

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035849.D
 Acq On : 24 Jul 2018 16:02
 Operator : JU/SJ
 Sample : J3762-03
 Misc : MDL 2PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
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Sohil
 7/25/2018 6:34:54 PM

Quant Time: Jul 25 17:21:23 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	34760	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	124281	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	84070	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	243801	20.00	ng	0.00
75) Chrysene-d12	21.65	240	299717	20.00	ng	0.00
86) Perylene-d12	24.86	264	273346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	251448	120.10	ng	0.00
7) Phenol-d6	7.19	99	357929	114.58	ng	0.00
23) Nitrobenzene-d5	9.19	82	248919	83.67	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	157781	142.39	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	587982	93.70	ng	0.00
78) Terphenyl-d14	20.00	244	1358951	99.95	ng	0.00
Target Compounds						
17) 2-Methylphenol	8.48	107	3333	1.553	ng	Qvalue # 83
19) n-Nitroso-di-n-propylamine	8.82	70	3132	1.191	ng	# 90
20) 3+4-Methylphenols	8.84	107	3882m	1.304	ng	
22) Acetophenone	8.85	105	6976	1.805	ng	# 85
25) Isophorone	9.75	82	9840	1.782	ng	# 85
26) 2-Nitrophenol	9.95	139	1963	1.847	ng	# 85
27) 2,4-Dimethylphenol	10.02	122	3251	1.807	ng	# 85
28) bis(2-Chloroethoxy)methane	10.26	93	4937m	1.622	ng	
29) 2,4-Dichlorophenol	10.53	162	3538m	1.723	ng	
30) 1,2,4-Trichlorobenzene	10.69	180	5712	2.269	ng	# 81
36) 4-Chloro-3-methylphenol	12.14	107	4388	1.594	ng	# 93
42) 2,4,6-Trichlorophenol	13.11	196	3213	1.731	ng	# 71
43) 2,4,5-Trichlorophenol	13.19	196	2108	1.015	ng	# 66
56) 2,4-Dinitrotoluene	15.02	165	3544	1.647	ng	# 75
60) 4-Chlorophenyl-phenylether	15.69	204	8558	2.065	ng	96
61) 4-Nitroaniline	15.77	138	1205m	0.751	ng	
76) Benzydine	19.67	184	3346	0.425	ng	# 66
81) 3,3'-Dichlorobenzidine	21.57	252	8869	1.362	ng	# 82

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

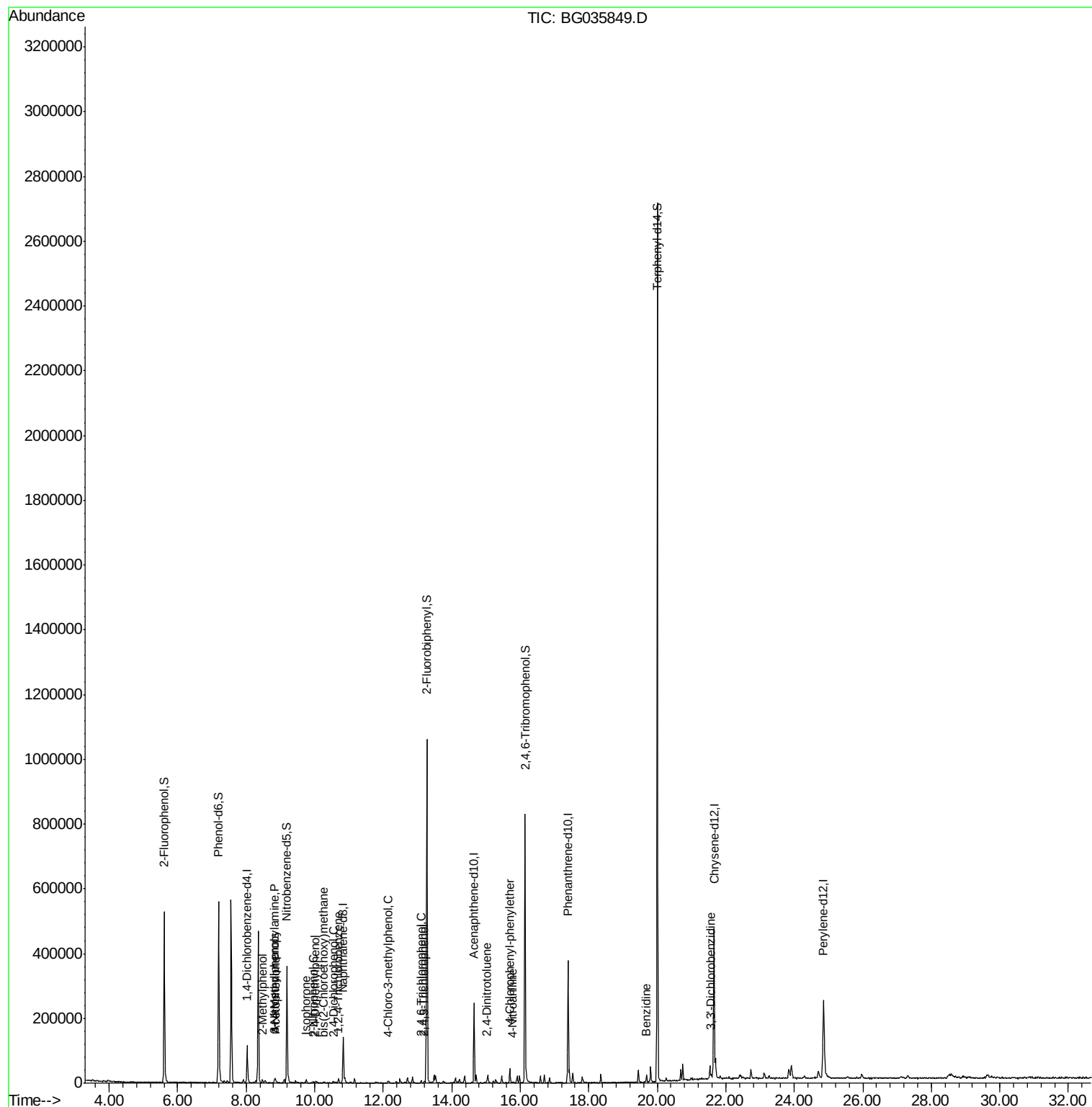
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
Data File : BG035849.D
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Sample : J3762-03
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ALS Vial : 11 Sample Multiplier: 1

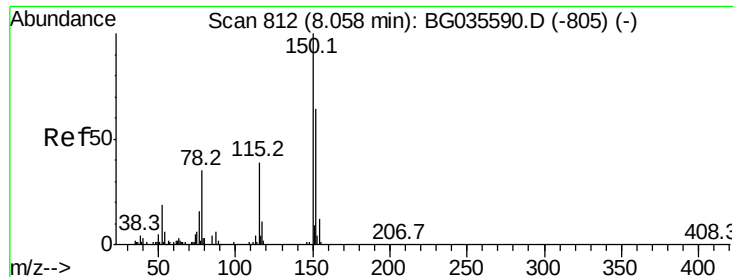
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Manual Integrations
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Quant Time: Jul 25 17:21:23 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

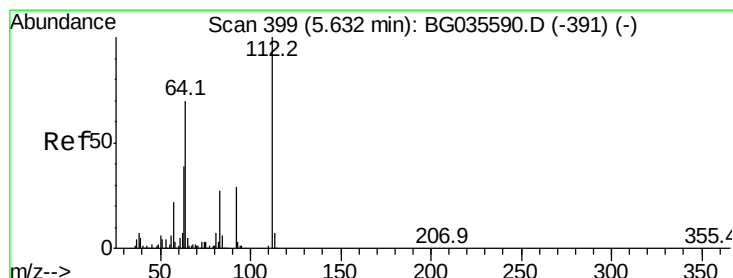
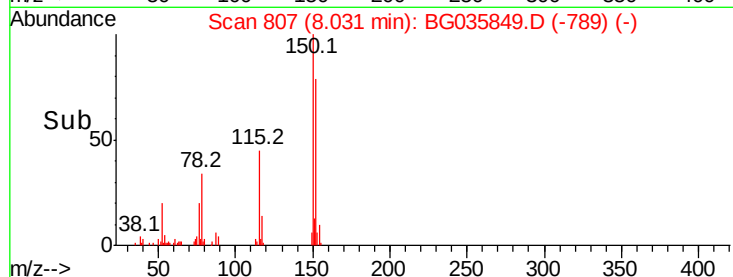
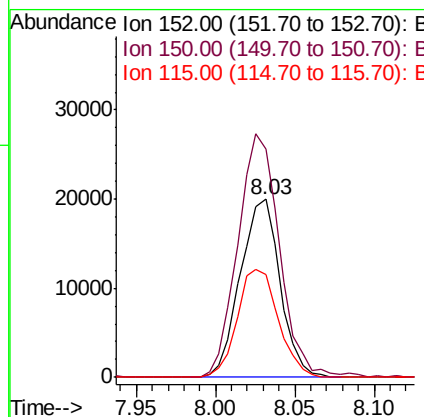
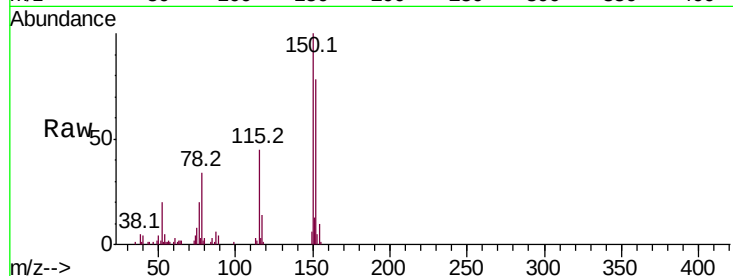
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	128.4	126.6	189.8
115	57.5	53.0	79.4

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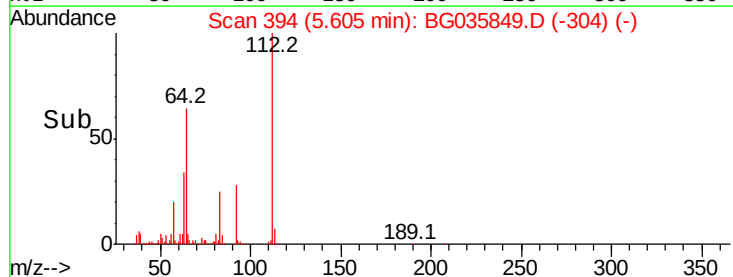
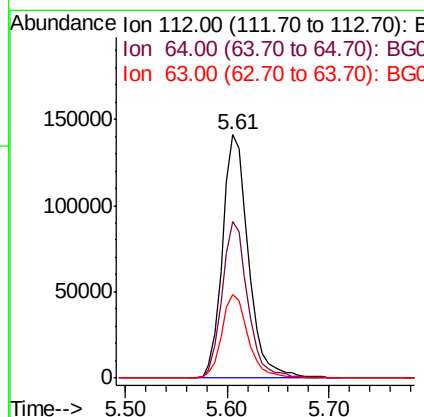
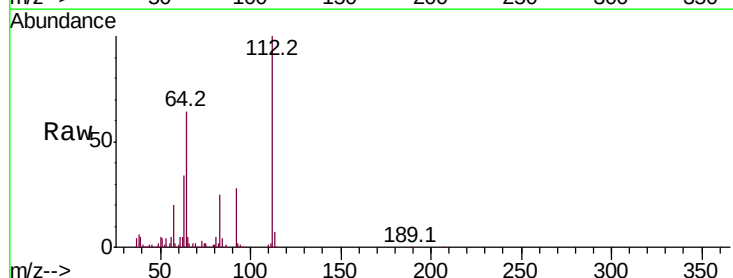
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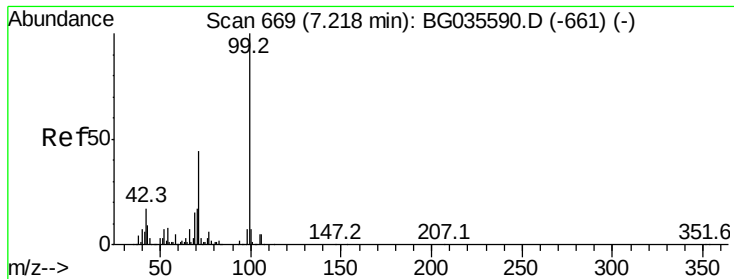


