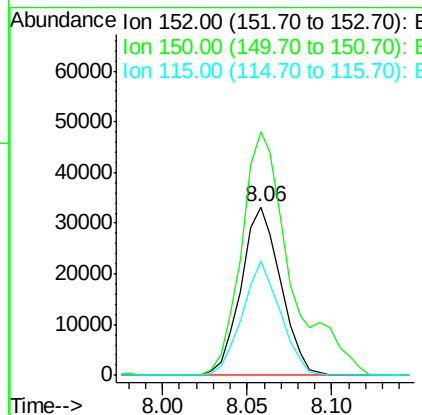
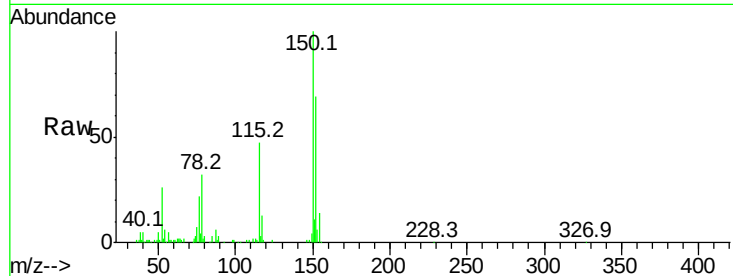
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.7	126.6	189.8
115	67.6	53.0	79.4

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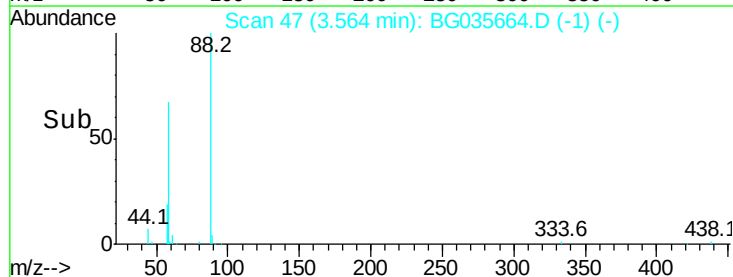
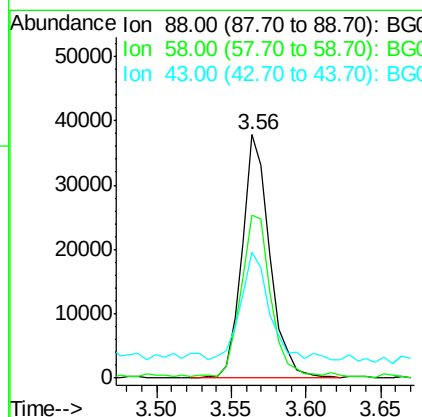
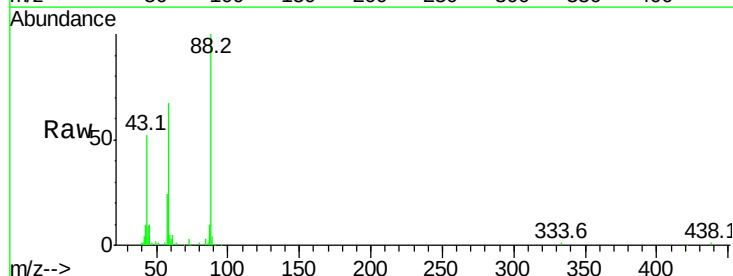
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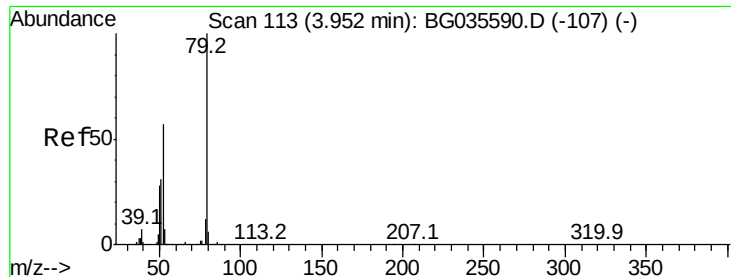


#2

1,4-Dioxane
Concen: 29.309 ng
RT: 3.56 min Scan# 47
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.0	79.6	119.4#
43	46.5	27.4	41.0#





#3

Pvridine

Concen: 30.841 ng

RT: 3.96 min Scan# 115

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

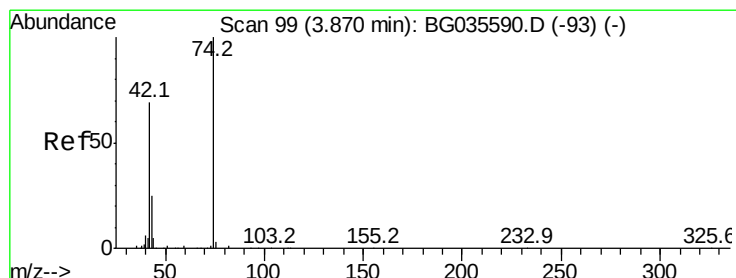
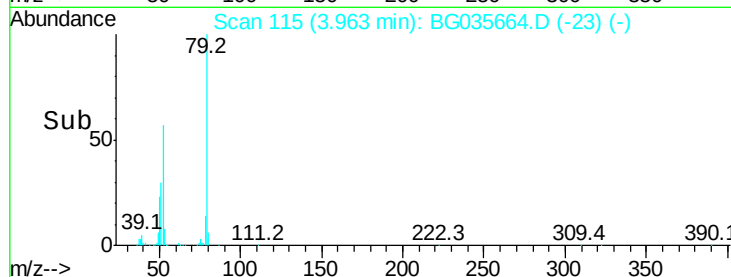
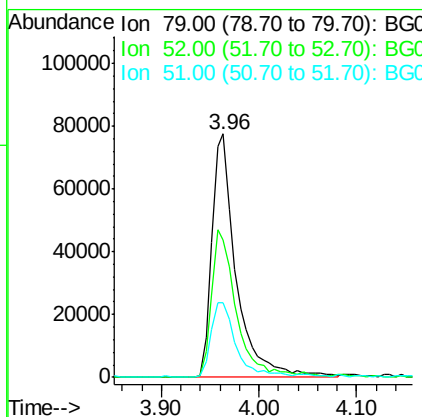
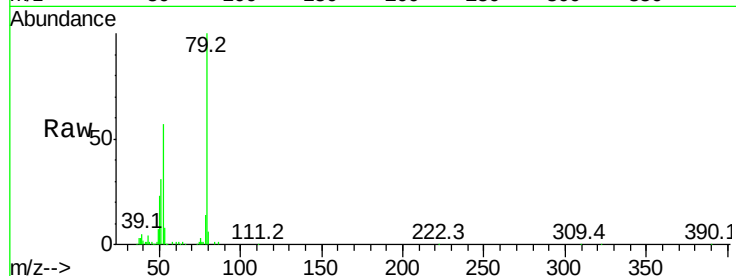
ClientSampled :

LS-SOIL-1MS

Tot Ion:	79	Resp:	133448
Ion Ratio	Lower	Upper	
79	100		
52	56.6	69.9	104.9#
51	30.5	34.0	51.0#

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#4

n-Nitrosodimethylamine

Concen: 35.649 ng

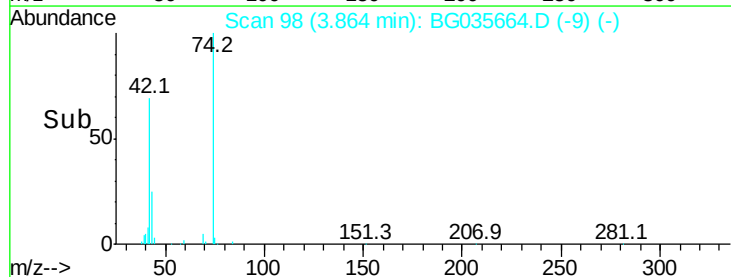
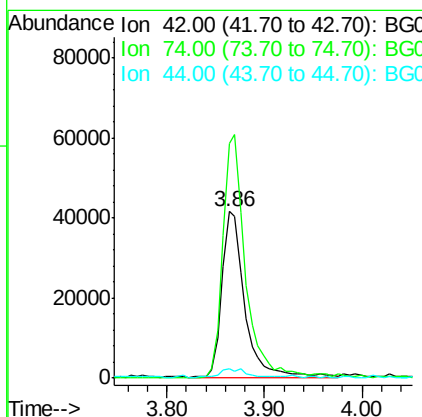
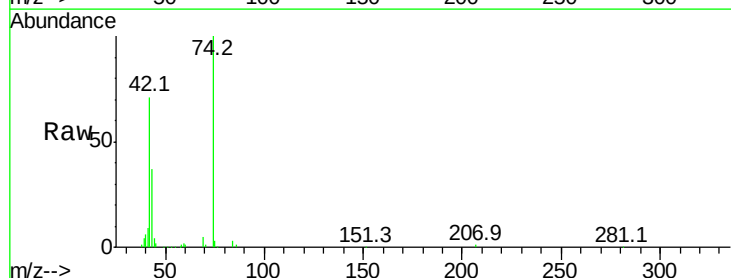
RT: 3.86 min Scan# 98

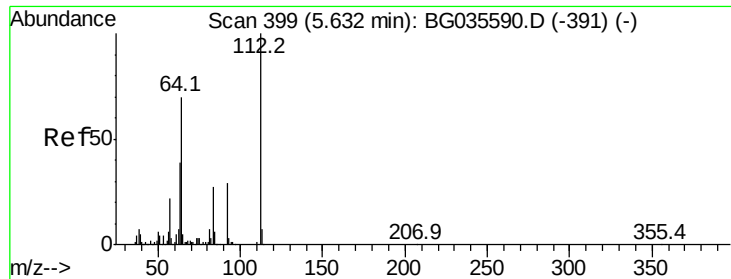
Delta R.T. -0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	42	Resp:	66233
Ion Ratio	Lower	Upper	
42	100		
74	140.7	102.5	153.7
44	5.8	18.9	28.3#





#5

2-Fluorophenol

Concen: 146.298 ng

RT: 5.64 min Scan# 400

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

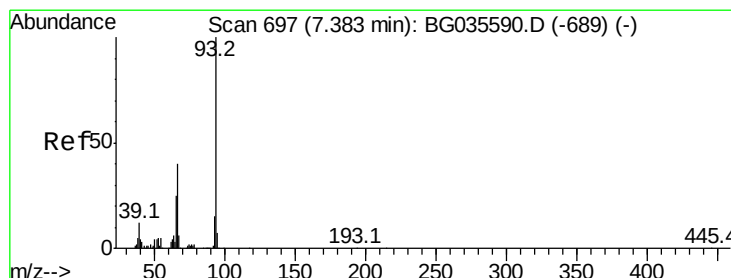
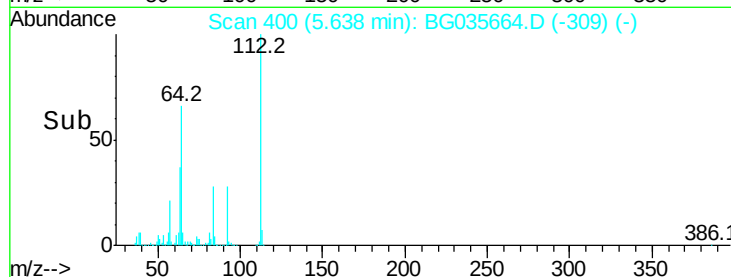
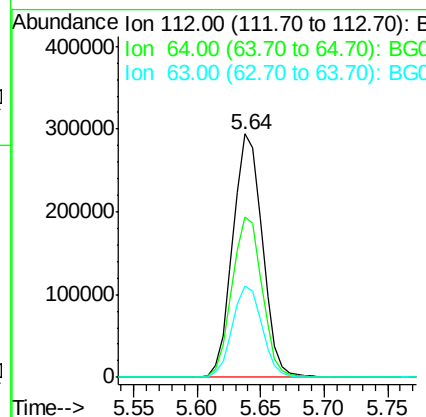
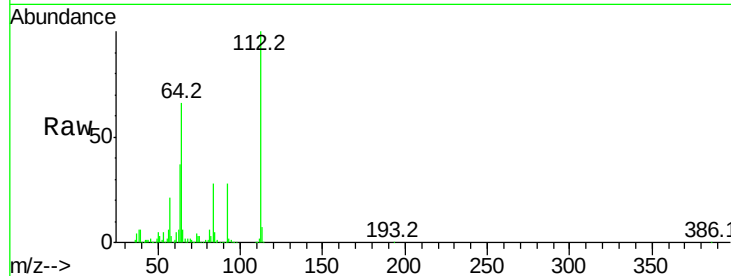
ClientSampleId :

LS-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	476422		
64	65.7	56.3	84.5	
63	37.4	30.1	45.1	

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#6

Aniline

Concen: 15.127 ng

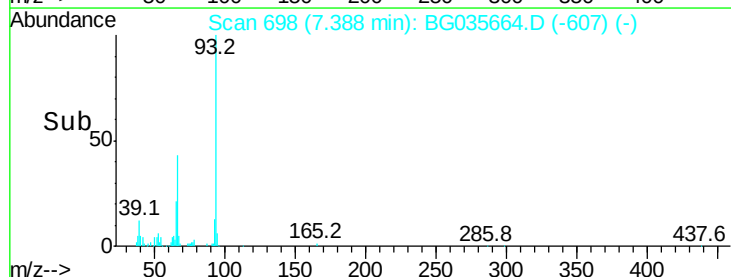
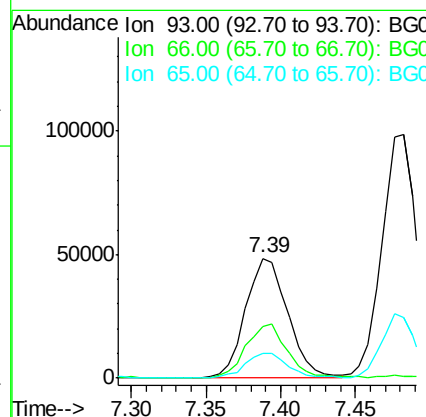
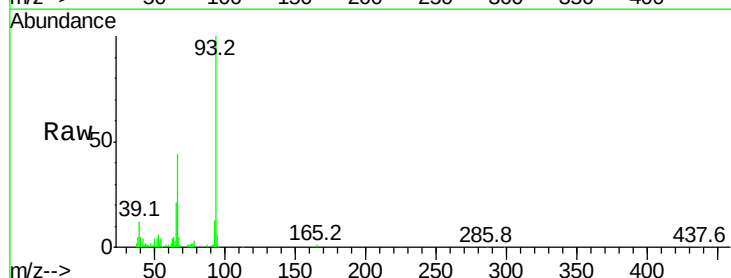
RT: 7.39 min Scan# 698

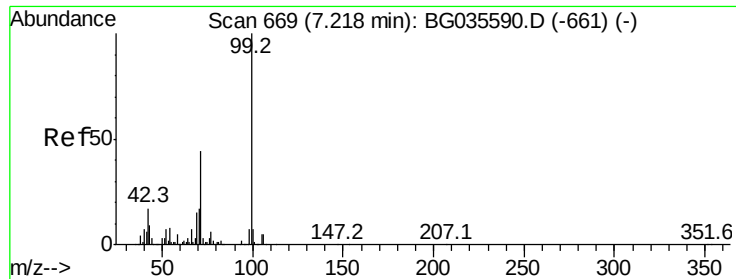
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	95263		
66	43.6	33.7	50.5	
65	21.0	16.1	24.1	





#7

Phenol-d6

Concen: 134.299 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

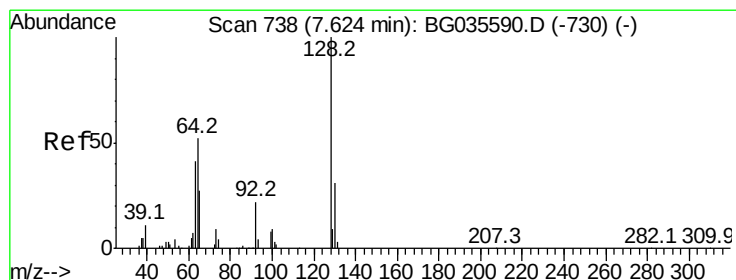
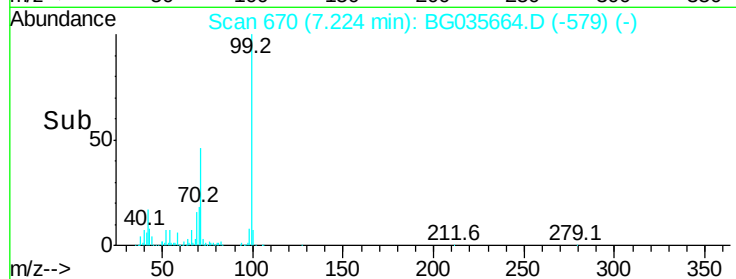
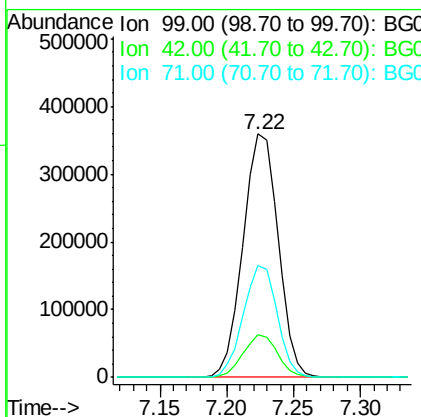
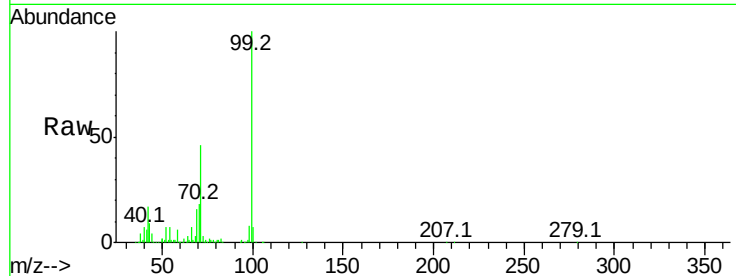
LS-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
99	100		
42	17.3	14.1	21.1
71	45.9	26.1	39.1#

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#8

2-Chlorophenol

Concen: 45.357 ng

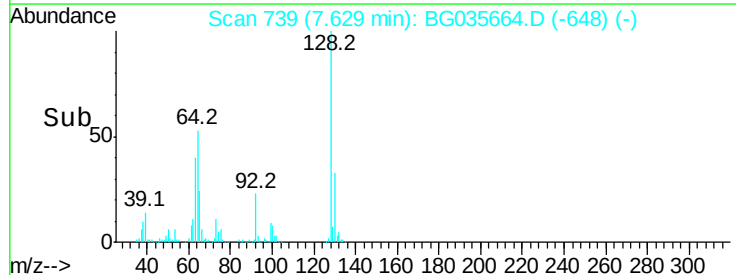
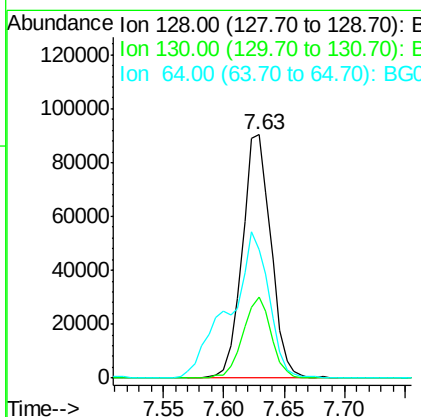
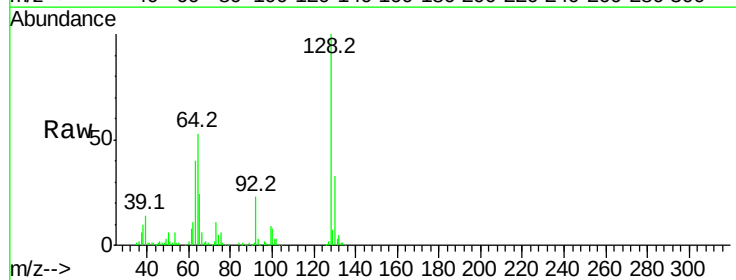
RT: 7.63 min Scan# 739

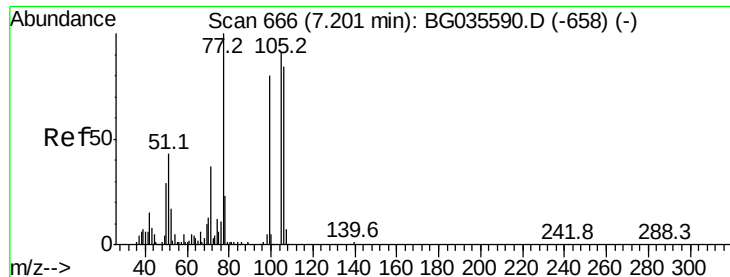
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
130	33.2	14.0	54.0
64	52.5	37.7	77.7





#9

Benzaldehyde

Concen: 9.542 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

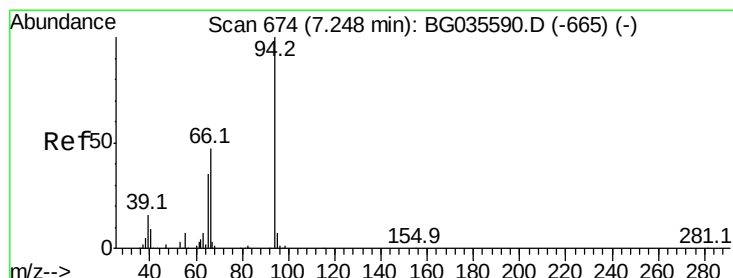
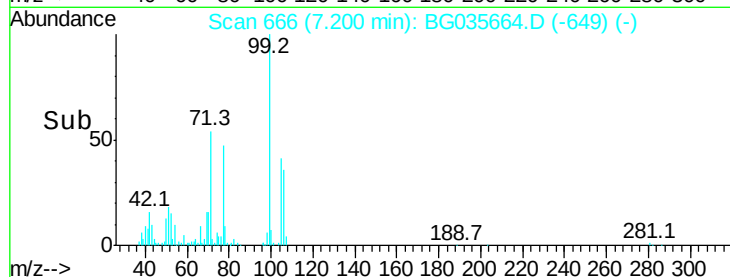
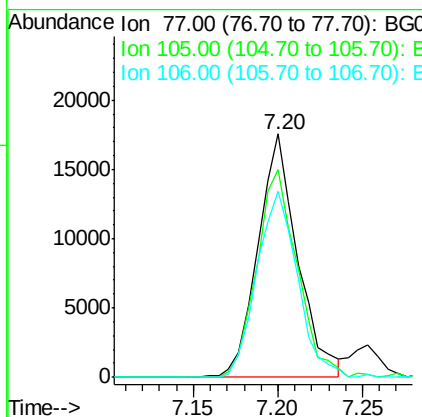
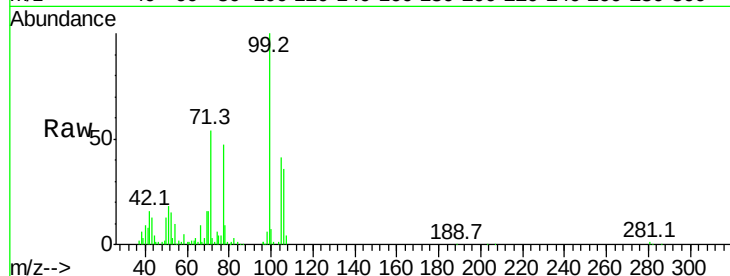
LS-SOIL-1MS

Tot Ion:	77	Resp:	28446
Ion Ratio	Lower	Upper	
77	100		
105	85.3	71.3	111.3
106	76.3	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 41.719 ng

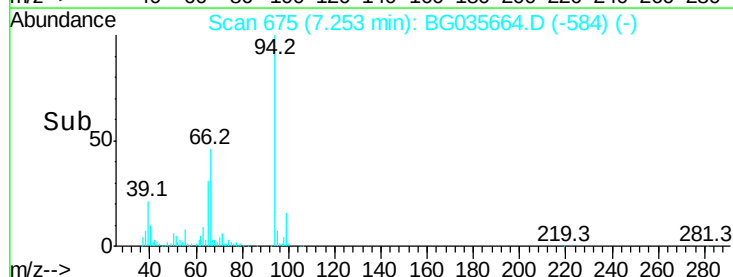
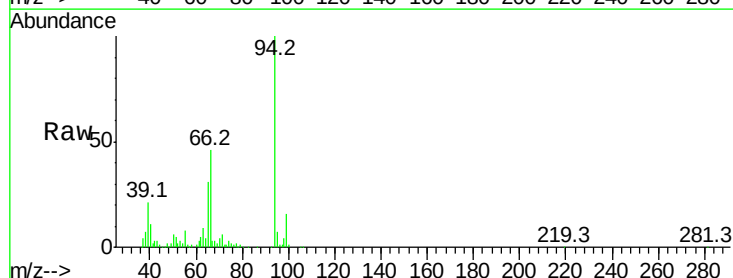
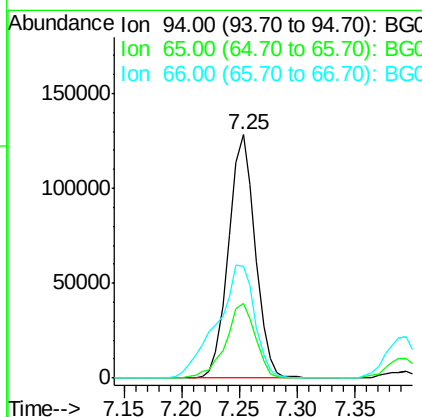
RT: 7.25 min Scan# 675

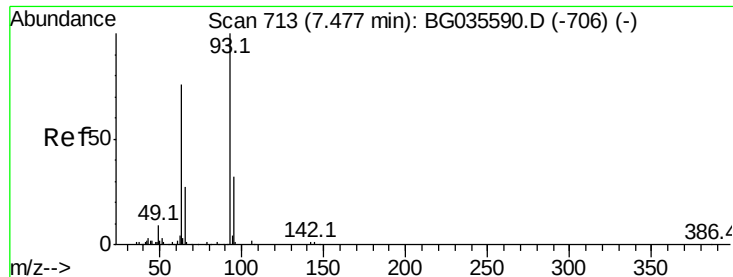
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	94	Resp:	204788
Ion Ratio	Lower	Upper	
94	100		
65	30.5	11.9	51.9
66	45.8	22.2	62.2





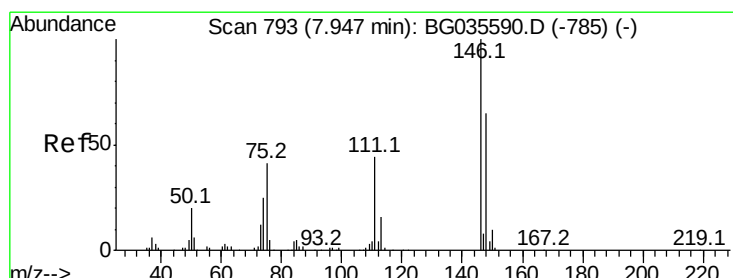
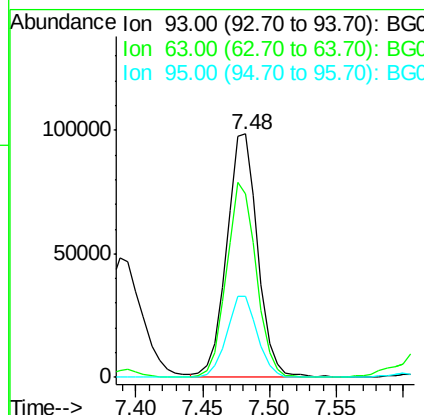
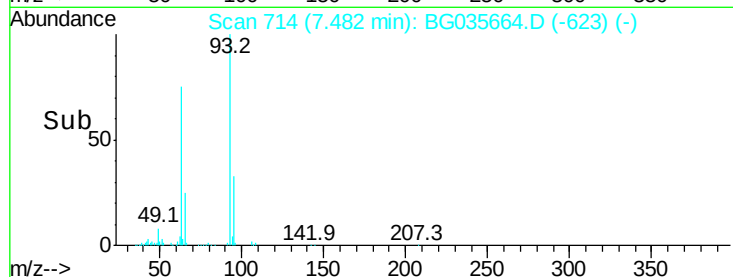
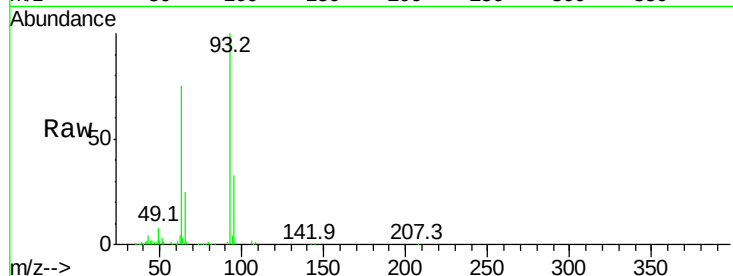
#11
bis(2-Chloroethyl)ether
Concen: 41.891 ng
RT: 7.48 min Scan# 714
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.3	67.1	107.1
95	33.4	11.5	51.5

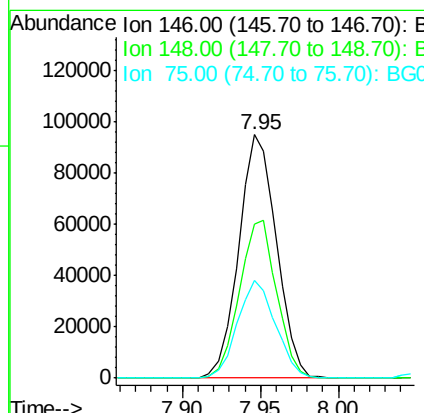
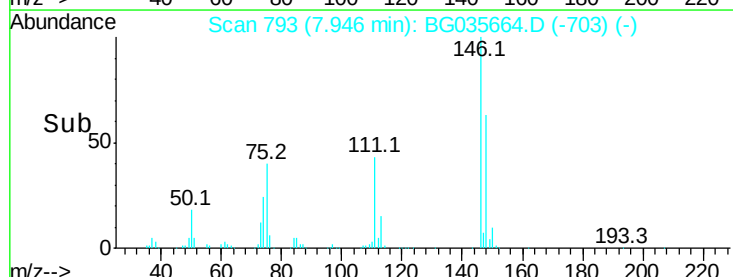
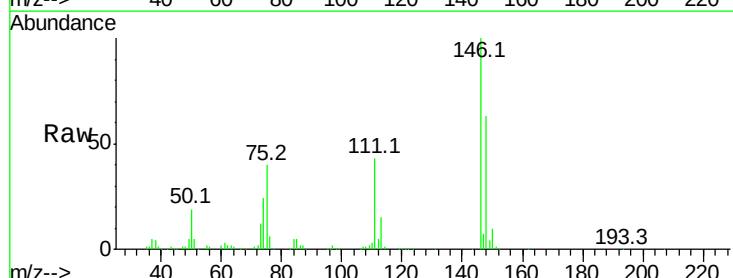
Manual Integrations
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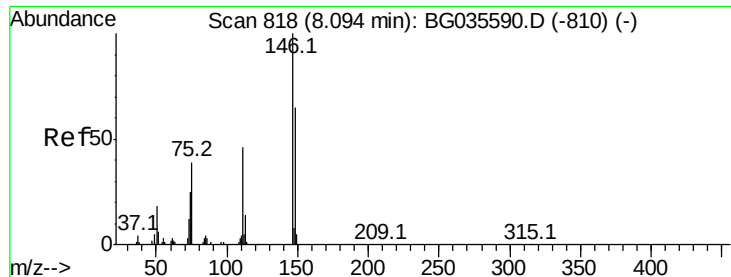
Sohil
7/17/2018 4:57:14 PM



