

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035862.D
 Acq On : 25 Jul 2018 1:09
 Operator : JU/SJ
 Sample : J3762-09
 Misc : MDL 2PPM
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 25 03:53:51 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	37587	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	137638	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	96687	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	251960	20.00	ng	0.00
75) Chrysene-d12	21.65	240	292593	20.00	ng	0.00
86) Perylene-d12	24.85	264	258990	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	282869	124.94	ng	0.00
7) Phenol-d6	7.19	99	407753	120.72	ng	0.00
23) Nitrobenzene-d5	9.19	82	275584	83.64	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	168052	131.87	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	645405	89.43	ng	0.00
78) Terphenyl-d14	20.00	244	1379067	103.89	ng	0.00

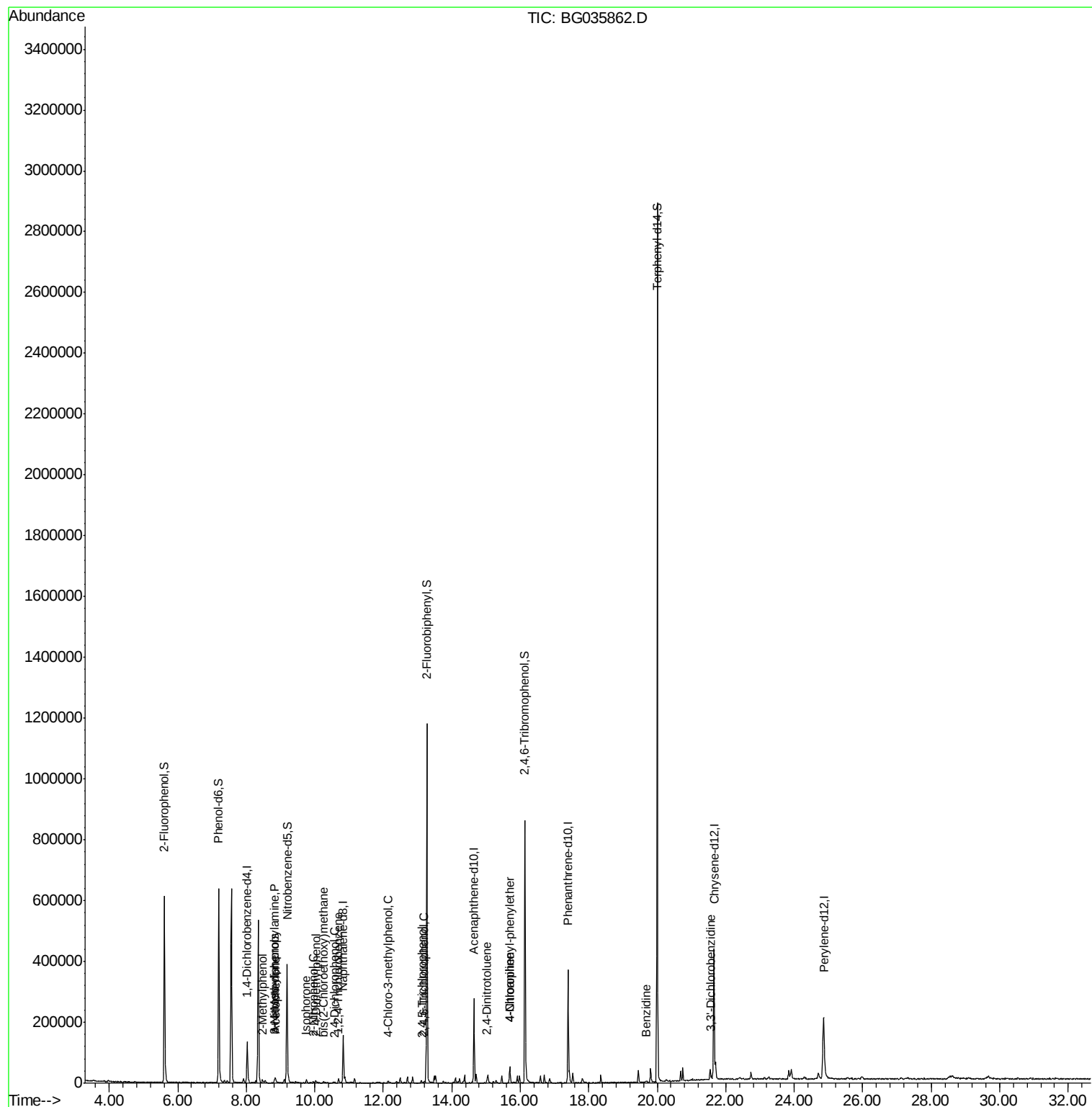
Target Compounds				Qvalue		
17) 2-Methylphenol	8.47	107	3833	1.652	ng	# 83
19) n-Nitroso-di-n-propylamine	8.83	70	3653	1.284	ng	# 61
20) 3+4-Methylphenols	8.82	107	4378	1.360	ng	85
22) Acetophenone	8.86	105	7673	1.793	ng	# 81
25) Isophorone	9.76	82	11119	1.818	ng	# 88
26) 2-Nitrophenol	9.96	139	1501	1.275	ng	# 69
27) 2,4-Dimethylphenol	10.03	122	3784	1.900	ng	# 79
28) bis(2-Chloroethoxy)methane	10.25	93	5371	1.594	ng	92
29) 2,4-Dichlorophenol	10.57	162	1721	0.757	ng	99
30) 1,2,4-Trichlorobenzene	10.69	180	5951	2.134	ng	# 69
36) 4-Chloro-3-methylphenol	12.14	107	2710	0.889	ng	# 72
42) 2,4,6-Trichlorophenol	13.19	196	2278	1.067	ng	89
43) 2,4,5-Trichlorophenol	13.15	196	395	0.165	ng	# 46
56) 2,4-Dinitrotoluene	15.02	165	3460	1.398	ng	# 80
60) 4-Chlorophenyl-phenylether	15.69	204	9758	2.047	ng	95
61) 4-Nitroaniline	15.69	138	57	0.031	ng	# 12
76) Benzidine	19.68	184	2546	0.331	ng	# 72
81) 3,3'-Dichlorobenzidine	21.57	252	8251	1.298	ng	# 81

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

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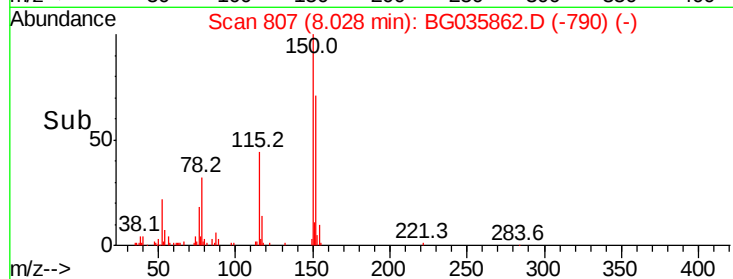
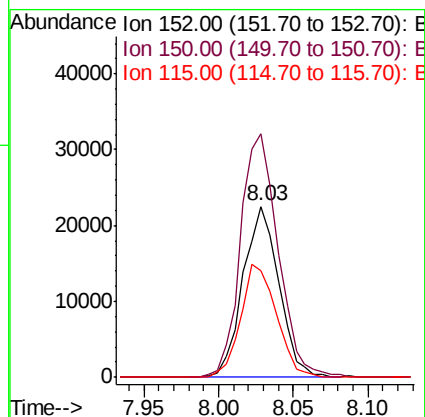
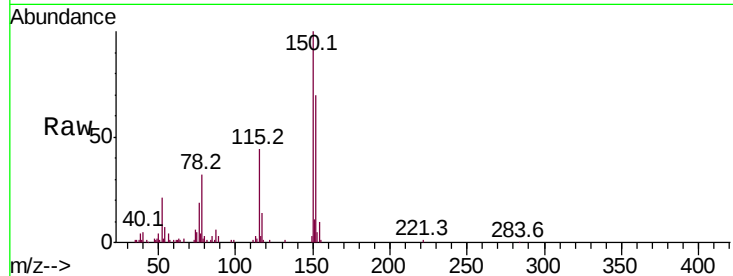


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

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

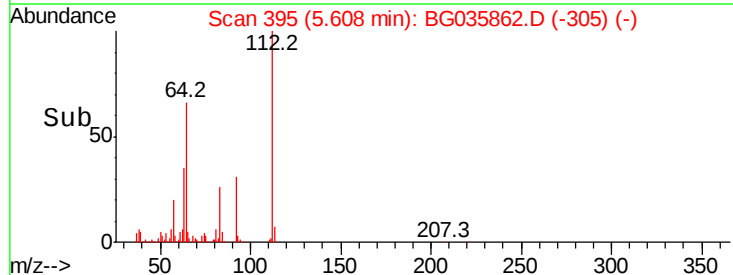
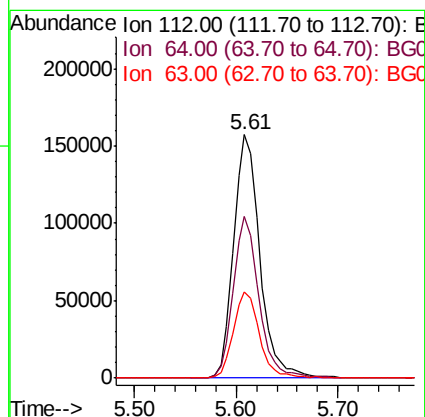
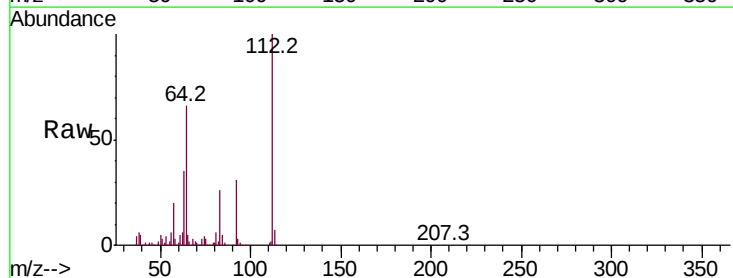
Tot Ion	Ratio	Lower	Upper
152	100		
150	142.5	126.6	189.8
115	62.1	53.0	79.4



#5

2-Fluorophenol
Concen: 124.945 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	56.3	84.5
63	35.4	30.1	45.1





