

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035853.D
 Acq On : 24 Jul 2018 18:38
 Operator : JU/SJ
 Sample : J3762-07
 Misc : LOD 2PPM
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 25 17:31:30 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	33406	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	119916	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	84075	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	231447	20.00	ng	0.00
75) Chrysene-d12	21.66	240	290795	20.00	ng	0.00
86) Perylene-d12	24.86	264	271129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	249303	123.90	ng	0.00
7) Phenol-d6	7.19	99	360280	120.01	ng	0.00
23) Nitrobenzene-d5	9.19	82	241640	84.18	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	158604	143.12	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	577371	92.00	ng	0.00
78) Terphenyl-d14	20.00	244	1328480	100.70	ng	0.00
Target Compounds						
17) 2-Methylphenol	8.48	107	3690	1.789	ng	# 82
19) n-Nitroso-di-n-propylamine	8.83	70	2850	1.127	ng	# 80
20) 3+4-Methylphenols	8.84	107	2763	0.966	ng	# 41
22) Acetophenone	8.86	105	6186	1.659	ng	# 91
25) Isophorone	9.75	82	8915	1.673	ng	# 90
26) 2-Nitrophenol	9.95	139	1660	1.619	ng	# 68
27) 2,4-Dimethylphenol	10.03	122	3084	1.777	ng	# 62
28) bis(2-Chloroethoxy)methane	10.25	93	4126m	1.405	ng	
29) 2,4-Dichlorophenol	10.55	162	3290m	1.661	ng	
30) 1,2,4-Trichlorobenzene	10.69	180	5155	2.122	ng	# 95
36) 4-Chloro-3-methylphenol	12.14	107	3472	1.307	ng	# 69
42) 2,4,6-Trichlorophenol	13.12	196	3227	1.739	ng	# 72
43) 2,4,5-Trichlorophenol	13.20	196	2760	1.329	ng	# 70
56) 2,4-Dinitrotoluene	15.03	165	3216	1.494	ng	# 74
60) 4-Chlorophenyl-phenylether	15.69	204	8348	2.014	ng	# 91
61) 4-Nitroaniline	15.79	138	453	0.282	ng	86
76) Benzidine	19.69	184	3189m	0.417	ng	
81) 3,3'-Dichlorobenzidine	21.57	252	7860m	1.244	ng	

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

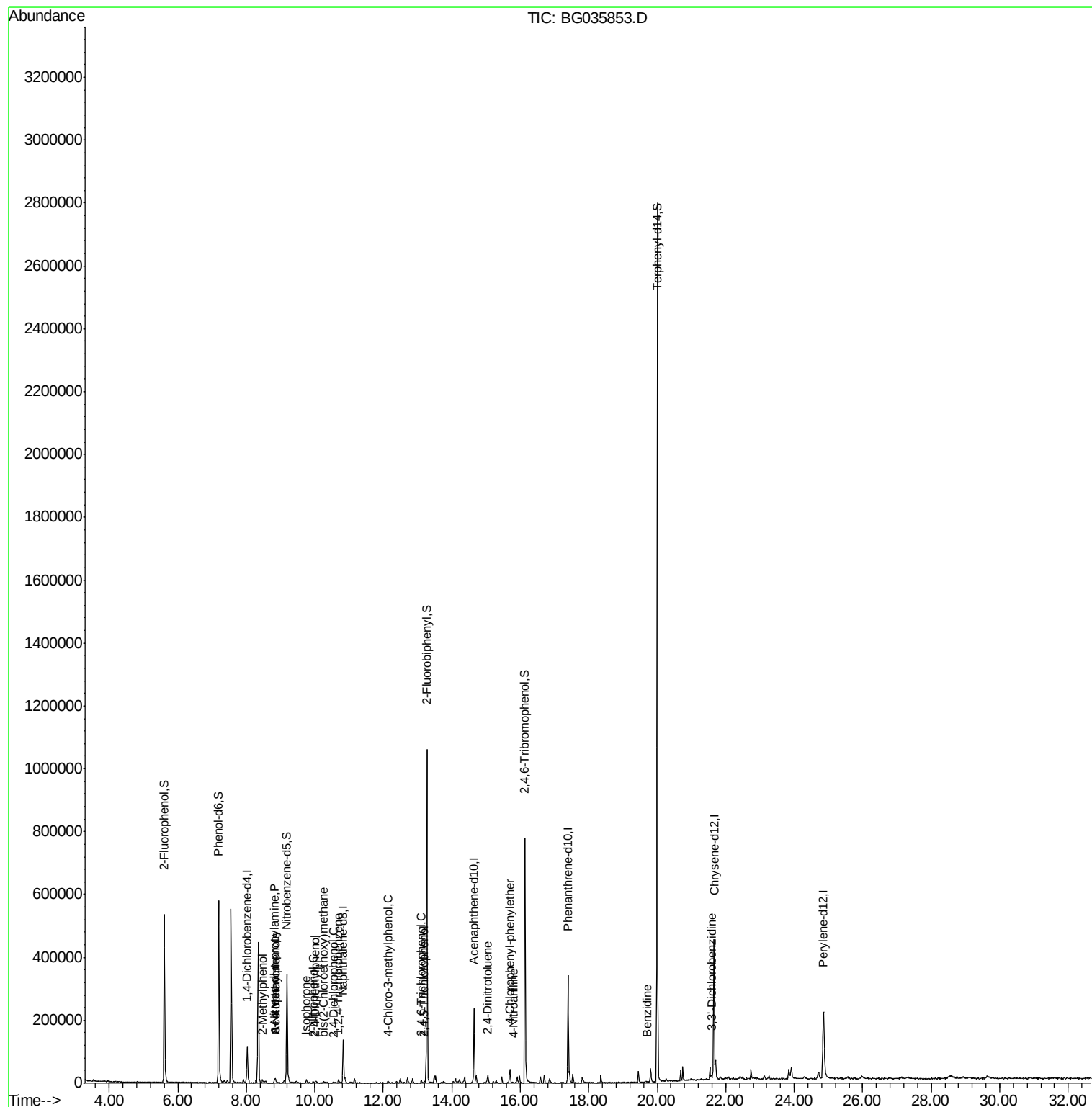
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
Data File : BG035853.D
Acq On : 24 Jul 2018 18:38
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Quant Time: Jul 25 17:31:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 14:48:00 2018
Response via : Initial Calibration





#1

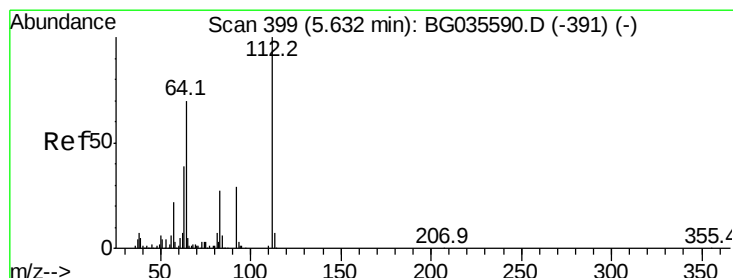
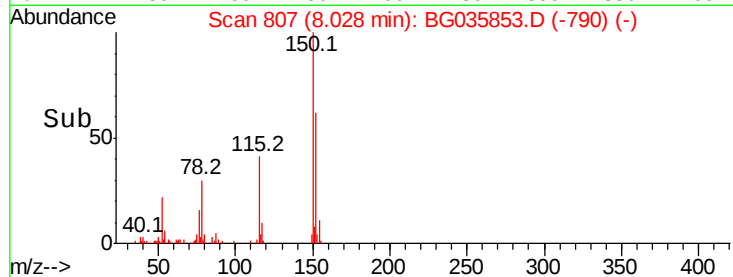
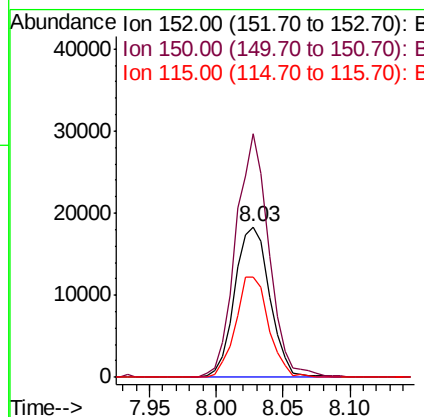
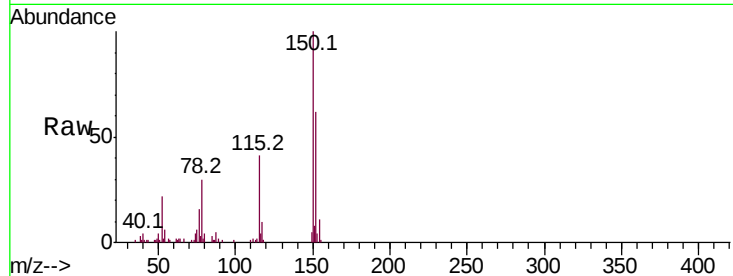
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	126.6	189.8
115	66.4	53.0	79.4

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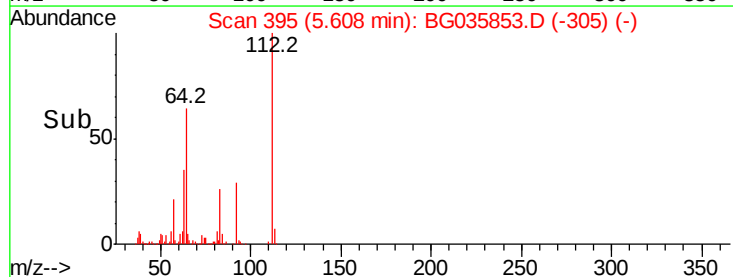
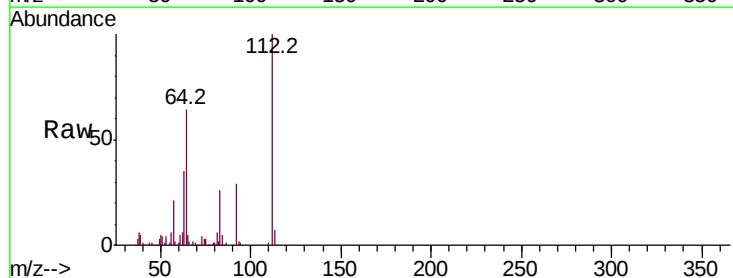
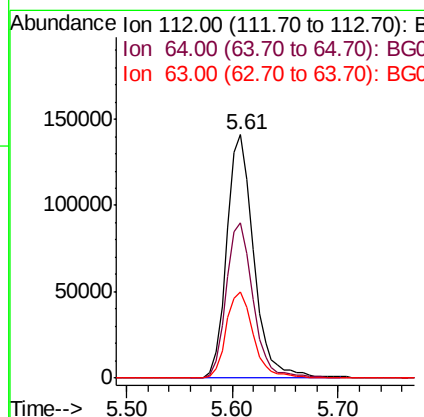
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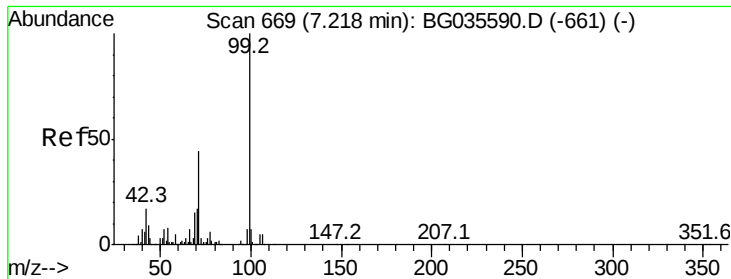