#12
1,3-Dichlorobenzene
Concen: 40.107 ng m
RT: 7.95 min Scan# 793
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.4	77.2
75	40.1	26.6	39.8#





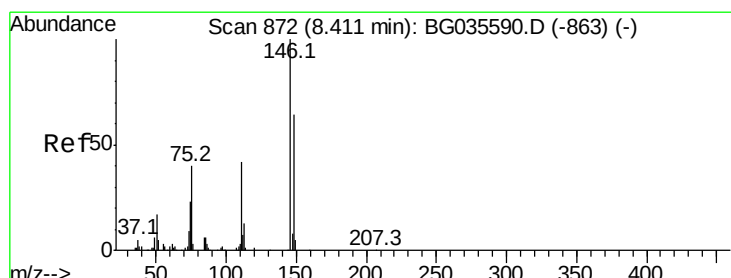
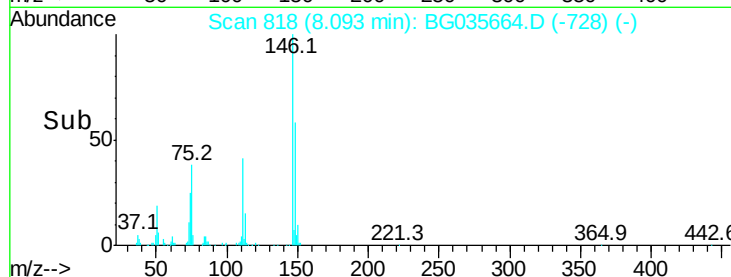
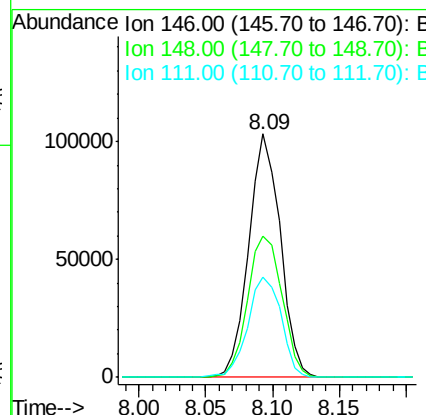
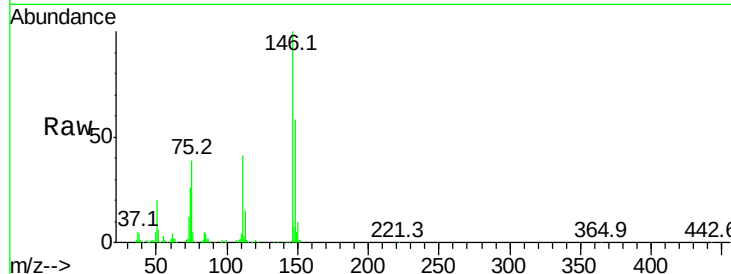
#13
1,4-Dichlorobenzene
Concen: 41.425 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	57.8	53.7	80.5
111	41.0	35.2	52.8

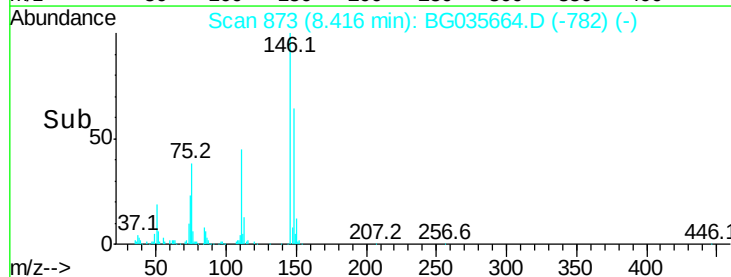
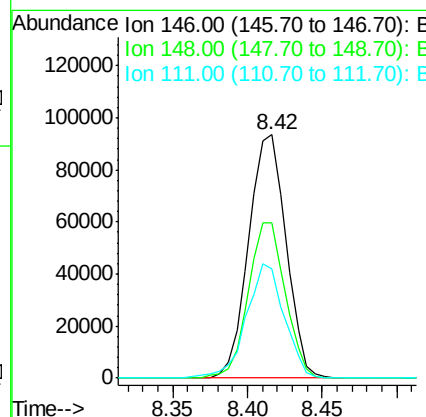
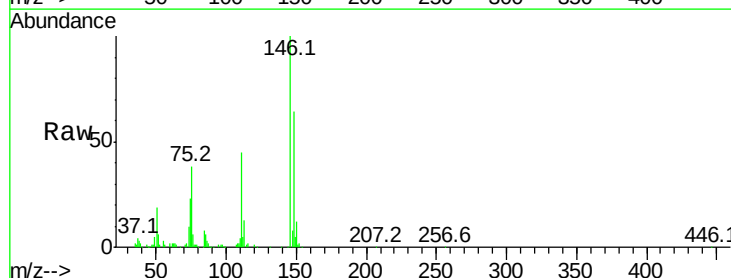
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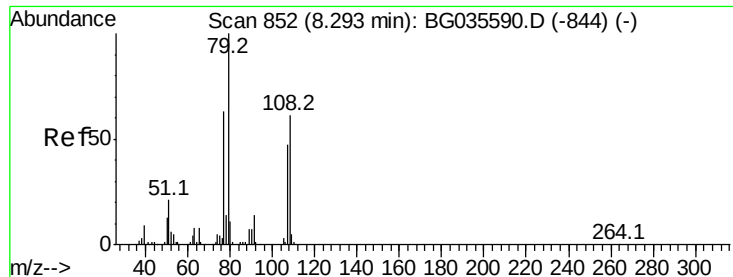
Sohil
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#14
1,2-Dichlorobenzene
Concen: 41.426 ng
RT: 8.42 min Scan# 873
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	49.3	73.9
111	44.8	34.3	51.5





#15

Benzyl Alcohol

Concen: 43.110 ng

RT: 8.30 min Scan# 853

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

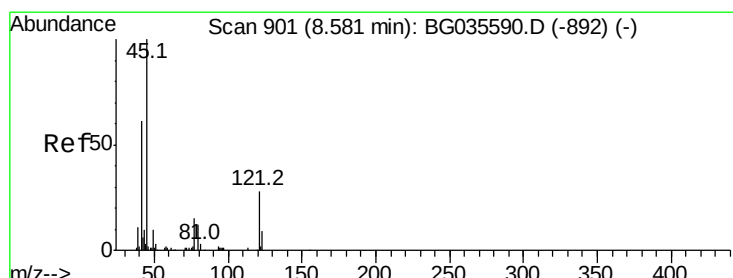
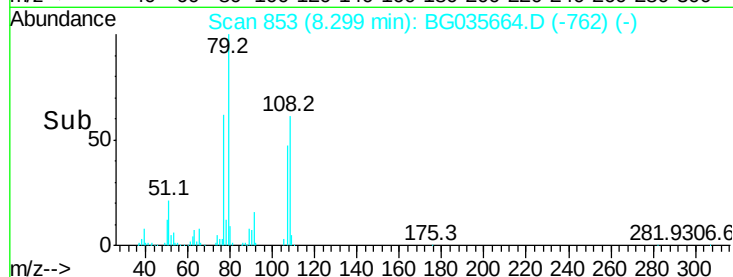
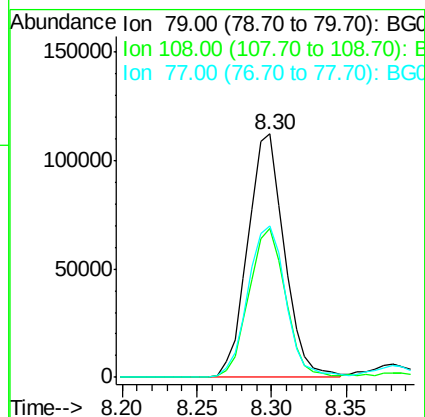
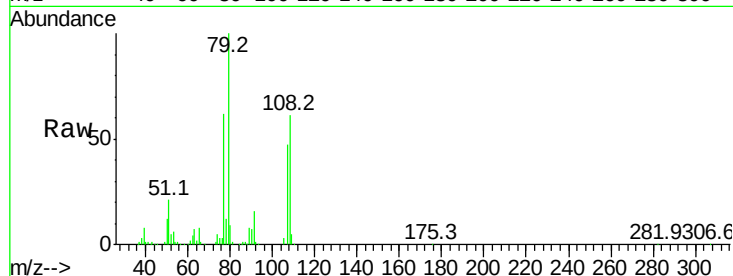
ClientSampled :

LS-SOIL-1MS

Tot Ion:	79	Resp:	190207
Ion Ratio	Lower	Upper	
79	100		
108	61.3	57.2	85.8
77	62.5	46.1	69.1

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 58.467 ng

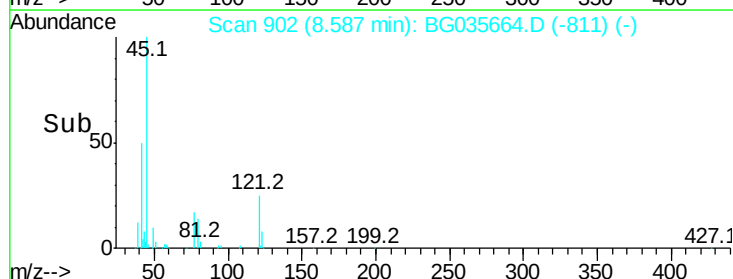
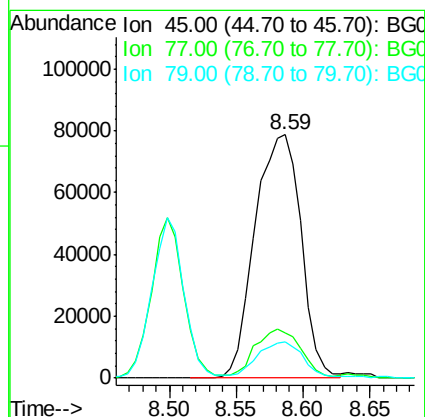
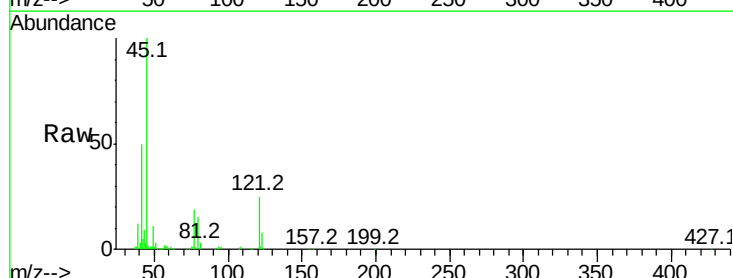
RT: 8.59 min Scan# 902

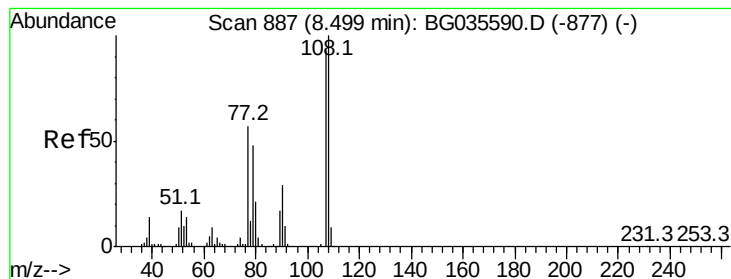
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	45	Resp:	188436
Ion Ratio	Lower	Upper	
45	100		
77	18.7	0.0	30.2
79	15.1	0.0	27.9





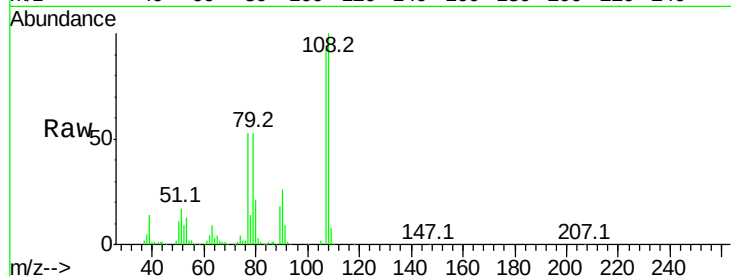
#17
2-Methylphenol
Concen: 44.250 ng
RT: 8.50 min Scan# 887
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

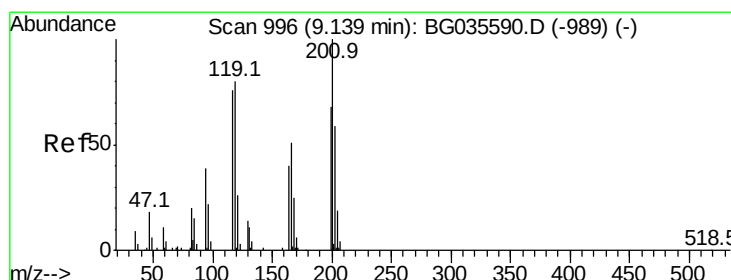
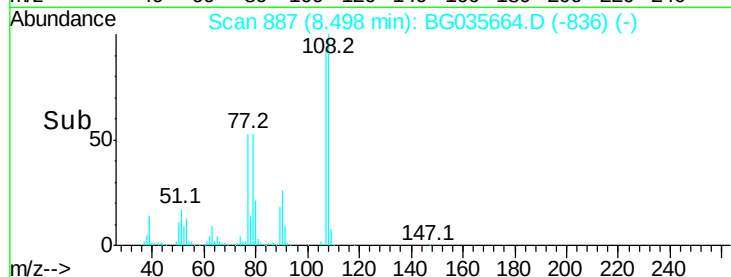
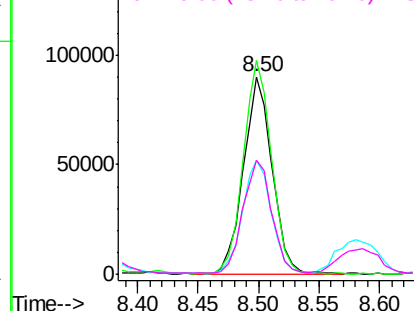
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.1	83.9	125.9	
77	57.8	37.2	55.8#	
79	57.8	36.2	54.2#	

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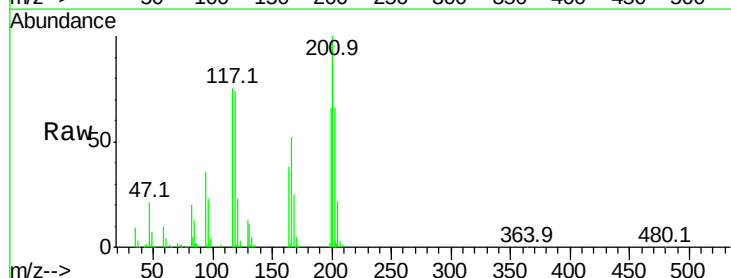


Abundance Ion 107.00 (106.70 to 107.70): E
150000 Ion 108.00 (107.70 to 108.70): E
100000 Ion 77.00 (76.70 to 77.70): BG
50000 Ion 79.00 (78.70 to 79.70): BG

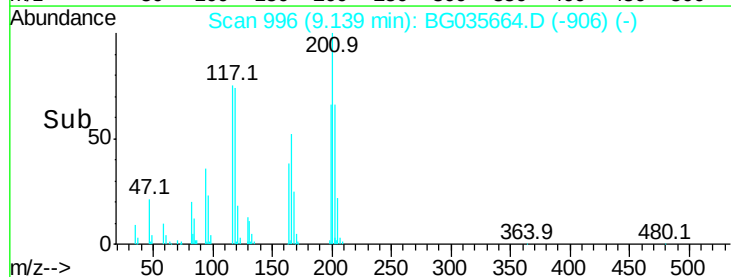
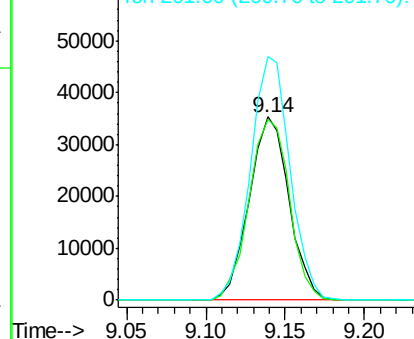


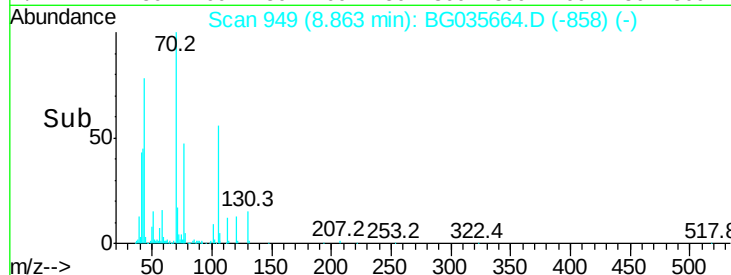
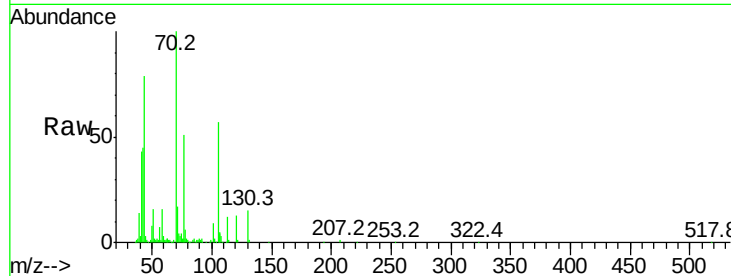
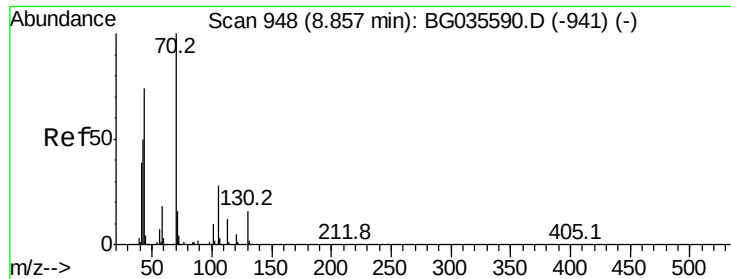
#18
Hexachloroethane
Concen: 39.726 ng
RT: 9.14 min Scan# 996
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	99.0	76.7	115.1	
201	133.1	95.7	143.5	



Abundance Ion 117.00 (116.70 to 117.70): E
60000 Ion 119.00 (118.70 to 119.70): E
50000 Ion 201.00 (200.70 to 201.70): E





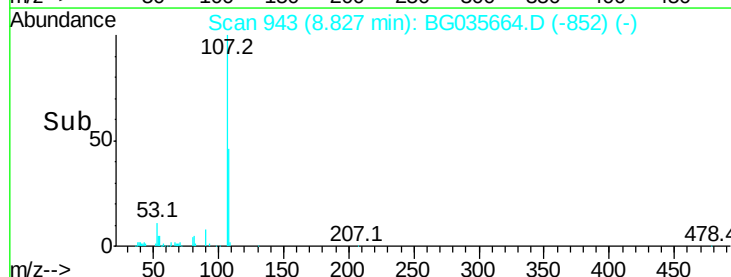
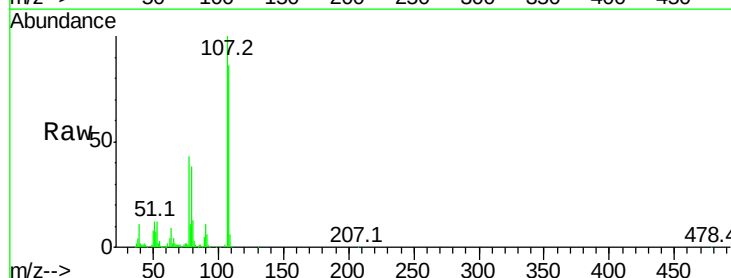
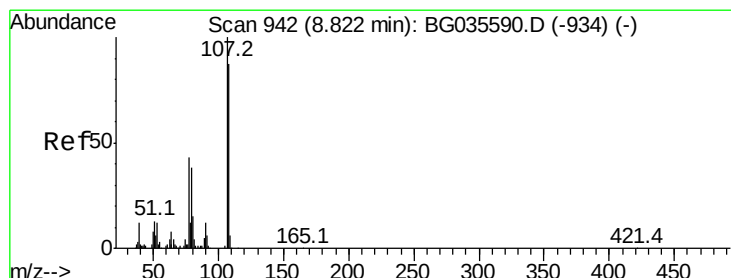
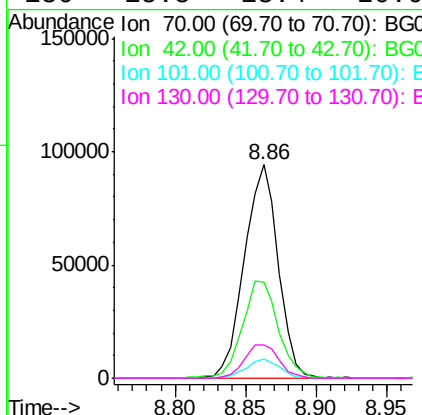
#19
n-Nitroso-di-n-propylamine
Concen: 38.563 ng
RT: 8.86 min Scan# 949
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tot Ion	Ratio	Lower	Upper
70	100		
42	44.8	49.1	73.7#
101	9.0	8.5	12.7
130	15.5	13.4	20.0

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

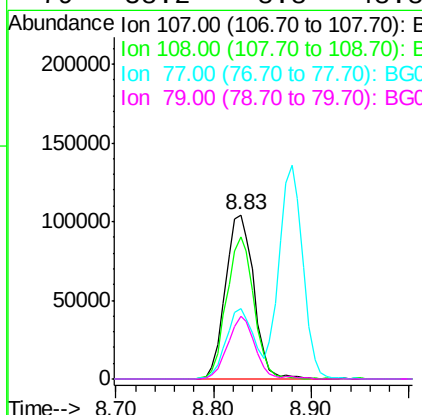
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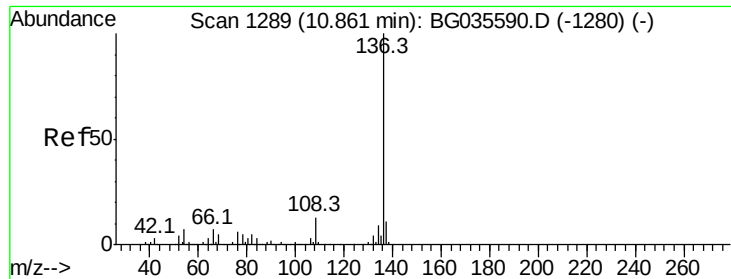
Sohil
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#20
3+4-Methylphenols
Concen: 45.468 ng
RT: 8.83 min Scan# 943
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.2	61.6	101.6
77	43.1	13.9	53.9
79	38.2	8.8	48.8





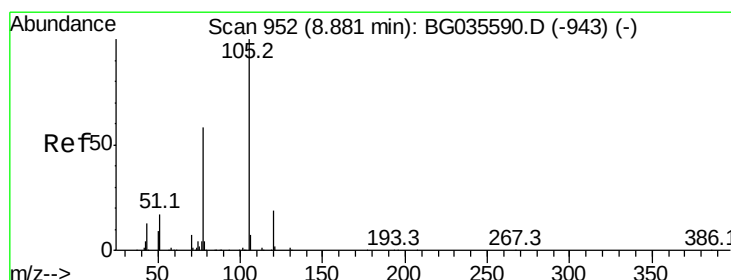
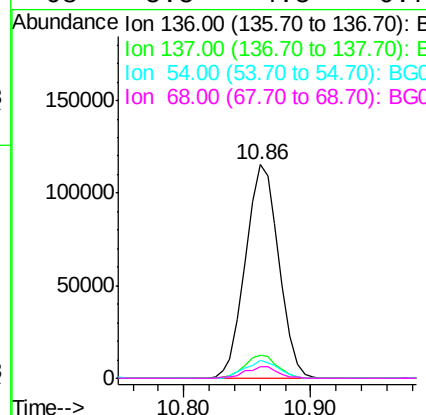
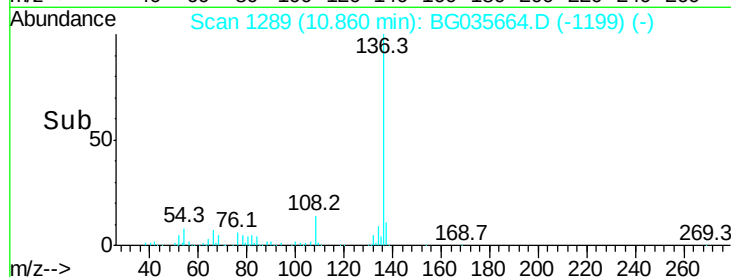
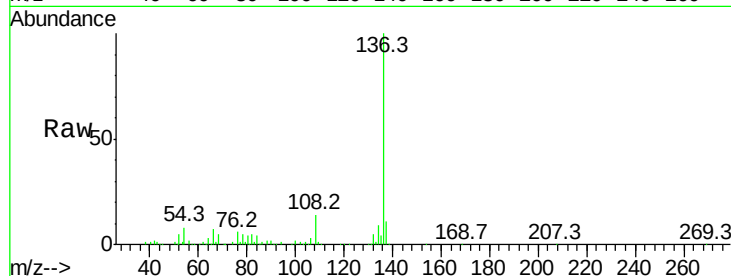
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	210541		
137	10.8	9.2	13.8	
54	8.2	10.3	15.5	
68	5.5	4.5	6.7	

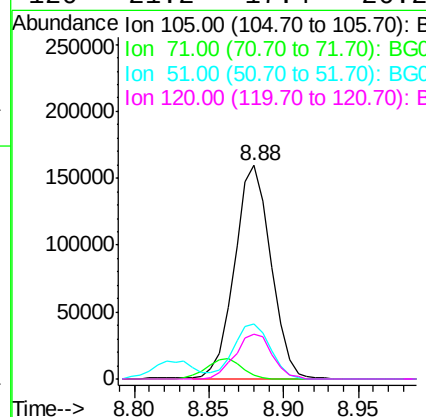
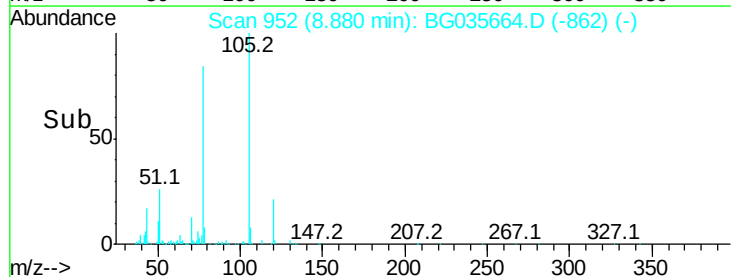
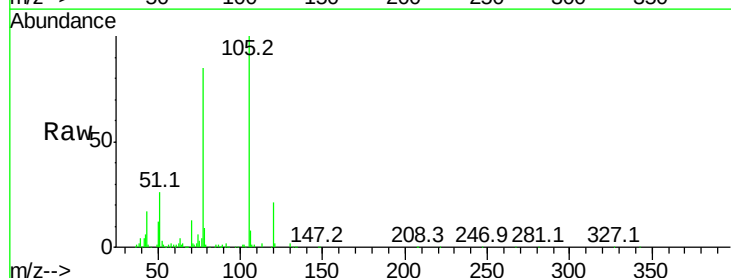
Manual Integrations
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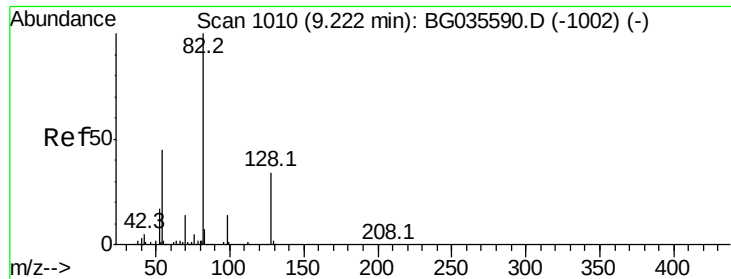
Sohil
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#22
Acetophenone
Concen: 41.387 ng
RT: 8.88 min Scan# 952
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270973		
71	2.0	3.0	4.4	
51	25.8	26.1	39.1	
120	21.2	17.4	26.2	





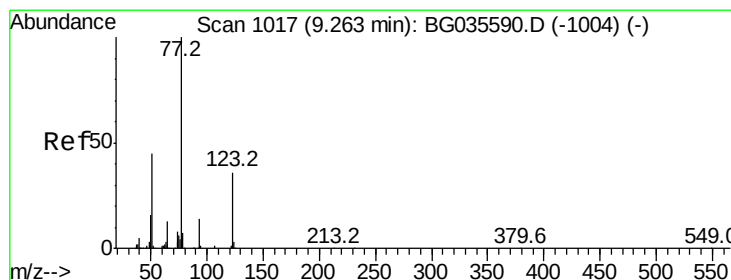
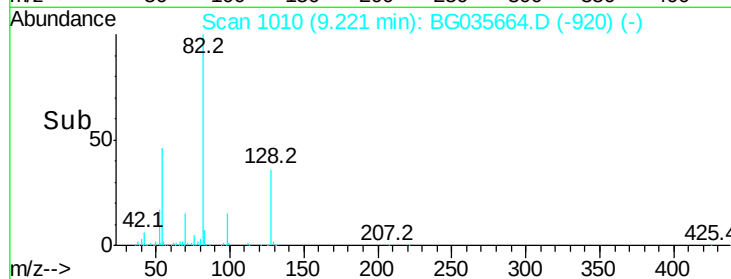
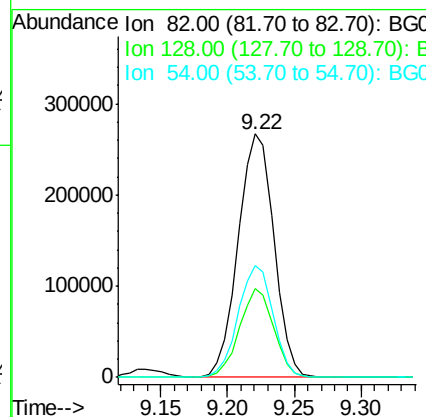
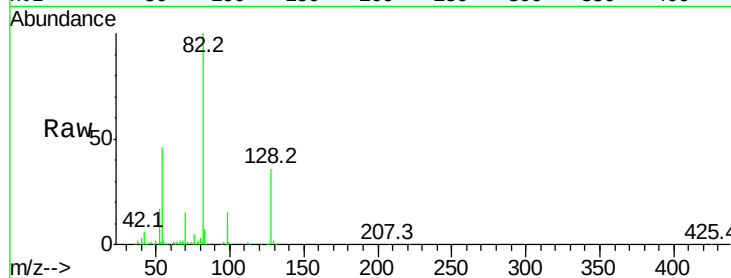
#23
 Nitrobenzene-d5
 Concen: 98.181 ng
 RT: 9.22 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.7	44.5
54	45.7	43.1	64.7

