

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035843.D
 Acq On : 24 Jul 2018 11:51
 Operator : JU/SJ
 Sample : J3762-01
 Misc : LOD 2PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
 APPROVED

Sohil
 7/25/2018 6:34:47 PM

Quant Time: Jul 25 16:20:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	33807	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	124482	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	88029	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	256131	20.00	ng	0.00
75) Chrysene-d12	21.65	240	301512	20.00	ng	0.00
86) Perylene-d12	24.86	264	269320	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	247347	121.47	ng	0.00
7) Phenol-d6	7.20	99	361421	118.96	ng	0.00
23) Nitrobenzene-d5	9.19	82	244174	81.94	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	158388	136.51	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	595150	90.58	ng	0.00
78) Terphenyl-d14	20.00	244	1373337	100.40	ng	0.00
Target Compounds						
17) 2-Methylphenol	8.48	107	3540	1.696	ng	# 94
19) n-Nitroso-di-n-propylamine	8.83	70	3520	1.376	ng	# 71
20) 3+4-Methylphenols	8.82	107	3729	1.288	ng	# 90
22) Acetophenone	8.85	105	6200	1.602	ng	# 88
25) Isophorone	9.76	82	9145	1.653	ng	# 97
26) 2-Nitrophenol	9.95	139	1601	1.504	ng	# 43
27) 2,4-Dimethylphenol	10.03	122	3234m	1.795	ng	# 64
28) bis(2-Chloroethoxy)methane	10.25	93	3991	1.309	ng	# 80
29) 2,4-Dichlorophenol	10.53	162	1526	0.742	ng	# 90
30) 1,2,4-Trichlorobenzene	10.69	180	5954	2.361	ng	# 94
36) 4-Chloro-3-methylphenol	12.14	107	3224	1.170	ng	# 66
42) 2,4,6-Trichlorophenol	13.10	196	3321	1.709	ng	# 47
43) 2,4,5-Trichlorophenol	13.17	196	291	0.134	ng	# 67
56) 2,4-Dinitrotoluene	15.02	165	3905	1.733	ng	# 90
60) 4-Chlorophenyl-phenylether	15.69	204	8991	2.072	ng	# 82
61) 4-Nitroaniline	15.78	138	954	0.568	ng	# 95
76) Benzidine	19.66	184	3705	0.467	ng	# 68
81) 3,3'-Dichlorobenzidine	21.58	252	7855	1.199	ng	#

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

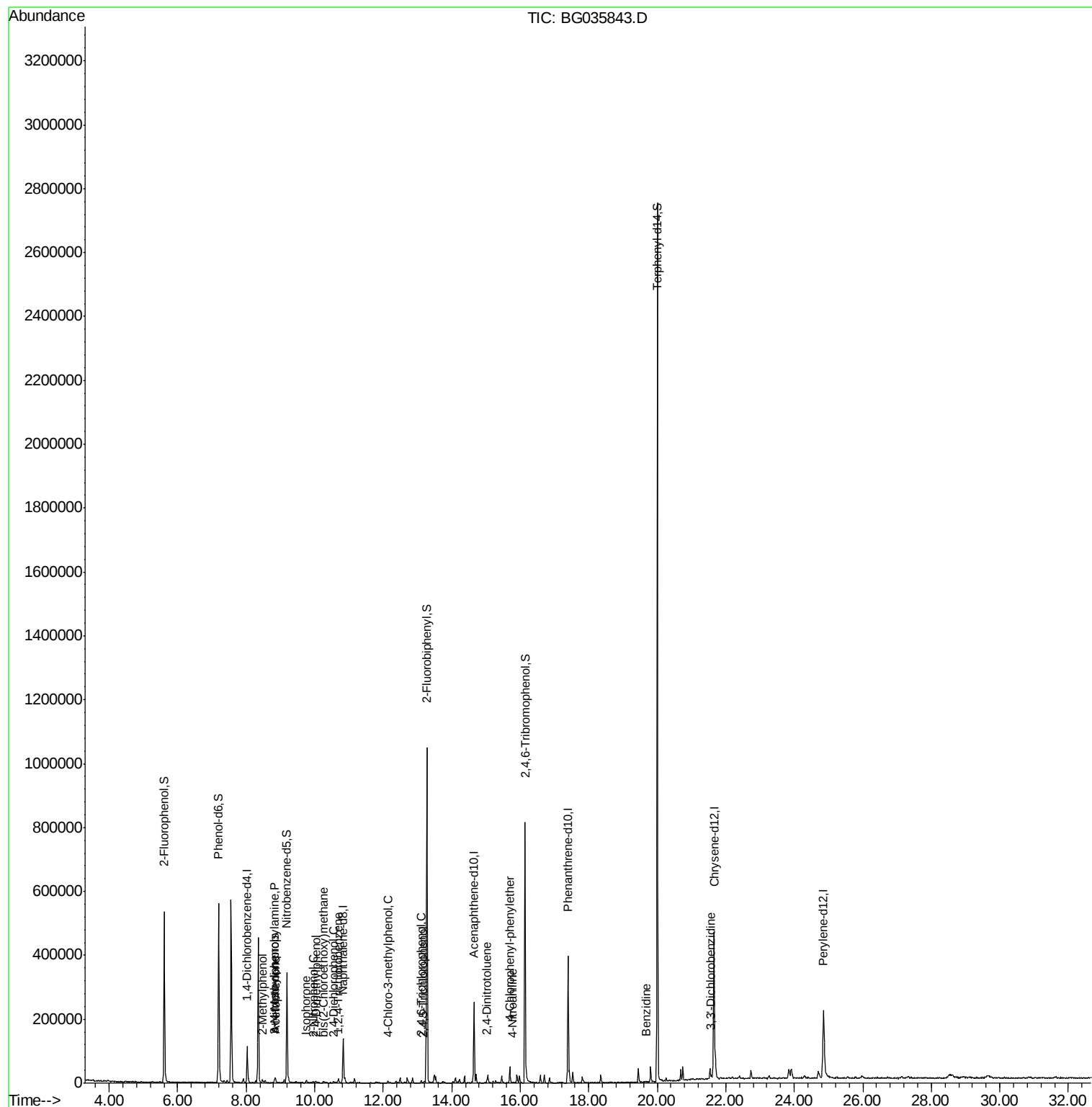
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
Data File : BG035843.D
Acq On : 24 Jul 2018 11:51
Operator : JU/SJ
Sample : J3762-01
Misc : LOD 2PPM
ALS Vial : 5 Sample Multiplier: 1

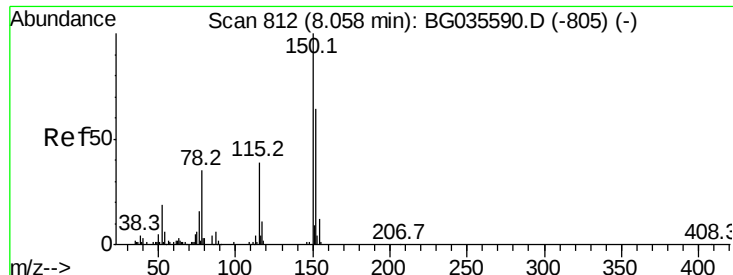
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

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Quant Time: Jul 25 16:20:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 14:48:00 2018
Response via : Initial Calibration





#1

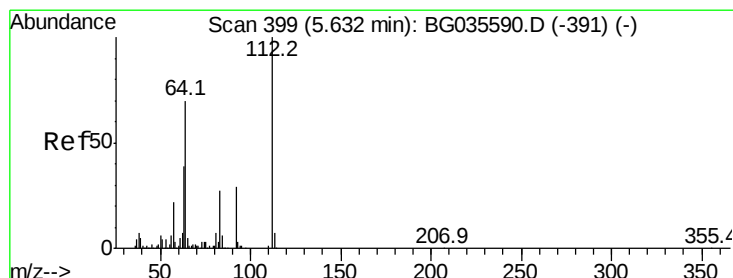
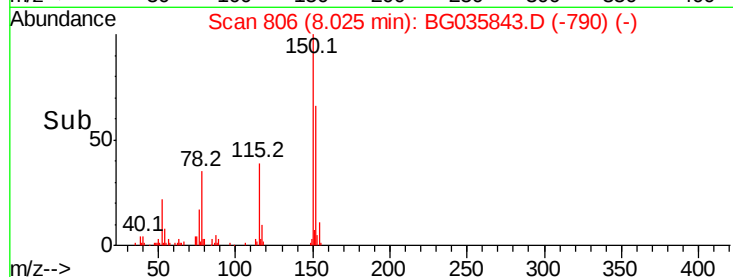
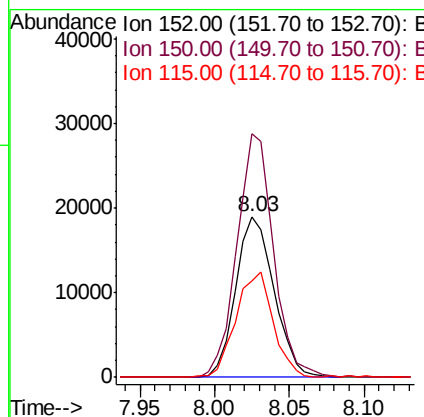
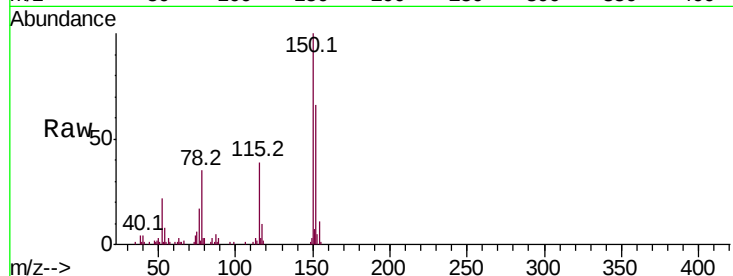
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	126.6	189.8
115	59.8	53.0	79.4