#5

2-Fluorophenol
Concen: 123.900 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	56.3	84.5
63	35.4	30.1	45.1





#7

Phenol-d6

Concen: 120.011 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Instrument :

BNA_G

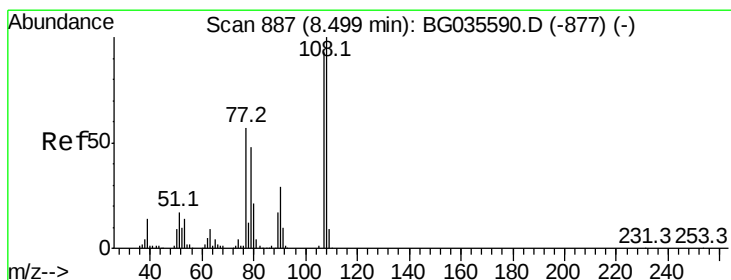
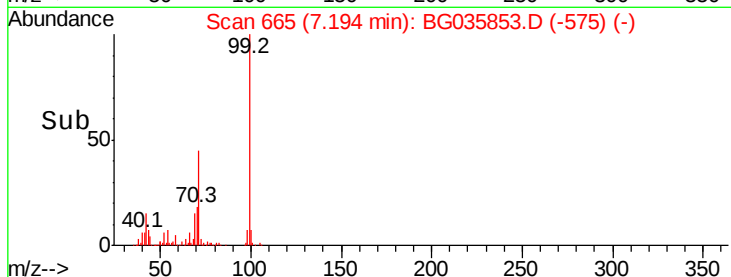
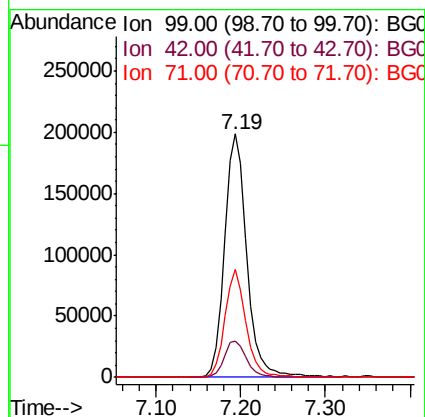
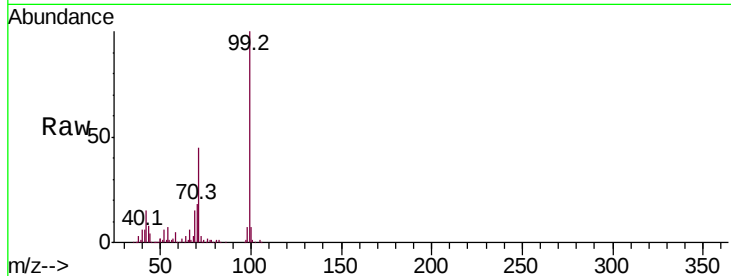
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		360280		
42	14.8	14.1	21.1		
71	44.5	26.1	39.1#		

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#17

2-Methylphenol

Concen: 1.789 ng

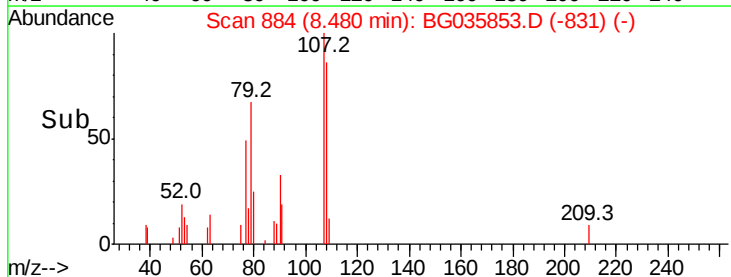
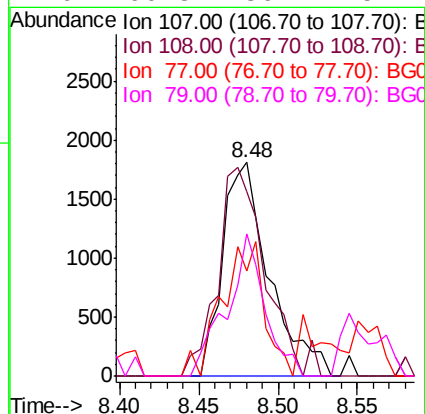
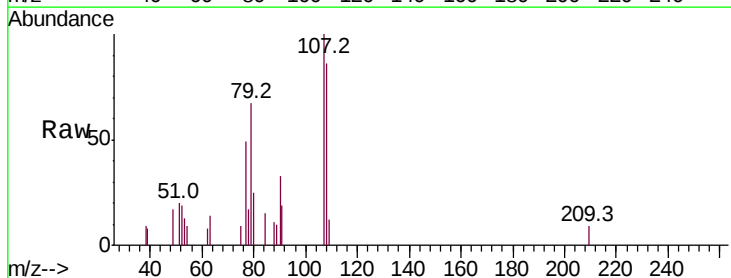
RT: 8.48 min Scan# 884

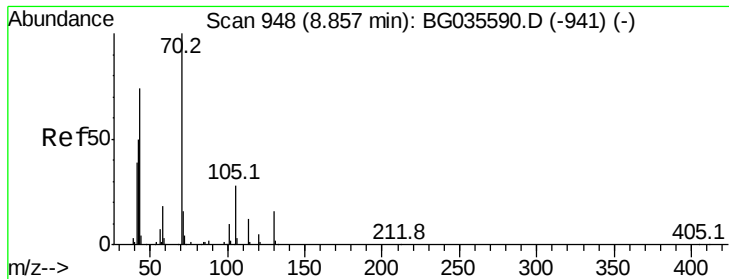
Delta R.T. 0.01 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		3690		
108	86.3	83.9	125.9		
77	49.3	37.2	55.8		
79	66.8	36.2	54.2#		





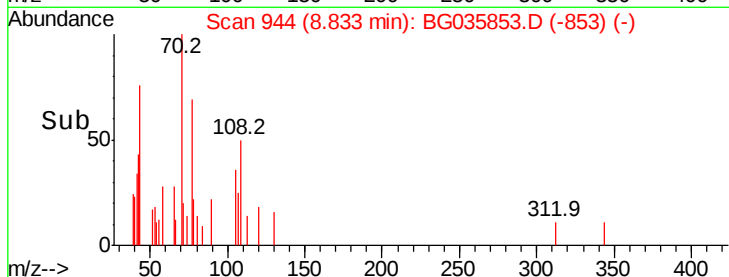
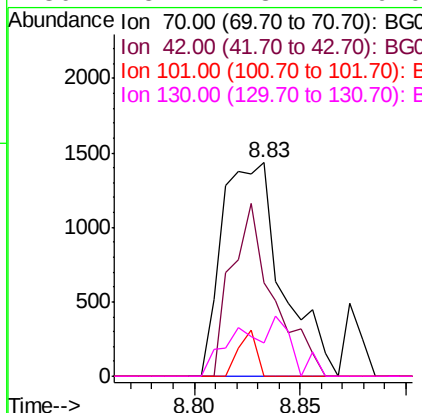
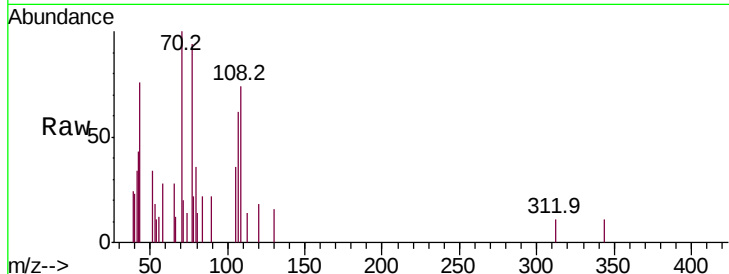
#19
n-Nitroso-di-n-propylamine
Concen: 1.127 ng
RT: 8.83 min Scan# 944
Delta R.T. 0.01 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	43.5	49.1	73.7#	
101	0.0	8.5	12.7#	
130	15.7	13.4	20.0	

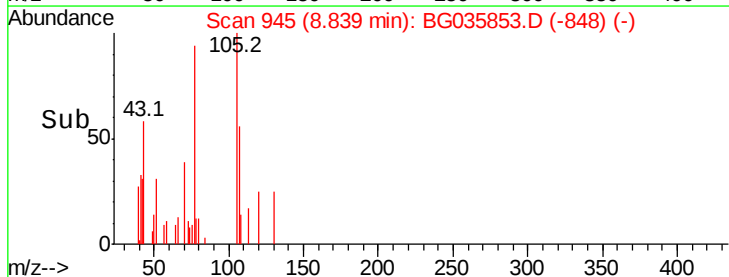
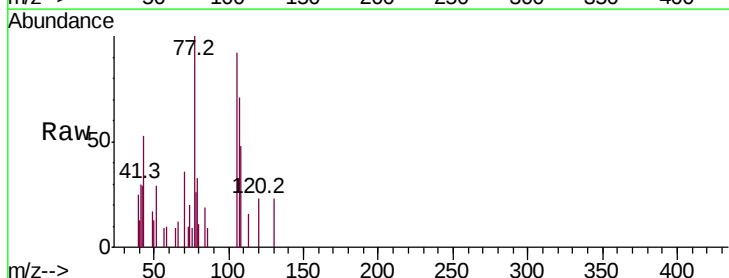
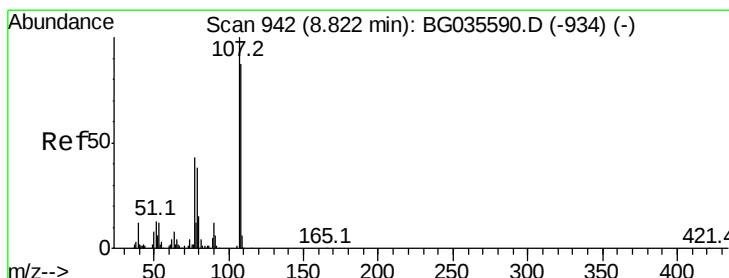
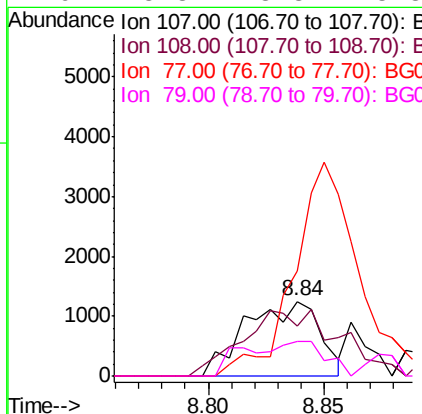
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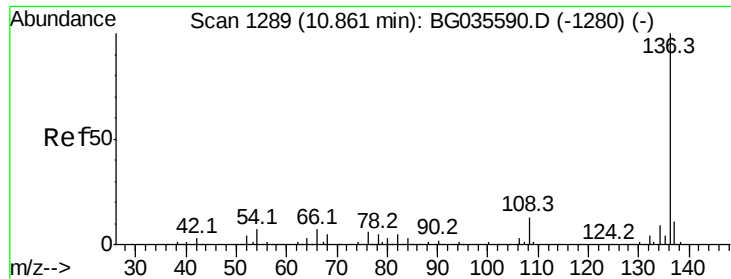
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#20
3+4-Methylphenols
Concen: 0.966 ng
RT: 8.84 min Scan# 945
Delta R.T. 0.04 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	67.4	61.6	101.6	
77	140.2	13.9	53.9#	
79	45.8	8.8	48.8	





