

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034105.D
 Acq On : 2 May 2018 8:01
 Operator : SJ/JU
 Sample : J2133-09
 Misc : 2PPM MDL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Manual Integrations
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Sohil
 5/2/2018 4:51:02 PM

Quant Time: May 02 13:41:15 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	63638	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	242925	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	192450	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	512192	20.00	ng	0.00
75) Chrysene-d12	21.76	240	626748	20.00	ng	0.00
86) Perylene-d12	25.05	264	592508	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	524096	133.06	ng	0.00
7) Phenol-d6	7.22	99	761192	124.13	ng	0.00
23) Nitrobenzene-d5	9.23	82	529481	83.63	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	368517m	138.29	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1121840m	84.94	ng	0.00
78) Terphenyl-d14	20.09	244	2239870	78.29	ng	0.00
Target Compounds						
17) 2-Methylphenol	8.50	107	7515	1.847	ng	# 75
19) n-Nitroso-di-n-propylamine	8.88	70	10791	1.960	ng	# 81
20) 3+4-Methylphenols	8.83	107	11110	1.843	ng	92
22) Acetophenone	8.89	105	17771	2.148	ng	# 83
25) Isophorone	9.80	82	27056	2.095	ng	# 94
26) 2-Nitrophenol	9.99	139	4579	2.387	ng	# 66
27) 2,4-Dimethylphenol	10.04	122	8188m	2.201	ng	
28) bis(2-Chloroethoxy)methane	10.29	93	12463	1.964	ng	# 86
29) 2,4-Dichlorophenol	10.52	162	8764	1.971	ng	# 69
30) 1,2,4-Trichlorobenzene	10.75	180	10821	2.021	ng	87
36) 4-Chloro-3-methylphenol	12.15	107	9612	1.667	ng	# 79
42) 2,4,6-Trichlorophenol	13.14	196	7308	1.689	ng	86
43) 2,4,5-Trichlorophenol	13.21	196	9777	2.044	ng	# 91
56) 2,4-Dinitrotoluene	15.07	165	6806	1.564	ng	# 73
60) 4-Chlorophenyl-phenylether	15.76	204	19158	2.063	ng	# 92
61) 4-Nitroaniline	15.77	138	6039	1.762	ng	# 71
76) Benzidine	19.70	184	21866	1.354	ng	# 90
81) 3,3'-Dichlorobenzidine	21.65	252	28151	1.853	ng	89

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

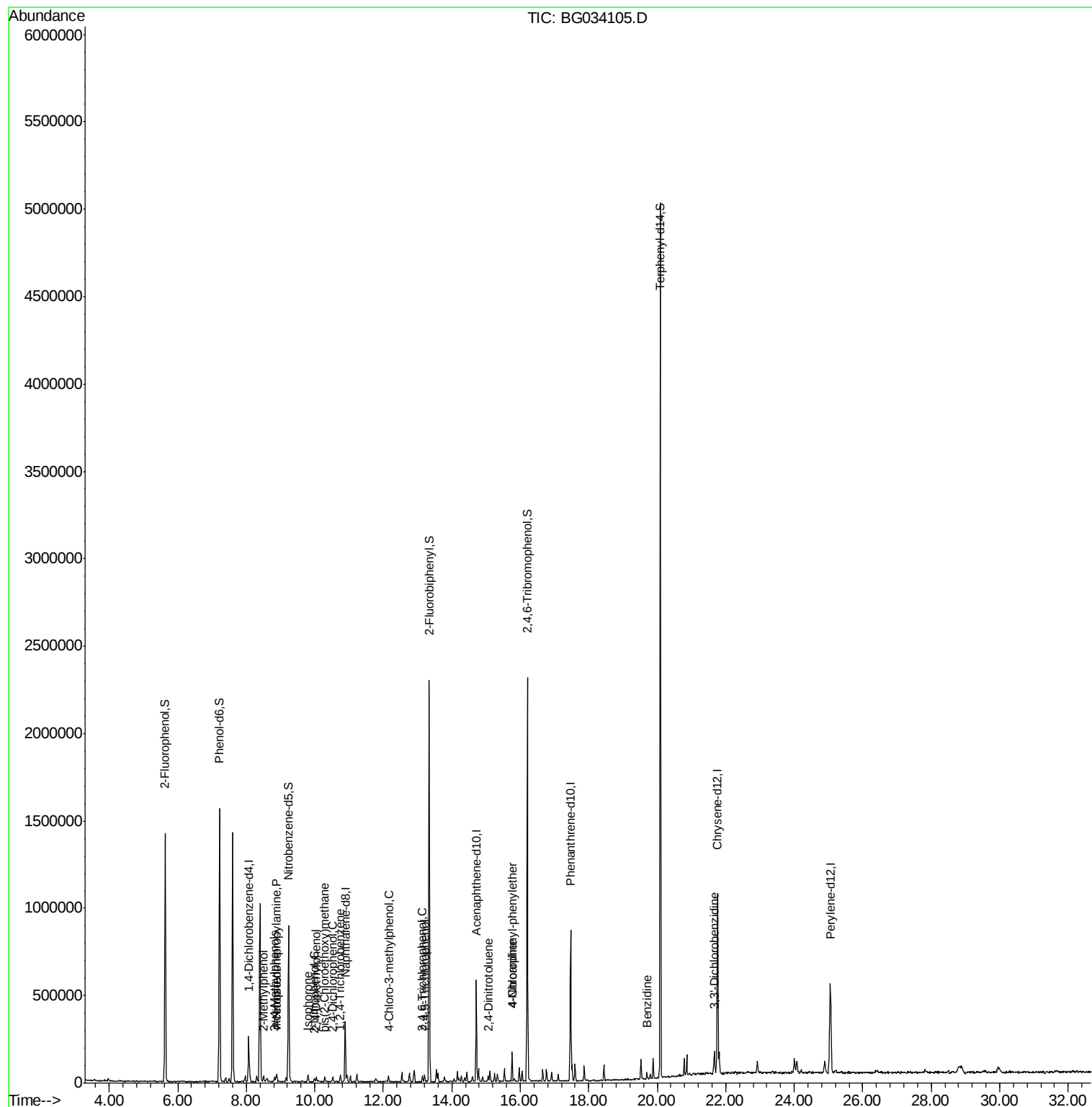
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034105.D
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ALS Vial : 20 Sample Multiplier: 1

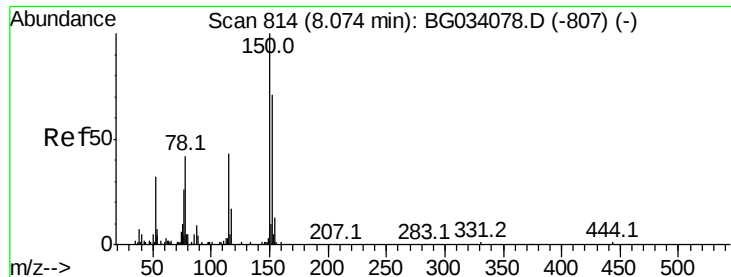
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Manual Integrations
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Quant Time: May 02 13:41:15 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration





#1

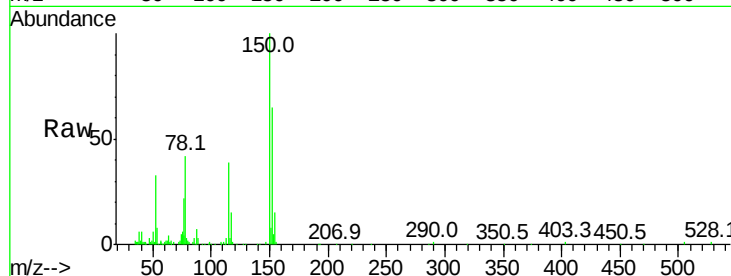
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.6	189.8
115	60.3	53.0	79.4

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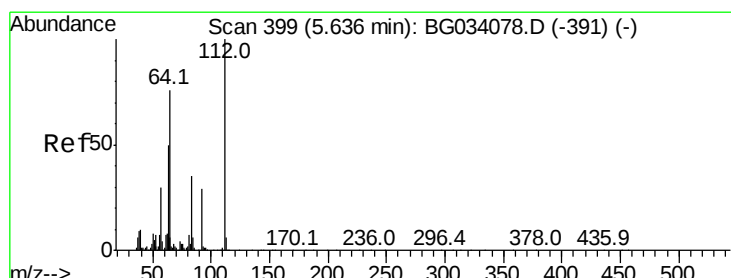
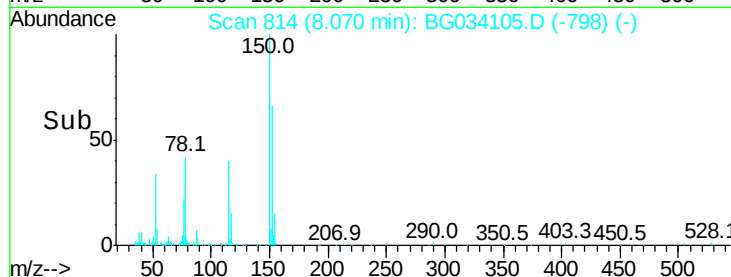
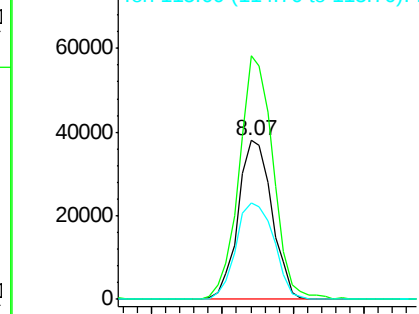


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

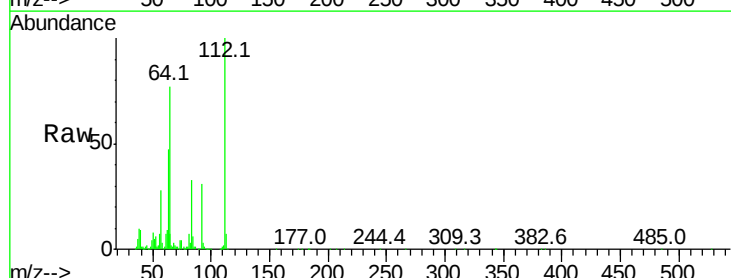
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.056 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.5	56.3	84.5
63	46.6	30.1	45.1

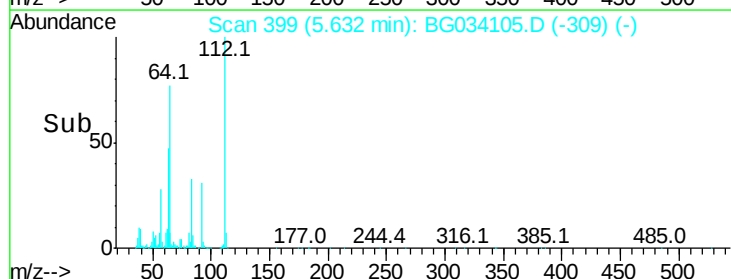
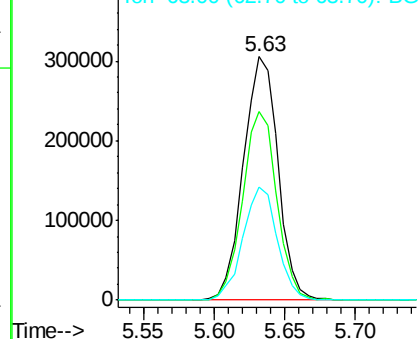