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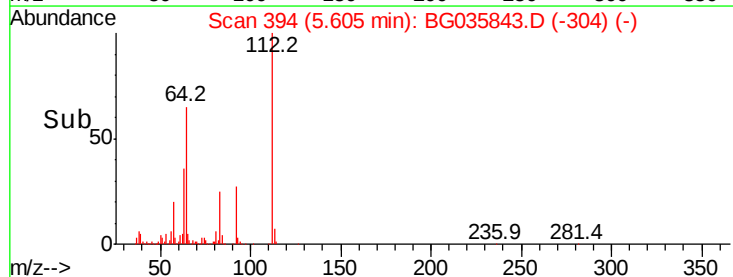
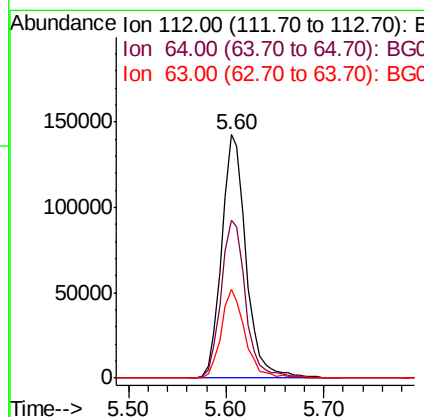
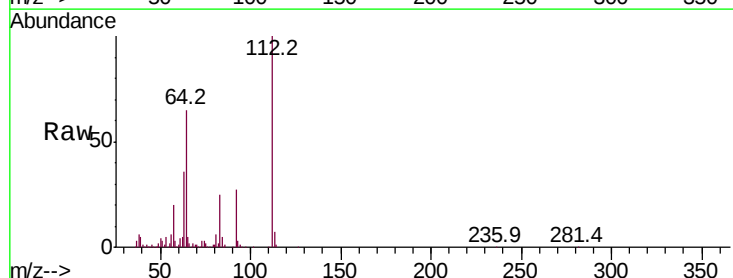
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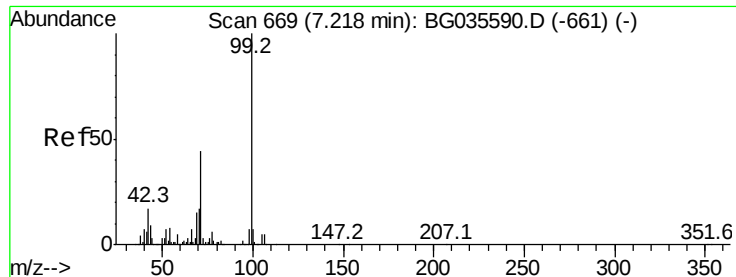


#5

2-Fluorophenol
Concen: 121.470 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	56.3	84.5
63	36.2	30.1	45.1





#7

Phenol-d6

Concen: 118.963 ng

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Instrument :

BNA_G

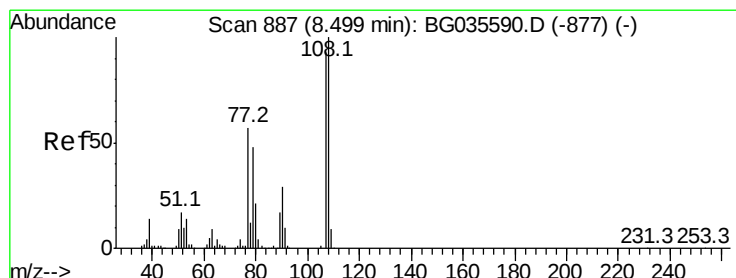
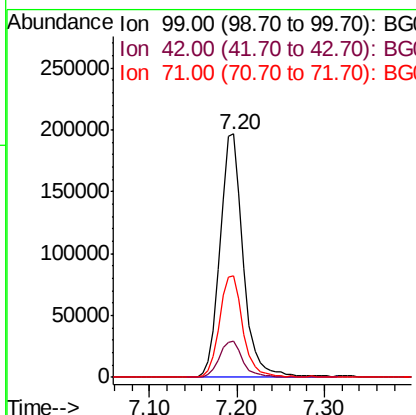
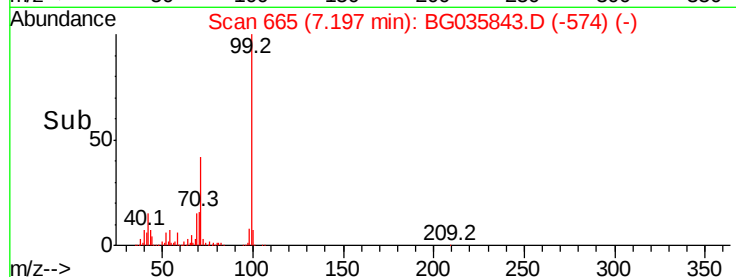
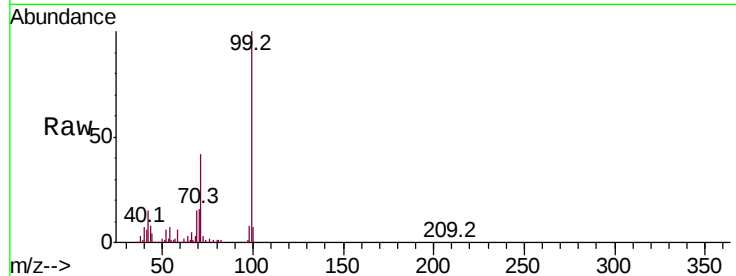
ClientSampled :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		361421		
42	14.7	14.1	21.1		
71	41.8	26.1	39.1#		

Manual Integrations
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#17

2-Methylphenol

Concen: 1.696 ng

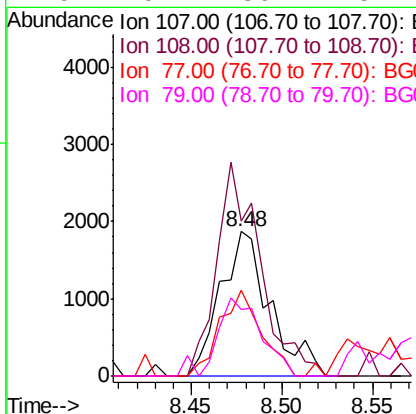
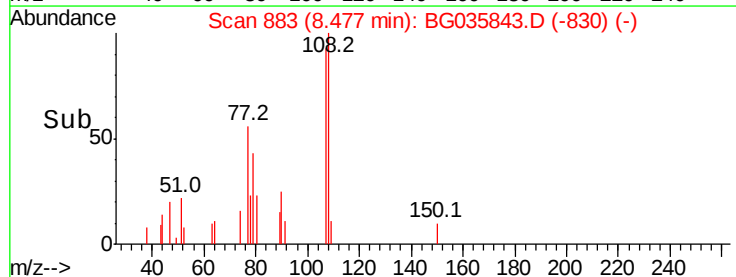
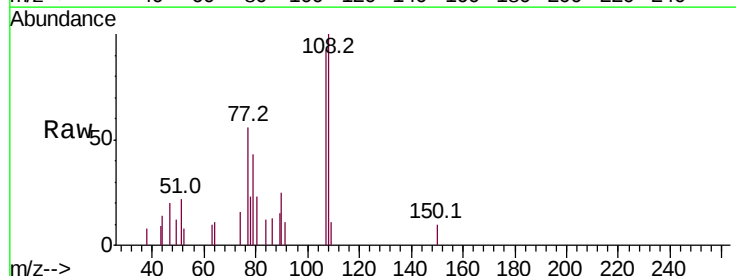
RT: 8.48 min Scan# 883

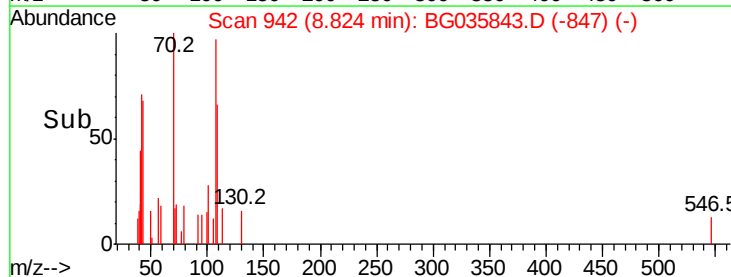
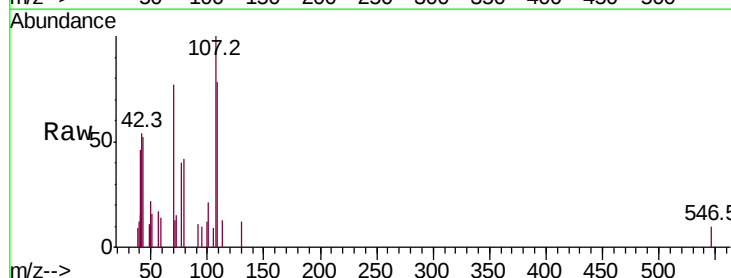
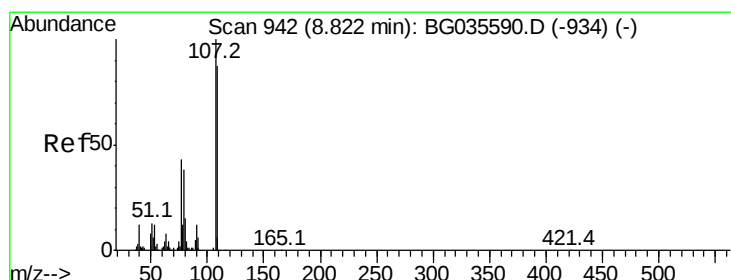
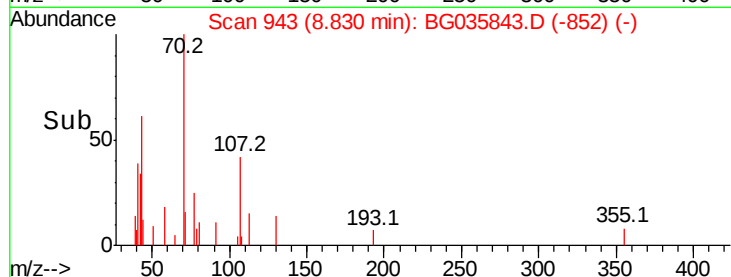
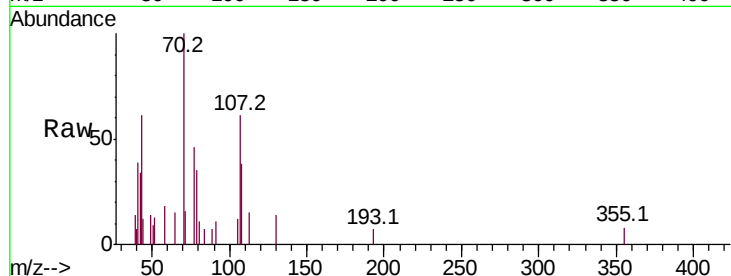
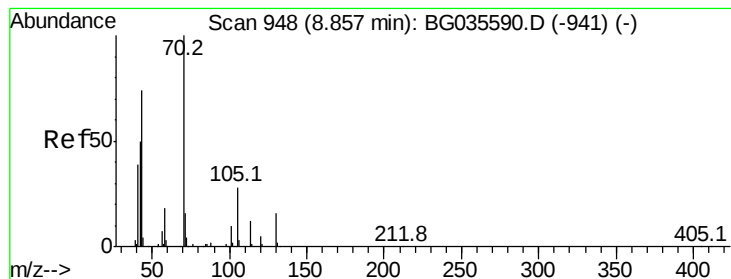
Delta R.T. 0.01 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		3540		
108	107.1	83.9	125.9		
77	59.8	37.2	55.8#		
79	46.4	36.2	54.2		





#19

n-Nitroso-di-n-propylamine

Concen: 1.376 ng

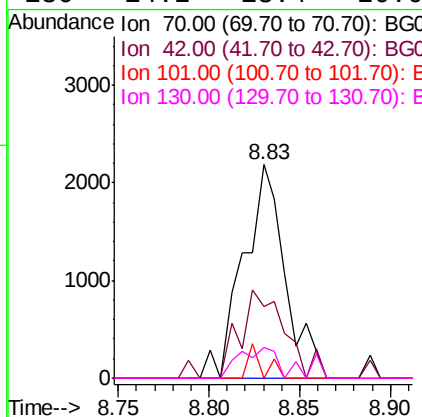
RT: 8.83 min Scan# 943

Delta R.T. 0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	33.9	49.1	73.7#	
101	0.0	8.5	12.7#	
130	14.2	13.4	20.0	



Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

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#20

3+4-Methylphenols

Concen: 1.288 ng

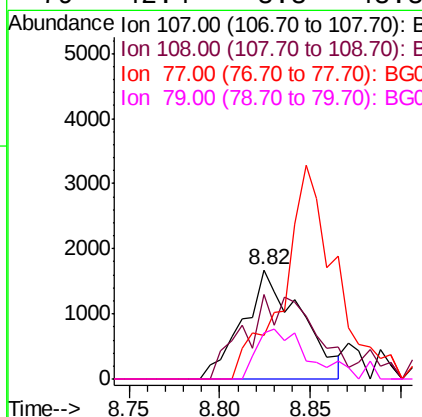
RT: 8.82 min Scan# 942

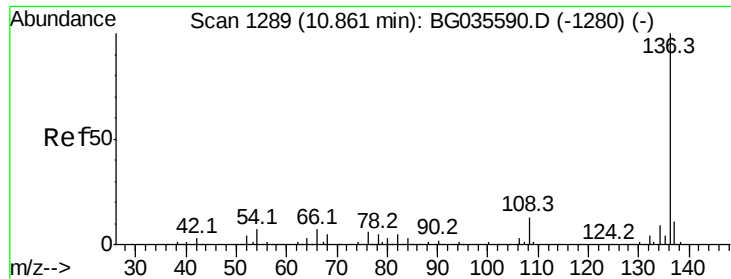
Delta R.T. 0.03 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	78.2	61.6	101.6	
77	39.7	13.9	53.9	
79	42.4	8.8	48.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Instrument :

BNA_G

ClientSampleID :

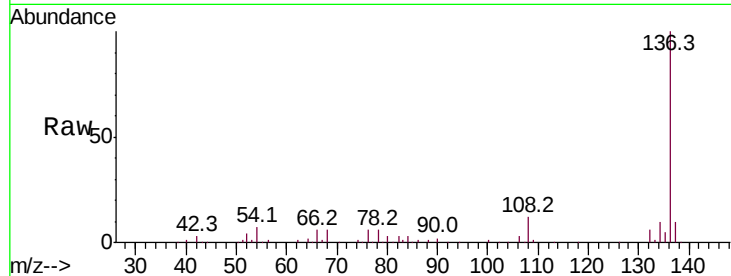
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	9.7	9.2	13.8	
54	7.2	10.3	15.5#	
68	6.3	4.5	6.7	

Manual Integrations
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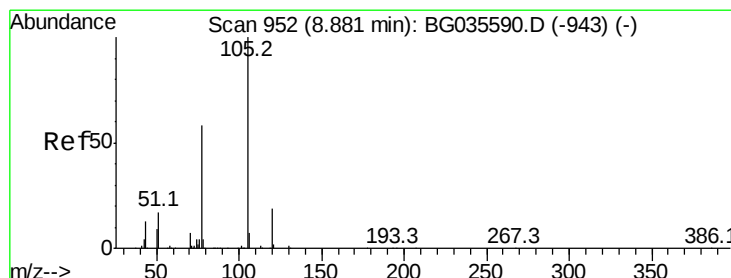
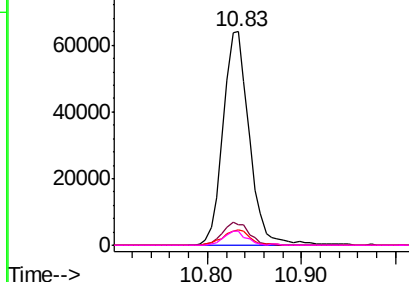
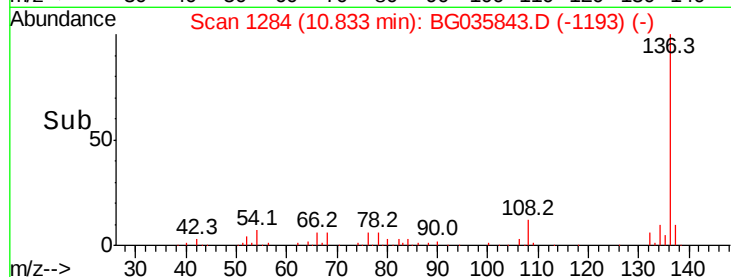
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 1.602 ng

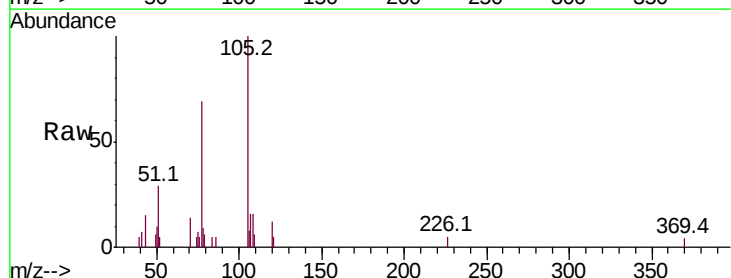
RT: 8.85 min Scan# 947

Delta R.T. 0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	3.0	4.4#	
51	28.7	26.1	39.1	
120	12.0	17.4	26.2#	



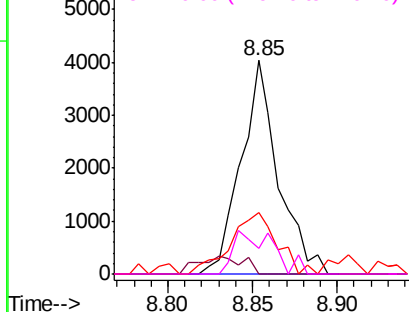
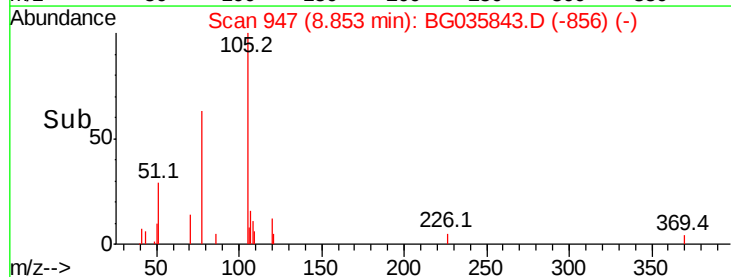
Abundance

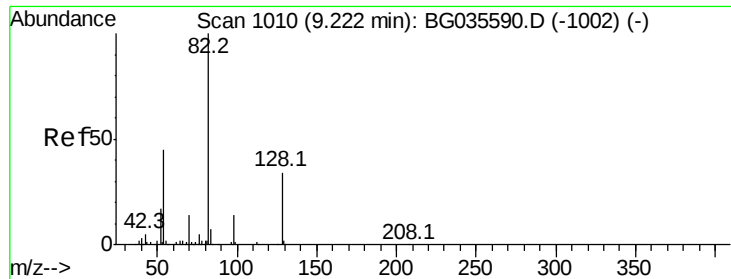
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





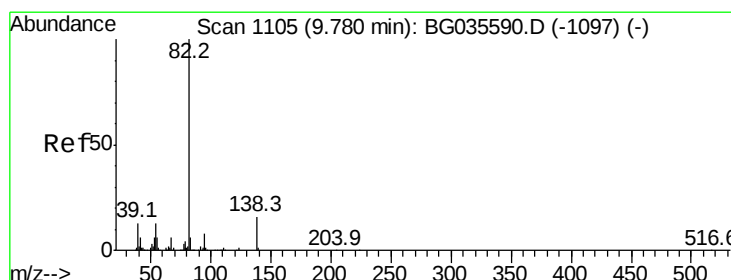
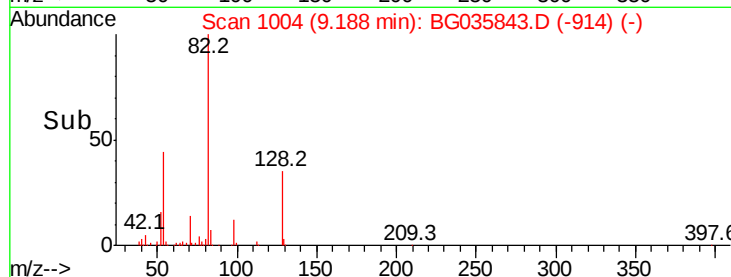
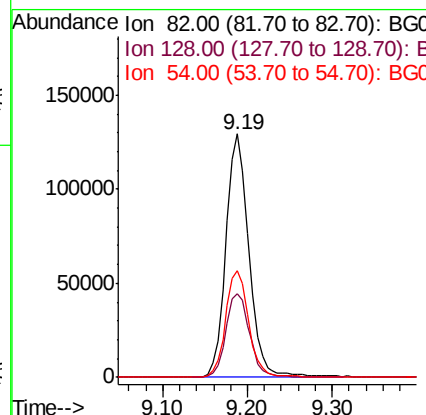
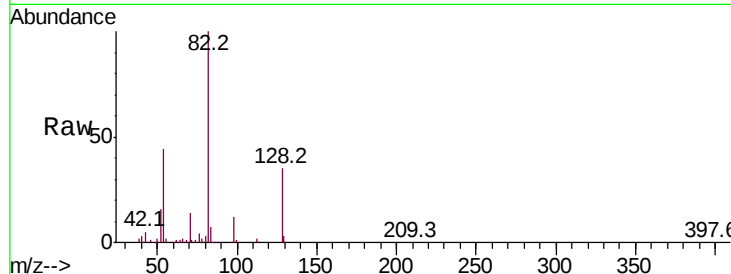
#23
Nitrobenzene-d5
Concen: 81.942 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
82	100	244174		
128	34.6	29.7	44.5	
54	43.9	43.1	64.7	

