

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035861.D
 Acq On : 25 Jul 2018 00:30
 Operator : JU/SJ
 Sample : J3762-09
 Misc : MDL 1PPM
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 25 03:50:27 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	32100	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	115741	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	81455	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	229874	20.00	ng	0.00
75) Chrysene-d12	21.65	240	305260	20.00	ng	0.00
86) Perylene-d12	24.86	264	261573	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	238795	123.51	ng	0.00
7) Phenol-d6	7.19	99	337047	116.84	ng	0.00
23) Nitrobenzene-d5	9.19	82	231524	83.56	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	142258	132.50	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	561275	92.32	ng	0.00
78) Terphenyl-d14	20.00	244	1350086	97.49	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.36	93	1946	0.520	ng	# 84
8) 2-Chlorophenol	7.59	128	2494	1.268	ng	79
9) Benzaldehyde	7.18	77	2233	1.262	ng	93
10) Phenol	7.23	94	2422	0.831	ng	# 40
11) bis(2-Chloroethyl)ether	7.45	93	1893	0.829	ng	93
12) 1,3-Dichlorobenzene	7.92	146	2160	0.910	ng	# 77
13) 1,4-Dichlorobenzene	8.06	146	2123	0.880	ng	# 66
14) 1,2-Dichlorobenzene	8.38	146	2541	1.096	ng	# 68
15) Benzyl Alcohol	8.27	79	314	0.120	ng	# 63
16) 2,2'-oxybis(1-Chloropropan	8.56	45	2339	1.222	ng	67
18) Hexachloroethane	9.11	117	965	1.046	ng	# 83
24) Nitrobenzene	9.22	77	2834	1.017	ng	# 88
31) Naphthalene	10.88	128	5779	0.959	ng	# 82
34) Hexachlorobutadiene	11.16	225	2080	1.138	ng	# 88
37) 2-Methylnaphthalene	12.50	142	4068	0.906	ng	# 86
39) 1,2,4,5-Tetrachlorobenzene	12.85	216	3182	1.035	ng	98
45) 1,1'-Biphenyl	13.49	154	6775	1.073	ng	97
46) 2-Chloronaphthalene	13.53	162	5295	1.078	ng	98
48) Acenaphthylene	14.38	152	7507	0.912	ng	# 92
49) Dimethylphthalate	14.12	163	6201	0.869	ng	# 93
50) 2,6-Dinitrotoluene	14.23	165	1033	0.711	ng	# 48
51) Acenaphthene	14.72	154	5024	0.980	ng	85
54) Dibenzofuran	15.06	168	7999	0.981	ng	# 79
57) Fluorene	15.70	166	6783	0.993	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.29	232	902	0.468	ng	# 47
59) Diethylphthalate	15.46	149	6371	0.868	ng	98
62) Azobenzene	15.97	77	6464	0.893	ng	93
65) n-Nitrosodiphenylamine	15.91	169	5196	0.794	ng	98
66) 4-Bromophenyl-phenylether	16.58	248	1962	0.736	ng	89
67) Hexachlorobenzene	16.70	284	2597	0.946	ng	94
68) Atrazine	16.87	200	1820	0.676	ng	90
70) Phenanthrene	17.54	178	11370	0.991	ng	97
71) Anthracene	17.54	178	11370	0.996	ng	97
72) Carbazole	17.83	167	8241	0.760	ng	# 87

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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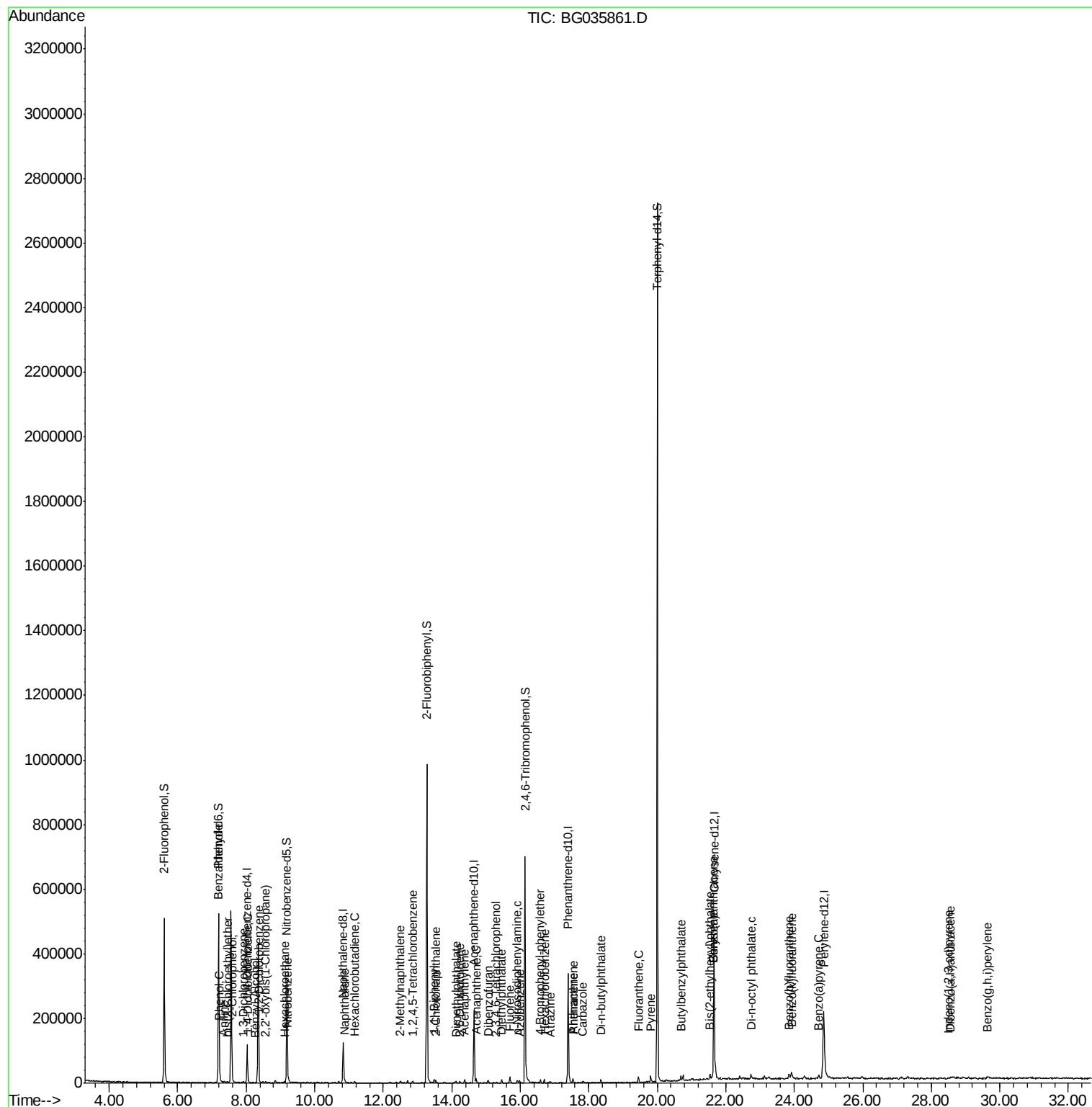
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Di-n-butylphthalate	18.36	149	9575	0.747	nq	# 91
74) Fluoranthene	19.45	202	15874	1.027	nq	98
77) Pyrene	19.81	202	17121	0.887	nq	96
79) Butylbenzylphthalate	20.68	149	5040	0.730	nq	# 94
80) Benzo(a)anthracene	21.64	228	16495	0.867	nq	95
82) Chrysene	21.64	228	16495	0.936	nq	90
83) Bis(2-ethylhexyl)phthalate	21.54	149	7642	0.814	nq	# 81
84) Di-n-octyl phthalate	22.74	149	12117	0.771	nq	# 95
85) Indeno(1,2,3-cd)pyrene	28.51	276	2865	0.147	nq	# 73
87) Benzo(b)fluoranthene	23.85	252	14968	0.941	nq	# 93
88) Benzo(k)fluoranthene	23.92	252	16090	1.035	nq	# 79
89) Benzo(a)pyrene	24.71	252	13791	0.932	nq	95
90) Dibenzo(a,h)anthracene	28.57	278	533	0.037	nq	# 45
91) Benzo(q,h,i)perylene	29.65	276	4831	0.340	nq	# 92

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

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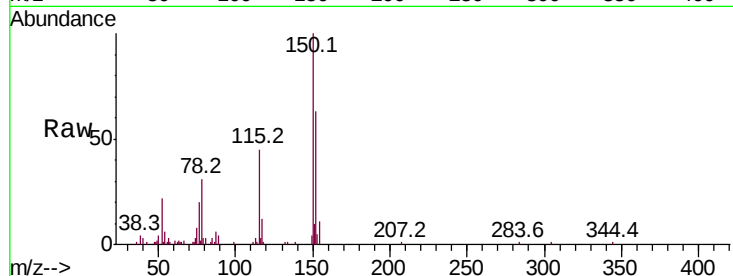


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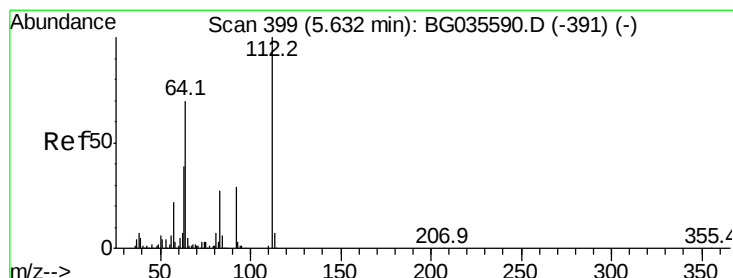
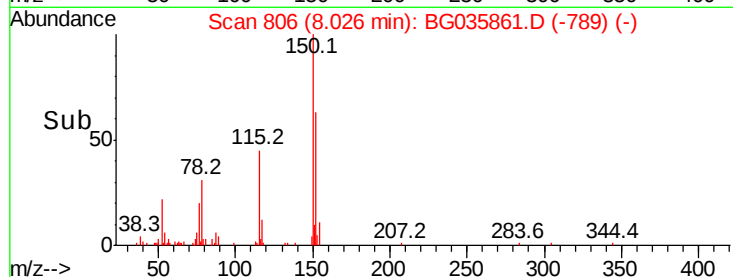
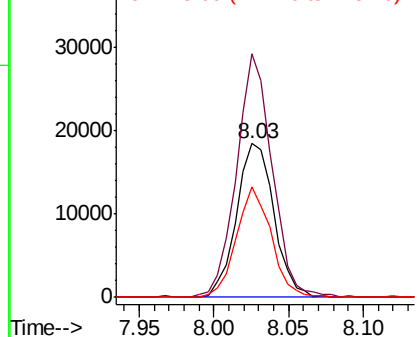
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

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

Tot Ion:152 Resp: 32100
Ion Ratio Lower Upper
152 100
150 158.1 126.6 189.8
115 71.5 53.0 79.4



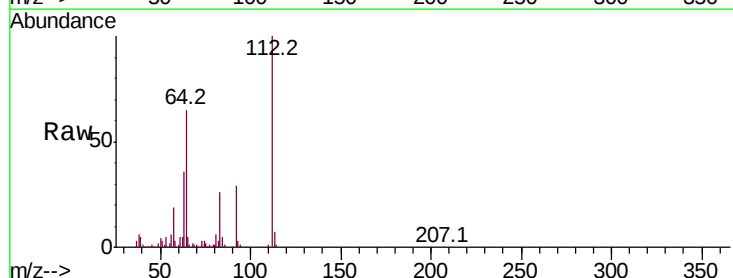
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



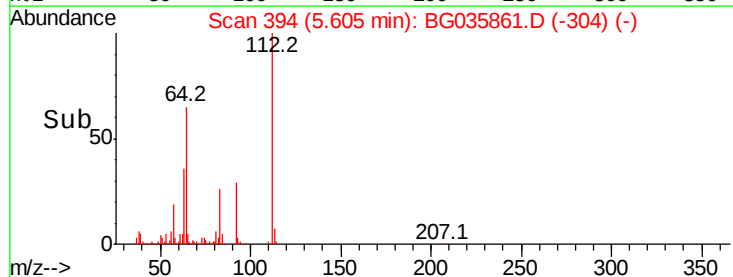
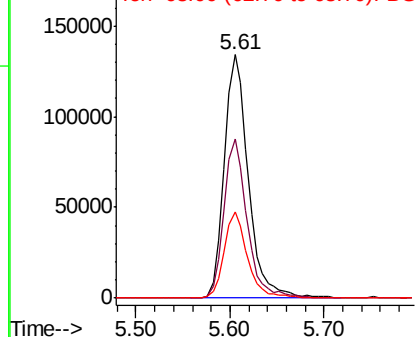
#5

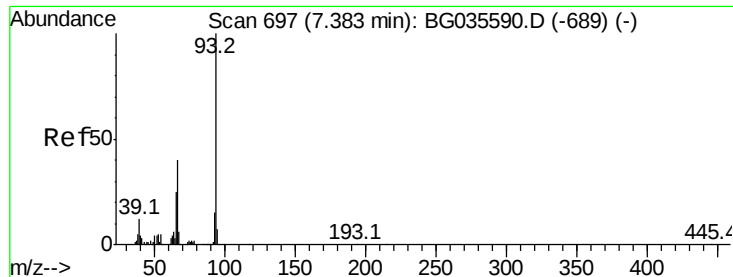
2-Fluorophenol
Concen: 123.506 ng
RT: 5.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion:112 Resp: 238795
Ion Ratio Lower Upper
112 100
64 65.2 56.3 84.5
63 35.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 0.520 ng

RT: 7.36 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

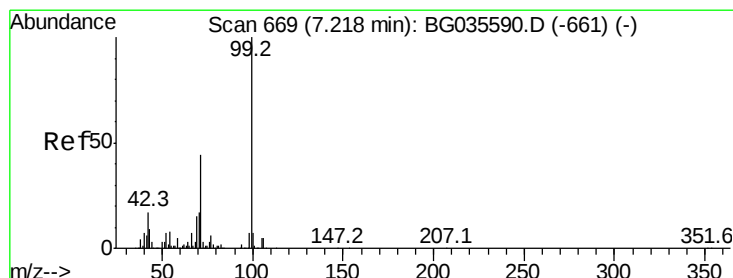
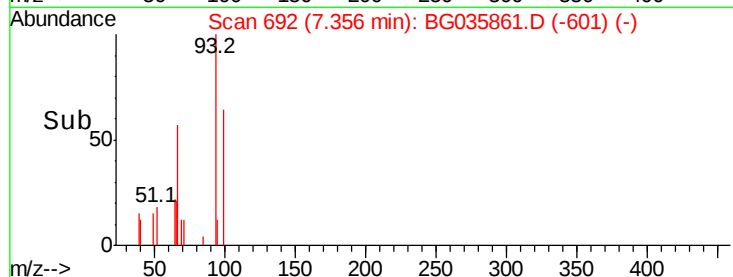
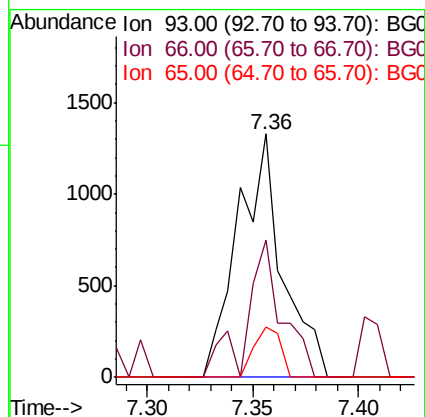
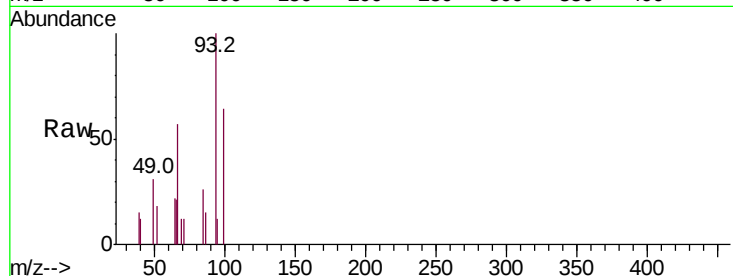
Tot Ion: 93 Resp: 1946

Ion Ratio Lower Upper

93 100

66 56.6 33.7 50.5#

65 20.9 16.1 24.1



#7

Phenol-d6

Concen: 116.839 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

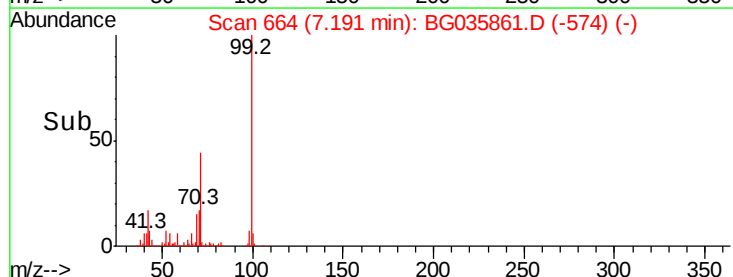
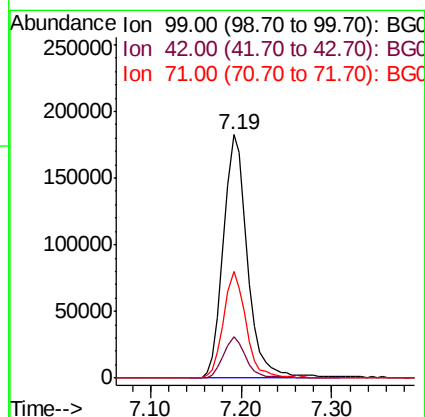
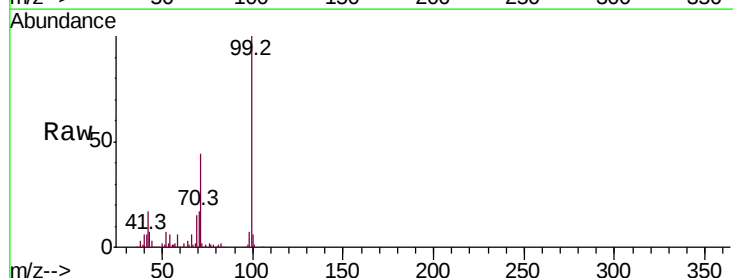
Tgt Ion: 99 Resp: 337047

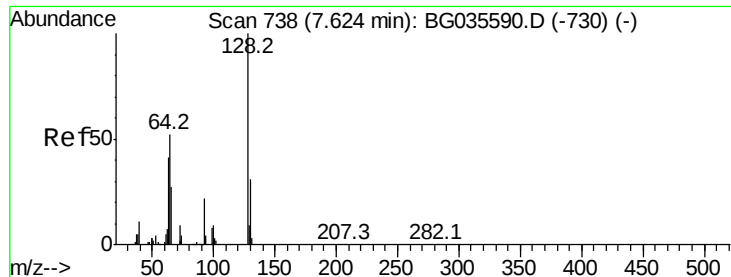
Ion Ratio Lower Upper

99 100

42 16.9 14.1 21.1

71 43.7 26.1 39.1#





#8

2-Chlorophenol

Concen: 1.268 ng

RT: 7.59 min Scan# 732

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

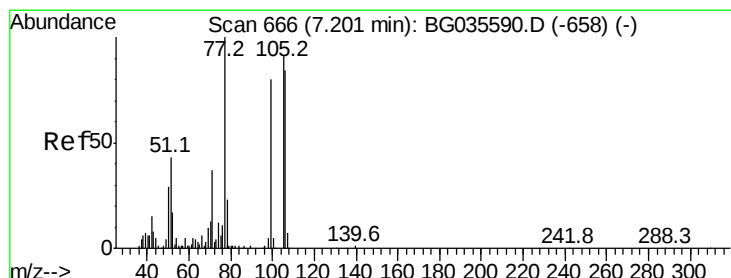
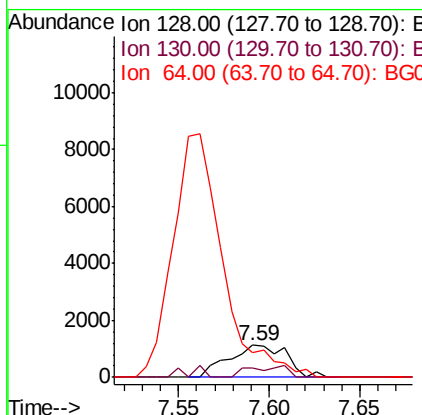
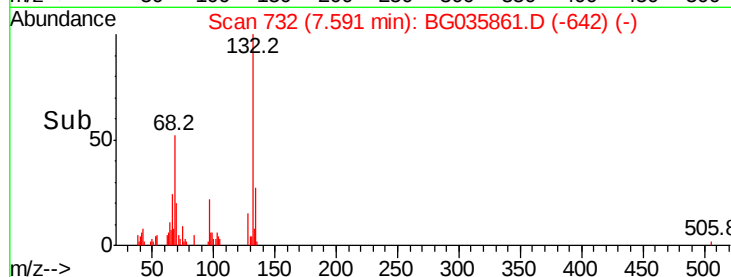
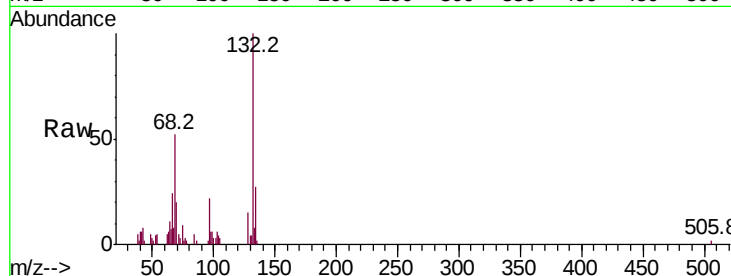
Tot Ion:128 Resp: 2494