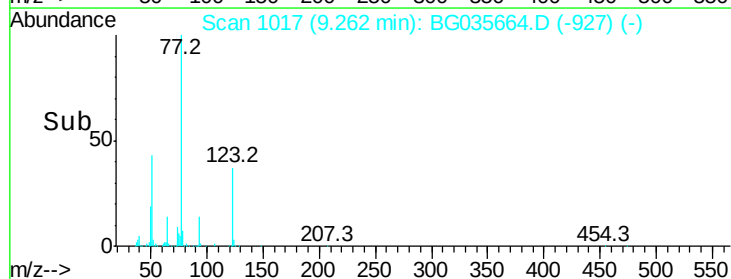
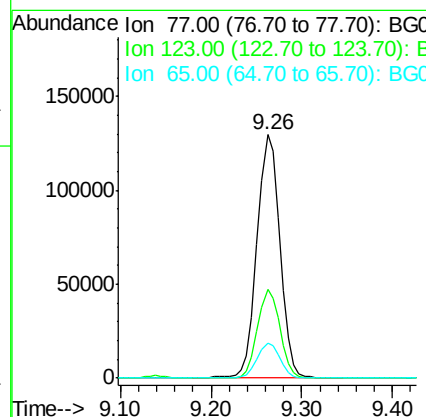
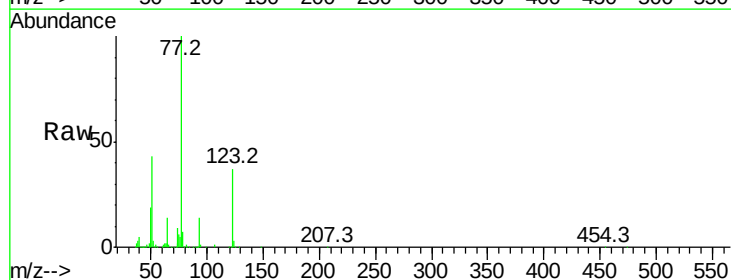
Manual Integrations
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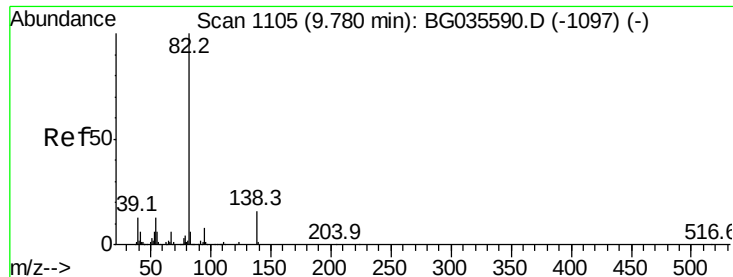
Sohil
 7/17/2018 4:57:14 PM



#24
 Nitrobenzene
 Concen: 44.988 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.6	33.0	49.6
65	14.2	13.0	19.6





#25

Isophorone

Concen: 47.185 ng

RT: 9.78 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

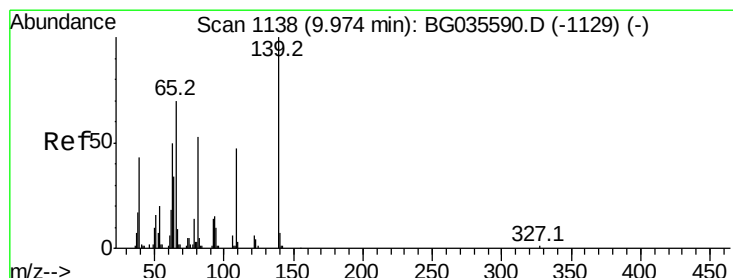
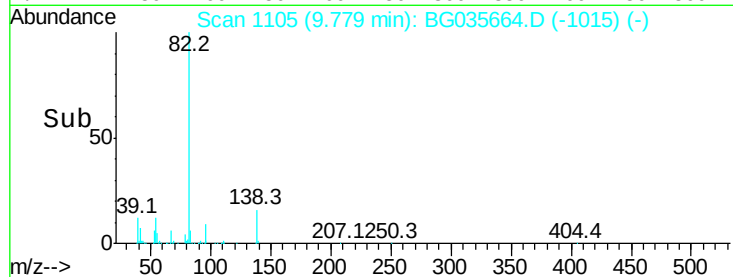
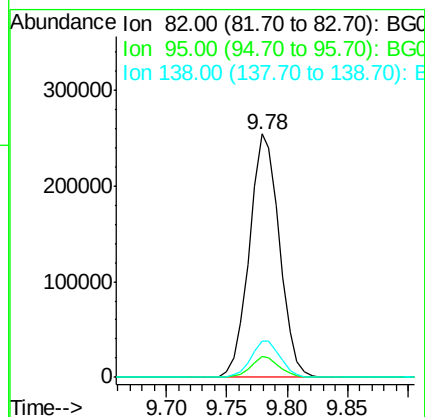
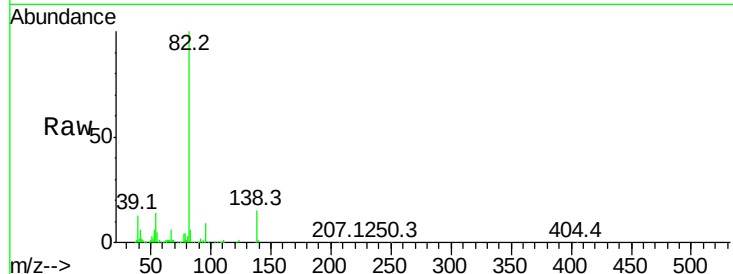
ClientSampleId :

LS-SOIL-1MS

Tot Ion:	82	Resp:	441455
Ion Ratio	Lower	Upper	
82	100		
95	8.7	6.2	9.2
138	14.9	12.1	18.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.671 ng

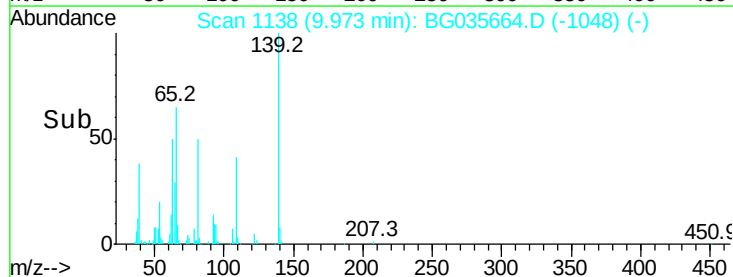
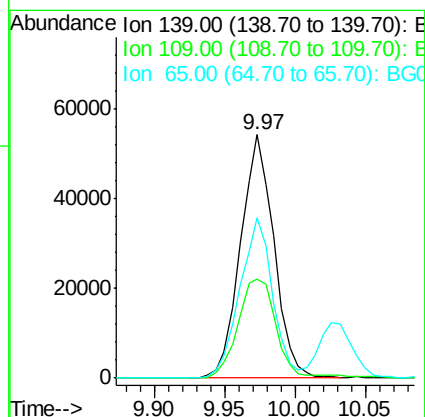
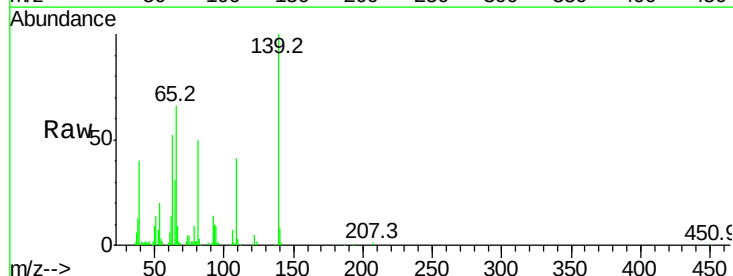
RT: 9.97 min Scan# 1138

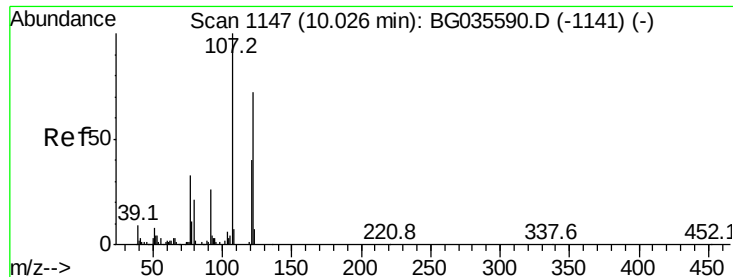
Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	139	Resp:	89414
Ion Ratio	Lower	Upper	
139	100		
109	40.8	24.2	36.2#
65	66.1	47.4	71.0





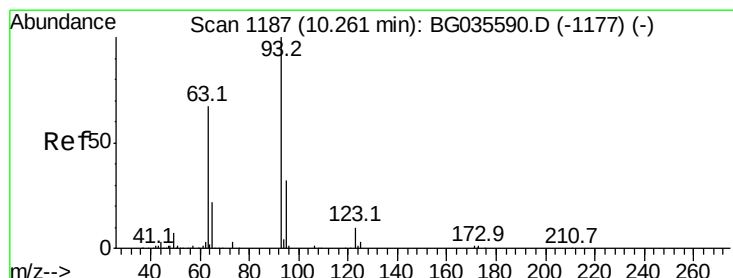
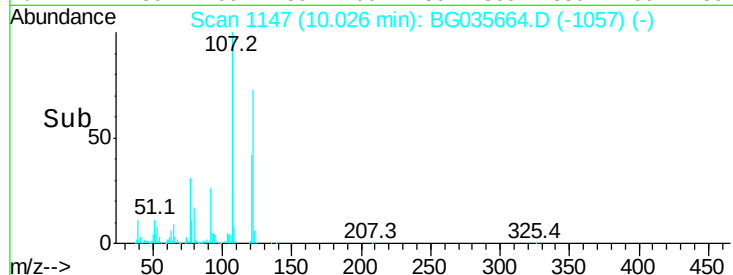
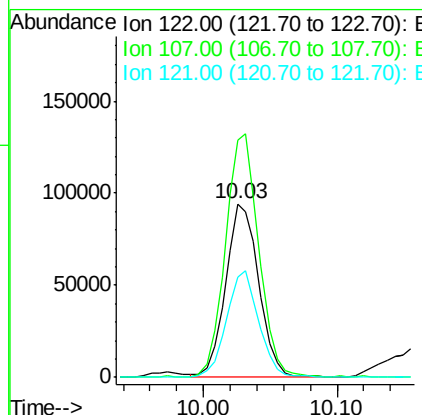
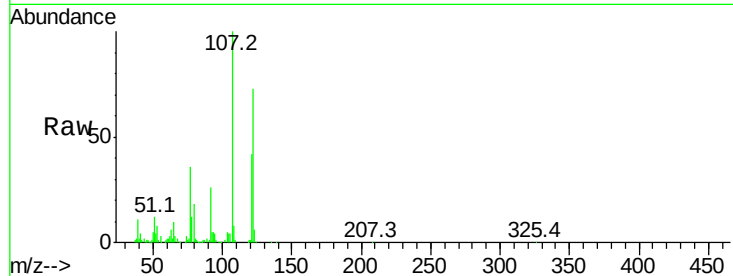
#27
2,4-Dimethylphenol
Concen: 53.333 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	137.0	100.2	150.2
121	58.0	44.4	66.6

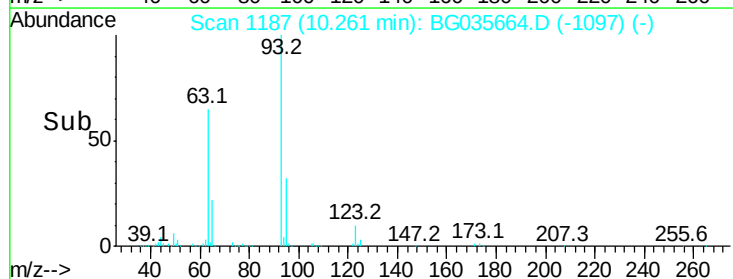
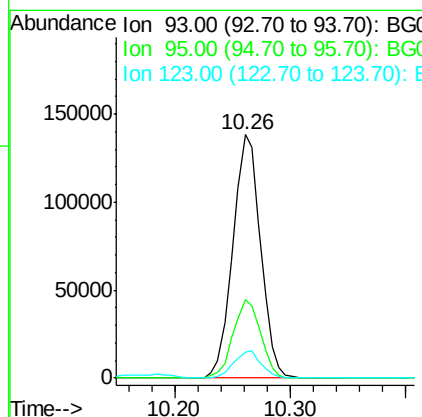
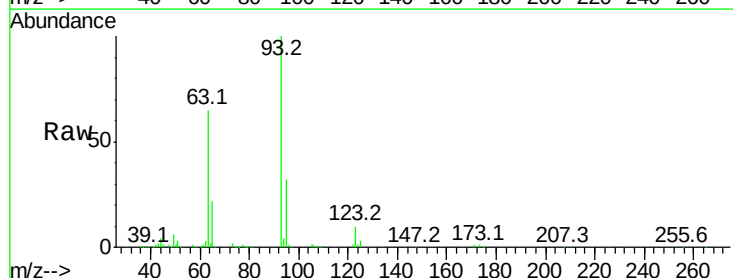
Manual Integrations
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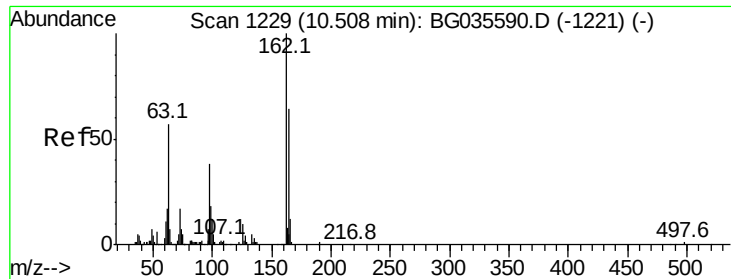
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 44.552 ng
RT: 10.26 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.3	36.5
123	10.4	8.4	12.6





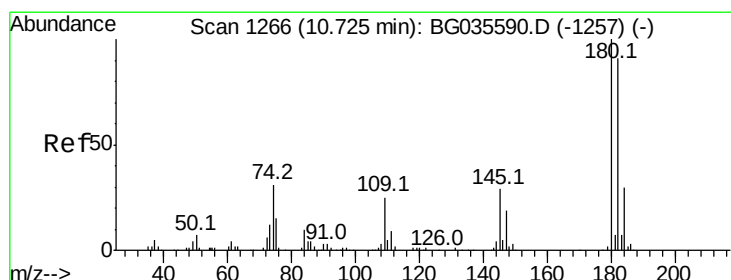
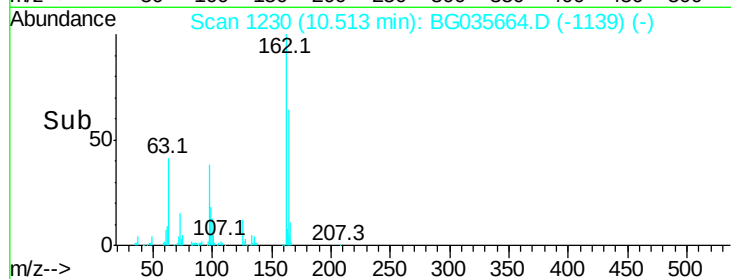
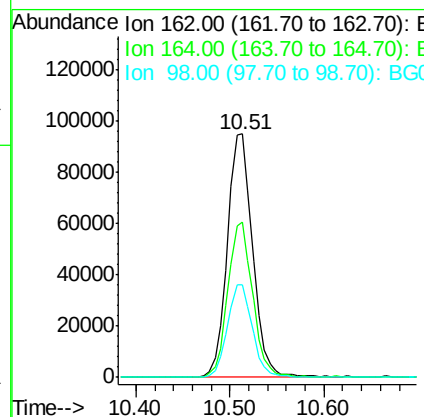
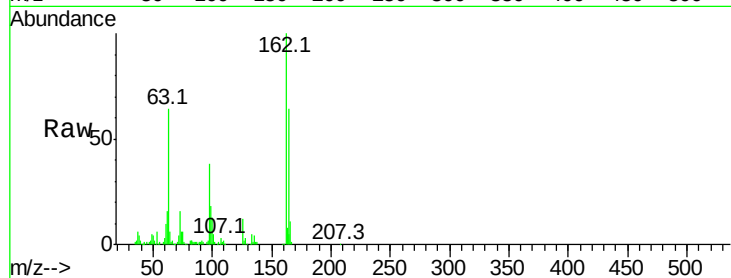
#29
2,4-Dichlorophenol
Concen: 50.993 ng
RT: 10.51 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	177368		
164	63.8	48.0	88.0	
98	38.1	21.1	61.1	

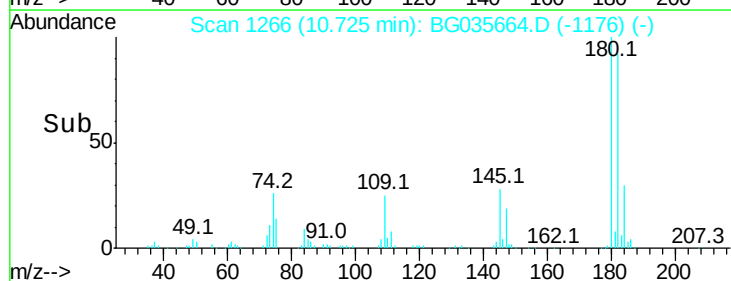
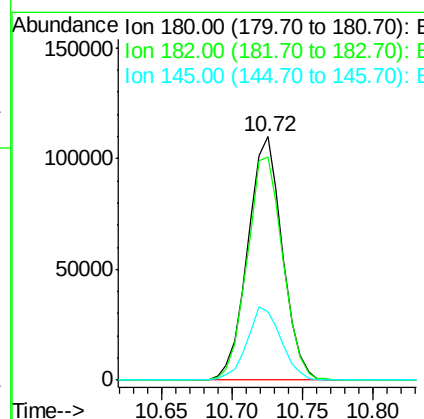
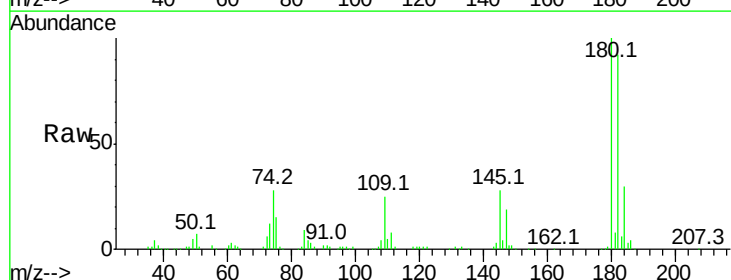
Manual Integrations
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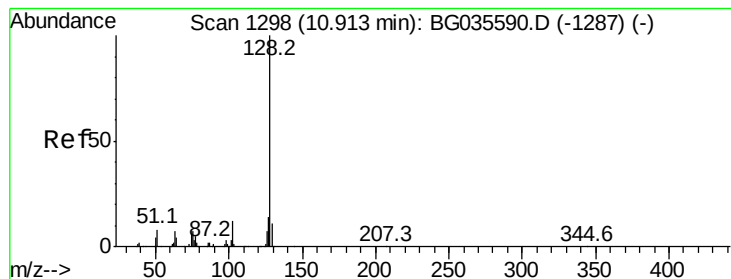
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 44.168 ng
RT: 10.72 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188384		
182	91.5	77.5	116.3	
145	27.9	23.4	35.2	





#31

Naphthalene

Concen: 45.231 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

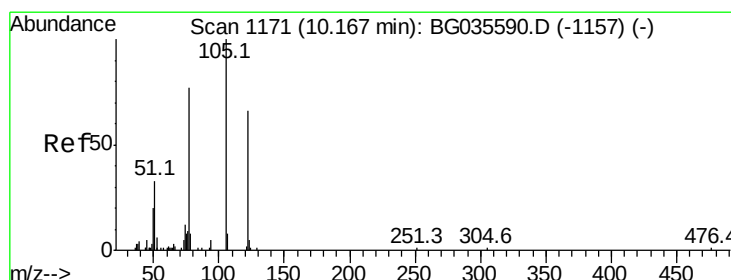
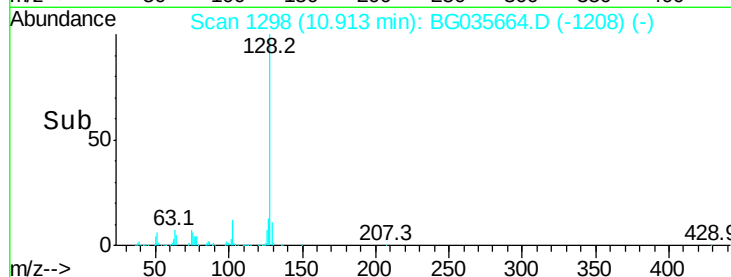
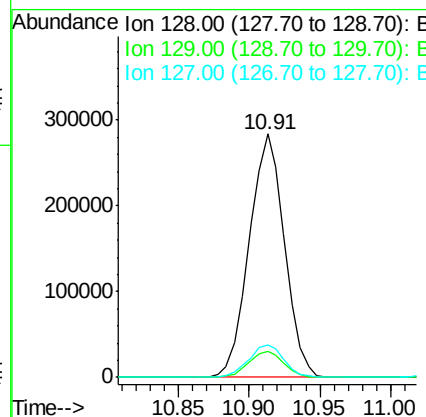
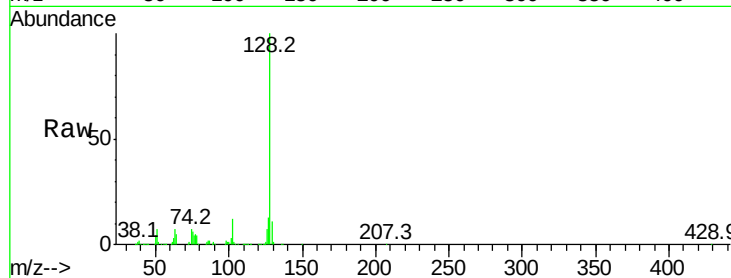
ClientSampleId :

LS-SOIL-1MS

Tot Ion:	128	Resp:	496057
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.4	11.6	17.4

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#32

Benzoic acid

Concen: 40.131 ng

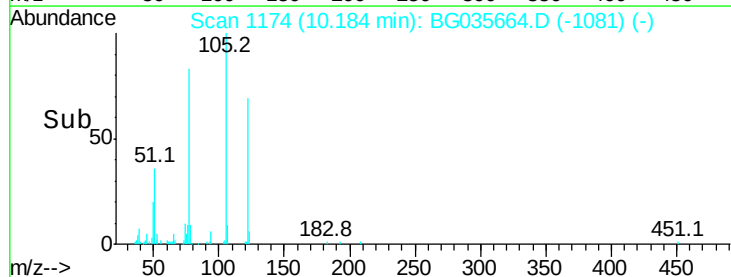
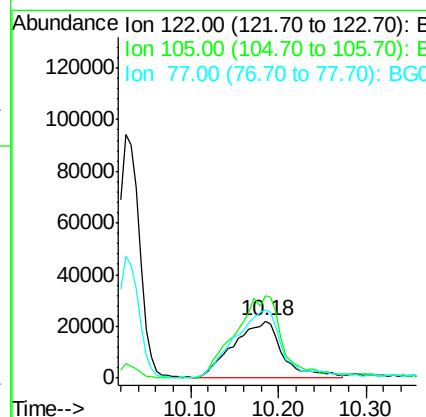
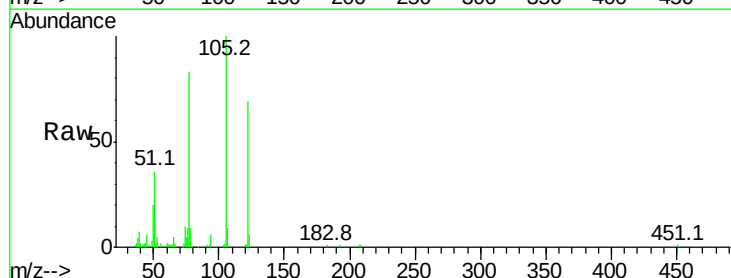
RT: 10.18 min Scan# 1174

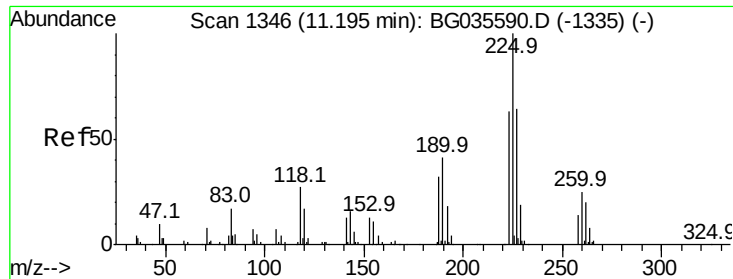
Delta R.T. 0.02 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	122	Resp:	82321
Ion Ratio	Lower	Upper	
122	100		
105	144.5	123.5	163.5
77	120.3	85.7	125.7





#34

Hexachlorobutadiene

Concen: 43.402 ng

RT: 11.19 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampled :

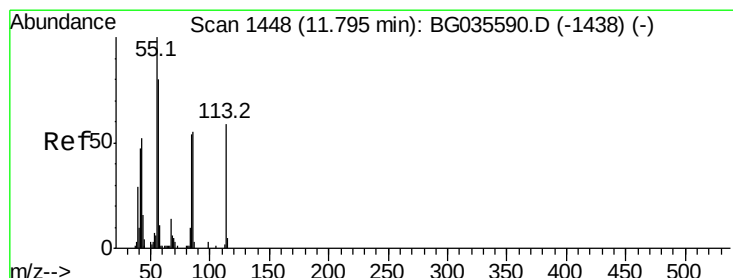
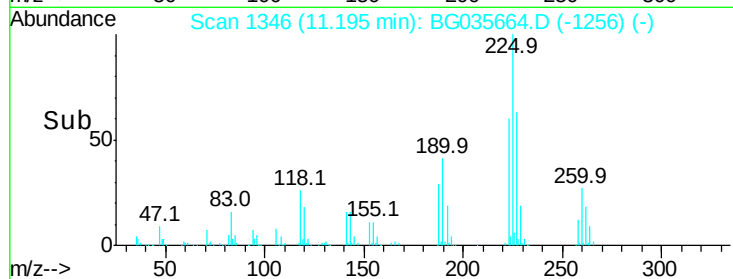
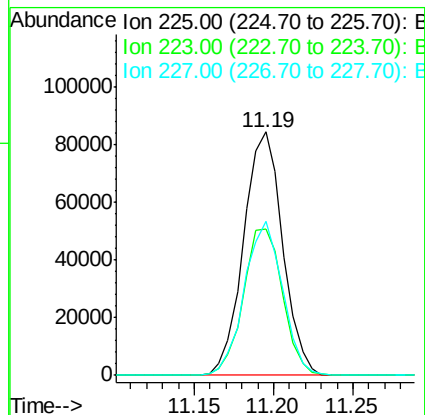
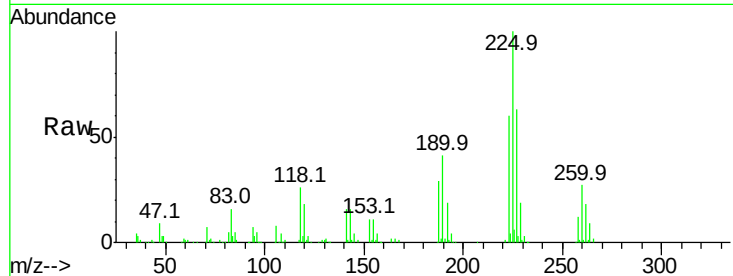
LS-SOIL-1MS

Tot Ion:	225	Resp:	144351
Ion Ratio	Lower	Upper	
225	100		
223	59.9	49.7	74.5
227	63.3	48.1	72.1

Manual Integrations
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#35

Caprolactam

Concen: 32.679 ng m

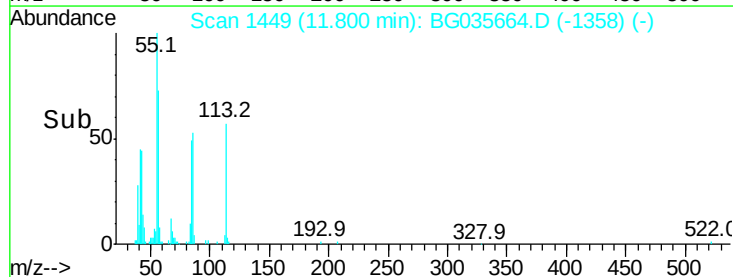
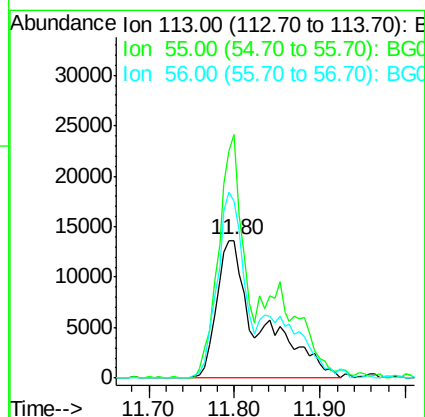
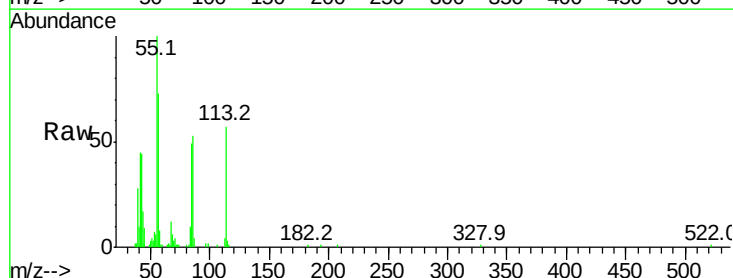
RT: 11.80 min Scan# 1449