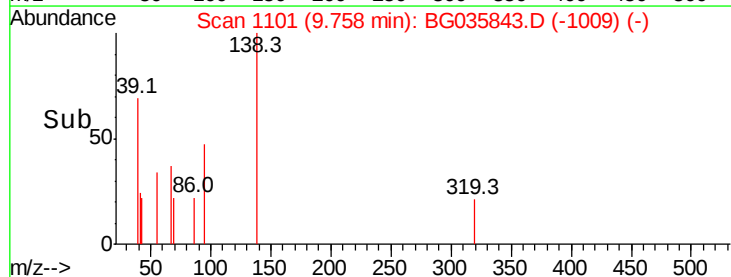
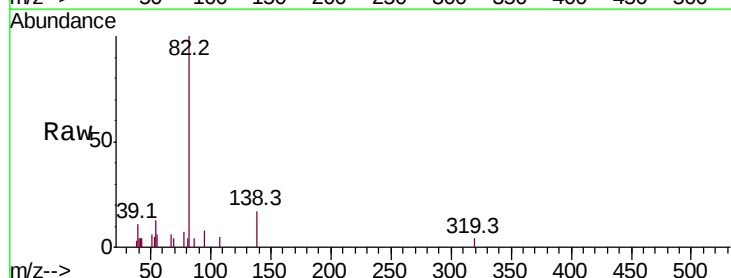
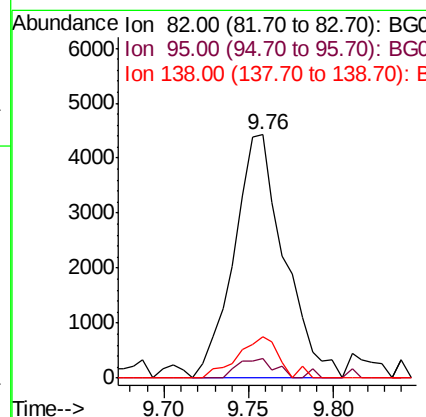
Manual Integrations
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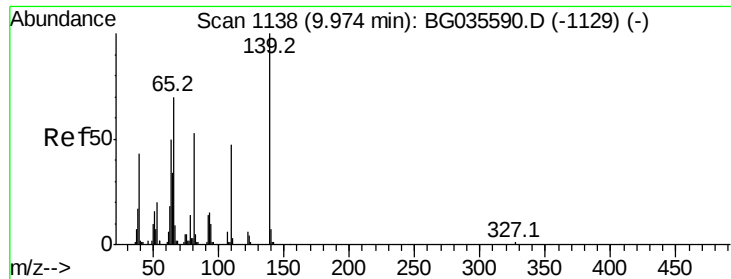
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#25
Isophorone
Concen: 1.653 ng
RT: 9.76 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	9145		
95	7.8	6.2	9.2	
138	16.8	12.1	18.1	





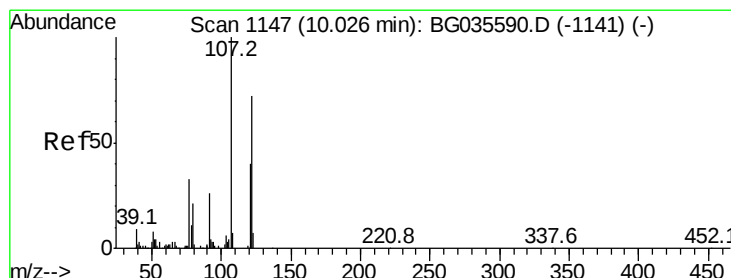
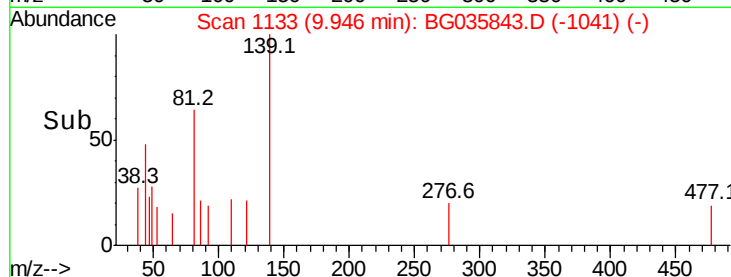
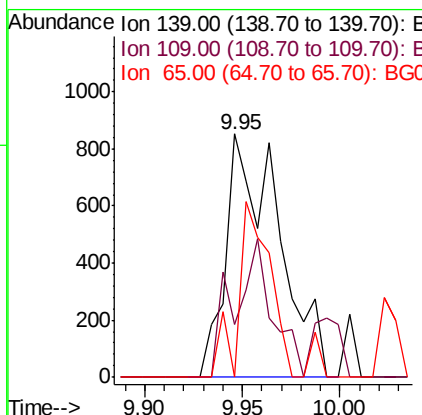
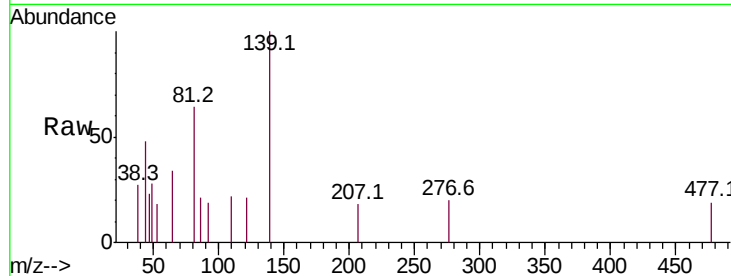
#26
2-Nitrophenol
Concen: 1.504 ng
RT: 9.95 min Scan# 1133
Delta R.T. 0.01 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	21.7	24.2	36.2#	
65	0.0	47.4	71.0#	

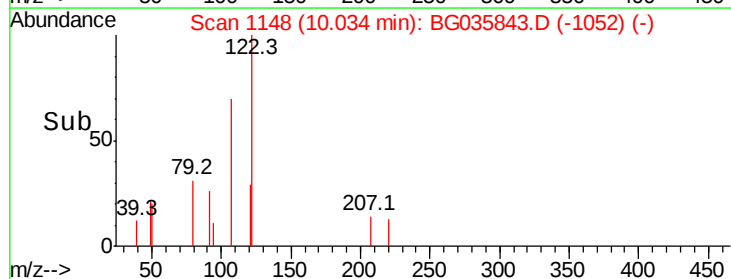
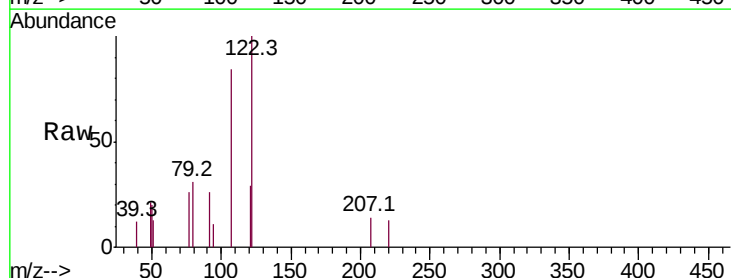
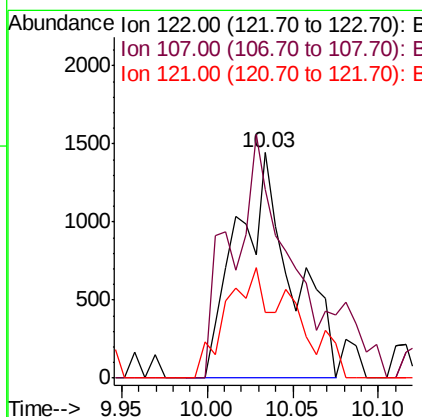
Manual Integrations
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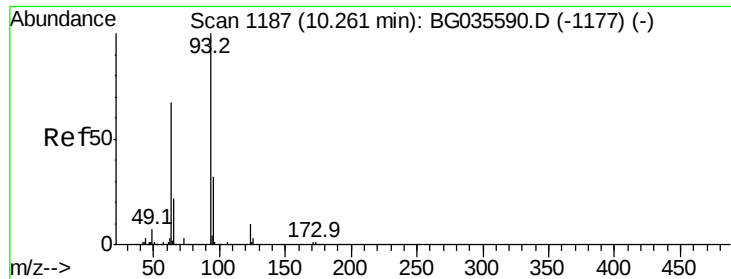
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#27
2,4-Dimethylphenol
Concen: 1.795 ng m
RT: 10.03 min Scan# 1148
Delta R.T. 0.03 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	83.9	100.2	150.2#	
121	29.2	44.4	66.6#	





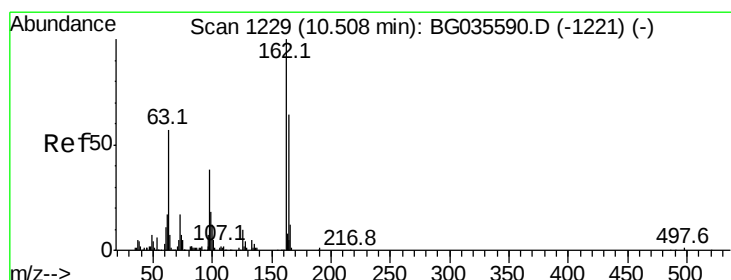
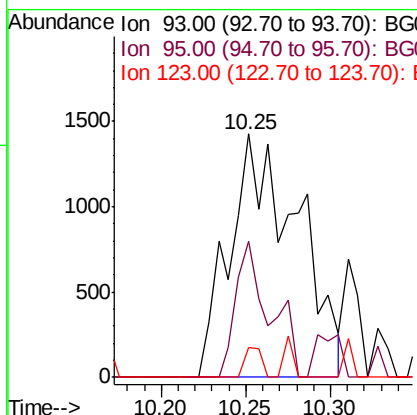
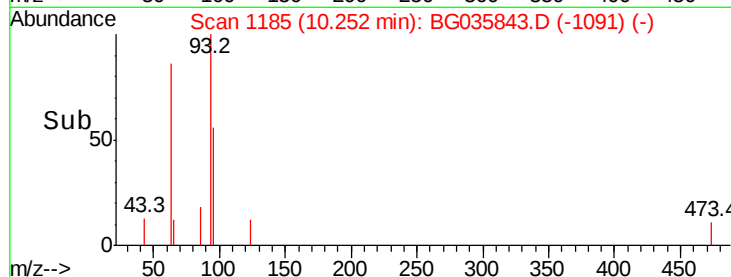
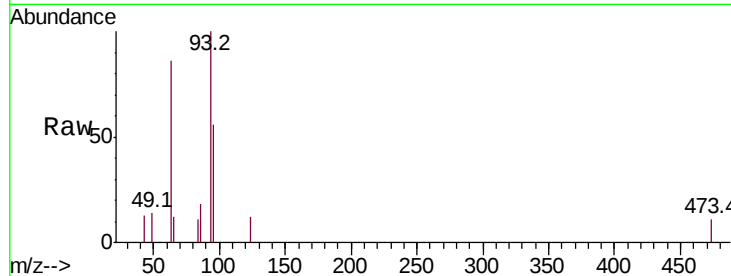
#28
bis(2-Chloroethoxy)methane
Concen: 1.309 ng
RT: 10.25 min Scan# 1185
Delta R.T. 0.02 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
93	100		
95	56.0	24.3	36.5#
123	12.0	8.4	12.6