#5

2-Fluorophenol
Concen: 120.099 ng
RT: 5.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	56.3	84.5
63	34.5	30.1	45.1





#7

Phenol-d6

Concen: 114.583 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Instrument :

BNA_G

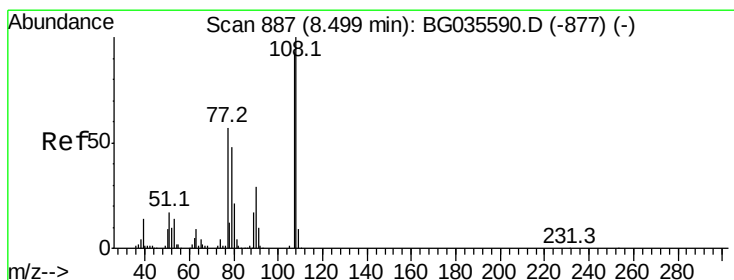
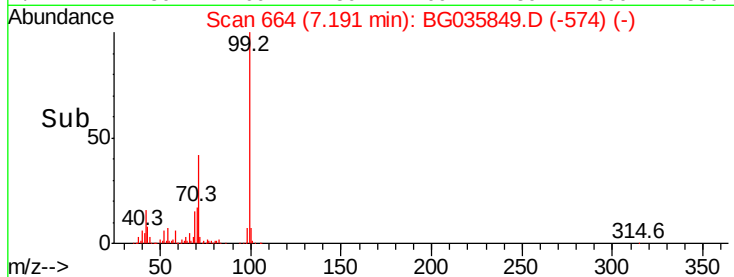
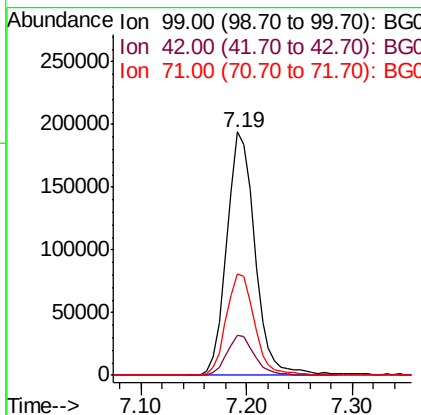
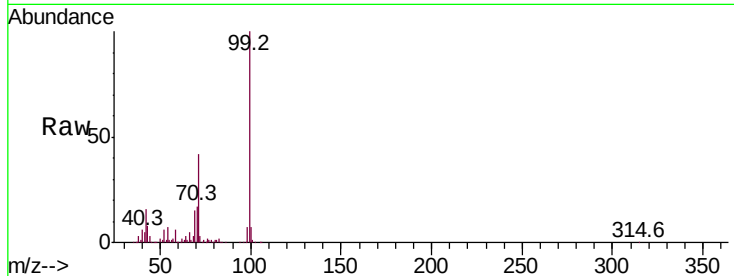
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		357929		
42	16.4	14.1	21.1		
71	41.6	26.1	39.1#		

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#17

2-Methylphenol

Concen: 1.553 ng

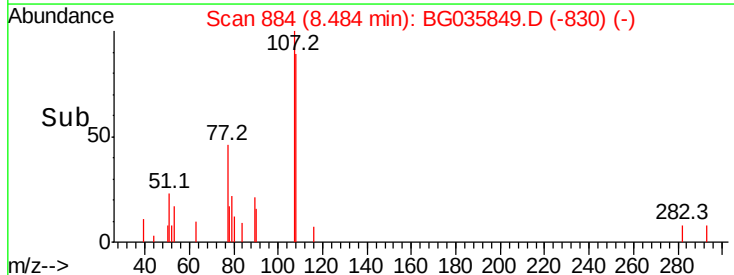
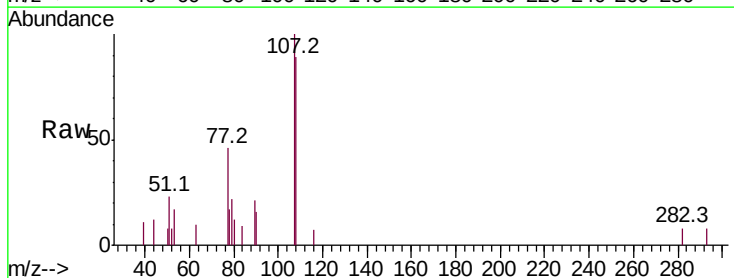
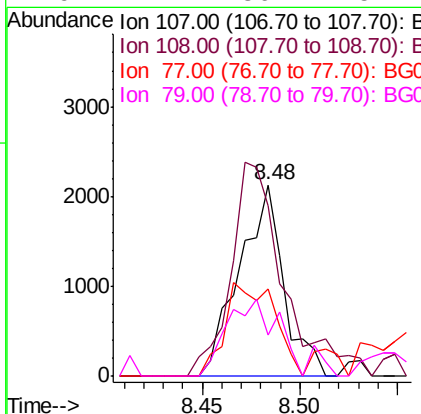
RT: 8.48 min Scan# 884

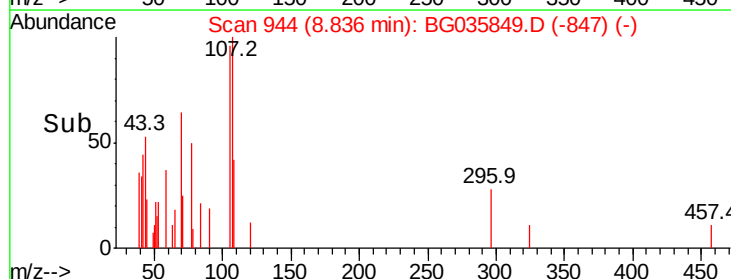
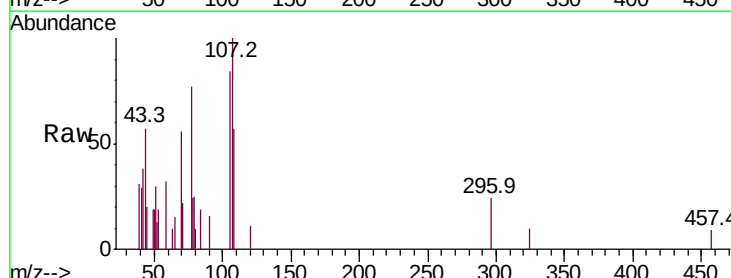
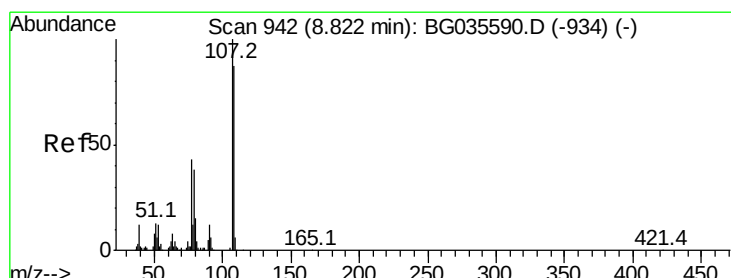
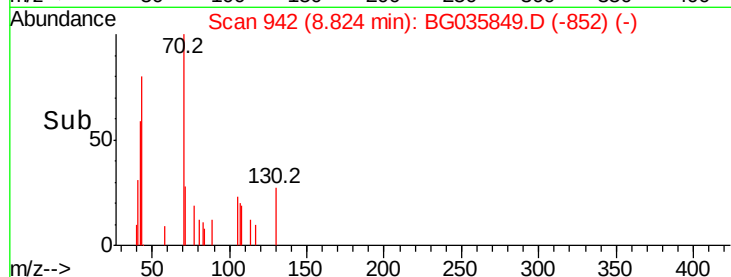
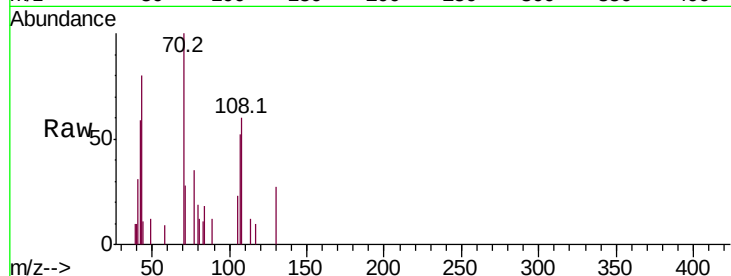
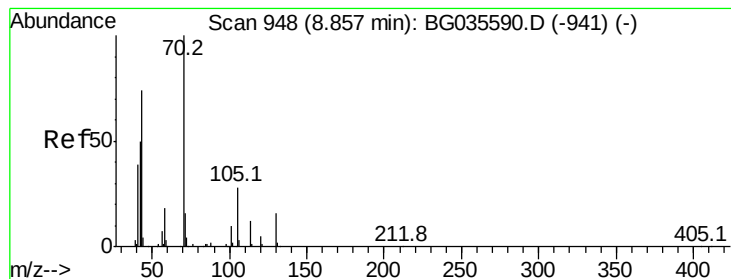
Delta R.T. 0.01 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		3333		
108	89.3	83.9	125.9		
77	45.6	37.2	55.8		
79	21.7	36.2	54.2#		





#19

n-Nitroso-di-n-propylamine

Concen: 1.191 ng

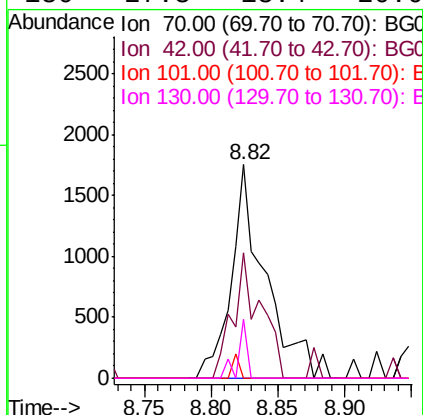
RT: 8.82 min Scan# 942

Delta R.T. -0.00 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Tot Ion	Ratio	Lower	Upper
70	100		
42	58.8	49.1	73.7
101	0.0	8.5	12.7#
130	27.3	13.4	20.0#



Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

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#20

3+4-Methylphenols

Concen: 1.304 ng m

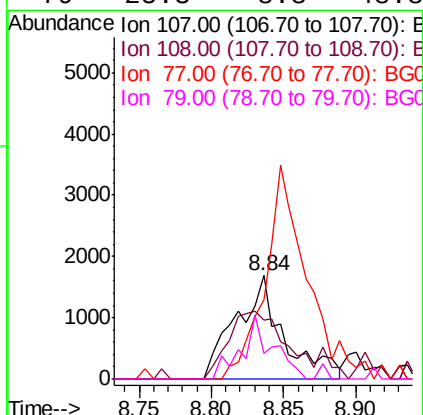
RT: 8.84 min Scan# 944

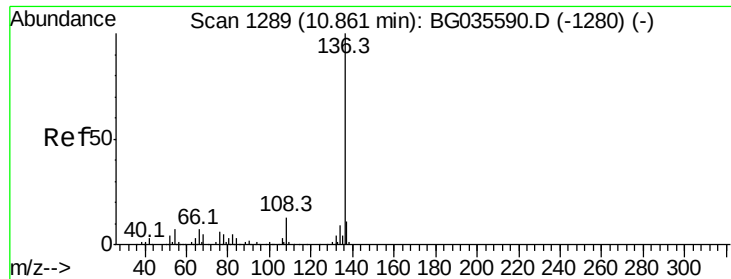
Delta R.T. 0.04 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	56.9	61.6	101.6#
77	76.6	13.9	53.9#
79	25.3	8.8	48.8





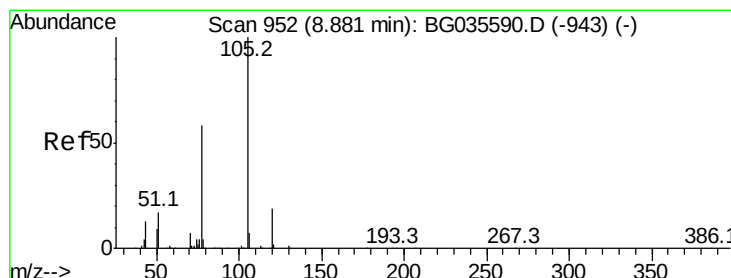
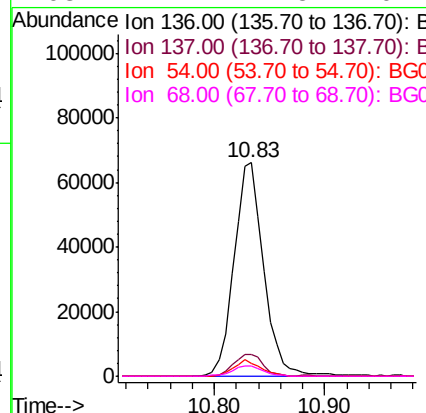
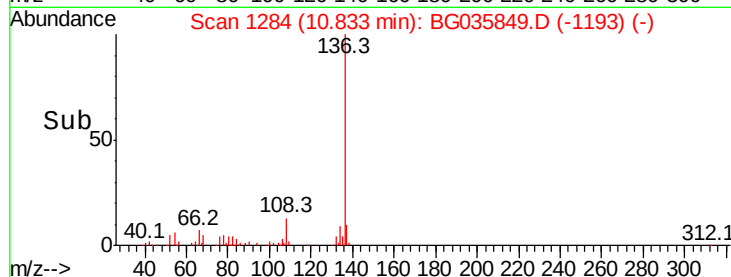
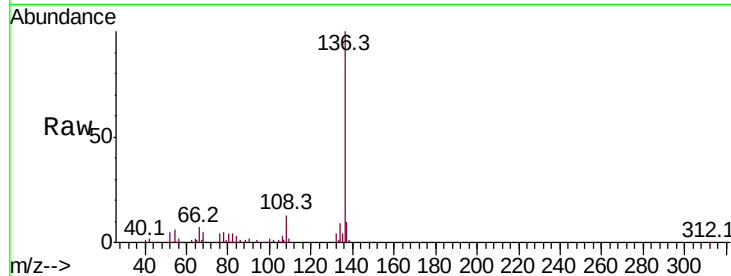
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.1	9.2	13.8	
54	6.0	10.3	15.5#	
68	4.7	4.5	6.7	

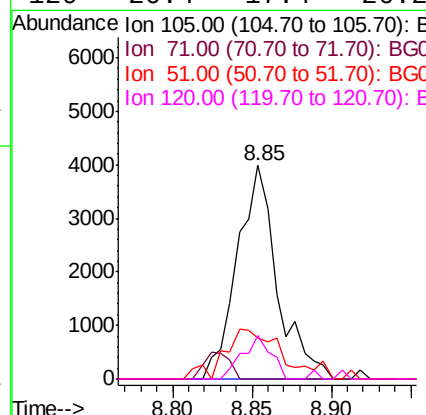
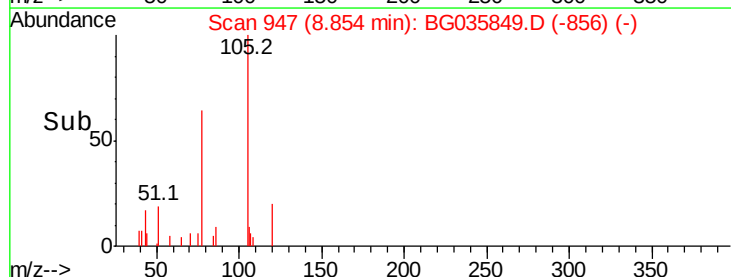
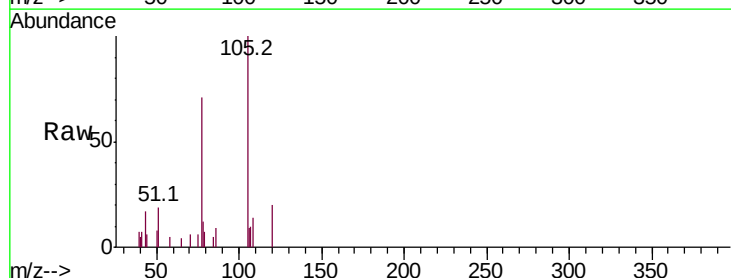
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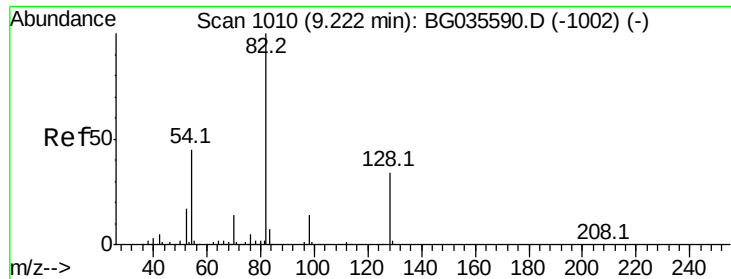
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#22
Acetophenone
Concen: 1.805 ng
RT: 8.85 min Scan# 947
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	3.0	4.4#	
51	19.0	26.1	39.1#	
120	20.4	17.4	26.2	





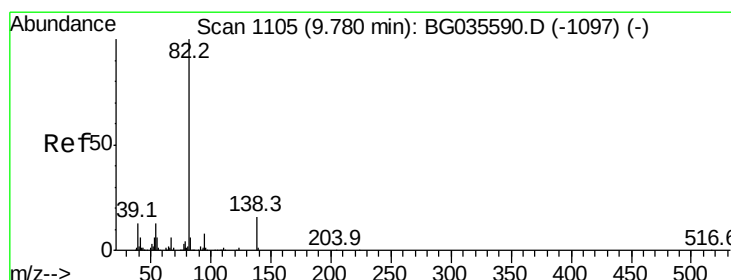
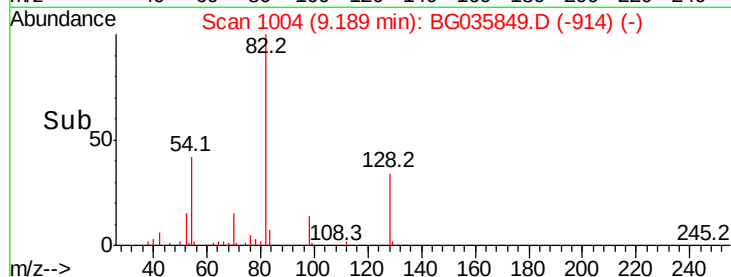
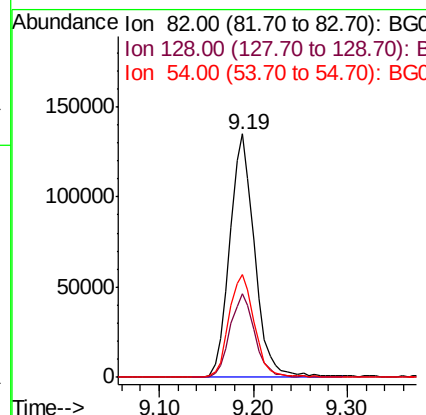
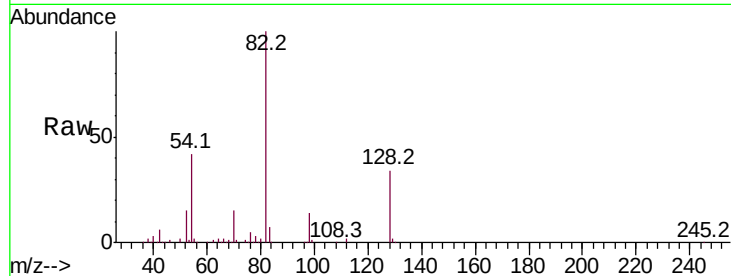
#23
Nitrobenzene-d5
Concen: 83.669 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.5	29.7	44.5	
54	42.1	43.1	64.7	