#7

Phenol-d6

Concen: 120.716 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

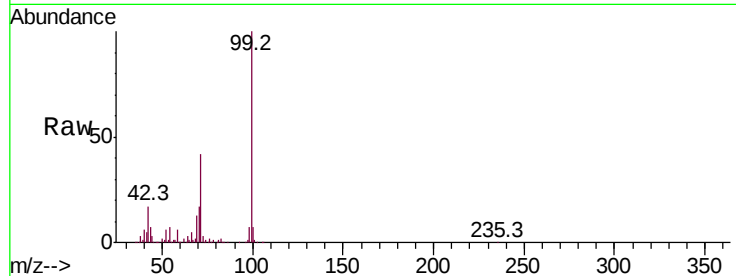
Tot Ion: 99 Resp: 407753

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

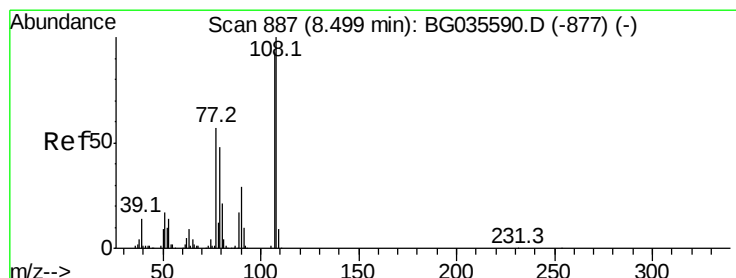
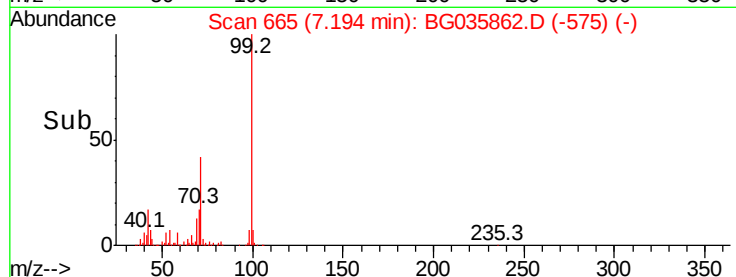
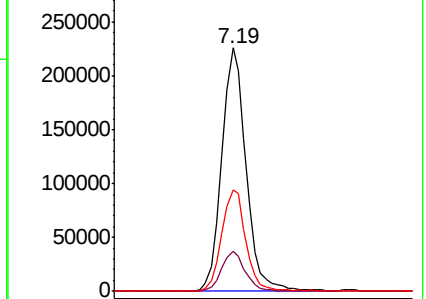
71 41.6 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#17

2-Methylphenol

Concen: 1.652 ng

RT: 8.47 min Scan# 883

Delta R.T. 0.01 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Tgt Ion:107 Resp: 3833

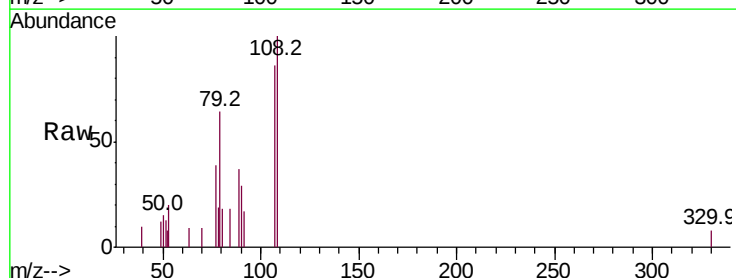
Ion Ratio Lower Upper

107 100

108 115.7 83.9 125.9

77 44.6 37.2 55.8

79 74.5 36.2 54.2#

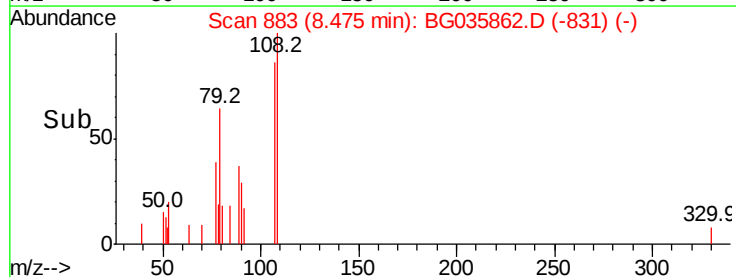
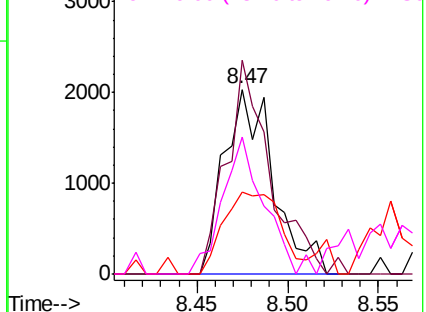


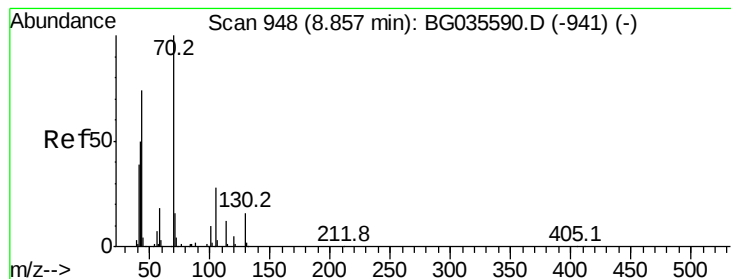
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 1.284 ng

RT: 8.83 min Scan# 943

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 70 Resp: 3653

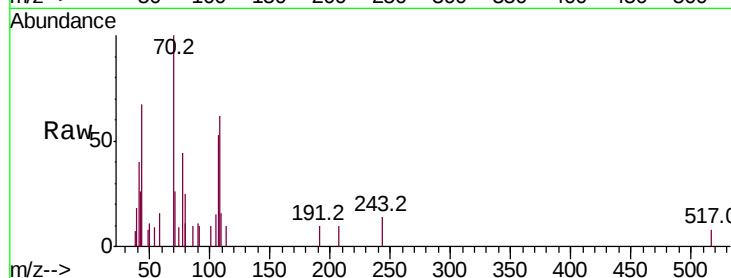
Ion Ratio Lower Upper

70 100

42 26.1 49.1 73.7#

101 9.8 8.5 12.7

130 0.0 13.4 20.0#

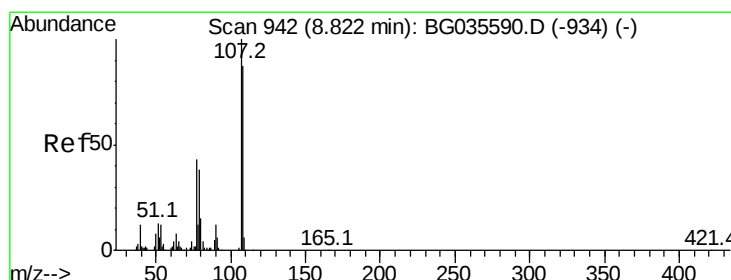
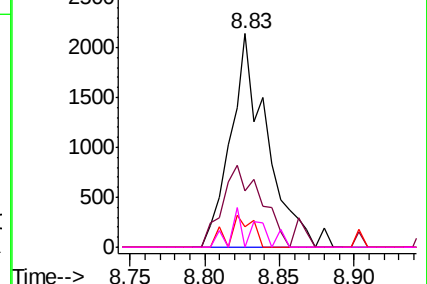
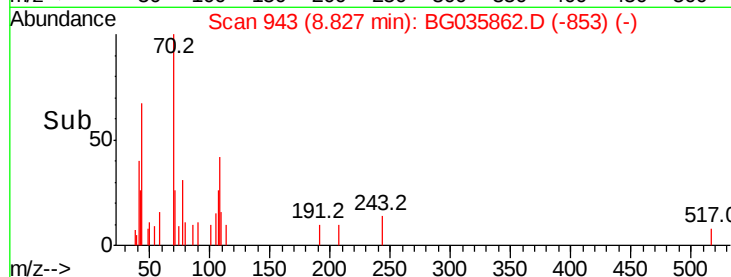


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 1.360 ng

RT: 8.82 min Scan# 942

Delta R.T. 0.02 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Tgt Ion: 107 Resp: 4378

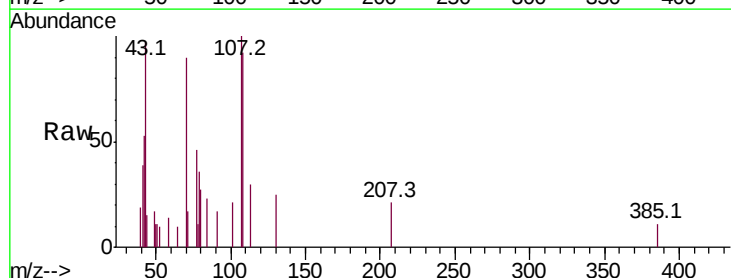
Ion Ratio Lower Upper

107 100

108 92.4 61.6 101.6

77 46.3 13.9 53.9

79 36.3 8.8 48.8

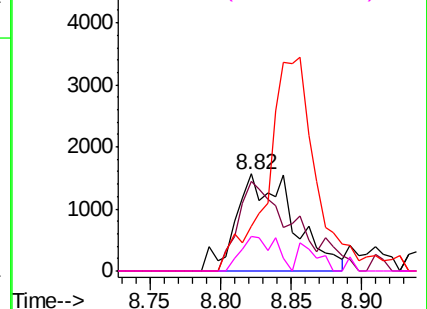
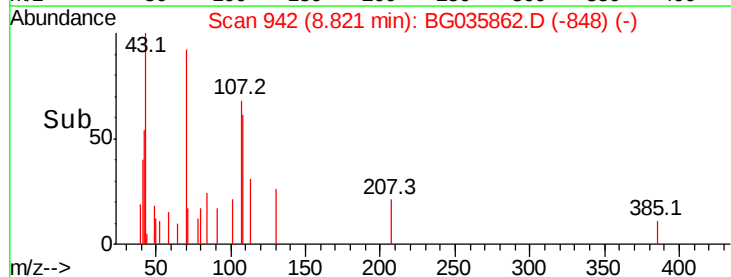


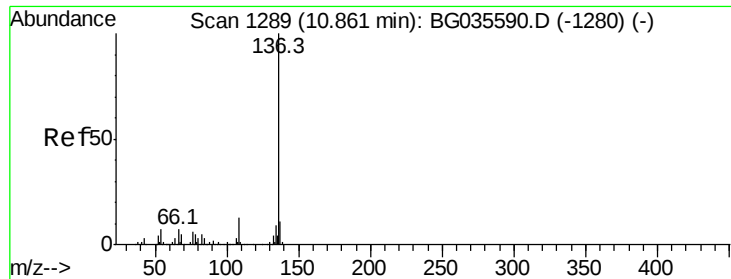
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:136 Resp: 137638