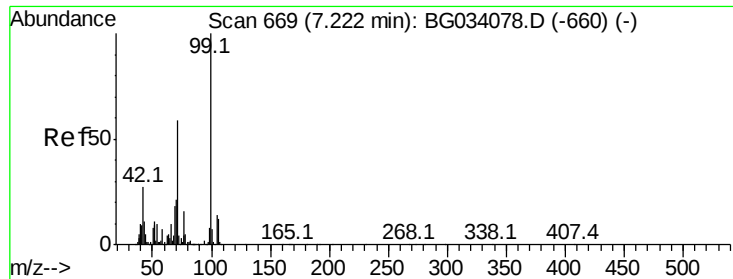
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.132 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Instrument :

BNA_G

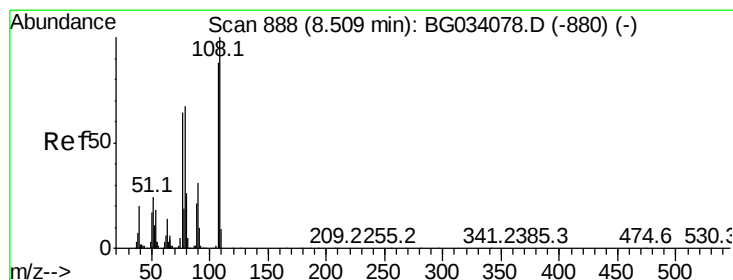
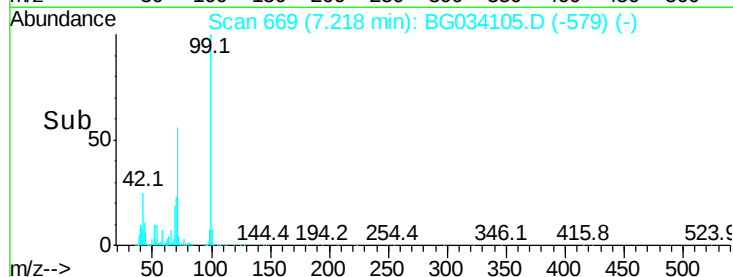
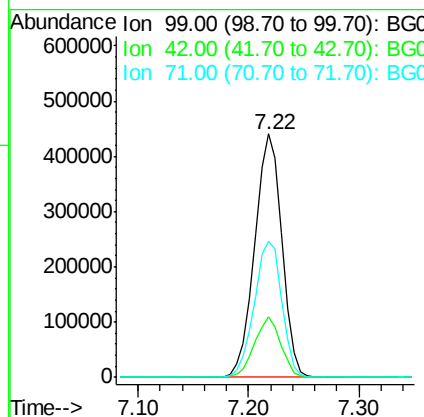
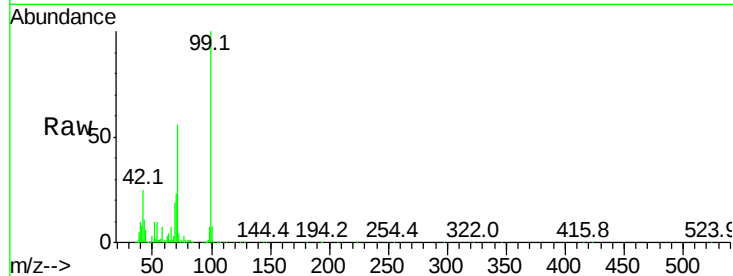
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
99	100	761192		
42	25.1	14.1	21.1#	
71	55.7	26.1	39.1#	

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#17

2-Methylphenol

Concen: 1.847 ng

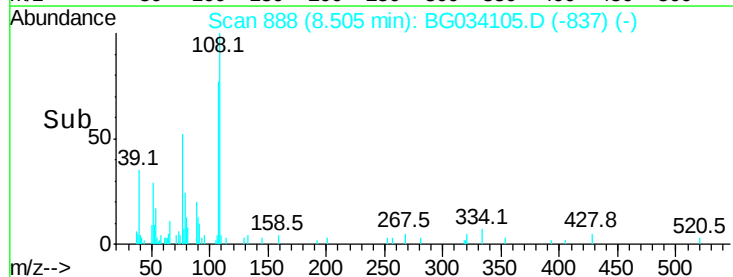
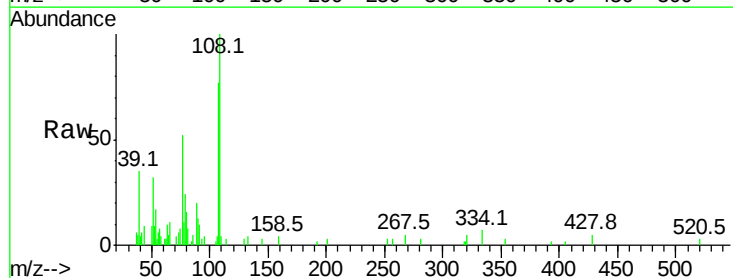
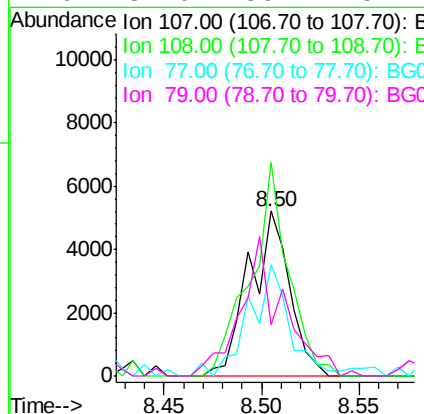
RT: 8.50 min Scan# 888

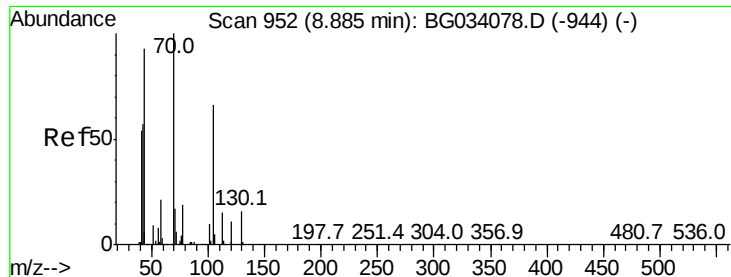
Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	7515		
108	129.5	83.9	125.9#	
77	67.3	37.2	55.8#	
79	31.0	36.2	54.2#	





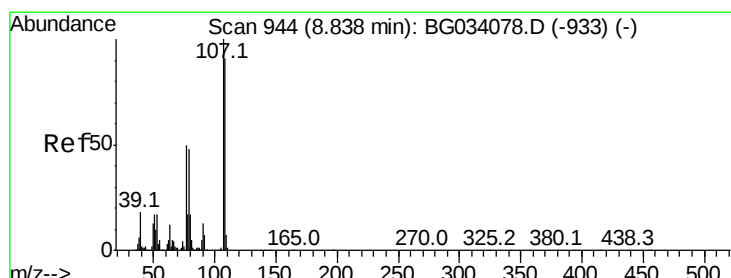
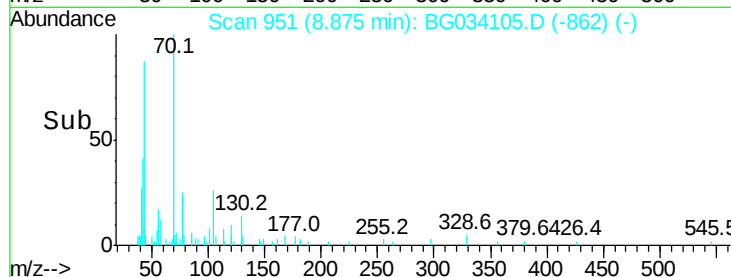
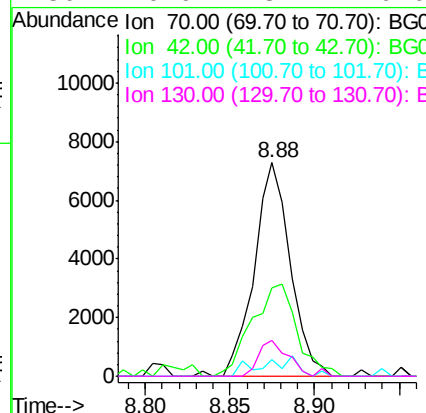
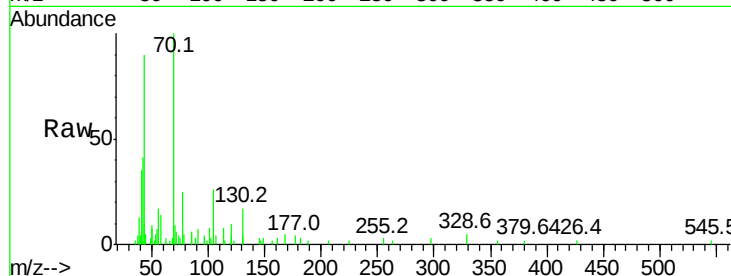
#19
n-Nitroso-di-n-propylamine
Concen: 1.960 ng
RT: 8.88 min Scan# 951
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	41.3	49.1	73.7#		
101	7.6	8.5	12.7#		
130	16.9	13.4	20.0		

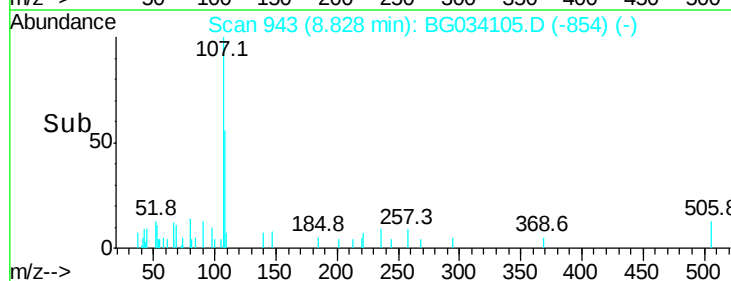
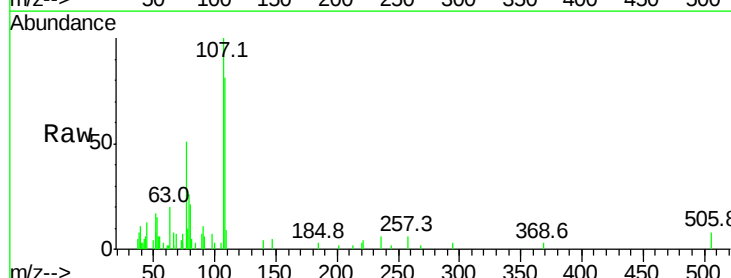
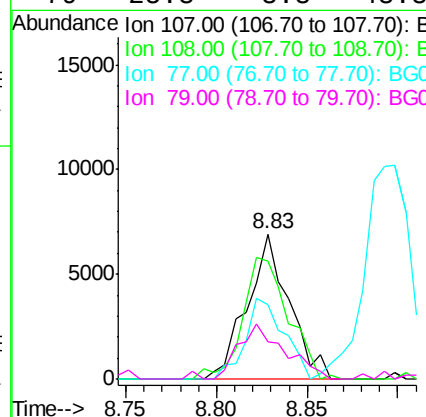
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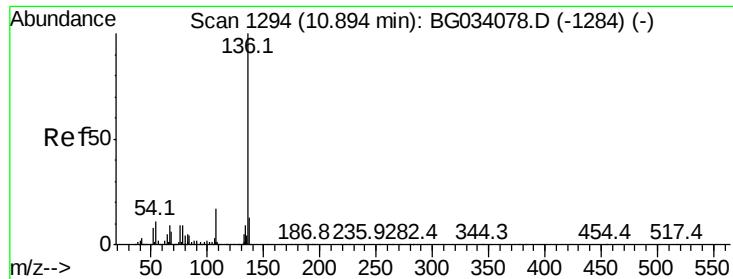
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#20
3+4-Methylphenols
Concen: 1.843 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	81.2	61.6	101.6		
77	50.8	13.9	53.9		
79	25.8	8.8	48.8		