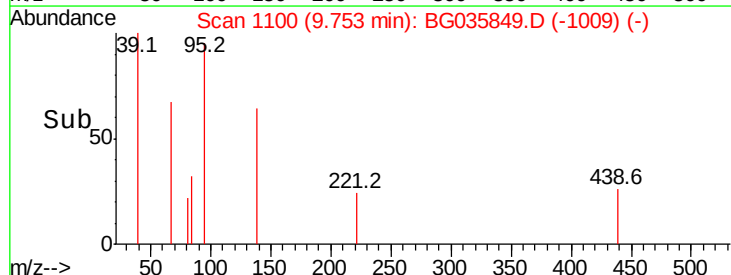
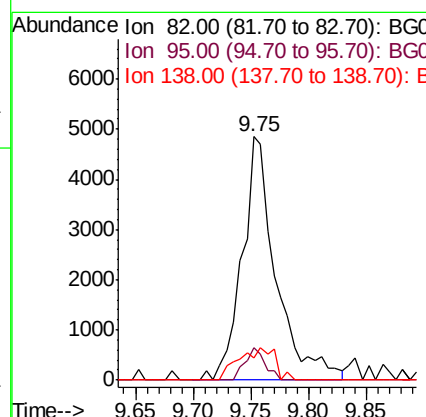
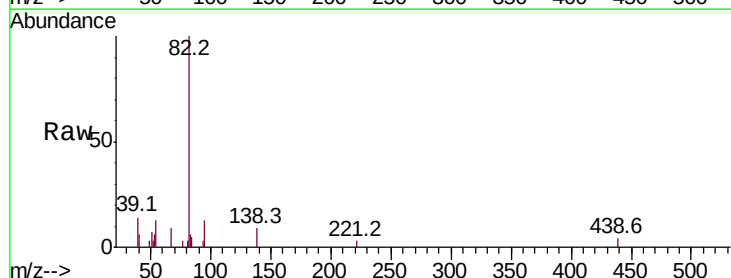
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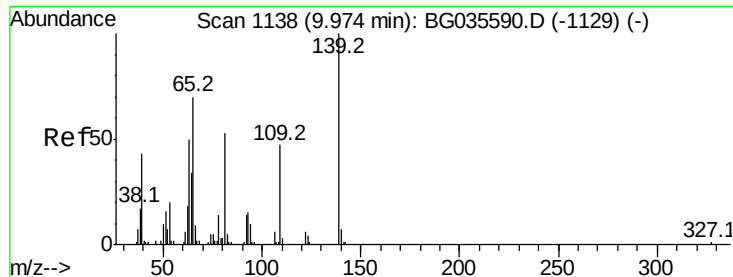
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#25
Isophorone
Concen: 1.782 ng
RT: 9.75 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
95	13.4	6.2	9.2	
138	9.1	12.1	18.1	





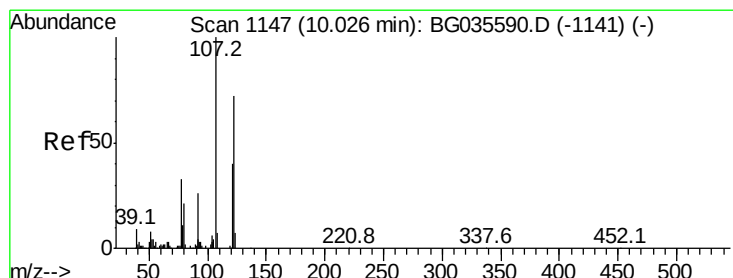
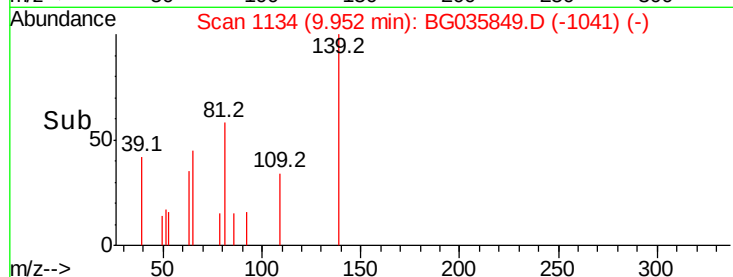
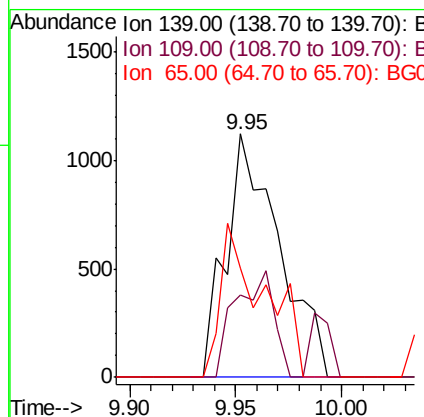
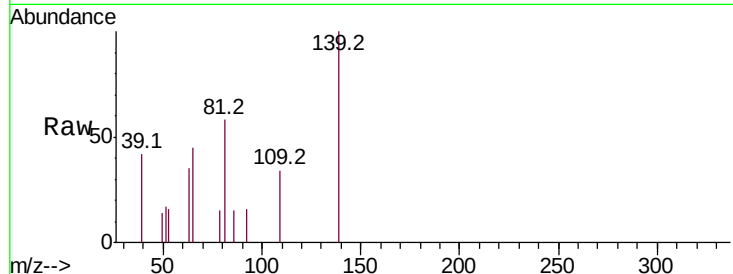
#26
2-Nitrophenol
Concen: 1.847 ng
RT: 9.95 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
139	100		
109	33.9	24.2	36.2
65	45.0	47.4	71.0

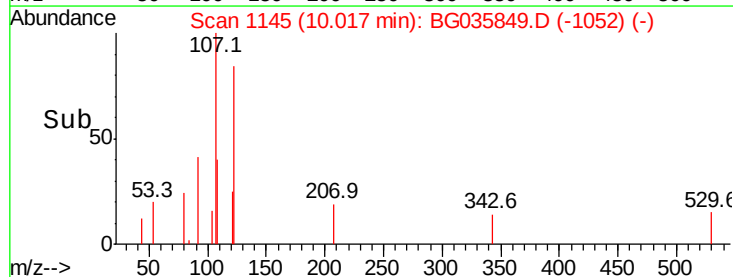
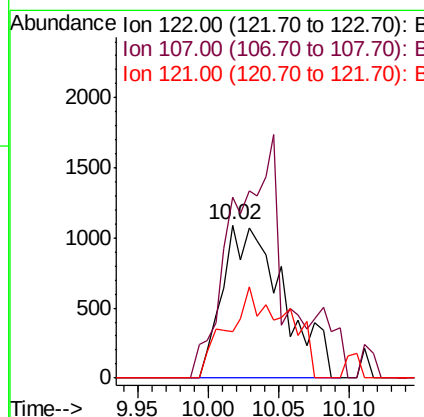
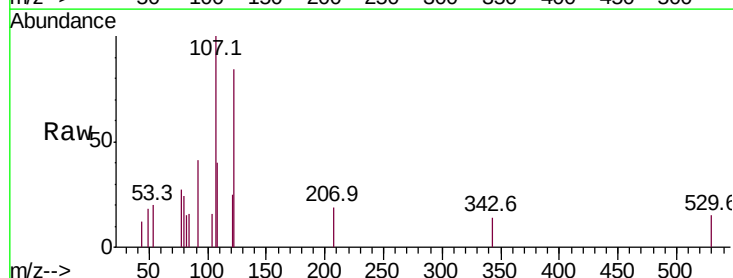
Manual Integrations
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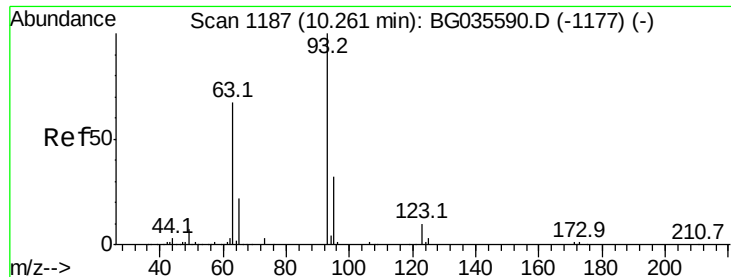
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#27
2,4-Dimethylphenol
Concen: 1.807 ng
RT: 10.02 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
122	100		
107	118.5	100.2	150.2
121	30.2	44.4	66.6





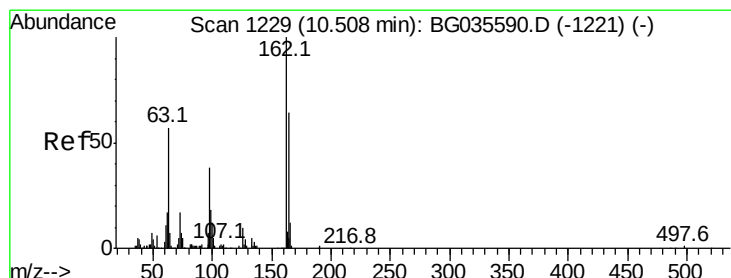
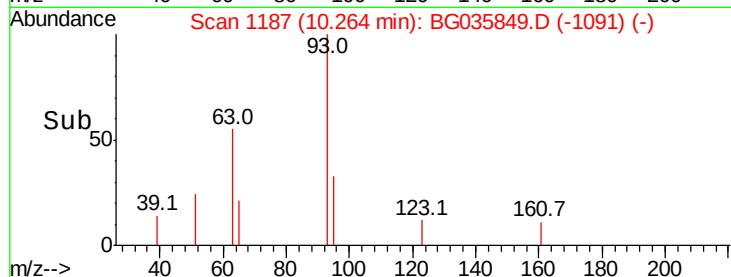
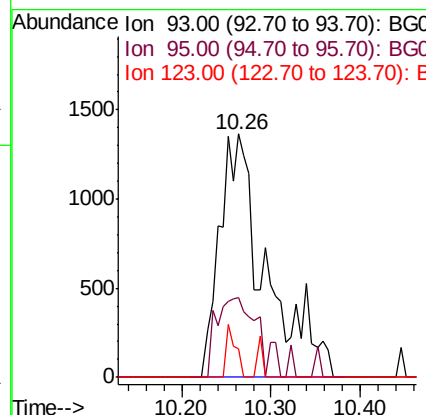
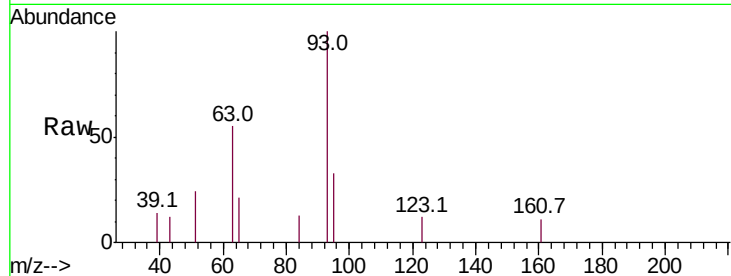
#28
bis(2-Chloroethoxy)methane
Concen: 1.622 ng m
RT: 10.26 min Scan# 1187
Delta R.T. 0.03 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
93	100		
95	32.8	24.3	36.5
123	11.6	8.4	12.6