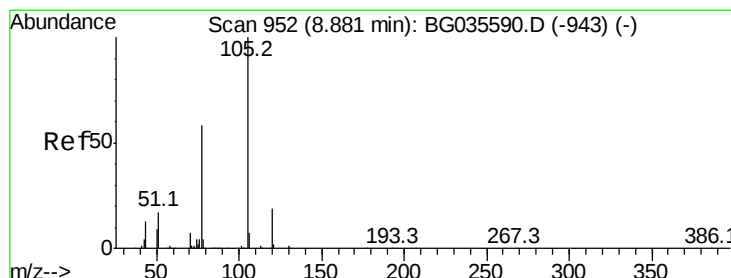
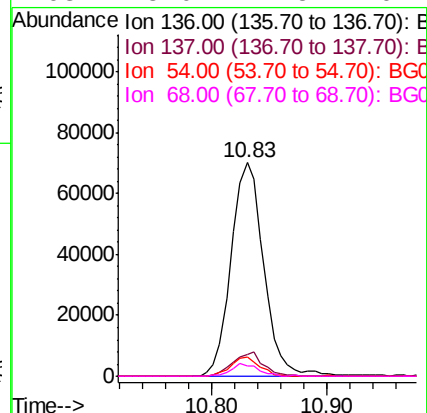
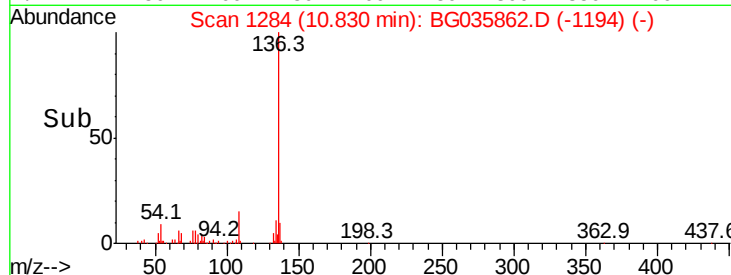
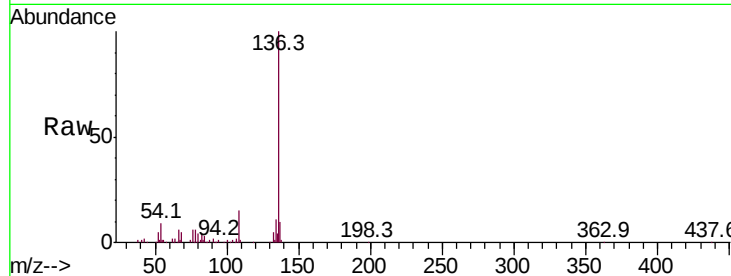
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 9.0 10.3 15.5#

68 5.0 4.5 6.7



#22

Acetophenone

Concen: 1.793 ng

RT: 8.86 min Scan# 948

Delta R.T. 0.01 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Tgt Ion:105 Resp: 7673

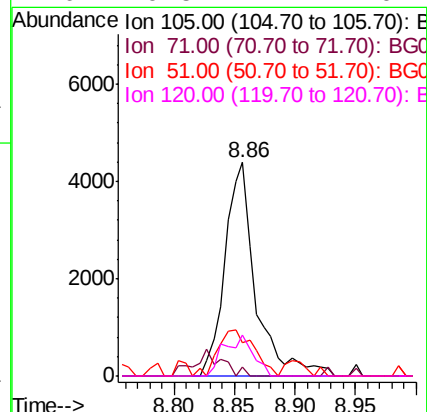
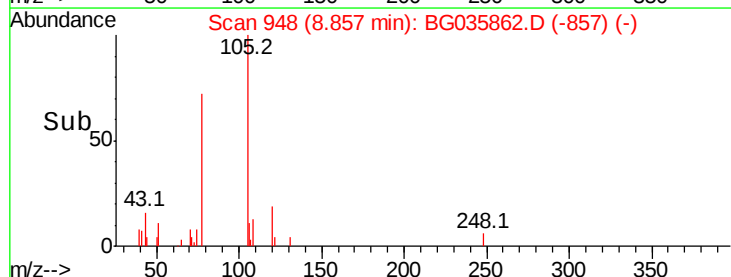
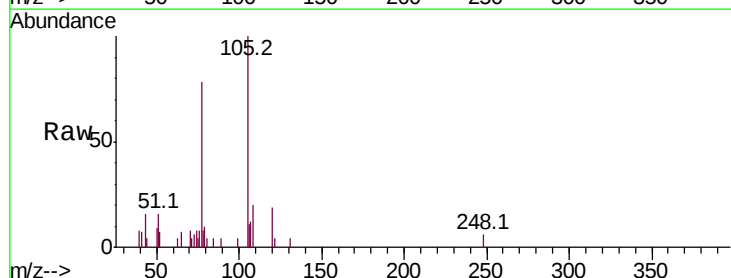
Ion Ratio Lower Upper

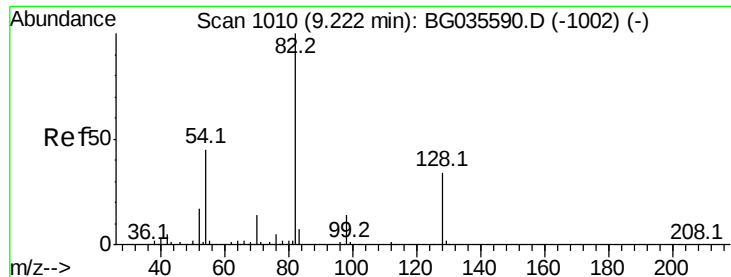
105 100

71 4.2 3.0 4.4

51 15.6 26.1 39.1#

120 19.5 17.4 26.2

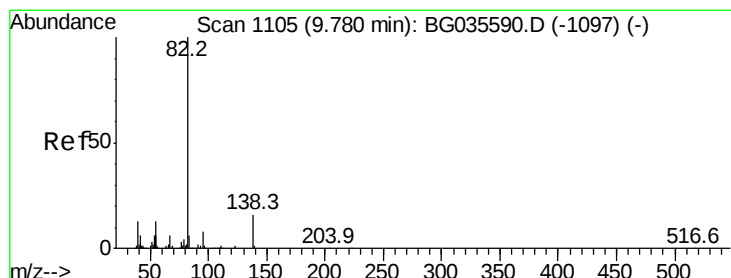
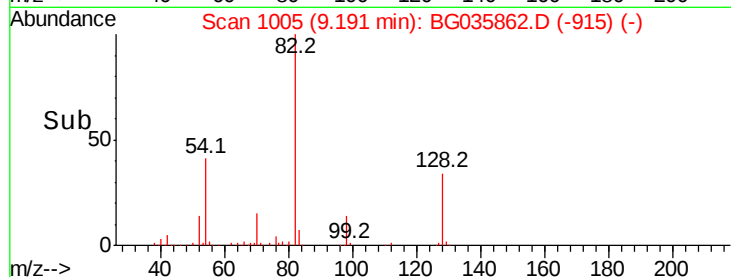
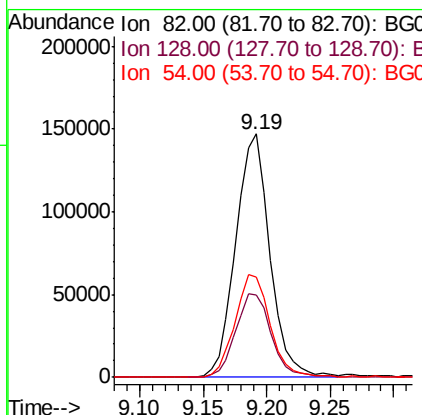
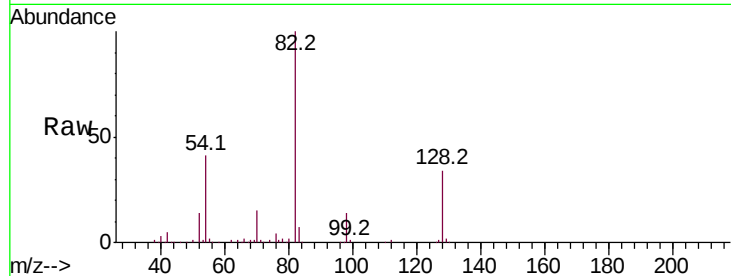




#23
Nitrobenzene-d5
Concen: 83.643 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

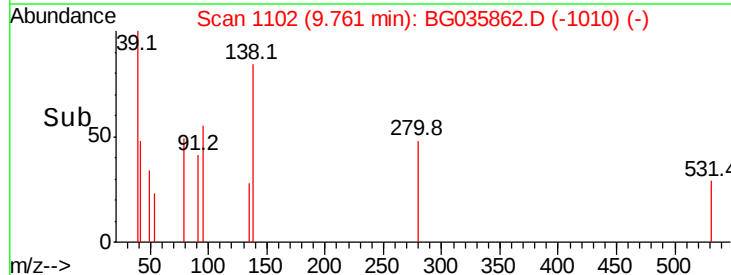
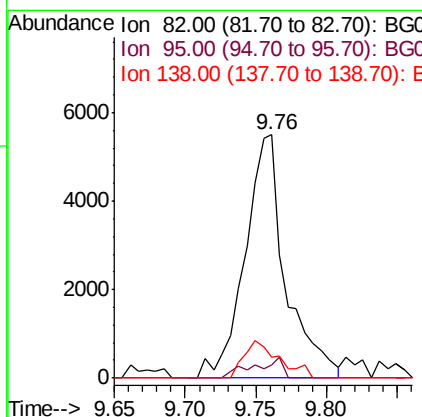
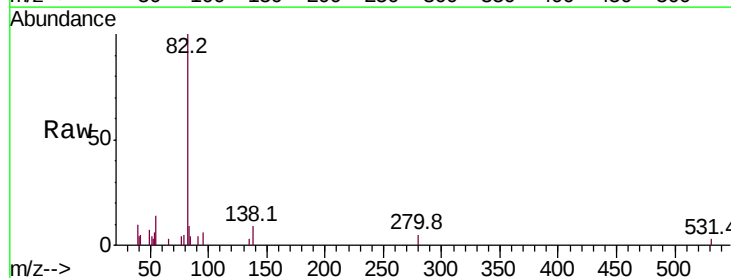
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

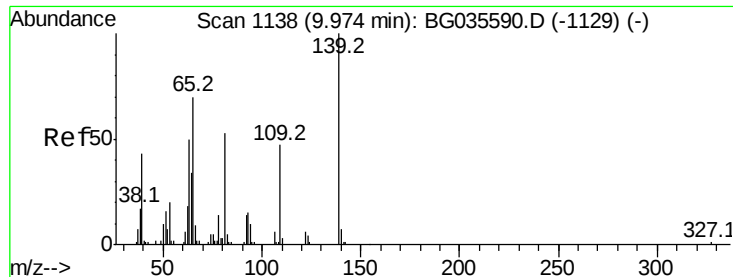
Tot Ion: 82 Resp: 275584
Ion Ratio Lower Upper
82 100
128 33.8 29.7 44.5
54 41.1 43.1 64.7#



#25
Isophorone
Concen: 1.818 ng
RT: 9.76 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion: 82 Resp: 11119
Ion Ratio Lower Upper
82 100
95 5.6 6.2 9.2#
138 8.6 12.1 18.1#