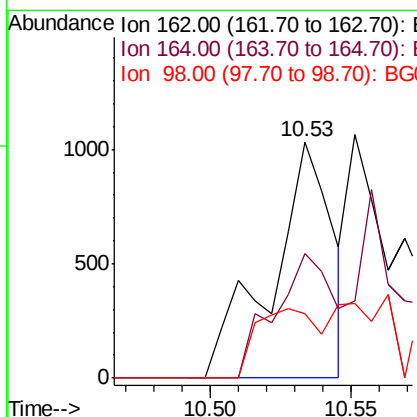
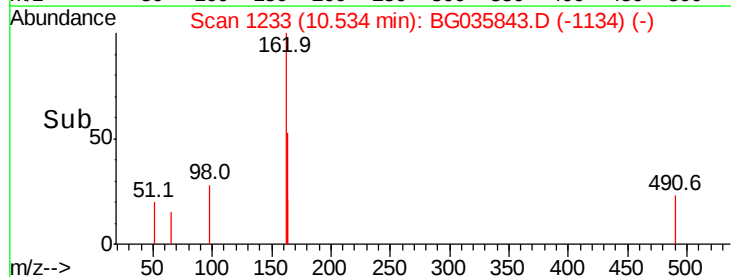
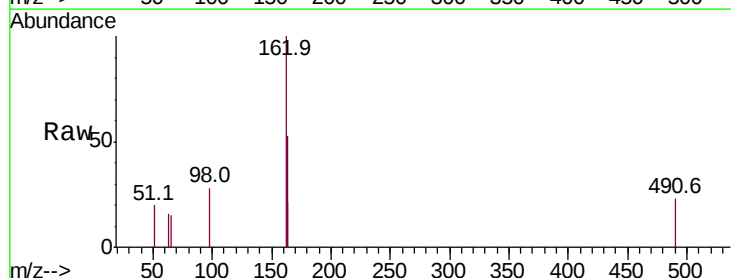
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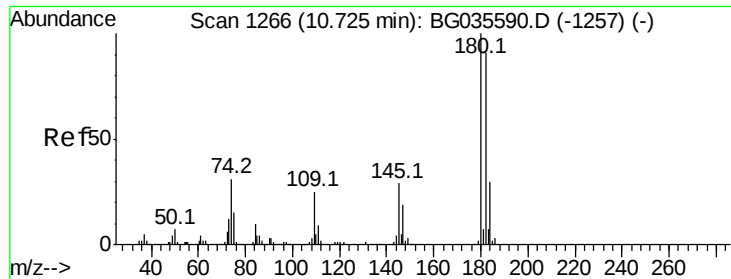
Sohil
7/25/2018 6:34:47 PM



#29
2,4-Dichlorophenol
Concen: 0.742 ng
RT: 10.53 min Scan# 1233
Delta R.T. 0.05 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
162	100		
164	52.6	48.0	88.0
98	27.5	21.1	61.1





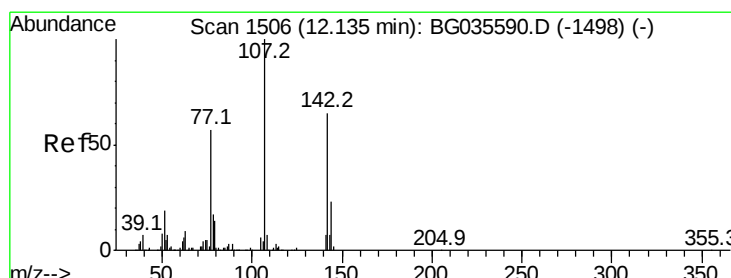
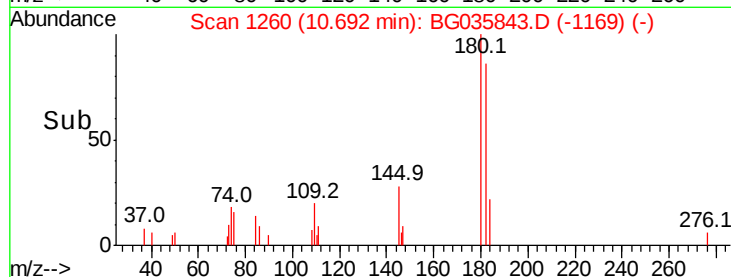
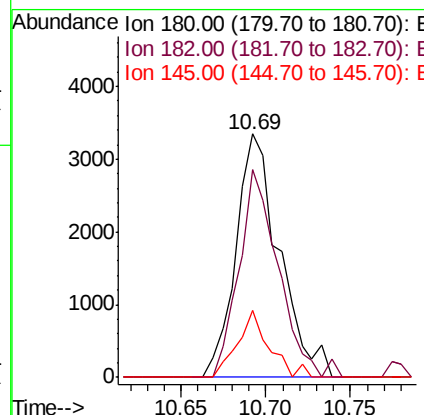
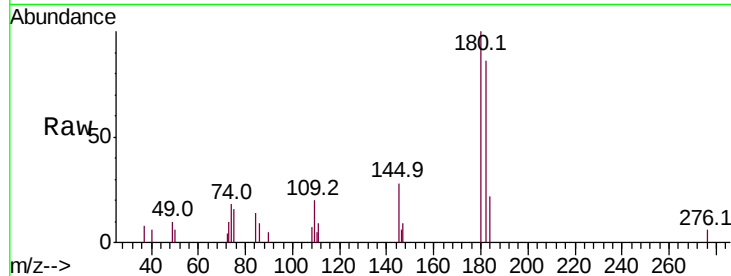
#30
 1,2,4-Trichlorobenzene
 Concen: 2.361 ng
 RT: 10.69 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: BG035843.D
 Acq: 24 Jul 2018 11:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.5	77.5	116.3
145	27.5	23.4	35.2

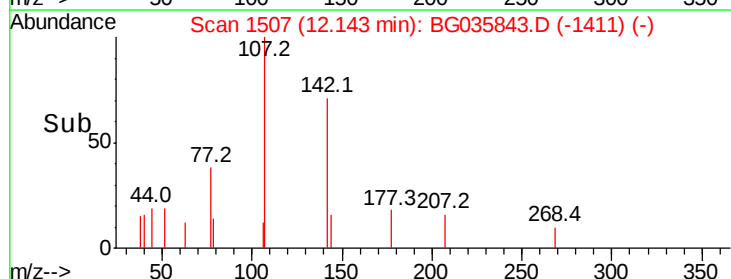
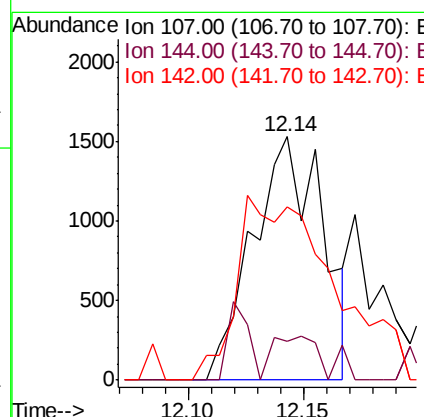
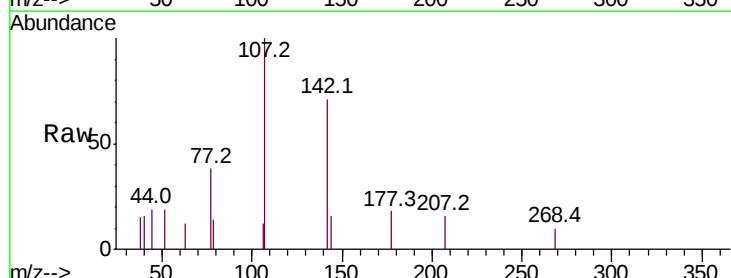
Manual Integrations
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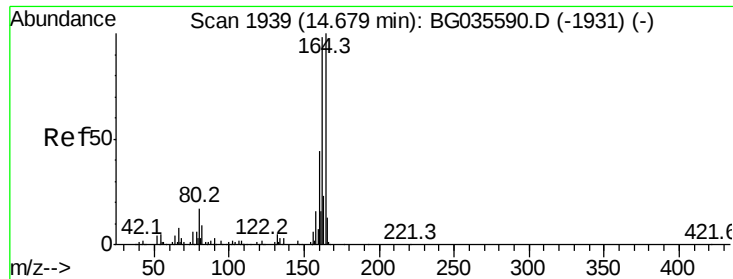
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 1.170 ng
 RT: 12.14 min Scan# 1507
 Delta R.T. 0.03 min
 Lab File: BG035843.D
 Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
107	100		
144	15.7	18.2	27.4#
142	71.1	59.0	88.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Instrument :

BNA_G

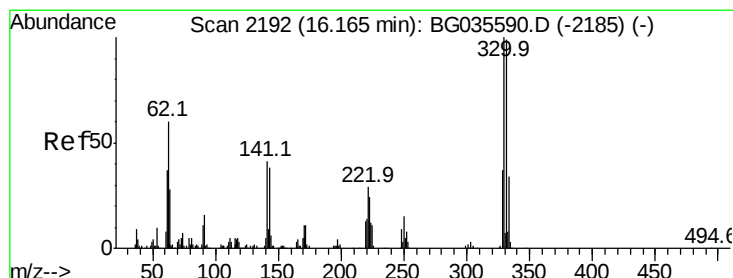
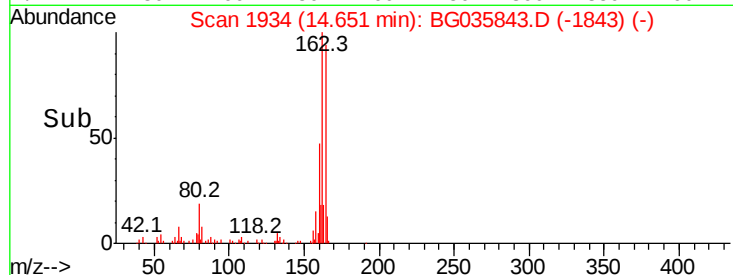
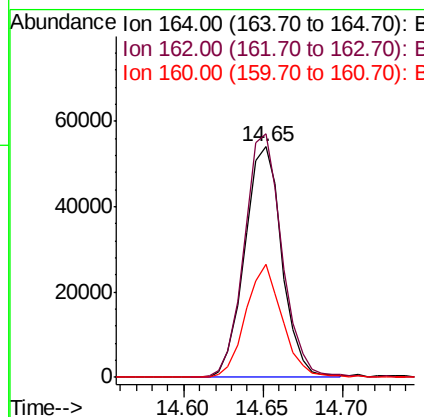
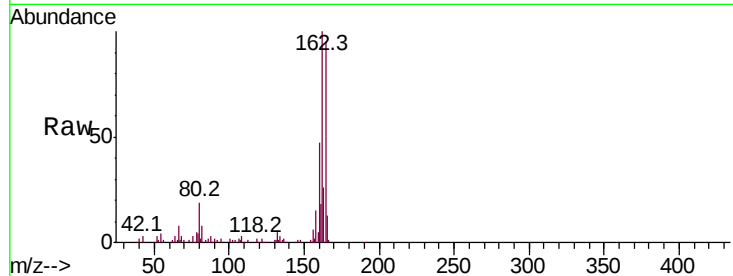
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.5	78.8	118.2
160	49.1	35.4	53.0