Ion Ratio Lower Upper

128 100

130 28.0 14.0 54.0

64 77.6 37.7 77.7



#9

Benzaldehyde

Concen: 1.262 ng

RT: 7.18 min Scan# 662

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

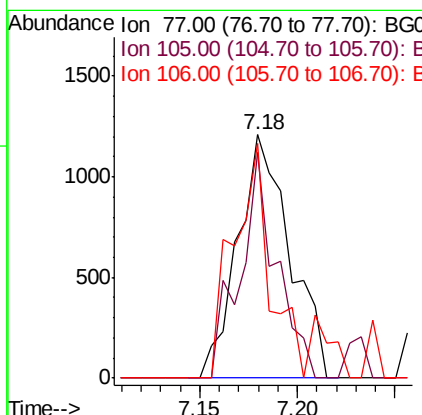
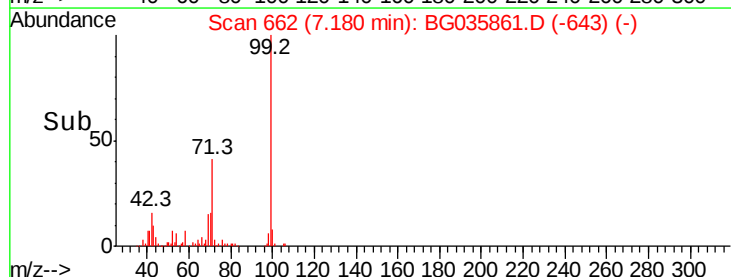
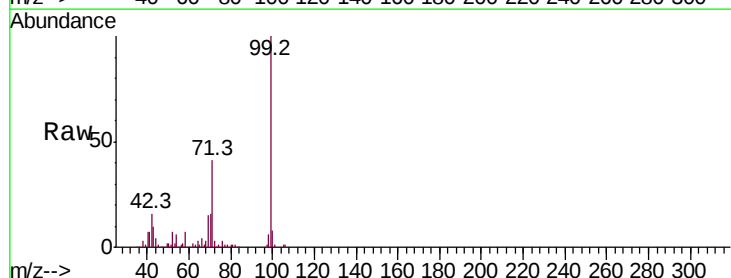
Tgt Ion: 77 Resp: 2233

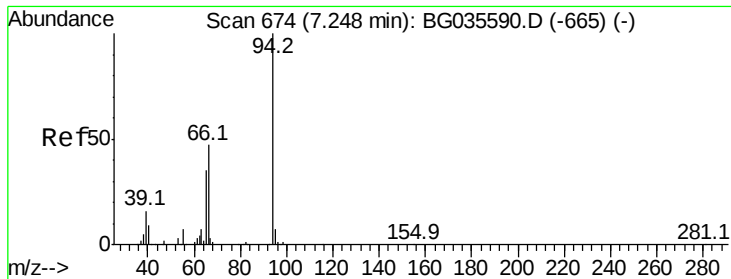
Ion Ratio Lower Upper

77 100

105 92.6 71.3 111.3

106 96.4 64.2 104.2





#10

Phenol

Concen: 0.831 ng

RT: 7.23 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

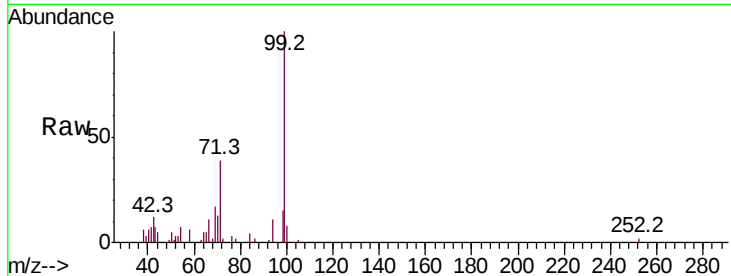
Tot Ion: 94 Resp: 2422

Ion Ratio Lower Upper

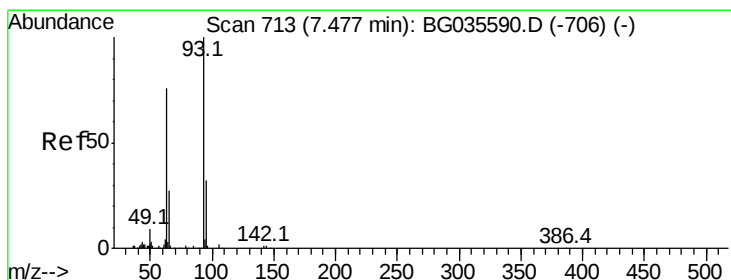
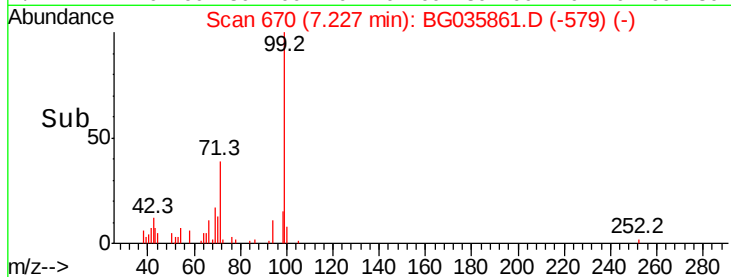
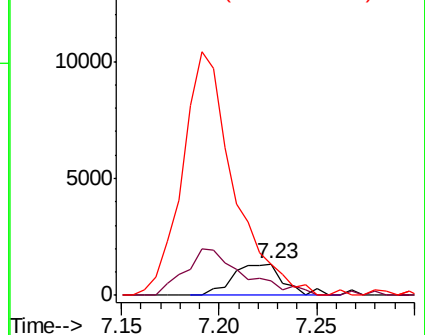
94 100

65 44.5 11.9 51.9

66 98.2 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 0.829 ng

RT: 7.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

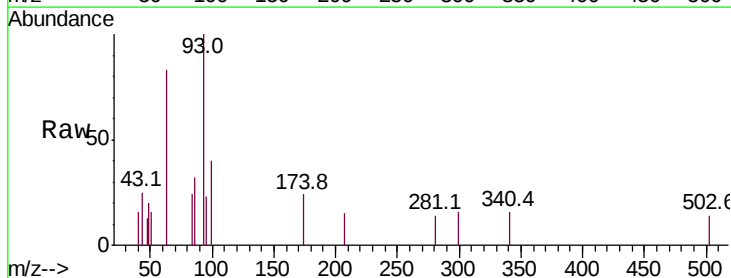
Tgt Ion: 93 Resp: 1893

Ion Ratio Lower Upper

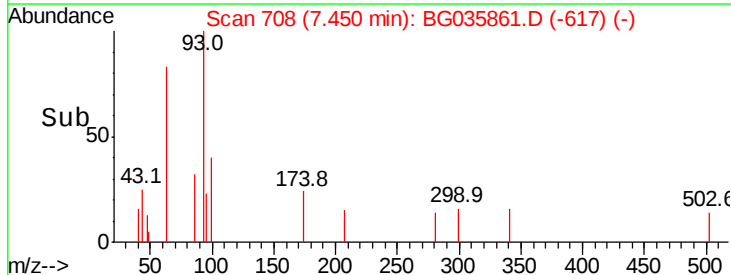
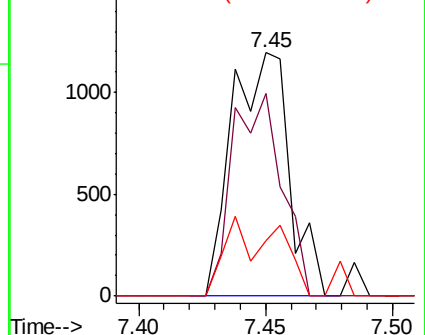
93 100

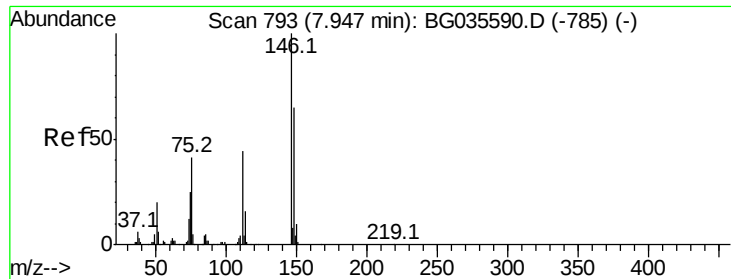
63 83.1 67.1 107.1

95 22.7 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#12

1,3-Dichlorobenzene

Concen: 0.910 ng

RT: 7.92 min Scan# 788

Delta R.T. 0.00 min

Lab File: BG035861.D

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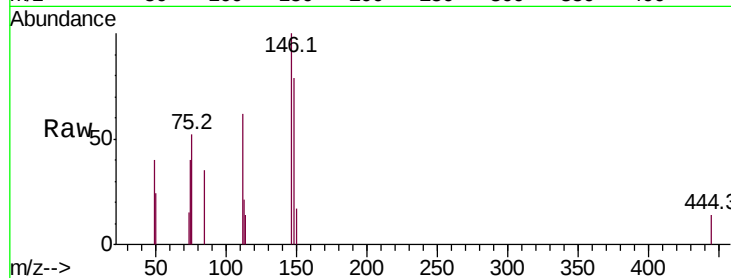
Tot Ion:146 Resp: 2160

Ion Ratio Lower Upper

146 100

148 78.6 51.4 77.2#

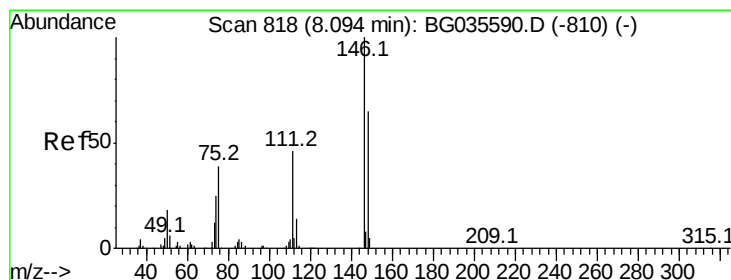
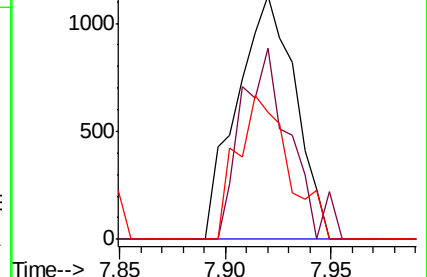
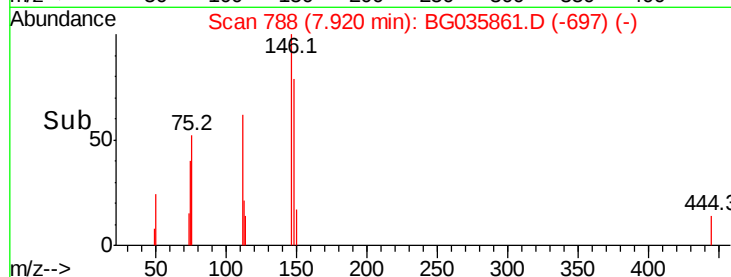
75 52.3 26.6 39.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 0.880 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

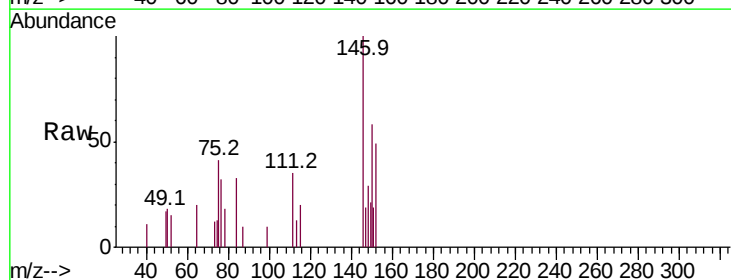
Tgt Ion:146 Resp: 2123

Ion Ratio Lower Upper

146 100

148 28.9 53.7 80.5#

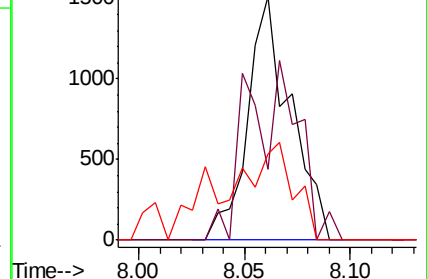
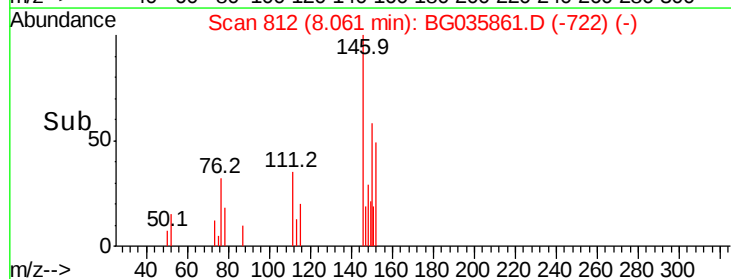
111 35.2 35.2 52.8

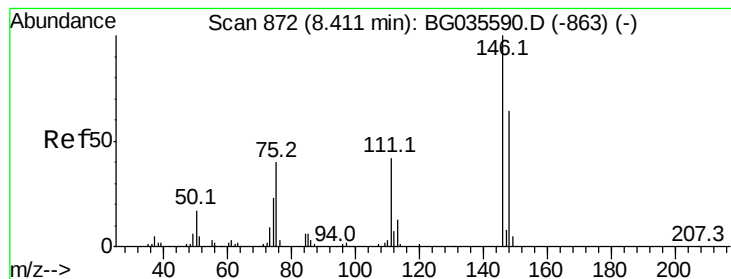


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 1.096 ng

RT: 8.38 min Scan# 866

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

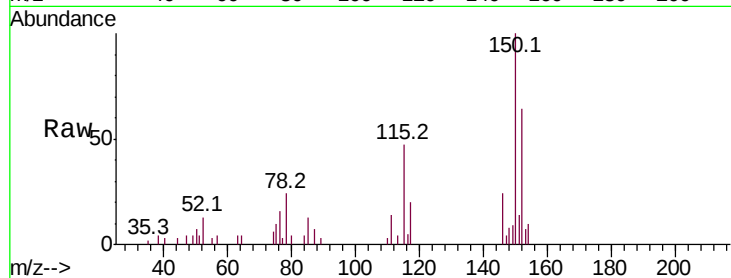
Tot Ion:146 Resp: 2541

Ion Ratio Lower Upper

146 100

148 32.0 49.3 73.9#

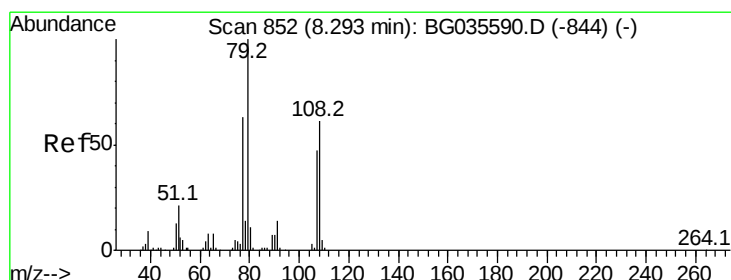
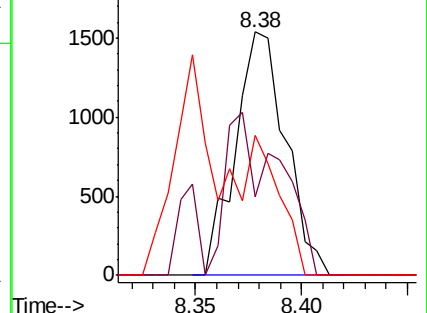
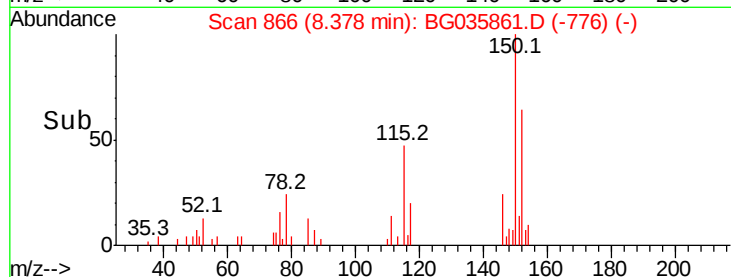
111 57.2 34.3 51.5#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.120 ng

RT: 8.27 min Scan# 848

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

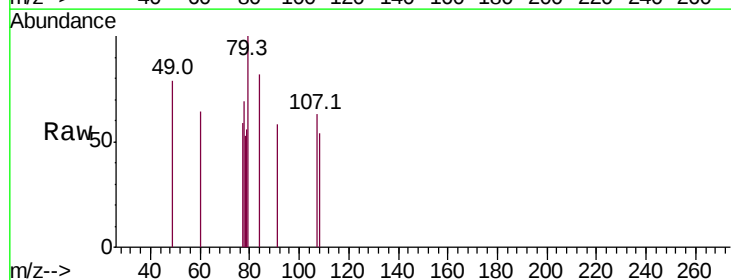
Tgt Ion: 79 Resp: 314

Ion Ratio Lower Upper

79 100

108 34.6 57.2 85.8#

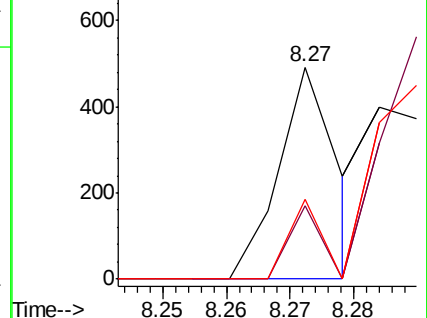
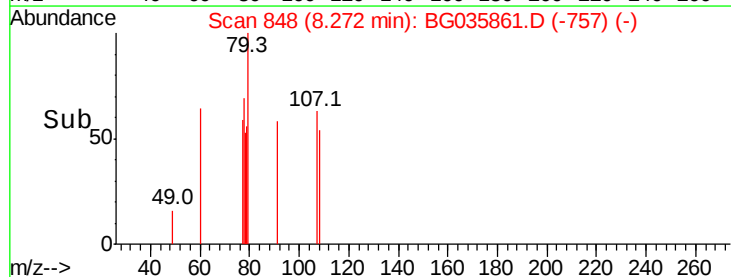
77 37.6 46.1 69.1#

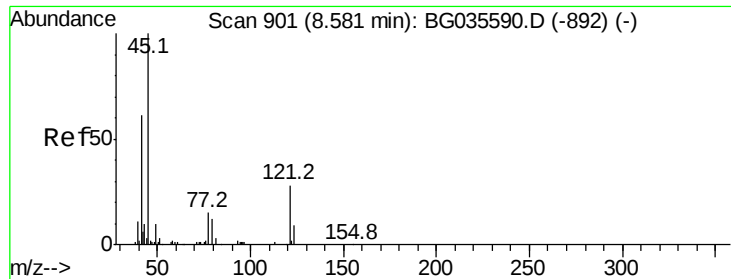


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

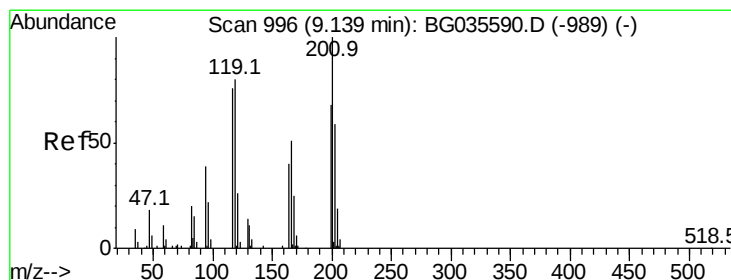
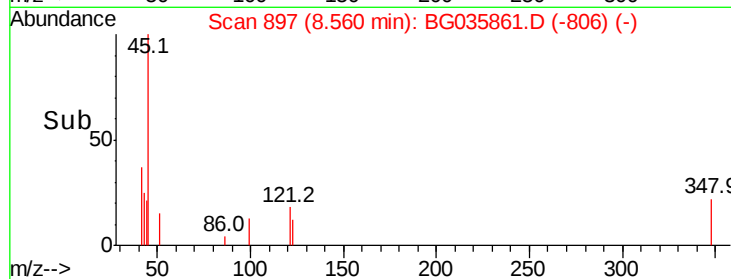
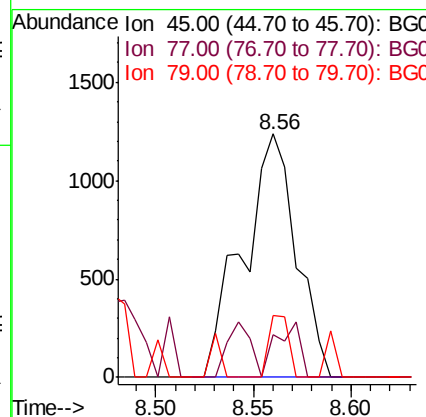
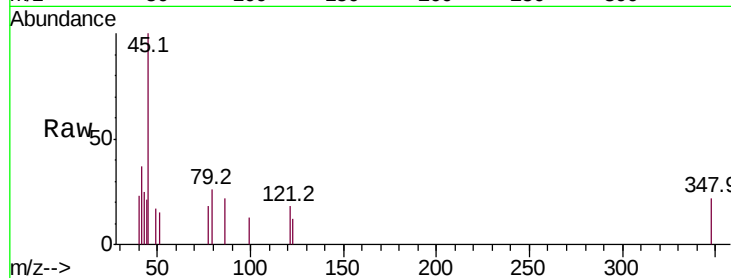




