

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG122118\  
 Data File : BG038795.D  
 Acq On : 21 Dec 2018 20:46  
 Operator : JU/SJ  
 Sample : J6496-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WATER-1

Quant Time: Dec 22 01:14:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 28100    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.88 | 136  | 116981   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 79622    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.45 | 188  | 170079   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.73 | 240  | 163200   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.04 | 264  | 182223   | 20.00 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 100738   | 63.59  | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 88680    | 40.77  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 196751   | 85.92  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 171146   | 155.97 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 526846   | 90.77  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.05 | 244  | 746873   | 99.60  | ng    | 0.00     |

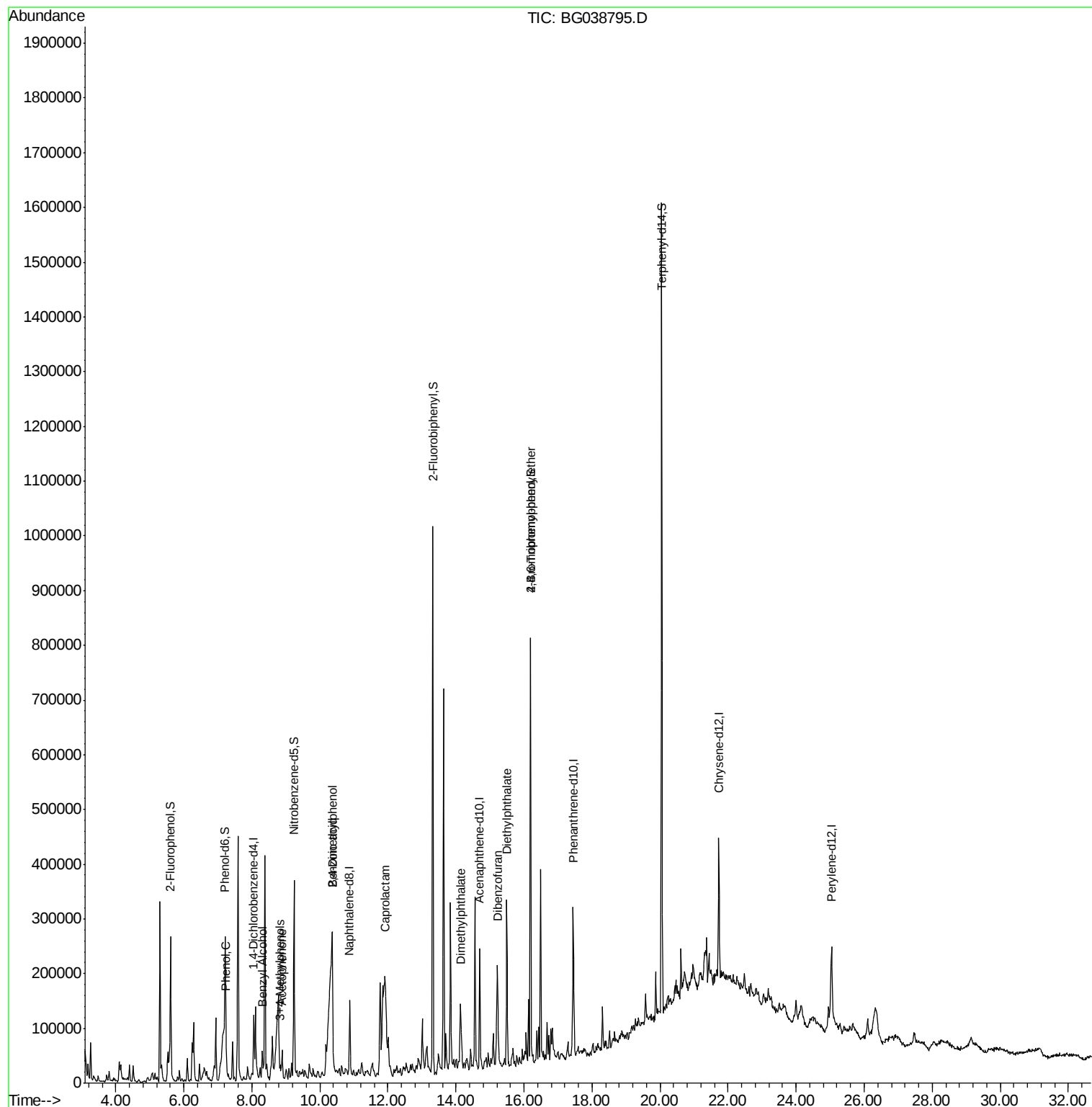
| Target Compounds              | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|-------|------|----------|---------|-------|--------|
| 10) Phenol                    | 7.25  | 94   | 16316    | 7.061   | ng    | 92     |
| 15) Benzyl Alcohol            | 8.31  | 79   | 12150    | 7.157   | ng    | 94     |
| 20) 3+4-Methylphenols         | 8.83  | 107  | 6462     | 3.022   | ng    | 92     |
| 22) Acetophenone              | 8.89  | 105  | 21254    | 7.274   | ng    | # 100  |
| 27) 2,4-Dimethylphenol        | 10.37 | 122  | 203308   | 119.651 | ng    | # 1    |
| 32) Benzoic acid              | 10.37 | 122  | 203308   | 158.649 | ng    | 92     |
| 35) Caprolactam               | 11.92 | 113  | 73320    | 93.725  | ng    | 97     |
| 50) Dimethylphthalate         | 14.14 | 163  | 17124    | 2.634   | ng    | 99     |
| 55) Dibenzofuran              | 15.22 | 168  | 110241   | 13.953  | ng    | # 49   |
| 60) Diethylphthalate          | 15.49 | 149  | 105665   | 14.803  | ng    | 97     |
| 67) 4-Bromophenyl-phenylether | 16.19 | 248  | 11168    | 5.377   | ng    | # 1    |

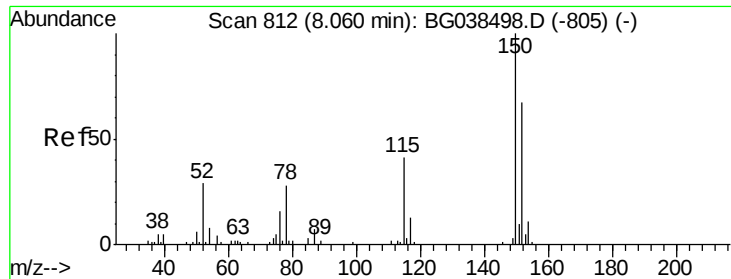
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 15:26:27 2018  
Response via : Initial Calibration