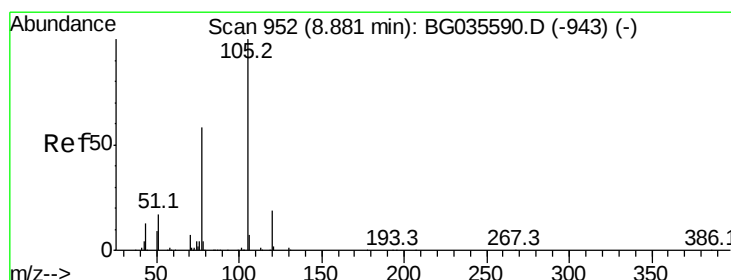
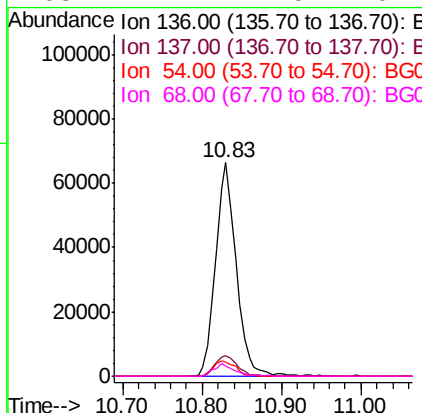
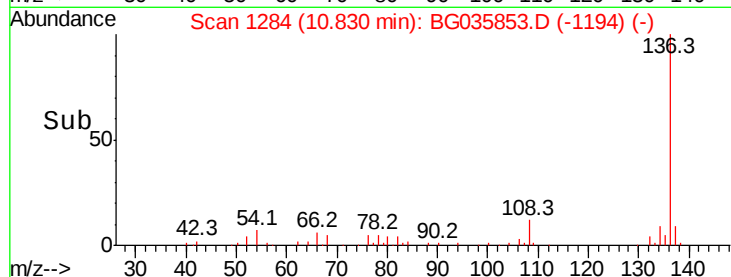
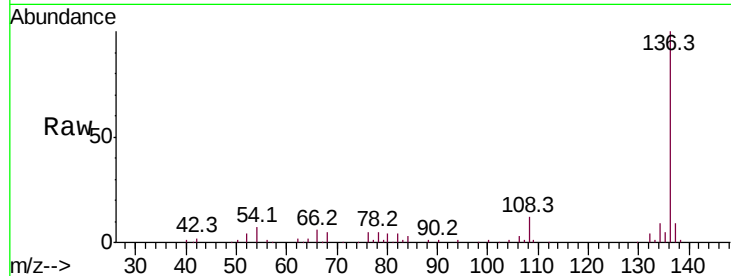
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	9.4	9.2	13.8	
54	6.7	10.3	15.5#	
68	4.7	4.5	6.7	

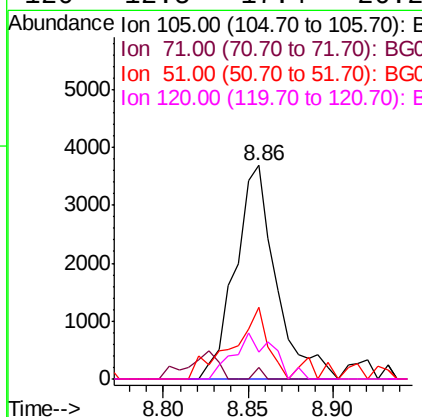
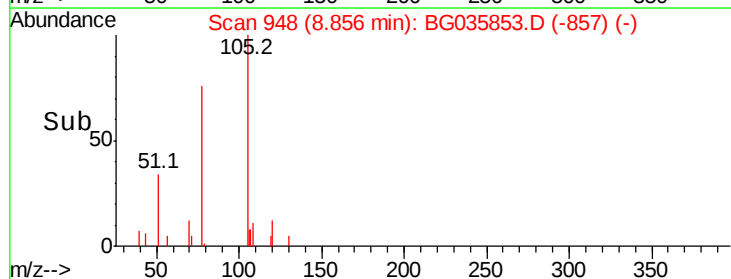
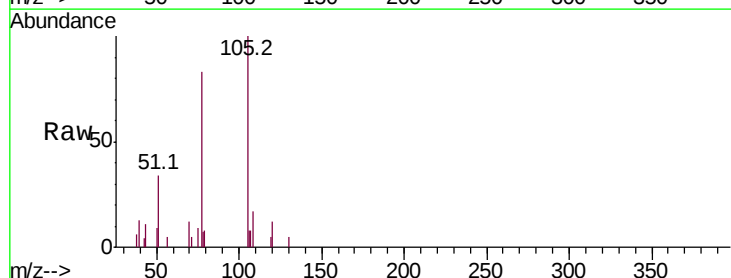
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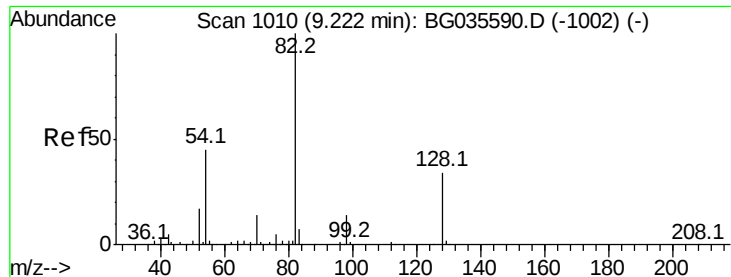
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#22
Acetophenone
Concen: 1.659 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.01 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.4	3.0	4.4#	
51	33.7	26.1	39.1	
120	12.5	17.4	26.2#	





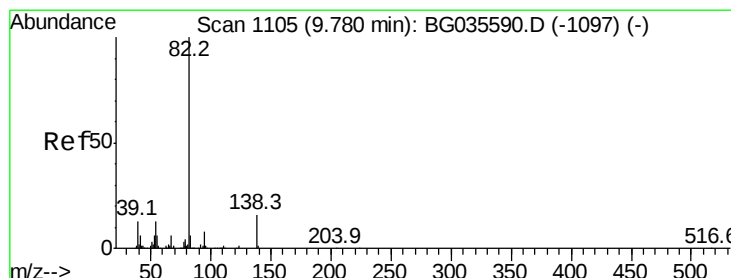
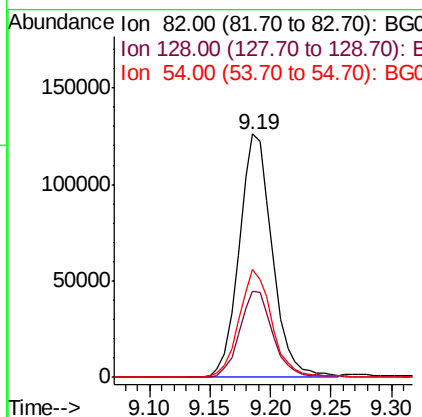
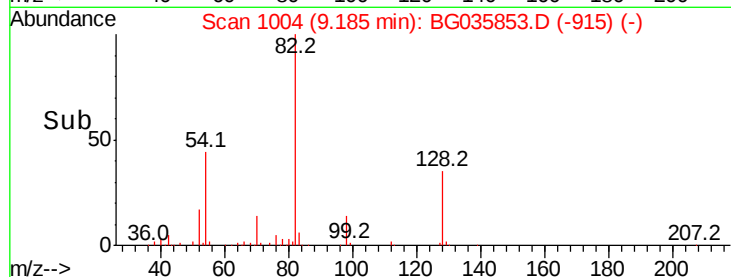
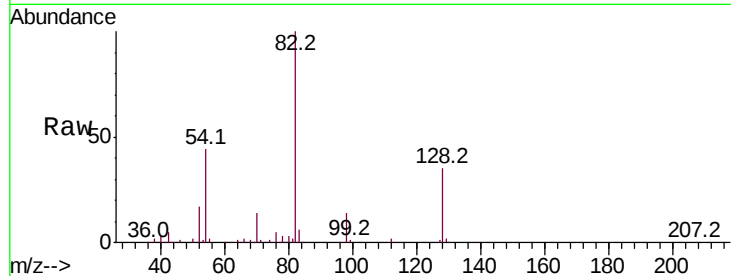
#23
Nitrobenzene-d5
Concen: 84.179 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.4	29.7	44.5	
54	44.5	43.1	64.7	

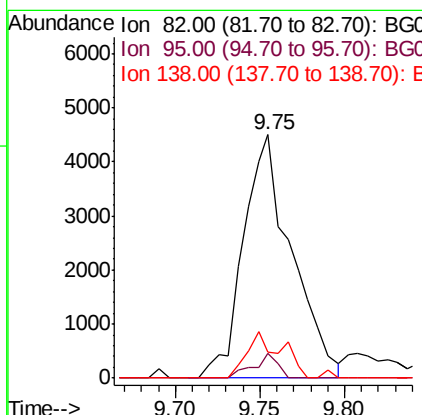
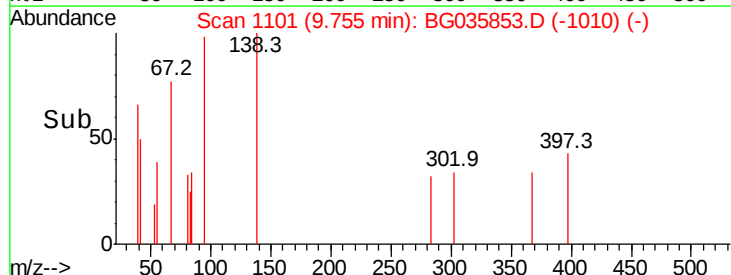
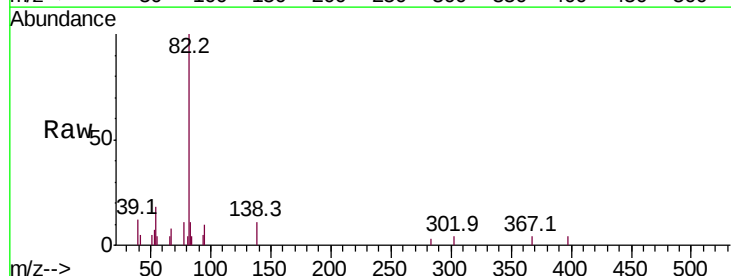
Manual Integrations
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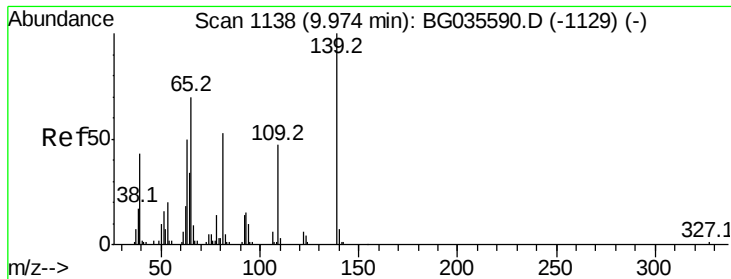
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#25
Isophorone
Concen: 1.673 ng
RT: 9.75 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
95	10.3	6.2	9.2#	
138	10.5	12.1	18.1#	