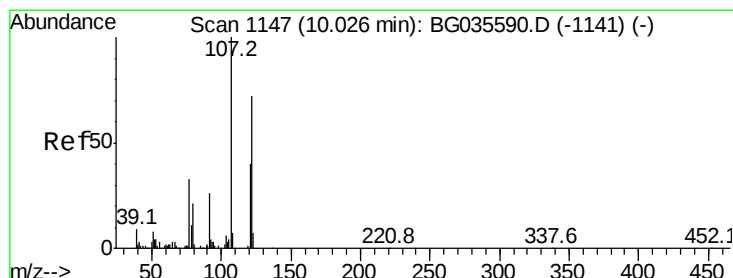
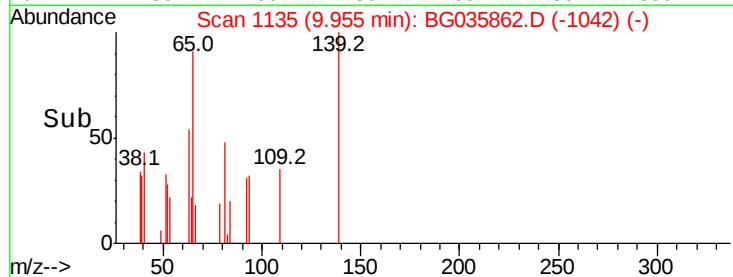
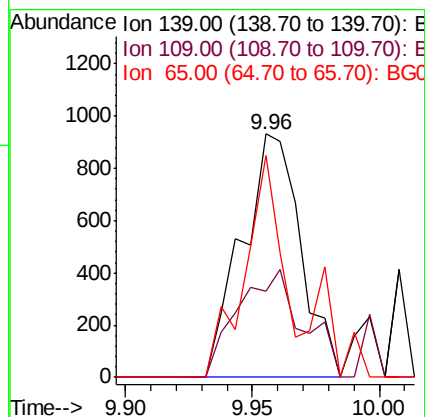
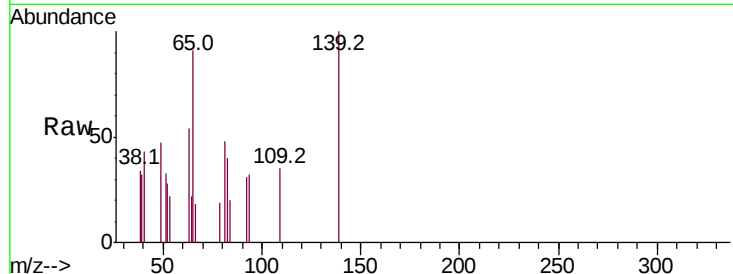




#26
2-Nitrophenol
Concen: 1.275 ng
RT: 9.96 min Scan# 1135
Delta R.T. 0.02 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

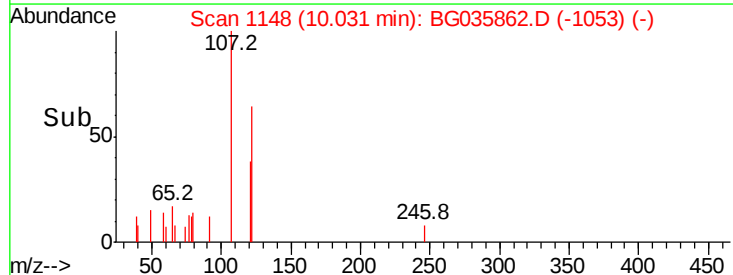
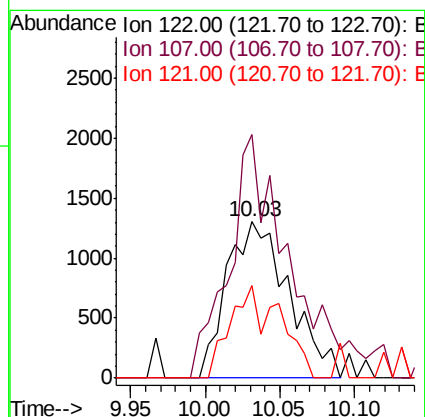
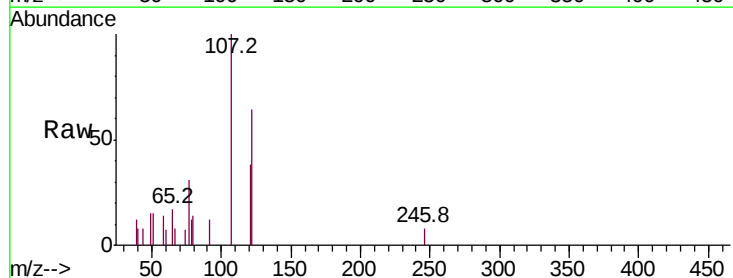
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BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

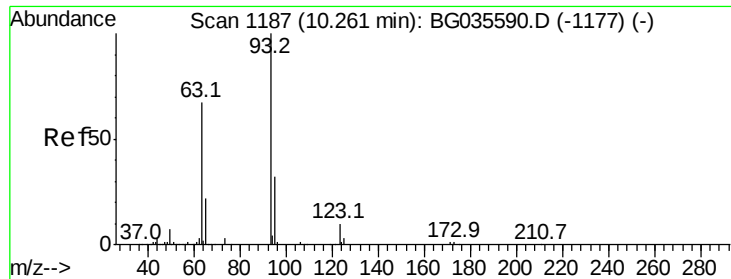
Tot Ion:139 Resp: 1501
Ion Ratio Lower Upper
139 100
109 35.4 24.2 36.2
65 91.1 47.4 71.0#



#27
2,4-Dimethylphenol
Concen: 1.900 ng
RT: 10.03 min Scan# 1148
Delta R.T. 0.03 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion:122 Resp: 3784
Ion Ratio Lower Upper
122 100
107 156.0 100.2 150.2#
121 59.7 44.4 66.6

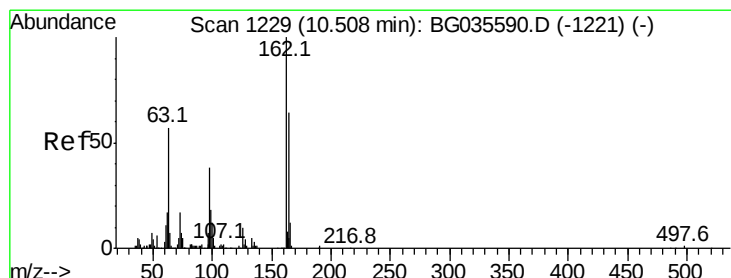
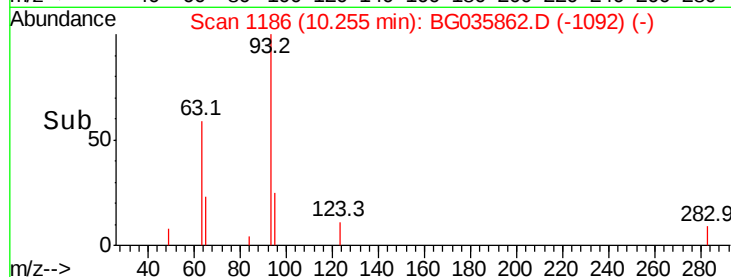
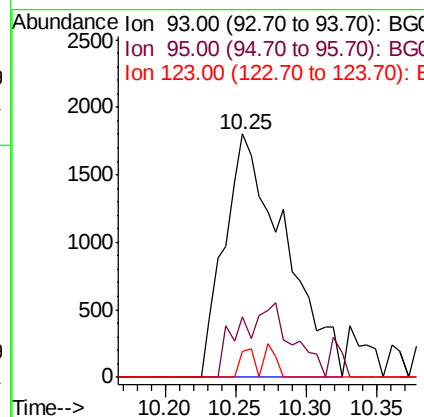
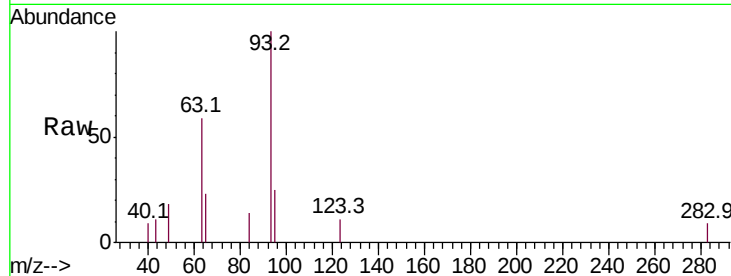




#28
bis(2-Chloroethoxy)methane
Concen: 1.594 ng
RT: 10.25 min Scan# 1186
Delta R.T. 0.02 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

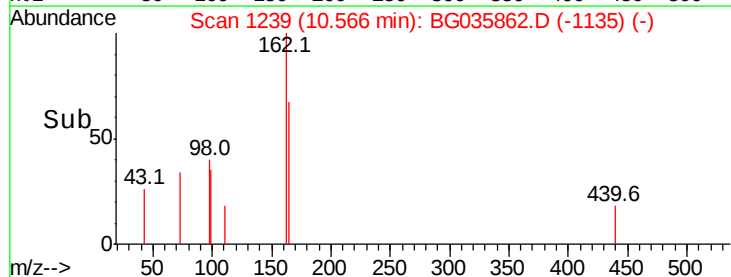
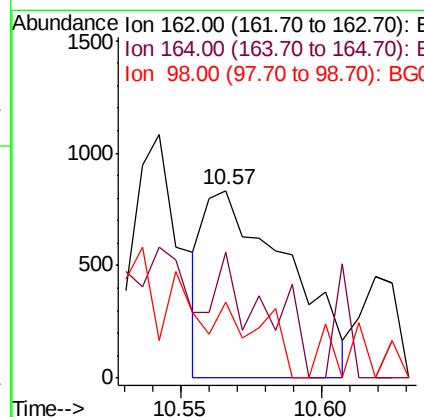
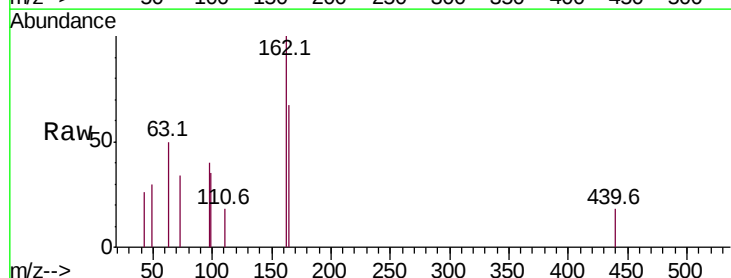
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ClientSampleId :
MDL-WATER-03-QT3-2018

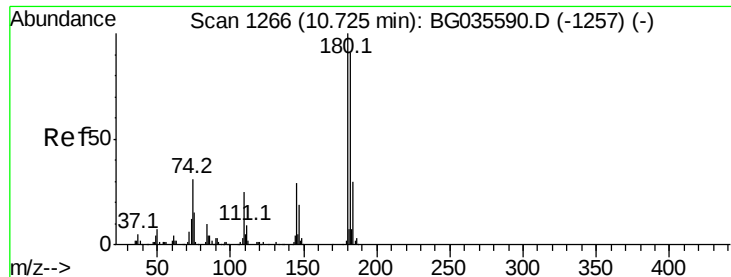
Tot Ion: 93 Resp: 5371
Ion Ratio Lower Upper
93 100
95 24.8 24.3 36.5
123 10.6 8.4 12.6