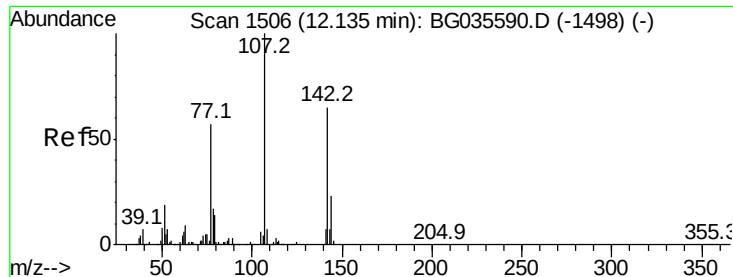
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	113	Resp:	48779
Ion Ratio	Lower	Upper	
113	100		
55	176.5	186.9	226.9#
56	128.1	130.9	170.9#





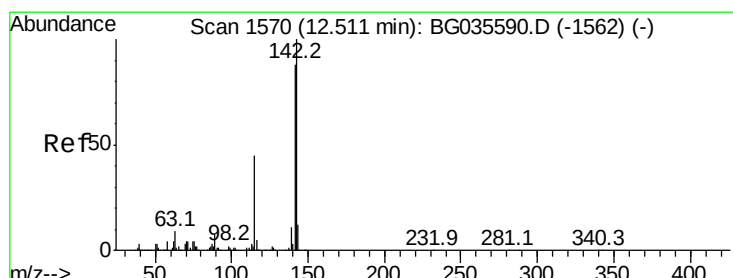
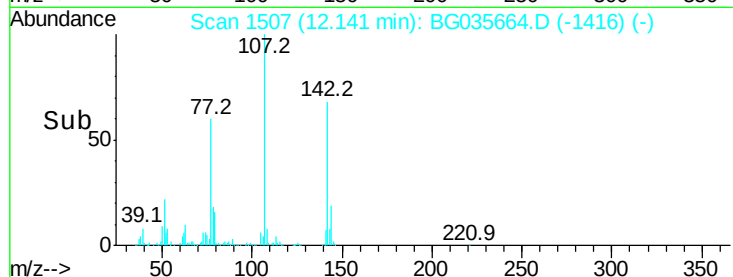
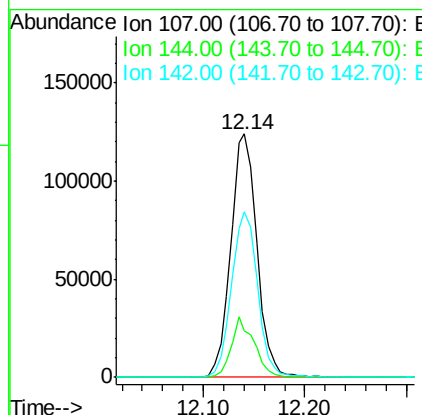
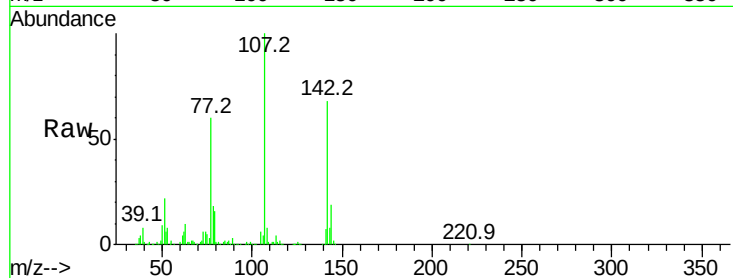
#36
 4-Chloro-3-methylphenol
 Concen: 47.589 ng
 RT: 12.14 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	19.2	18.2	27.4
142	67.9	59.0	88.4

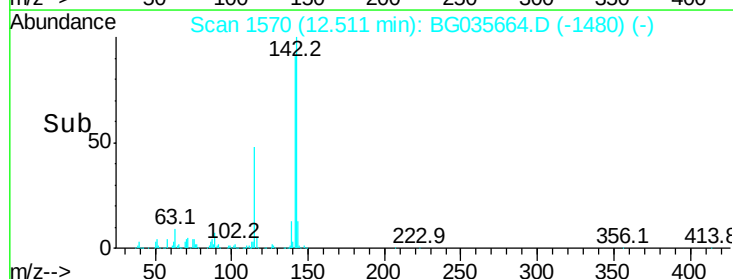
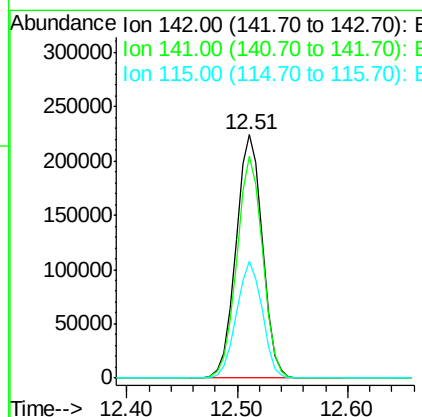
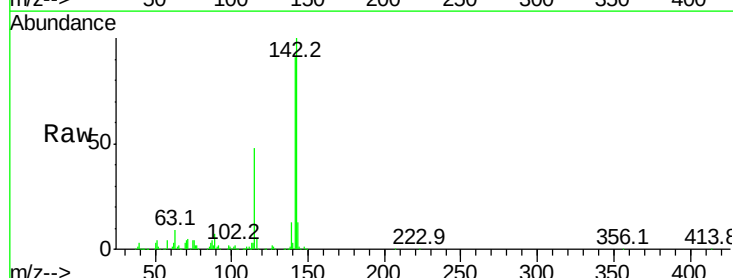
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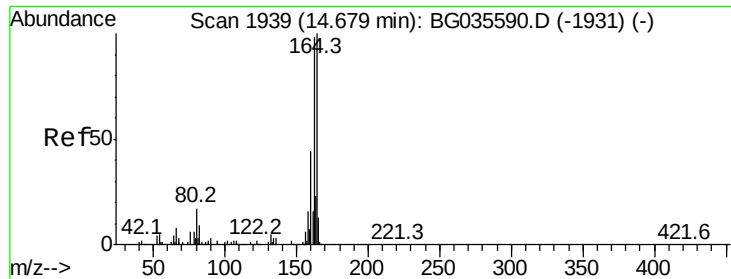
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#37
 2-Methylnaphthalene
 Concen: 45.914 ng
 RT: 12.51 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.1	100.7
115	48.1	30.7	46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampled :

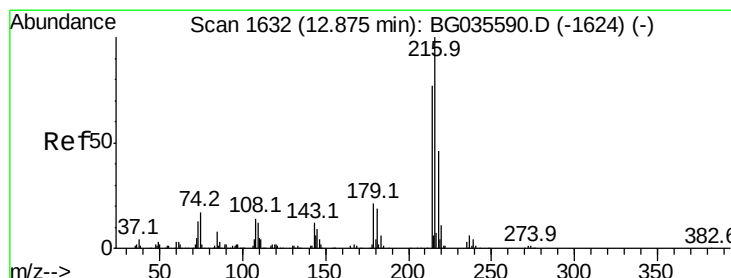
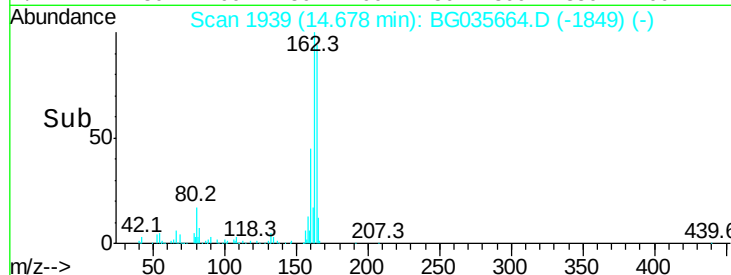
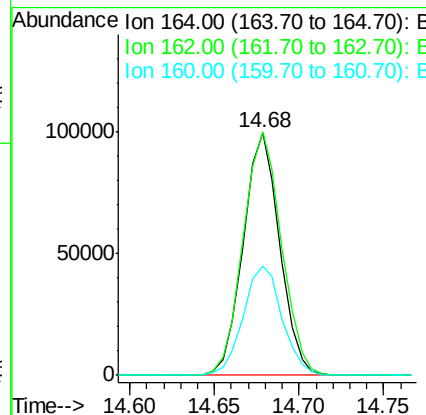
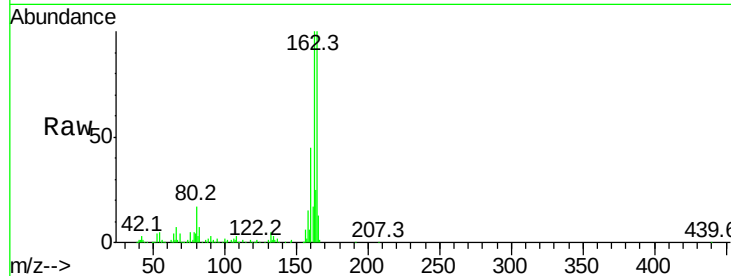
LS-SOIL-1MS

Tot Ion:	164	Resp:	148938
Ion Ratio	Lower	Upper	
164	100		
162	100.3	78.8	118.2
160	44.8	35.4	53.0

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.543 ng

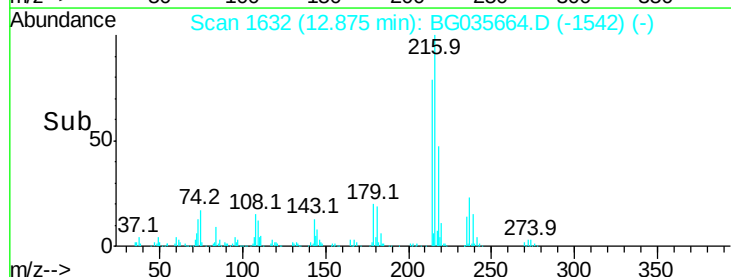
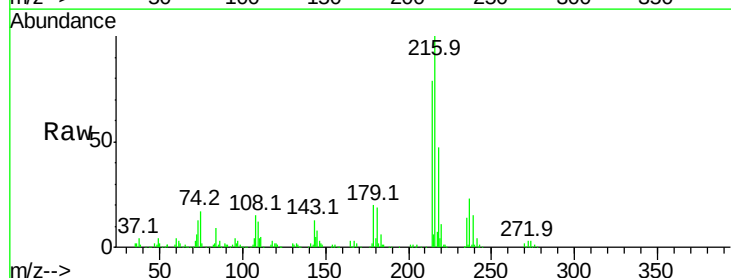
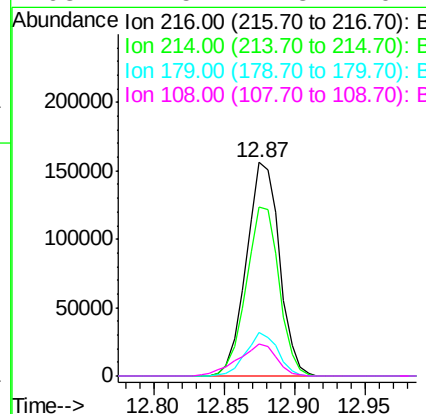
RT: 12.87 min Scan# 1632

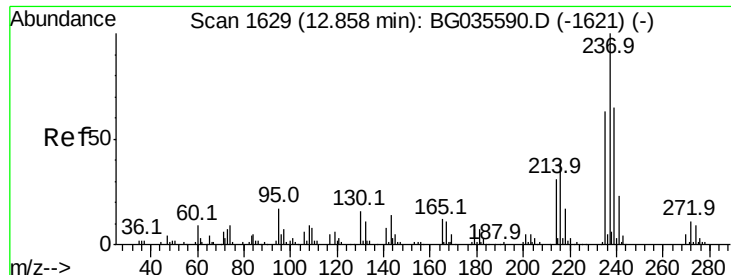
Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	216	Resp:	256019
Ion Ratio	Lower	Upper	
216	100		
214	78.7	63.0	94.4
179	19.7	17.0	25.6
108	17.5	12.8	19.2





#40

Hexachlorocyclopentadiene

Concen: 110.835 ng

RT: 12.86 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampled :

LS-SOIL-1MS

Tot Ion:237 Resp: 326754

Ion Ratio Lower Upper

237 100

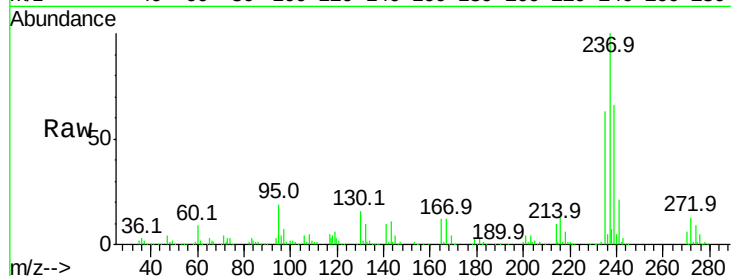
235 63.1 50.4 90.4

272 13.0 0.0 31.8

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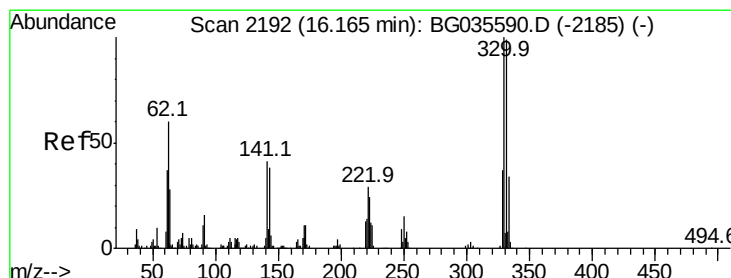
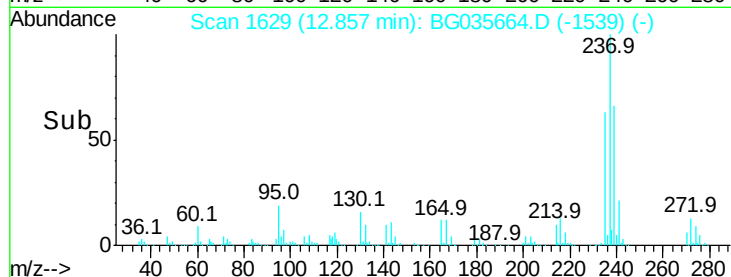
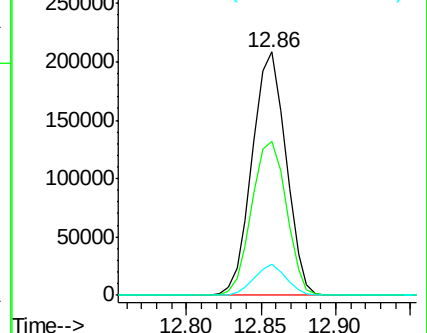
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Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 167.529 ng

RT: 16.17 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

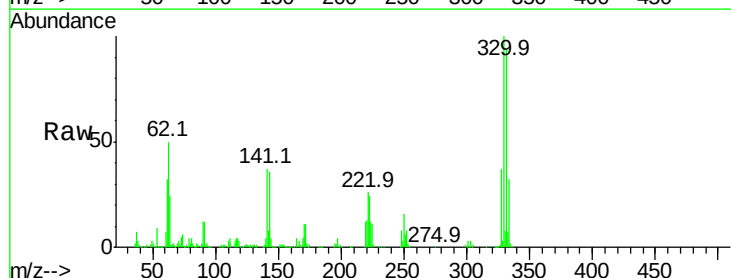
Tgt Ion:330 Resp: 328875

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

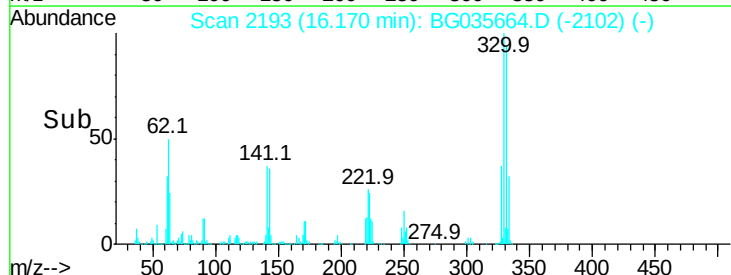
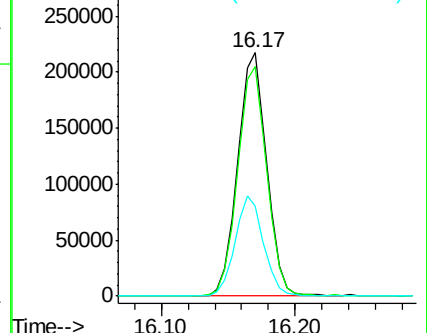
141 40.5 25.2 37.8#

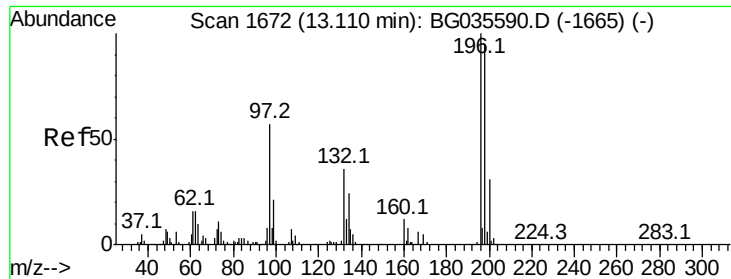


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 51.505 ng

RT: 13.12 min Scan# 1673

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampled :

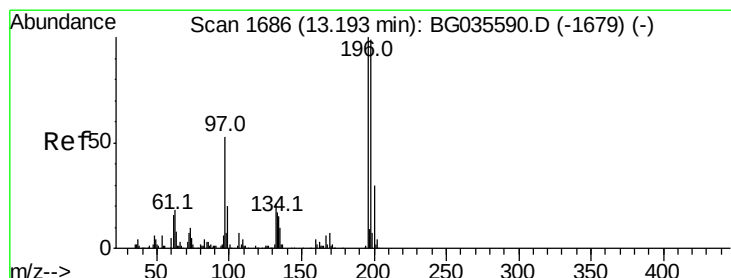
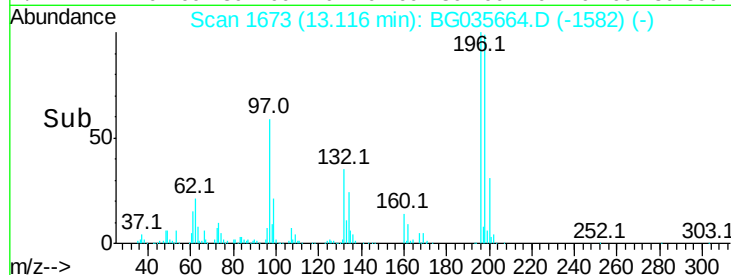
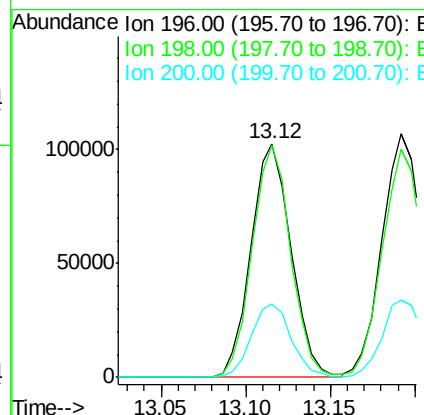
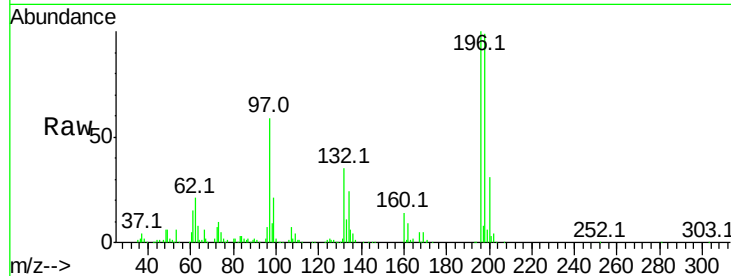
LS-SOIL-1MS

Tot Ion:196	Resp:	169318
Ion Ratio	Lower	Upper
196	100	
198	99.4	78.2 117.2
200	31.3	24.6 36.8

Manual Integrations
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#43

2,4,5-Trichlorophenol

Concen: 49.982 ng

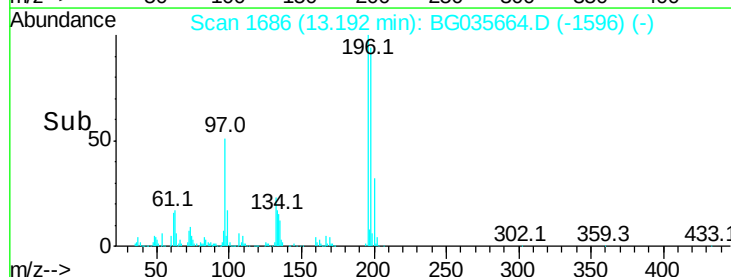
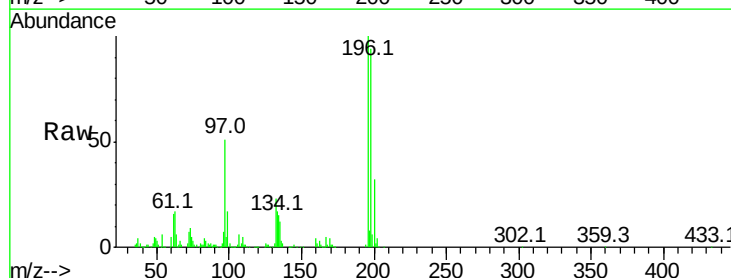
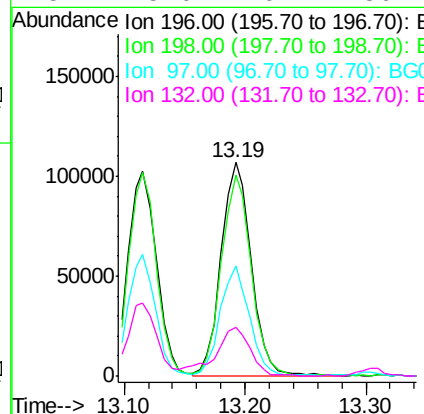
RT: 13.19 min Scan# 1686

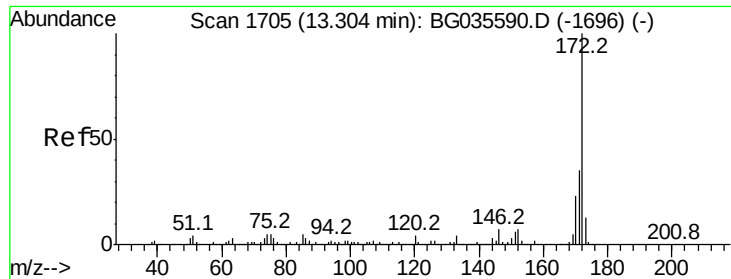
Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:196	Resp:	183817
Ion Ratio	Lower	Upper
196	100	
198	94.0	76.2 114.4
97	51.3	38.7 58.1
132	23.0	20.2 30.2





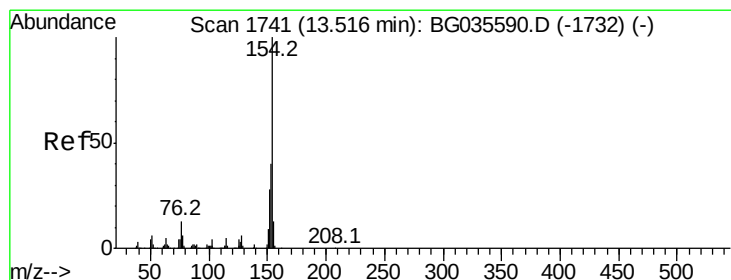
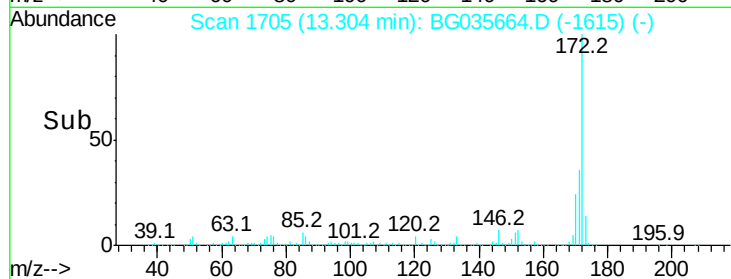
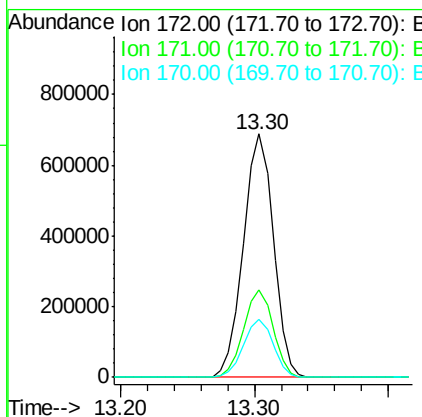
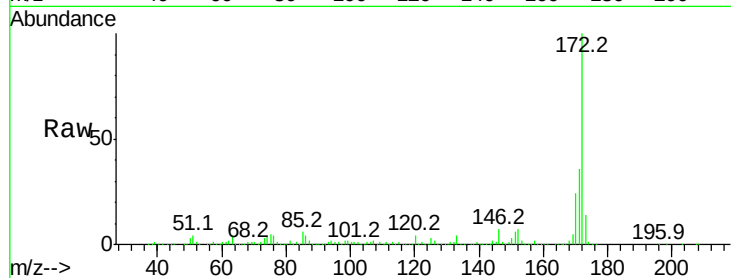
#44
2-Fluorobiphenyl
Concen: 96.010 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.0	45.0
170	23.9	19.5	29.3

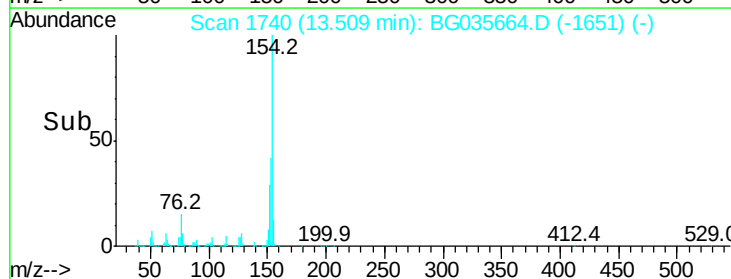
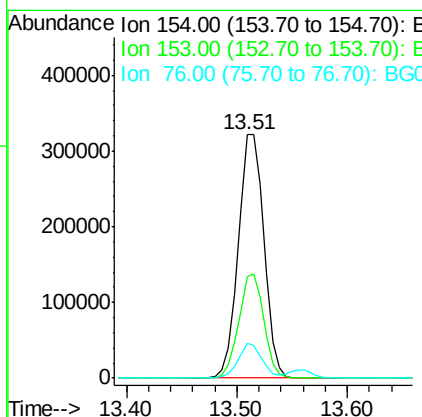
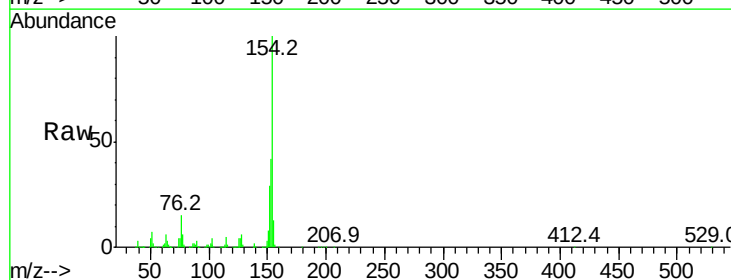
Manual Integrations
APPROVED

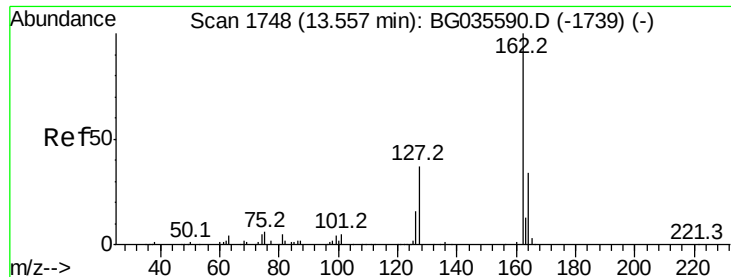
Sohil
7/17/2018 4:57:14 PM



#45
1,1'-Biphenyl
Concen: 45.490 ng
RT: 13.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	19.8	59.8
76	14.5	0.0	31.9





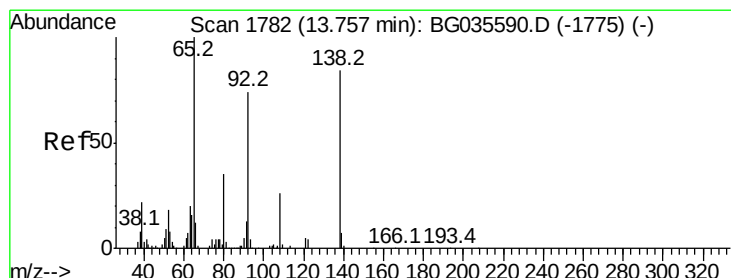
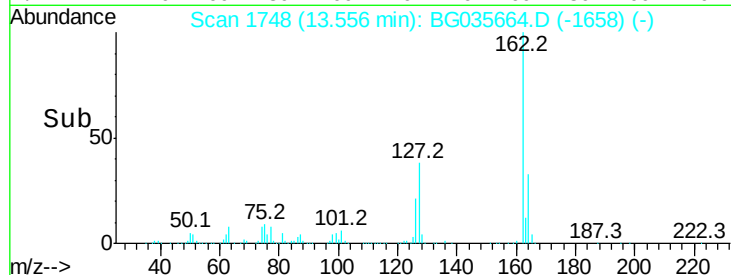
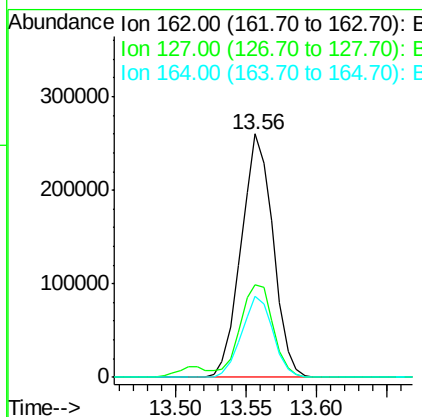
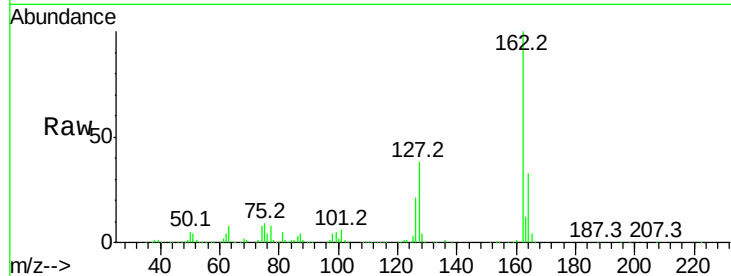
#46
2-Chloronaphthalene
Concen: 45.800 ng
RT: 13.56 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.2	30.7	46.1
164	33.3	26.0	39.0