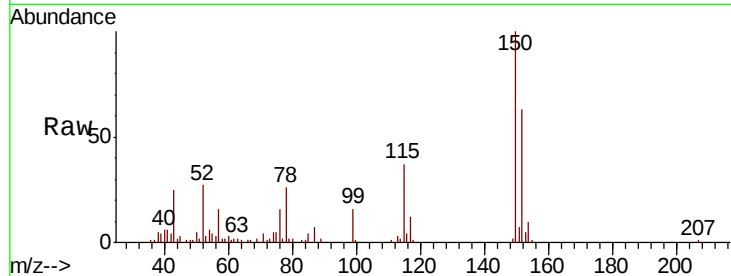


#1

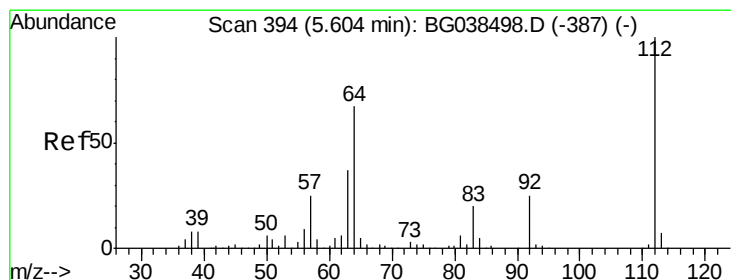
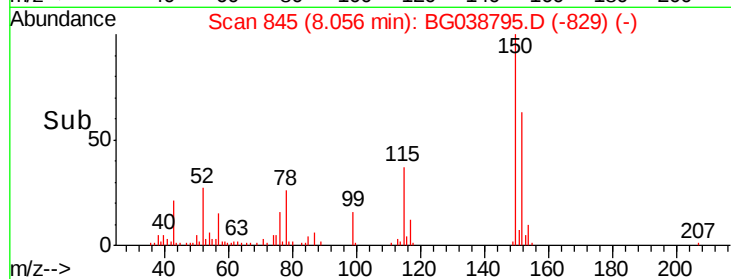
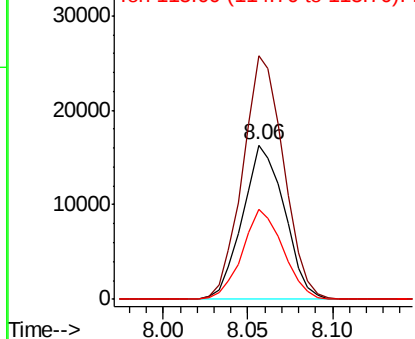
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 845  
Delta R.T. -0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Instrument :  
BNA\_G  
ClientSampleId :  
WATER-1

Tgt Ion:152 Resp: 28100  
Ion Ratio Lower Upper  
152 100  
150 158.1 119.5 179.3  
115 58.5 49.6 74.4



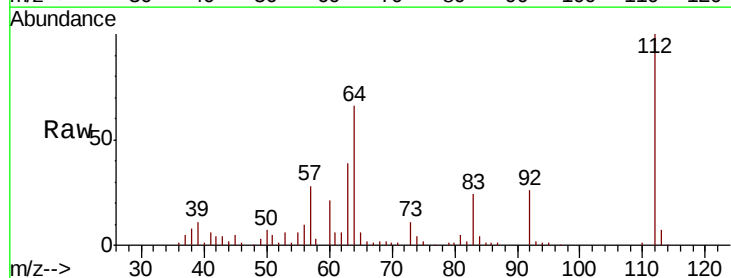
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



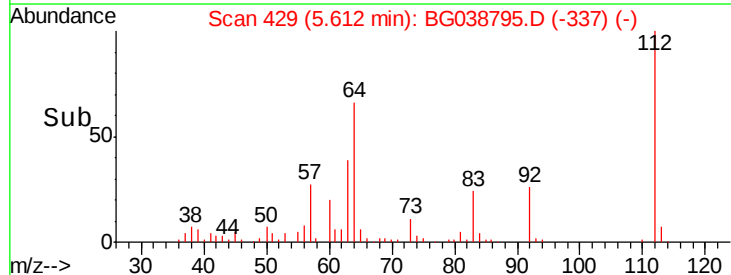
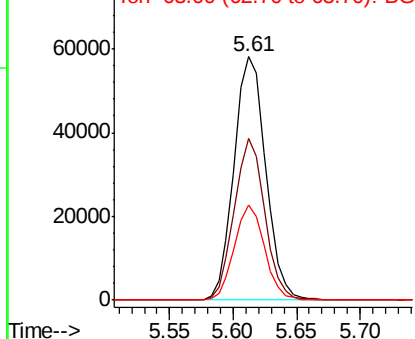
#5

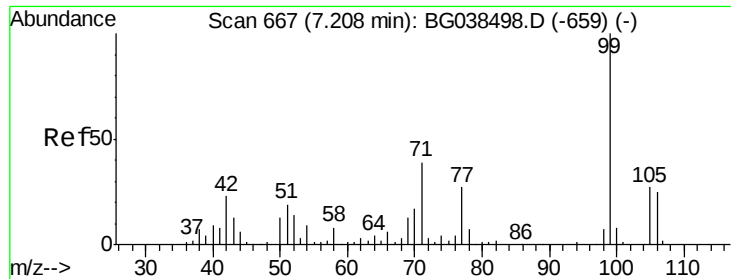
2-Fluorophenol  
Concen: 63.585 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.01 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Tgt Ion:112 Resp: 100738  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.4 80.2  
63 39.0 29.3 43.9



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





#7

Phenol-d6

Concen: 40.774 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038795.D

Acq: 21 Dec 2018 20:46

Instrument :

BNA\_G

ClientSampleId :

WATER-1

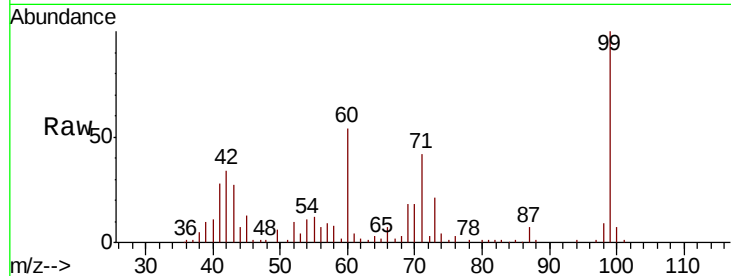
Tgt Ion: 99 Resp: 88680

Ion Ratio Lower Upper

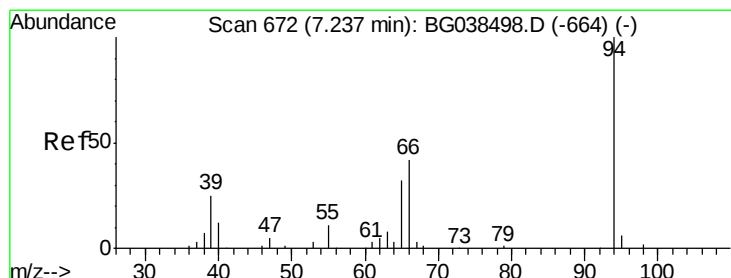
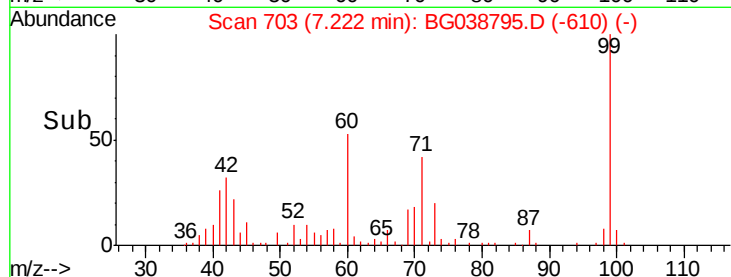
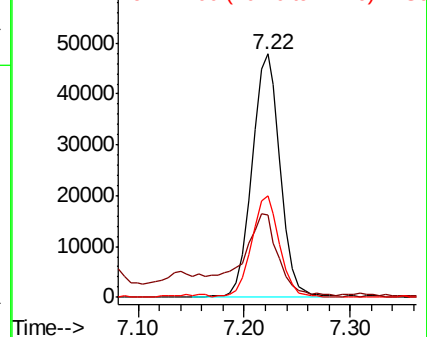
99 100