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.222 ng
RT: 8.56 min Scan# 897
Delta R.T. 0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

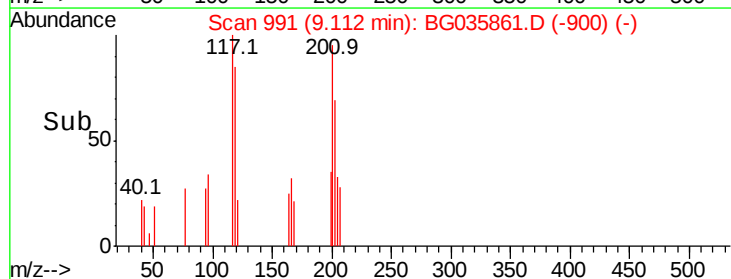
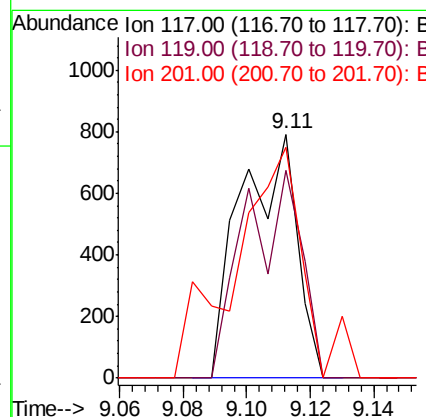
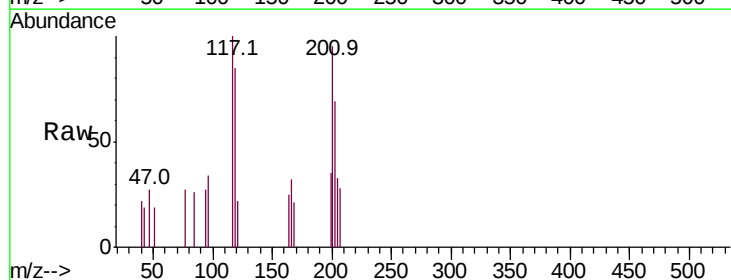
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

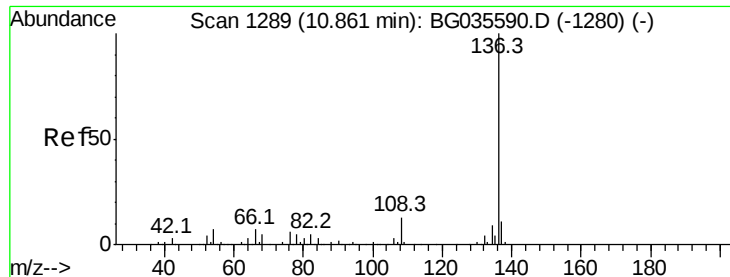
Tot Ion: 45 Resp: 2339
Ion Ratio Lower Upper
45 100
77 17.8 0.0 30.2
79 25.6 0.0 27.9



#18
Hexachloroethane
Concen: 1.046 ng
RT: 9.11 min Scan# 991
Delta R.T. 0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion: 117 Resp: 965
Ion Ratio Lower Upper
117 100
119 85.2 76.7 115.1
201 94.7 95.7 143.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:136 Resp: 115741

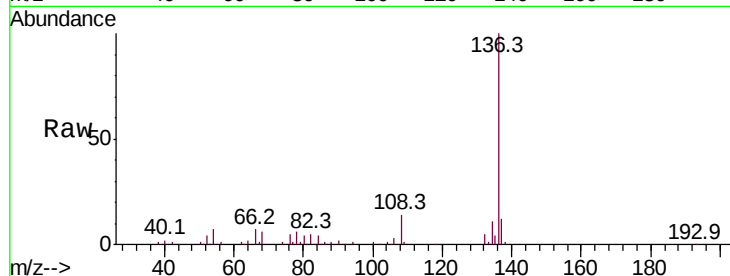
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 7.5 10.3 15.5#

68 6.1 4.5 6.7

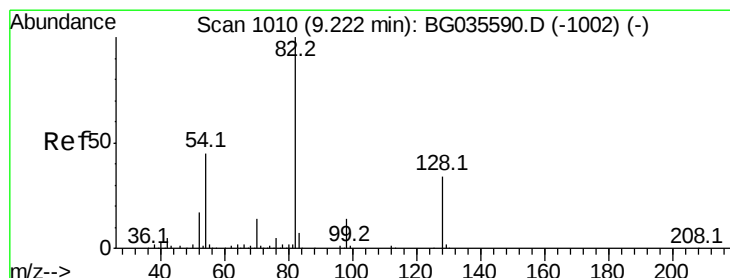
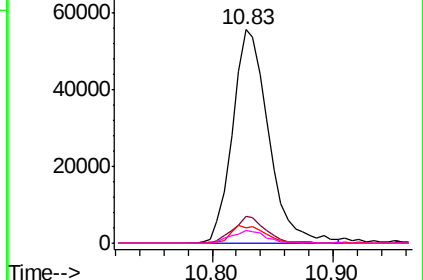
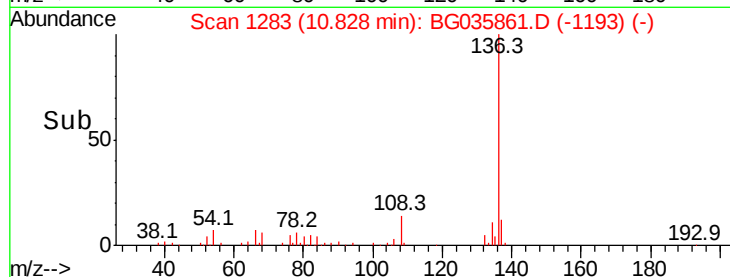


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 83.565 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

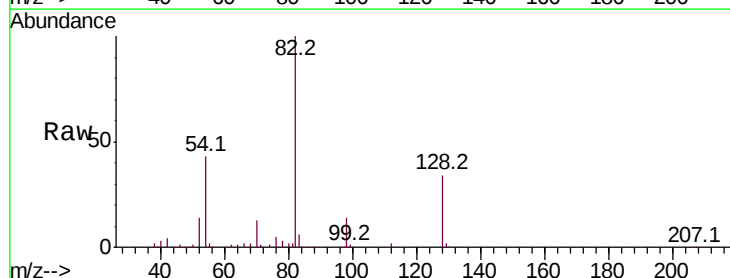
Tgt Ion: 82 Resp: 231524

Ion Ratio Lower Upper

82 100

128 33.5 29.7 44.5

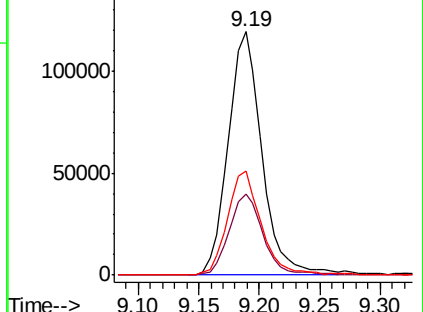
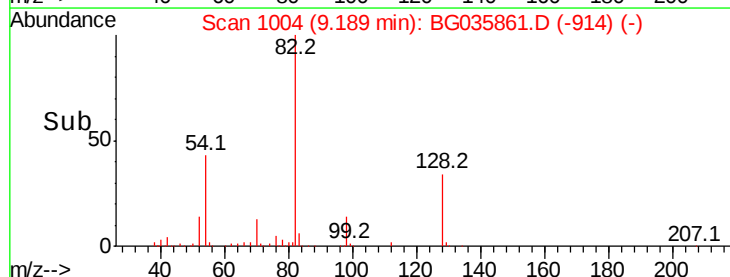
54 42.7 43.1 64.7#

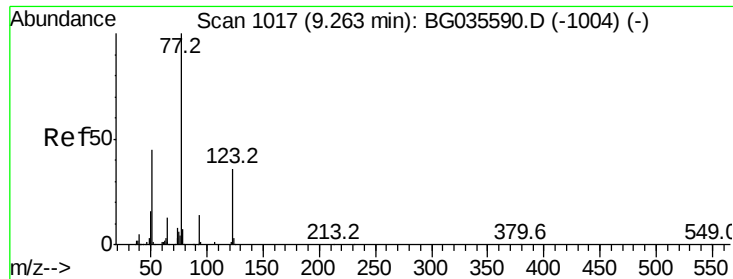


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 1.017 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

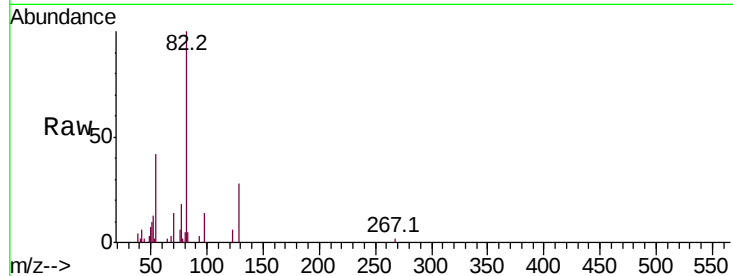
Tot Ion: 77 Resp: 2834

Ion Ratio Lower Upper

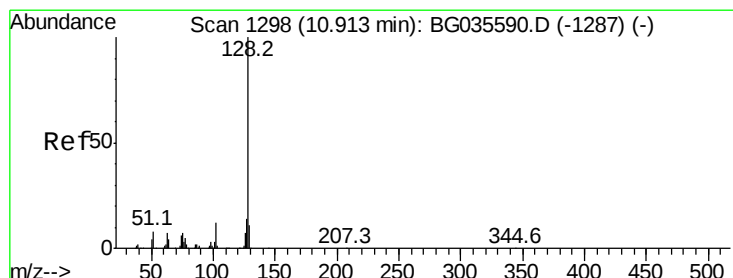
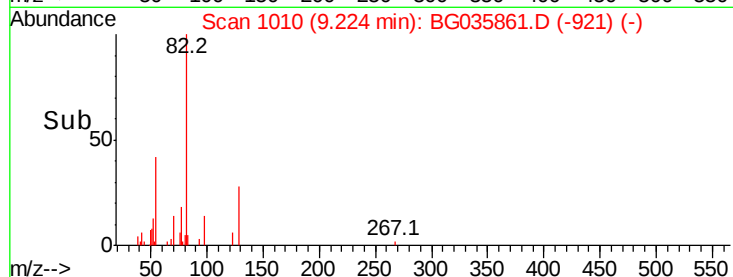
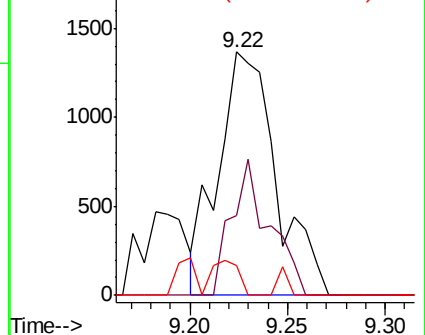
77 100

123 33.0 33.0 49.6#

65 12.3 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 0.959 ng

RT: 10.88 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

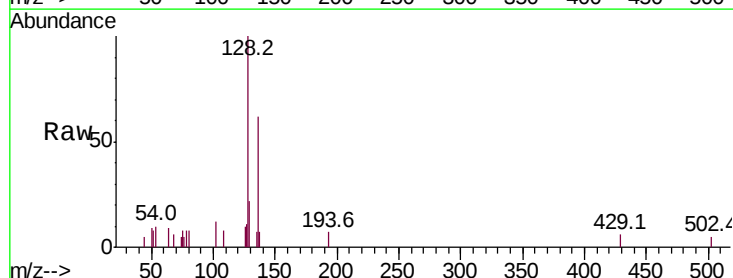
Tgt Ion: 128 Resp: 5779

Ion Ratio Lower Upper

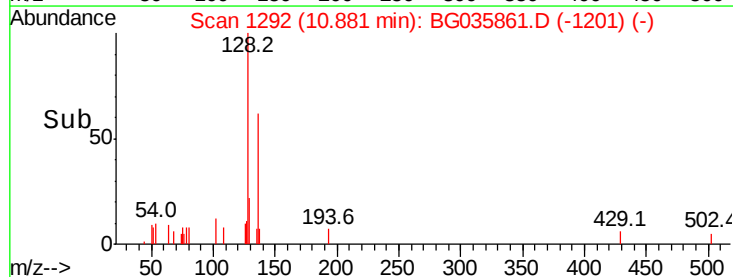
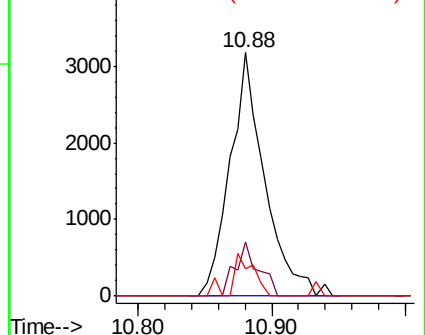
128 100

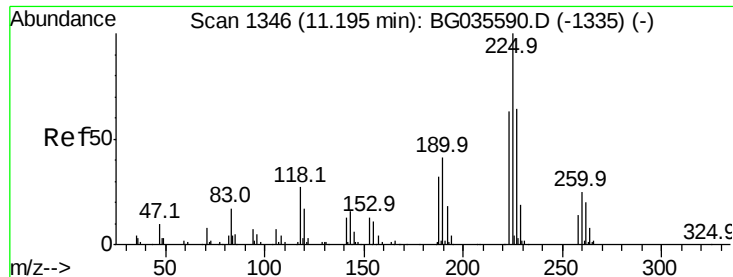
129 22.1 8.6 12.8#

127 11.0 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#34

Hexachlorobutadiene

Concen: 1.138 ng

RT: 11.16 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

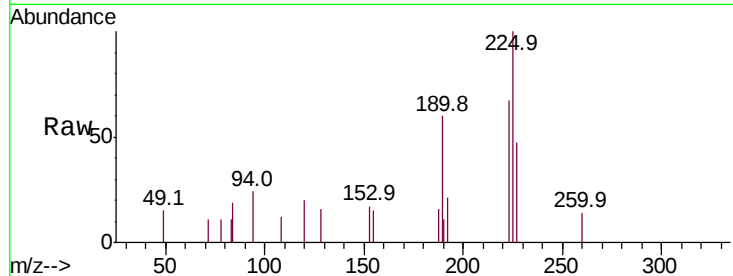
Tot Ion:225 Resp: 2080

Ion Ratio Lower Upper

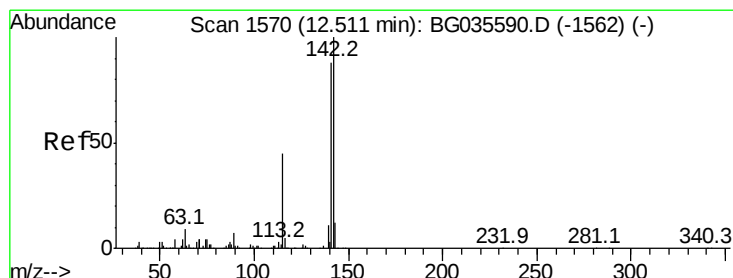
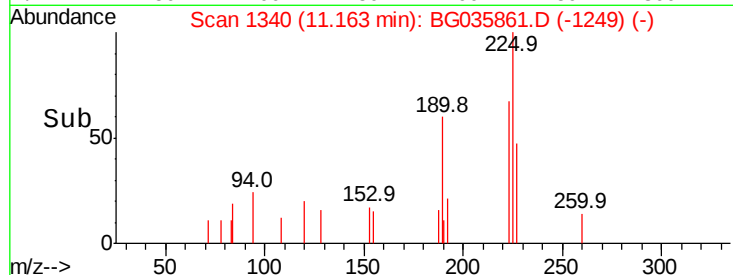
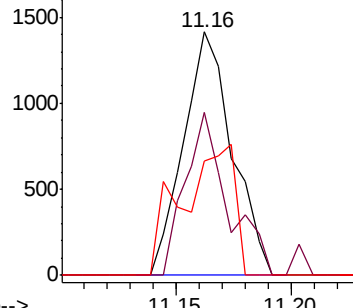
225 100

223 66.8 49.7 74.5

227 46.9 48.1 72.1#



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 0.906 ng

RT: 12.50 min Scan# 1568

Delta R.T. 0.02 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

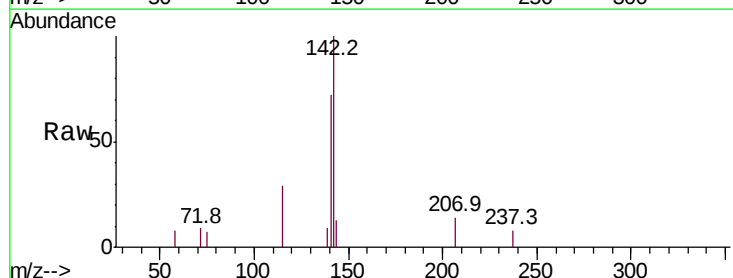
Tgt Ion:142 Resp: 4068

Ion Ratio Lower Upper

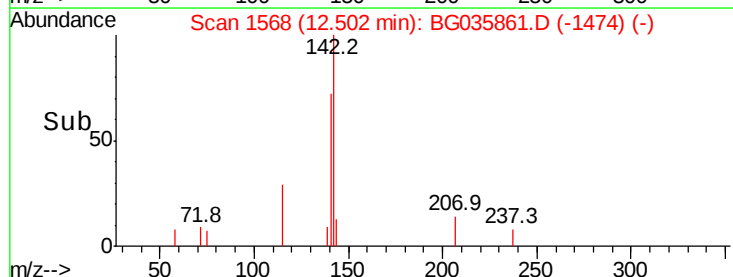
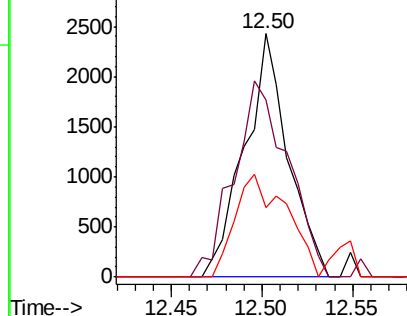
142 100