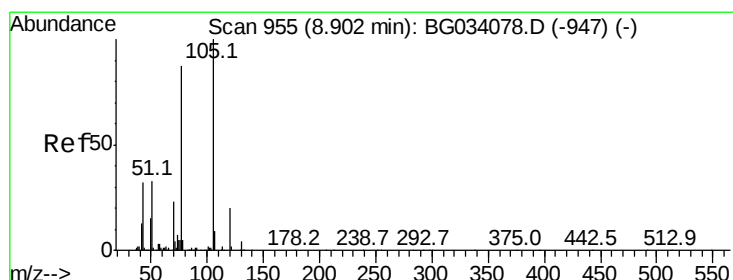
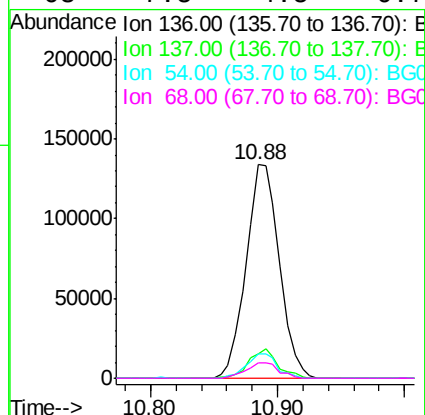
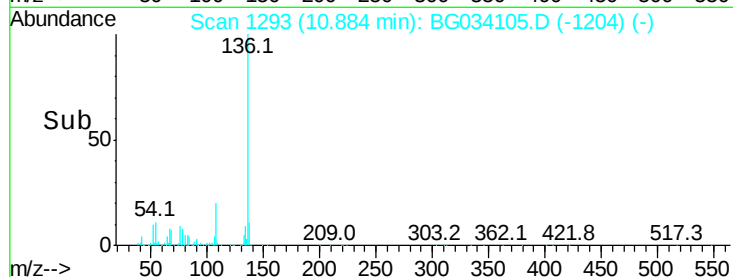
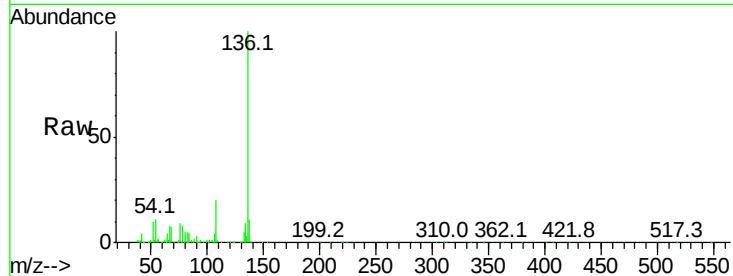
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	9.2	13.8	
54	11.5	10.3	15.5	
68	7.5	4.5	6.7#	

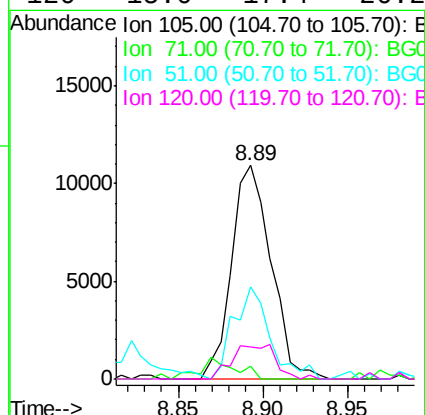
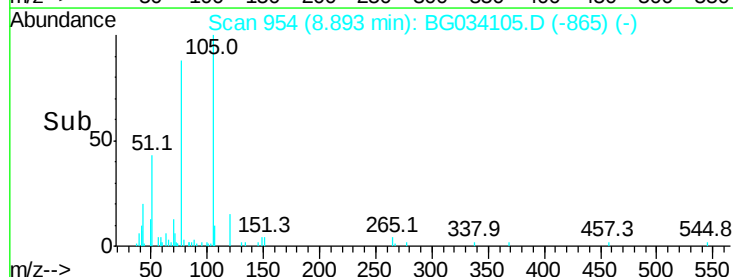
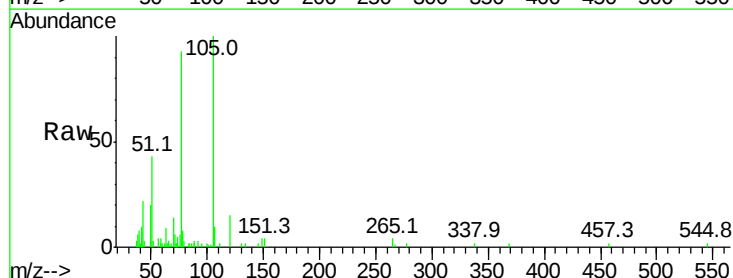
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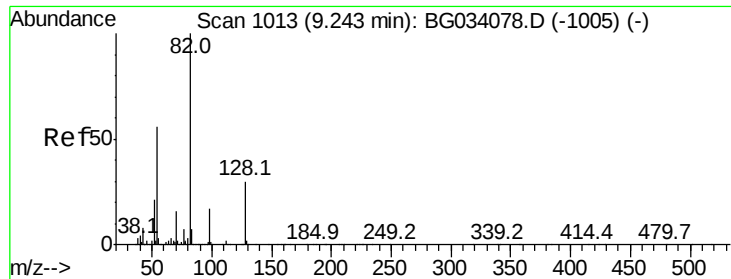
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#22
Acetophenone
Concen: 2.148 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.2	3.0	4.4#	
51	43.4	26.1	39.1#	
120	15.0	17.4	26.2#	





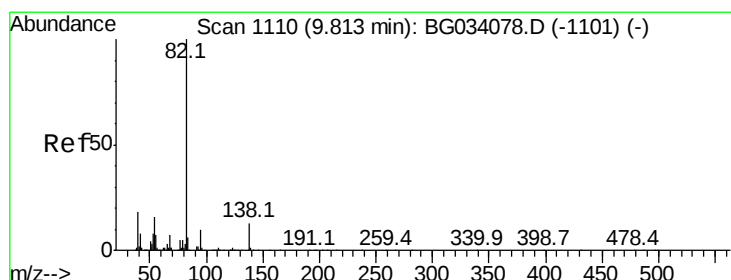
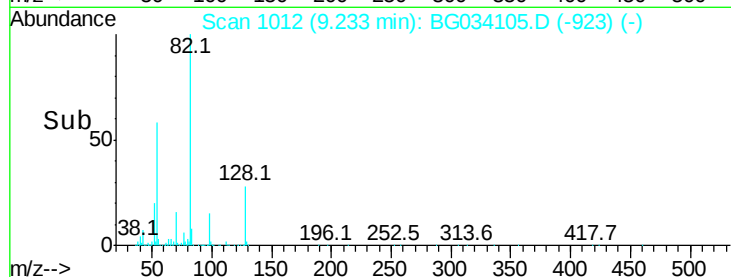
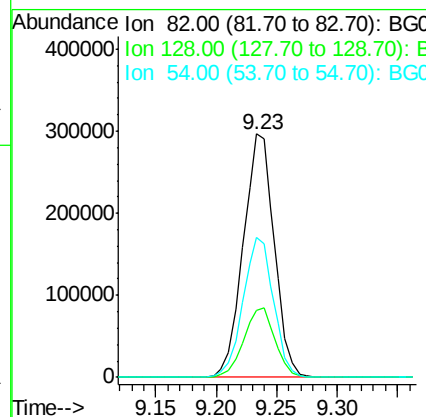
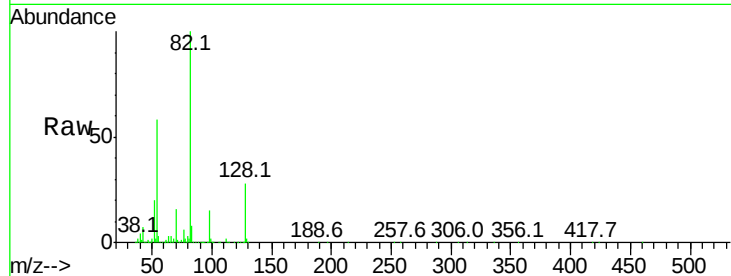
#23
Nitrobenzene-d5
Concen: 83.627 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	27.6	29.7	44.5#
54	57.5	43.1	64.7

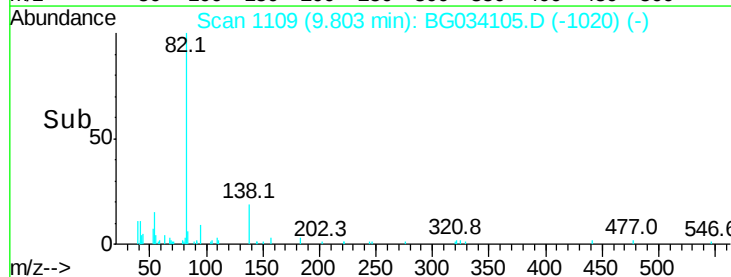
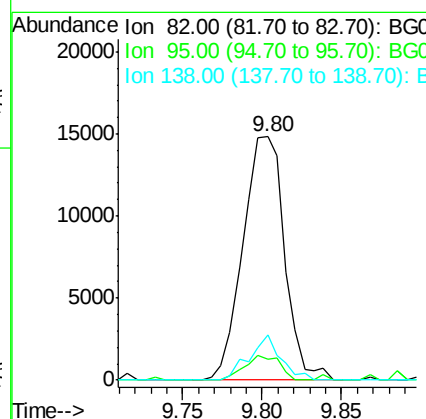
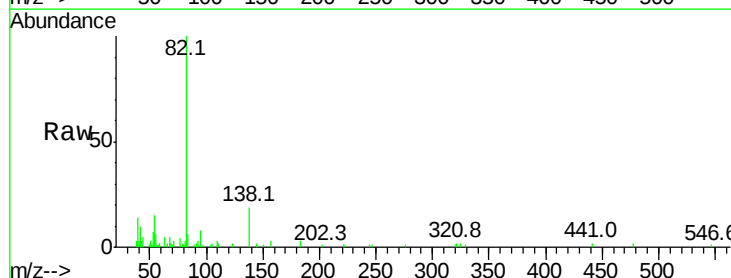
Manual Integrations
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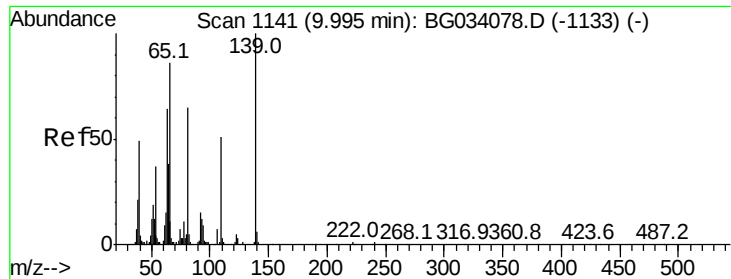
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#25
Isophorone
Concen: 2.095 ng
RT: 9.80 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.2	9.2
138	18.7	12.1	18.1#