42 33.6 18.5 27.7#

71 41.7 31.1 46.7



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



#10

Phenol

Concen: 7.061 ng

RT: 7.25 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038795.D

Acq: 21 Dec 2018 20:46

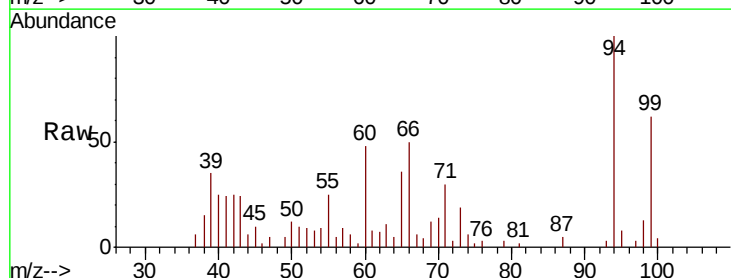
Tgt Ion: 94 Resp: 16316

Ion Ratio Lower Upper

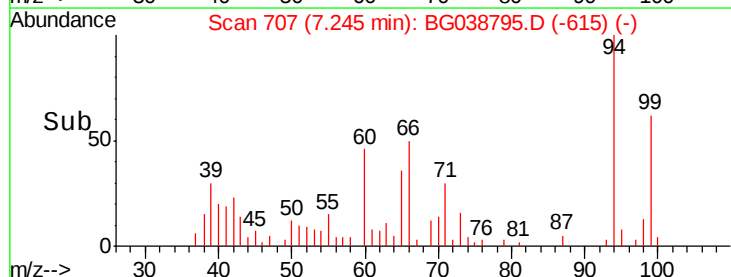
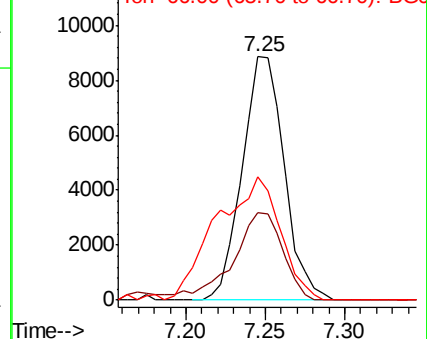
94 100

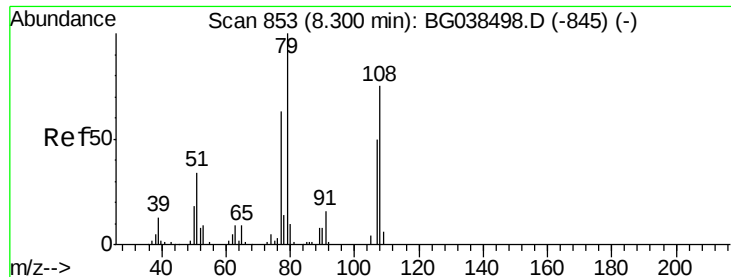
65 35.8 12.6 52.6

66 50.5 24.1 64.1



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





#15

Benzyl Alcohol

Concen: 7.157 ng

RT: 8.31 min Scan# 888

Delta R.T. 0.01 min

Lab File: BG038795.D

Acq: 21 Dec 2018 20:46

Instrument :

BNA\_G

ClientSampleId :

WATER-1

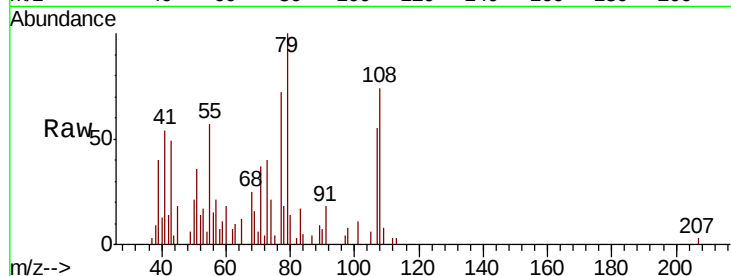
Tgt Ion: 79 Resp: 12150

Ion Ratio Lower Upper

79 100

108 74.3 60.2 90.4

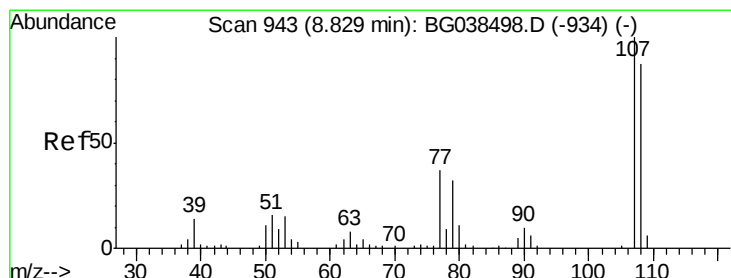
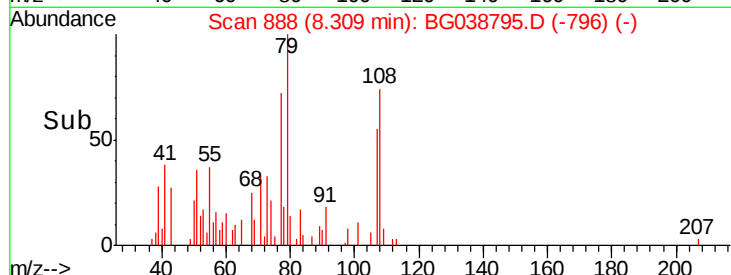
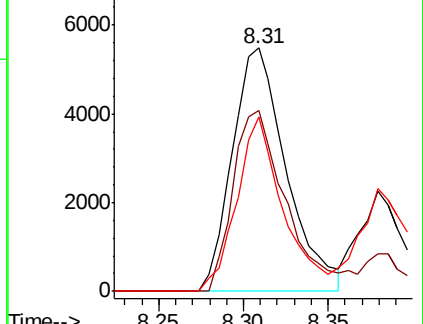
77 71.8 50.7 76.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#20

3+4-Methylphenols

Concen: 3.022 ng

RT: 8.83 min Scan# 977

Delta R.T. 0.00 min

Lab File: BG038795.D

Acq: 21 Dec 2018 20:46

Tgt Ion: 107 Resp: 6462

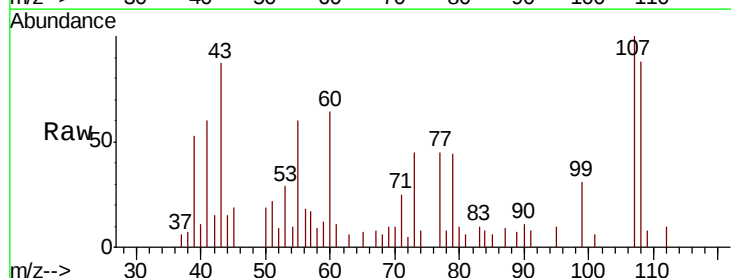
Ion Ratio Lower Upper

107 100

108 88.3 66.7 106.7

77 44.6 17.3 57.3

79 43.9 12.3 52.3

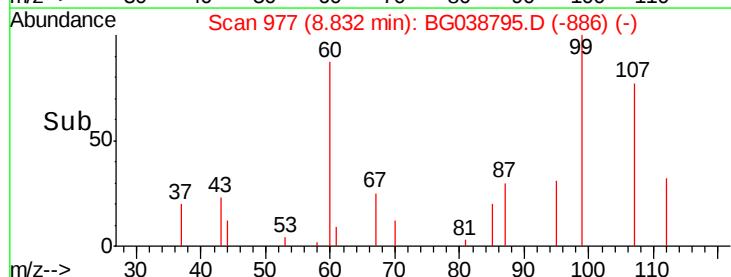
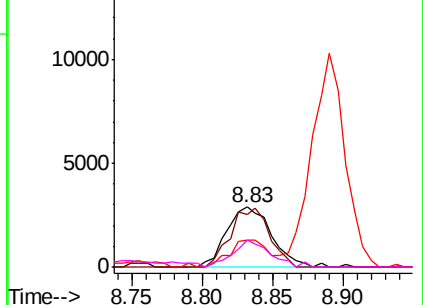