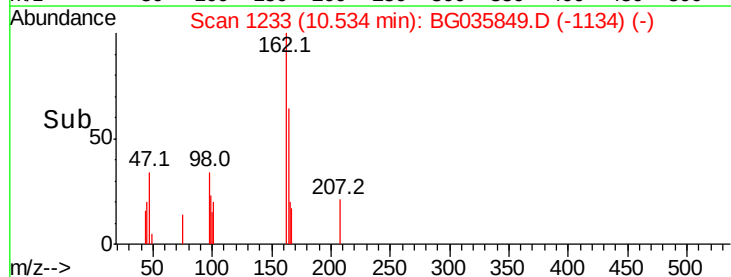
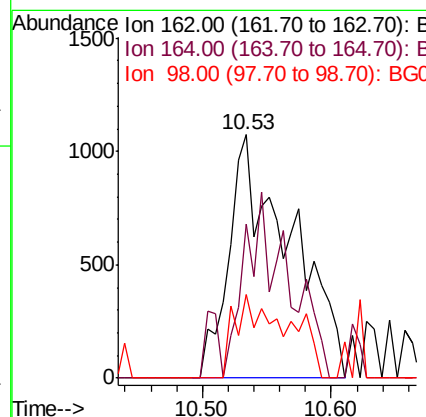
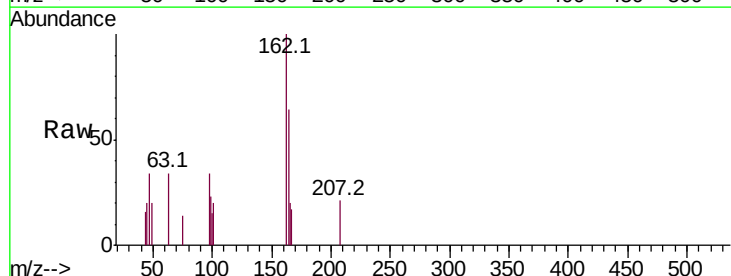
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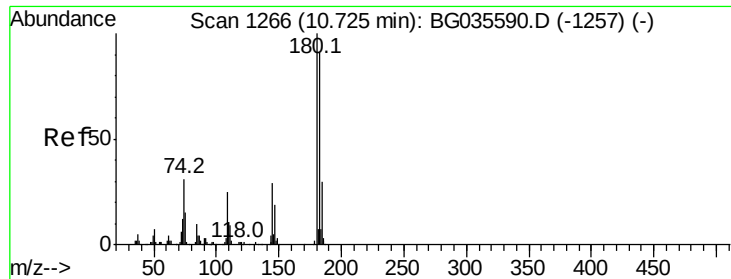
Sohil
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#29
2,4-Dichlorophenol
Concen: 1.723 ng m
RT: 10.53 min Scan# 1233
Delta R.T. 0.05 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.5	48.0	88.0
98	34.2	21.1	61.1





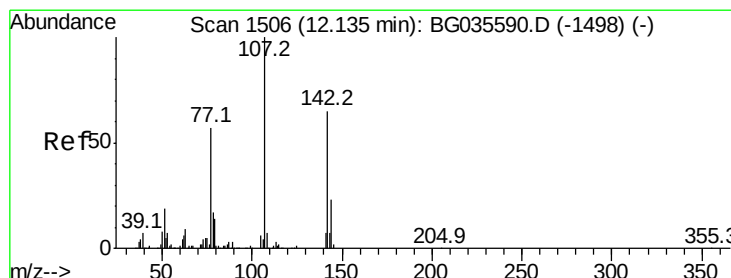
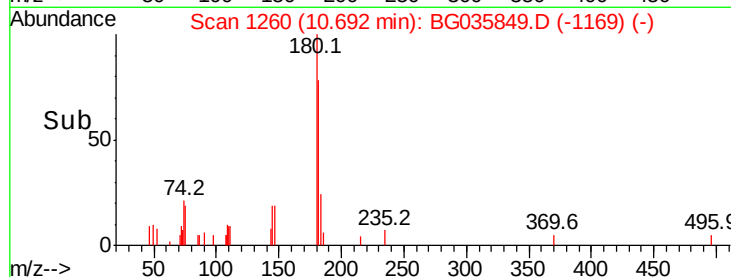
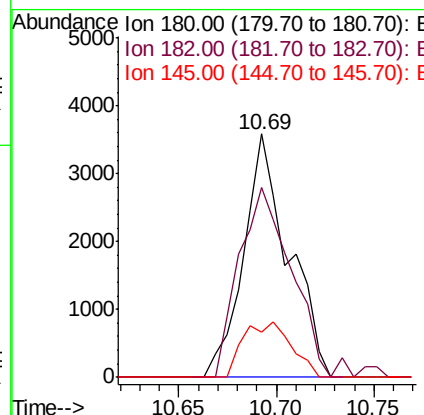
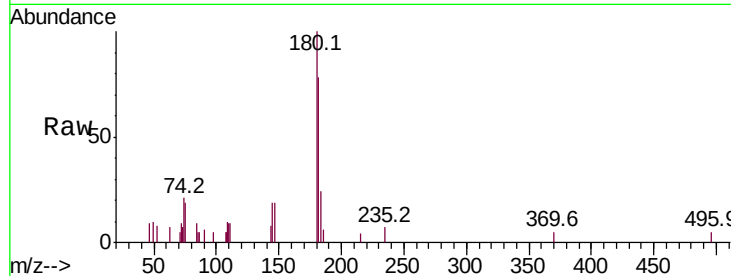
#30
 1,2,4-Trichlorobenzene
 Concen: 2.269 ng
 RT: 10.69 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: BG035849.D
 Acq: 24 Jul 2018 16:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.1	77.5	116.3
145	18.6	23.4	35.2#

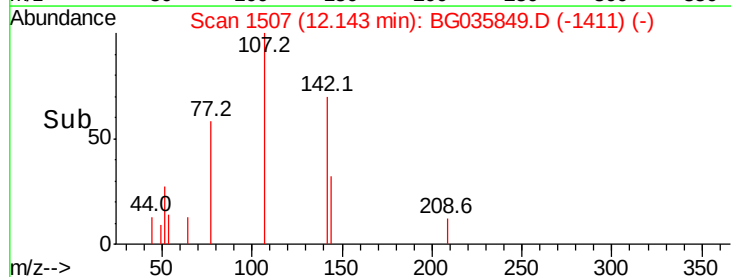
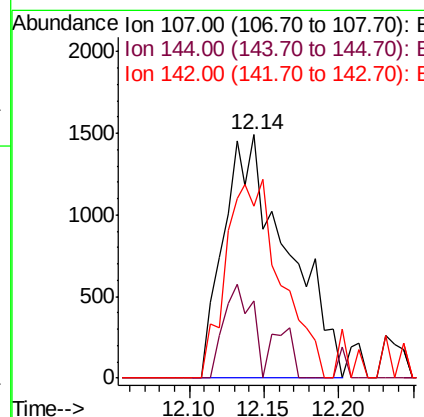
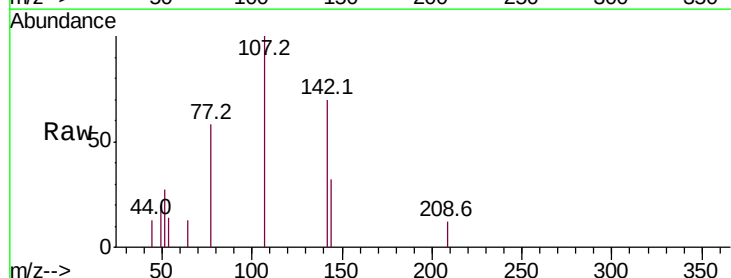
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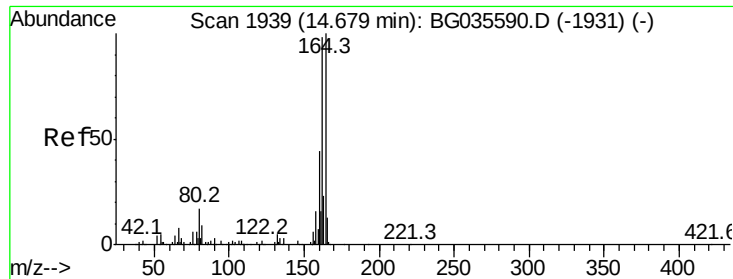
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 1.594 ng
 RT: 12.14 min Scan# 1507
 Delta R.T. 0.03 min
 Lab File: BG035849.D
 Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
107	100		
144	31.9	18.2	27.4#
142	70.4	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: BG035849.D

Acq: 24 Jul 2018 16:02

Instrument :

BNA_G

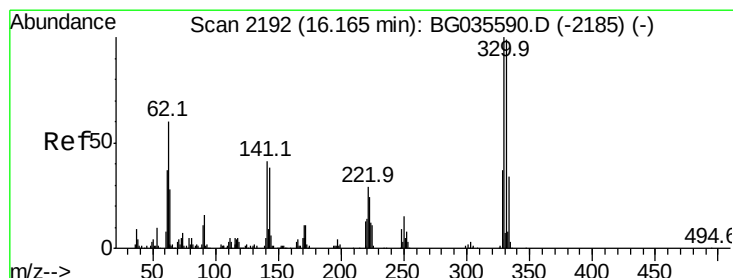
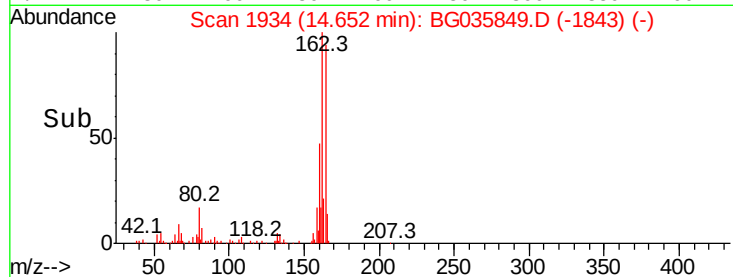
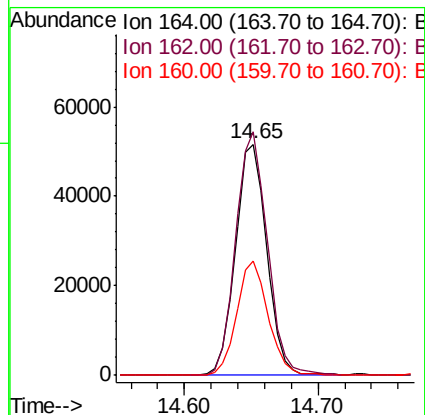
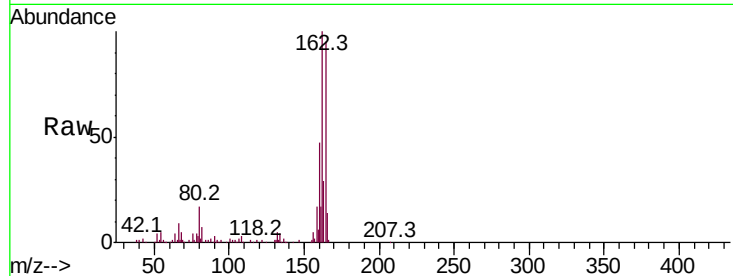
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:164 Resp: 84070
 Ion Ratio Lower Upper
 164 100
 162 105.2 78.8 118.2
 160 49.6 35.4 53.0