#29
2,4-Dichlorophenol
Concen: 0.757 ng
RT: 10.57 min Scan# 1239
Delta R.T. 0.08 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion: 162 Resp: 1721
Ion Ratio Lower Upper
162 100
164 67.1 48.0 88.0
98 40.3 21.1 61.1





#30

1,2,4-Trichlorobenzene

Concen: 2.134 ng

RT: 10.69 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

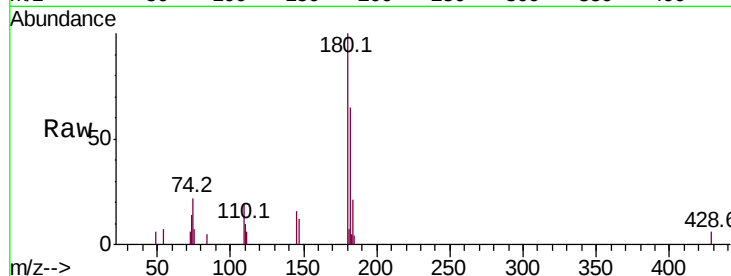
Tot Ion:180 Resp: 5951

Ion Ratio Lower Upper

180 100

182 65.0 77.5 116.3#

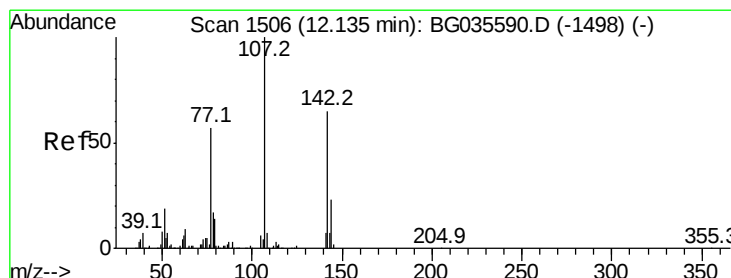
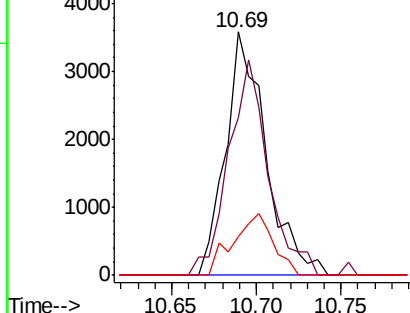
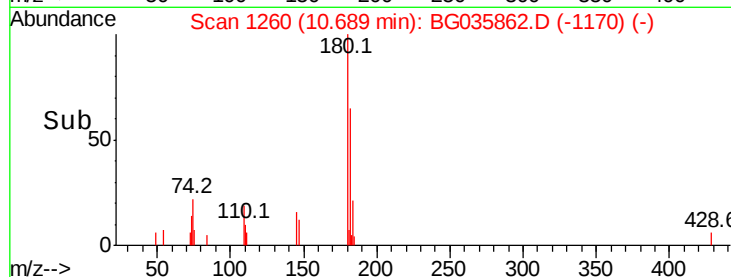
145 15.7 23.4 35.2#



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#36

4-Chloro-3-methylphenol

Concen: 0.889 ng

RT: 12.14 min Scan# 1507

Delta R.T. 0.03 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

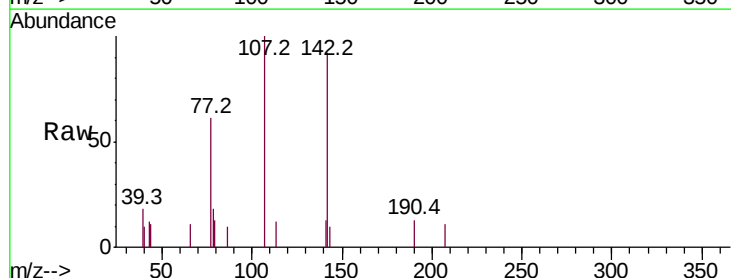
Tgt Ion:107 Resp: 2710

Ion Ratio Lower Upper

107 100

144 0.0 18.2 27.4#

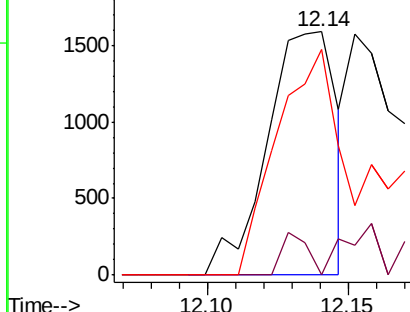
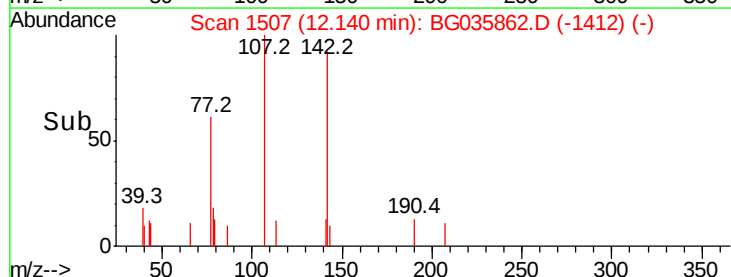
142 92.5 59.0 88.4#

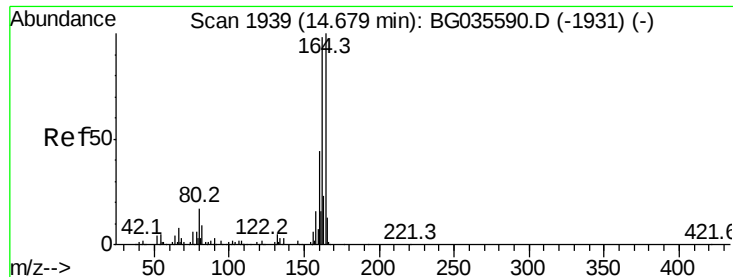


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

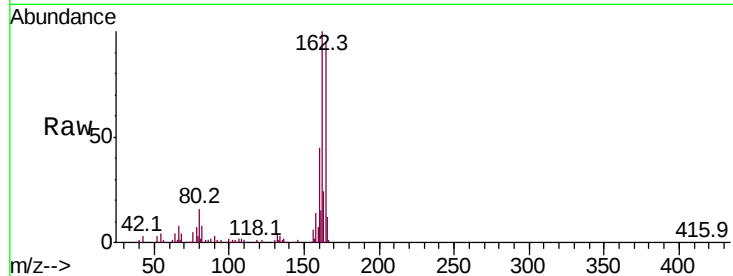
Tot Ion:164 Resp: 96687

Ion Ratio Lower Upper

164 100

162 105.8 78.8 118.2

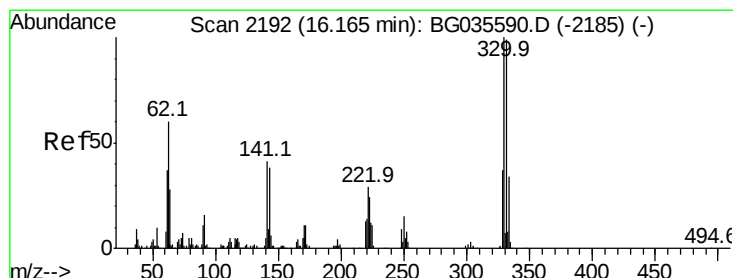
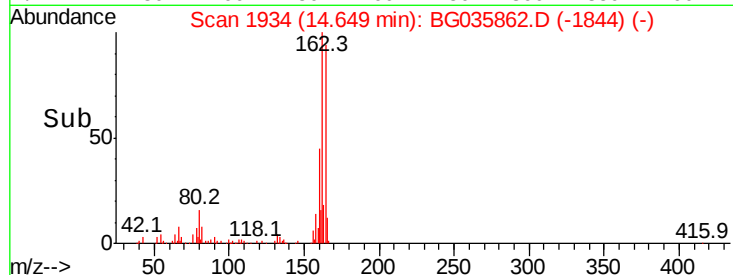
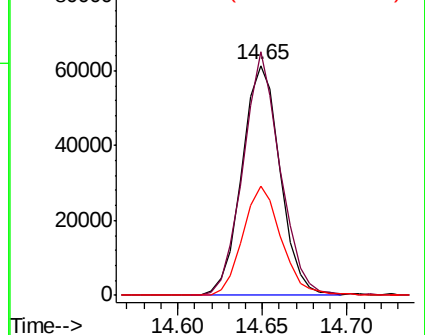
160 47.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 131.868 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

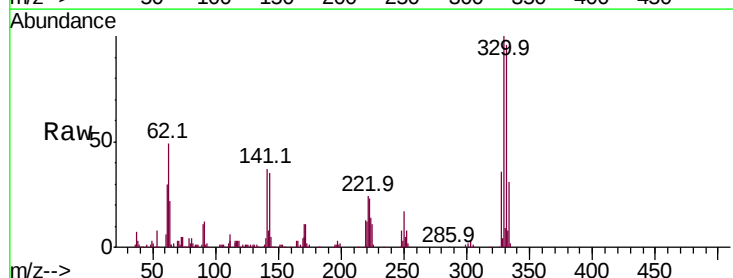
Tgt Ion:330 Resp: 168052

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

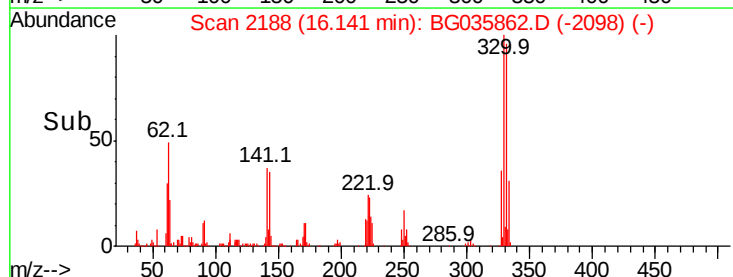
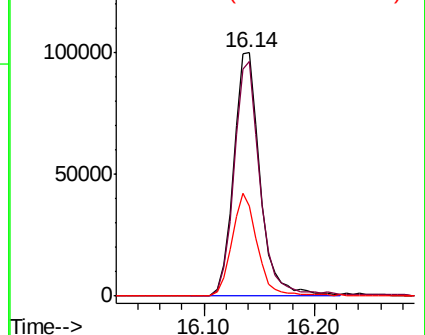
141 40.9 25.2 37.8#