#26

2-Nitrophenol

Concen: 2.387 ng

RT: 9.99 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Instrument :

BNA_G

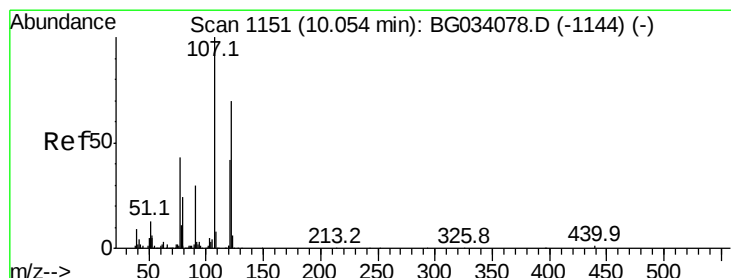
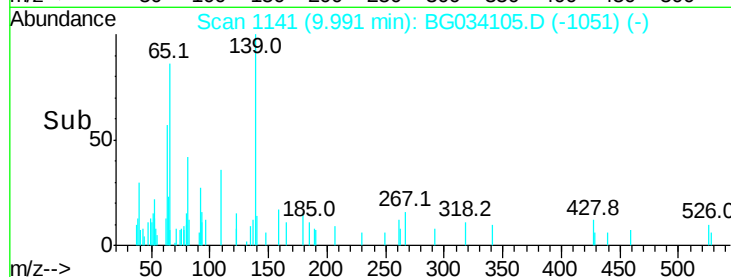
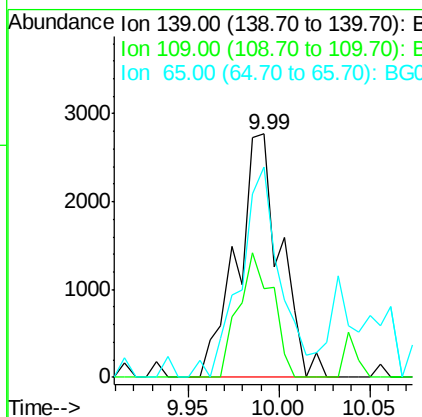
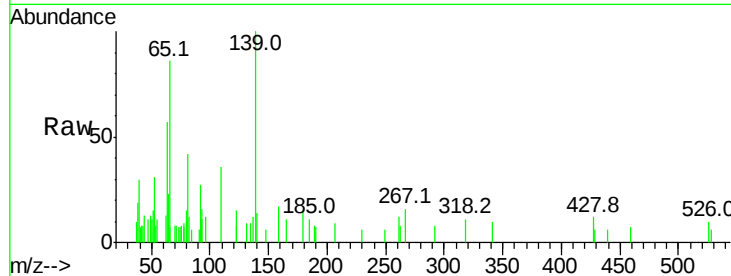
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	139	Resp:	4579
Ion Ratio	Lower	Upper	
139	100		
109	36.3	24.2	36.2#
65	93.7	47.4	71.0#

Manual Integrations
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#27

2,4-Dimethylphenol

Concen: 2.201 ng m

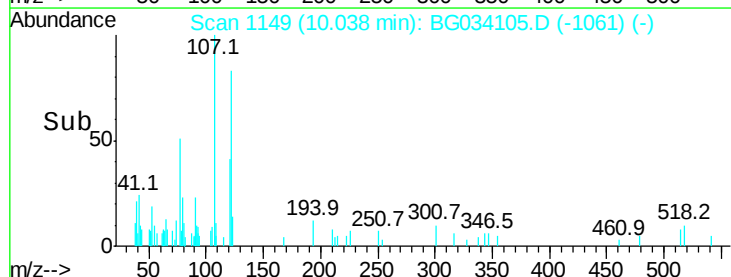
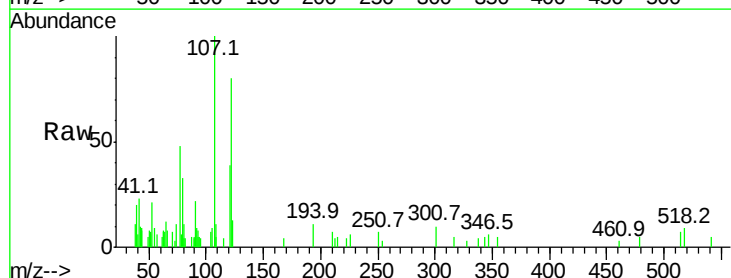
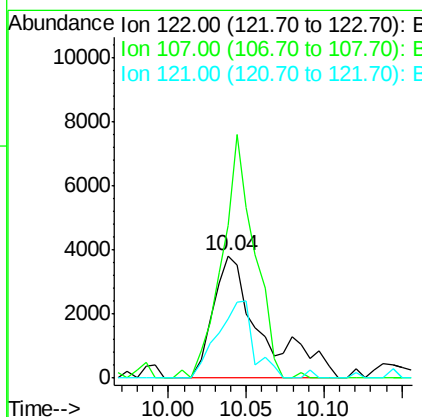
RT: 10.04 min Scan# 1149

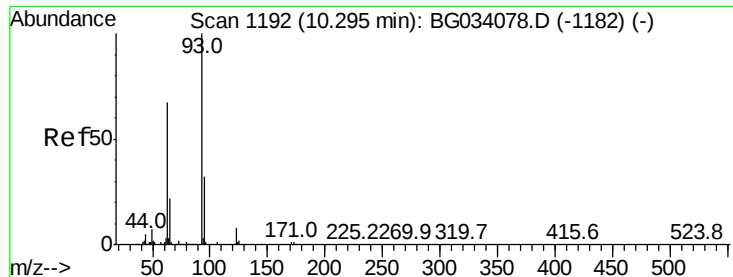
Delta R.T. -0.02 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Tgt Ion:	122	Resp:	8188
Ion Ratio	Lower	Upper	
122	100		
107	125.6	100.2	150.2
121	48.7	44.4	66.6





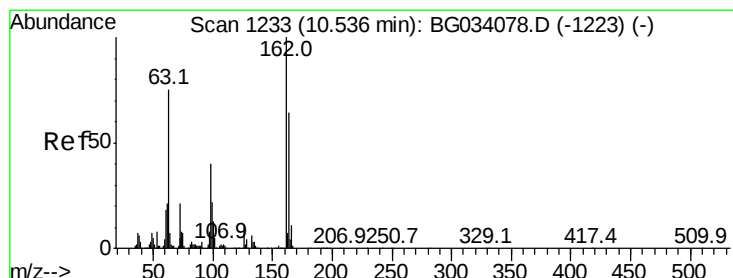
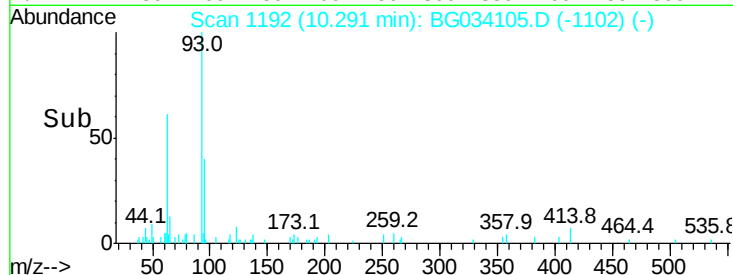
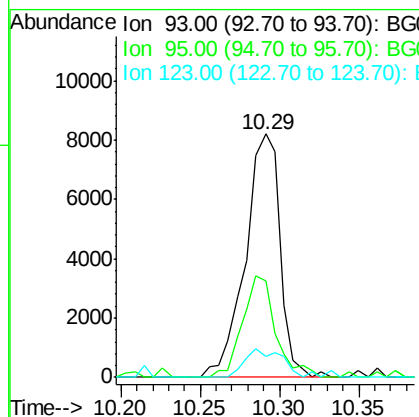
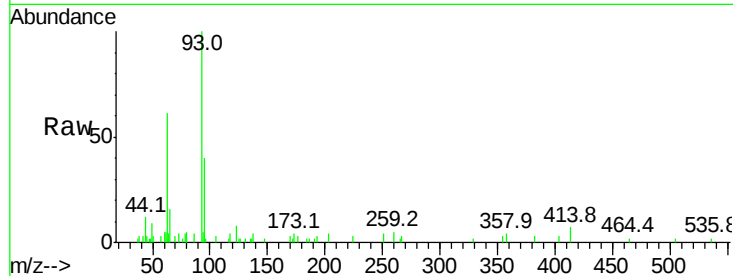
#28
bis(2-Chloroethoxy)methane
Concen: 1.964 ng
RT: 10.29 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	39.6	24.3	36.5#	
123	8.3	8.4	12.6#	

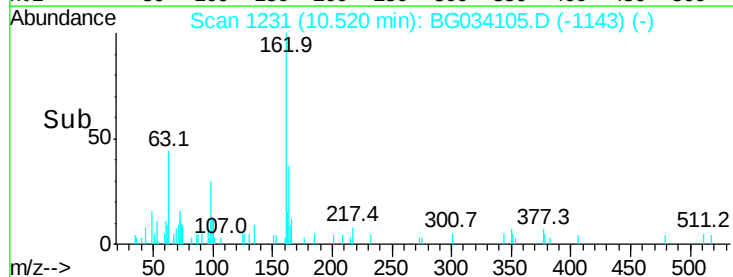
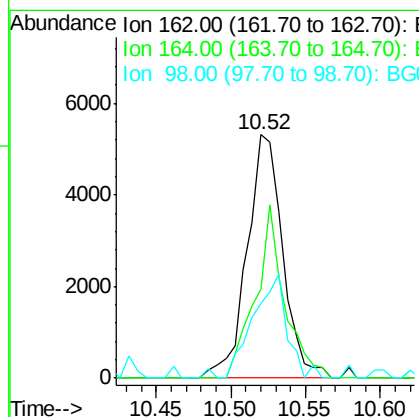
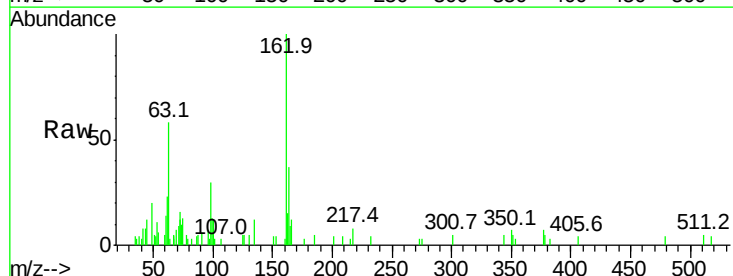
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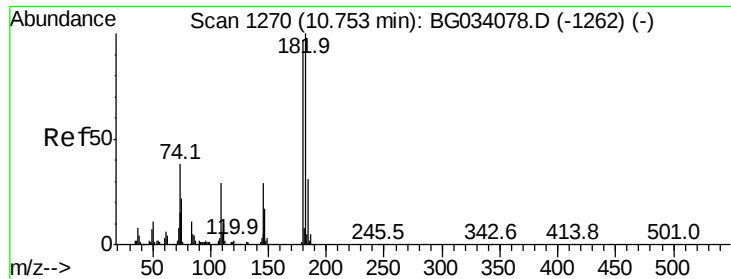
Sohil
5/2/2018 4:51:02 PM