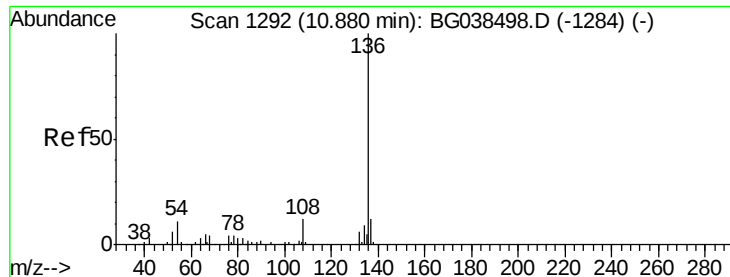
Abundance Ion 107.00 (106.70 to 107.70): BGC

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

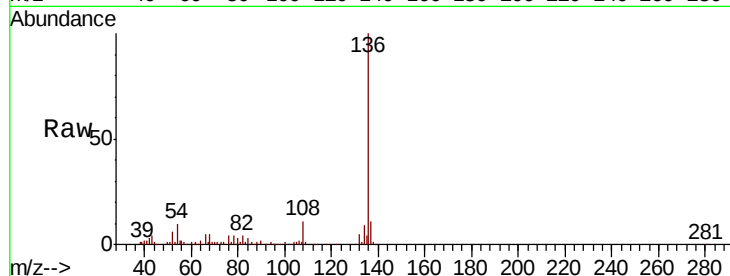




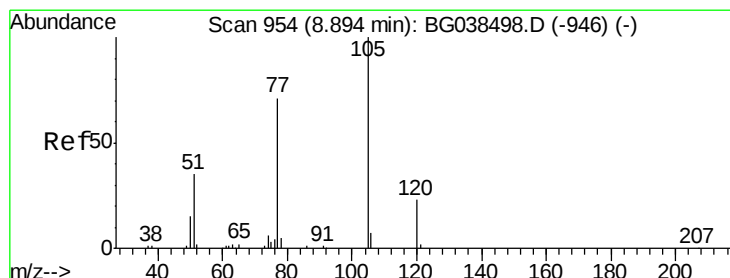
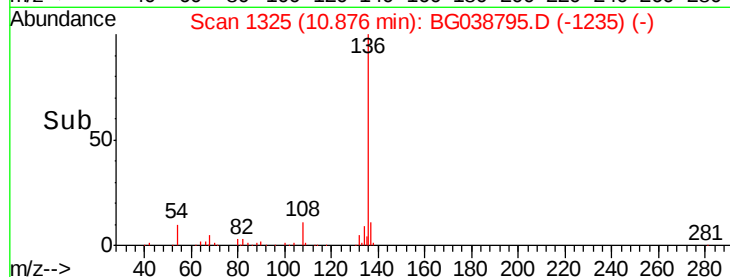
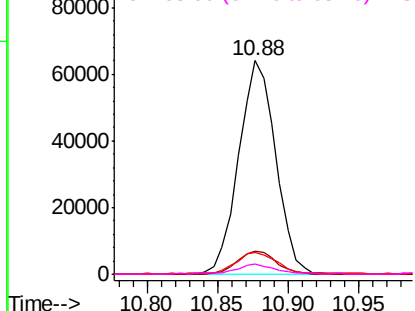
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.88 min Scan# 1325  
Delta R.T. -0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Instrument :  
BNA\_G  
ClientSampleId :  
WATER-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 116981 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.3   | 13.9   |
| 54       | 10.3  | 8.5   | 12.7   |
| 68       | 4.9   | 3.5   | 5.3    |

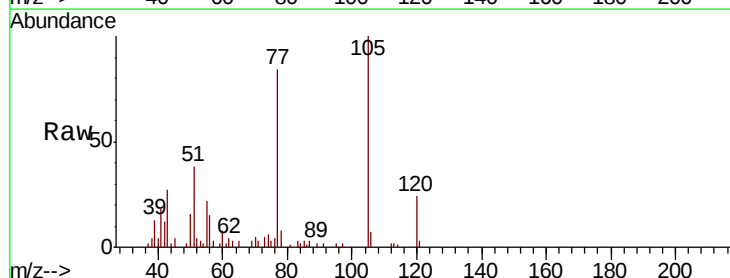


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

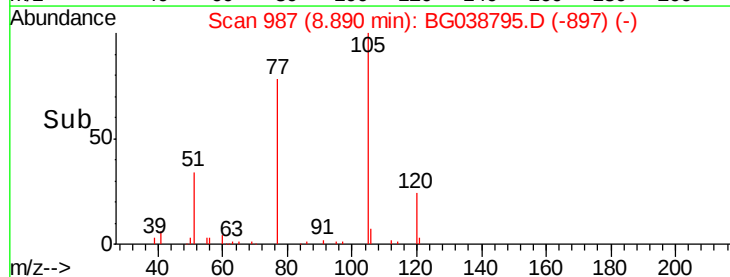
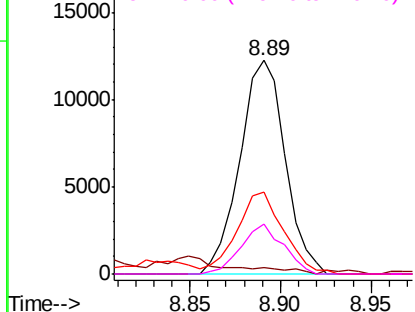


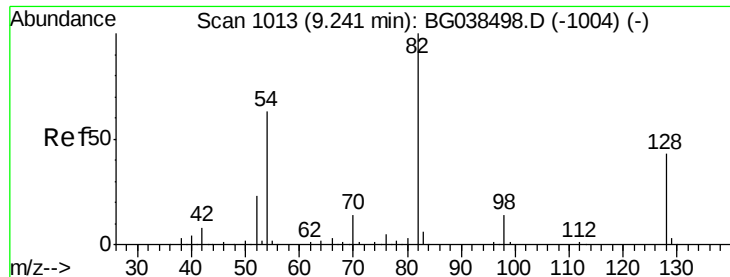
#22  
Acetophenone  
Concen: 7.274 ng  
RT: 8.89 min Scan# 987  
Delta R.T. -0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 21254 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 2.9   | 0.4   | 0.6#  |
| 51       | 38.1  | 30.6  | 46.0  |
| 120      | 23.5  | 18.6  | 28.0  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E