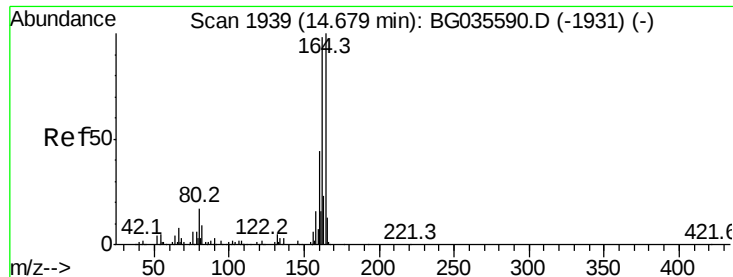
141 72.5 67.1 100.7

115 28.7 30.7 46.1#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

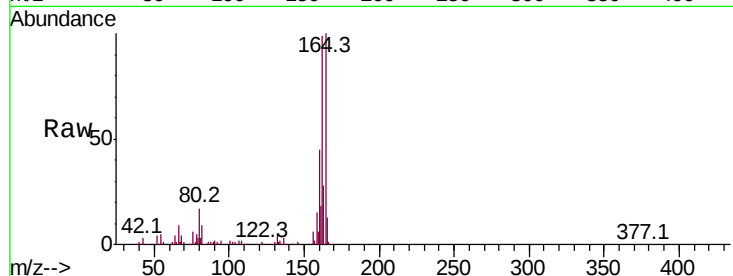
Tot Ion:164 Resp: 81455

Ion Ratio Lower Upper

164 100

162 98.8 78.8 118.2

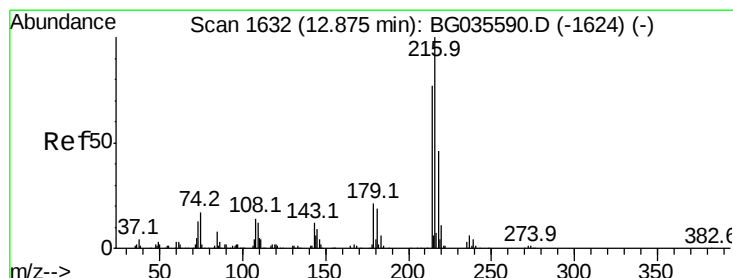
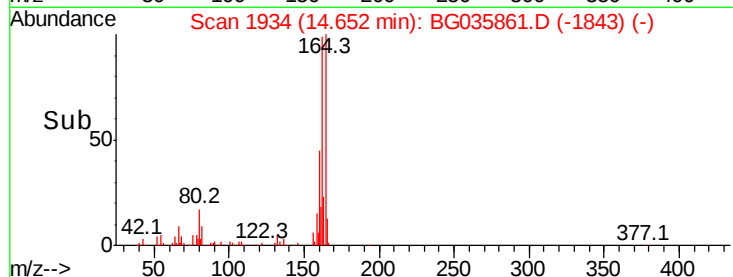
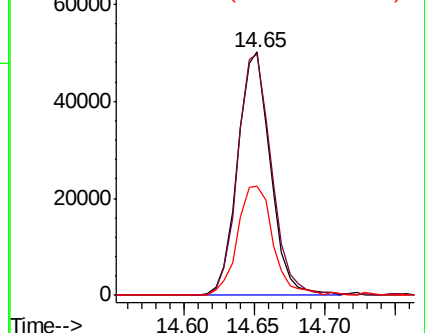
160 44.7 35.4 53.0



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.035 ng

RT: 12.85 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Tgt Ion:216 Resp: 3182

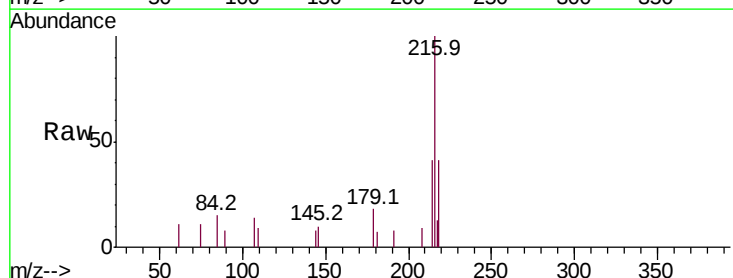
Ion Ratio Lower Upper

216 100

214 77.0 63.0 94.4

179 20.1 17.0 25.6

108 14.0 12.8 19.2

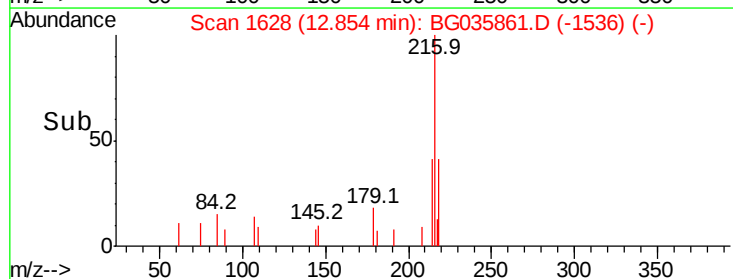
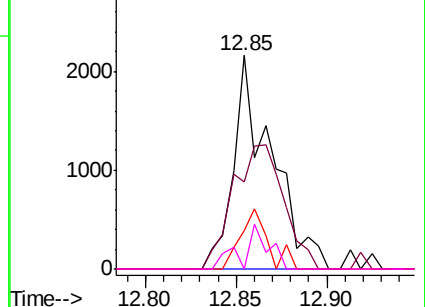


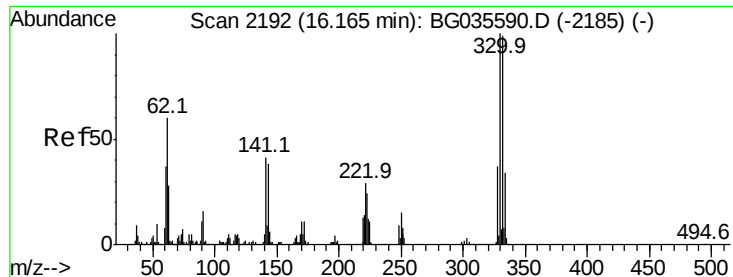
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

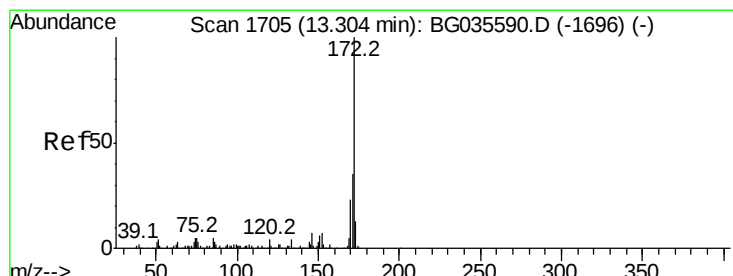
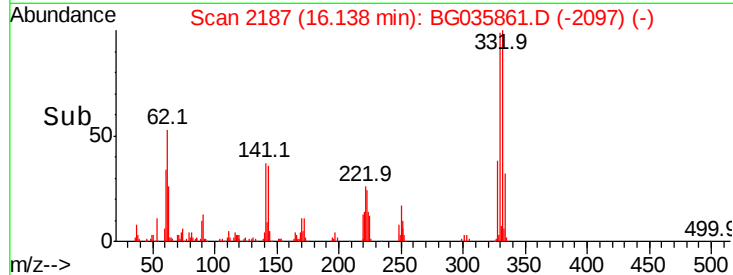
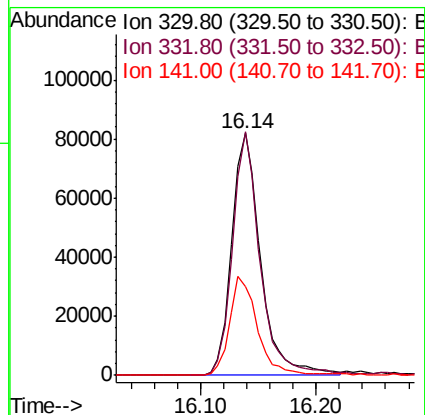
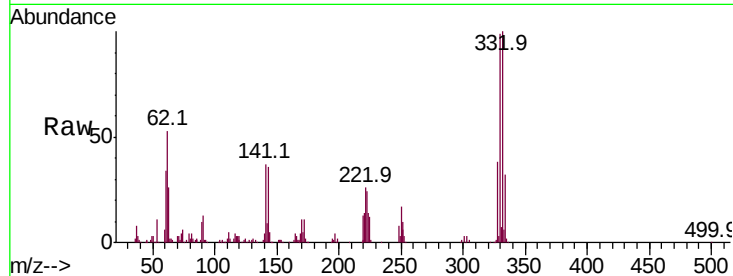




#41
 2,4,6-Tribromophenol
 Concen: 132.502 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: BG035861.D
 Acq: 25 Jul 2018 00:30

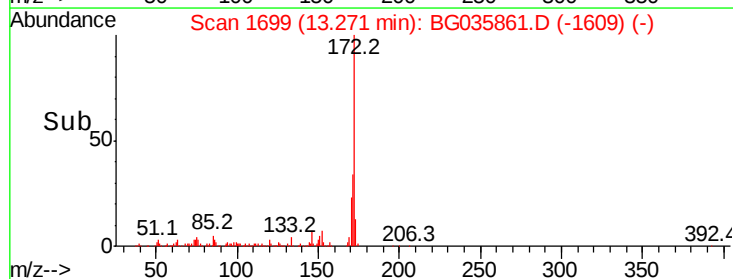
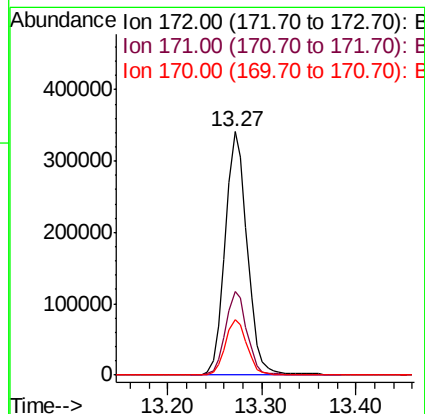
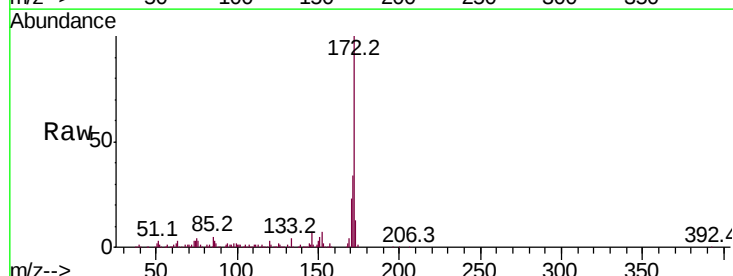
Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT3-2018

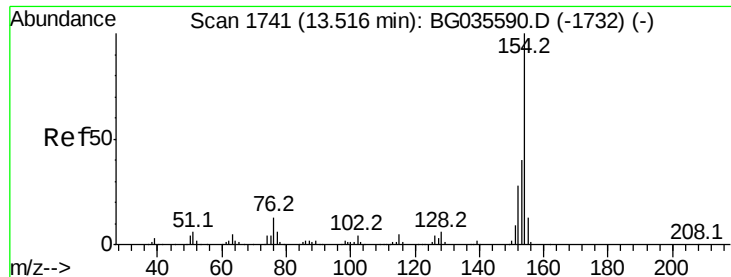
Tot Ion:330 Resp: 142258
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 40.1 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 92.316 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035861.D
 Acq: 25 Jul 2018 00:30

Tgt Ion:172 Resp: 561275
 Ion Ratio Lower Upper
 172 100
 171 34.4 30.0 45.0
 170 22.8 19.5 29.3

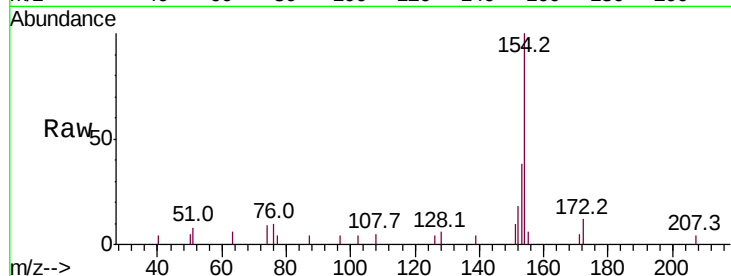




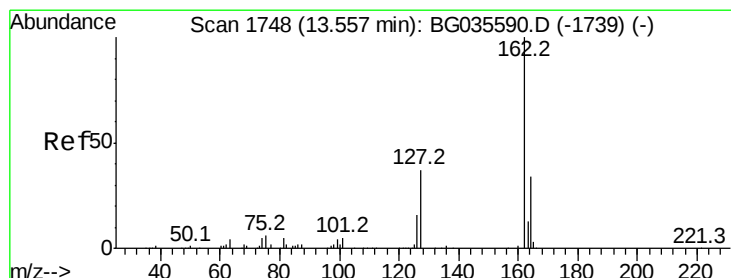
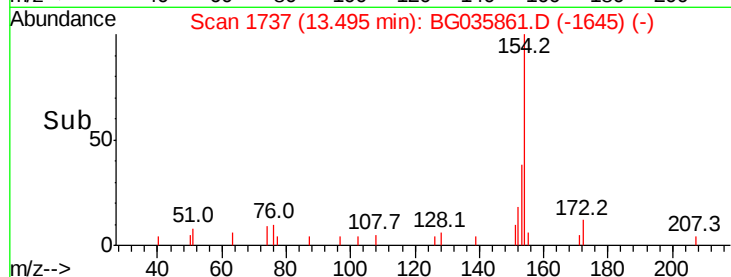
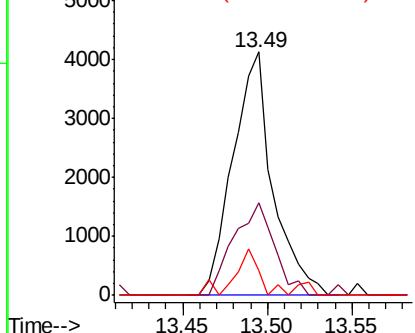
#45
 1,1'-Biphenyl
 Concen: 1.073 ng
 RT: 13.49 min Scan# 1737
 Delta R.T. 0.01 min
 Lab File: BG035861.D
 Acq: 25 Jul 2018 00:30

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

Tot Ion:154 Resp: 6775
 Ion Ratio Lower Upper
 154 100
 153 37.9 19.8 59.8
 76 10.4 0.0 31.9

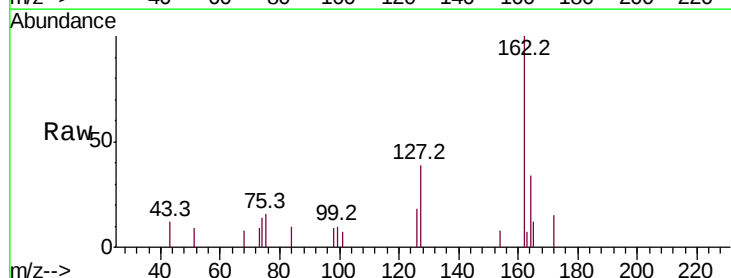


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

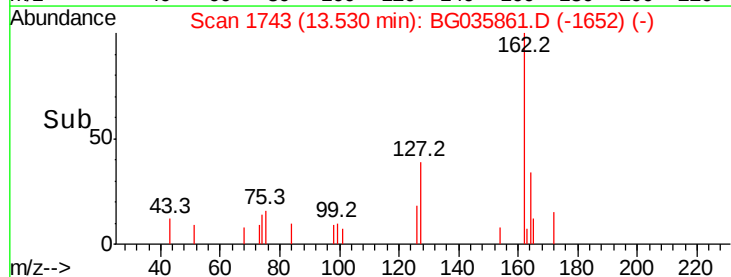
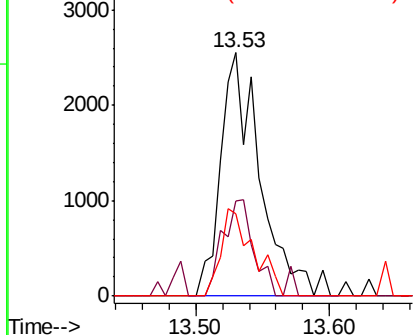


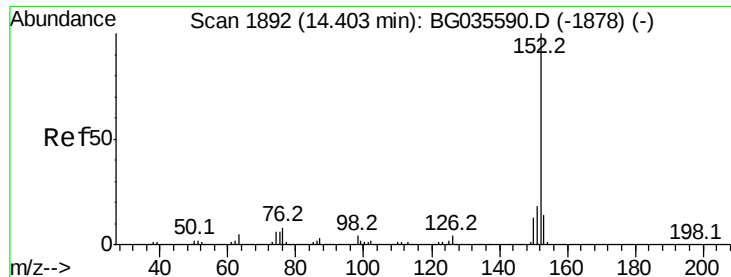
#46
 2-Chloronaphthalene
 Concen: 1.078 ng
 RT: 13.53 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: BG035861.D
 Acq: 25 Jul 2018 00:30

Tgt Ion:162 Resp: 5295
 Ion Ratio Lower Upper
 162 100
 127 39.2 30.7 46.1
 164 33.6 26.0 39.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 0.912 ng

RT: 14.38 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

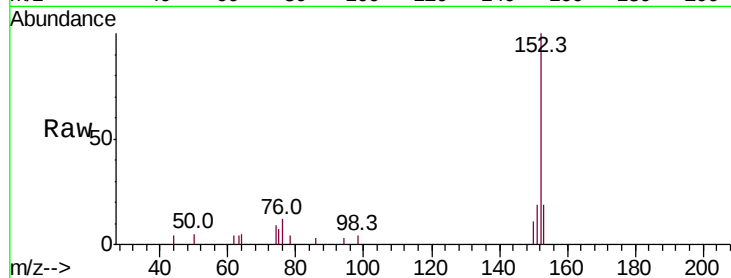
Tot Ion:152 Resp: 7507

Ion Ratio Lower Upper

152 100

151 19.3 17.2 25.8

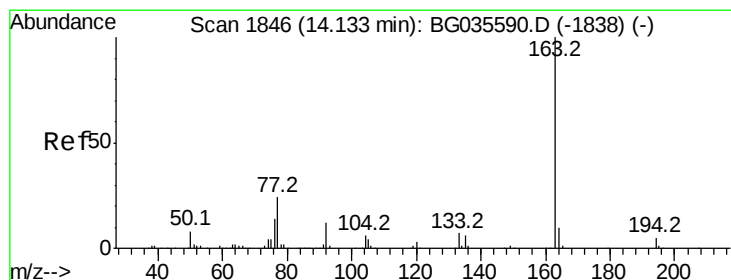
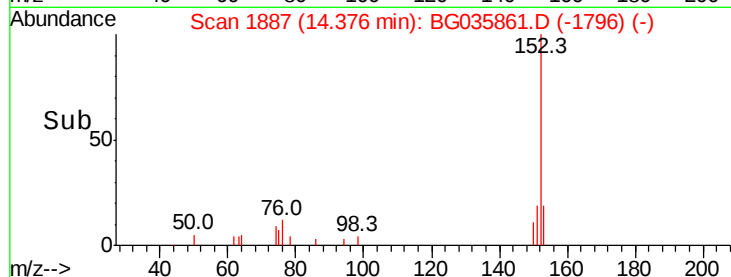
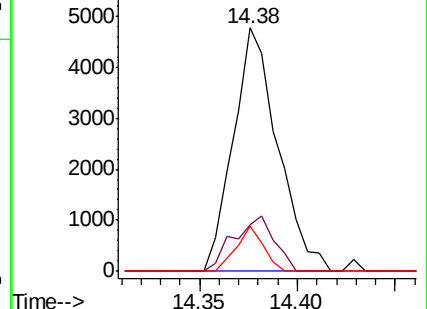
153 18.5 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.869 ng

RT: 14.12 min Scan# 1844

Delta R.T. 0.02 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

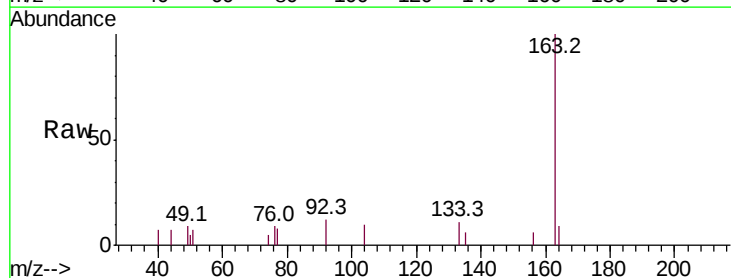
Tgt Ion:163 Resp: 6201

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

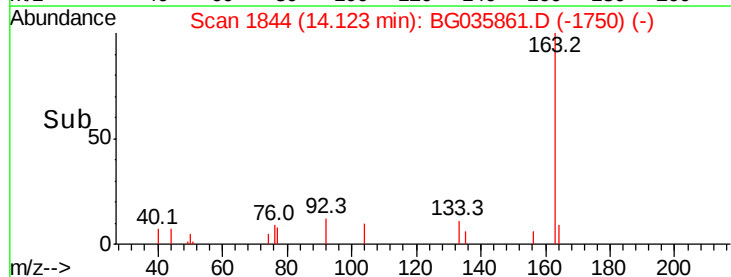
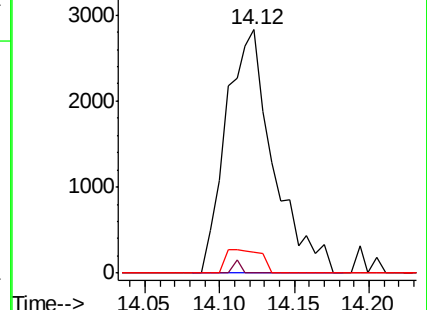
164 8.7 8.2 12.4