#26

2-Nitrophenol

Concen: 1.619 ng

RT: 9.95 min Scan# 1135

Delta R.T. 0.02 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Instrument :

BNA_G

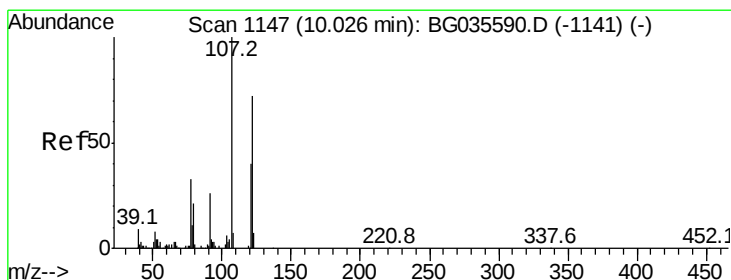
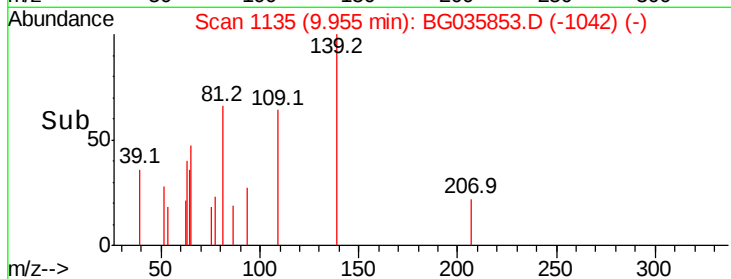
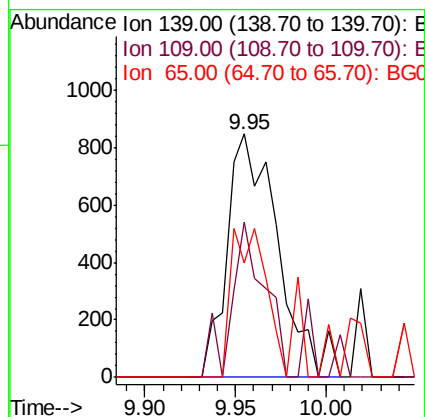
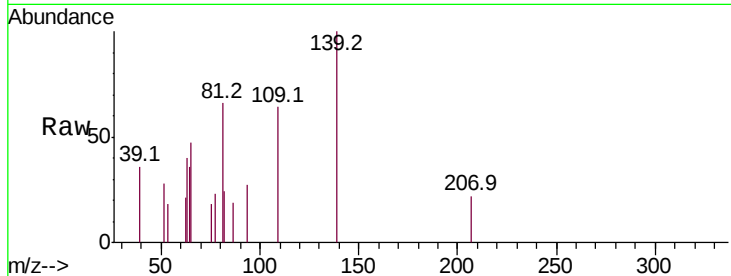
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	63.8	24.2	36.2#	
65	47.0	47.4	71.0#	

Manual Integrations
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#27

2,4-Dimethylphenol

Concen: 1.777 ng

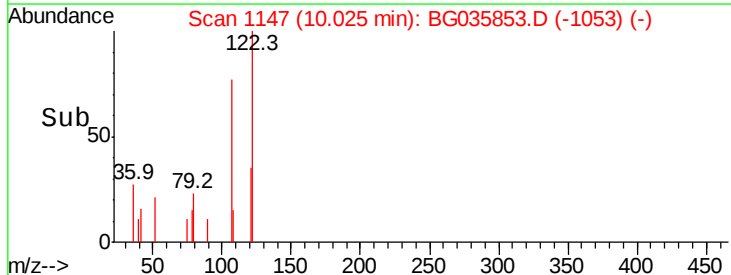
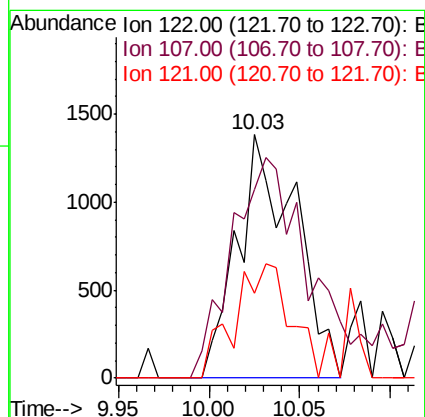
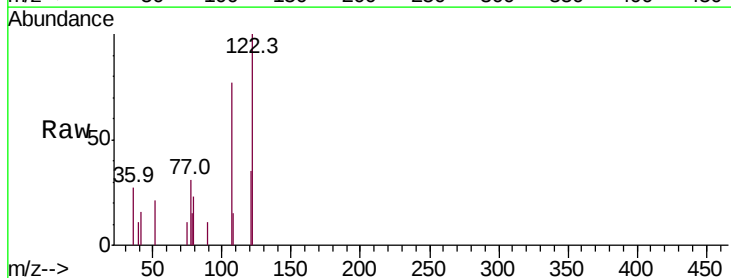
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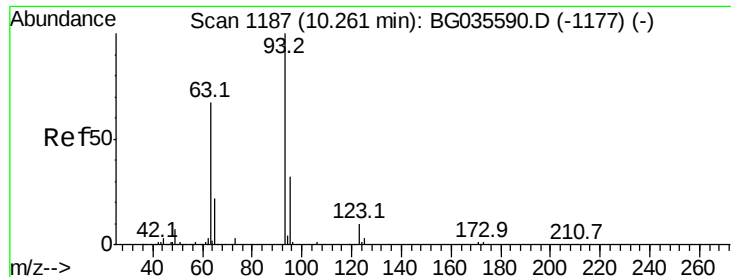
Delta R.T. 0.02 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	77.4	100.2	150.2#	
121	34.6	44.4	66.6#	





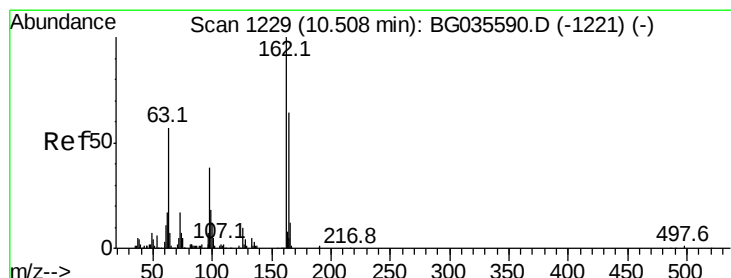
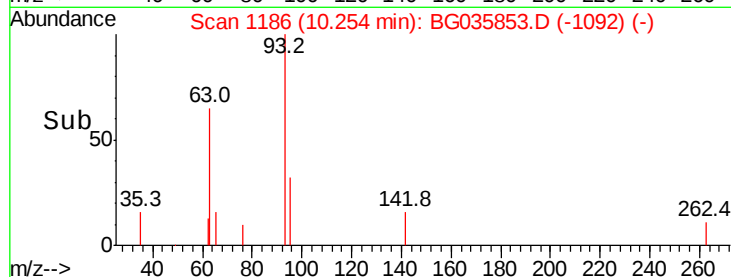
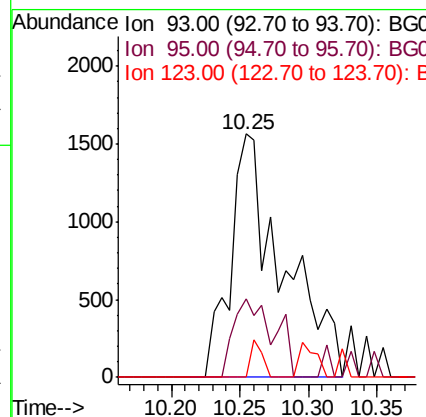
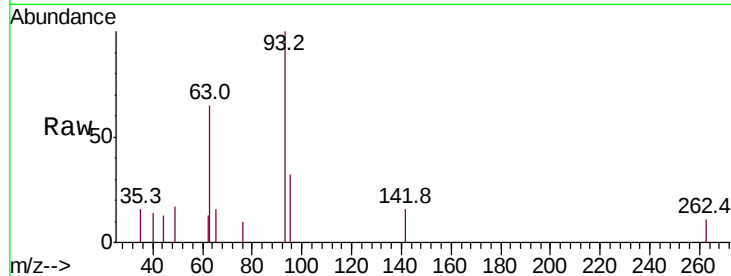
#28
 bis(2-Chloroethoxy)methane
 Concen: 1.405 ng m
 RT: 10.25 min Scan# 1186
 Delta R.T. 0.02 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Lower	Upper
93	100		
95	32.1	24.3	36.5
123	0.0	8.4	12.6

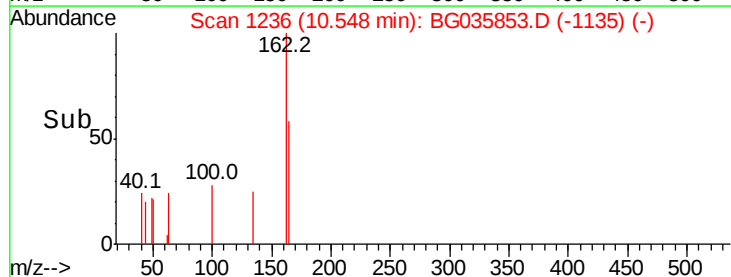
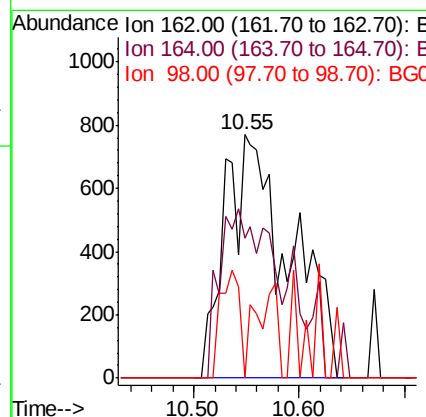
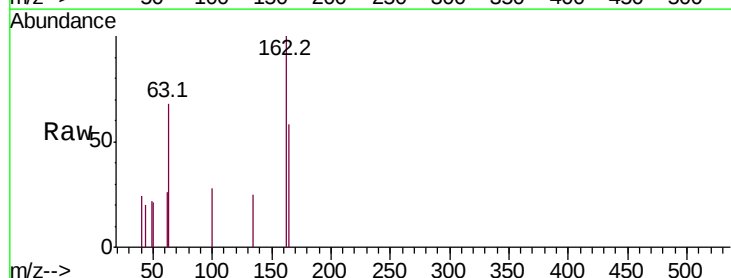
Manual Integrations
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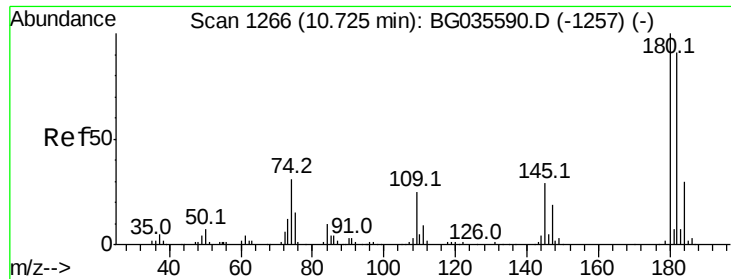
Sohil
 7/25/2018 6:34:59 PM