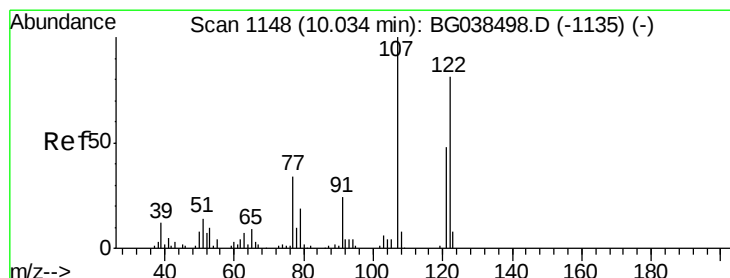
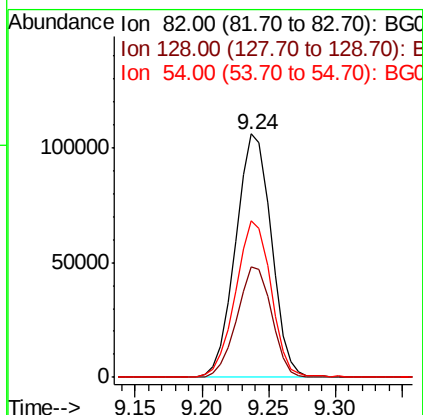
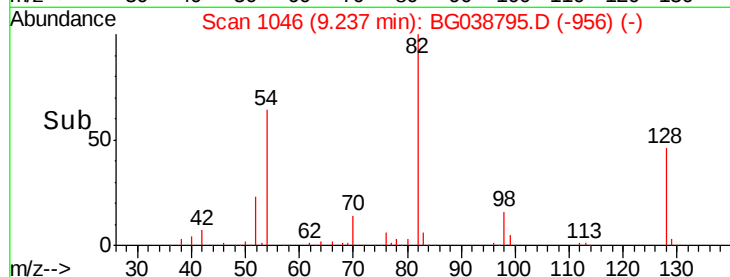
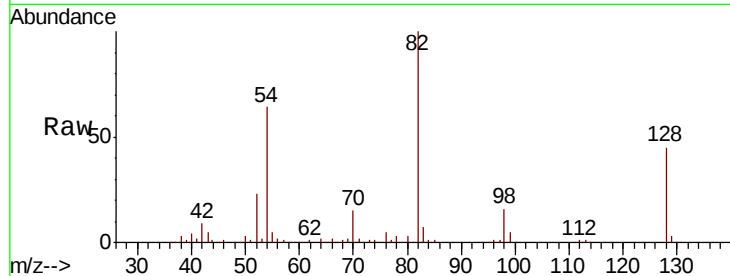




#23  
 Nitrobenzene-d5  
 Concen: 85.924 ng  
 RT: 9.24 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BG038795.D  
 Acq: 21 Dec 2018 20:46

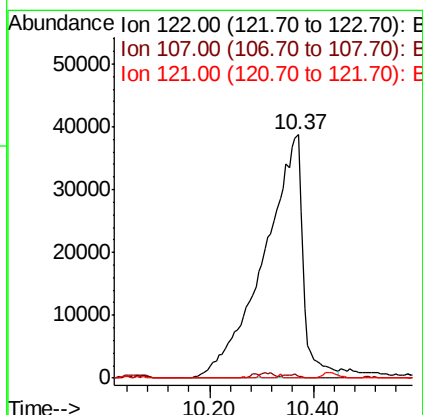
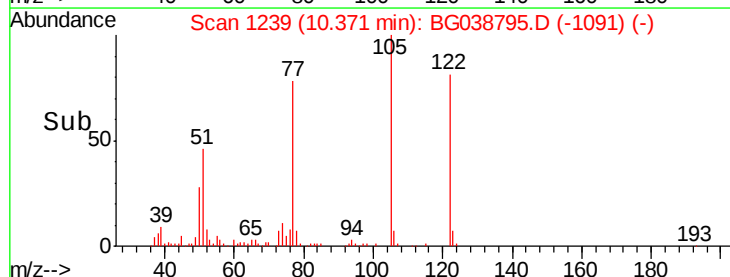
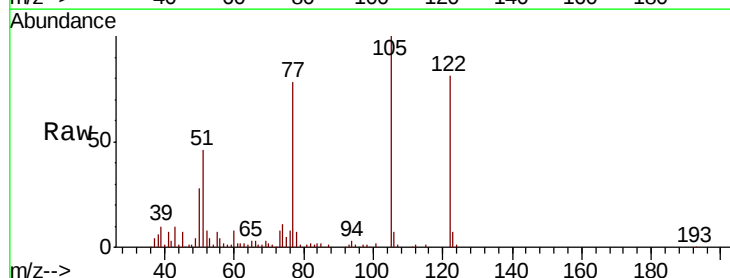
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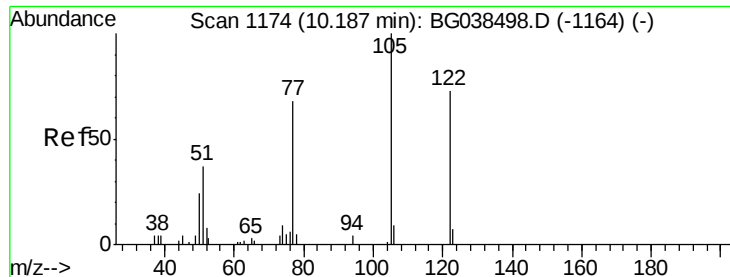
Tgt Ion: 82 Resp: 196751  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 34.6 52.0  
 54 64.1 50.6 76.0



#27  
 2,4-Dimethylphenol  
 Concen: 119.651 ng  
 RT: 10.37 min Scan# 1239  
 Delta R.T. 0.34 min  
 Lab File: BG038795.D  
 Acq: 21 Dec 2018 20:46

Tgt Ion: 122 Resp: 203308  
 Ion Ratio Lower Upper  
 122 100  
 107 0.7 98.4 147.6#  
 121 0.0 47.2 70.8#