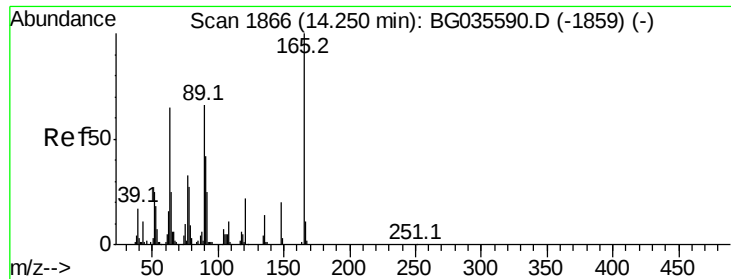


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

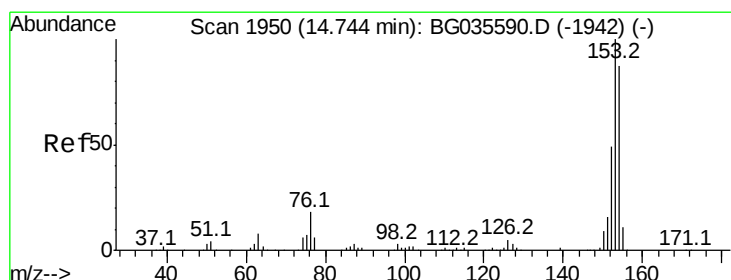
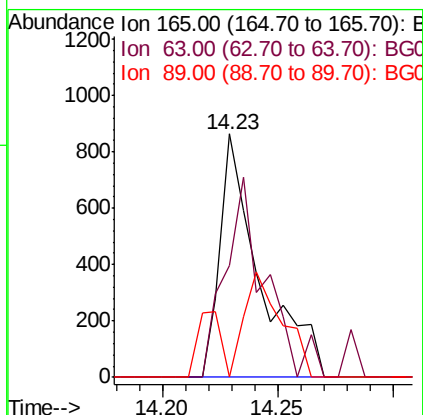
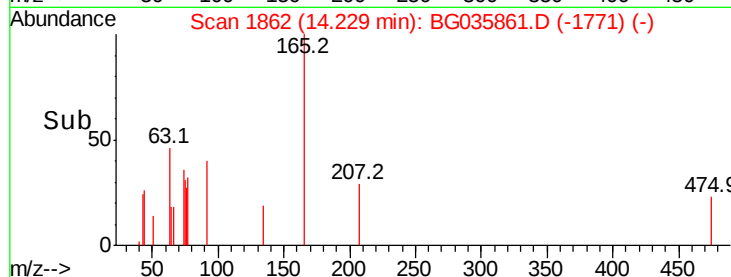
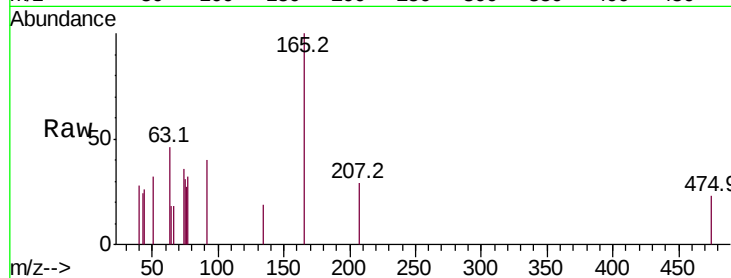




#50
2,6-Dinitrotoluene
Concen: 0.711 ng
RT: 14.23 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

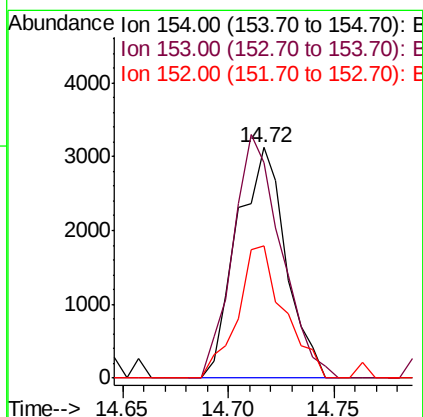
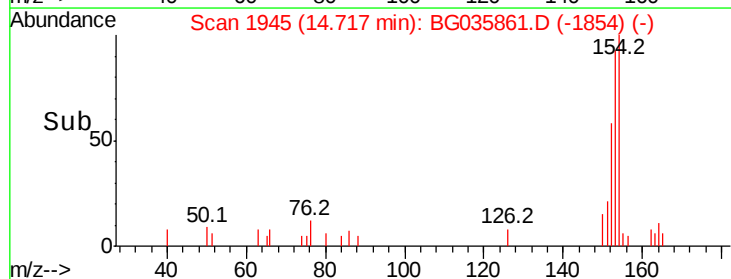
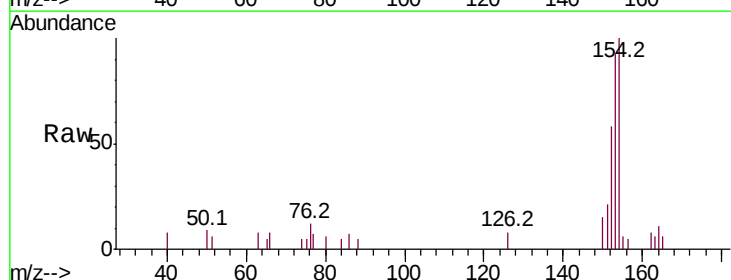
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

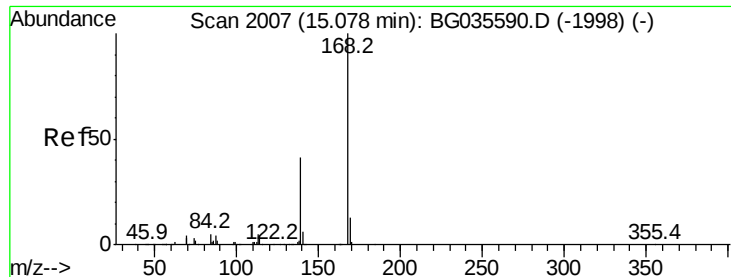
Tot Ion:165 Resp: 1033
Ion Ratio Lower Upper
165 100
63 45.7 52.7 79.1#
89 0.0 49.2 73.8#



#51
Acenaphthene
Concen: 0.980 ng
RT: 14.72 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion:154 Resp: 5024
Ion Ratio Lower Upper
154 100
153 93.4 90.4 135.6
152 57.6 41.6 62.4





#54

Dibenzofuran

Concen: 0.981 ng

RT: 15.06 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

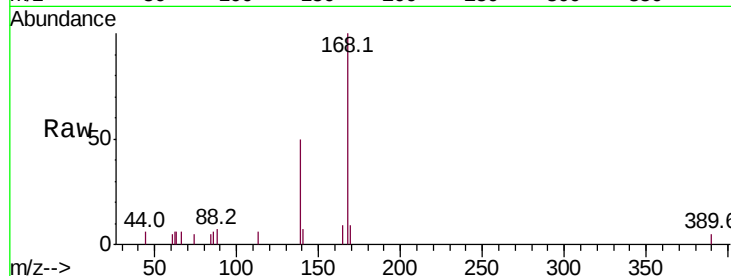
Tot Ion:168 Resp: 7999

Ion Ratio Lower Upper

168 100

139 49.7 28.6 43.0#

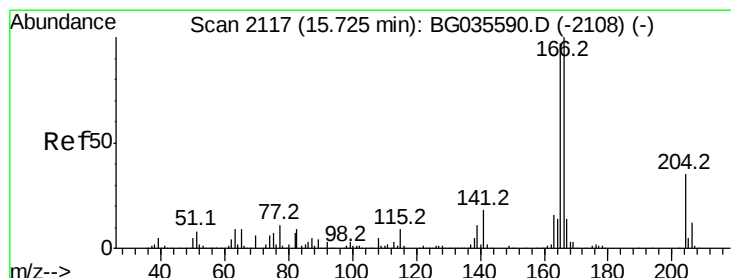
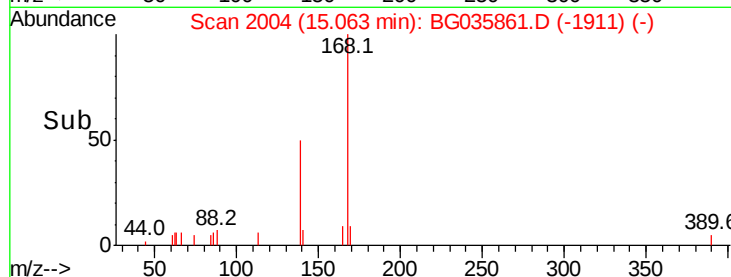
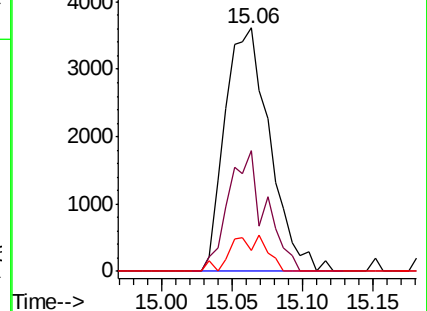
169 8.7 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 0.993 ng

RT: 15.70 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

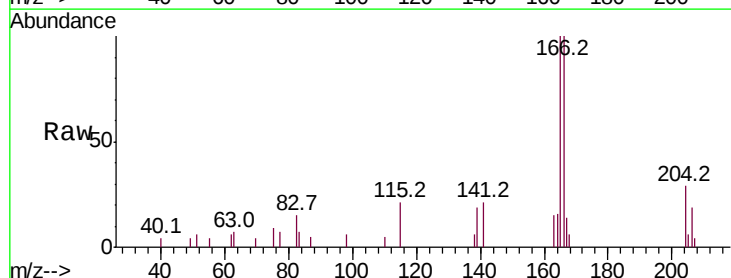
Tgt Ion:166 Resp: 6783

Ion Ratio Lower Upper

166 100

165 100.1 80.6 121.0

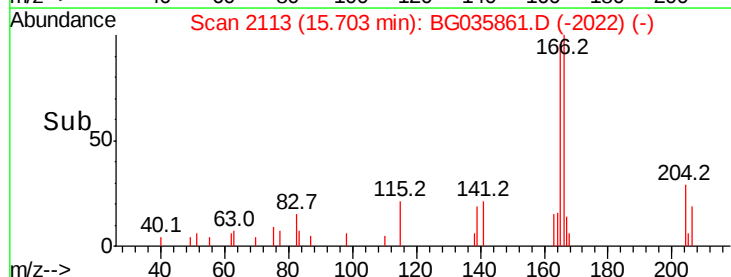
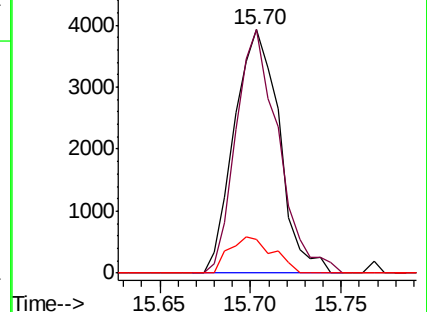
167 13.7 10.4 15.6

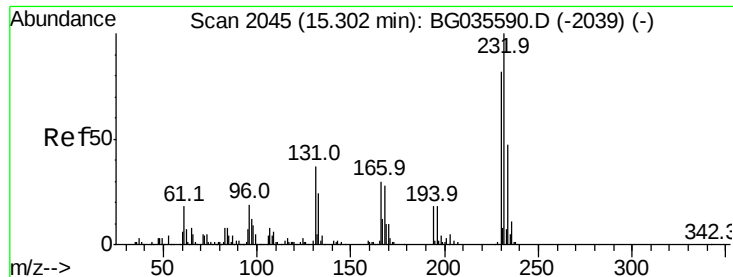


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

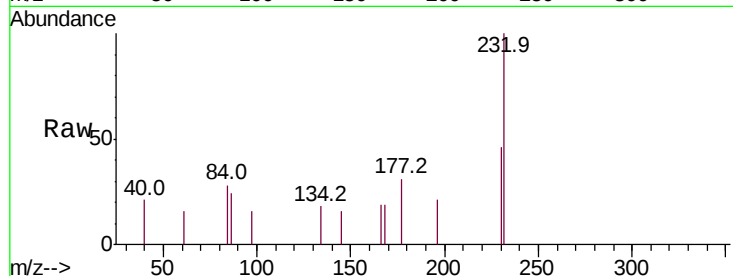




#58
2,3,4,6-Tetrachlorophenol
Concen: 0.468 ng
RT: 15.29 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	7.8	33.5	50.3#
130	0.0	2.2	3.2#
166	0.0	24.8	37.2#



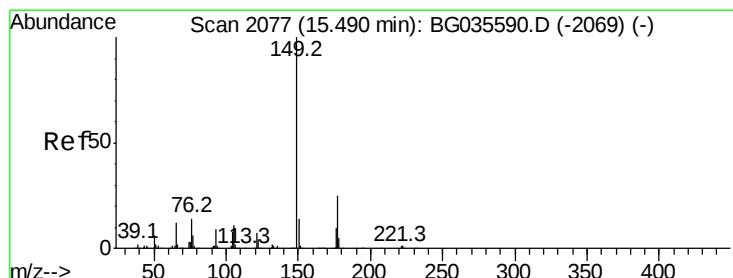
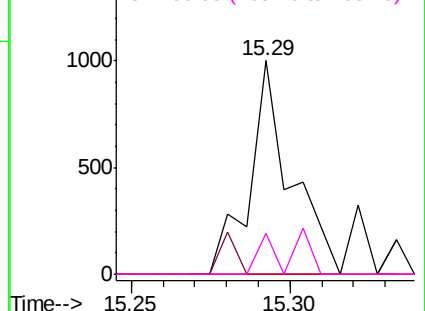
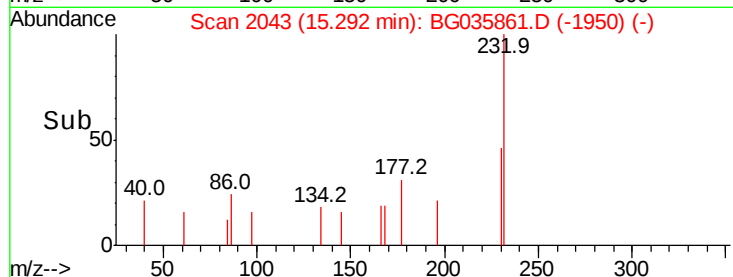
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

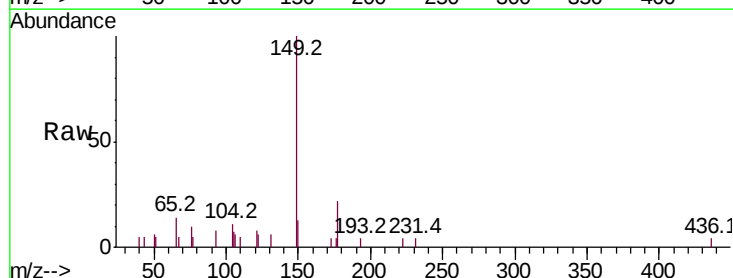
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
Diethylphthalate
Concen: 0.868 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.5	27.7
150	12.9	10.2	15.2

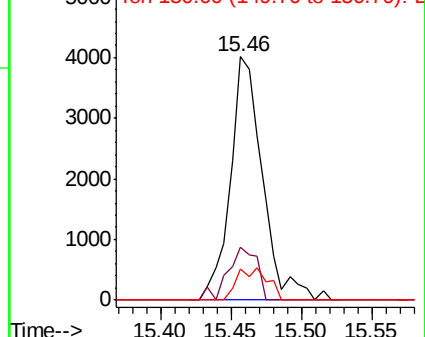
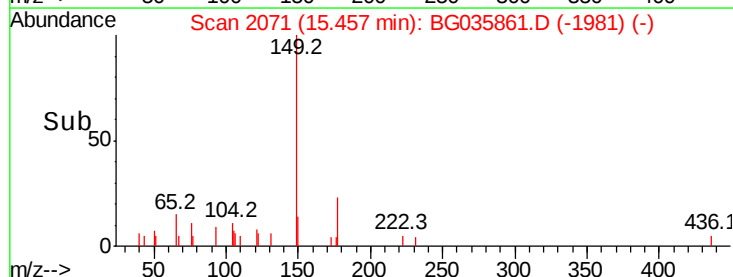


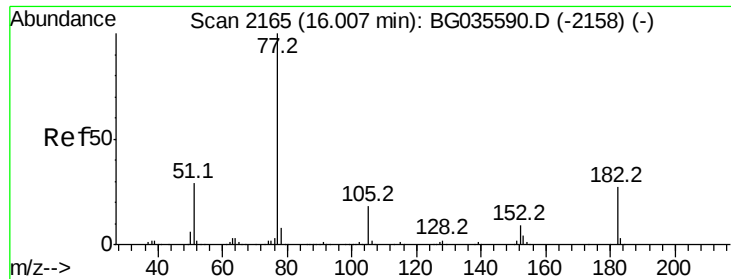
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.893 ng

RT: 15.97 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 77 Resp: 6464

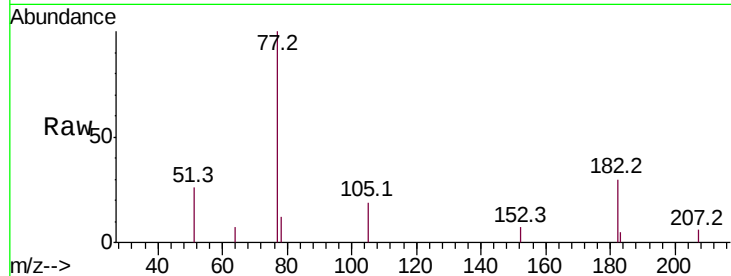
Ion Ratio Lower Upper

77 100

182 29.6 7.4 47.4

105 18.6 0.3 40.3

51 25.5 11.6 51.6

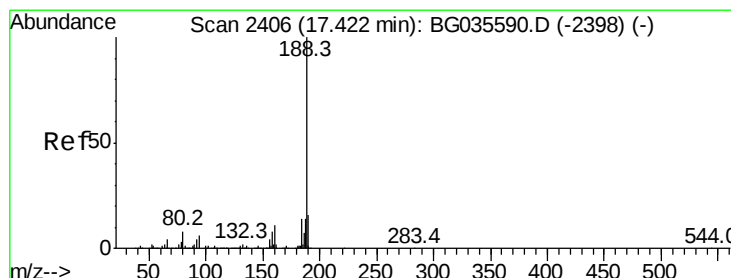
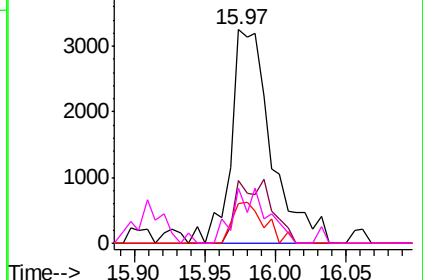
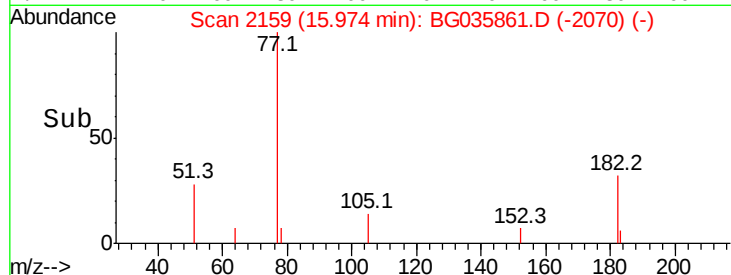


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

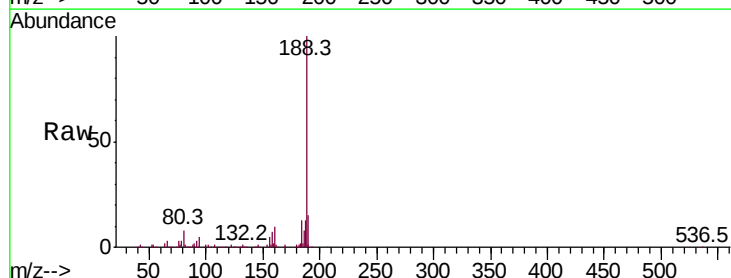
Tgt Ion: 188 Resp: 229874

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

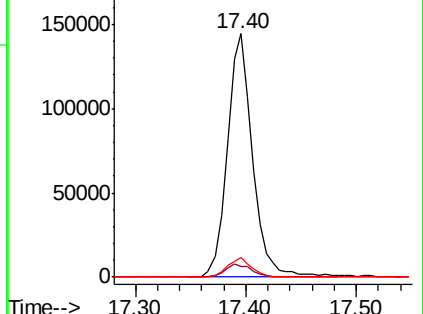
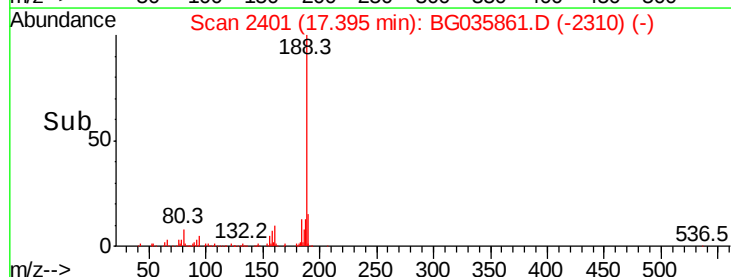
80 8.0 7.7 11.5