#29
2,4-Dichlorophenol
Concen: 1.971 ng
RT: 10.52 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
164	36.7	48.0	88.0#	
98	30.5	21.1	61.1	





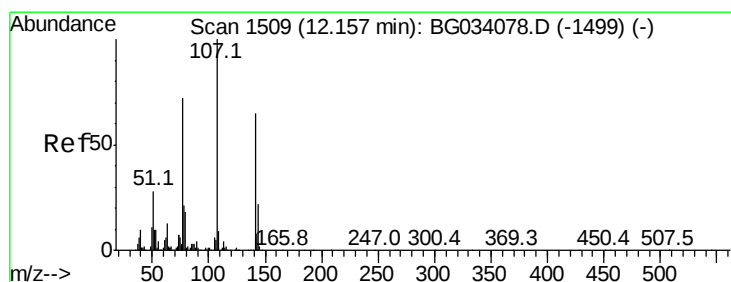
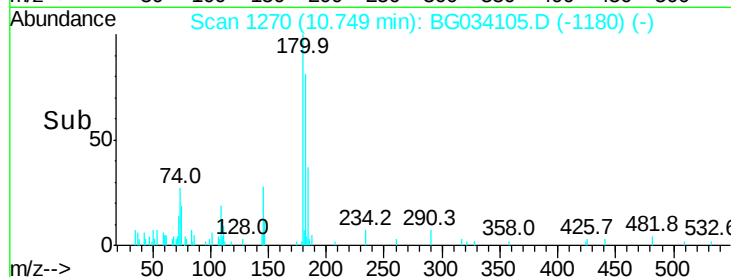
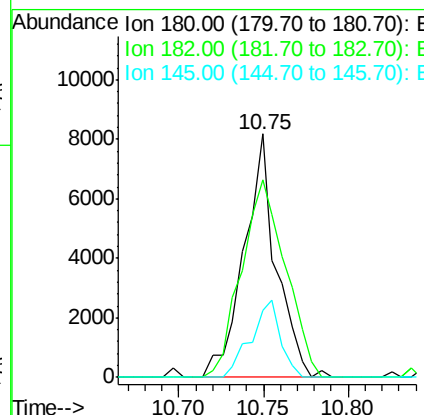
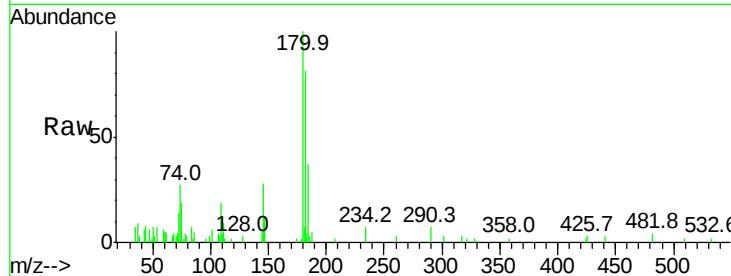
#30
 1,2,4-Trichlorobenzene
 Concen: 2.021 ng
 RT: 10.75 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: BG034105.D
 Acq: 2 May 2018 8:01

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
180	100	10821		
182	81.2		77.5	116.3
145	27.7		23.4	35.2

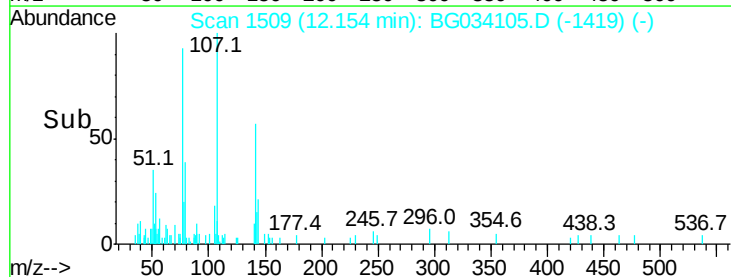
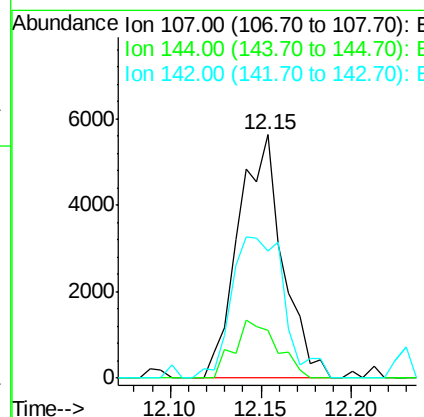
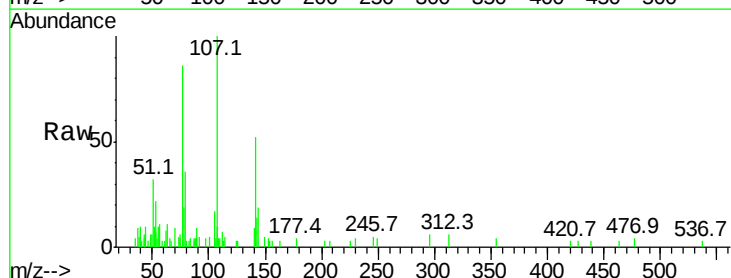
Manual Integrations
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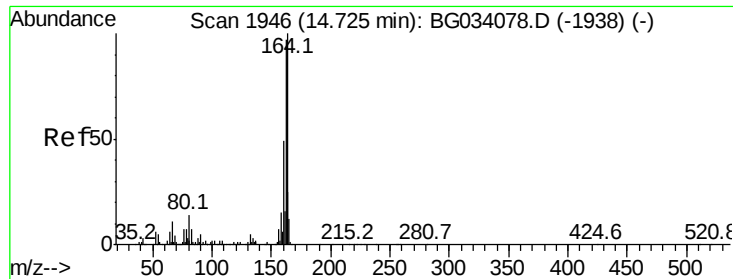
Sohil
 5/2/2018 4:51:02 PM



#36
 4-Chloro-3-methylphenol
 Concen: 1.667 ng
 RT: 12.15 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: BG034105.D
 Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	9612		
144	19.4		18.2	27.4
142	52.4		59.0	88.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Instrument :

BNA_G

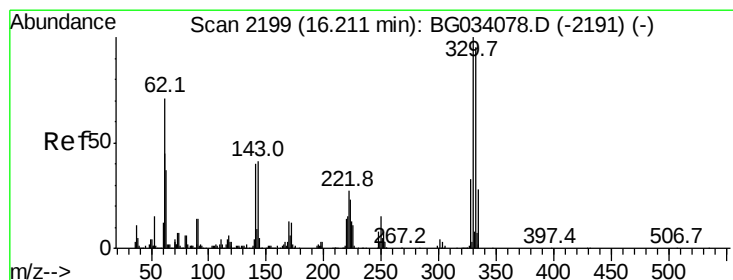
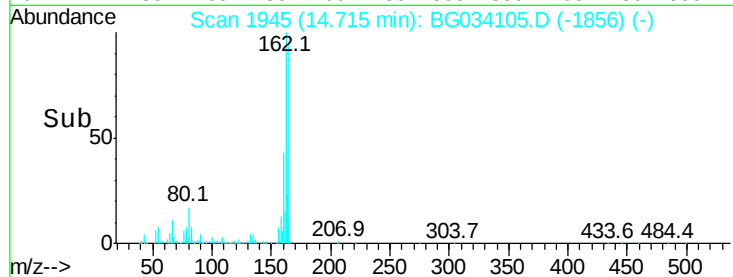
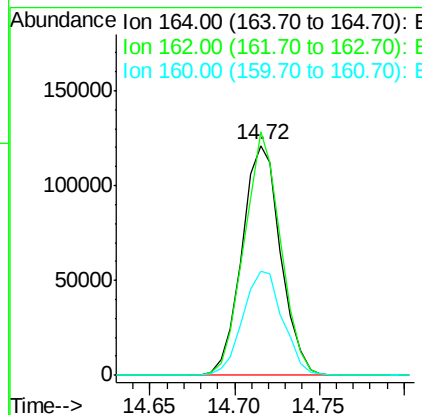
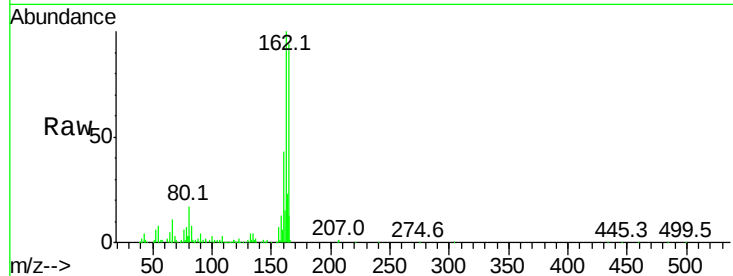
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.0	78.8	118.2
160	45.4	35.4	53.0

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#41

2,4,6-Tribromophenol

Concen: 138.287 ng m

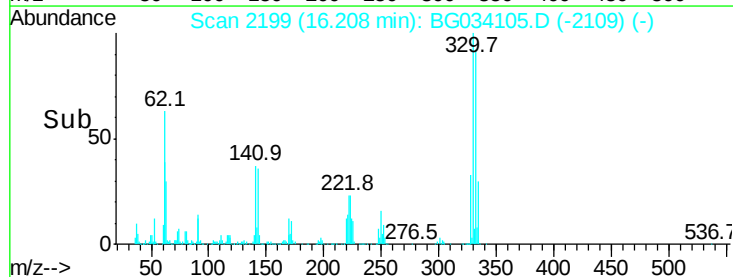
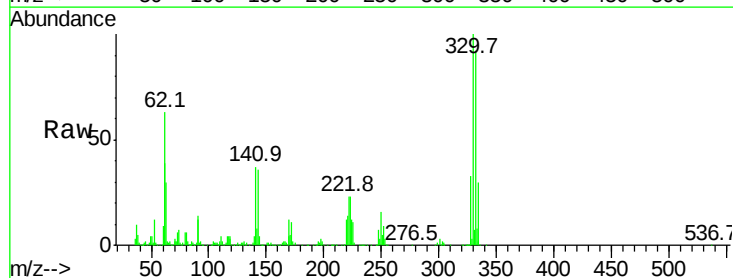
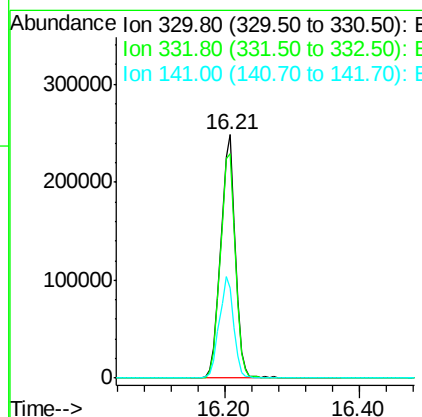
RT: 16.21 min Scan# 2199