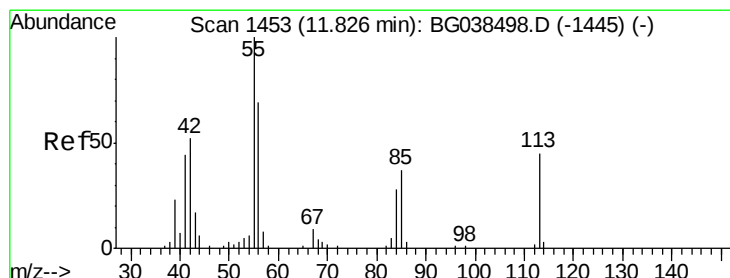
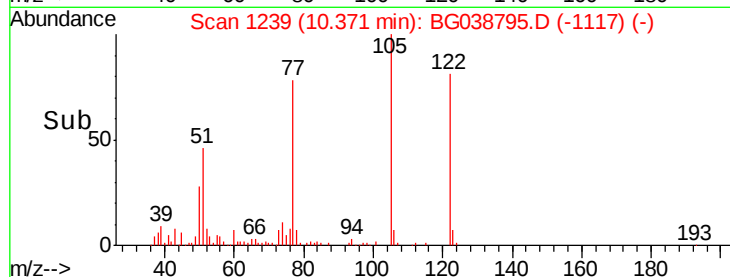
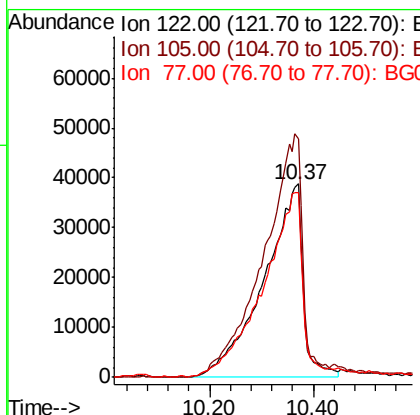
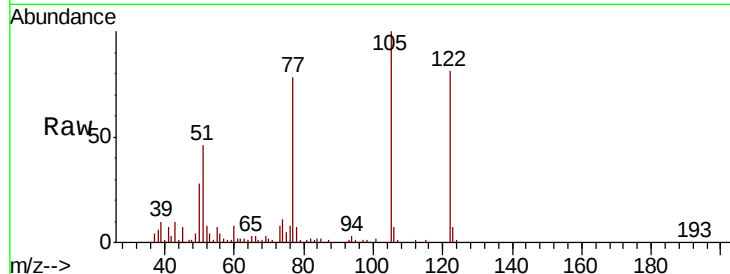




#32  
Benzoic acid  
Concen: 158.649 ng  
RT: 10.37 min Scan# 1239  
Delta R.T. 0.19 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

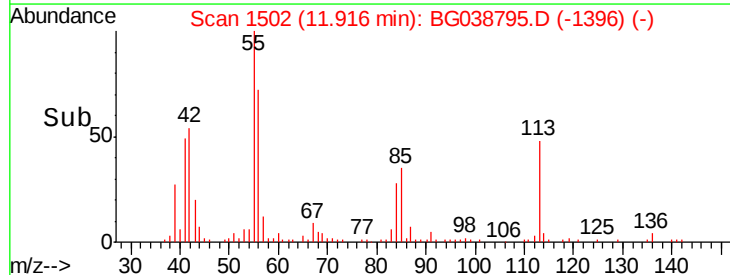
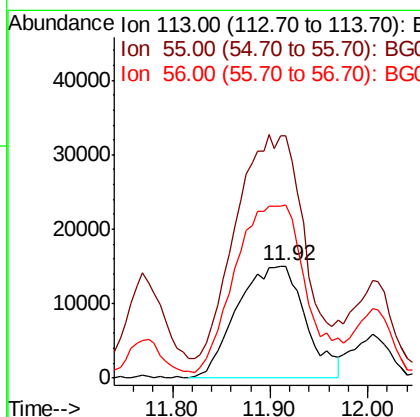
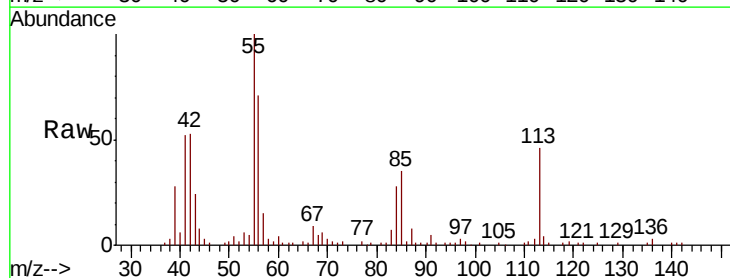
Instrument :  
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ClientSampleId :  
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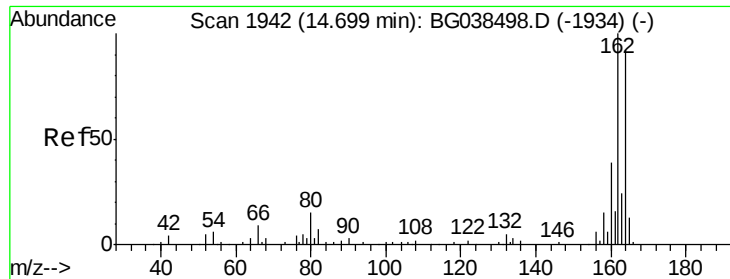
Tgt Ion:122 Resp: 203308  
Ion Ratio Lower Upper  
122 100  
105 123.1 116.7 156.7  
77 95.6 72.5 112.5



#35  
Caprolactam  
Concen: 93.725 ng  
RT: 11.92 min Scan# 1502  
Delta R.T. 0.09 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Tgt Ion:113 Resp: 73320  
Ion Ratio Lower Upper  
113 100  
55 216.1 204.3 244.3  
56 154.0 135.0 175.0

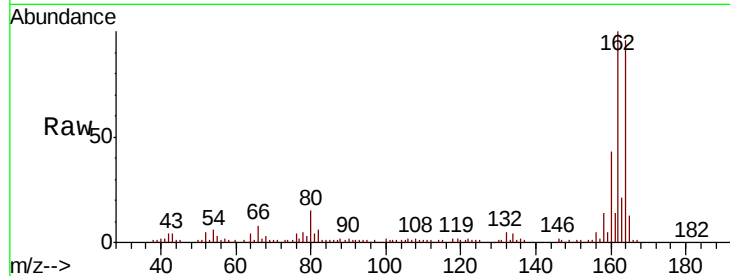




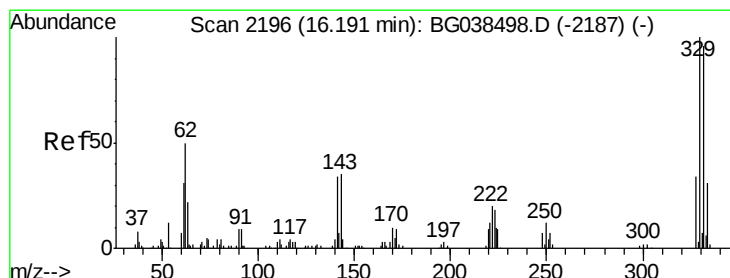
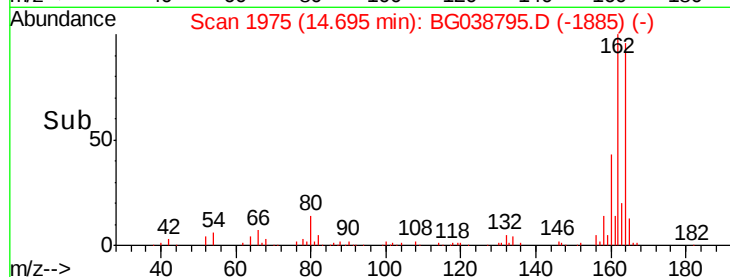
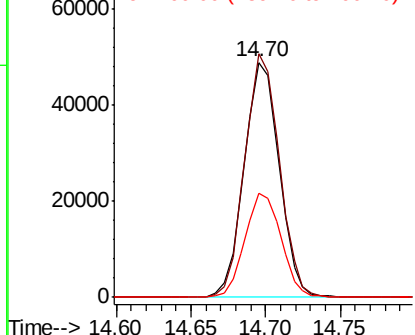
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.70 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Instrument :  
BNA\_G  
ClientSampleId :  
WATER-1

Tgt Ion:164 Resp: 79622  
Ion Ratio Lower Upper  
164 100  
162 103.6 86.6 130.0  
160 44.3 34.2 51.2