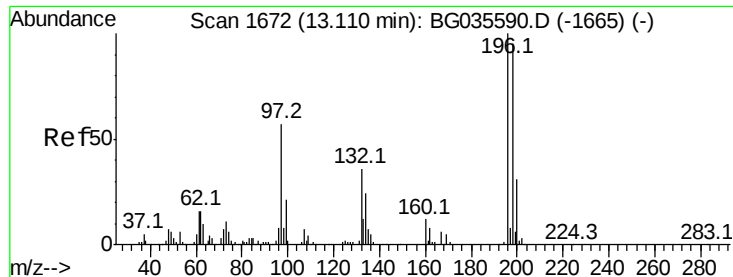


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

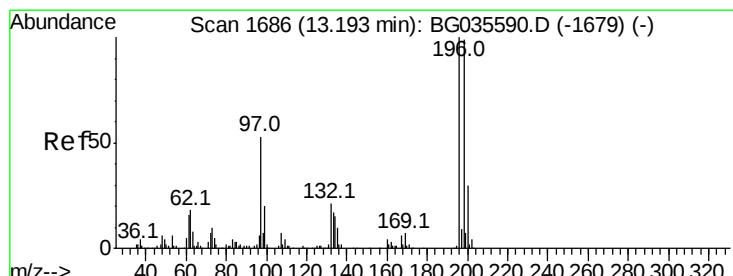
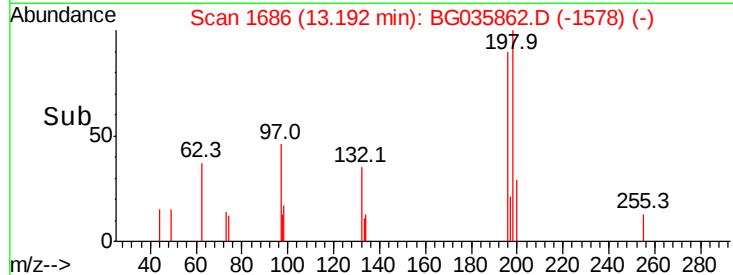
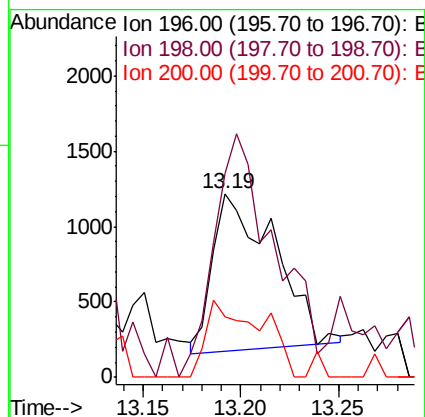
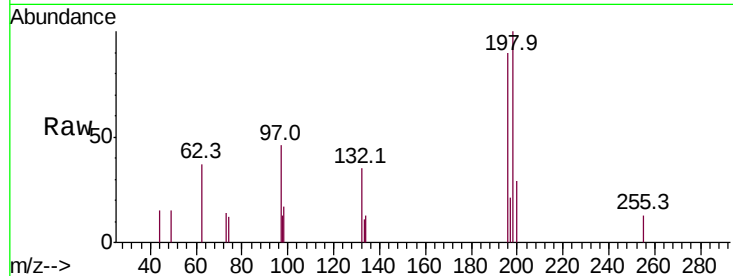




#42
 2,4,6-Trichlorophenol
 Concen: 1.067 ng
 RT: 13.19 min Scan# 1686
 Delta R.T. 0.11 min
 Lab File: BG035862.D
 Acq: 25 Jul 2018 1:09

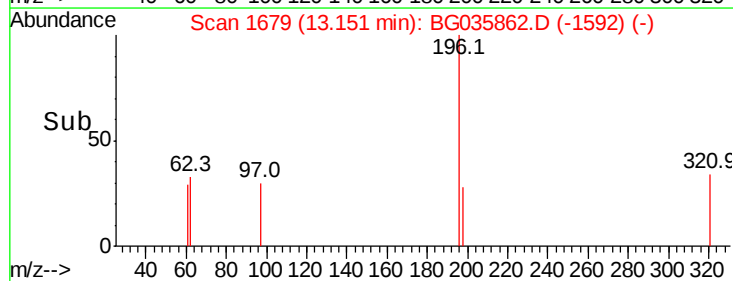
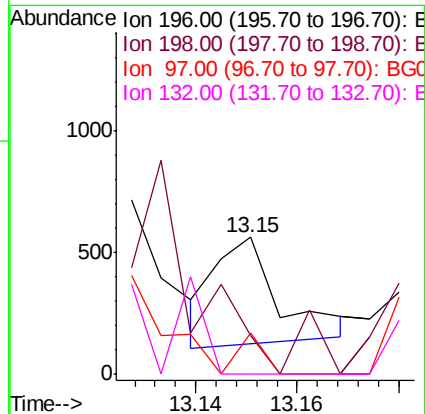
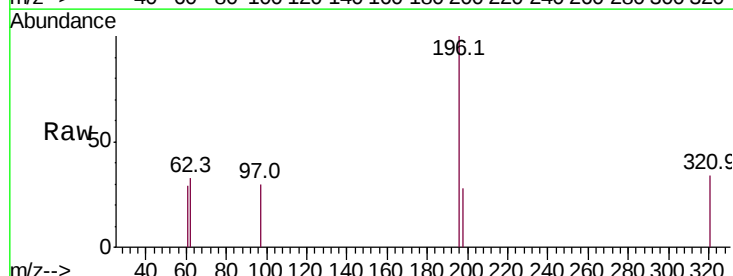
Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT3-2018

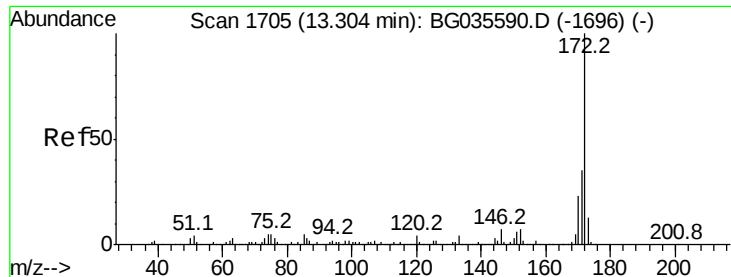
Tot Ion:196	Resp:	2278	
Ion Ratio	Lower	Upper	
196	100		
198	111.3	78.2	117.2
200	32.7	24.6	36.8



#43
 2,4,5-Trichlorophenol
 Concen: 0.165 ng
 RT: 13.15 min Scan# 1679
 Delta R.T. -0.02 min
 Lab File: BG035862.D
 Acq: 25 Jul 2018 1:09

Tgt	Ion:196	Resp:	395
Ion	Ratio	Lower	Upper
196	100		
198	27.9	76.2	114.4#
97	30.2	38.7	58.1#
132	0.0	20.2	30.2#

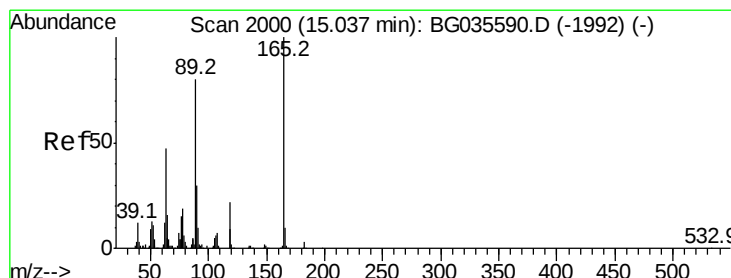
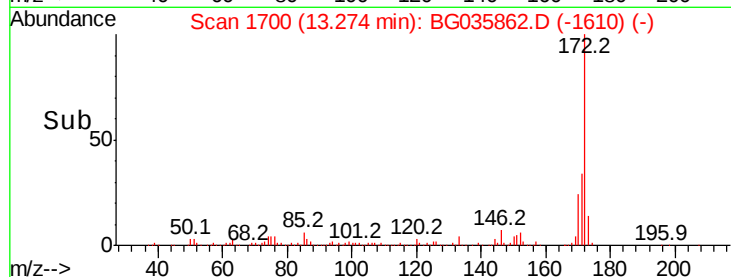
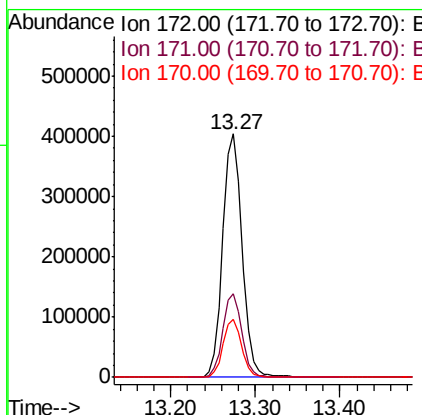
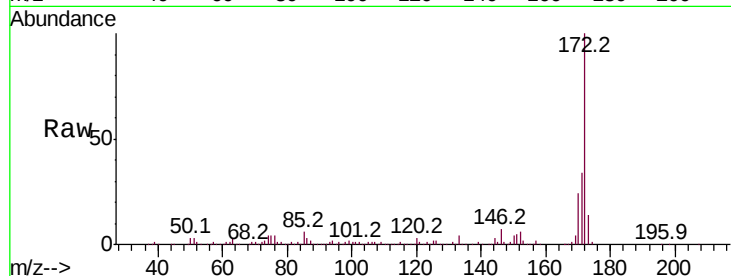




#44
2-Fluorobiphenyl
Concen: 89.430 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

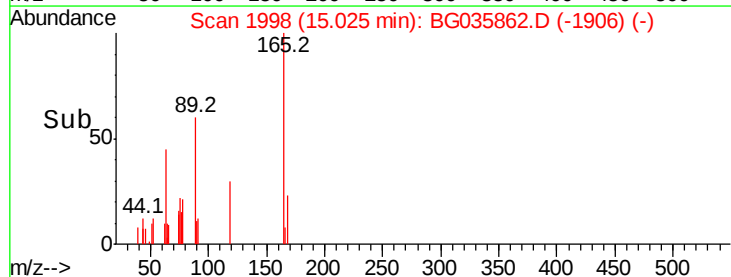
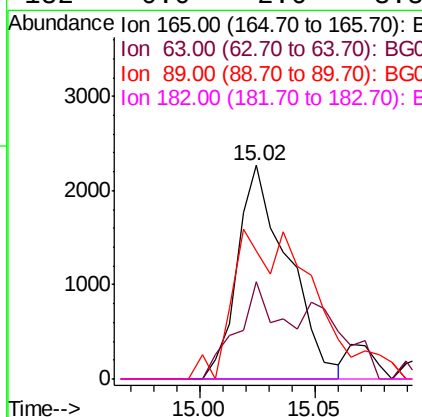
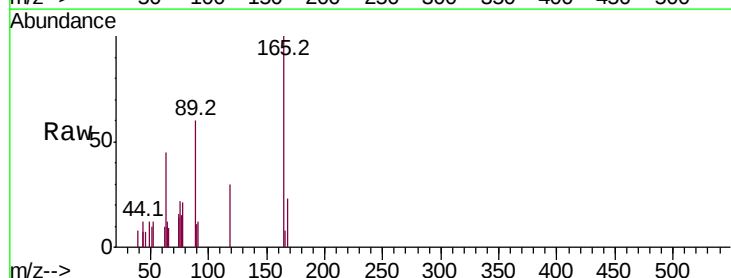
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