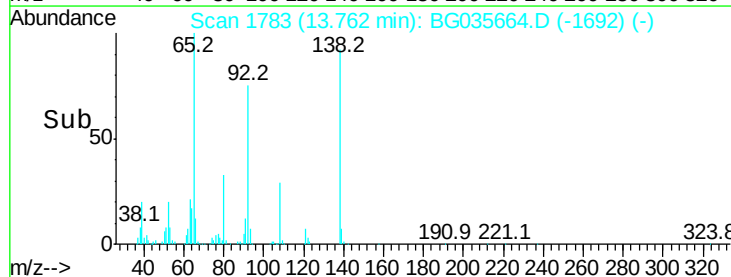
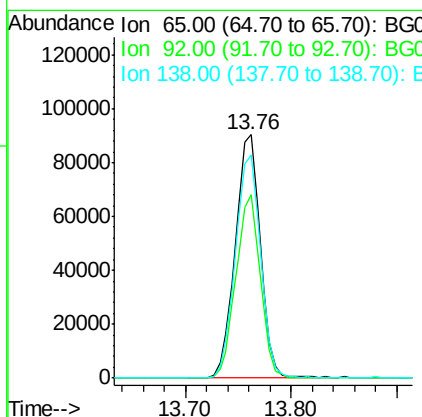
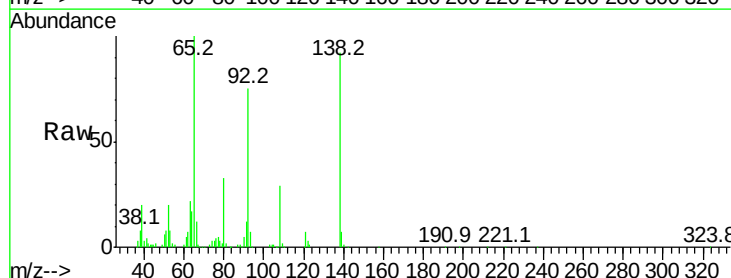
Manual Integrations
APPROVED

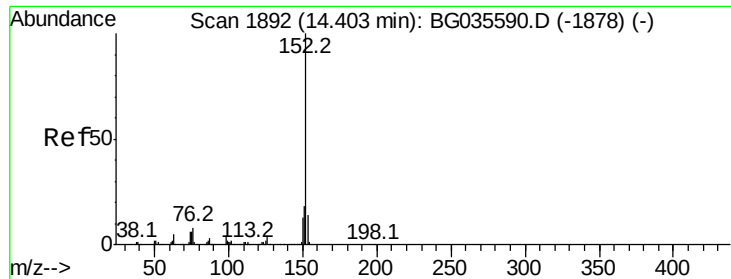
Sohil
7/17/2018 4:57:14 PM



#47
2-Nitroaniline
Concen: 46.443 ng
RT: 13.76 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.1	54.6	82.0
138	91.9	72.9	109.3





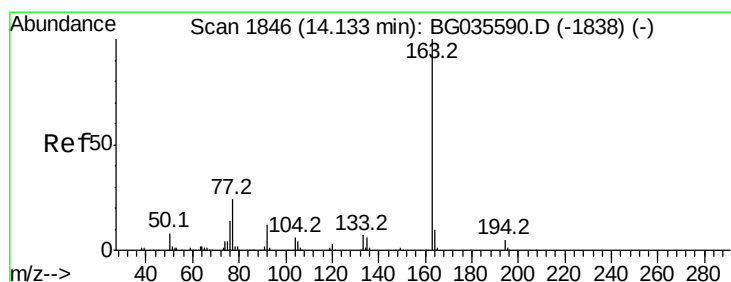
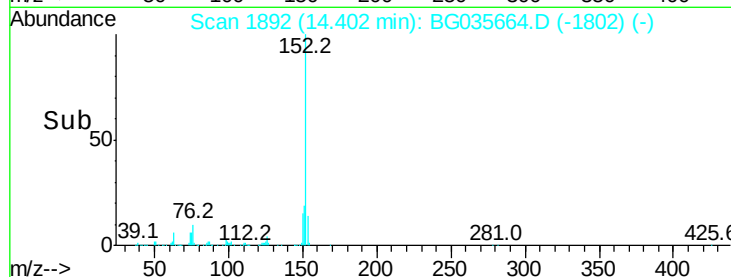
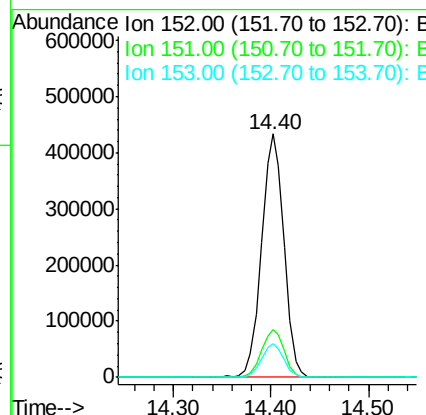
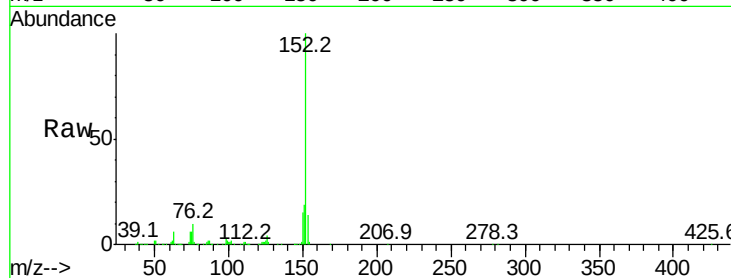
#48
Acenaphthylene
Concen: 46.294 ng
RT: 14.40 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.2	25.8
153	13.6	10.2	15.4

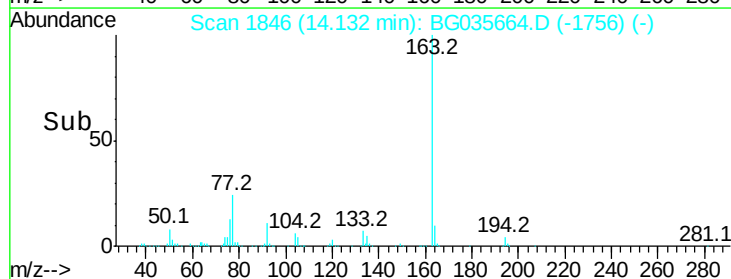
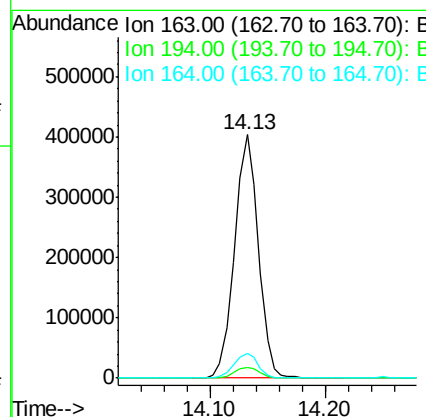
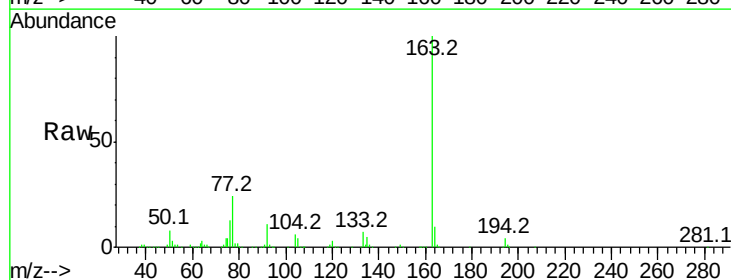
Manual Integrations
APPROVED

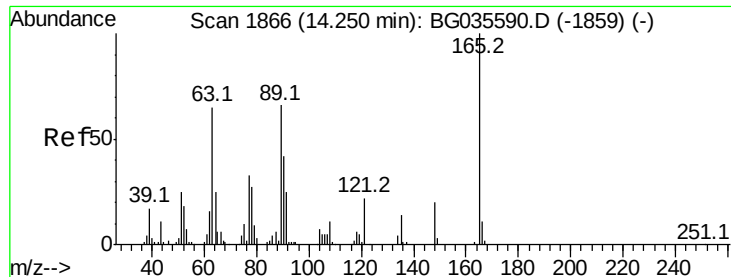
Sohil
7/17/2018 4:57:14 PM



#49
Dimethylphthalate
Concen: 43.962 ng
RT: 14.13 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.2	12.4





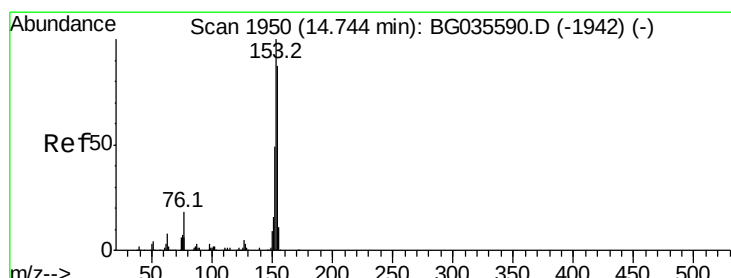
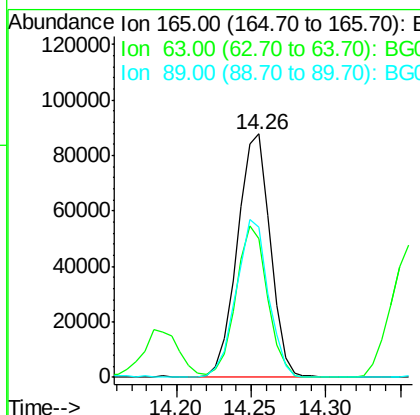
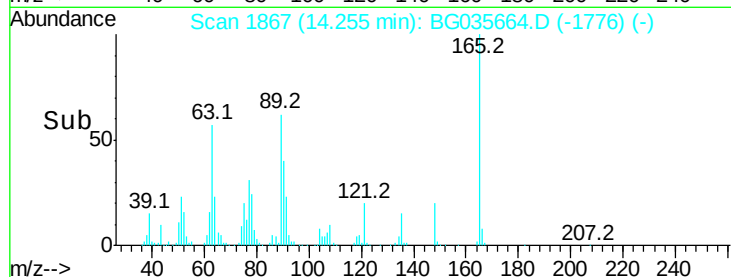
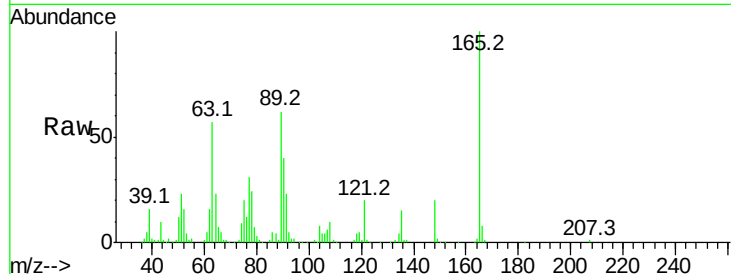
#50
 2,6-Dinitrotoluene
 Concen: 50.560 ng
 RT: 14.26 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	57.2	52.7	79.1
89	61.5	49.2	73.8

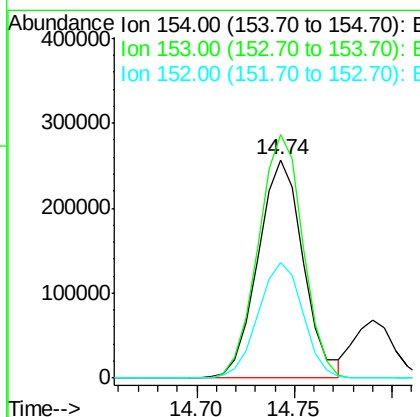
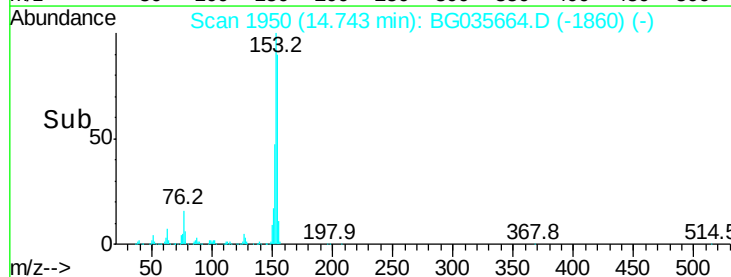
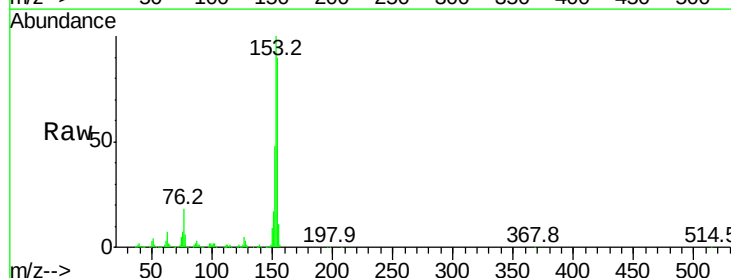
Manual Integrations
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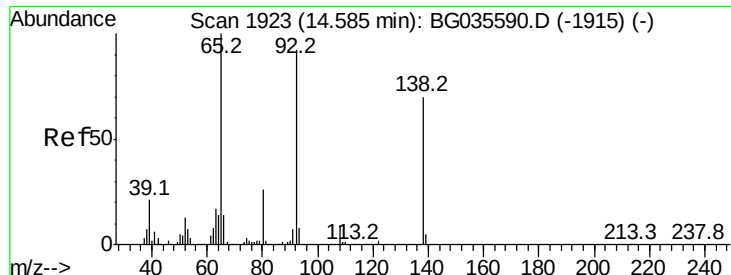
Sohil
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#51
 Acenaphthene
 Concen: 43.915 ng
 RT: 14.74 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.4	135.6
152	53.0	41.6	62.4





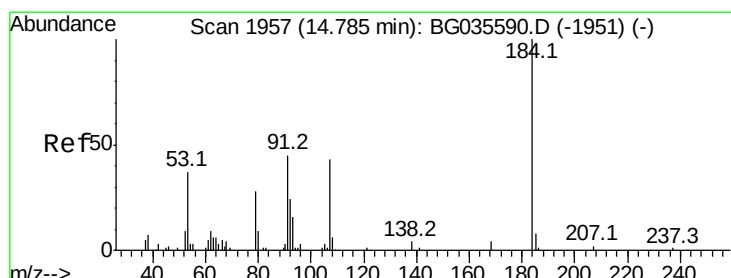
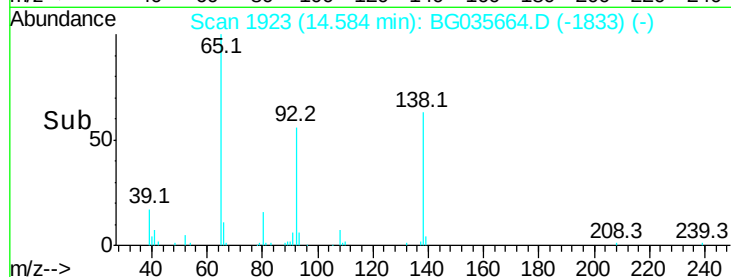
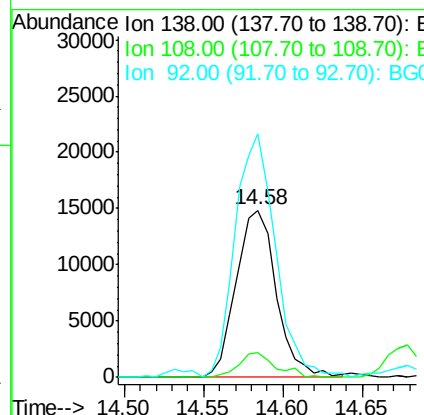
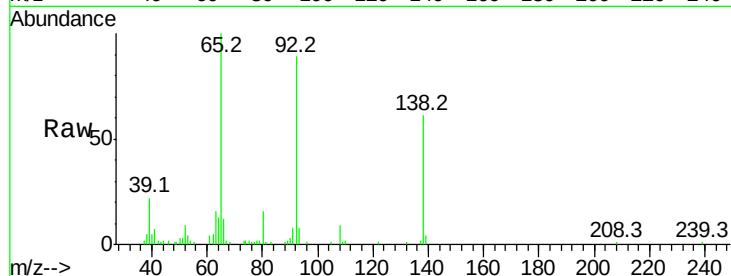
#52
3-Nitroaniline
Concen: 9.673 ng
RT: 14.58 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	14.6	17.5	26.3#
92	145.8	105.8	158.8

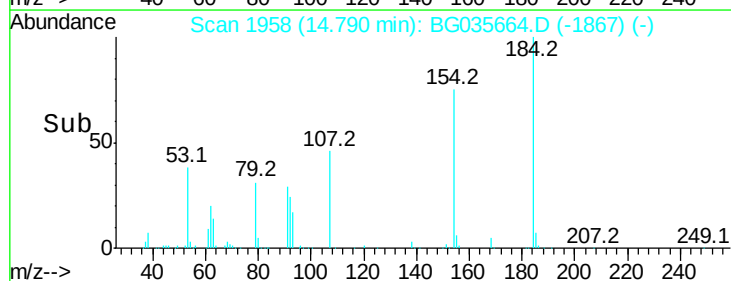
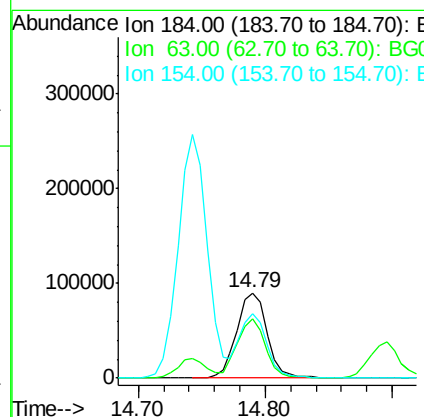
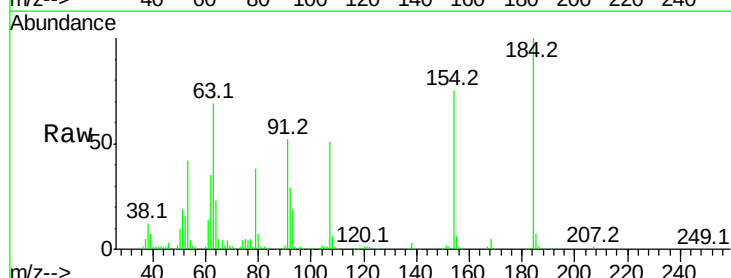
Manual Integrations
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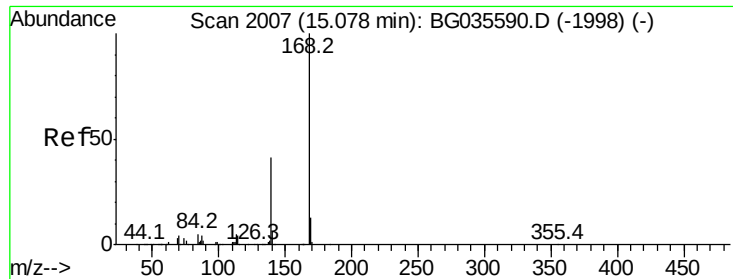
Sohil
7/17/2018 4:57:14 PM



#53
2,4-Dinitrophenol
Concen: 107.143 ng
RT: 14.79 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.4	59.8	89.8
154	75.2	101.8	152.8#





#54

Dibenzenofuran

Concen: 44.982 ng

RT: 15.08 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

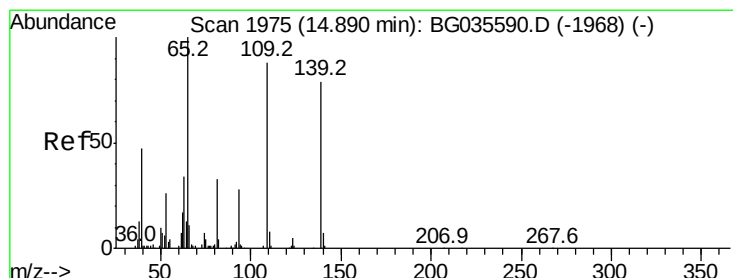
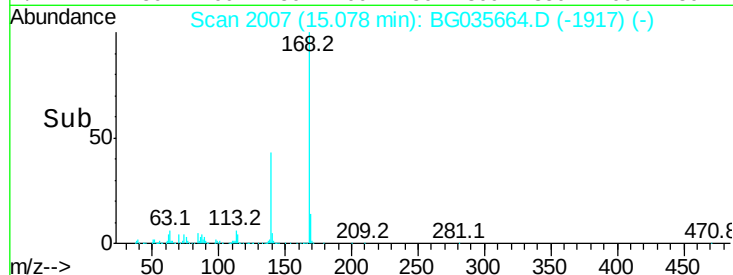
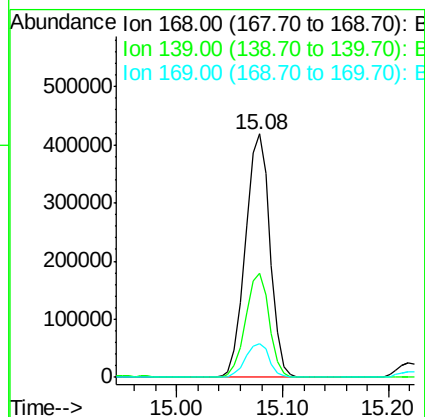
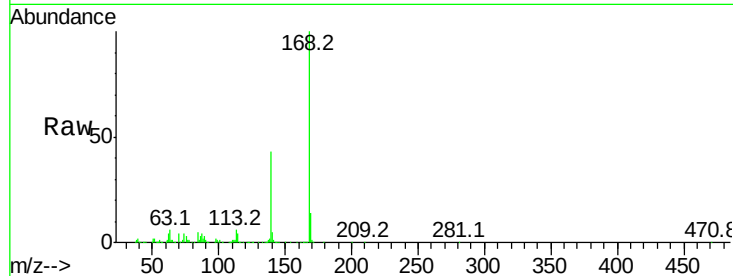
ClientSampled :

LS-SOIL-1MS

Tot Ion:	168	Resp:	670494
Ion Ratio	Lower	Upper	
168	100		
139	42.5	28.6	43.0
169	13.7	11.2	16.8

Manual Integrations
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Sohil
7/17/2018 4:57:14 PM



#55

4-Nitrophenol

Concen: 89.189 ng

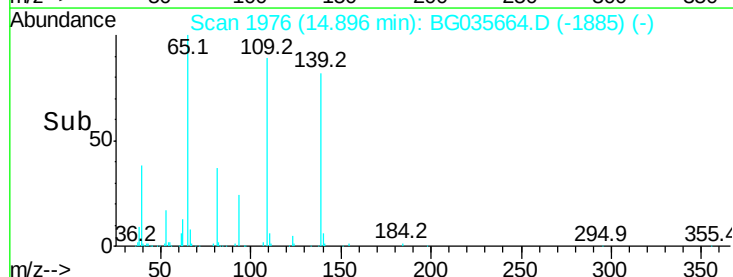
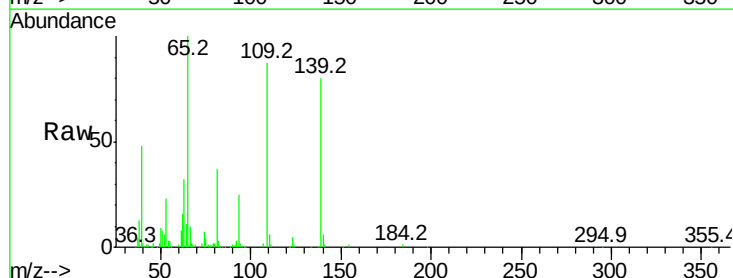
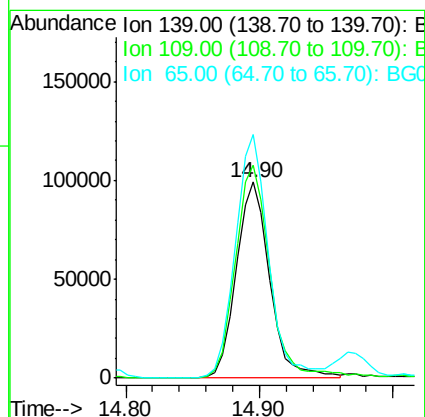
RT: 14.90 min Scan# 1976

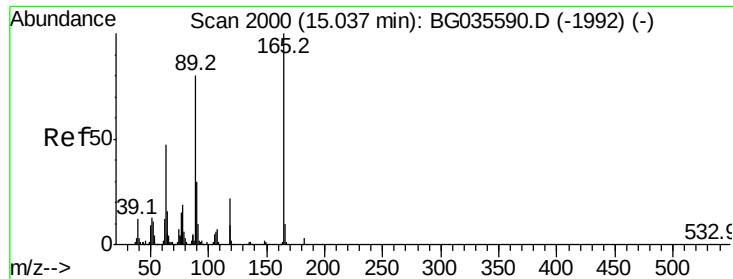
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	139	Resp:	172509
Ion Ratio	Lower	Upper	
139	100		
109	108.4	62.2	102.2#
65	124.2	97.2	137.2





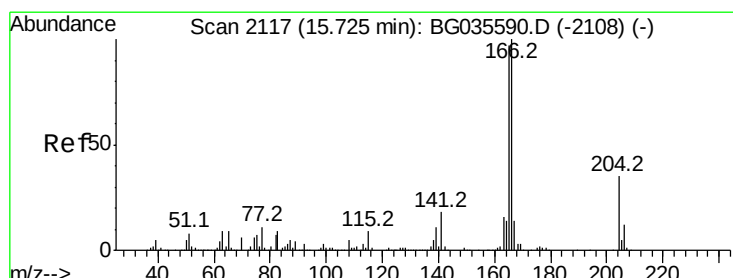
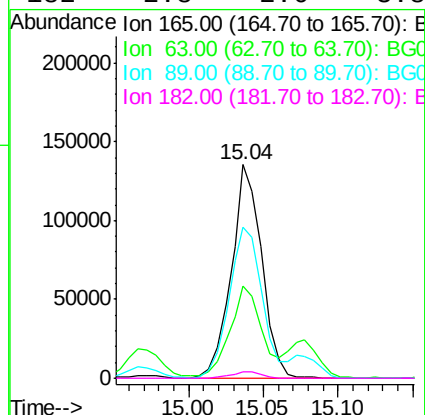
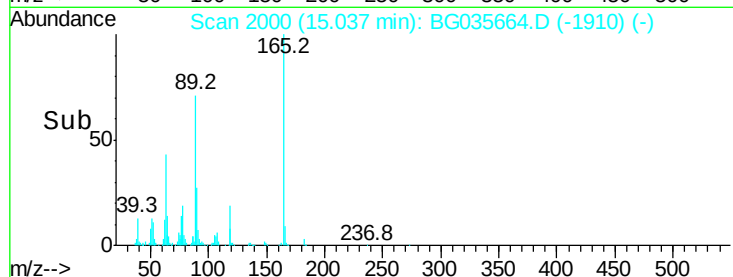
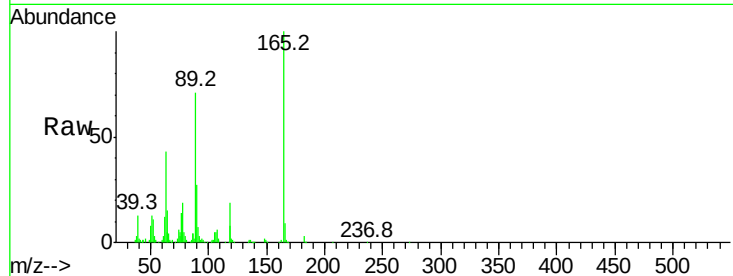
#56
2,4-Dinitrotoluene
Concen: 50.357 ng
RT: 15.04 min Scan# 2000
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.0	42.0	63.0
89	71.0	66.9	100.3
182	2.8	2.6	3.8

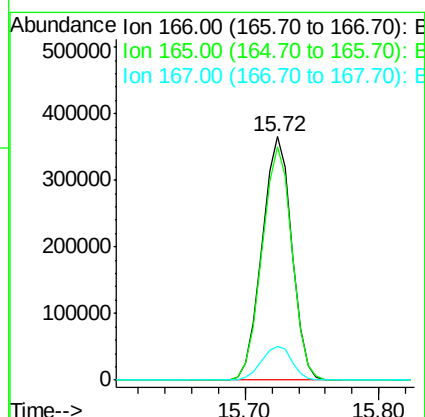
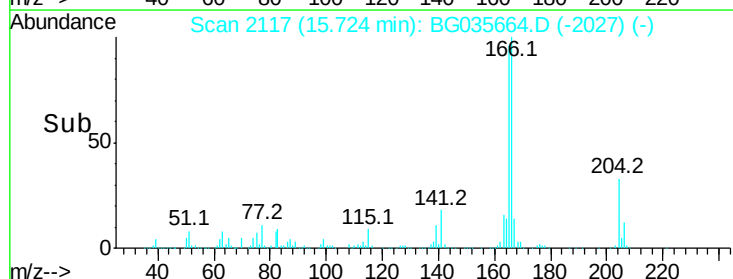
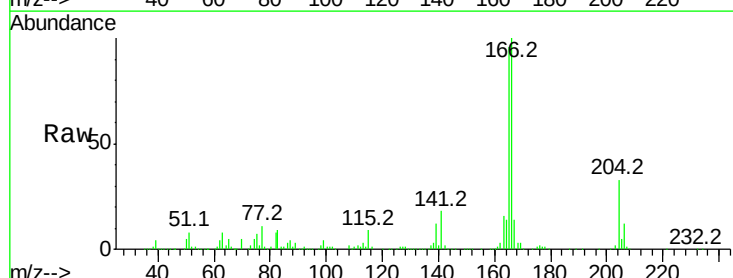
Manual Integrations
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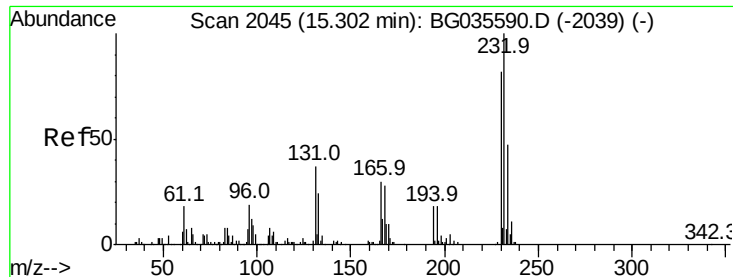
Sohil
7/17/2018 4:57:14 PM