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#41

2,4,6-Tribromophenol

Concen: 142.389 ng

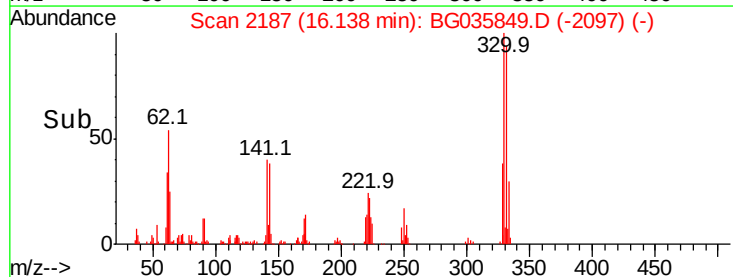
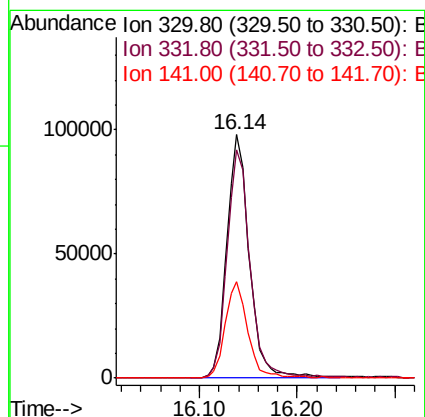
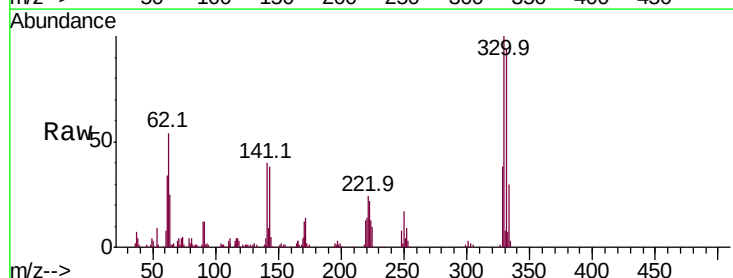
RT: 16.14 min Scan# 2187

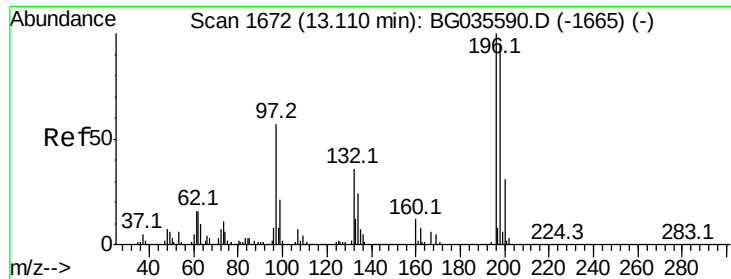
Delta R.T. -0.00 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Tgt Ion:330 Resp: 157781
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 39.4 25.2 37.8#





#42

2,4,6-Trichlorophenol

Concen: 1.731 ng

RT: 13.11 min Scan# 1671

Delta R.T. 0.02 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Instrument :

BNA_G

ClientSampleId :

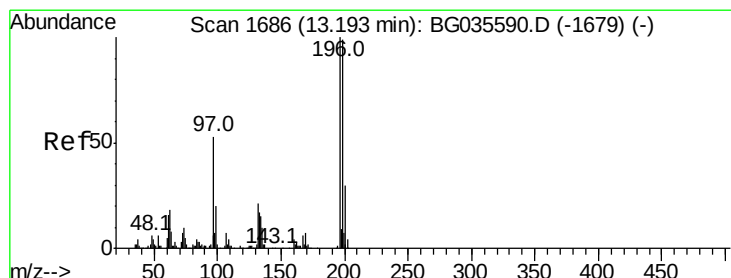
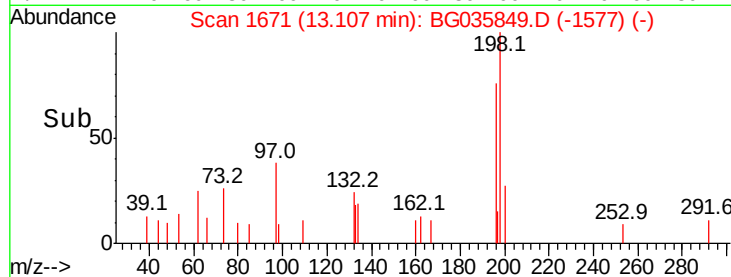
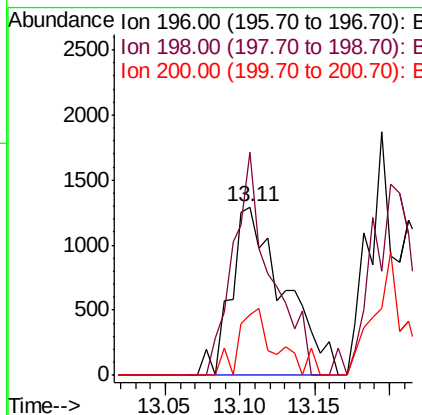
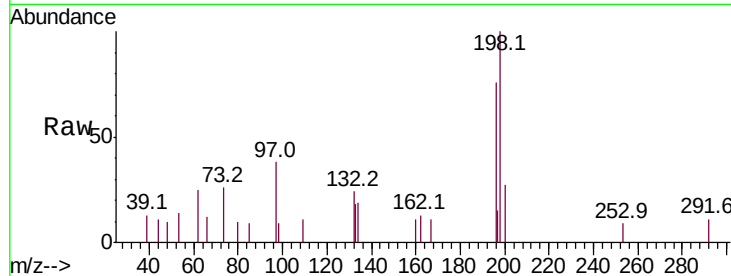
MDL-SOIL-03-QT3-2018

Tot Ion:	196	Resp:	3213
Ion Ratio	Lower	Upper	
196	100		
198	132.2	78.2	117.2#
200	35.8	24.6	36.8

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#43

2,4,5-Trichlorophenol

Concen: 1.015 ng

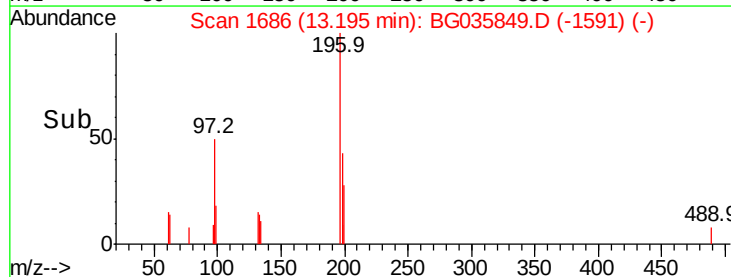
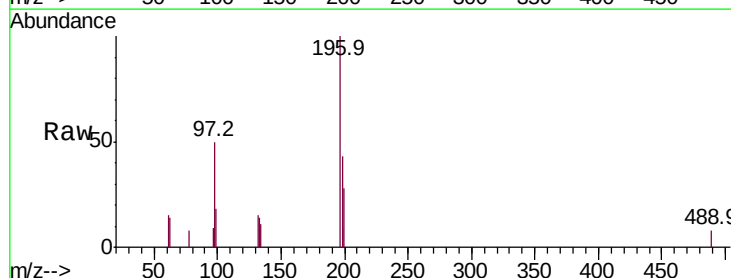
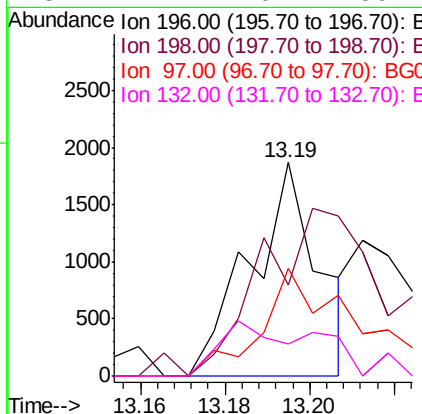
RT: 13.19 min Scan# 1686

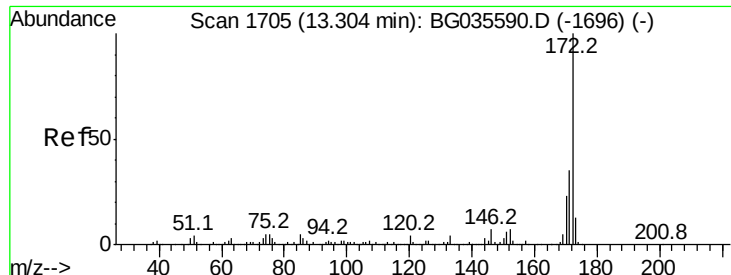
Delta R.T. 0.03 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Tgt Ion:	196	Resp:	2108
Ion Ratio	Lower	Upper	
196	100		
198	42.8	76.2	114.4#
97	50.4	38.7	58.1
132	14.7	20.2	30.2#





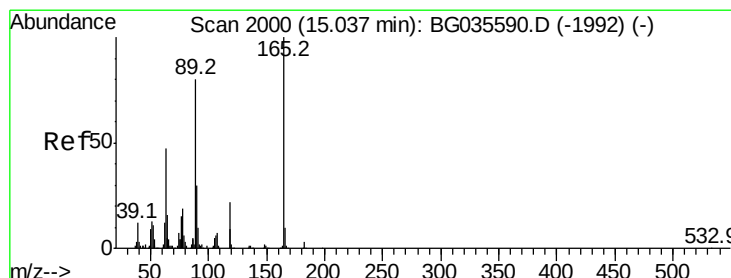
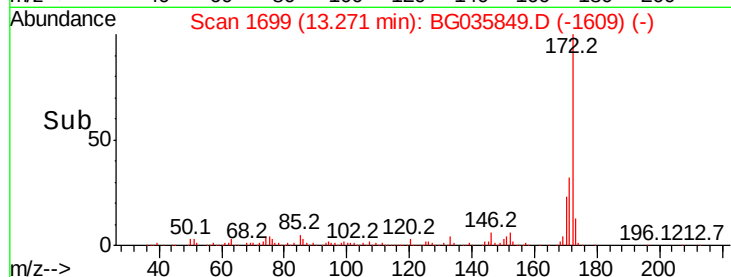
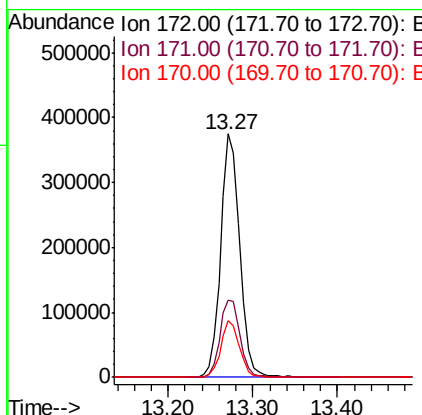
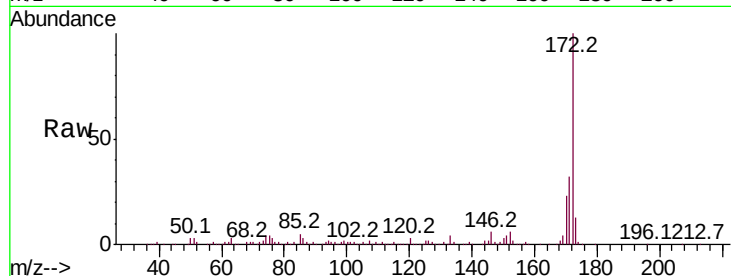
#44
2-Fluorobiphenyl
Concen: 93.701 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.9	30.0	45.0
170	23.4	19.5	29.3