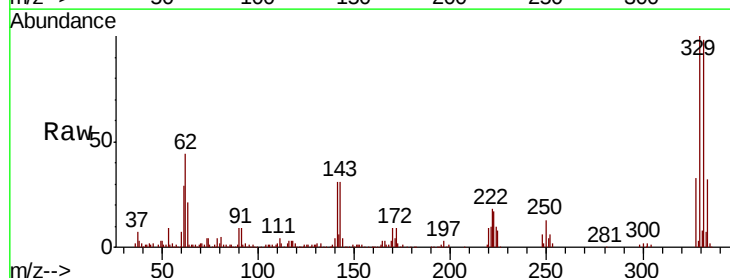


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

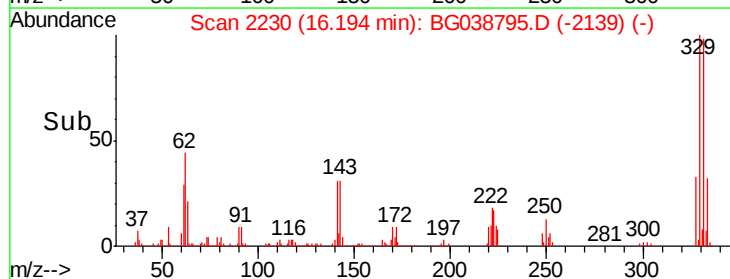
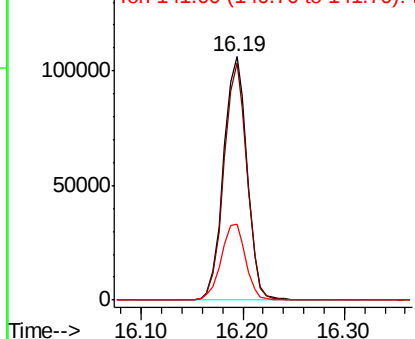


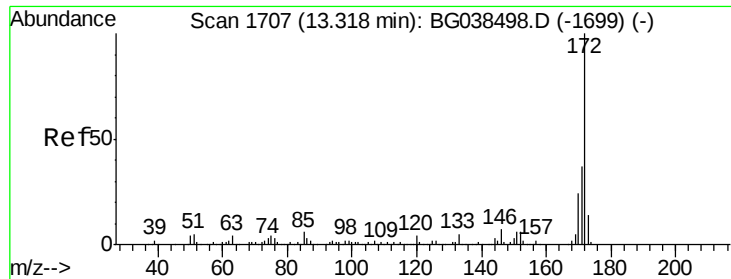
#42  
2,4,6-Tribromophenol  
Concen: 155.965 ng  
RT: 16.19 min Scan# 2230  
Delta R.T. 0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Tgt Ion:330 Resp: 171146  
Ion Ratio Lower Upper  
330 100  
332 95.5 76.9 115.3  
141 32.3 28.8 43.2



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

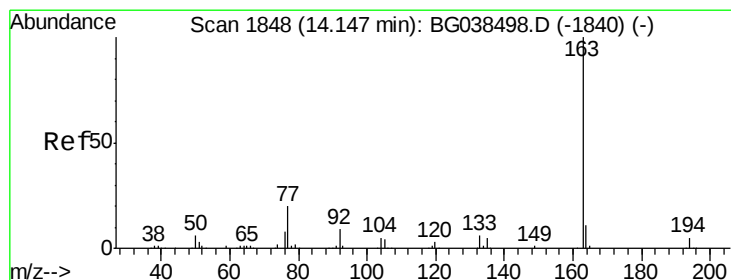
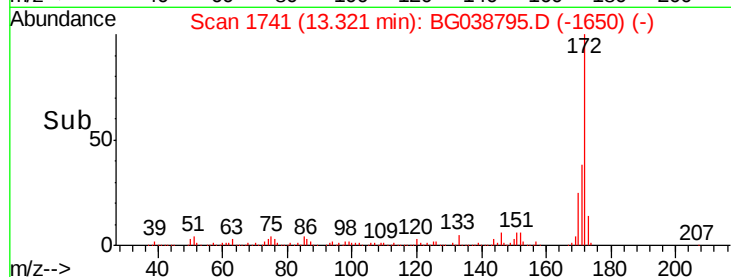
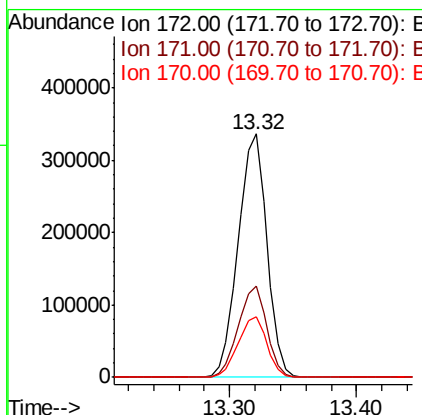
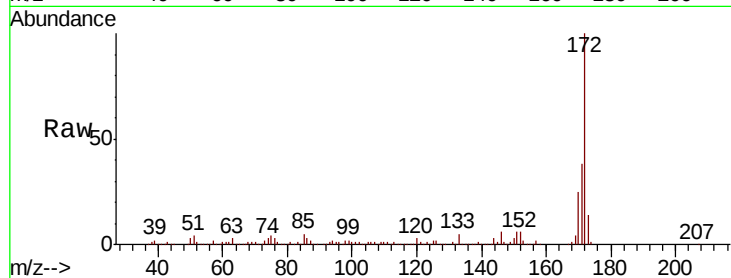




#45  
2-Fluorobiphenyl  
Concen: 90.773 ng  
RT: 13.32 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

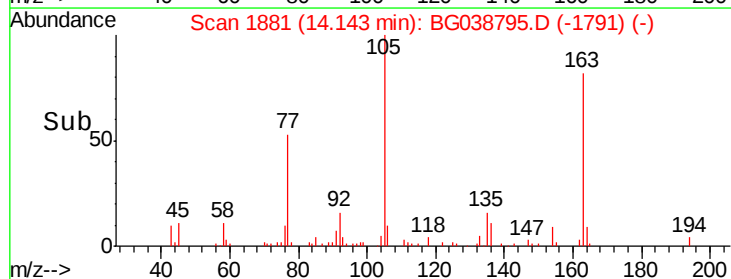
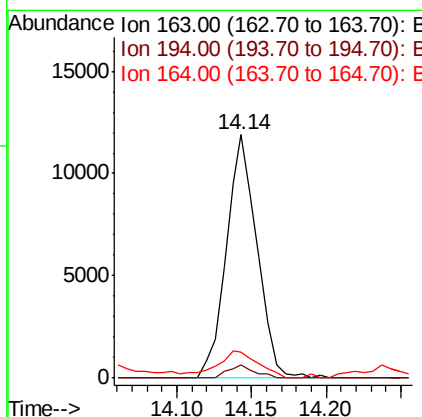
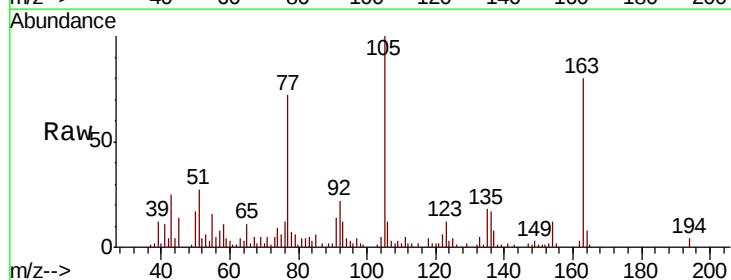
Instrument :  
BNA\_G  
ClientSampleId :  
WATER-1