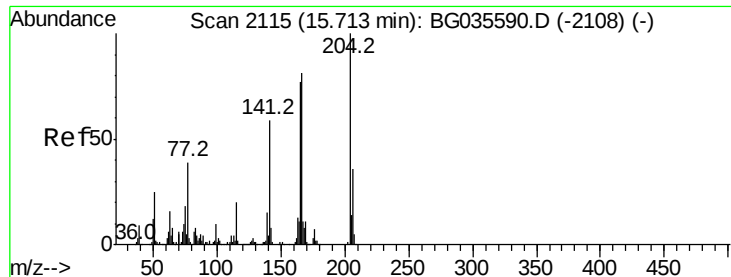
Tot Ion:172 Resp: 645405
Ion Ratio Lower Upper
172 100
171 34.4 30.0 45.0
170 23.8 19.5 29.3



#56
2,4-Dinitrotoluene
Concen: 1.398 ng
RT: 15.02 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion:165 Resp: 3460
Ion Ratio Lower Upper
165 100
63 45.4 42.0 63.0
89 60.2 66.9 100.3#
182 0.0 2.6 3.8#

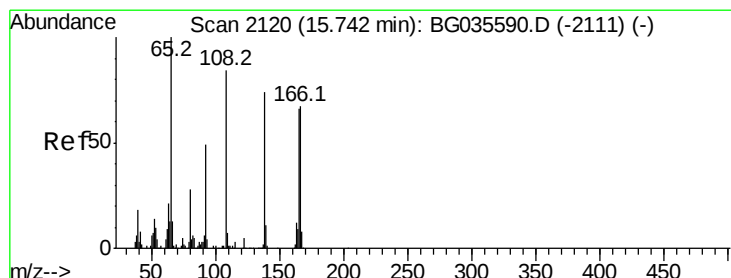
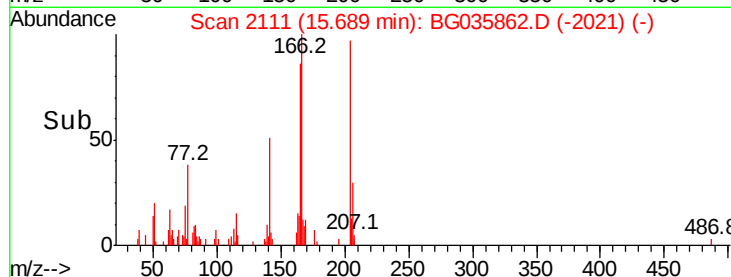
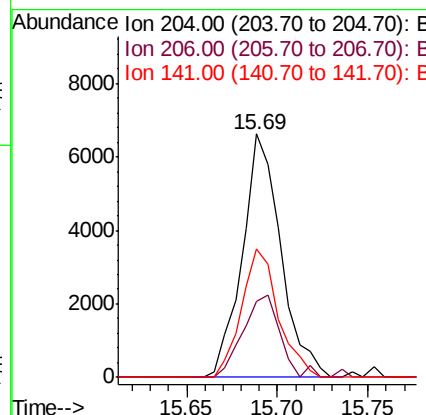
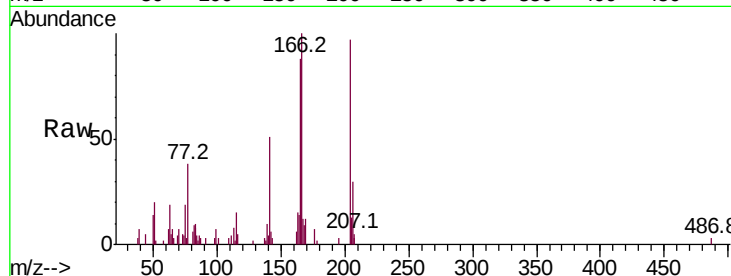




#60
4-Chlorophenyl-phenylether
Concen: 2.047 ng
RT: 15.69 min Scan# 2111
Delta R.T. -0.00 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

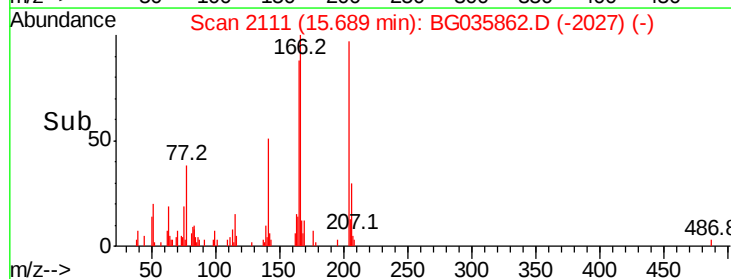
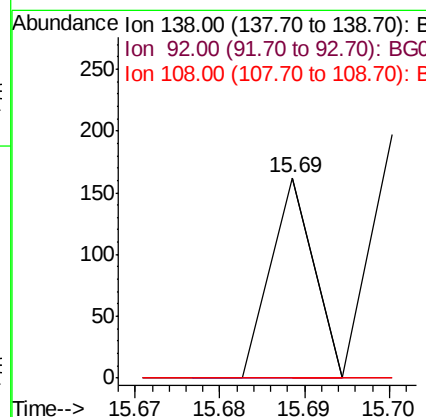
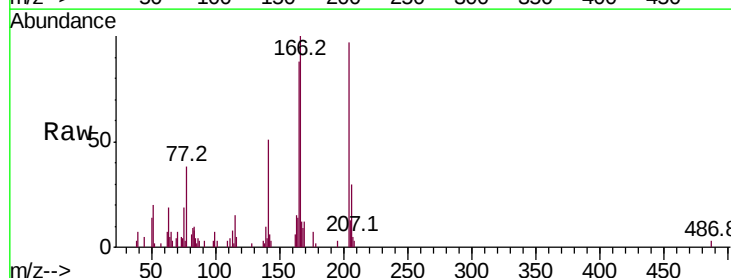
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

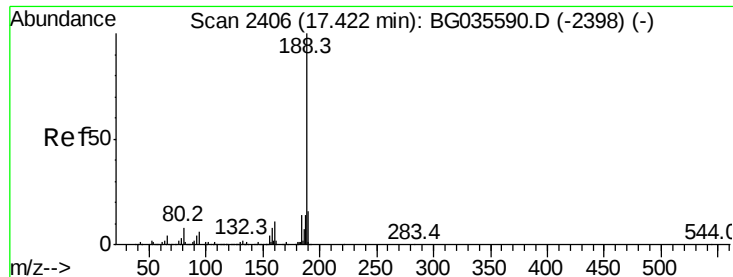
Tot Ion:204 Resp: 9758
Ion Ratio Lower Upper
204 100
206 31.4 26.2 39.2
141 52.7 45.8 68.6



#61
4-Nitroaniline
Concen: 0.031 ng
RT: 15.69 min Scan# 2111
Delta R.T. -0.04 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

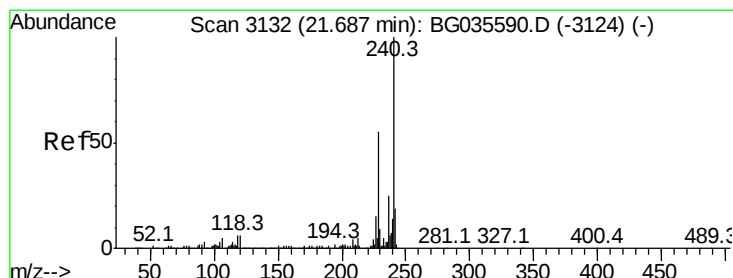
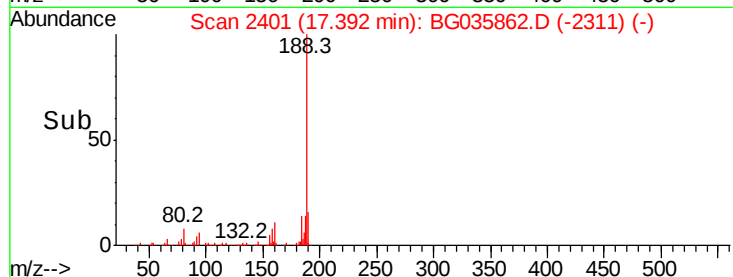
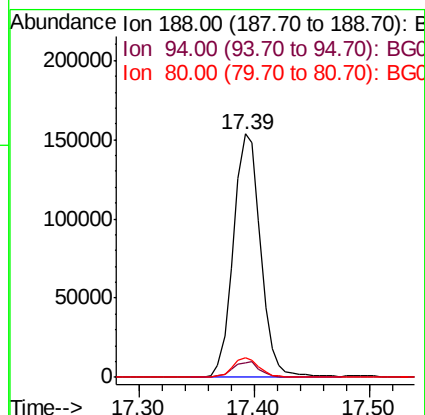
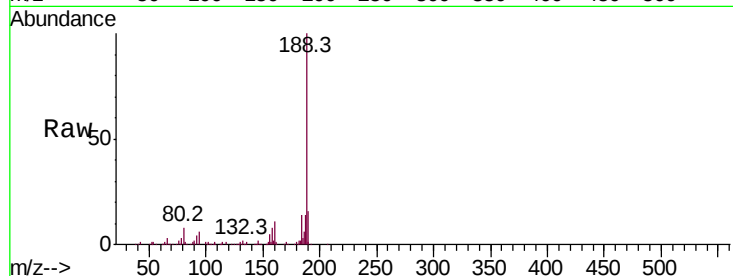




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

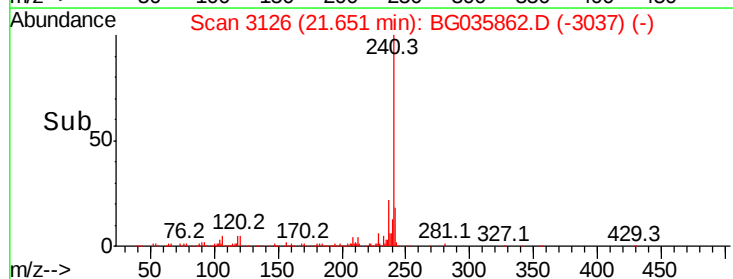
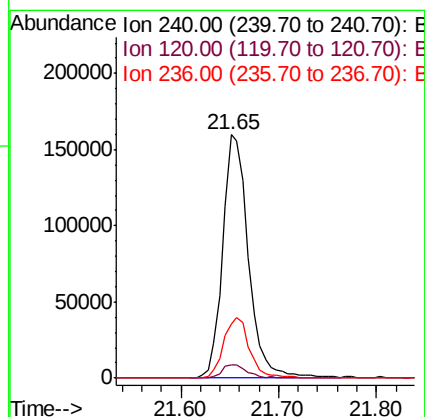
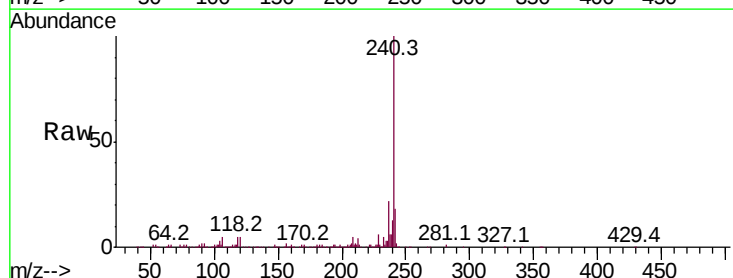
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