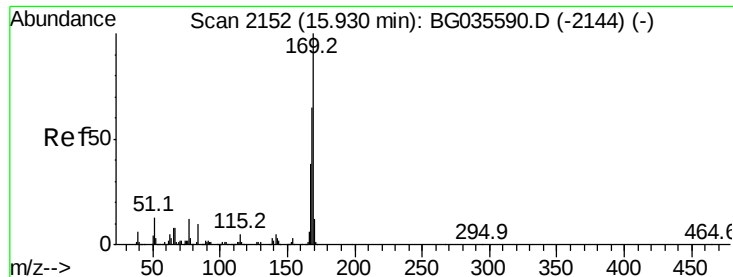


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

n-Nitrosodiphenylamine

Concen: 0.794 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

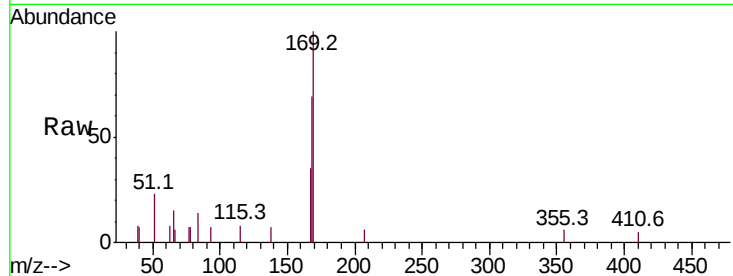
Tot Ion:169 Resp: 5196

Ion Ratio Lower Upper

169 100

168 69.4 55.7 83.5

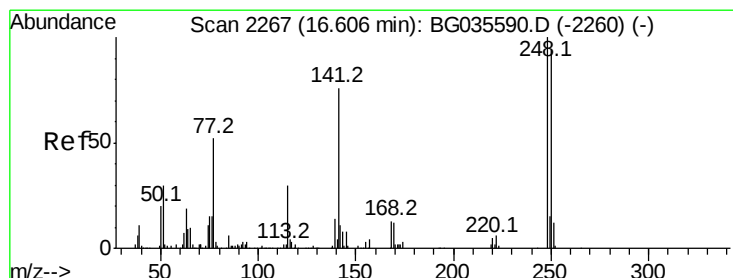
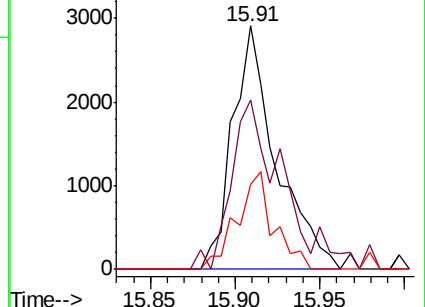
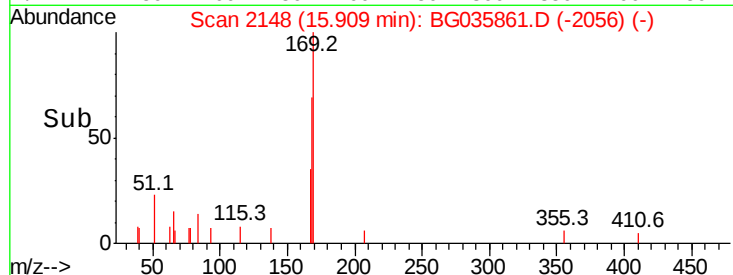
167 34.9 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 0.736 ng

RT: 16.58 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

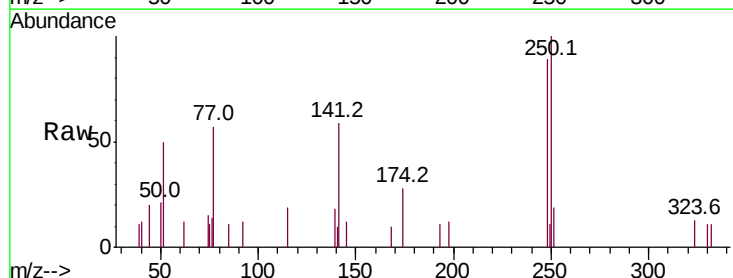
Tgt Ion:248 Resp: 1962

Ion Ratio Lower Upper

248 100

250 112.0 77.1 115.7

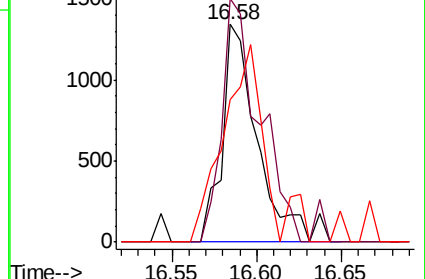
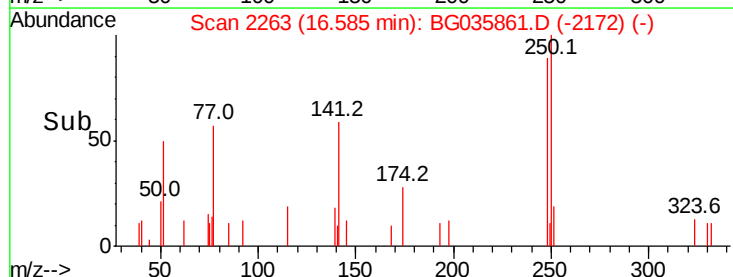
141 65.6 50.8 76.2

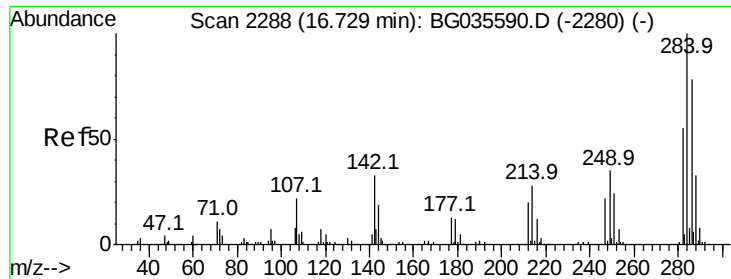


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

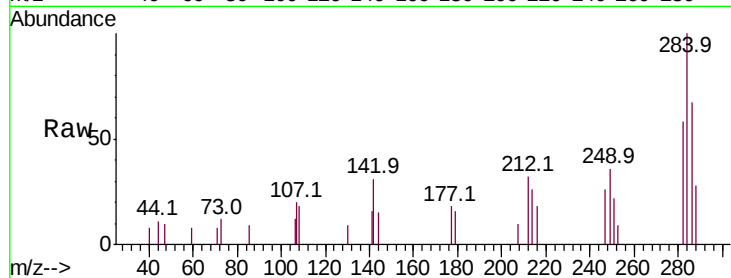




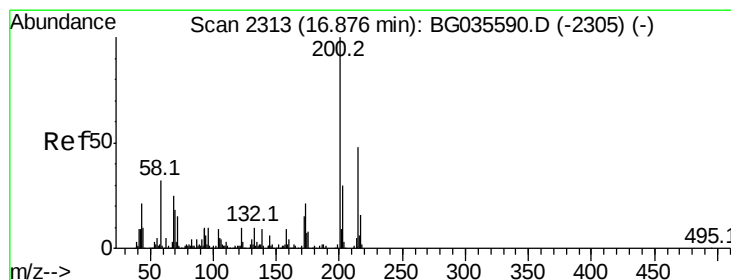
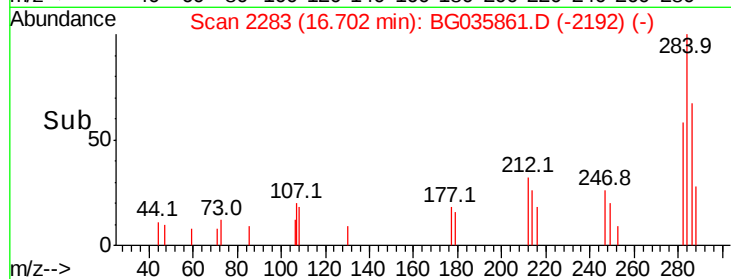
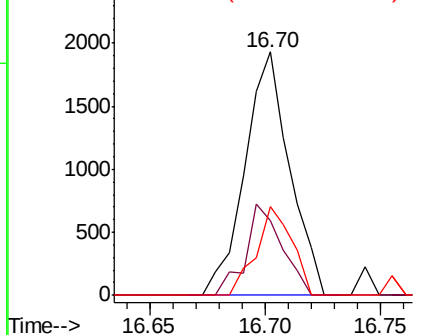
#67
Hexachlorobenzene
Concen: 0.946 ng
RT: 16.70 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

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

Tot Ion:284 Resp: 2597
Ion Ratio Lower Upper
284 100
142 30.6 26.8 40.2
249 36.4 26.3 39.5

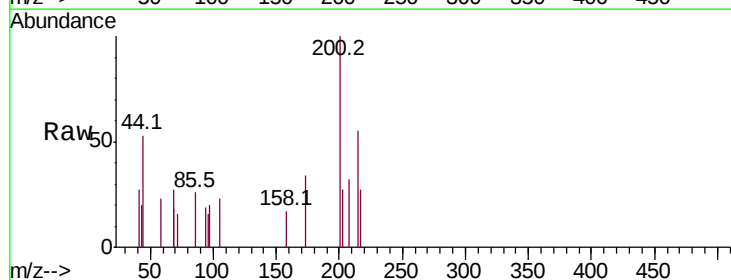


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

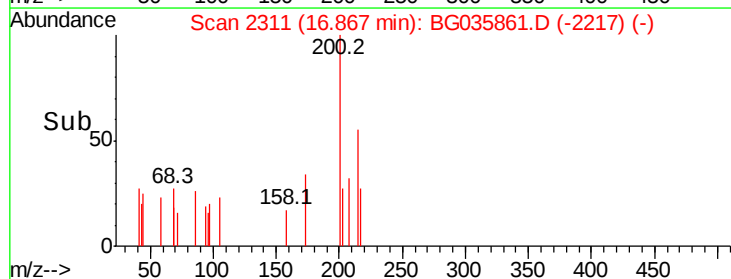
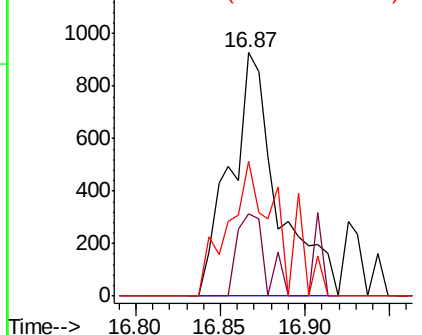


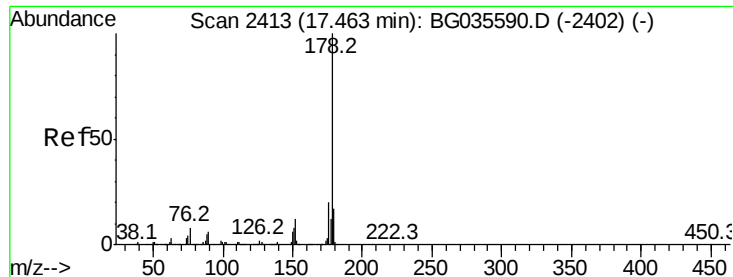
#68
Atrazine
Concen: 0.676 ng
RT: 16.87 min Scan# 2311
Delta R.T. 0.02 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion:200 Resp: 1820
Ion Ratio Lower Upper
200 100
173 33.6 5.2 45.2
215 55.3 30.4 70.4



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 0.991 ng

RT: 17.54 min Scan# 2425

Delta R.T. 0.10 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

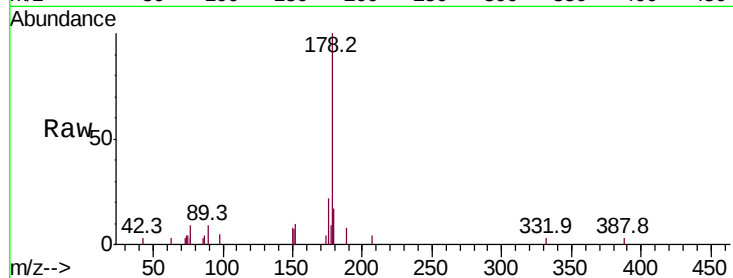
Tot Ion:178 Resp: 11370

Ion Ratio Lower Upper

178 100

176 21.5 15.7 23.5

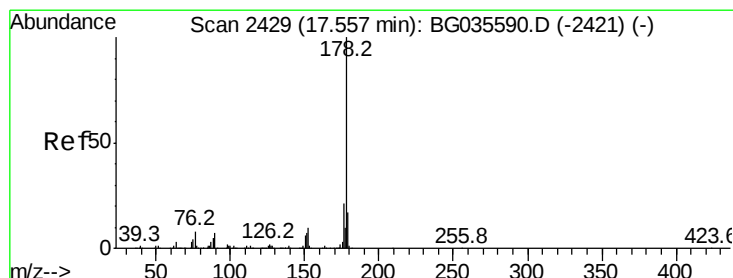
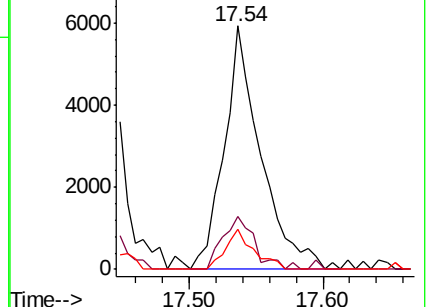
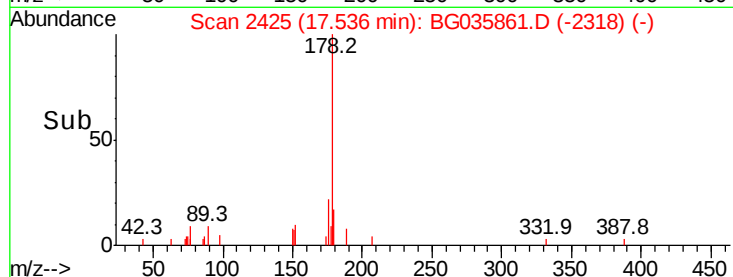
179 16.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.996 ng

RT: 17.54 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

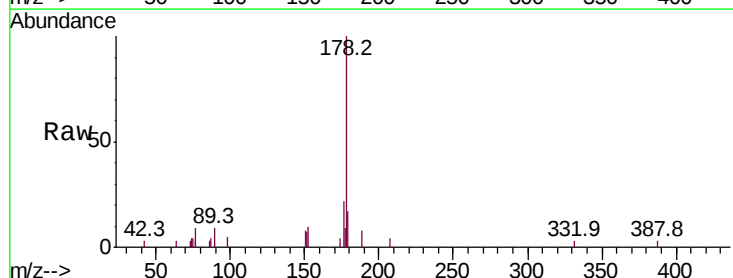
Tgt Ion:178 Resp: 11370

Ion Ratio Lower Upper

178 100

176 21.5 16.0 24.0

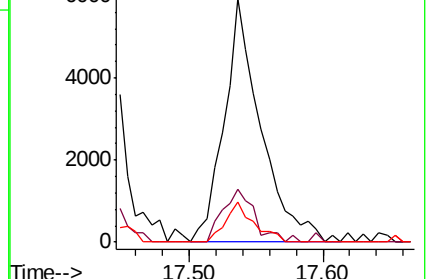
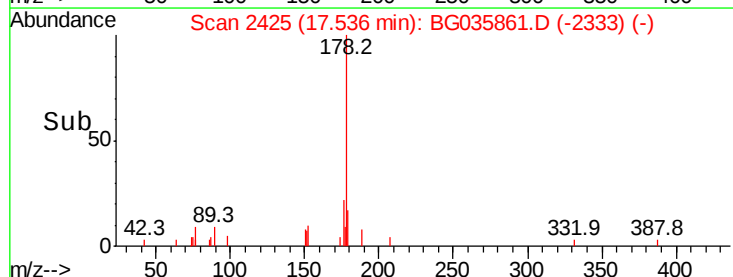
179 16.5 12.5 18.7

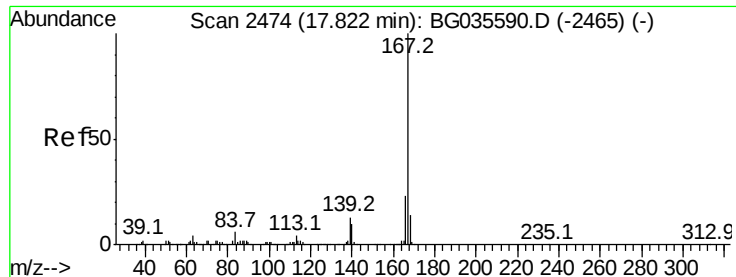


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.760 ng

RT: 17.83 min Scan# 2475

Delta R.T. 0.03 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

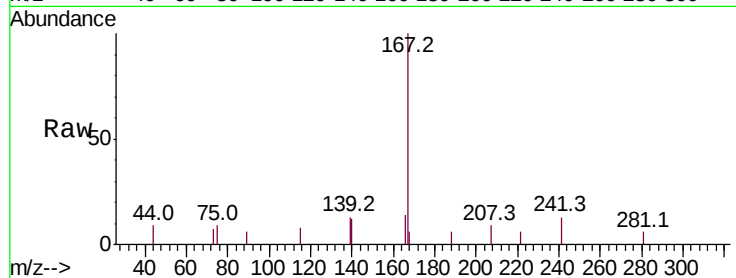
Tot Ion:167 Resp: 8241

Ion Ratio Lower Upper

167 100

166 14.4 18.2 27.4#

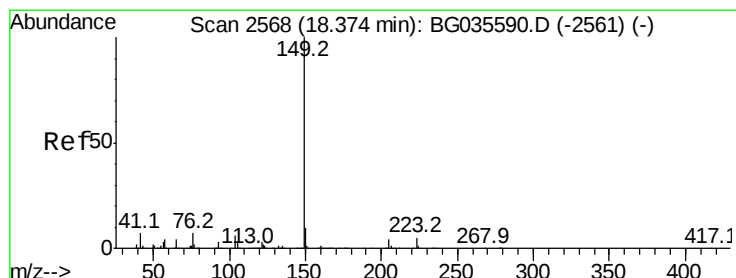
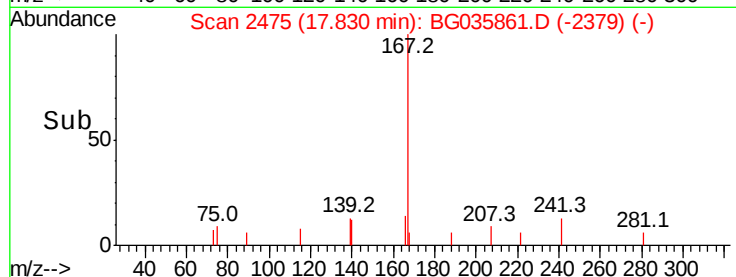
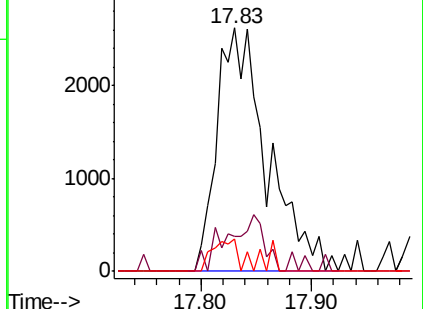
139 13.1 9.4 14.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.747 ng

RT: 18.36 min Scan# 2565

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

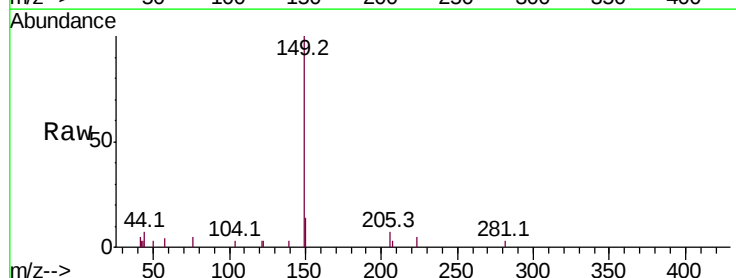
Tgt Ion:149 Resp: 9575

Ion Ratio Lower Upper

149 100

150 13.7 7.8 11.6#

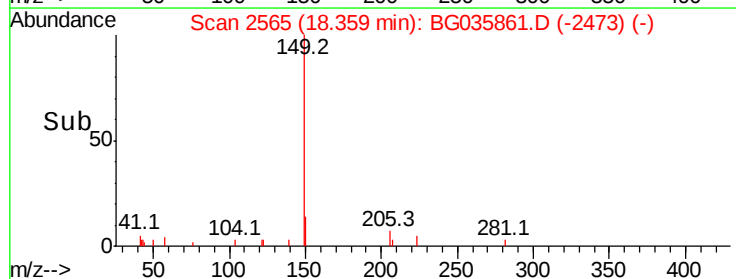
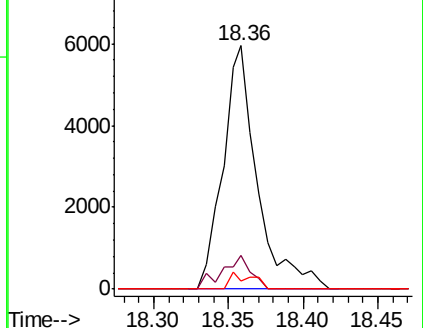
104 3.5 3.9 5.9#