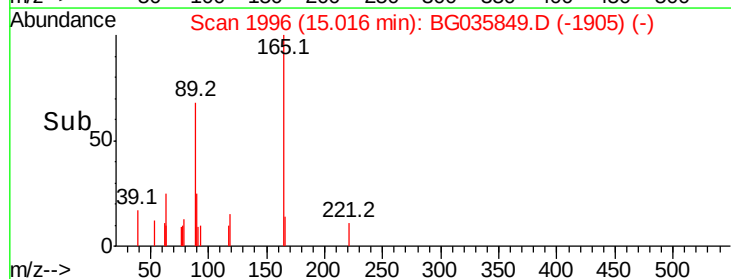
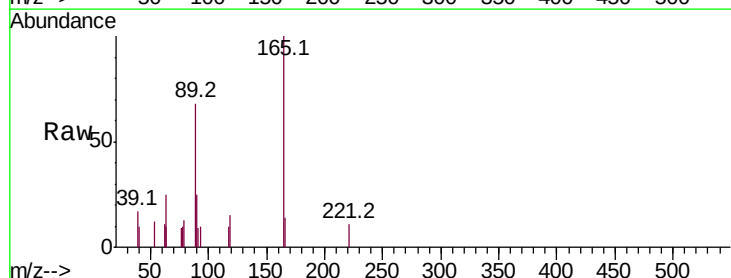
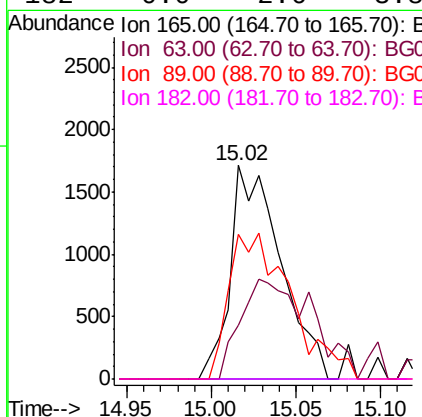
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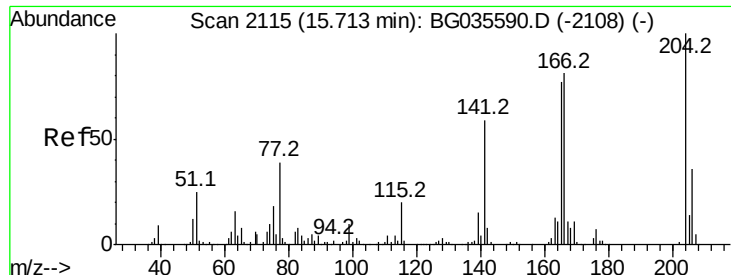
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#56
2,4-Dinitrotoluene
Concen: 1.647 ng
RT: 15.02 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	25.0	42.0	63.0#
89	67.8	66.9	100.3
182	0.0	2.6	3.8#





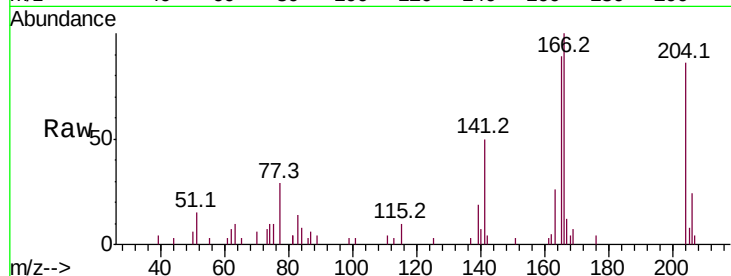
#60
4-Chlorophenyl-phenylether
Concen: 2.065 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

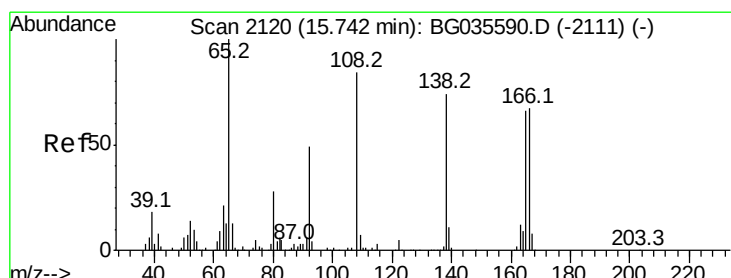
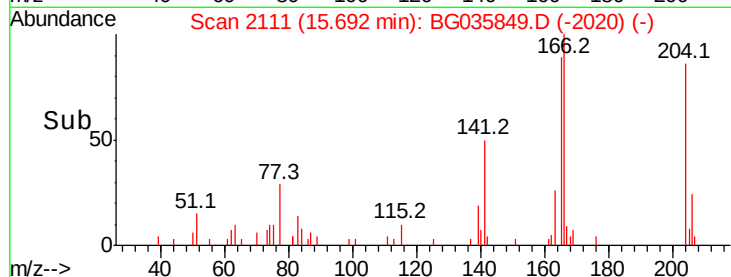
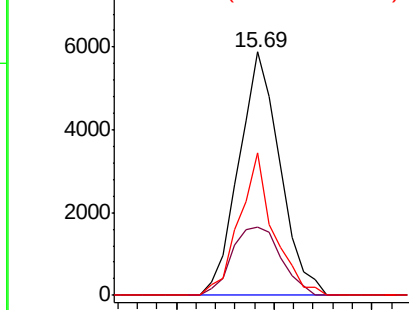
Tot Ion	Ratio	Lower	Upper
204	100		
206	27.8	26.2	39.2
141	58.4	45.8	68.6

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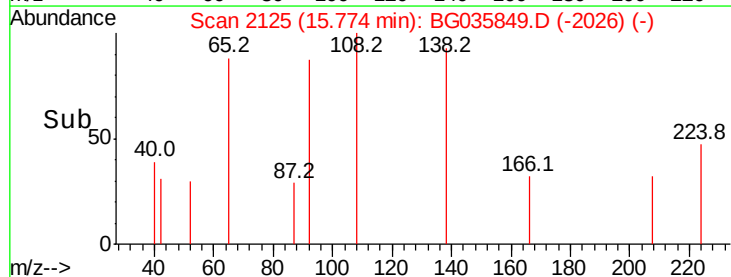
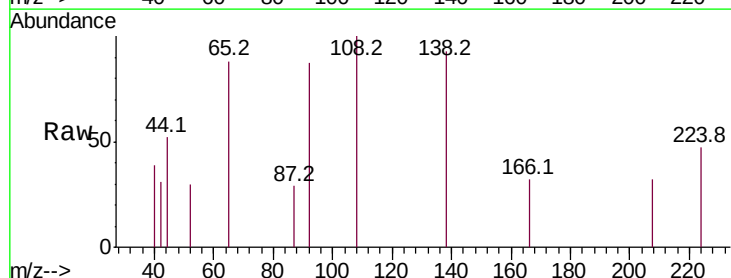
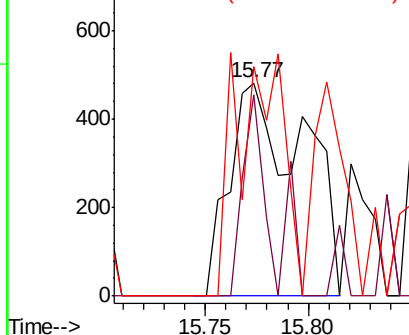
Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

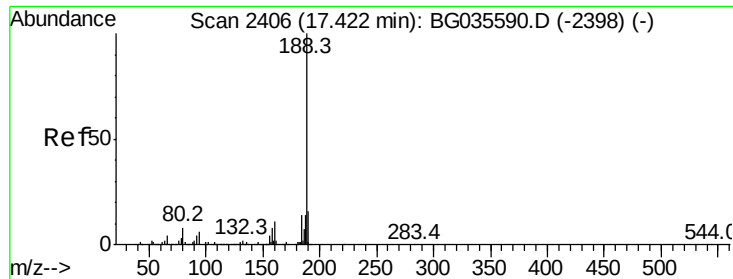


#61
4-Nitroaniline
Concen: 0.751 ng m
RT: 15.77 min Scan# 2125
Delta R.T. 0.05 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
138	100		
92	94.2	40.1	80.1#
108	107.9	65.4	105.4#

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





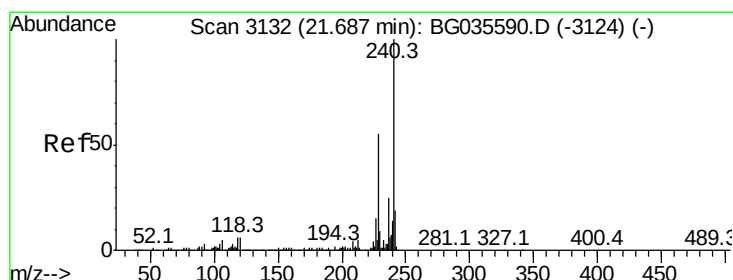
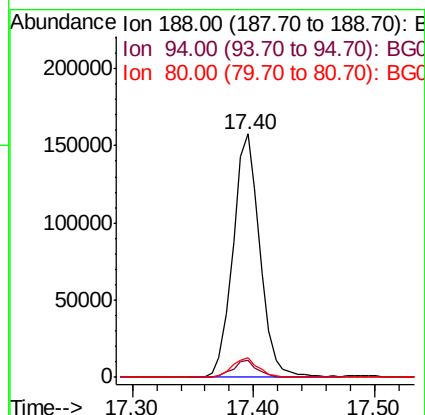
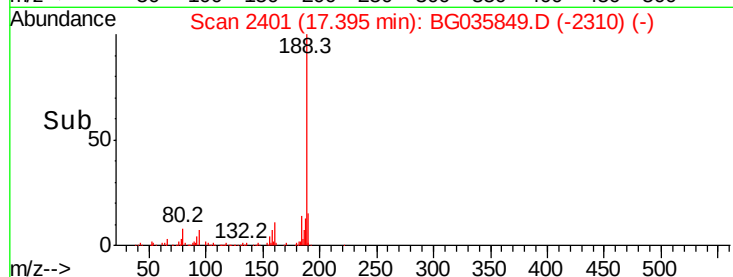
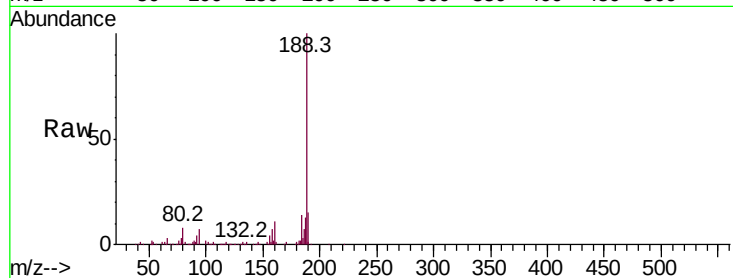
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.2	6.9	10.3
80	8.3	7.7	11.5