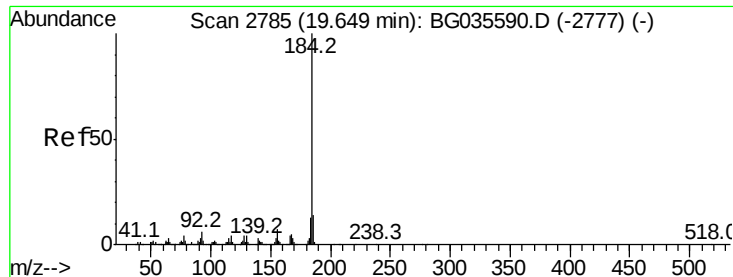
Tot Ion:188 Resp: 251960
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.3 7.7 11.5



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG035862.D
Acq: 25 Jul 2018 1:09

Tgt Ion:240 Resp: 292593
Ion Ratio Lower Upper
240 100
120 5.3 6.8 10.2#
236 22.3 20.9 31.3





#76

Benzidine

Concen: 0.331 ng

RT: 19.68 min Scan# 2790

Delta R.T. 0.05 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

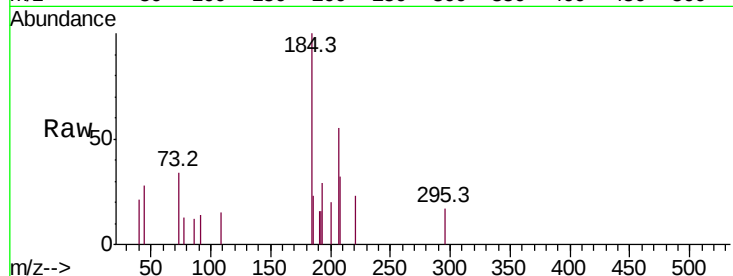
Tot Ion:184 Resp: 2546

Ion Ratio Lower Upper

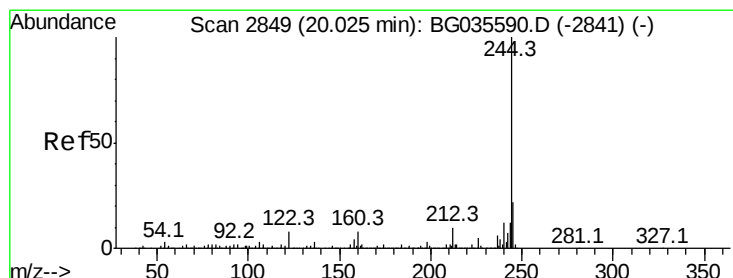
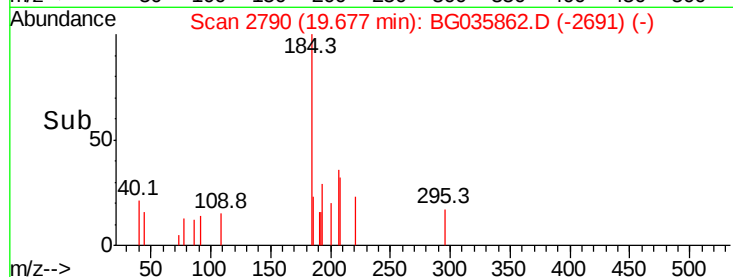
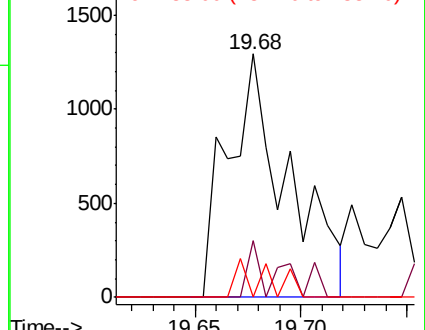
184 100

185 23.4 11.1 16.7#

183 0.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 103.894 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035862.D

Acq: 25 Jul 2018 1:09

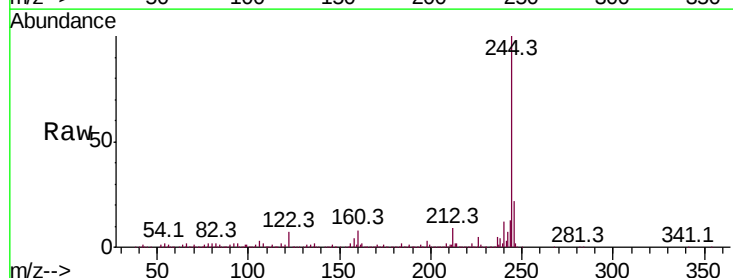
Tgt Ion:244 Resp: 1379067

Ion Ratio Lower Upper

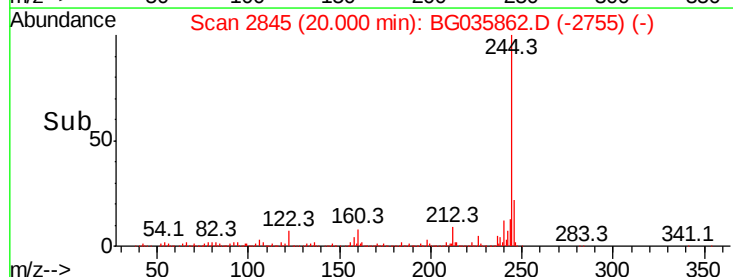
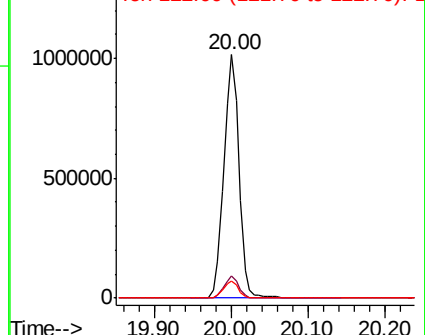
244 100

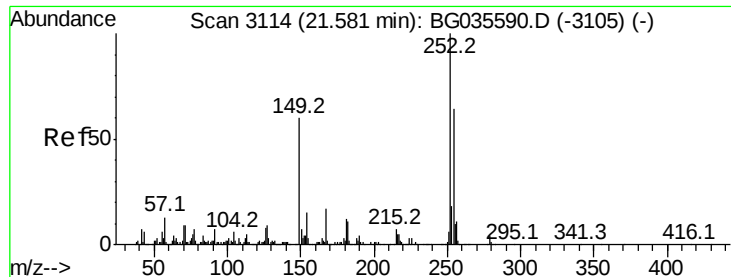
212 9.2 5.8 8.8#

122 7.1 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

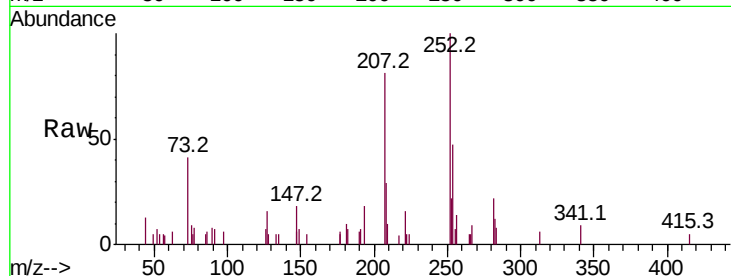




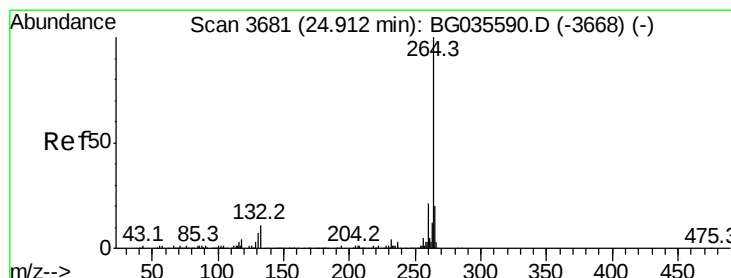
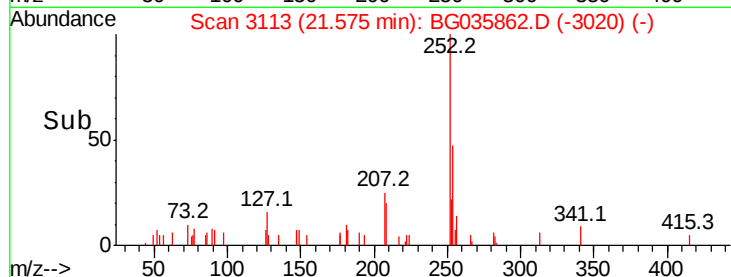
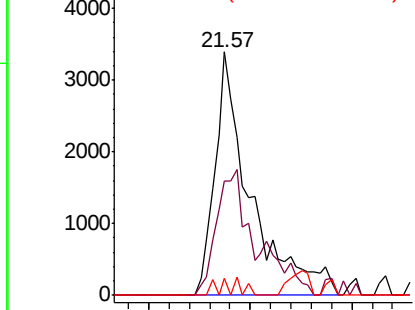
#81
 3,3'-Dichlorobenzidine
 Concen: 1.298 ng
 RT: 21.57 min Scan# 3113
 Delta R.T. 0.02 min
 Lab File: BG035862.D
 Acq: 25 Jul 2018 1:09

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

Tot Ion:252 Resp: 8251
 Ion Ratio Lower Upper
 252 100
 254 46.8 50.8 76.2#
 126 7.0 7.4 11.2#

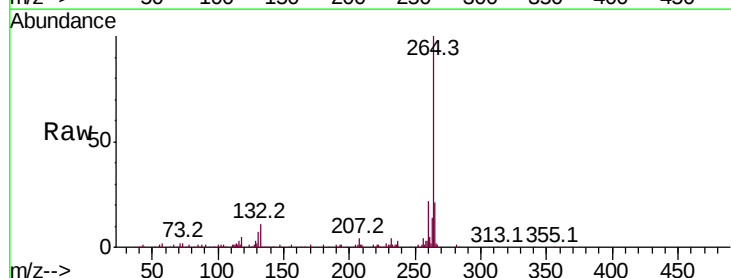


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3671
 Delta R.T. -0.01 min
 Lab File: BG035862.D
 Acq: 25 Jul 2018 1:09

Tgt Ion:264 Resp: 258990
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.4 26.0
 265 20.7 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