#57
Fluorene
Concen: 44.863 ng
RT: 15.72 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	80.6	121.0
167	14.1	10.4	15.6





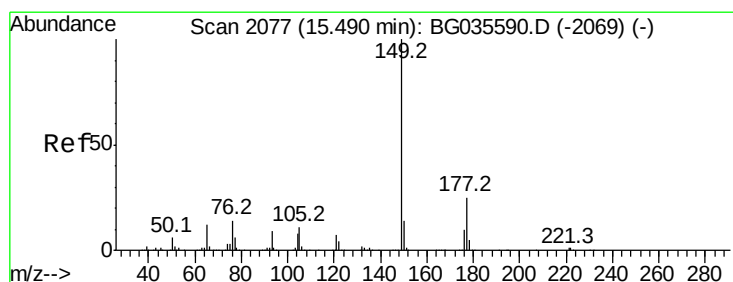
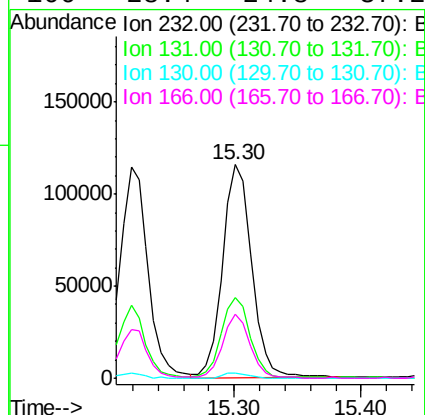
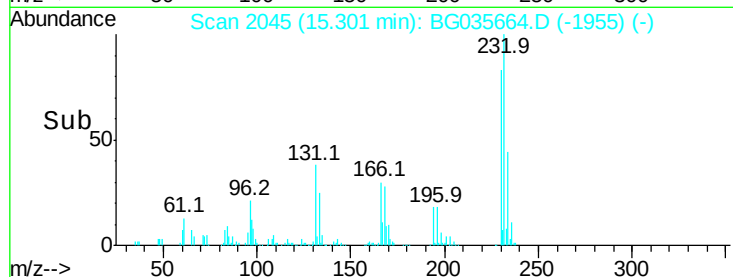
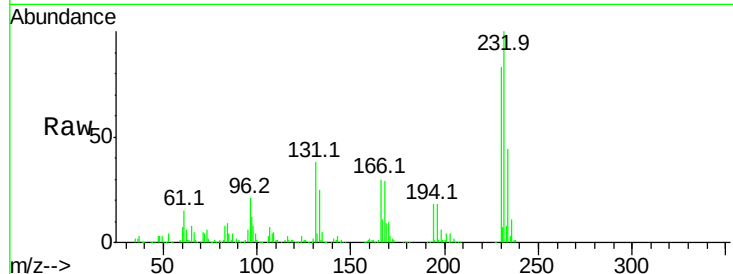
#58
2,3,4,6-Tetrachlorophenol
Concen: 52.160 ng
RT: 15.30 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	183923		
131	37.9		33.5	50.3
130	2.3		2.2	3.2
166	28.4		24.8	37.2

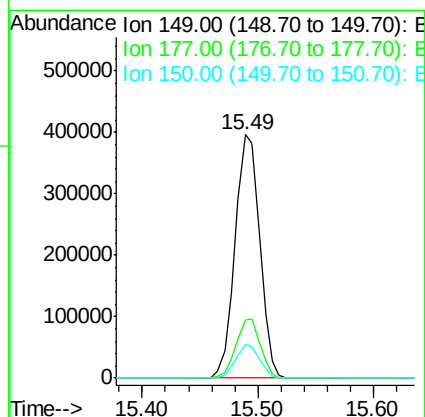
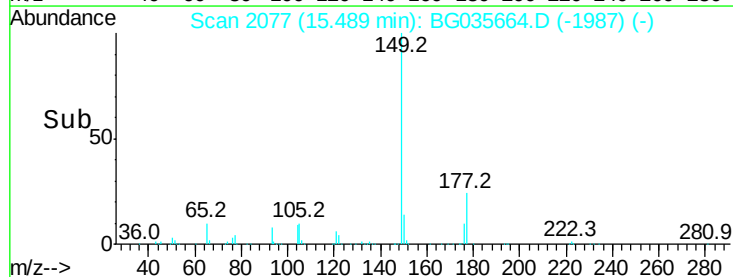
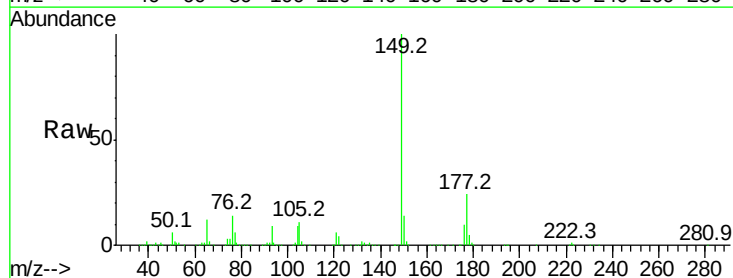
Manual Integrations
APPROVED

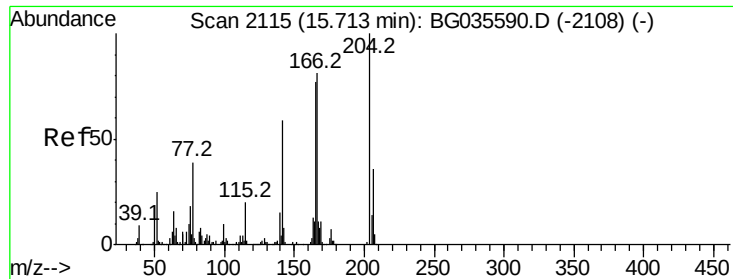
Sohil
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#59
Diethylphthalate
Concen: 43.532 ng
RT: 15.49 min Scan# 2077
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	584115		
177	24.0		18.5	27.7
150	13.7		10.2	15.2





#60

4-Chlorophenyl-phenylether

Concen: 44.173 ng

RT: 15.71 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

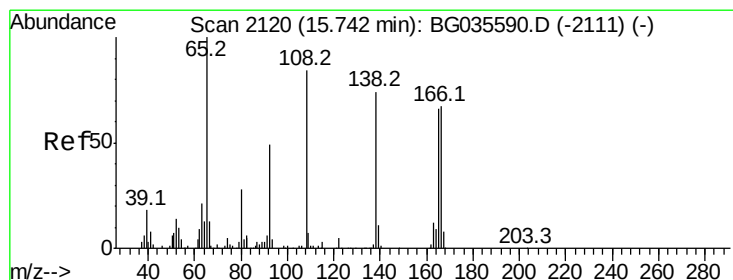
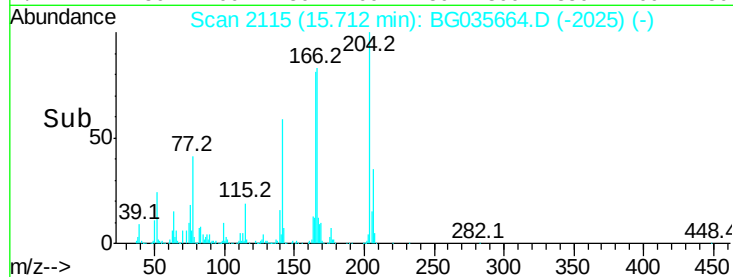
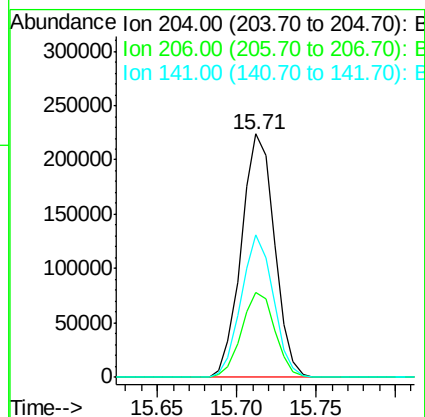
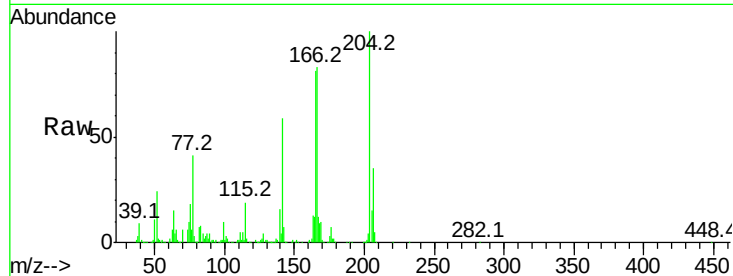
ClientSampleId :

LS-SOIL-1MS

Tot Ion:	204	Resp:	324352
Ion Ratio	Lower	Upper	
204	100		
206	34.9	26.2	39.2
141	58.7	45.8	68.6

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#61

4-Nitroaniline

Concen: 41.455 ng

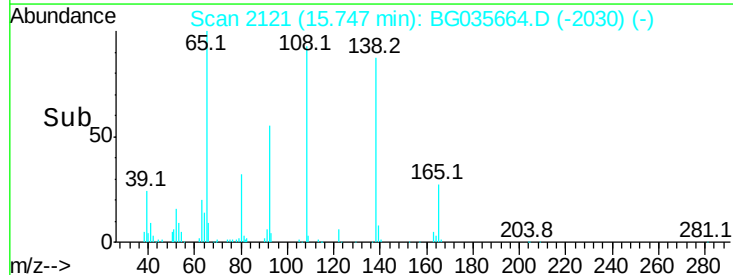
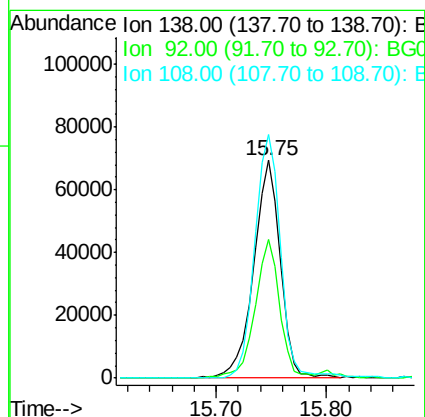
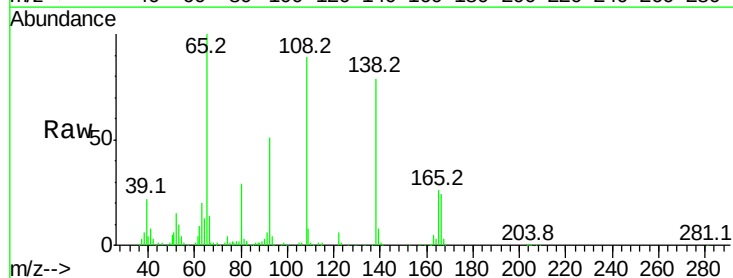
RT: 15.75 min Scan# 2121

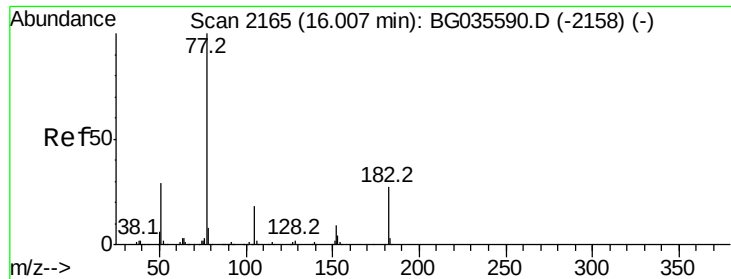
Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	138	Resp:	117772
Ion Ratio	Lower	Upper	
138	100		
92	63.8	40.1	80.1
108	111.7	65.4	105.4#





#62

Azobenzene

Concen: 45.803 ng

RT: 16.01 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

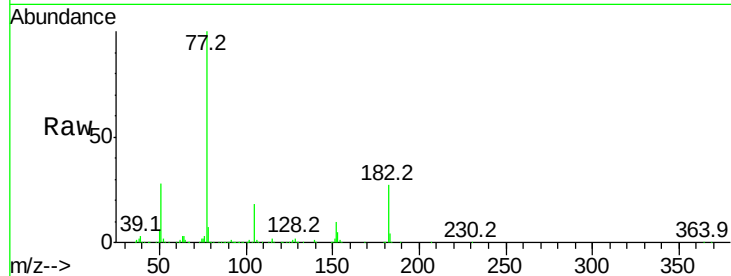
LS-SOIL-1MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.9	7.4	47.4	
105	18.4	0.3	40.3	
51	27.6	11.6	51.6	

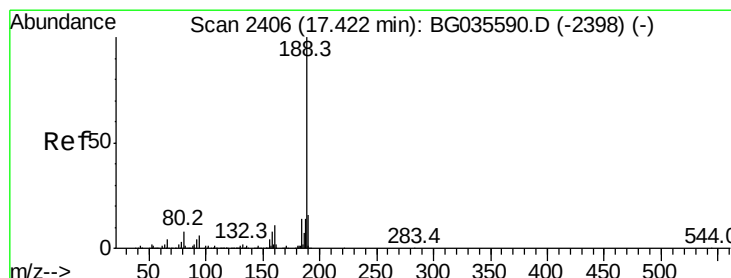
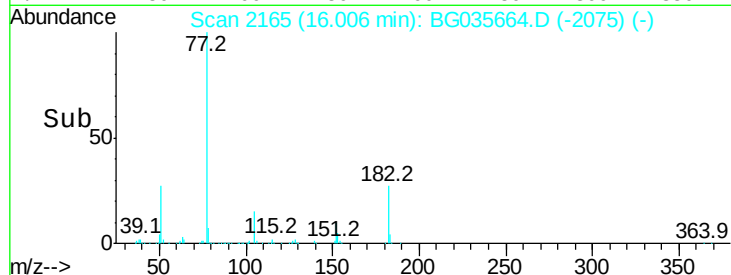
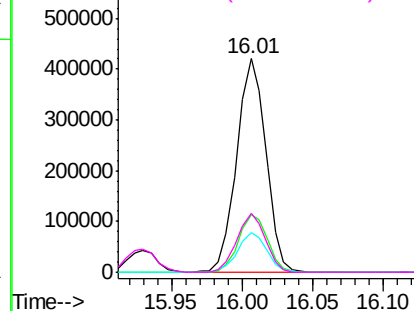
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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

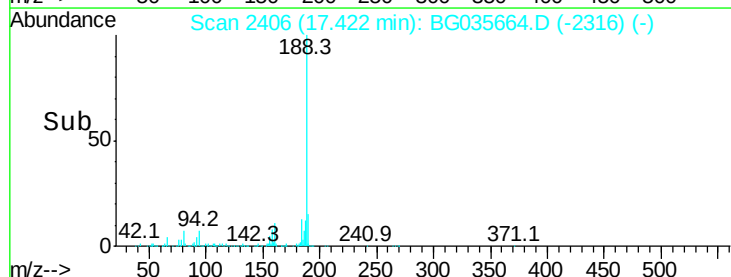
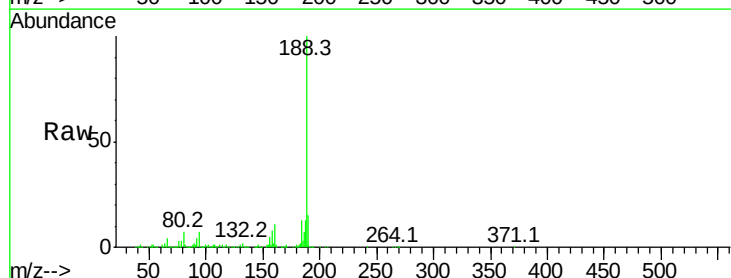
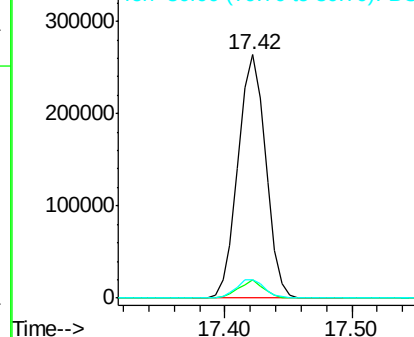
Delta R.T. -0.00 min

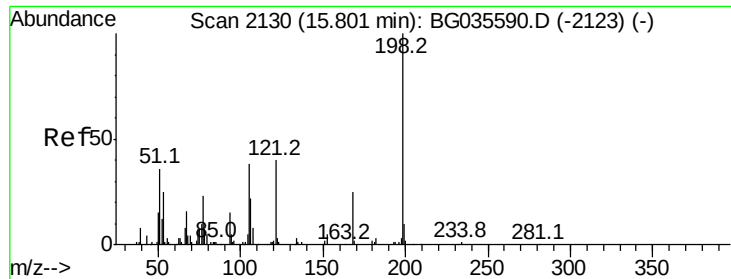
Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	7.4	6.9	10.3	
80	7.5	7.7	11.5#	

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





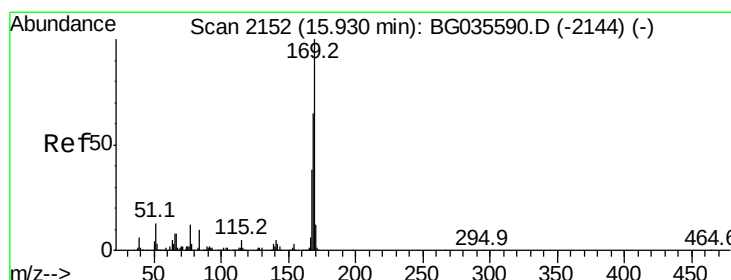
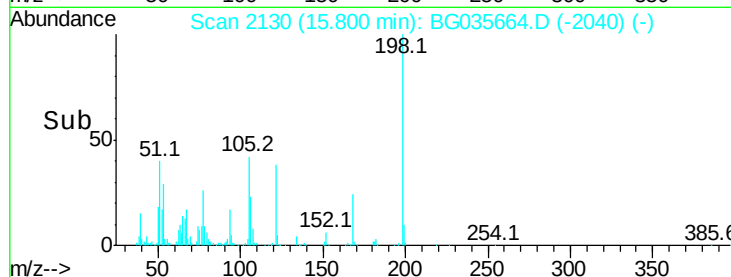
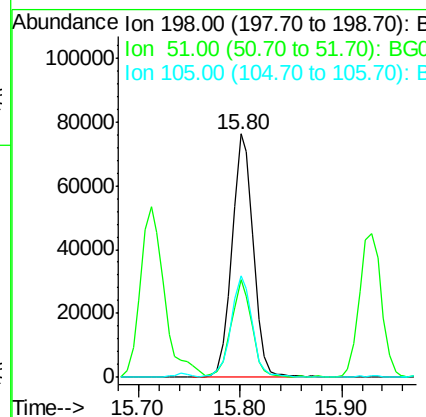
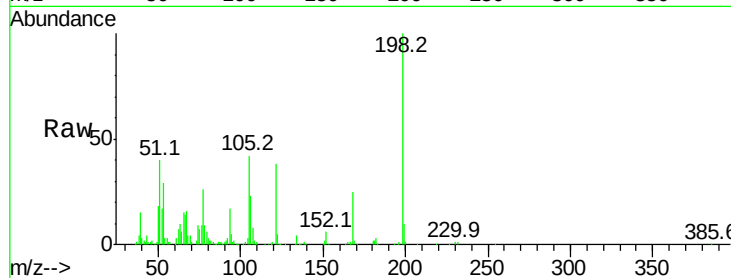
#64
4,6-Dinitro-2-methylphenol
Concen: 49.901 ng
RT: 15.80 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampled :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.1	30.6	70.6
105	41.9	23.8	63.8

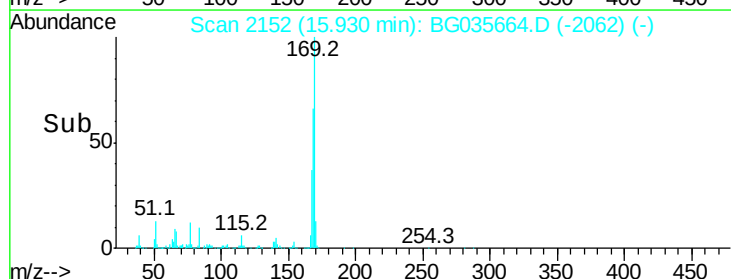
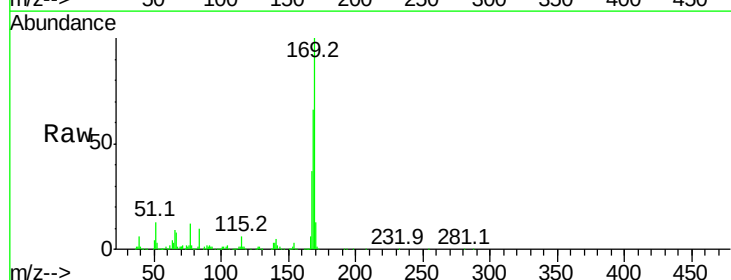
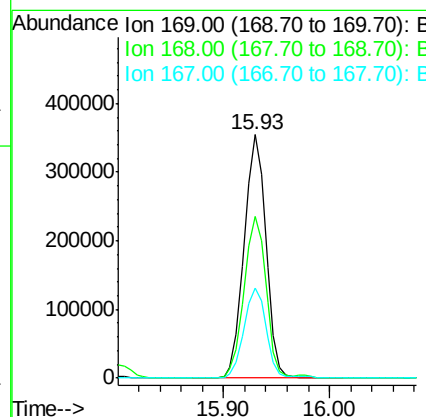
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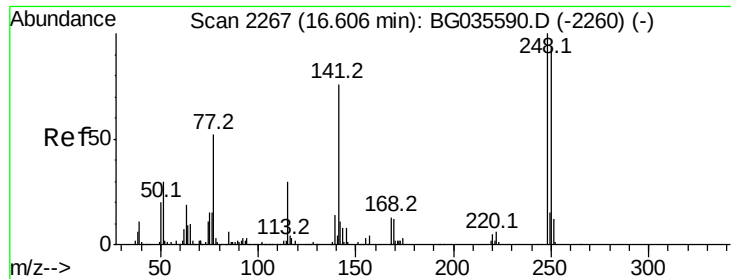
Sohil
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#65
n-Nitrosodiphenylamine
Concen: 44.396 ng
RT: 15.93 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	55.7	83.5
167	36.8	30.1	45.1





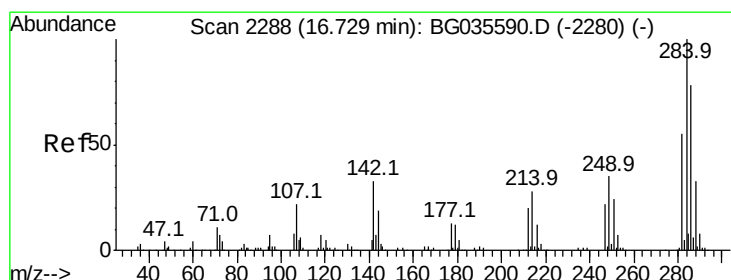
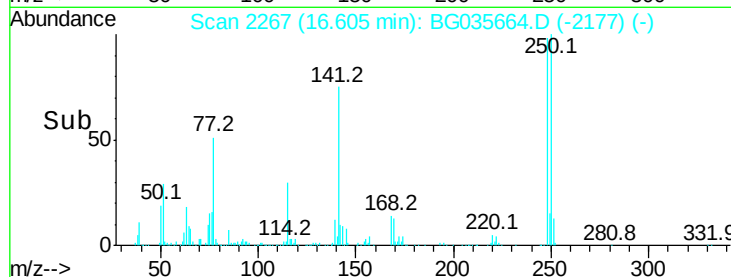
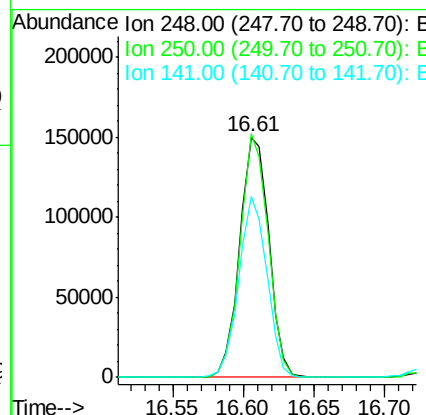
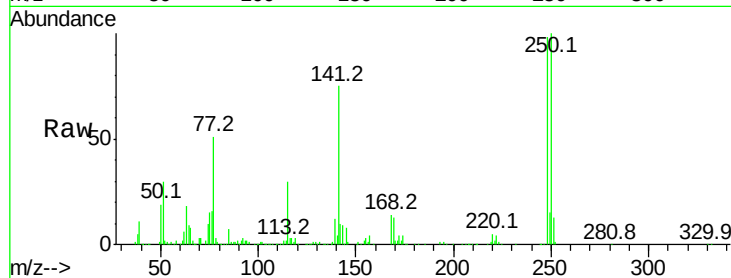
#66
4-Bromophenyl-phenylether
Concen: 46.807 ng
RT: 16.61 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.1	115.7
141	75.7	50.8	76.2

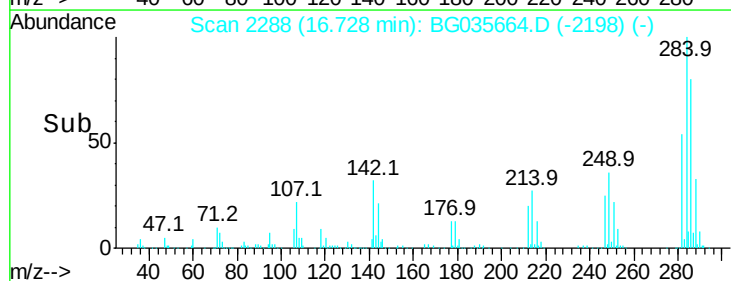
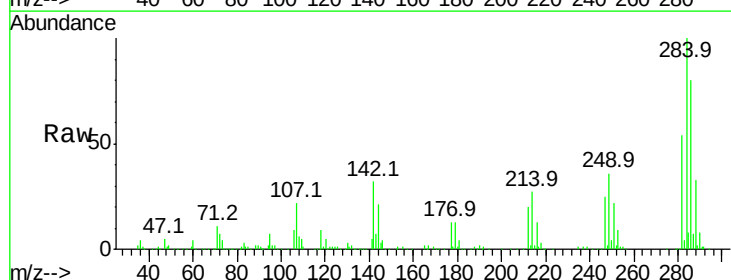
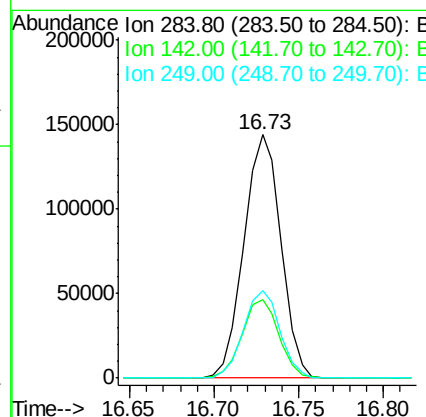
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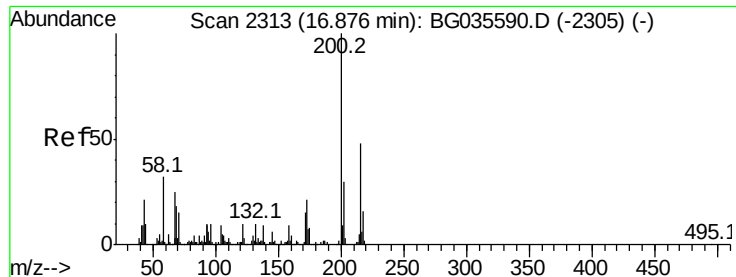
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#67
Hexachlorobenzene
Concen: 46.040 ng
RT: 16.73 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.3	26.8	40.2
249	36.0	26.3	39.5





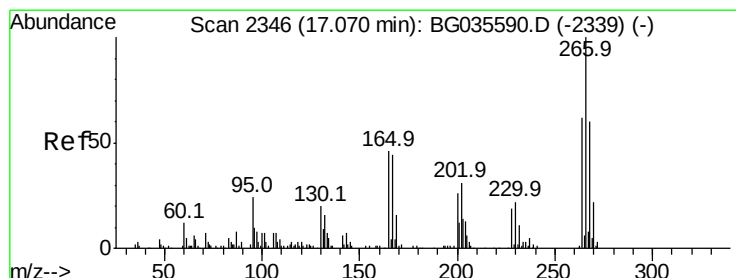
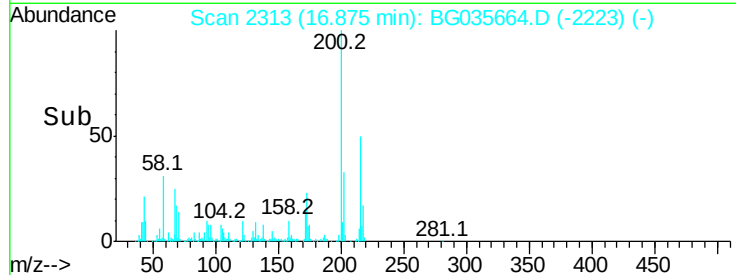
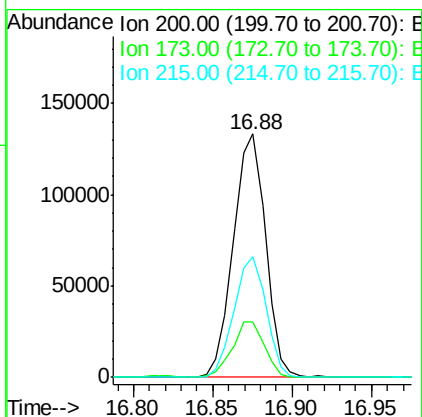
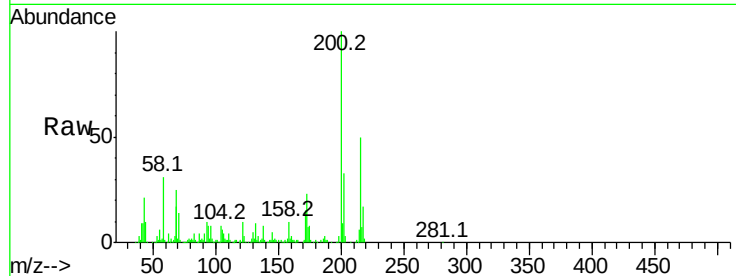
#68
Atrazine
Concen: 40.266 ng
RT: 16.88 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	22.6	5.2	45.2
215	49.5	30.4	70.4