#29
 2,4-Dichlorophenol
 Concen: 1.661 ng m
 RT: 10.55 min Scan# 1236
 Delta R.T. 0.06 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Lower	Upper
162	100		
164	57.5	48.0	88.0
98	0.0	21.1	61.1





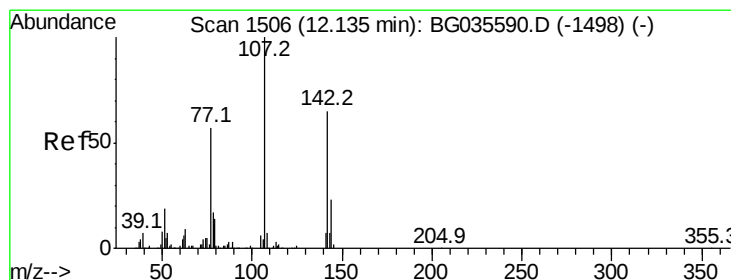
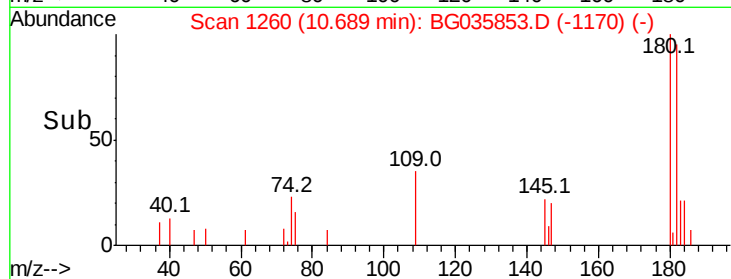
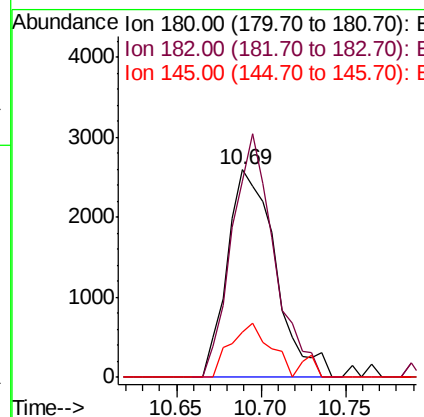
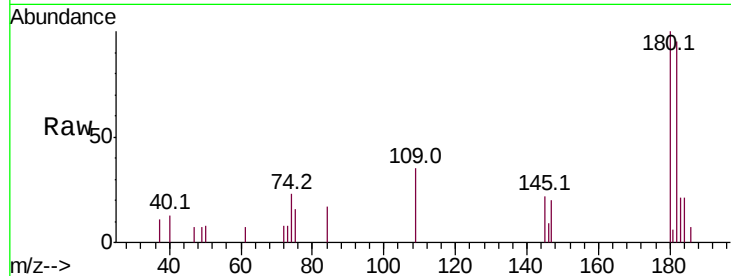
#30
 1,2,4-Trichlorobenzene
 Concen: 2.122 ng
 RT: 10.69 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.5	116.3
145	21.7	23.4	35.2#

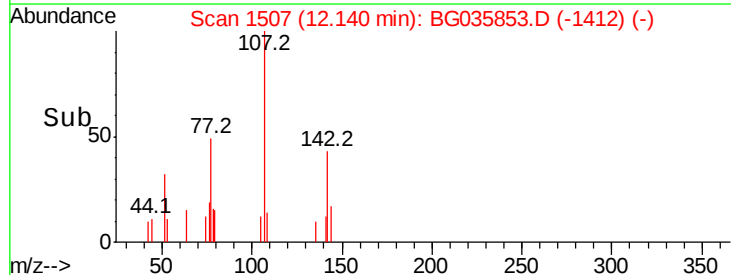
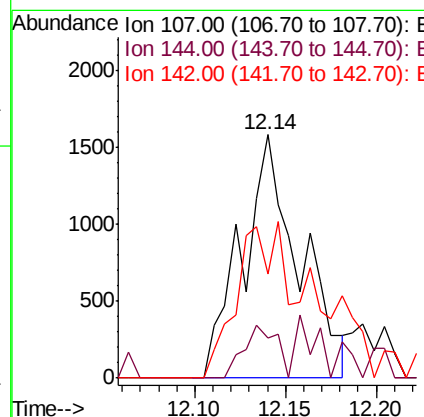
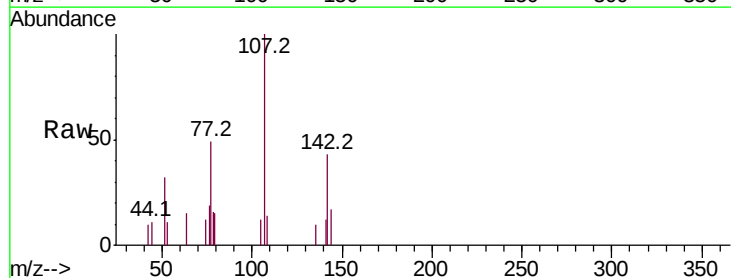
Manual Integrations
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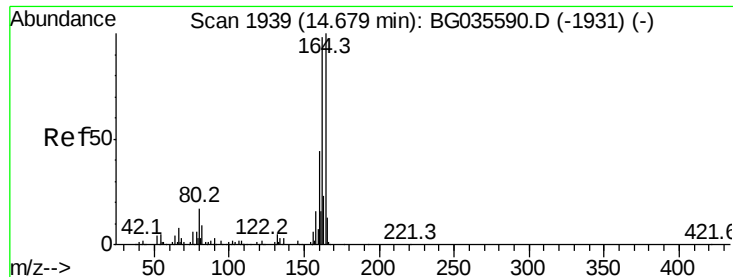
Sohil
 7/25/2018 6:34:59 PM



#36
 4-Chloro-3-methylphenol
 Concen: 1.307 ng
 RT: 12.14 min Scan# 1507
 Delta R.T. 0.03 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	16.6	18.2	27.4#
142	42.9	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: BG035853.D

Acq: 24 Jul 2018 18:38

Instrument :

BNA_G

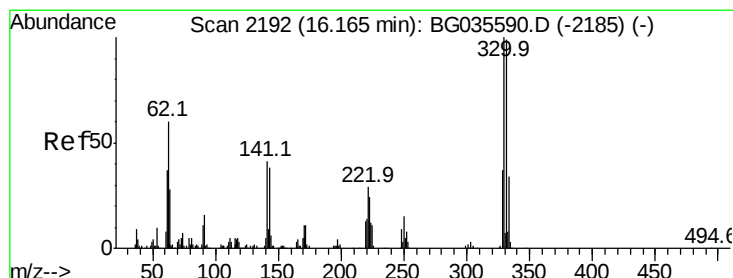
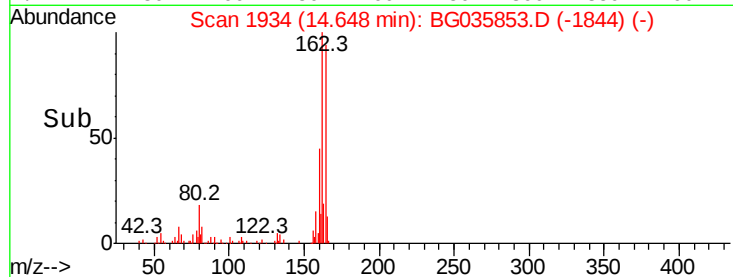
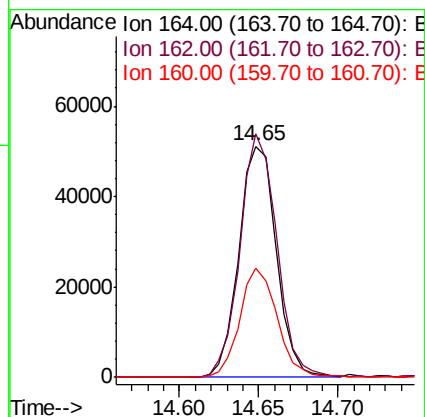
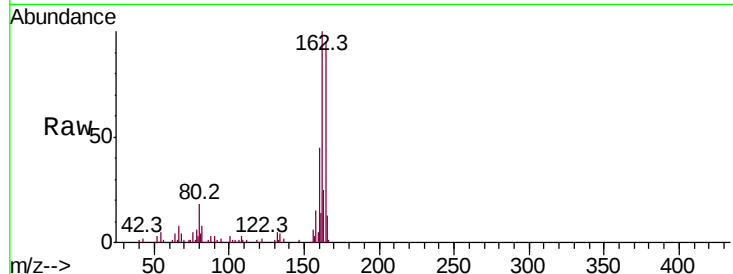
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	164	Resp:	84075
Ion Ratio	Lower	Upper	
164	100		
162	105.4	78.8	118.2
160	47.4	35.4	53.0

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 143.123 ng

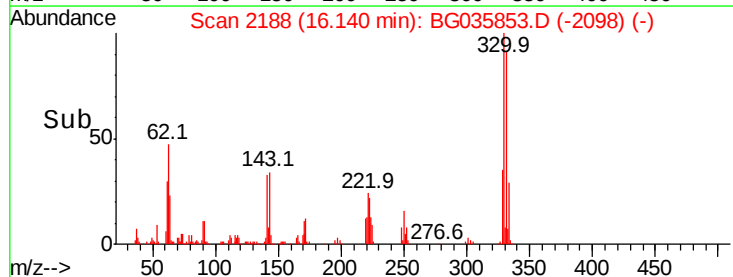
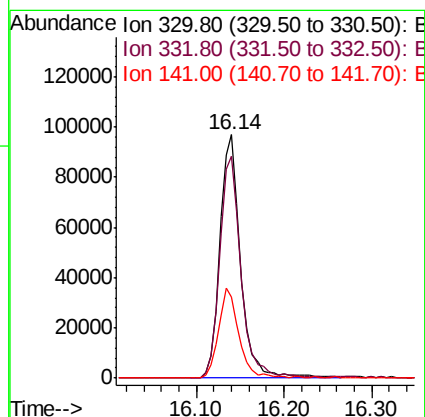
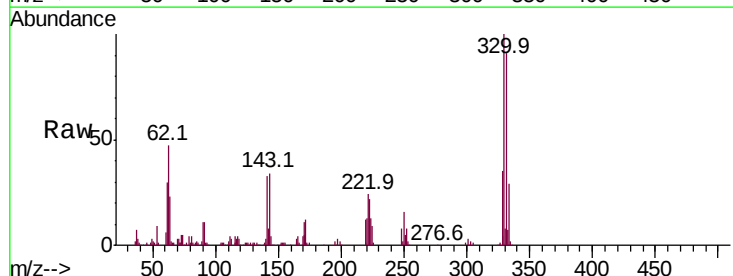
RT: 16.14 min Scan# 2188