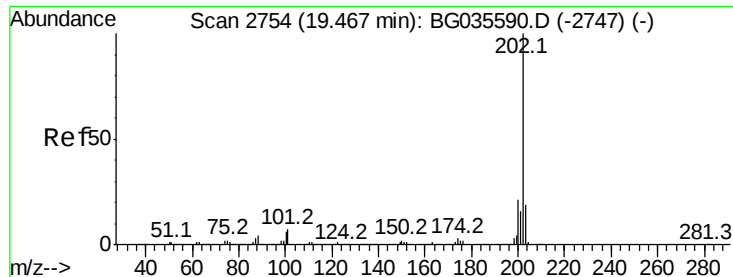


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 1.027 ng

RT: 19.45 min Scan# 2751

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

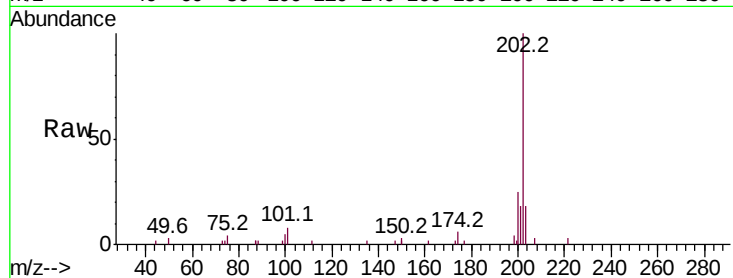
Tot Ion:202 Resp: 15874

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.9

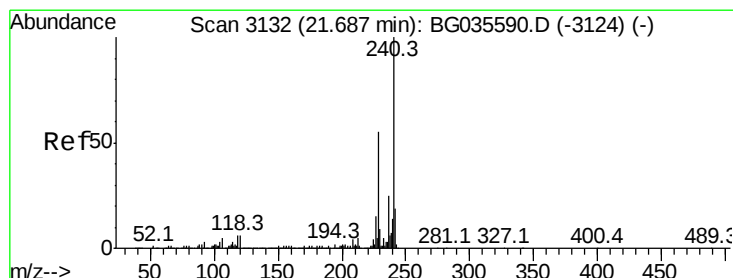
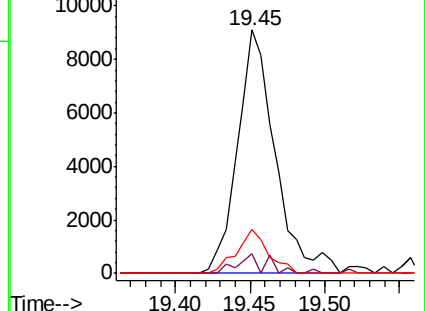
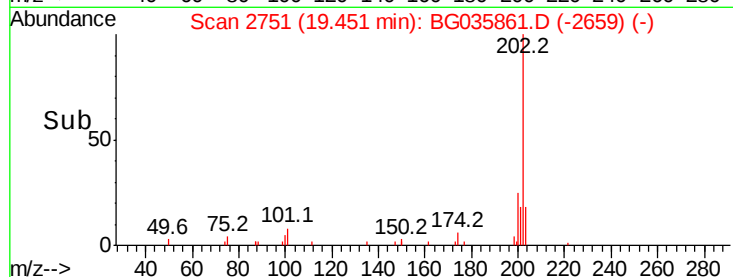
203 18.2 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

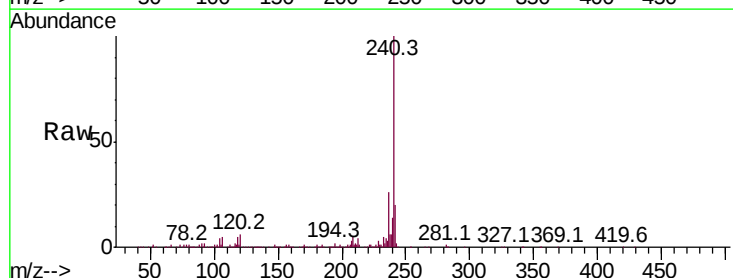
Tgt Ion:240 Resp: 305260

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

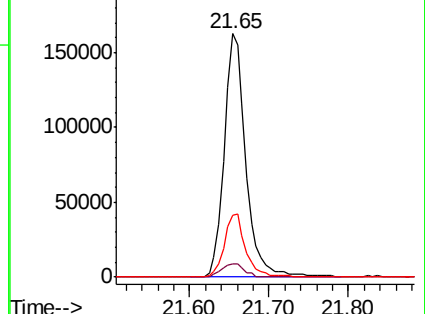
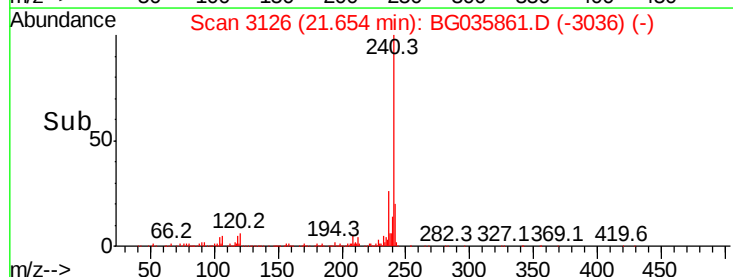
236 25.6 20.9 31.3

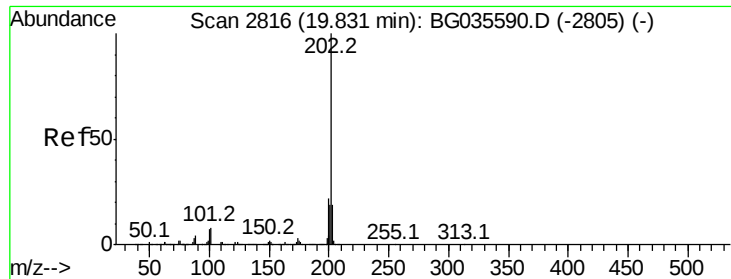


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.887 ng

RT: 19.81 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

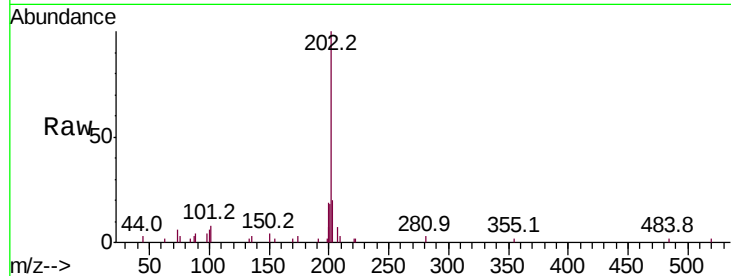
Tot Ion:202 Resp: 17121

Ion Ratio Lower Upper

202 100

200 19.4 16.9 25.3

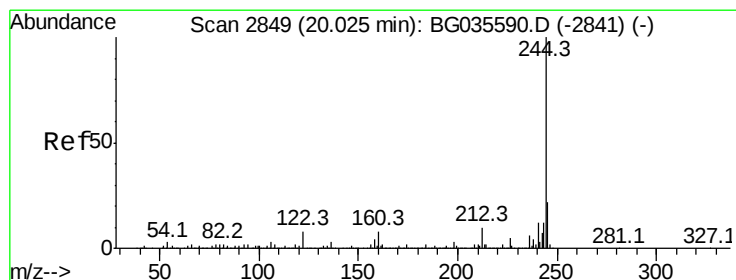
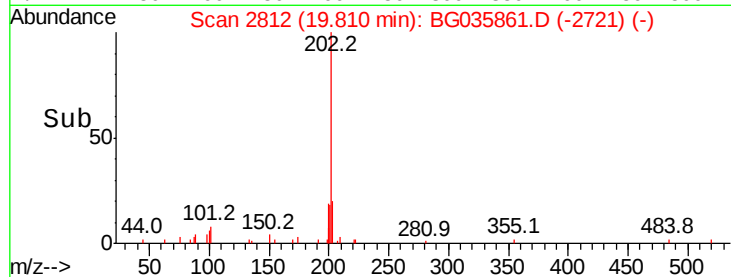
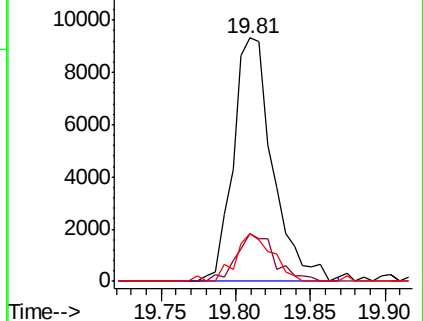
203 19.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 97.491 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

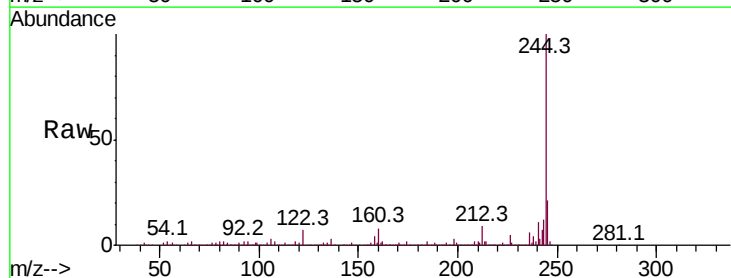
Tgt Ion:244 Resp: 1350086

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

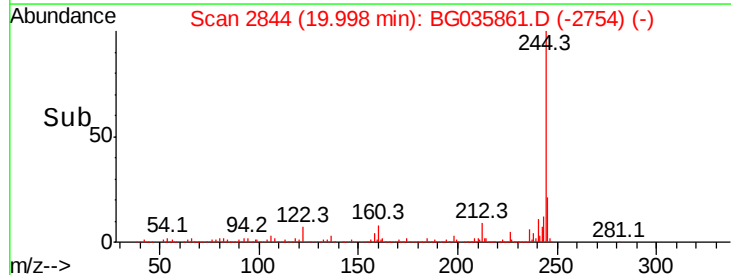
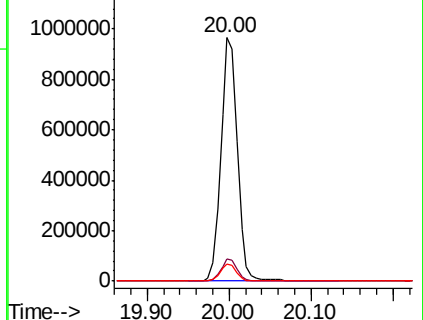
122 7.1 7.0 10.4

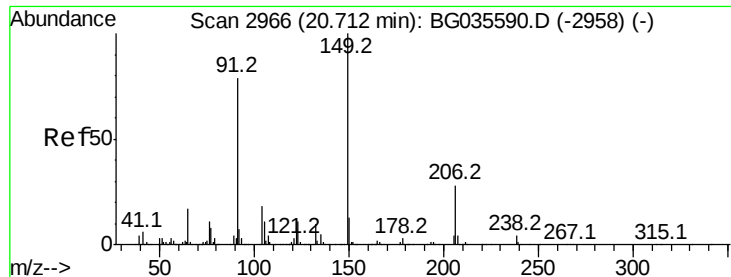


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

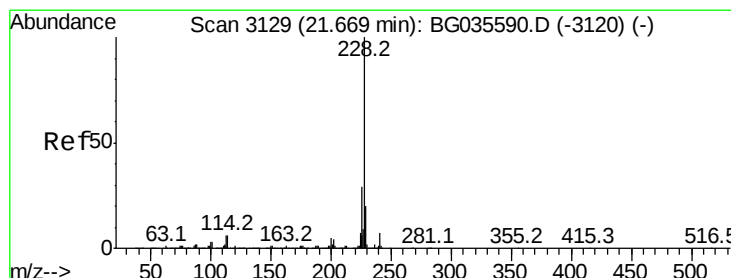
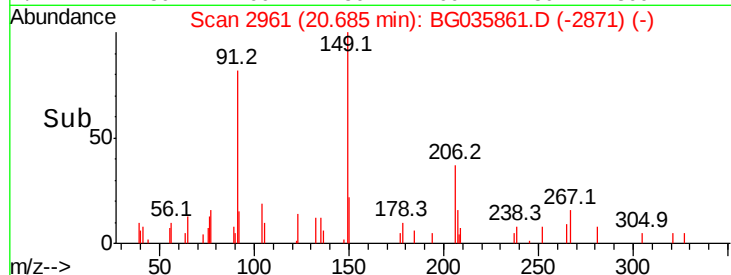
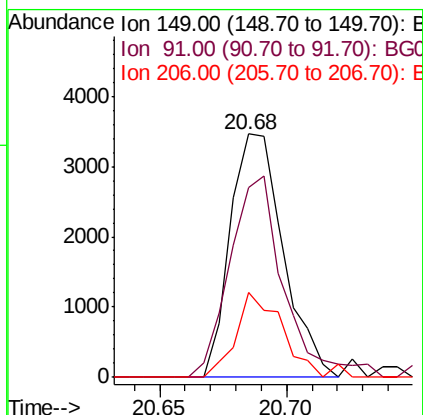
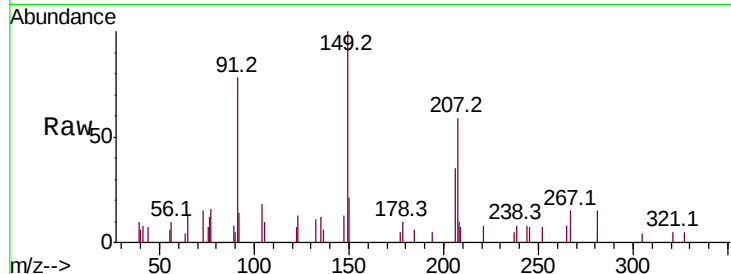




#79
Butylbenzylphthalate
Concen: 0.730 ng
RT: 20.68 min Scan# 2961
Delta R.T. -0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

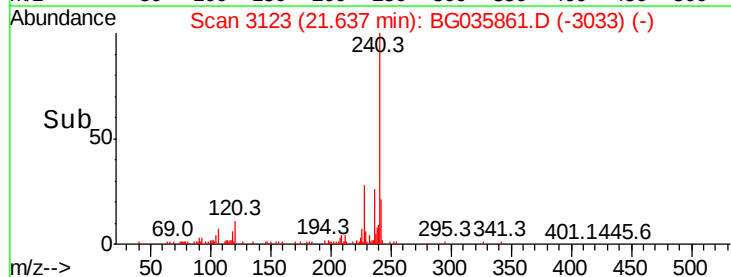
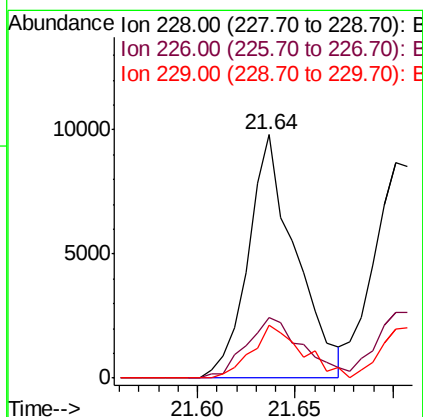
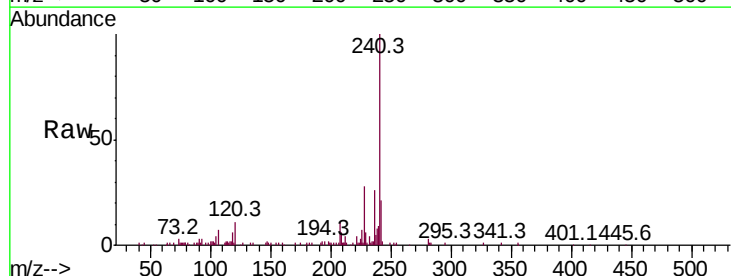
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2018

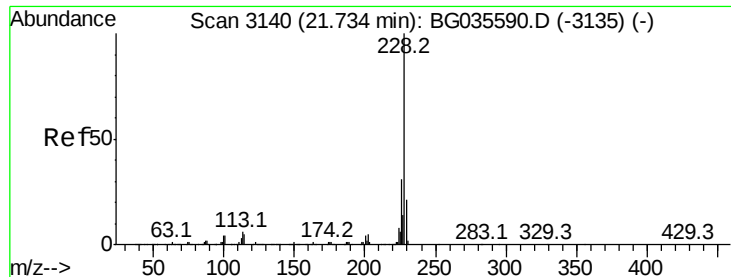
Tot Ion:149 Resp: 5040
Ion Ratio Lower Upper
149 100
91 78.0 62.2 93.2
206 34.7 18.6 27.8#



#80
Benzo(a)anthracene
Concen: 0.867 ng
RT: 21.64 min Scan# 3123
Delta R.T. -0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion:228 Resp: 16495
Ion Ratio Lower Upper
228 100
226 25.0 22.7 34.1
229 22.0 16.2 24.2

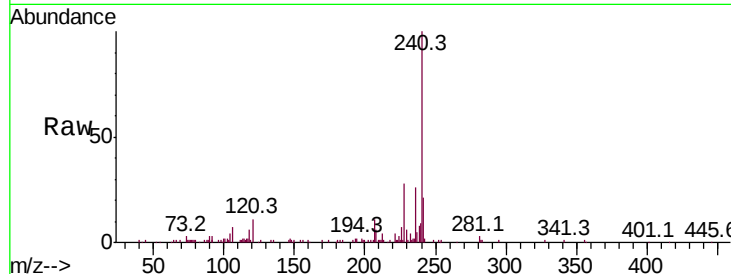




#82
Chrysene
Concen: 0.936 ng
RT: 21.64 min Scan# 3123
Delta R.T. -0.07 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.0	24.9	37.3
229	22.0	15.0	22.4

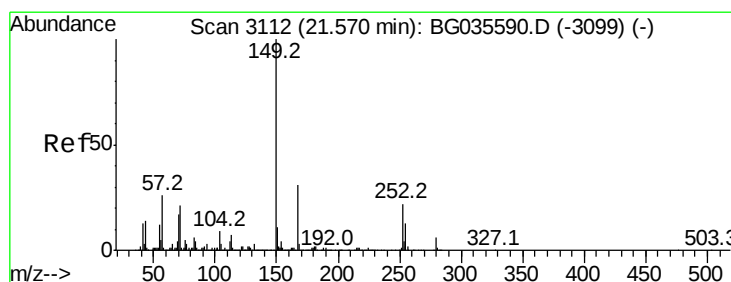
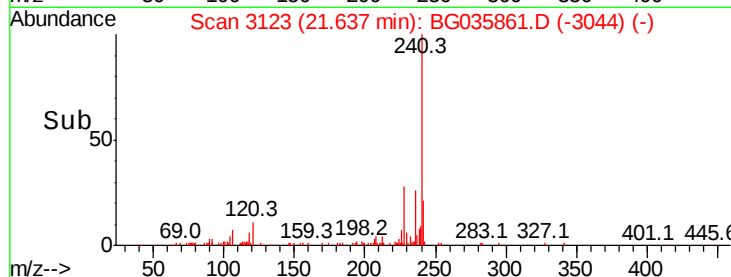
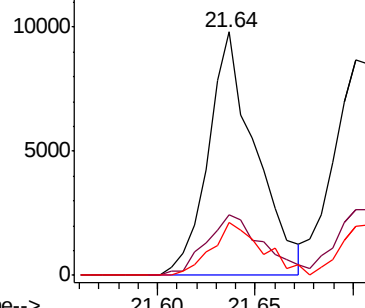


Abundance

Ion 228.00 (227.70 to 228.70): E

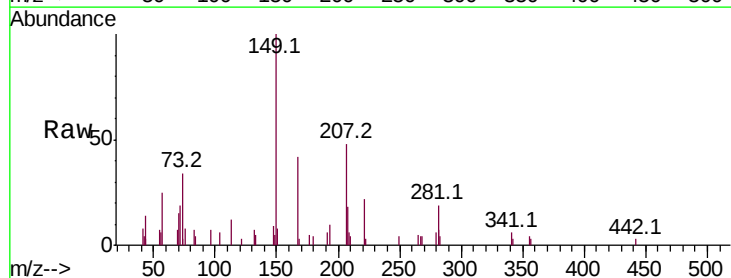
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.814 ng
RT: 21.54 min Scan# 3107
Delta R.T. 0.00 min
Lab File: BG035861.D
Acq: 25 Jul 2018 00:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	42.5	24.3	36.5#
279	5.7	4.0	6.0