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 136.509 ng

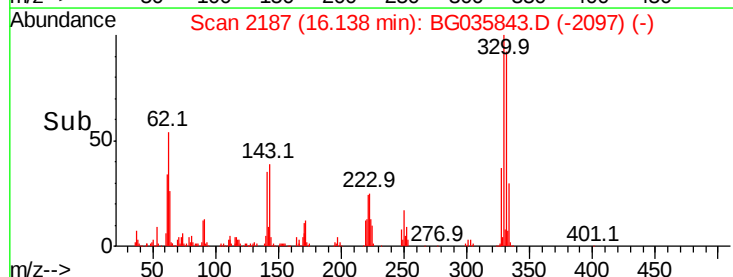
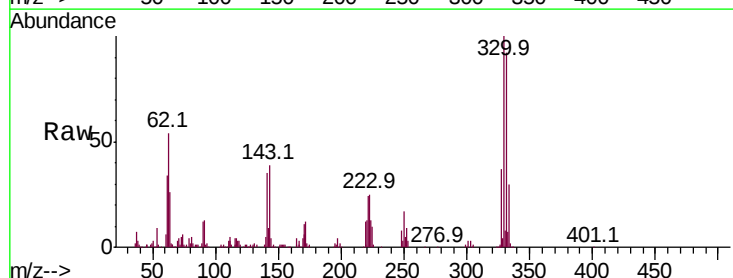
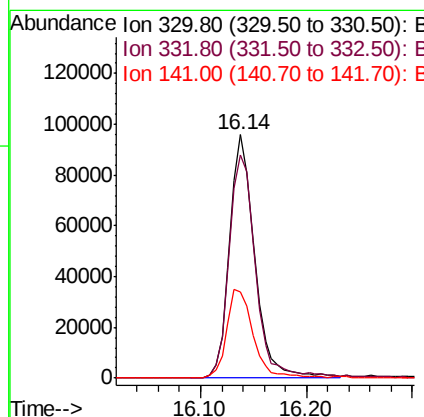
RT: 16.14 min Scan# 2187

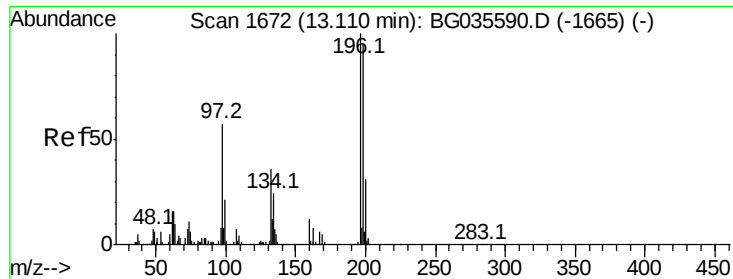
Delta R.T. -0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	38.4	25.2	37.8#





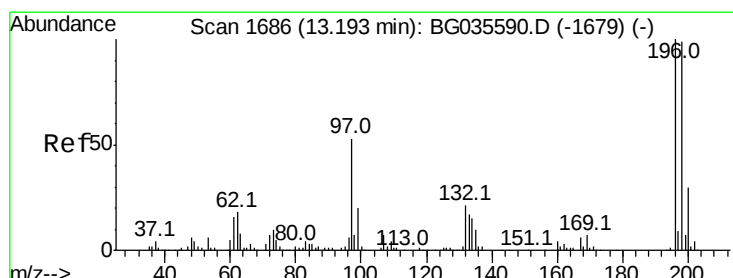
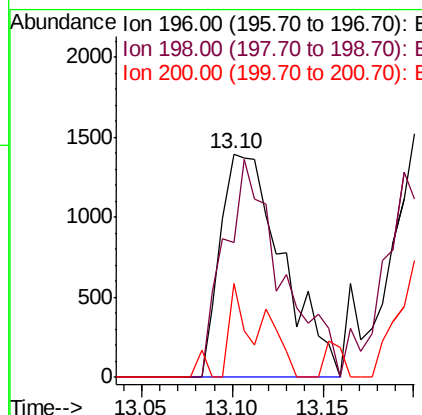
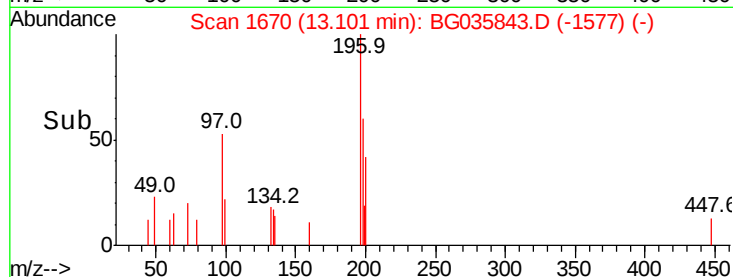
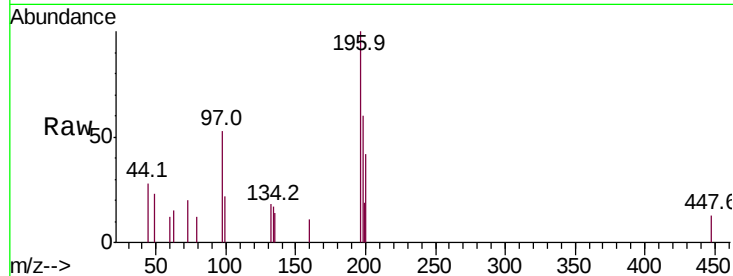
#42
 2,4,6-Trichlorophenol
 Concen: 1.709 ng
 RT: 13.10 min Scan# 1670
 Delta R.T. 0.01 min
 Lab File: BG035843.D
 Acq: 24 Jul 2018 11:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
196	100		
198	60.4	78.2	117.2#
200	42.1	24.6	36.8#

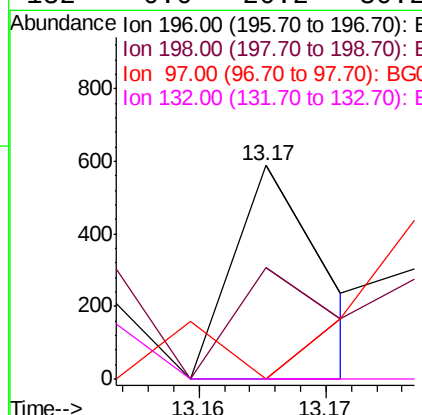
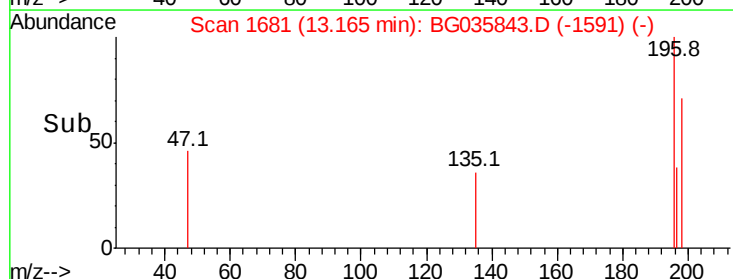
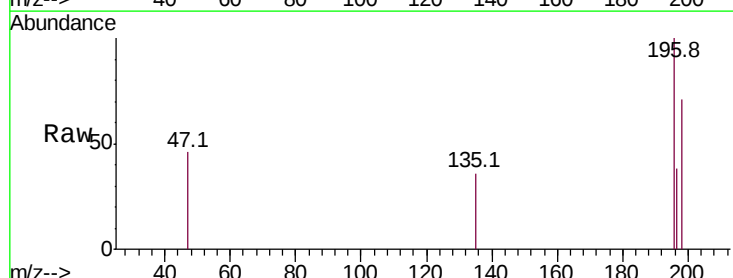
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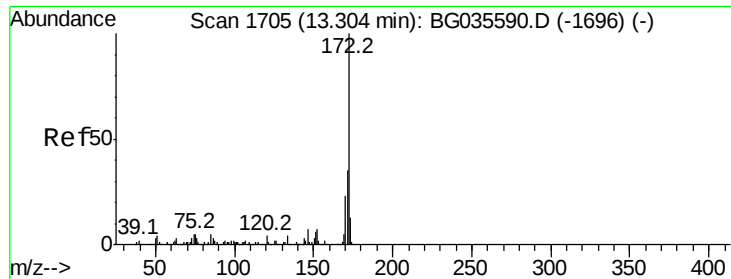
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#43
 2,4,5-Trichlorophenol
 Concen: 0.134 ng
 RT: 13.17 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: BG035843.D
 Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
196	100		
198	52.0	76.2	114.4#
97	0.0	38.7	58.1#
132	0.0	20.2	30.2#





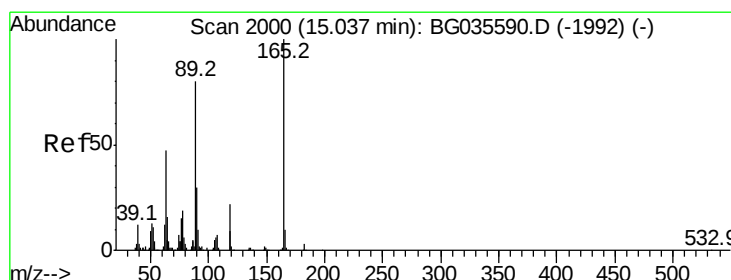
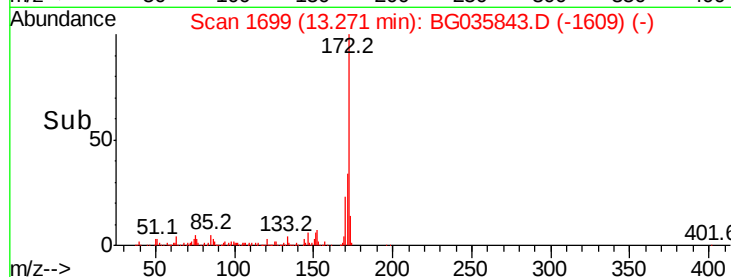
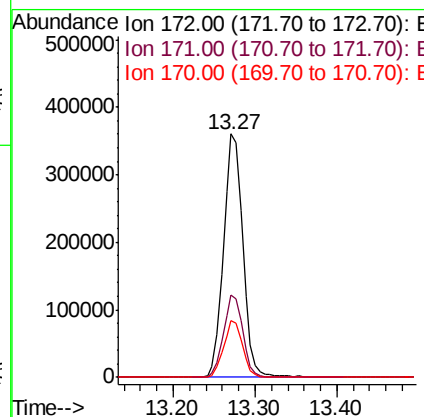
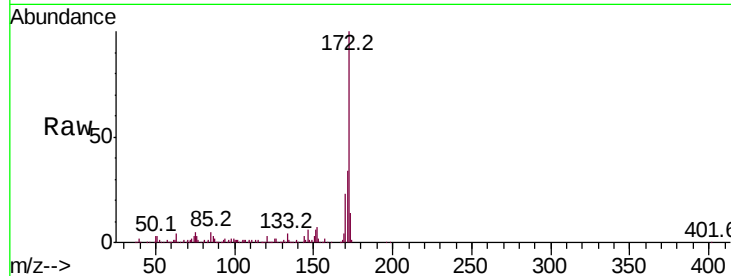
#44
2-Fluorobiphenyl
Concen: 90.578 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
172	100	595150		
171	33.9		30.0	45.0
170	23.4		19.5	29.3