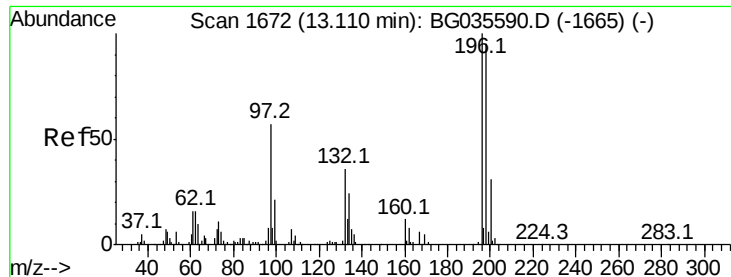
Delta R.T. -0.00 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Tgt Ion:	330	Resp:	158604
Ion Ratio	Lower	Upper	
330	100		
332	94.2	77.0	115.6
141	36.5	25.2	37.8





#42

2,4,6-Trichlorophenol

Concen: 1.739 ng

RT: 13.12 min Scan# 1673

Delta R.T. 0.03 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:196 Resp: 3227

Ion Ratio Lower Upper

196 100

198 65.1 78.2 117.2#

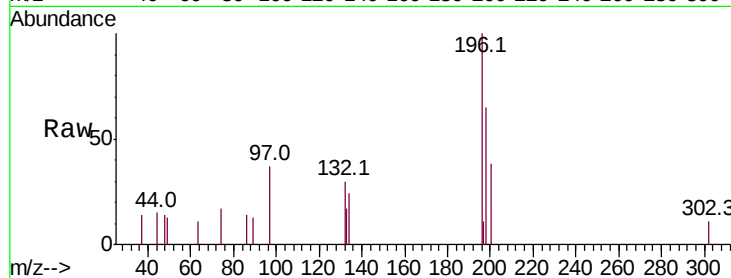
200 37.7 24.6 36.8#

Manual Integrations

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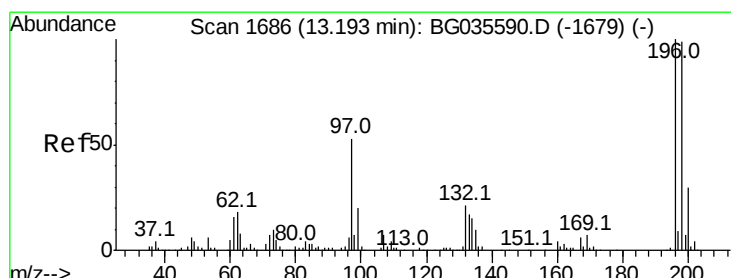
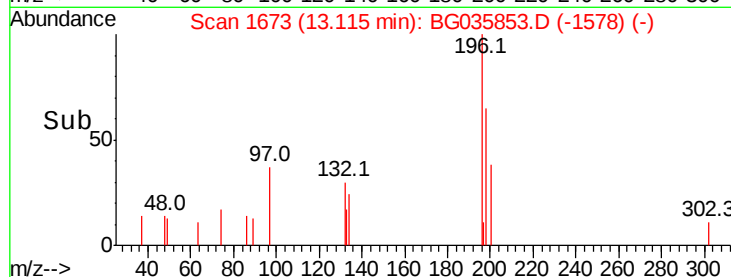
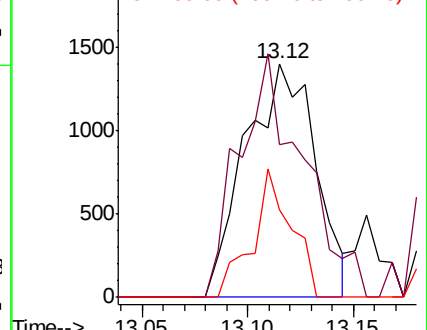


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 1.329 ng

RT: 13.20 min Scan# 1687

Delta R.T. 0.03 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Tgt Ion:196 Resp: 2760

Ion Ratio Lower Upper

196 100

198 128.9 76.2 114.4#

97 25.9 38.7 58.1#

132 23.4 20.2 30.2

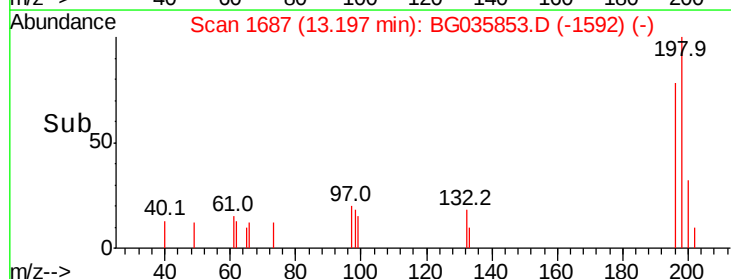
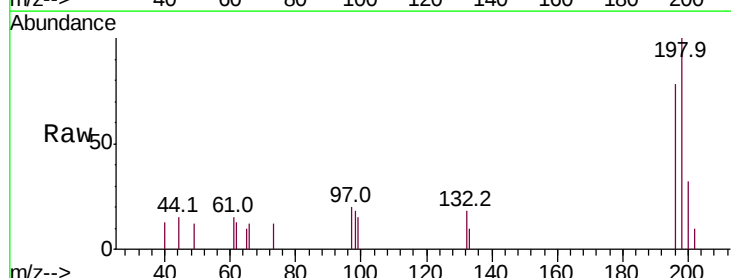
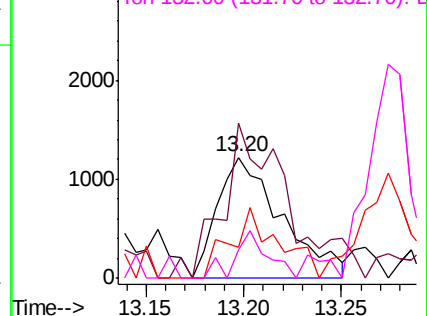
Abundance

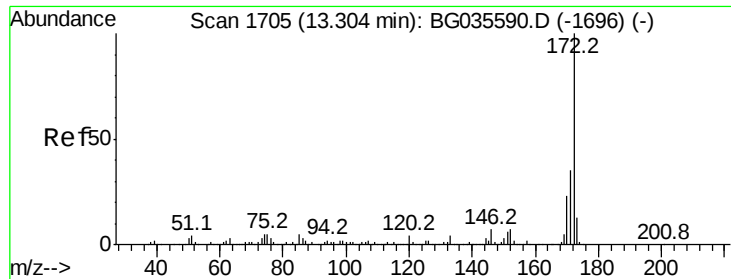
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





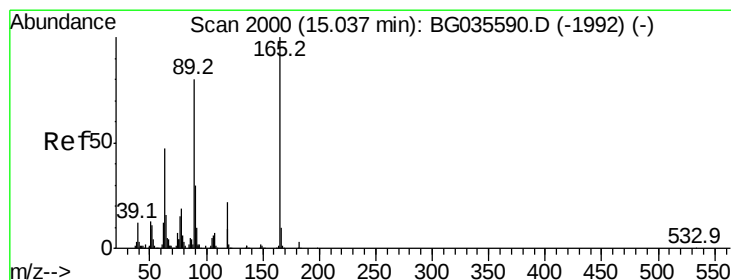
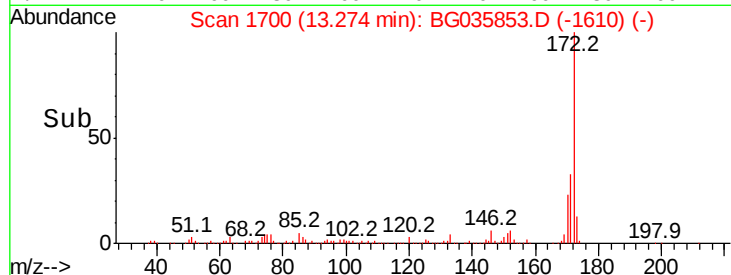
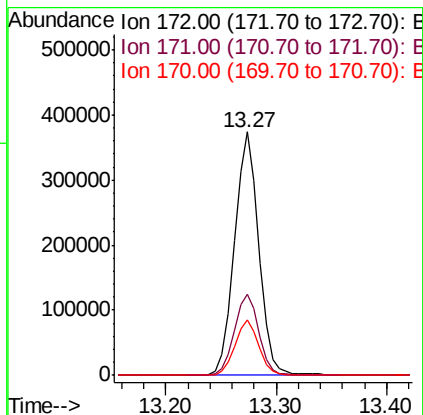
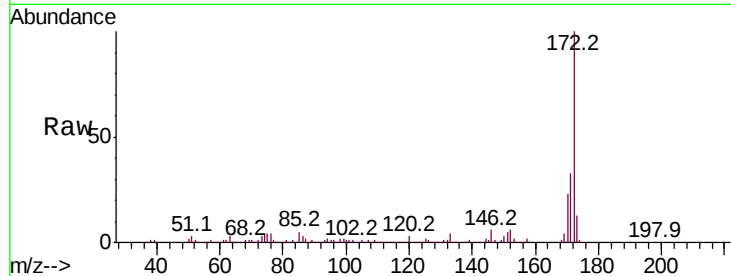
#44
2-Fluorobiphenyl
Concen: 92.004 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.0	45.0
170	23.0	19.5	29.3

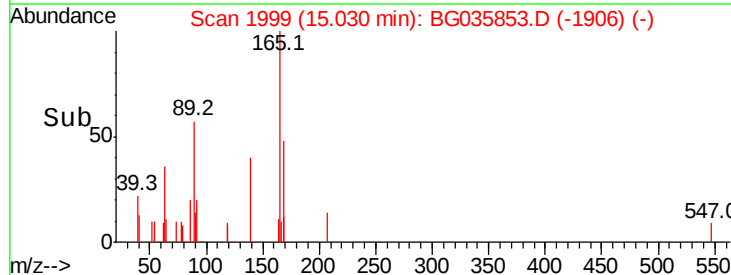
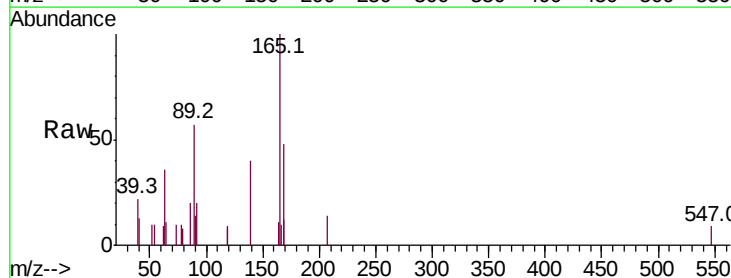
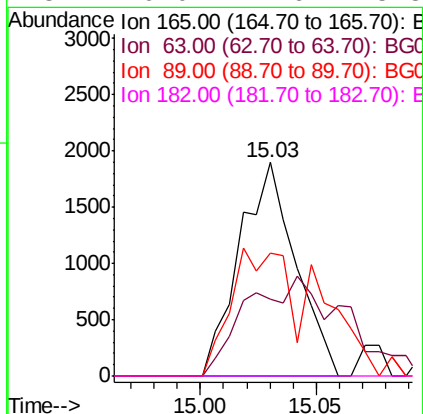
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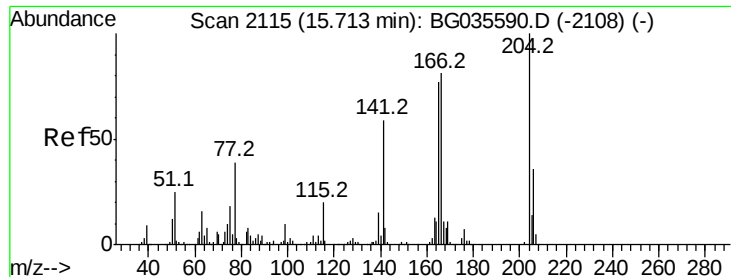
Sohil
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#56
2,4-Dinitrotoluene
Concen: 1.494 ng
RT: 15.03 min Scan# 1999
Delta R.T. 0.02 min
Lab File: BG035853.D
Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	36.0	42.0	63.0#
89	57.4	66.9	100.3#
182	0.0	2.6	3.8#