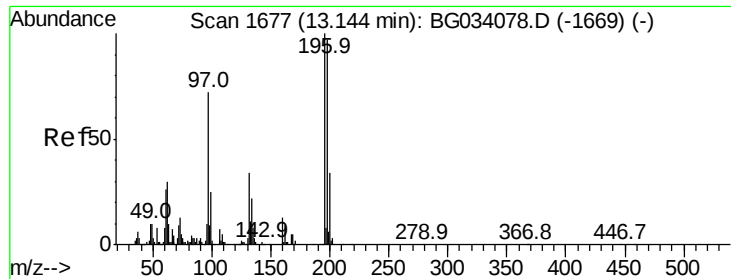
Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	77.0	115.6#
141	0.0	25.2	37.8#





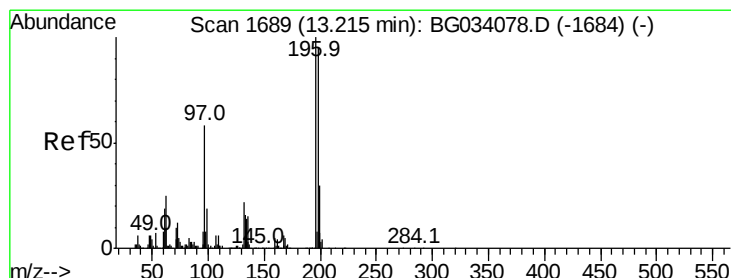
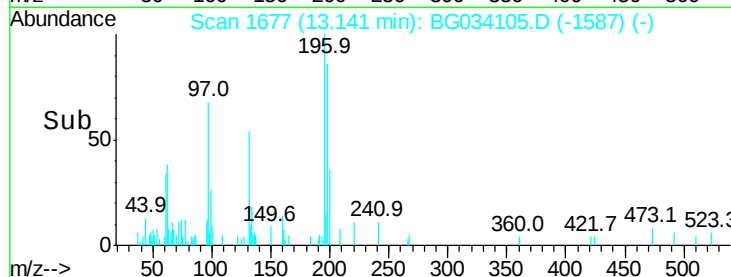
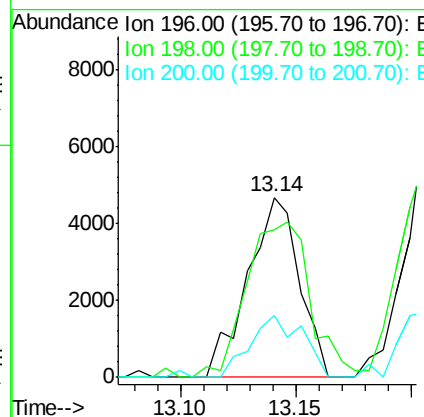
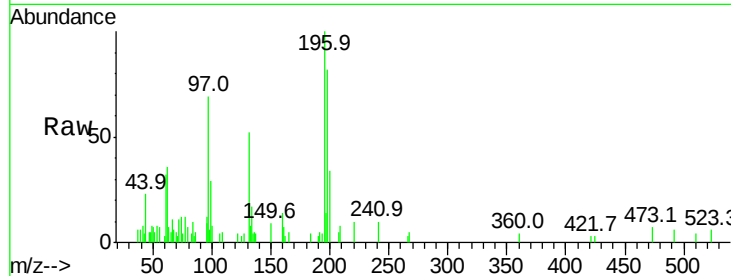
#42
2,4,6-Trichlorophenol
Concen: 1.689 ng
RT: 13.14 min Scan# 1677
Delta R.T. -0.00 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
196	100		
198	82.3	78.2	117.2
200	34.5	24.6	36.8

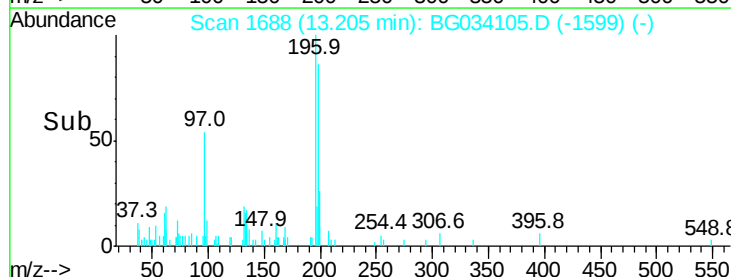
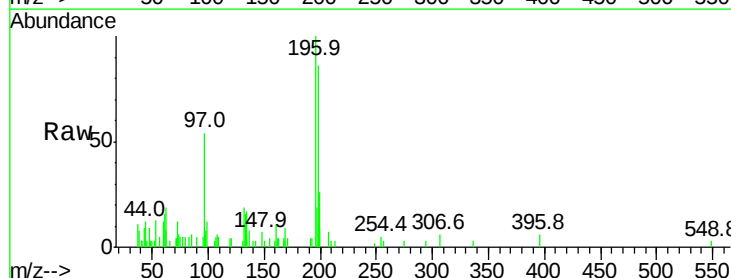
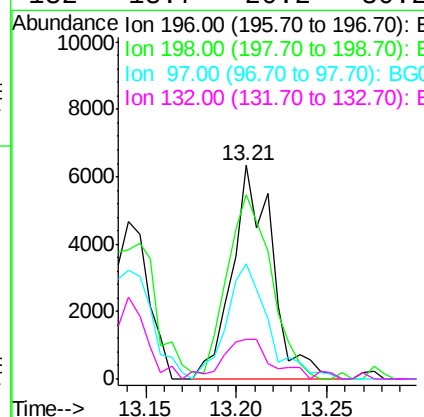
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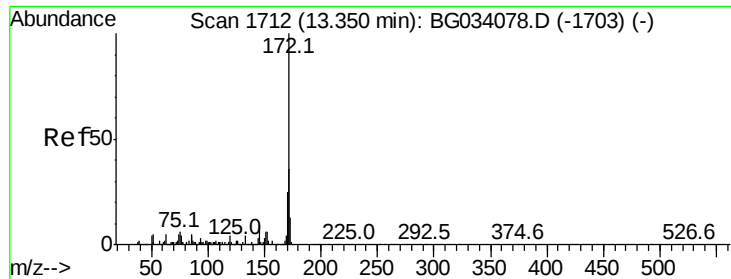
Sohil
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#43
2,4,5-Trichlorophenol
Concen: 2.044 ng
RT: 13.21 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Lower	Upper
196	100		
198	86.5	76.2	114.4
97	53.8	38.7	58.1
132	18.7	20.2	30.2#





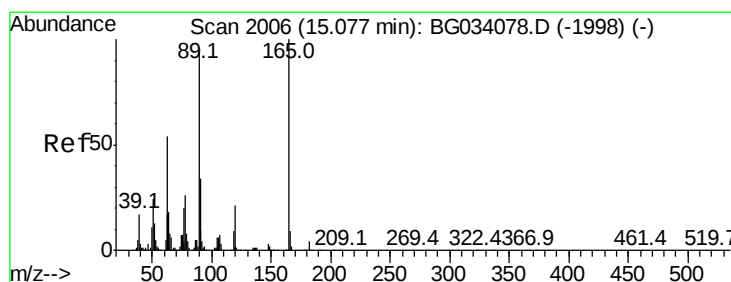
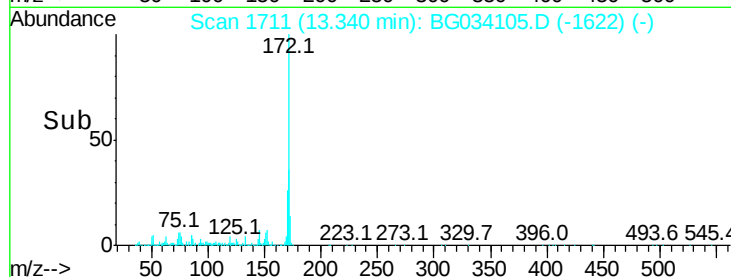
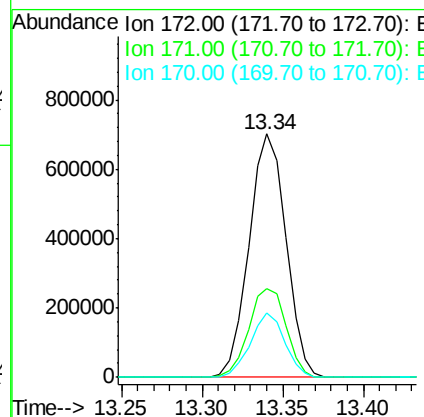
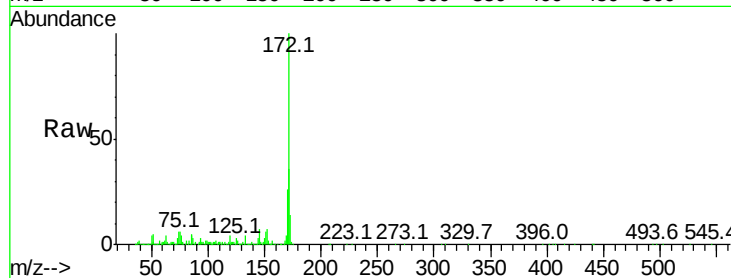
#44
2-Fluorobiphenyl
Concen: 84.941 ng/ml
RT: 13.34 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.0	45.0
170	26.3	19.5	29.3