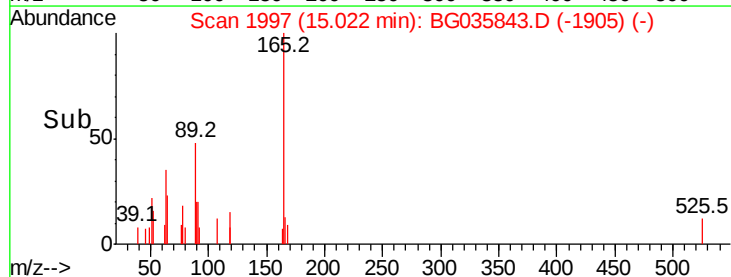
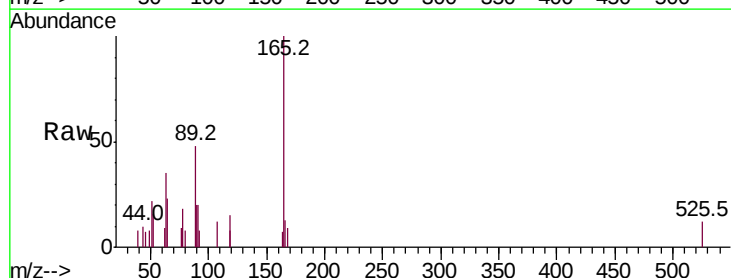
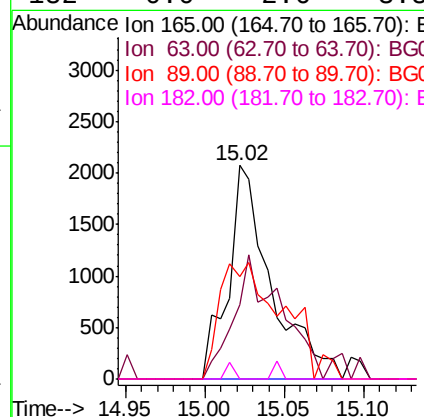
Manual Integrations
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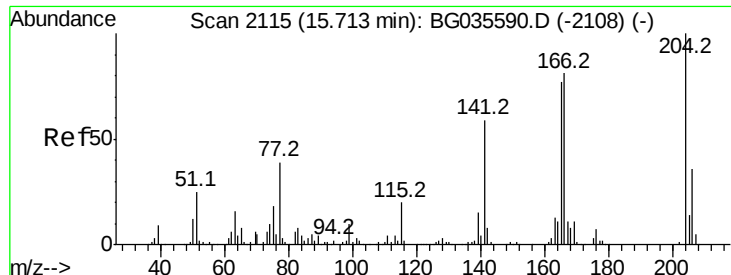
Sohil
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#56
2,4-Dinitrotoluene
Concen: 1.733 ng
RT: 15.02 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	3905		
63	34.8		42.0	63.0#
89	48.1		66.9	100.3#
182	0.0		2.6	3.8#





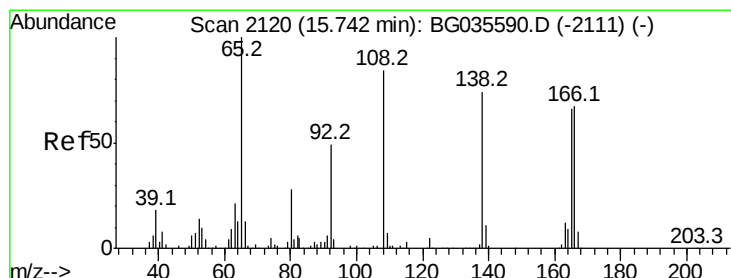
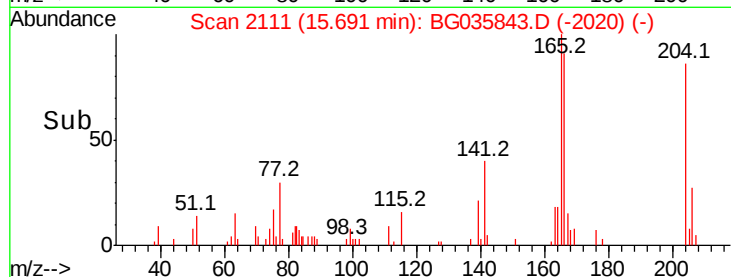
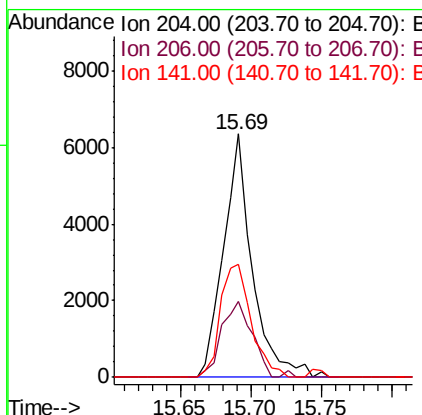
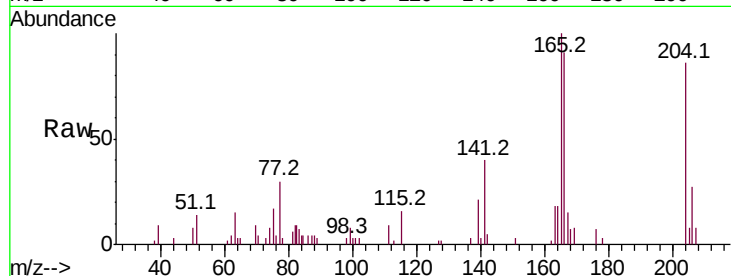
#60
4-Chlorophenyl-phenylether
Concen: 2.072 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.0	26.2	39.2
141	46.4	45.8	68.6

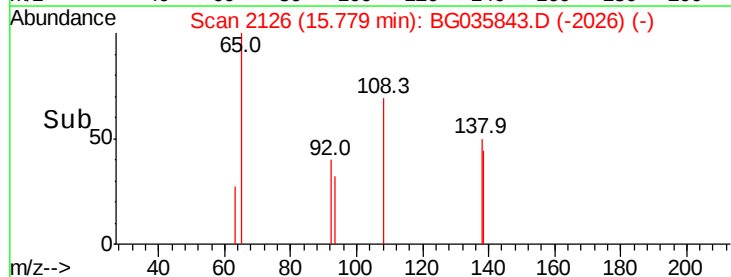
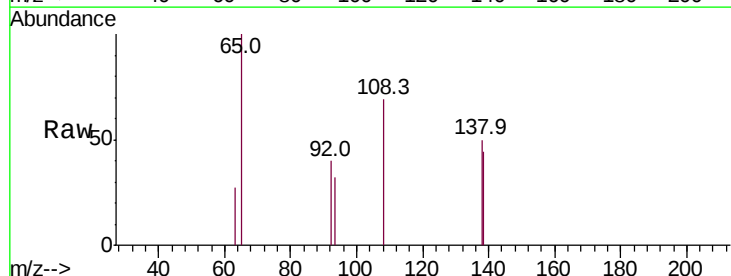
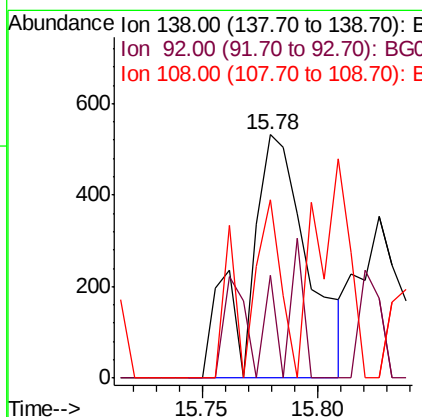
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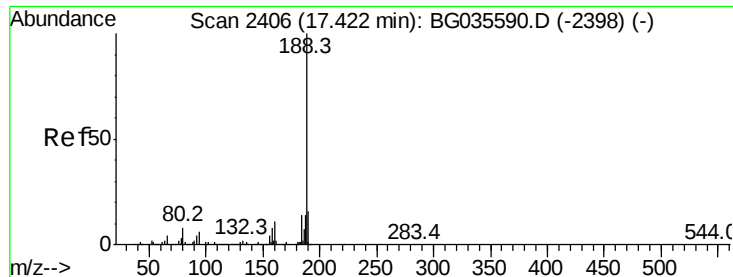
Sohil
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#61
4-Nitroaniline
Concen: 0.568 ng
RT: 15.78 min Scan# 2126
Delta R.T. 0.06 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	42.3	40.1	80.1
108	73.1	65.4	105.4





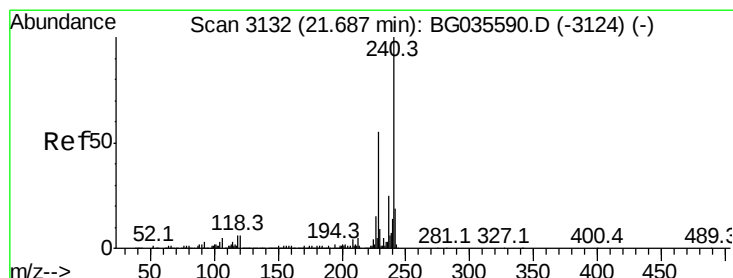
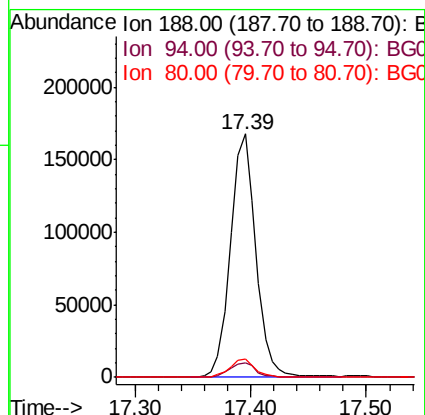
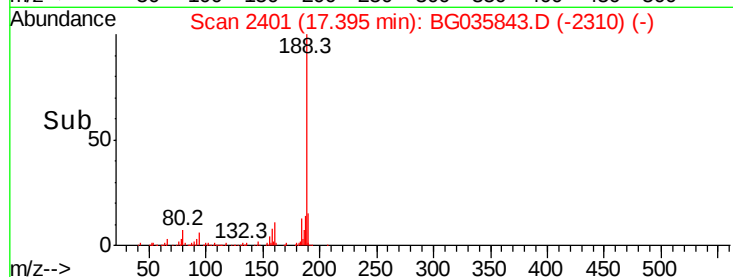
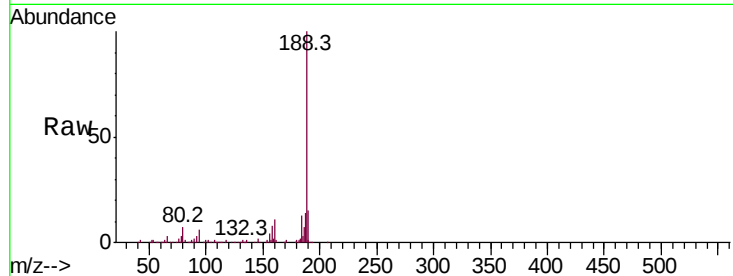
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.4	7.7	11.5#