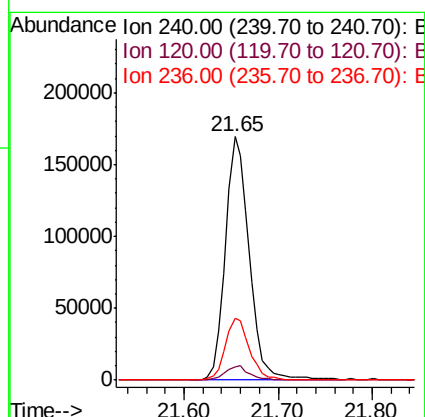
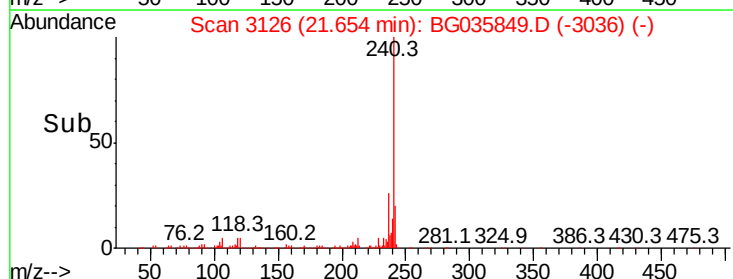
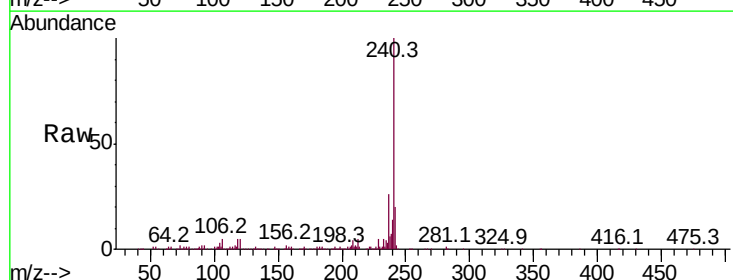
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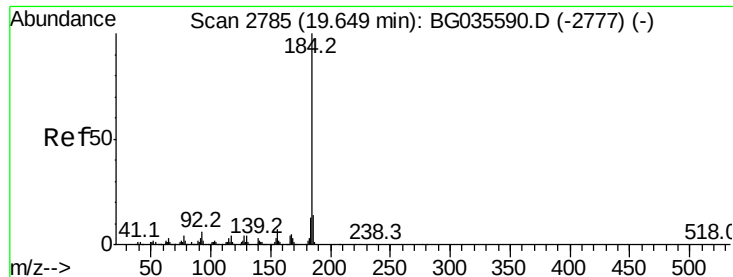
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG035849.D
Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	5.2	6.8	10.2#
236	25.5	20.9	31.3





#76

Benzidine

Concen: 0.425 ng

RT: 19.67 min Scan# 2788

Delta R.T. 0.04 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Instrument :

BNA_G

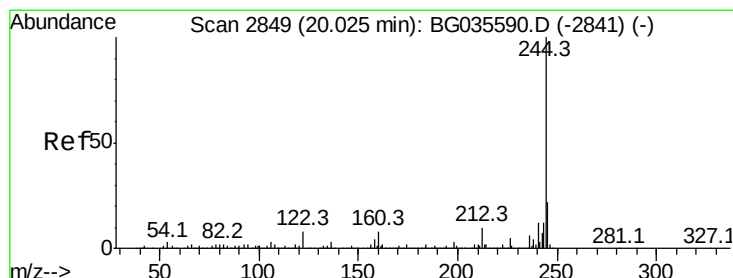
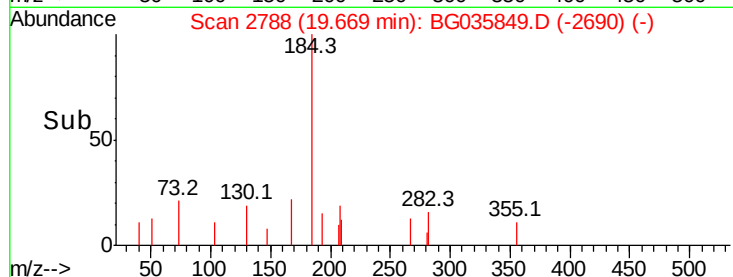
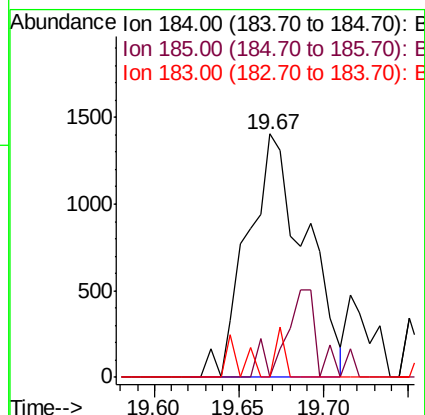
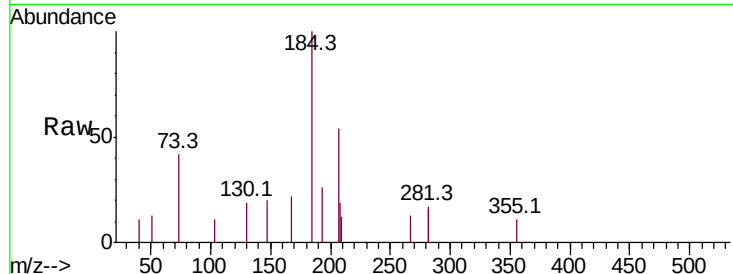
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tot Ion:	184	Resp:	3346
Ion Ratio	Lower	Upper	
184	100		
185	0.0	11.1	16.7#
183	0.0	10.6	16.0#

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#78

Terphenyl-d14

Concen: 99.946 ng

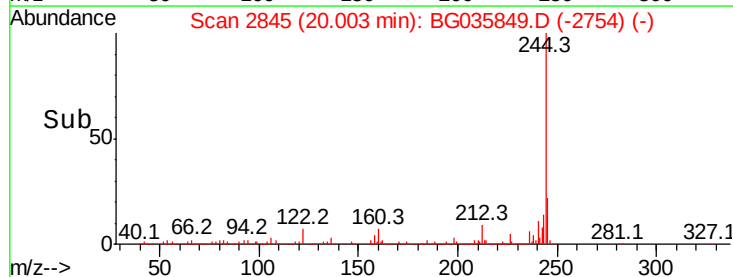
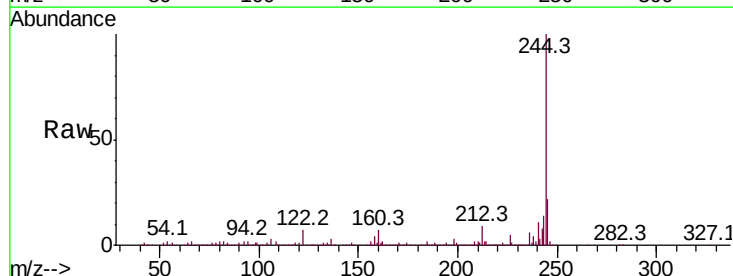
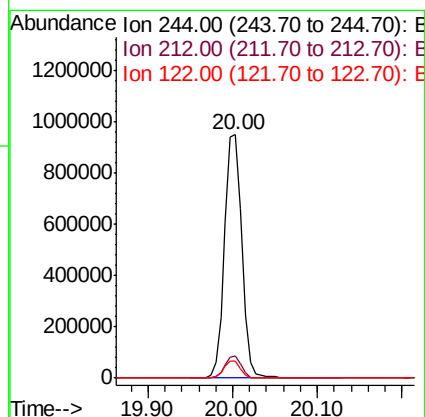
RT: 20.00 min Scan# 2845

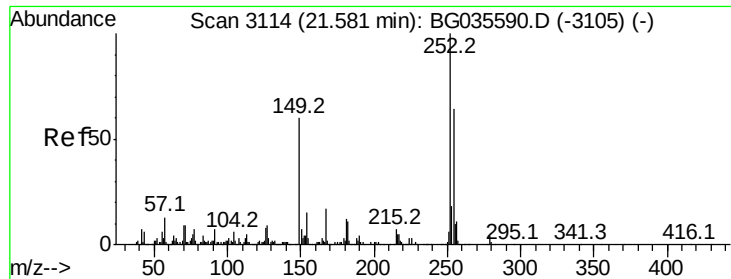
Delta R.T. 0.00 min

Lab File: BG035849.D

Acq: 24 Jul 2018 16:02

Tgt Ion:	244	Resp:	1358951
Ion Ratio	Lower	Upper	
244	100		
212	9.1	5.8	8.8#
122	6.9	7.0	10.4#





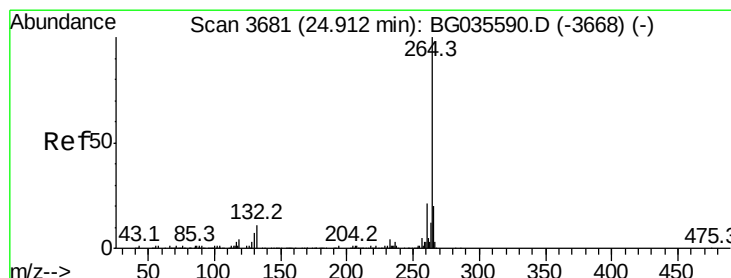
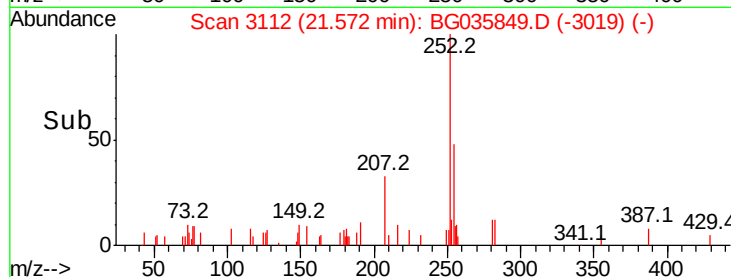
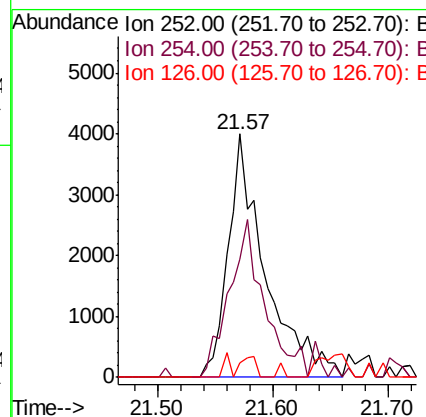
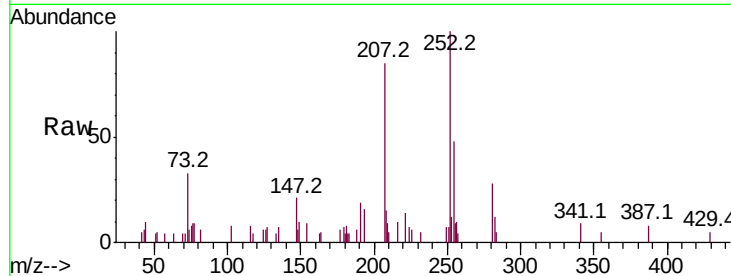
#81
 3,3'-Dichlorobenzidine
 Concen: 1.362 ng
 RT: 21.57 min Scan# 3112
 Delta R.T. 0.01 min
 Lab File: BG035849.D
 Acq: 24 Jul 2018 16:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	48.4	50.8	76.2#
126	5.9	7.4	11.2#

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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: BG035849.D
 Acq: 24 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.7	17.7	26.5