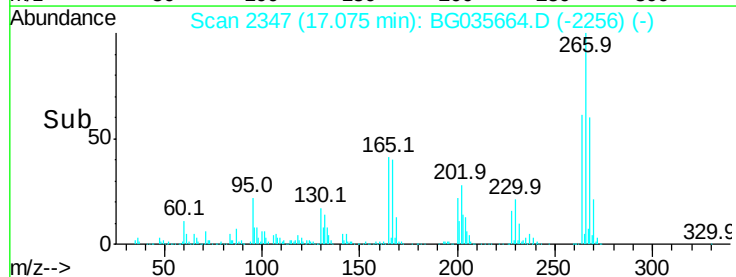
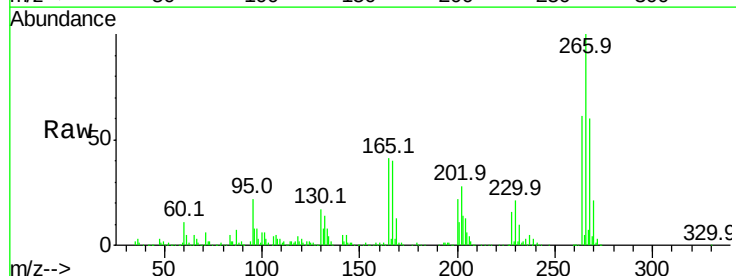
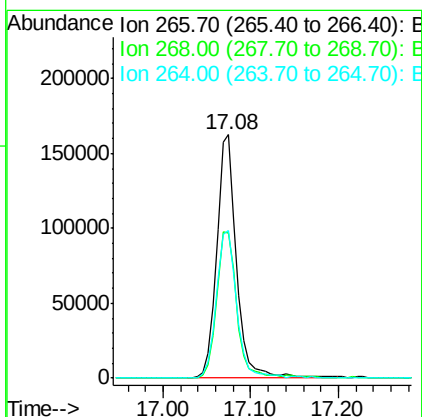
Manual Integrations
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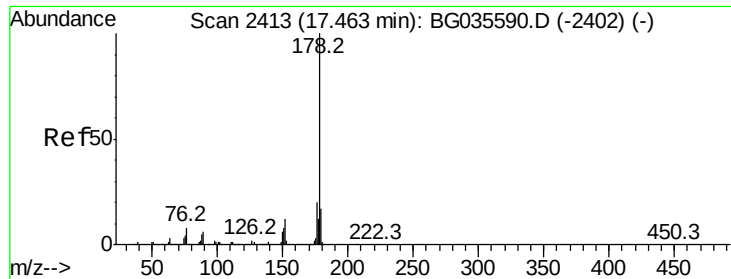
Sohil
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#69
Pentachlorophenol
Concen: 87.695 ng
RT: 17.08 min Scan# 2347
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	59.5	51.1	76.7
264	60.7	49.6	74.4





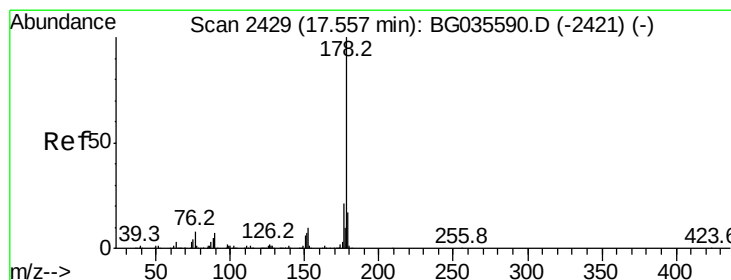
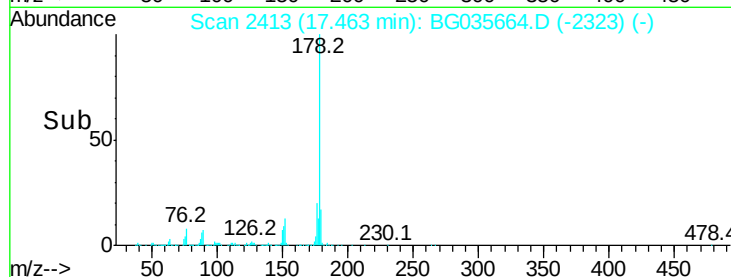
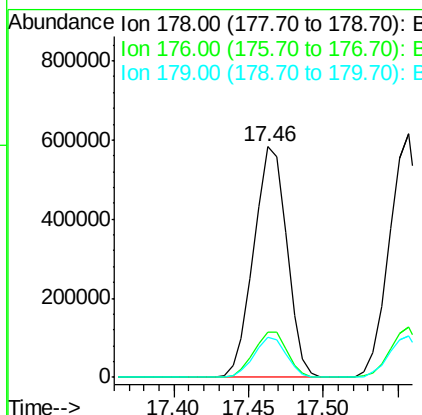
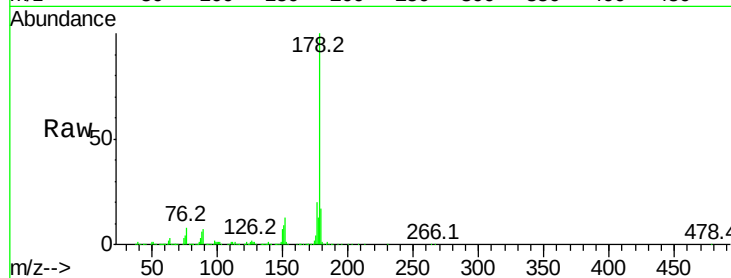
#70
Phenanthrene
Concen: 45.022 ng
RT: 17.46 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	17.3	12.5	18.7

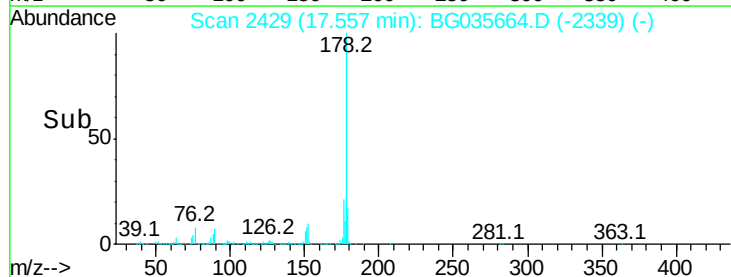
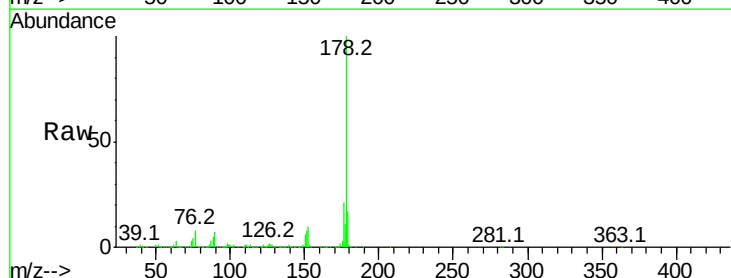
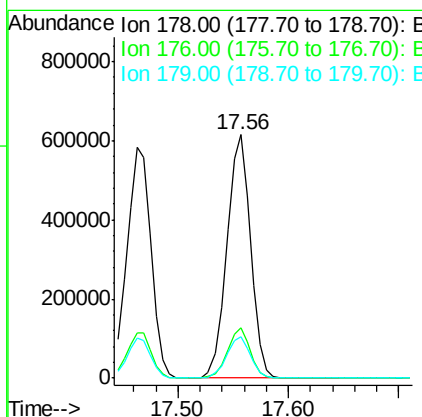
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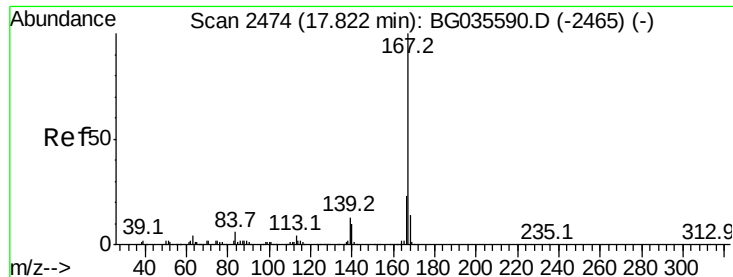
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#71
Anthracene
Concen: 46.546 ng
RT: 17.56 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.0	24.0
179	17.1	12.5	18.7





#72

Carbazole

Concen: 44.056 ng

RT: 17.82 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

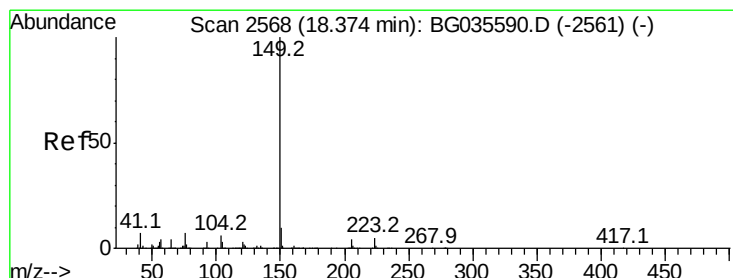
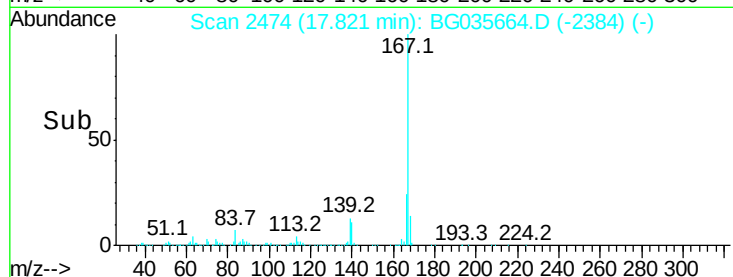
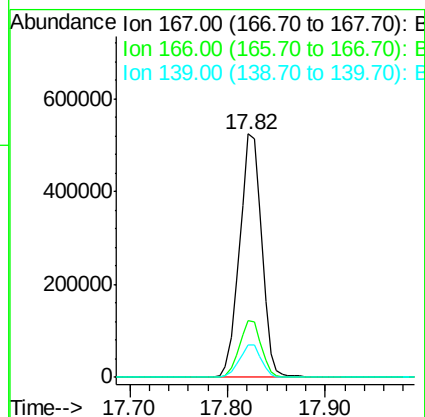
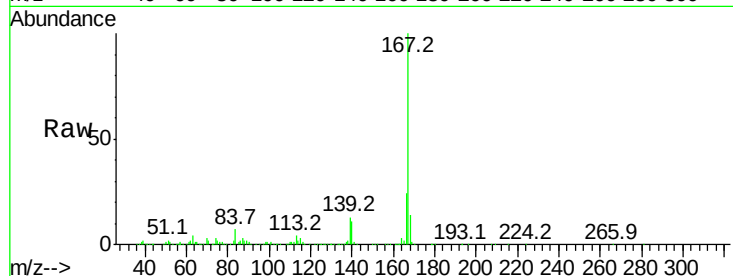
ClientSampleId :

LS-SOIL-1MS

Tot Ion:	167	Resp:	828796
Ion Ratio	Lower	Upper	
167	100		
166	23.6	18.2	27.4
139	13.4	9.4	14.2

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#73

Di-n-butylphthalate

Concen: 43.203 ng

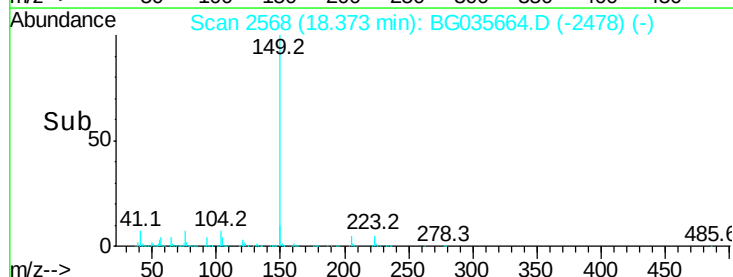
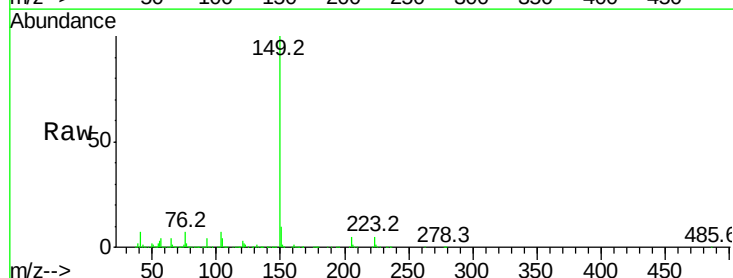
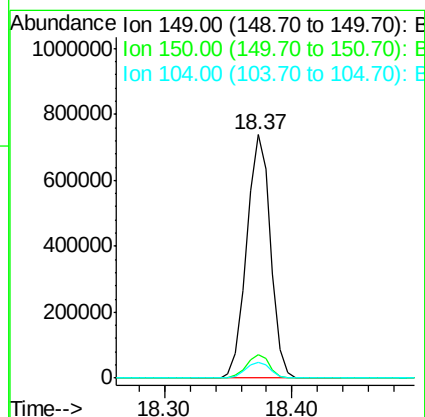
RT: 18.37 min Scan# 2568

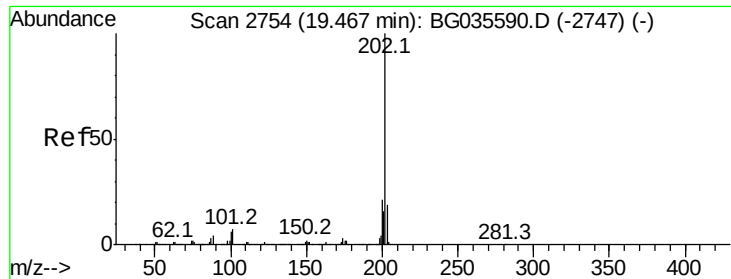
Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:	149	Resp:	960448
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	6.5	3.9	5.9





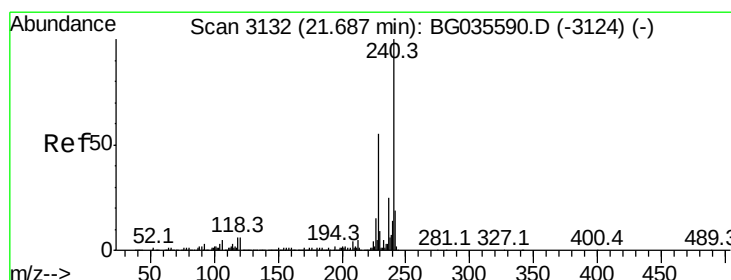
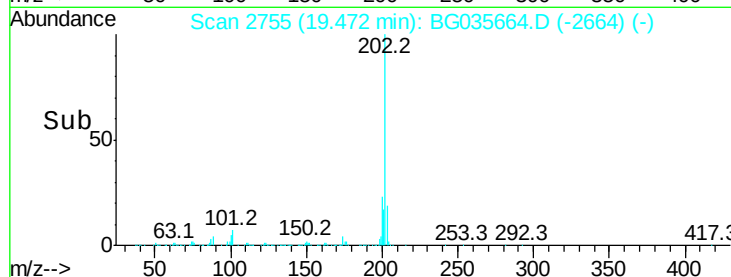
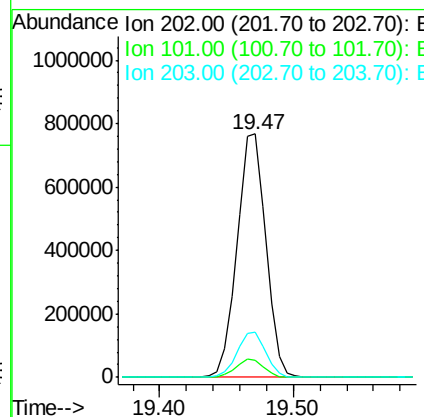
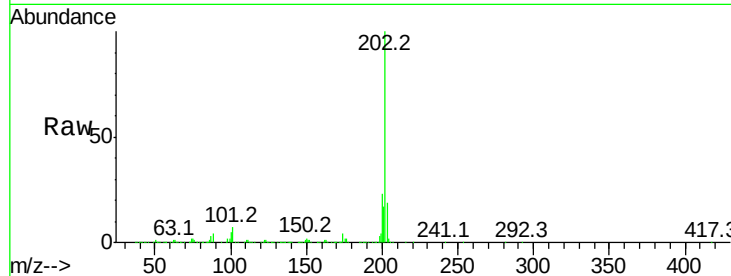
#74
 Fluoranthene
 Concen: 42.946 ng
 RT: 19.47 min Scan# 2755
 Delta R.T. 0.01 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	28.9
203	18.7	0.0	37.5

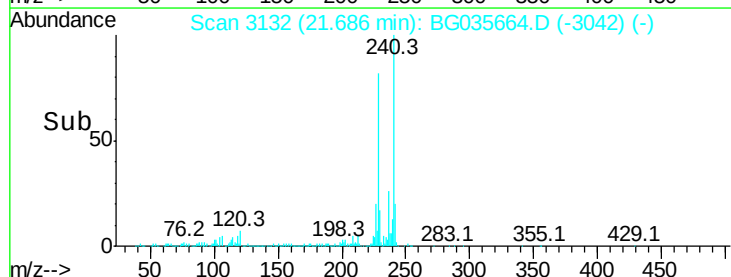
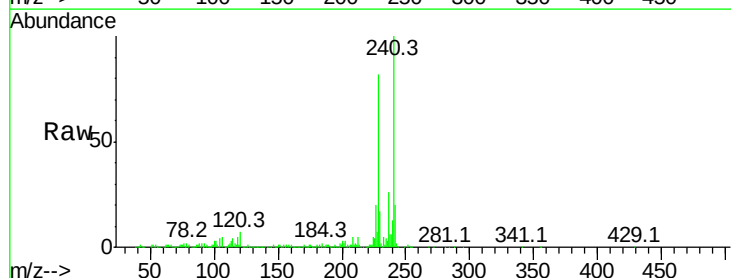
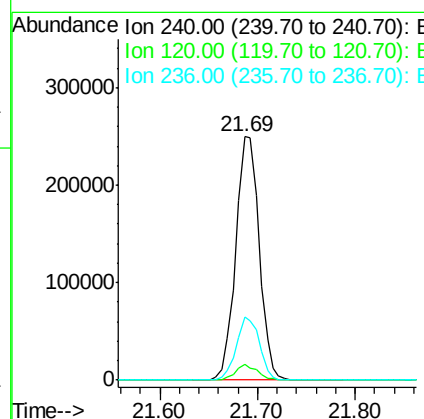
Manual Integrations
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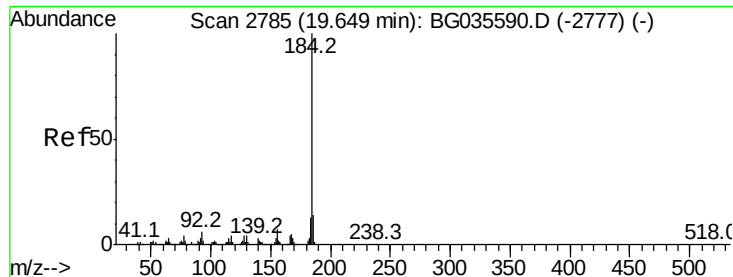
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.8	10.2#
236	26.0	20.9	31.3





#76

Benzidine

Concen: 8.359 ng

RT: 19.68 min Scan# 2790

Delta R.T. 0.03 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

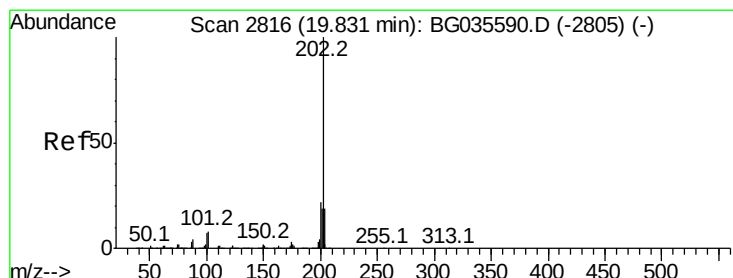
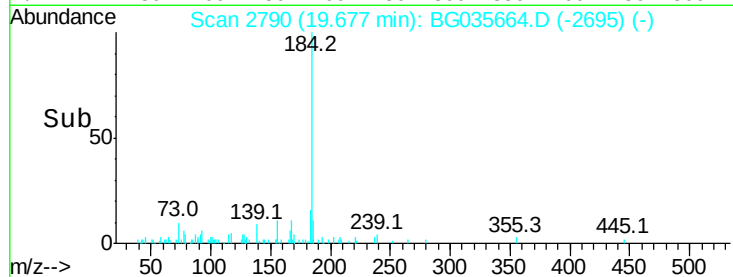
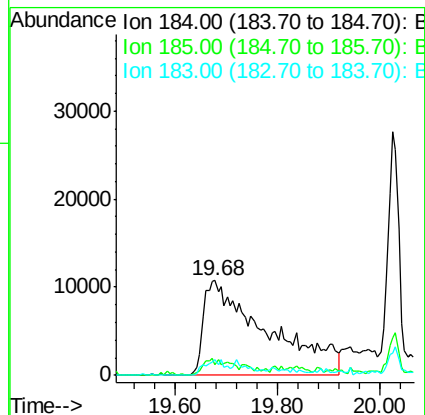
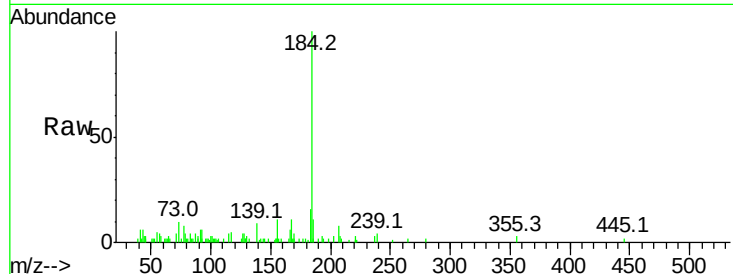
ClientSampleId :

LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	11.1	11.1	16.7
183	16.4	10.6	16.0

Manual Integrations
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#77

Pyrene

Concen: 44.106 ng

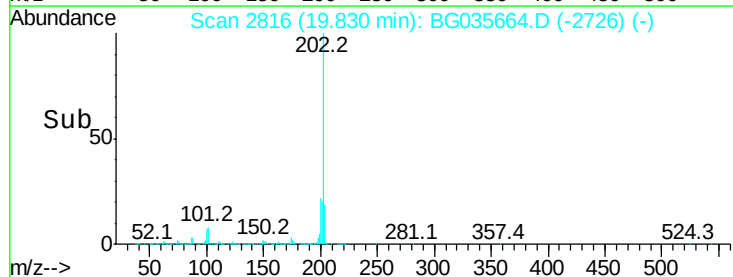
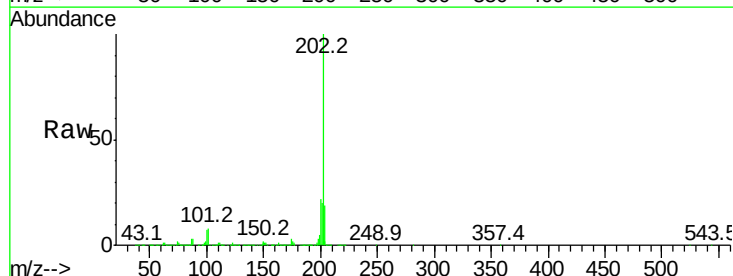
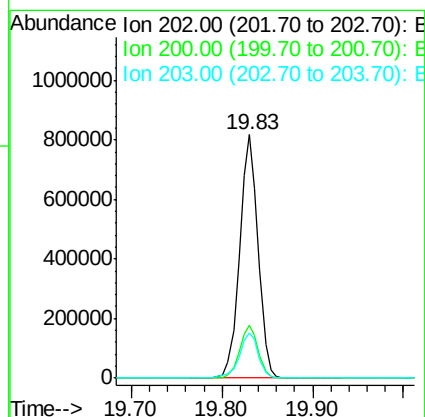
RT: 19.83 min Scan# 2816

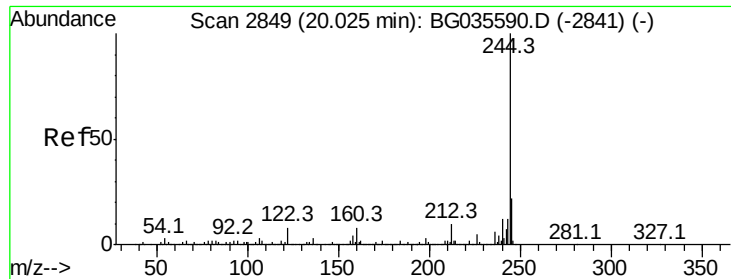
Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	18.6	13.9	20.9





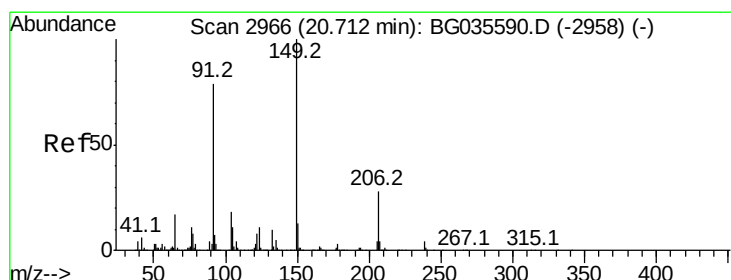
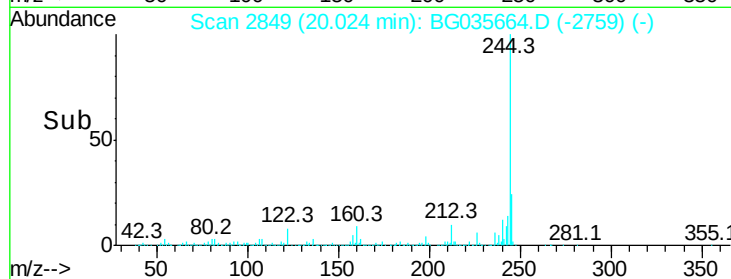
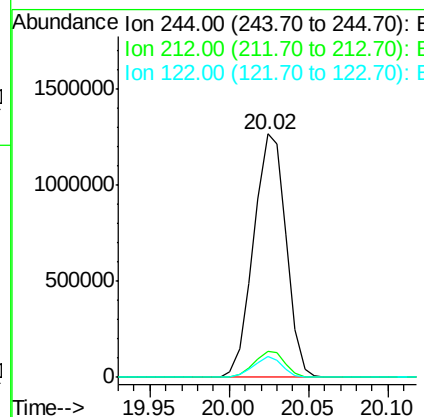
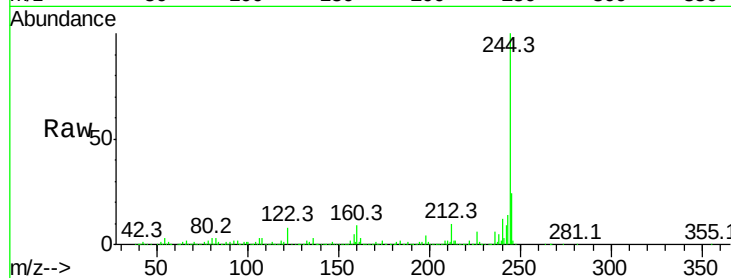
#78
 Terphenyl-d14
 Concen: 95.928 ng
 RT: 20.02 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Tot Ion:244 Resp: 1808918
 Ion Ratio Lower Upper
 244 100
 212 10.5 5.8 8.8#
 122 8.4 7.0 10.4

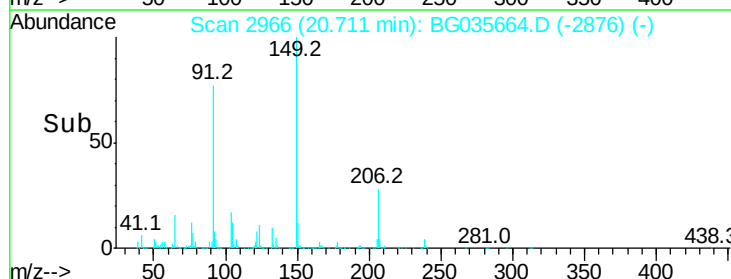
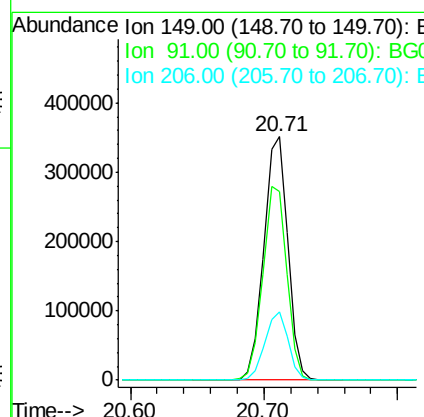
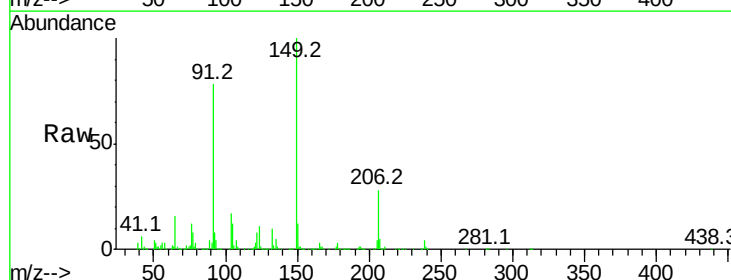
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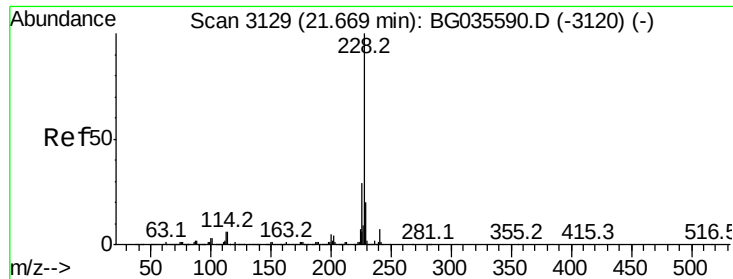
Sohil
 7/17/2018 4:57:14 PM



#79
 Butylbenzylphthalate
 Concen: 46.035 ng
 RT: 20.71 min Scan# 2966
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion:149 Resp: 432676
 Ion Ratio Lower Upper
 149 100
 91 77.5 62.2 93.2
 206 27.8 18.6 27.8#