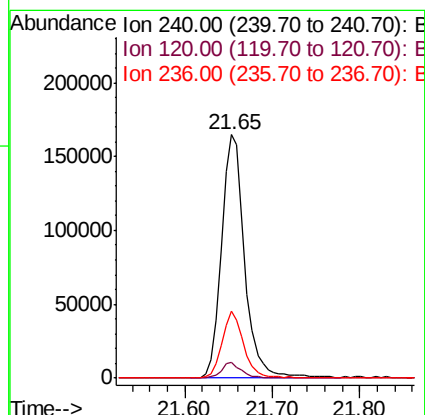
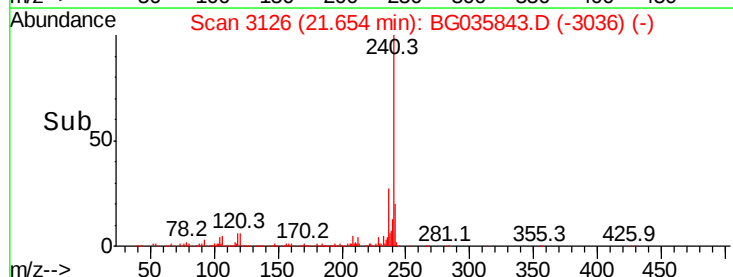
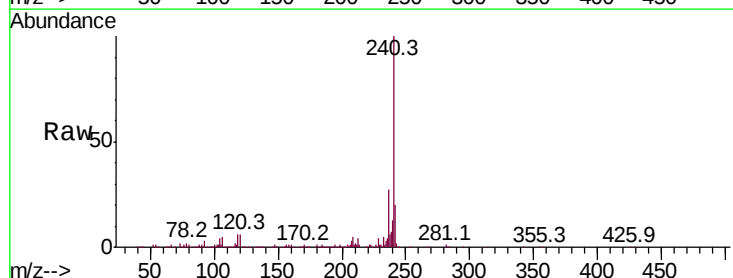
Manual Integrations
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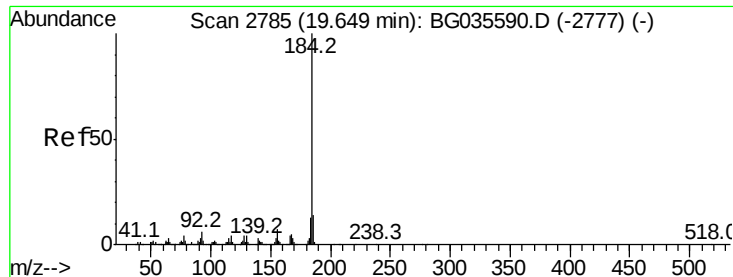
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG035843.D
Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.3	6.8	10.2#
236	27.5	20.9	31.3





#76

Benzidine

Concen: 0.467 ng

RT: 19.66 min Scan# 2787

Delta R.T. 0.04 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Instrument :

BNA_G

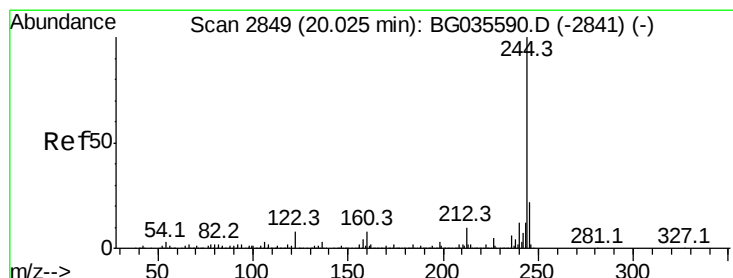
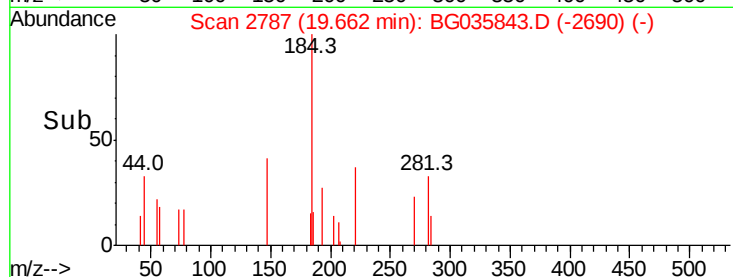
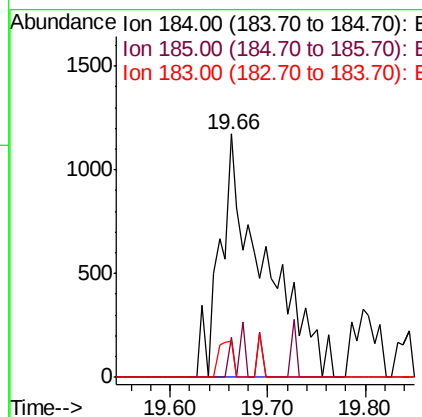
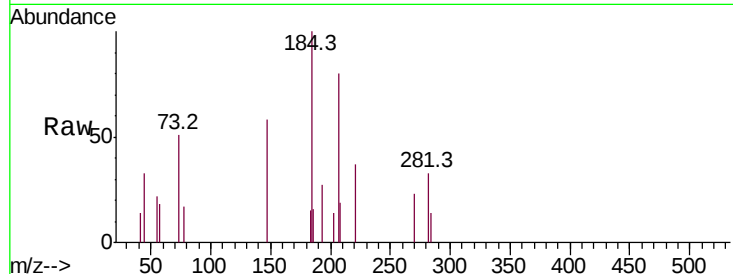
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
184	100		
185	16.5	11.1	16.7
183	14.7	10.6	16.0

Manual Integrations
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#78

Terphenyl-d14

Concen: 100.402 ng

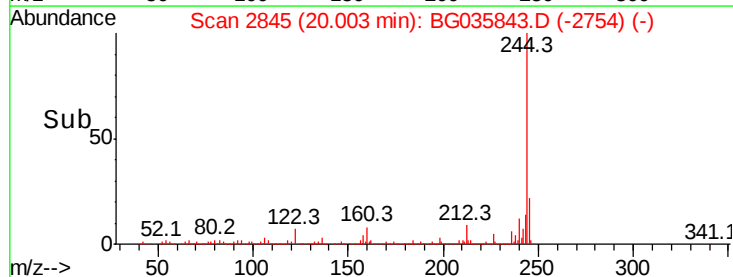
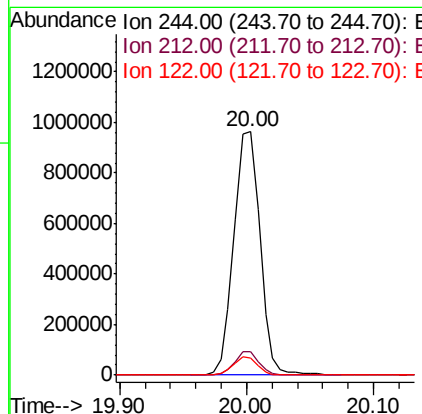
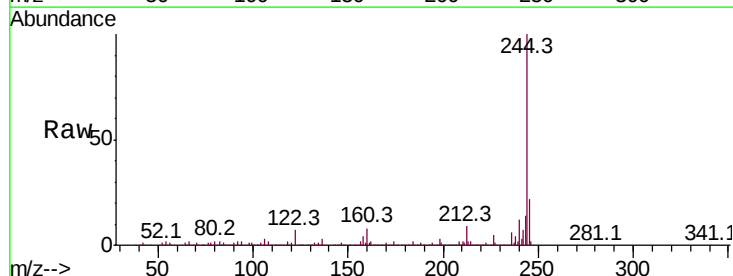
RT: 20.00 min Scan# 2845

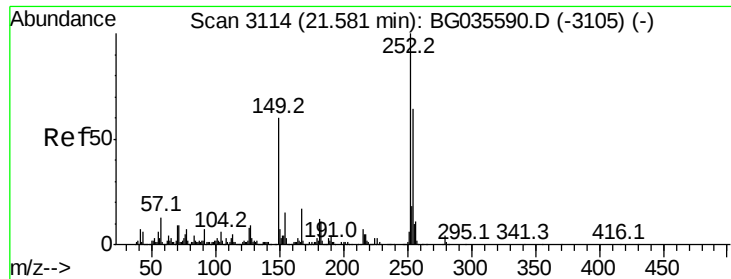
Delta R.T. 0.00 min

Lab File: BG035843.D

Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.8	8.8#
122	7.0	7.0	10.4





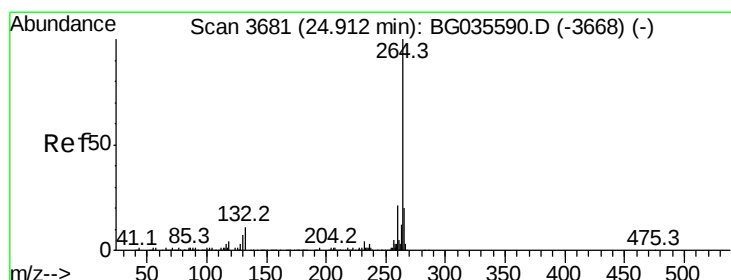
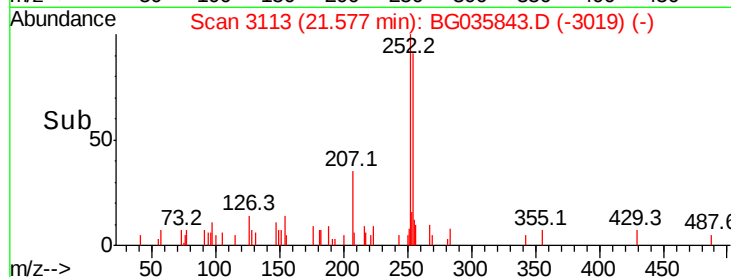
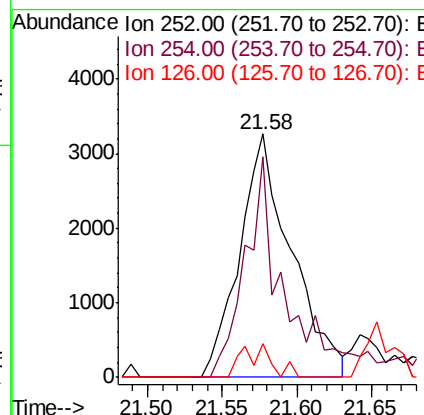
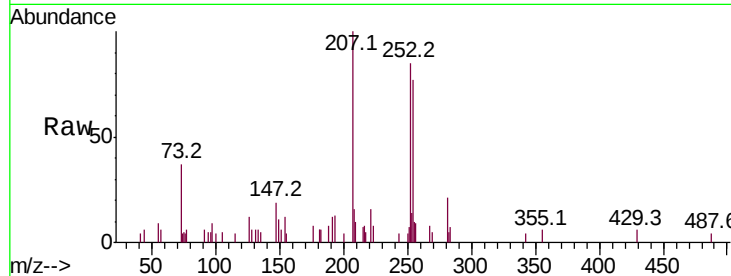
#81
 3,3'-Dichlorobenzidine
 Concen: 1.199 ng
 RT: 21.58 min Scan# 3113
 Delta R.T. 0.02 min
 Lab File: BG035843.D
 Acq: 24 Jul 2018 11:51

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	90.7	50.8	76.2#
126	13.9	7.4	11.2#

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3671
 Delta R.T. -0.00 min
 Lab File: BG035843.D
 Acq: 24 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	19.8	17.7	26.5