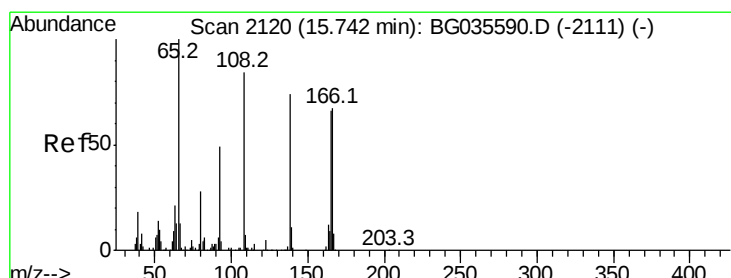
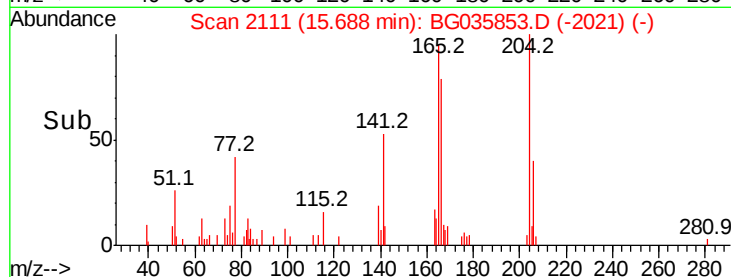
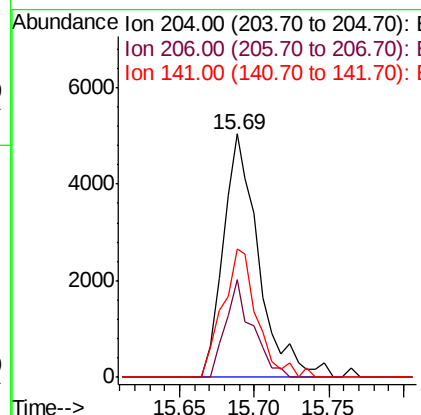
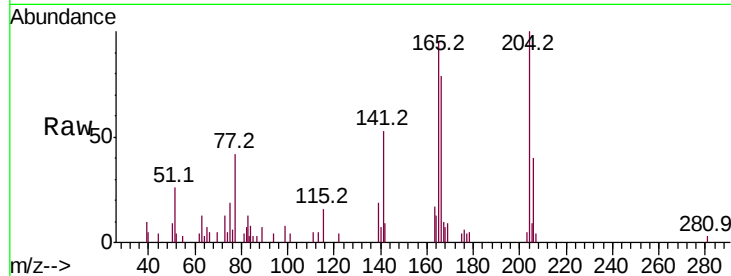
#60
 4-Chlorophenyl-phenylether
 Concen: 2.014 ng
 RT: 15.69 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	40.1	26.2	39.2#
141	52.8	45.8	68.6

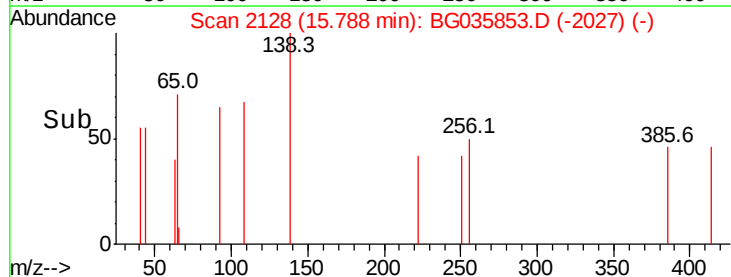
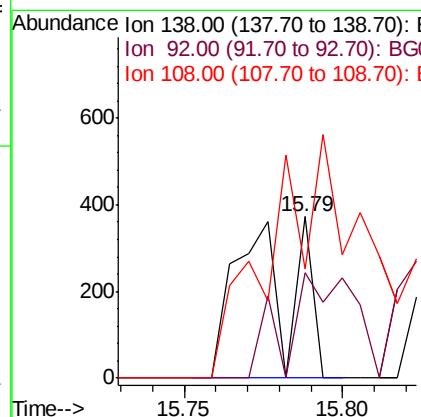
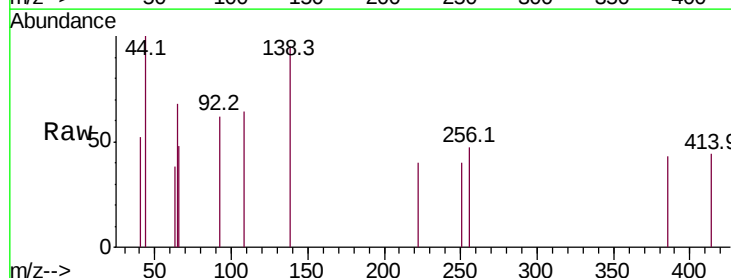
Manual Integrations
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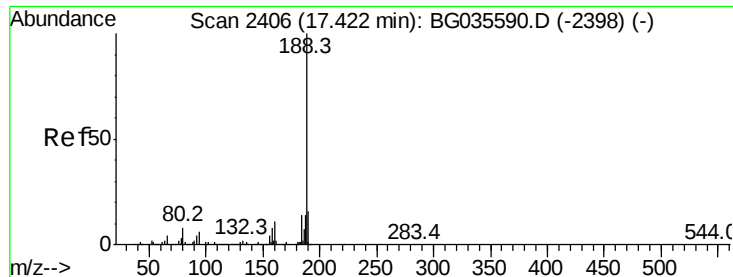
Sohil
 7/25/2018 6:34:59 PM



#61
 4-Nitroaniline
 Concen: 0.282 ng
 RT: 15.79 min Scan# 2128
 Delta R.T. 0.06 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	65.1	40.1	80.1
108	67.3	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: BG035853.D

Acq: 24 Jul 2018 18:38

Instrument :

BNA_G

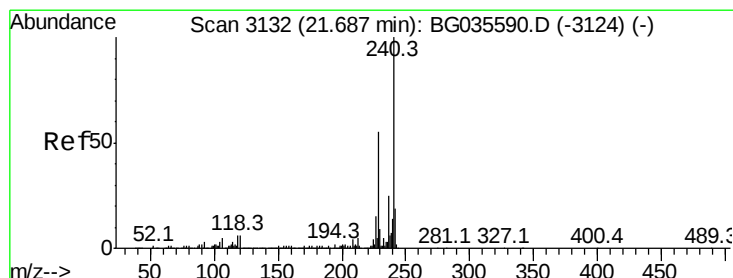
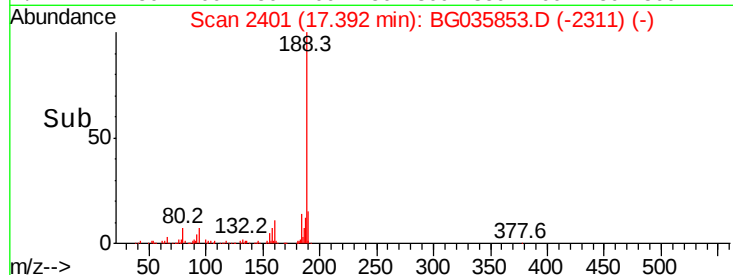
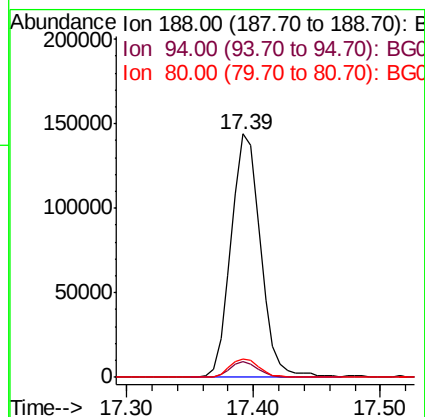
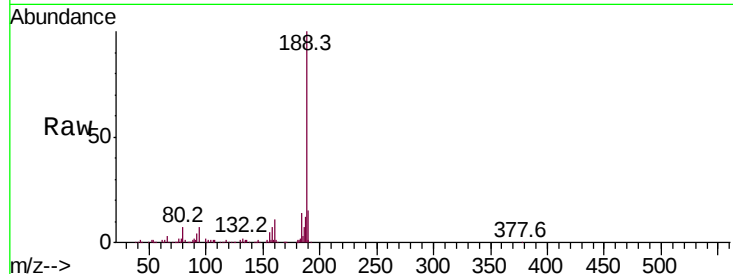
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:188	Resp: 231447
Ion Ratio	Lower Upper
188 100	
94 6.7	6.9 10.3#
80 7.4	7.7 11.5#

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#75

Chrysene-d12

Concen: 20.000 ng

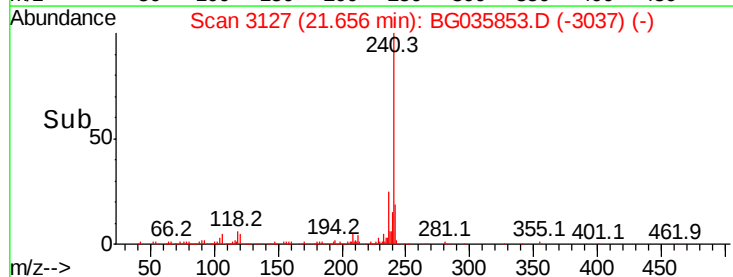
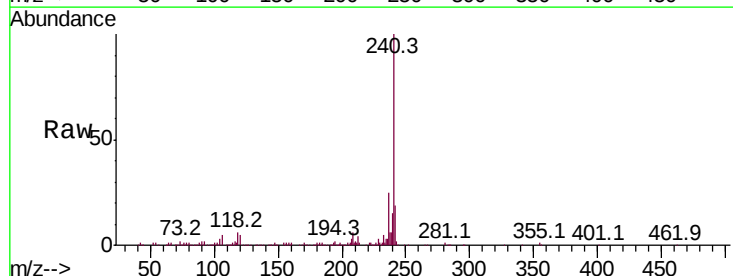
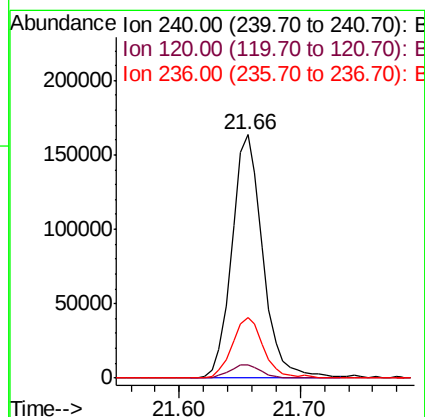
RT: 21.66 min Scan# 3127