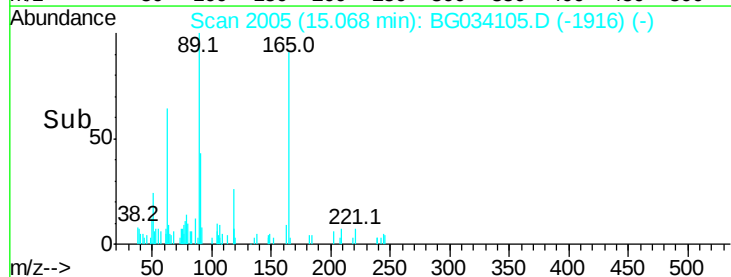
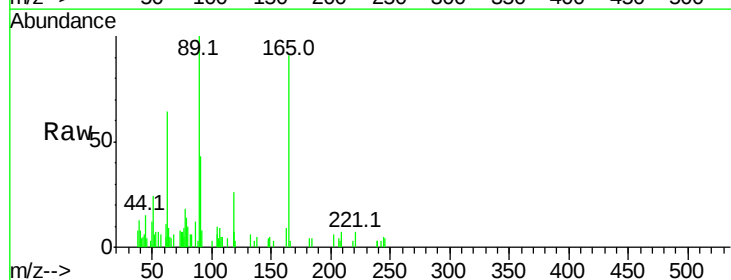
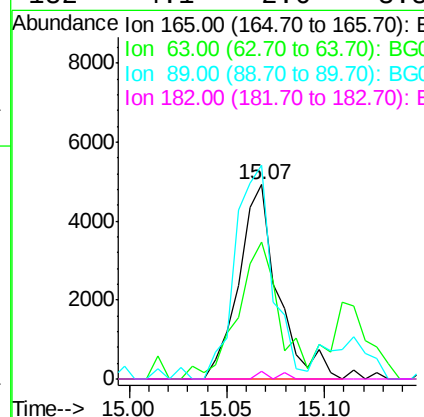
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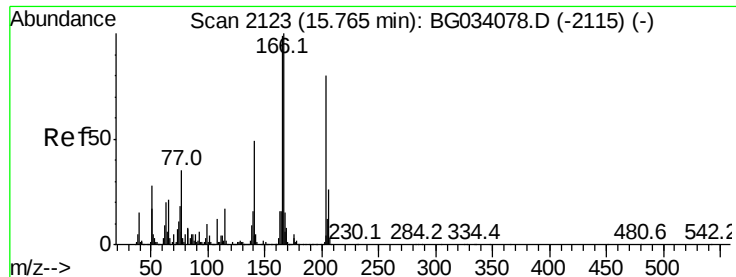
Sohil
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#56
2,4-Dinitrotoluene
Concen: 1.564 ng
RT: 15.07 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BG034105.D
Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	70.2	42.0	63.0#
89	110.0	66.9	100.3#
182	4.1	2.6	3.8#





#60

4-Chlorophenyl-phenylether

Concen: 2.063 ng

RT: 15.76 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Instrument :

BNA_G

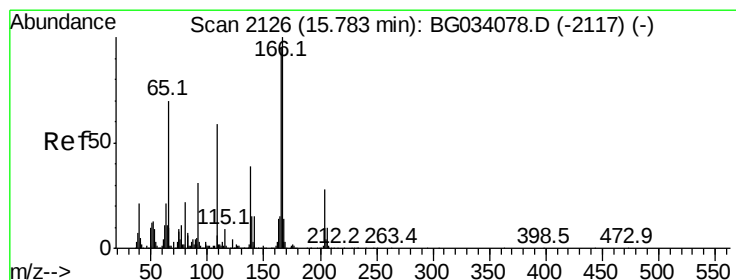
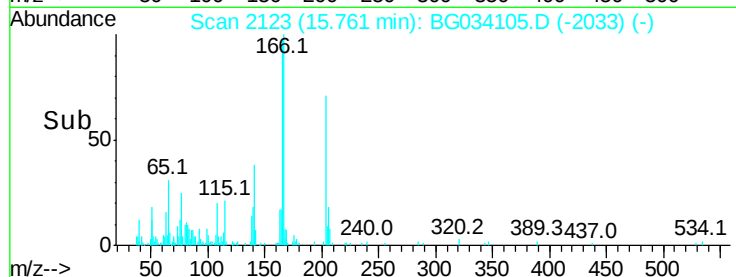
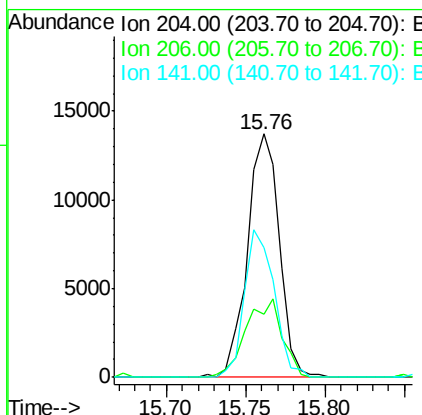
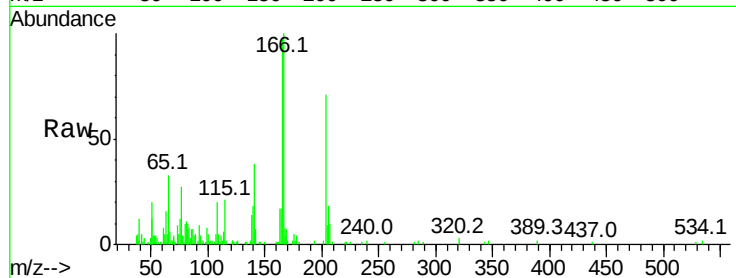
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
204	100		
206	25.7	26.2	39.2#
141	53.2	45.8	68.6

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#61

4-Nitroaniline

Concen: 1.762 ng

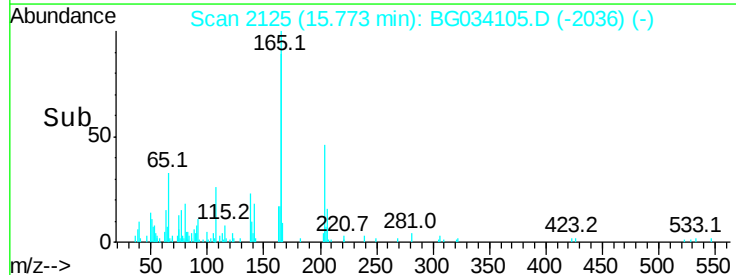
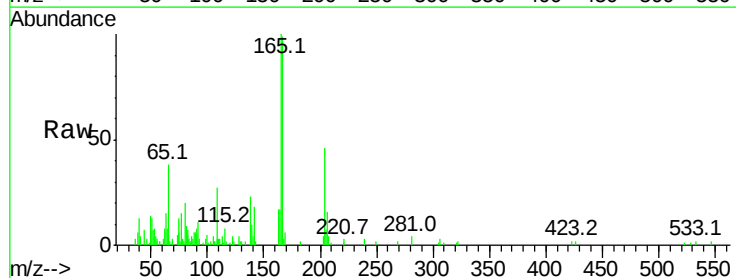
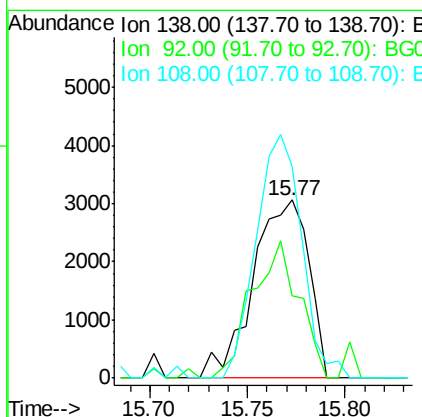
RT: 15.77 min Scan# 2125

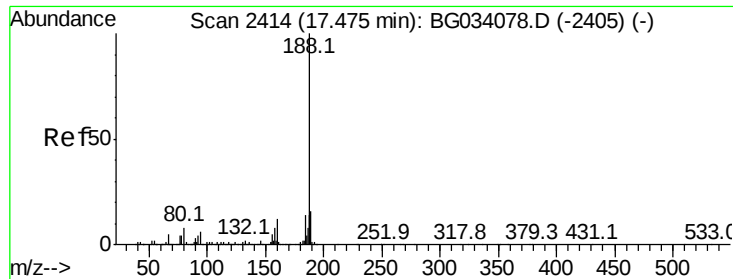
Delta R.T. -0.01 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.1	40.1	80.1
108	119.0	65.4	105.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Instrument :

BNA_G

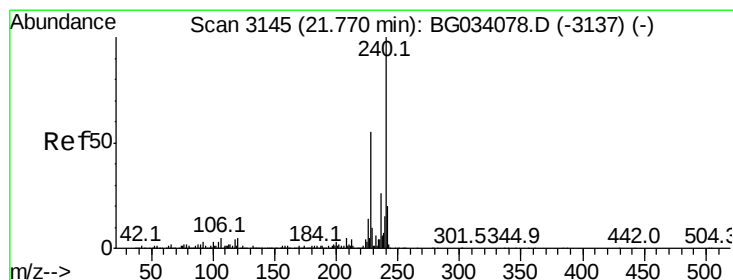
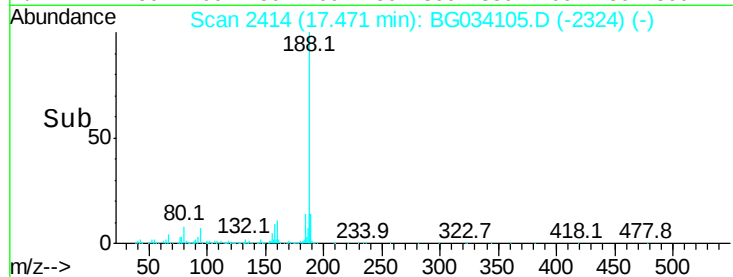
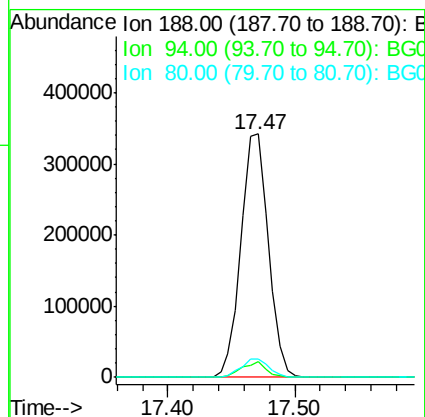
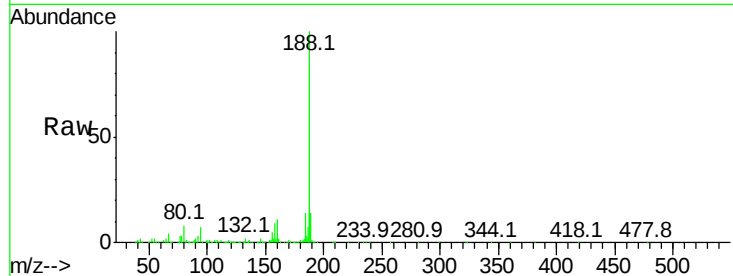
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	188	Resp:	512192
Ion Ratio	Lower	Upper	
188	100		
94	6.5	6.9	10.3#
80	7.7	7.7	11.5