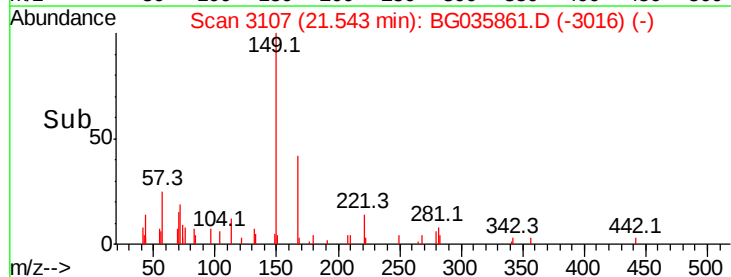
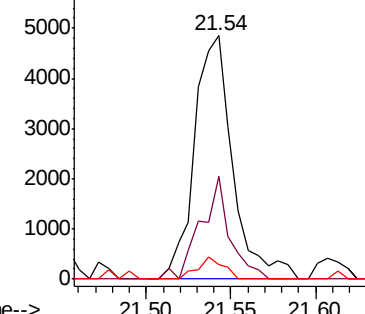


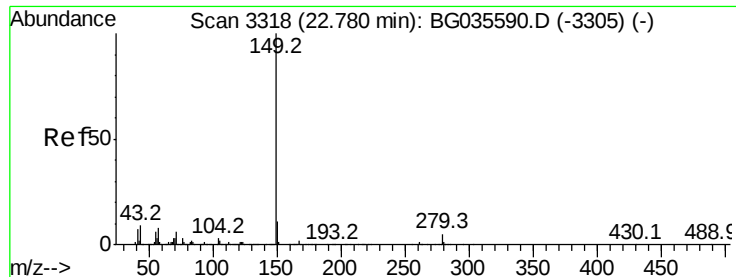
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.771 ng

RT: 22.74 min Scan# 3310

Delta R.T. -0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

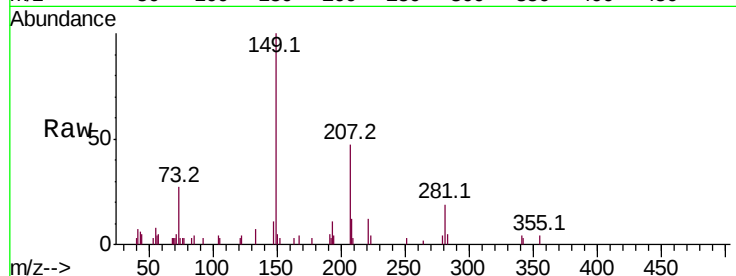
Tot Ion:149 Resp: 12117

Ion Ratio Lower Upper

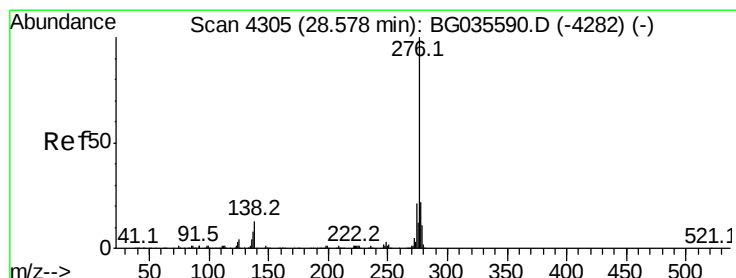
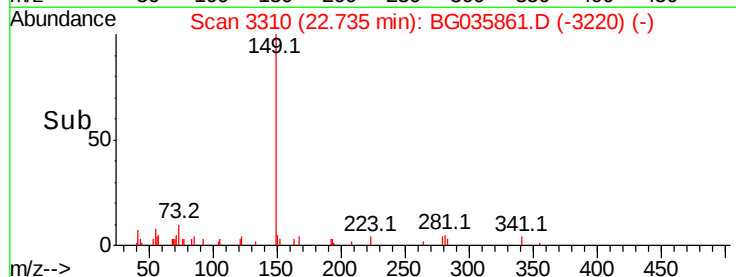
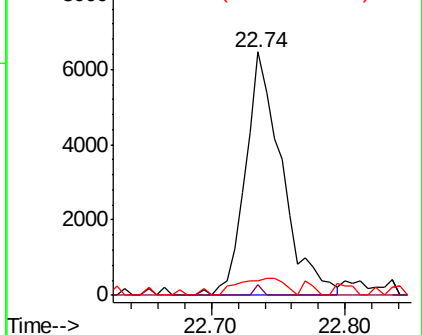
149 100

167 0.8 1.4 2.0#

43 9.1 8.9 13.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.147 ng

RT: 28.51 min Scan# 4293

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

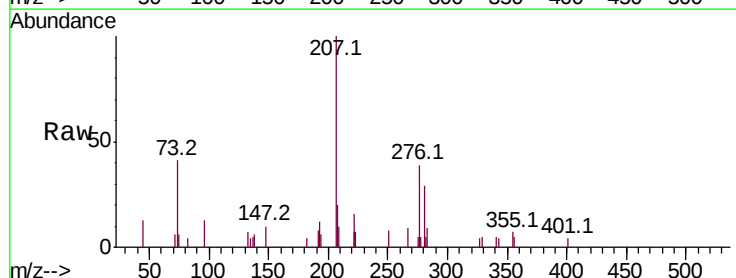
Tgt Ion:276 Resp: 2865

Ion Ratio Lower Upper

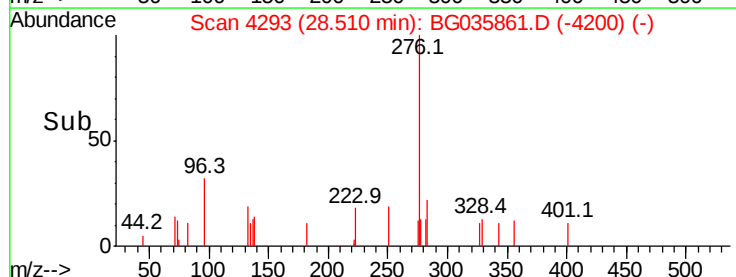
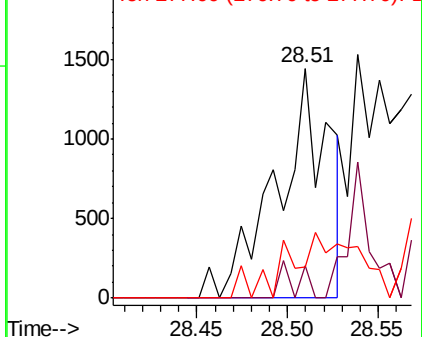
276 100

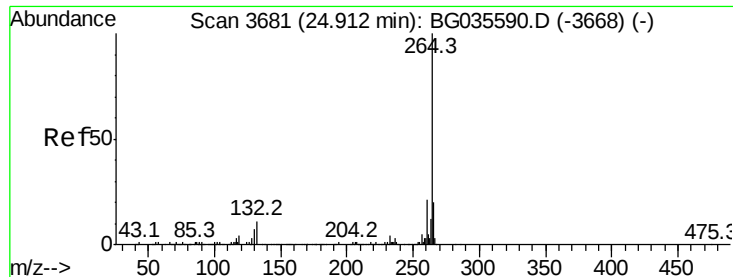
138 5.4 16.0 24.0#

277 36.5 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

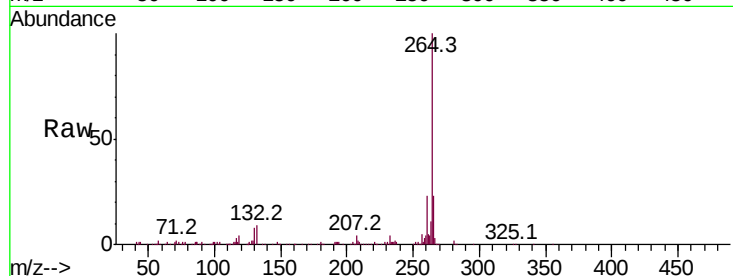
Tot Ion:264 Resp: 261573

Ion Ratio Lower Upper

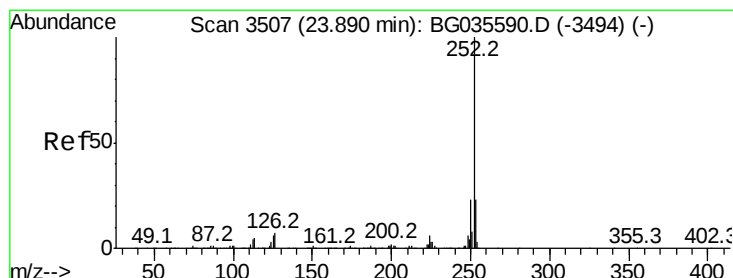
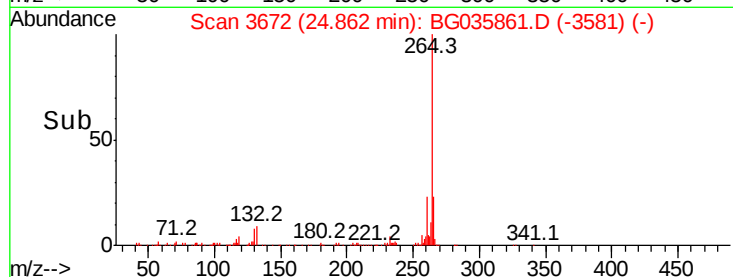
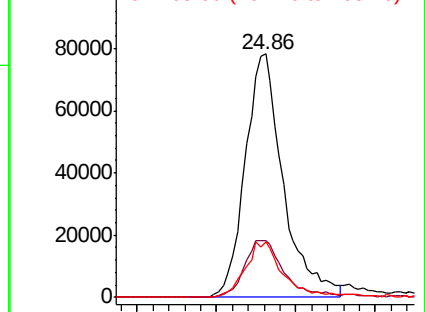
264 100

260 23.4 17.4 26.0

265 22.8 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



#87

Benzo(b)fluoranthene

Concen: 0.941 ng

RT: 23.85 min Scan# 3499

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

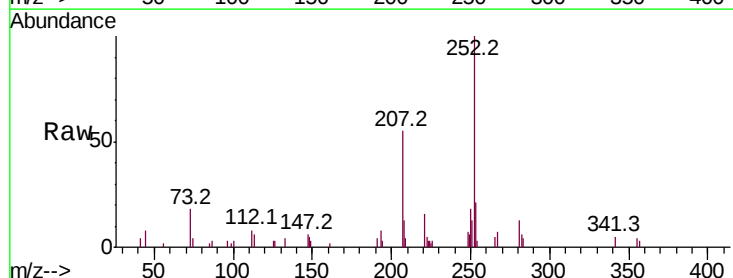
Tgt Ion:252 Resp: 14968

Ion Ratio Lower Upper

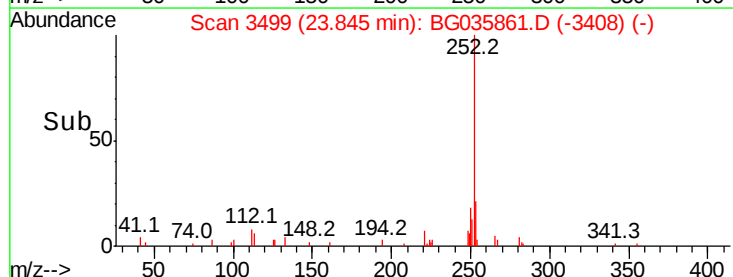
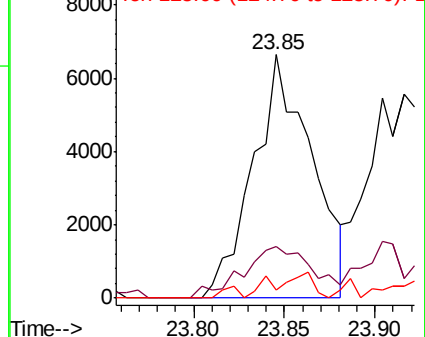
252 100

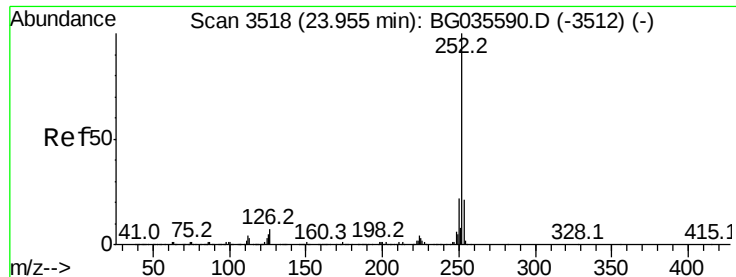
253 21.0 18.2 27.4

125 3.1 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 1.035 ng

RT: 23.92 min Scan# 3511

Delta R.T. 0.00 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

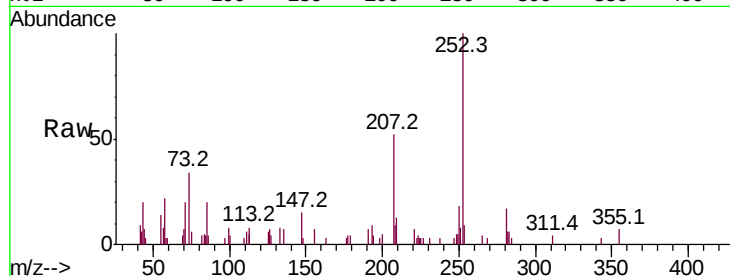
Tot Ion:252 Resp: 16090

Ion Ratio Lower Upper

252 100

253 9.4 17.4 26.2#

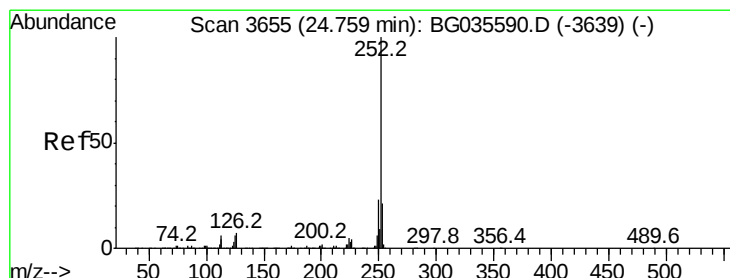
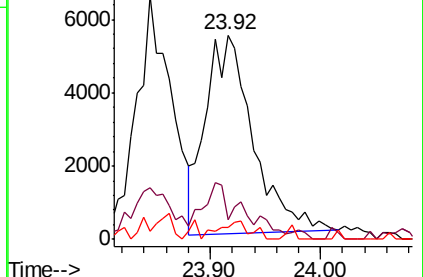
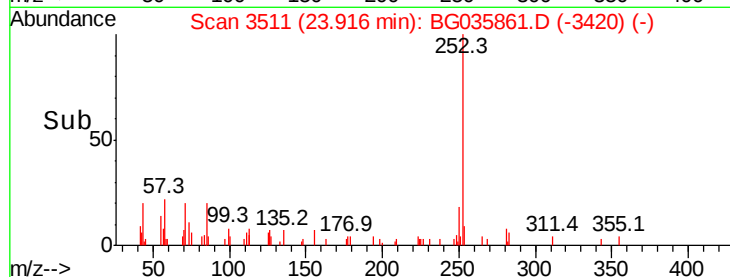
125 6.1 6.6 9.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 0.932 ng

RT: 24.71 min Scan# 3647

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

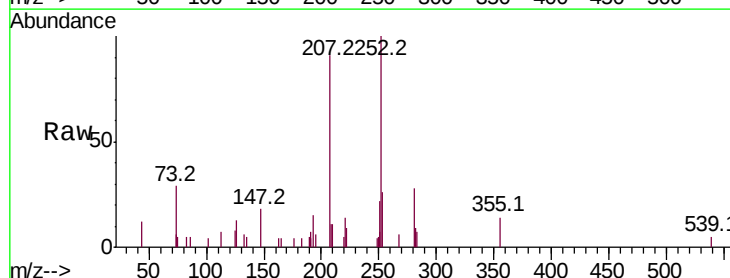
Tgt Ion:252 Resp: 13791

Ion Ratio Lower Upper

252 100

253 26.0 18.3 27.5

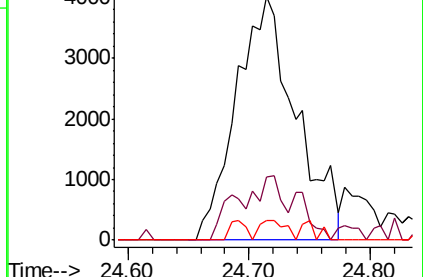
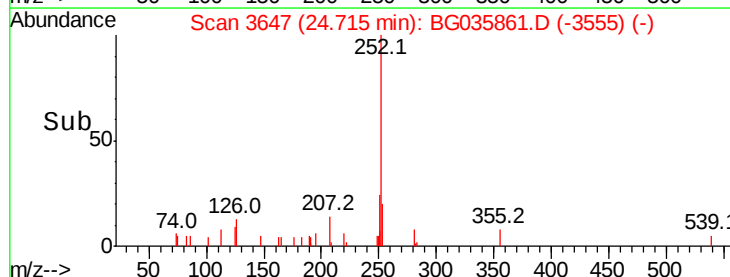
125 8.2 7.3 10.9

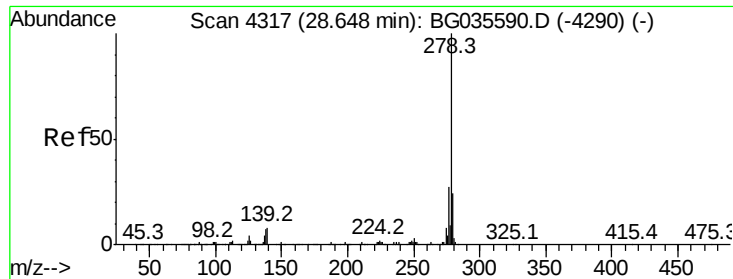


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.037 ng

RT: 28.57 min Scan# 4304

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT3-2018

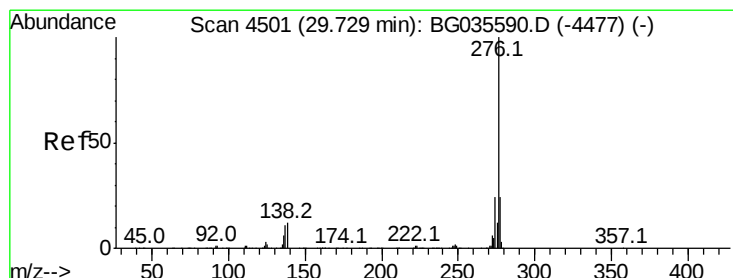
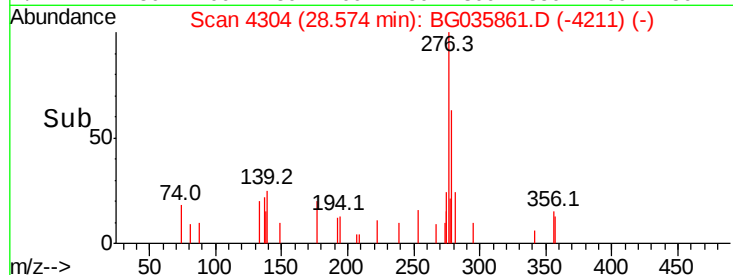
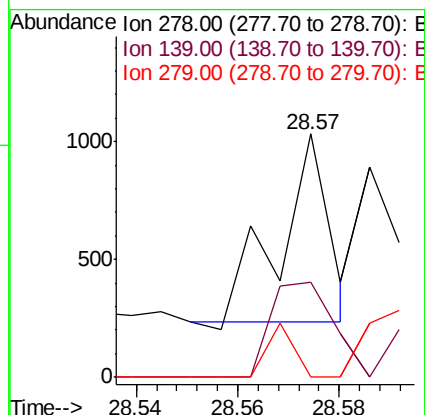
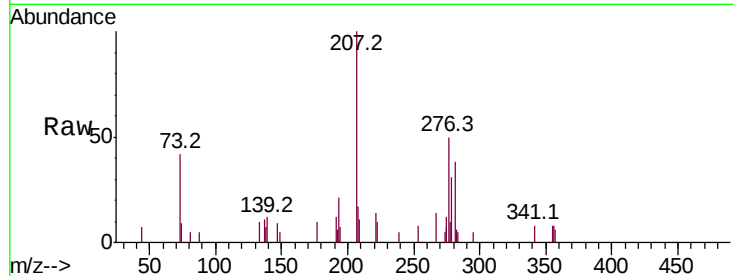
Tot Ion:278 Resp: 533

Ion Ratio Lower Upper

278 100

139 38.8 9.8 14.6#

279 0.0 18.4 27.6#



#91

Benzo(g,h,i)perylene

Concen: 0.340 ng

RT: 29.65 min Scan# 4487

Delta R.T. 0.01 min

Lab File: BG035861.D

Acq: 25 Jul 2018 00:30

Tgt Ion:276 Resp: 4831

Ion Ratio Lower Upper

276 100

277 19.5 18.3 27.5

138 21.6 13.9 20.9#