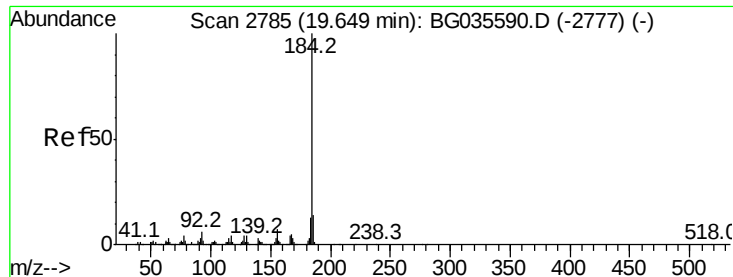
Delta R.T. -0.00 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Tgt Ion:240	Resp: 290795
Ion Ratio	Lower Upper
240 100	
120 5.3	6.8 10.2#
236 25.1	20.9 31.3





#76

Benzidine

Concen: 0.417 ng/mL

RT: 19.69 min Scan# 2793

Delta R.T. 0.07 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Instrument :

BNA_G

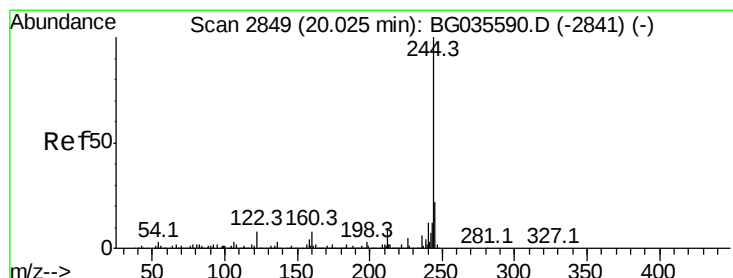
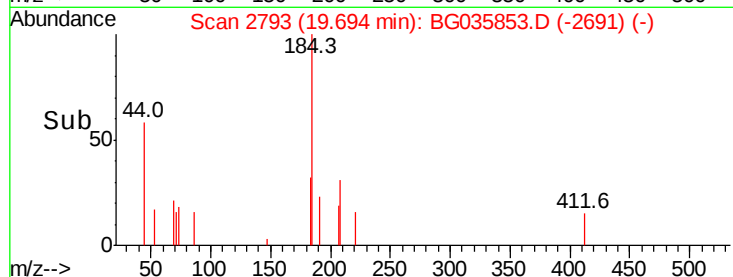
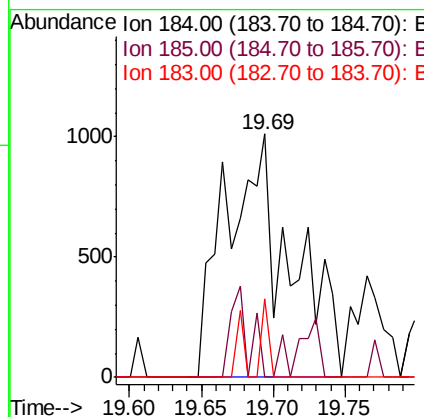
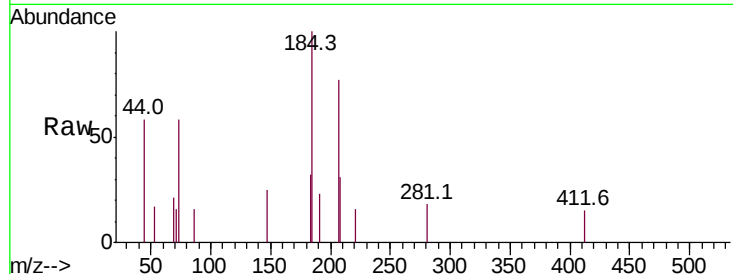
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	184	Resp:	3189
Ion Ratio	Lower	Upper	
184	100		
185	0.0	11.1	16.7#
183	32.3	10.6	16.0#

Manual Integrations
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#78

Terphenyl-d14

Concen: 100.702 ng

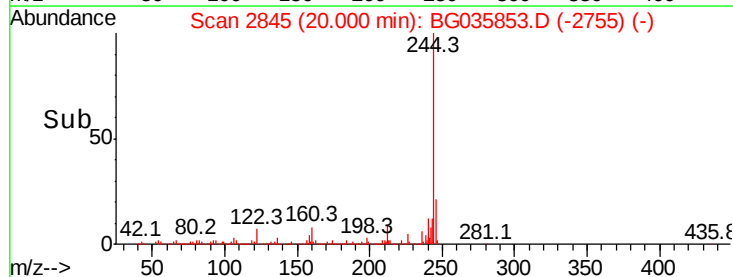
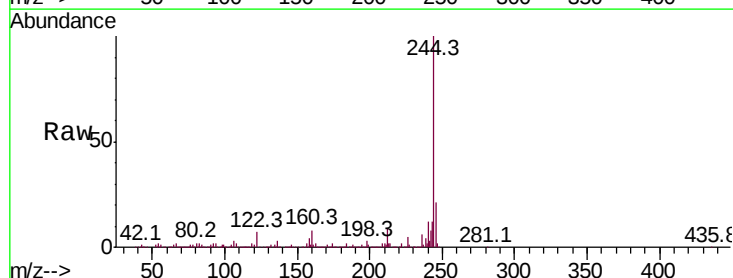
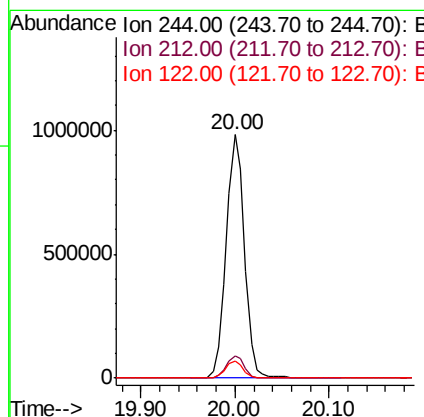
RT: 20.00 min Scan# 2845

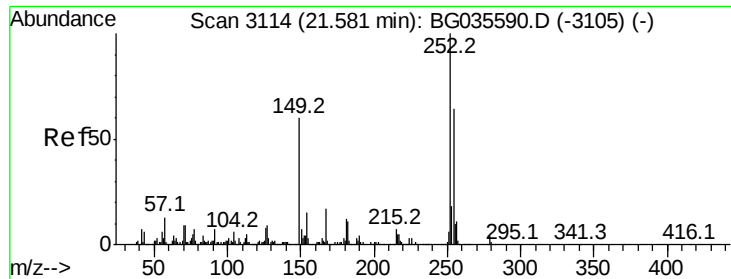
Delta R.T. -0.00 min

Lab File: BG035853.D

Acq: 24 Jul 2018 18:38

Tgt Ion:	244	Resp:	1328480
Ion Ratio	Lower	Upper	
244	100		
212	9.1	5.8	8.8#
122	6.9	7.0	10.4#





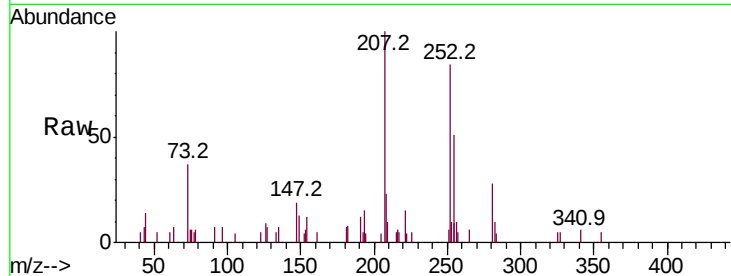
#81
 3,3'-Dichlorobenzidine
 Concen: 1.244 ng/ml
 RT: 21.57 min Scan# 3112
 Delta R.T. 0.01 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	61.4	50.8	76.2
126	10.4	7.4	11.2

Manual Integrations
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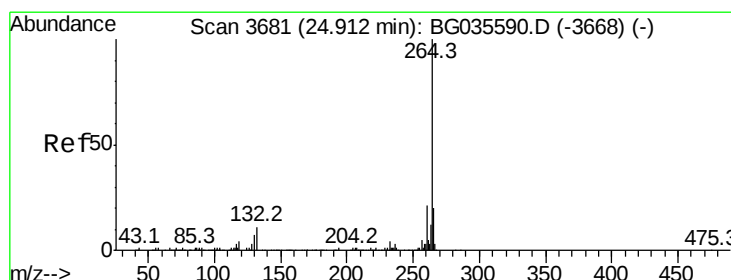
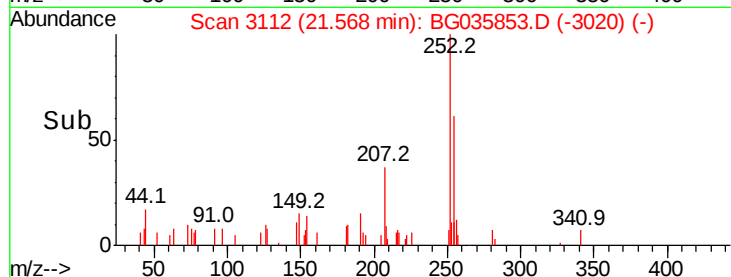
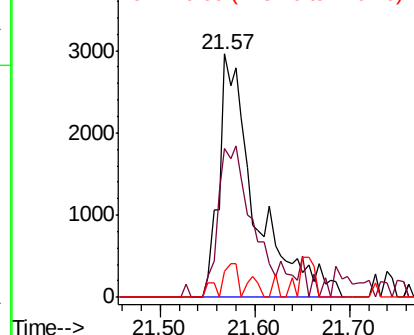


Abundance

Ion 252.00 (251.70 to 252.70): E

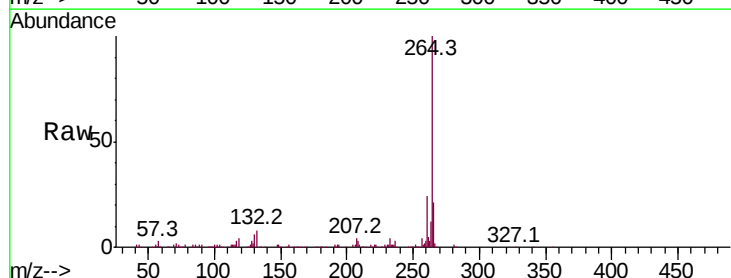
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: BG035853.D
 Acq: 24 Jul 2018 18:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.2	17.7	26.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