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#75

Chrysene-d12

Concen: 20.000 ng

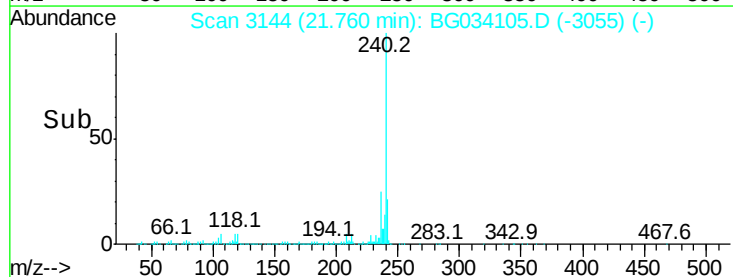
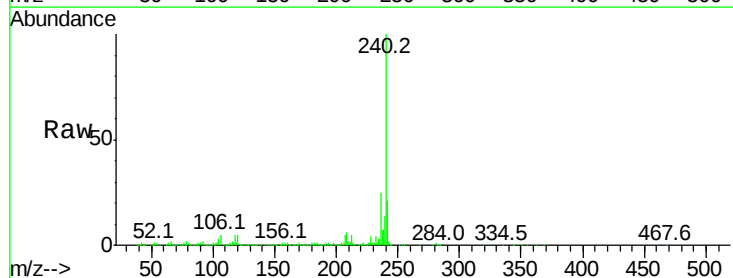
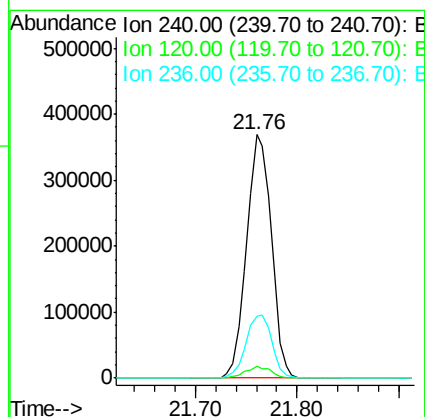
RT: 21.76 min Scan# 3144

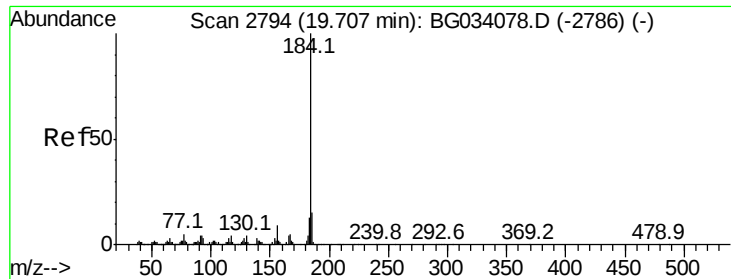
Delta R.T. -0.01 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Tgt Ion:	240	Resp:	626748
Ion Ratio	Lower	Upper	
240	100		
120	4.8	6.8	10.2#
236	25.4	20.9	31.3





#76

Benzidine

Concen: 1.354 ng

RT: 19.70 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Instrument :

BNA_G

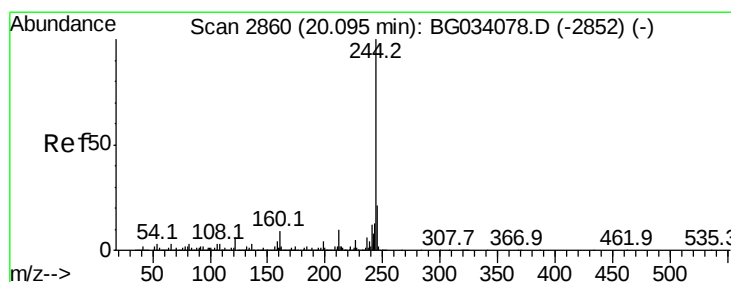
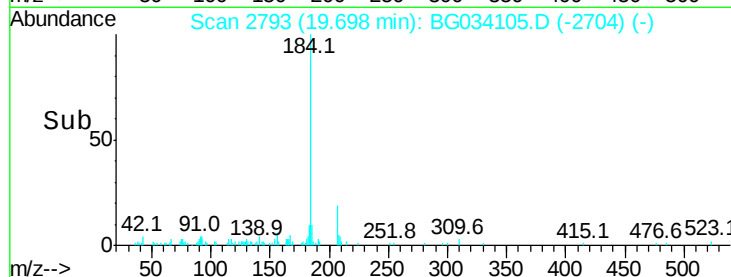
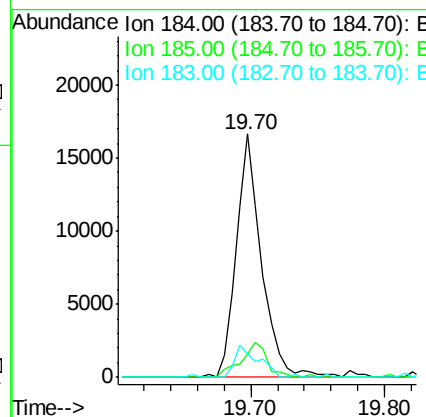
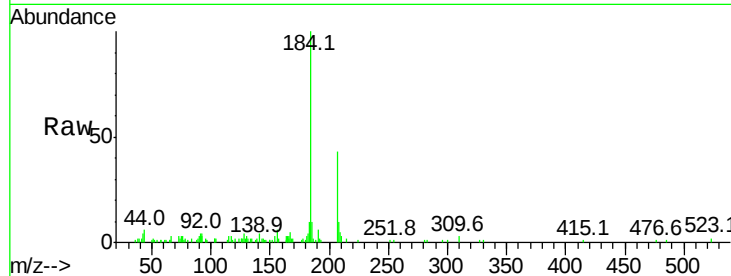
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	184	Resp:	21866
Ion Ratio	Lower	Upper	
184	100		
185	9.9	11.1	16.7#
183	9.7	10.6	16.0#

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#78

Terphenyl-d14

Concen: 78.290 ng

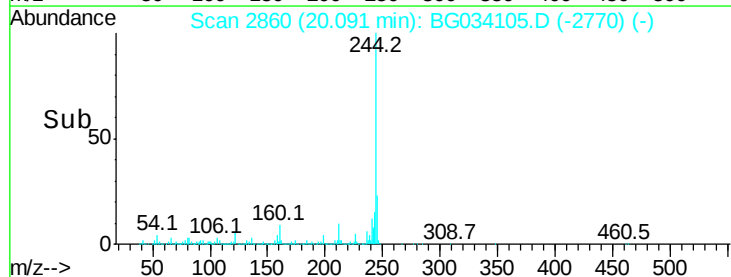
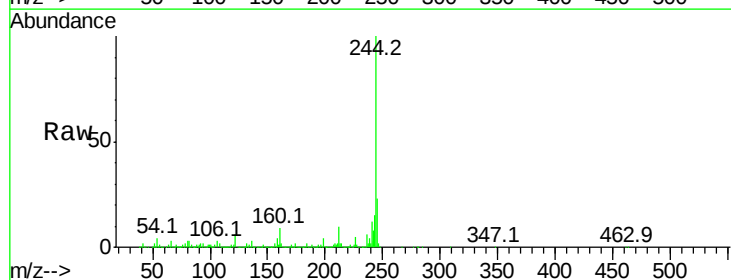
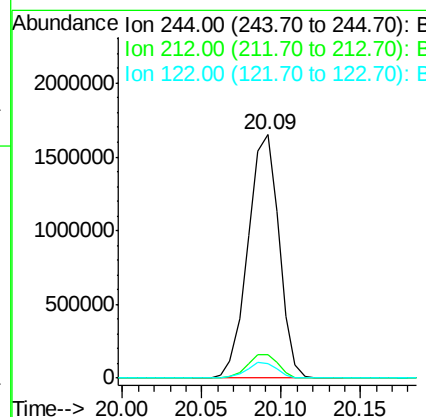
RT: 20.09 min Scan# 2860

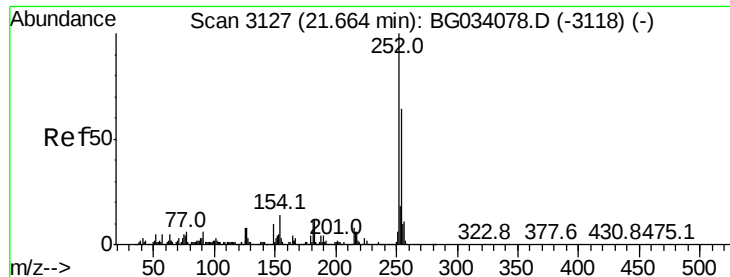
Delta R.T. -0.00 min

Lab File: BG034105.D

Acq: 2 May 2018 8:01

Tgt Ion:	244	Resp:	2239870
Ion Ratio	Lower	Upper	
244	100		
212	9.6	5.8	8.8#
122	5.8	7.0	10.4#





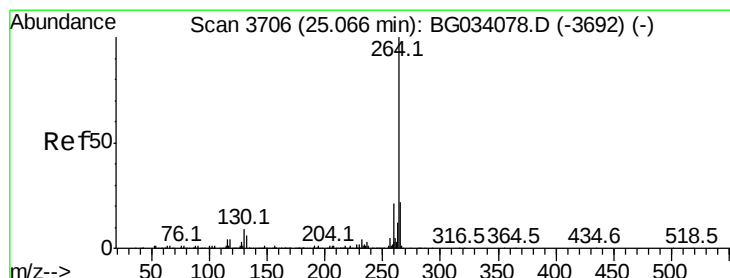
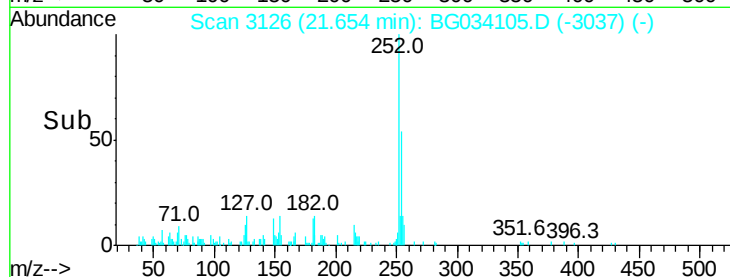
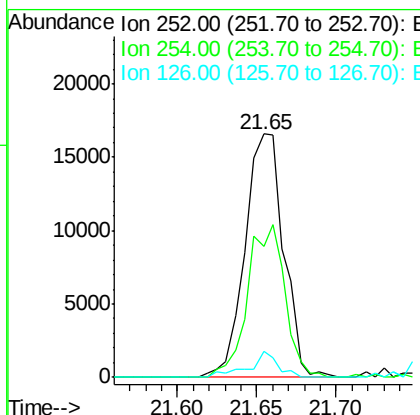
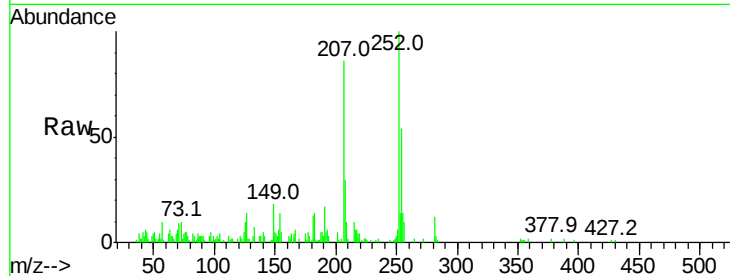
#81
 3,3'-Dichlorobenzidine
 Concen: 1.853 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG034105.D
 Acq: 2 May 2018 8:01

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion:	252	Resp:	28151
Ion Ratio	Lower	Upper	
252	100		
254	53.8	50.8	76.2
126	10.5	7.4	11.2

Manual Integrations
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 5/2/2018 4:51:02 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.05 min Scan# 3704
 Delta R.T. -0.02 min
 Lab File: BG034105.D
 Acq: 2 May 2018 8:01

Tgt Ion:	264	Resp:	592508
Ion Ratio	Lower	Upper	
264	100		
260	24.0	17.4	26.0
265	22.1	17.7	26.5