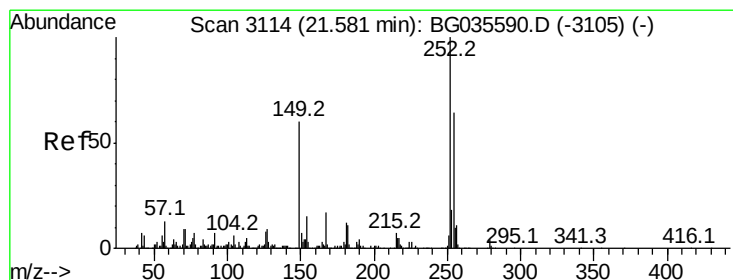
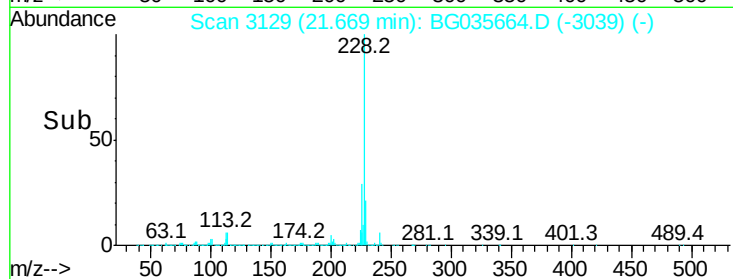
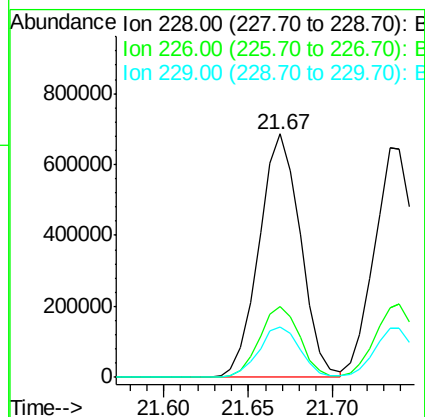
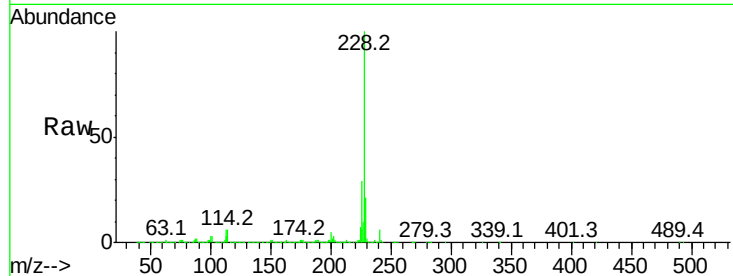
#80
Benzo(a)anthracene
Concen: 45.106 ng
RT: 21.67 min Scan# 3129
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.7	34.1
229	20.9	16.2	24.2

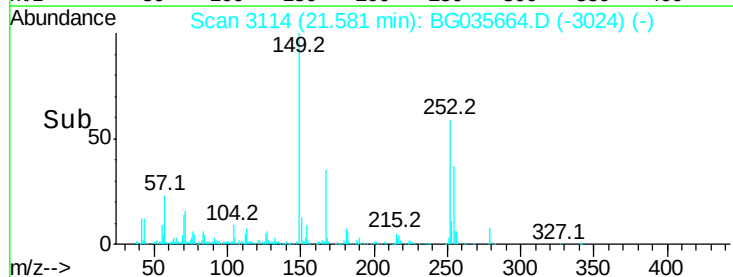
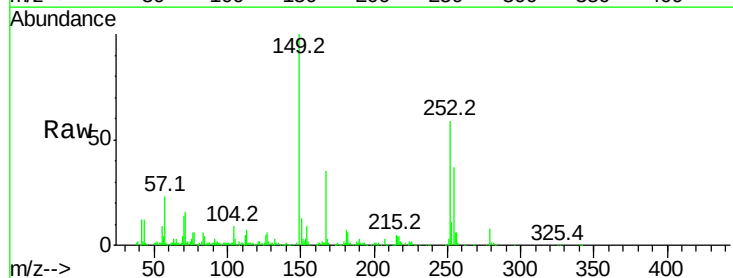
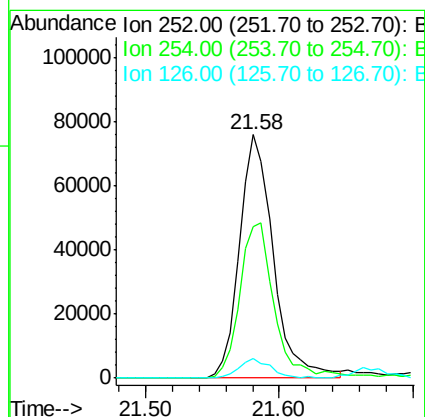
Manual Integrations
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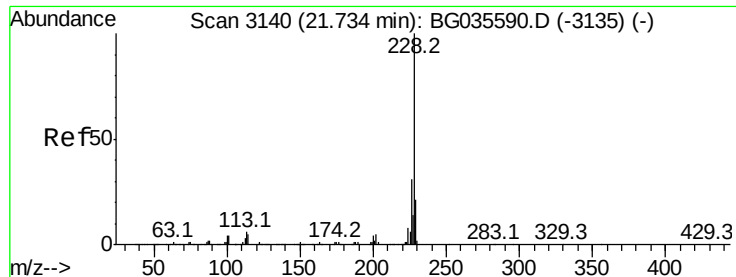
Sohil
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#81
3,3'-Dichlorobenzidine
Concen: 14.758 ng
RT: 21.58 min Scan# 3114
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.1	50.8	76.2
126	8.1	7.4	11.2





#82

Chrysene

Concen: 44.791 ng

RT: 21.73 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

Tot Ion:228 Resp: 1075156

Ion Ratio Lower Upper

228 100

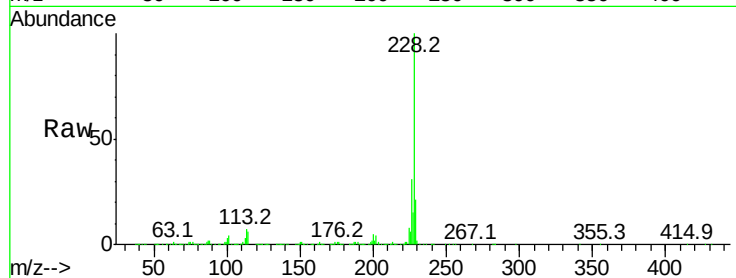
226 30.5 24.9 37.3

229 21.5 15.0 22.4

Manual Integrations
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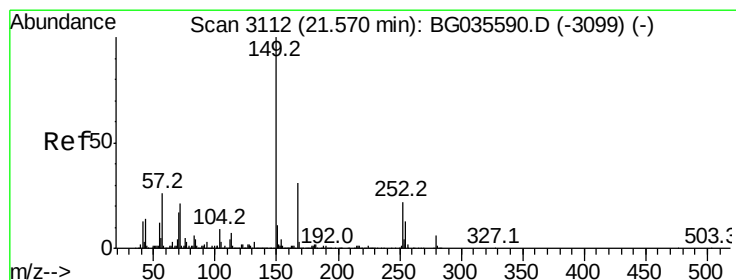
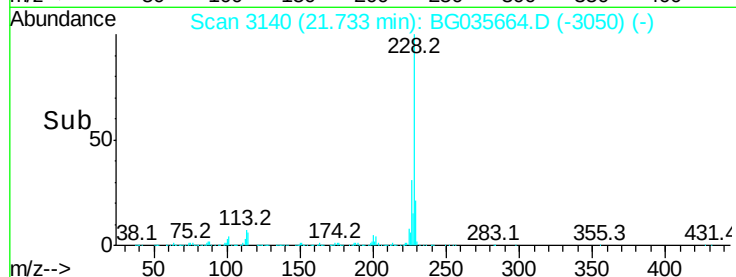
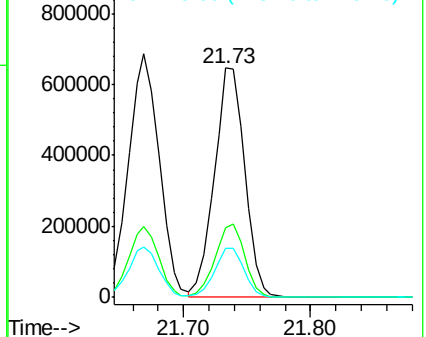
7/17/2018 4:57:14 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 46.269 ng

RT: 21.57 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

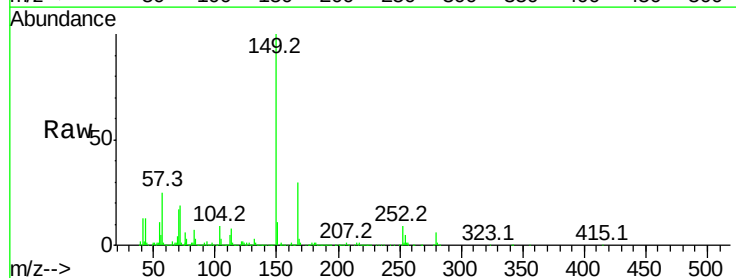
Tgt Ion:149 Resp: 591222

Ion Ratio Lower Upper

149 100

167 30.3 24.3 36.5

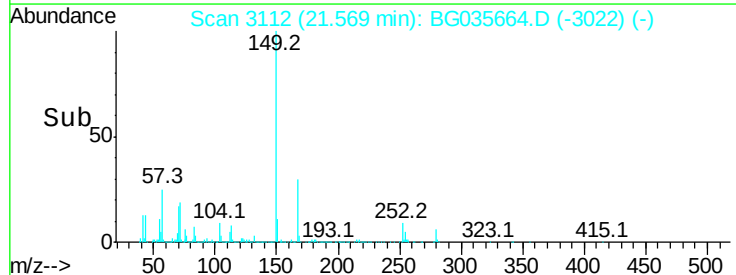
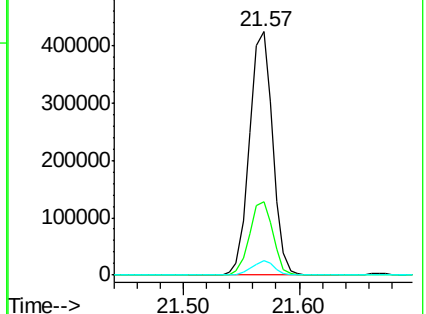
279 6.2 4.0 6.0#

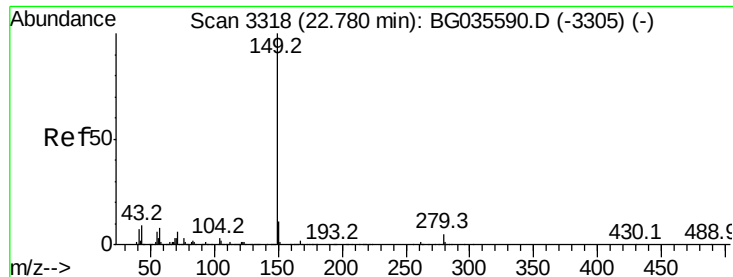


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 46.948 ng

RT: 22.78 min Scan# 3318

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

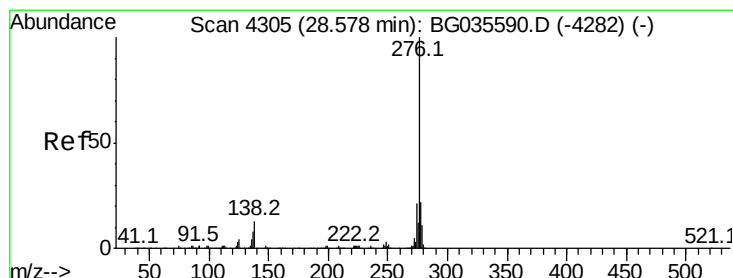
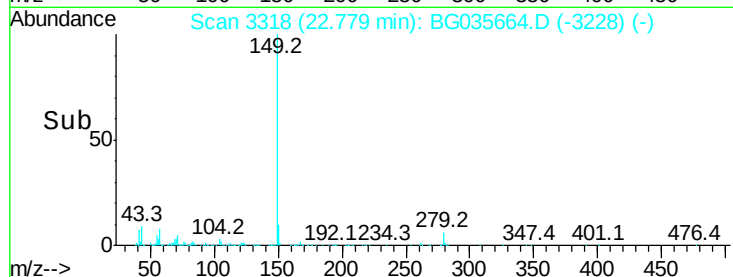
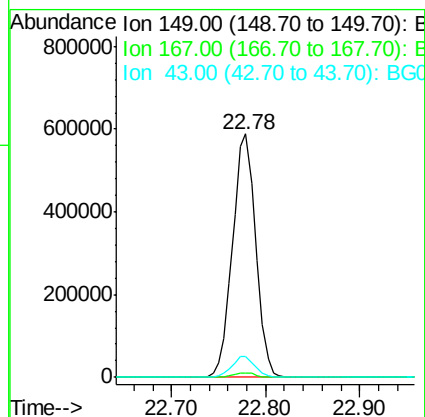
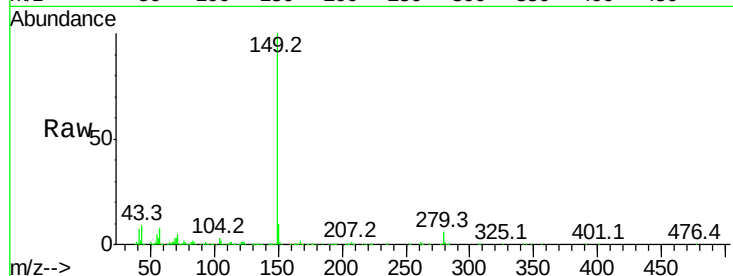
ClientSampleId :

LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	8.6	8.9	13.3#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 47.533 ng

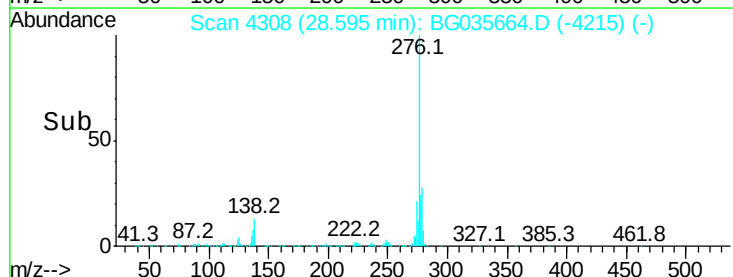
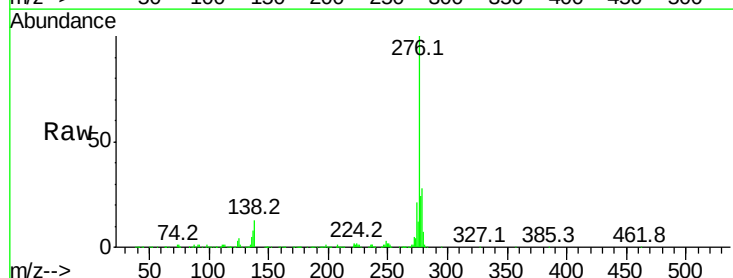
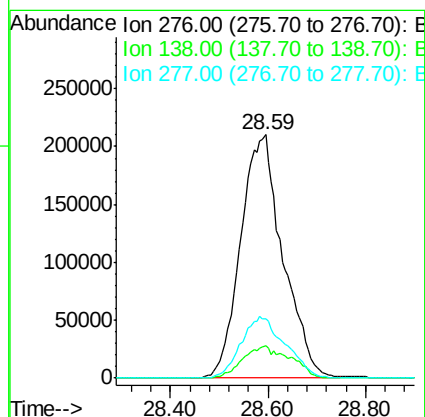
RT: 28.59 min Scan# 4308

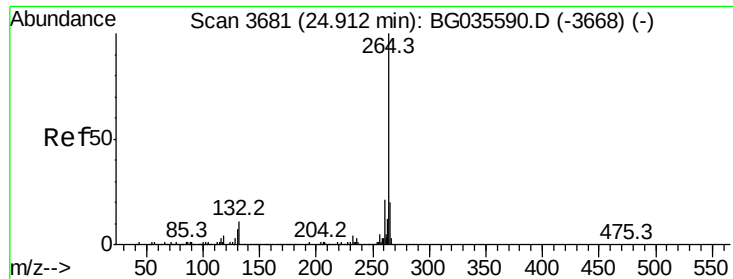
Delta R.T. 0.02 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	16.0	24.0#
277	26.6	20.0	30.0





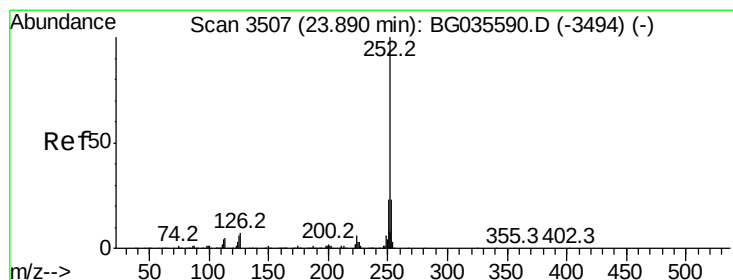
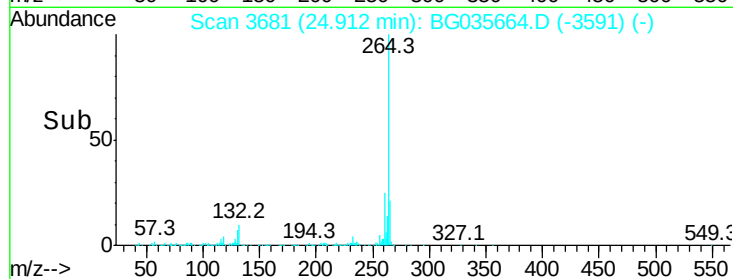
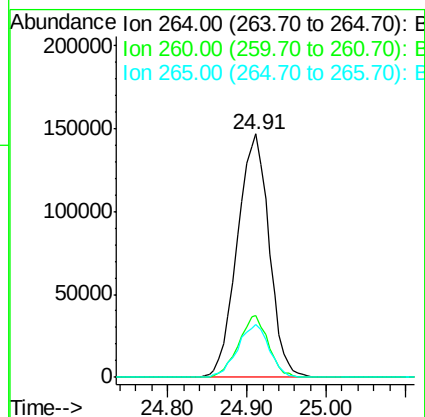
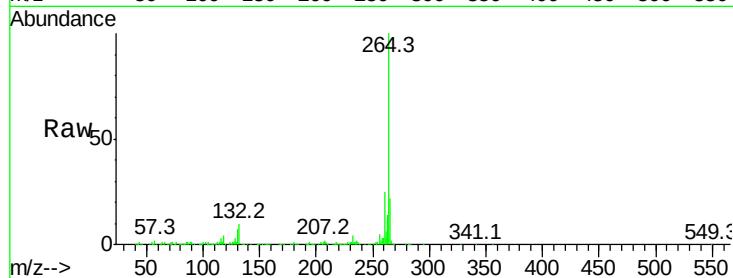
#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3681
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	17.4	26.0
265	21.5	17.7	26.5

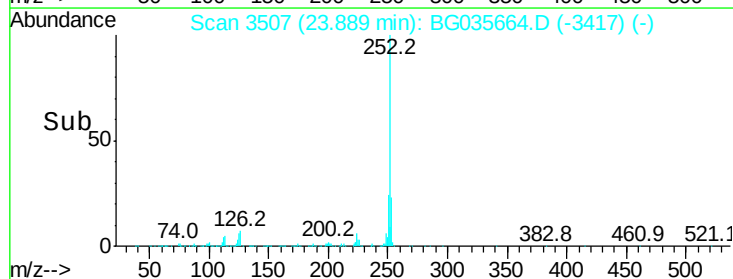
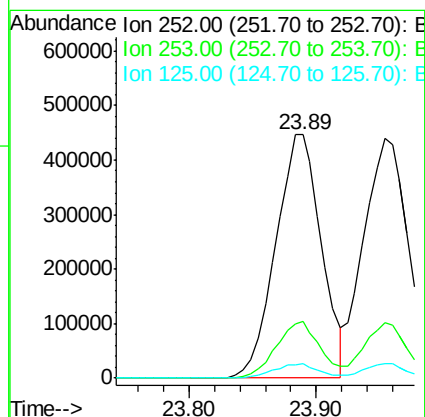
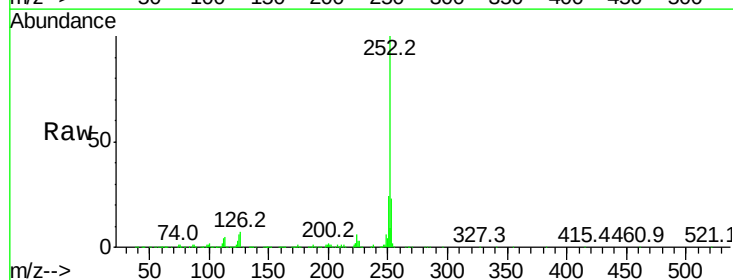
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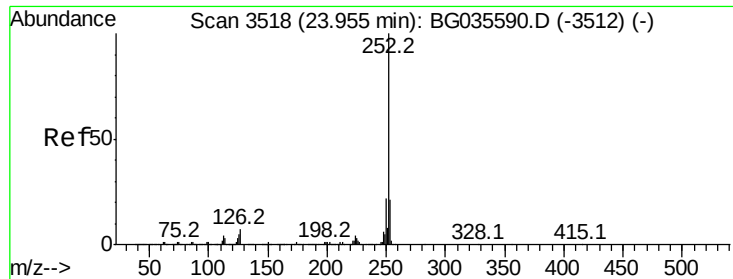
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#87
Benzo(b)fluoranthene
Concen: 44.732 ng
RT: 23.89 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	6.0	7.2	10.8





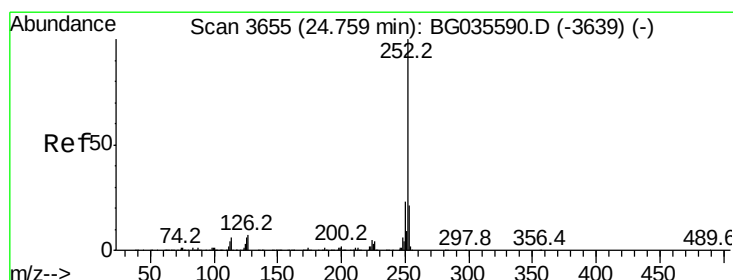
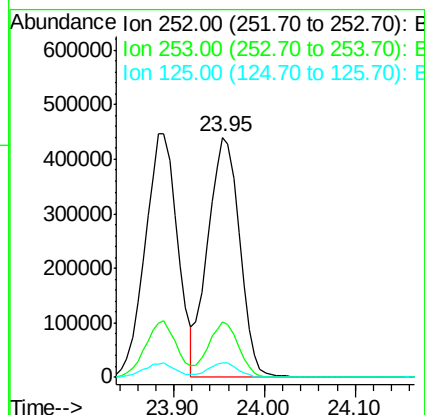
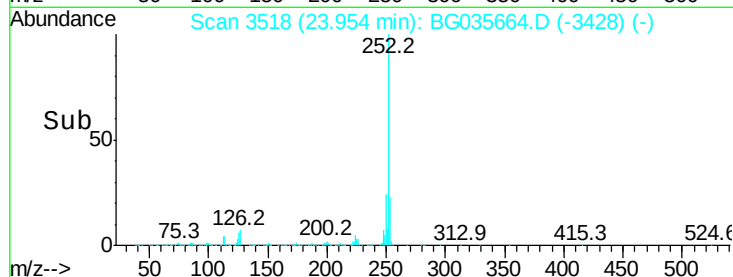
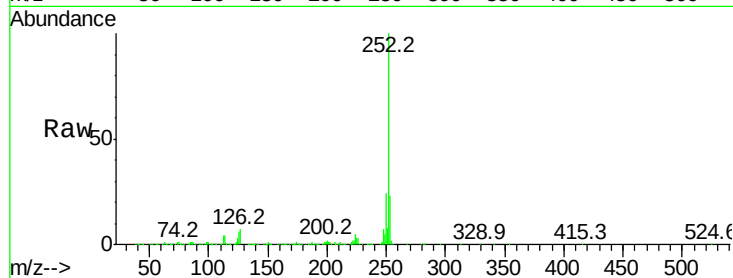
#88
 Benzo(k)fluoranthene
 Concen: 44.028 ng
 RT: 23.95 min Scan# 3518
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	6.2	6.6	9.8

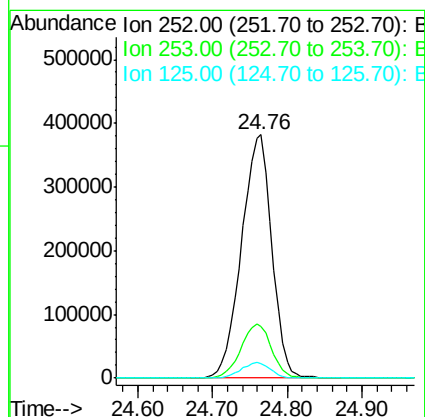
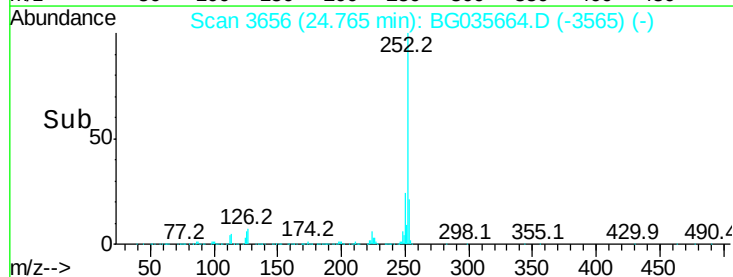
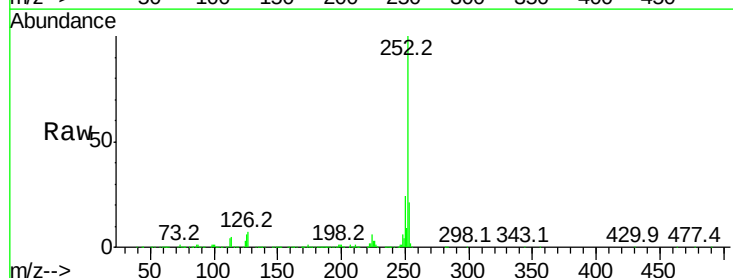
Manual Integrations
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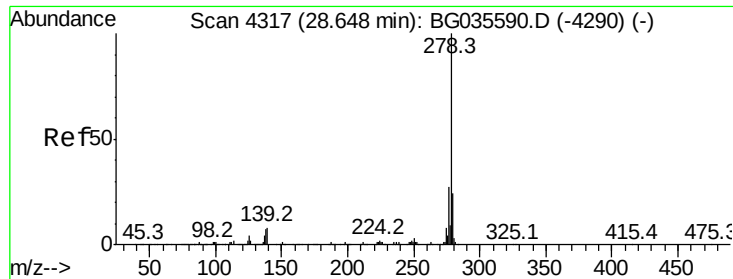
Sohil
 7/17/2018 4:57:14 PM



#89
 Benzo(a)pyrene
 Concen: 46.441 ng
 RT: 24.76 min Scan# 3656
 Delta R.T. 0.01 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.3	27.5
125	5.8	7.3	10.9





#90

Dibenzo(a,h)anthracene

Concen: 46.107 ng

RT: 28.64 min Scan# 4316

Delta R.T. -0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

Tot Ion:278 Resp: 1046691

Ion Ratio Lower Upper

278 100

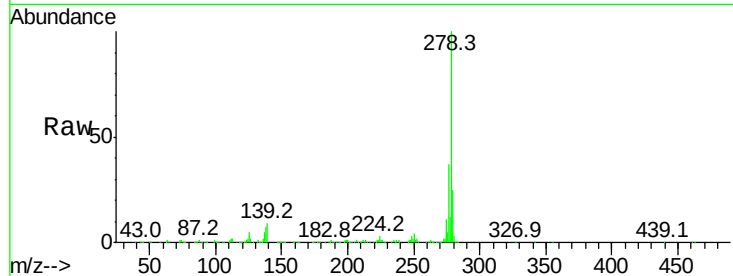
139 8.9 9.8 14.6#

279 25.3 18.4 27.6

Manual Integrations
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Sohil

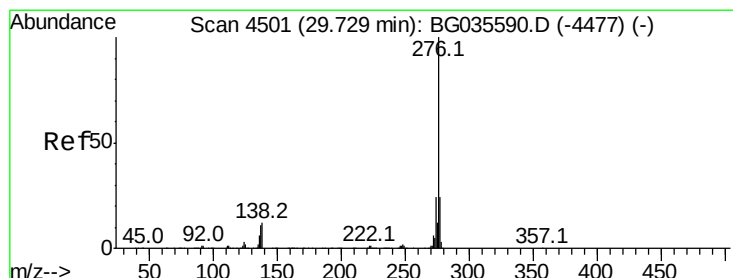
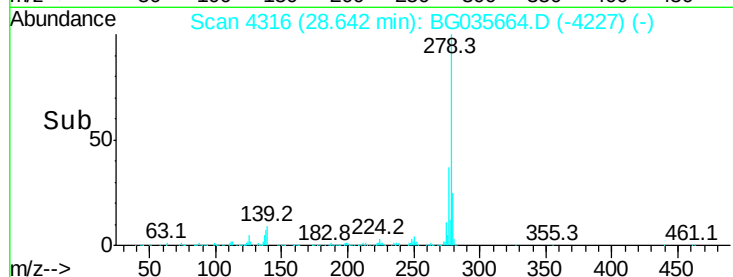
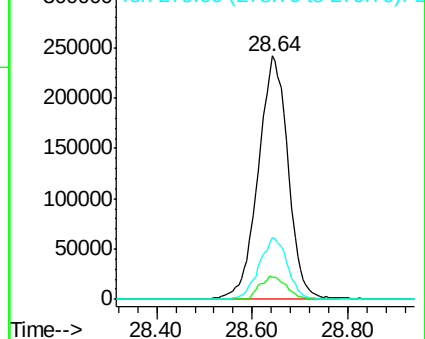
7/17/2018 4:57:14 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 46.601 ng

RT: 29.73 min Scan# 4502

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

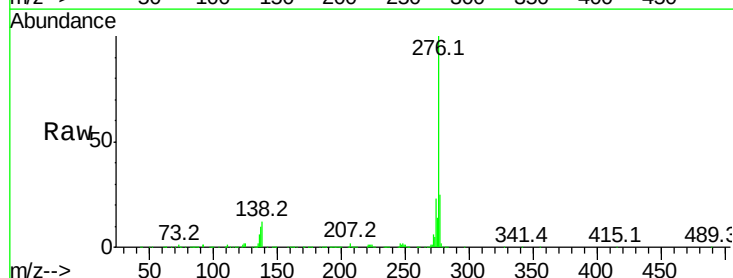
Tgt Ion:276 Resp: 1035193

Ion Ratio Lower Upper

276 100

277 25.3 18.3 27.5

138 12.1 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