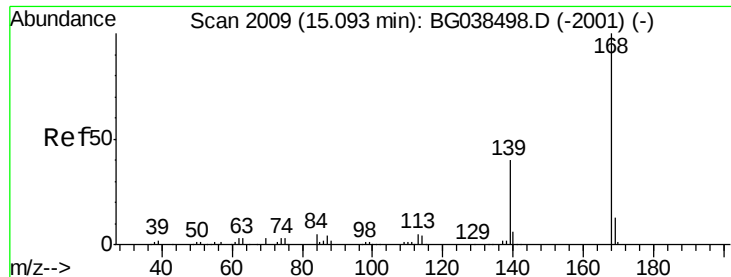
Tgt Ion:172 Resp: 526846  
Ion Ratio Lower Upper  
172 100  
171 37.6 29.8 44.6  
170 24.7 19.5 29.3



#50  
Dimethylphthalate  
Concen: 2.634 ng  
RT: 14.14 min Scan# 1881  
Delta R.T. -0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Tgt Ion:163 Resp: 17124  
Ion Ratio Lower Upper  
163 100  
194 5.4 3.7 5.5  
164 10.5 8.6 12.8

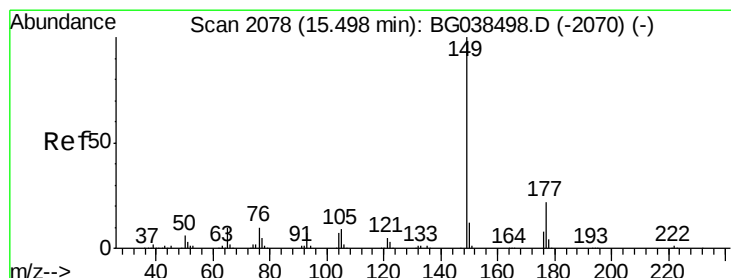
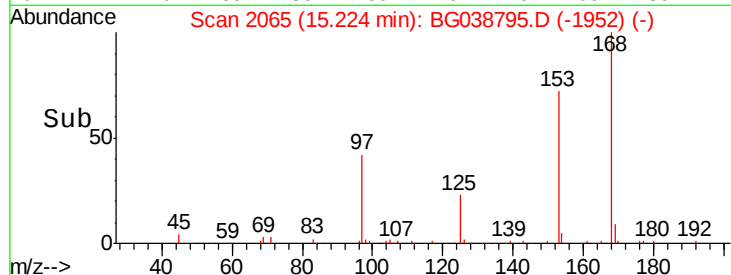
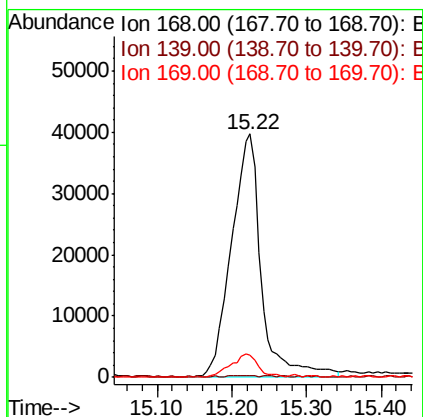
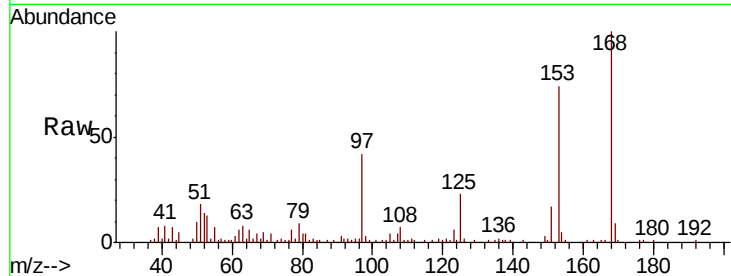




#55  
Dibenzenofuran  
Concen: 13.953 ng  
RT: 15.22 min Scan# 2065  
Delta R.T. 0.13 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

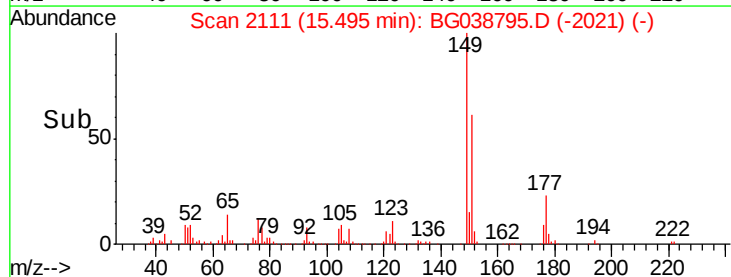
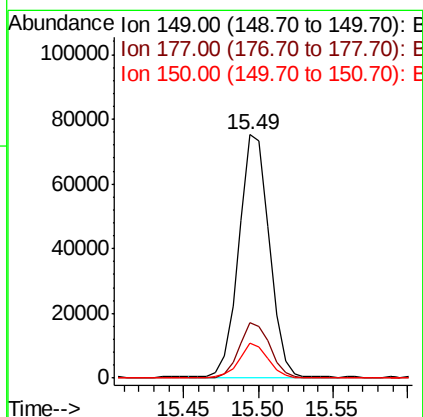
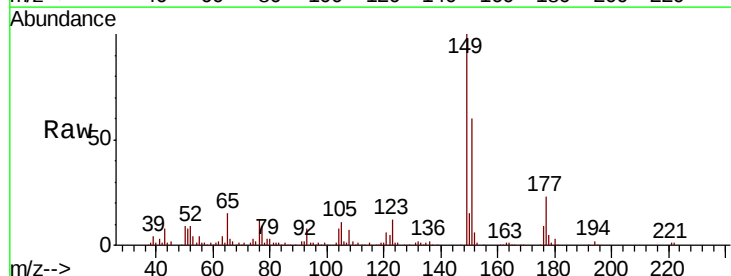
Instrument :  
BNA\_G  
ClientSampled :  
WATER-1

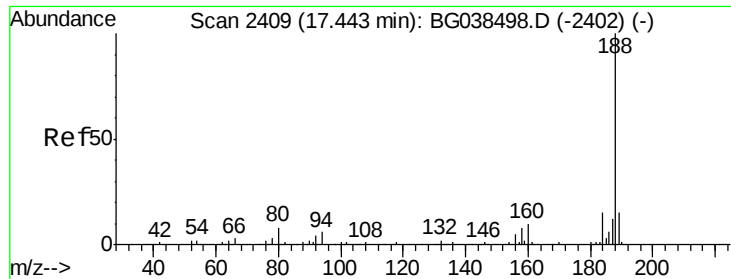
Tgt Ion:168 Resp: 110241  
Ion Ratio Lower Upper  
168 100  
139 0.6 32.2 48.2#  
169 8.9 10.6 16.0#



#60  
Diethylphthalate  
Concen: 14.803 ng  
RT: 15.49 min Scan# 2111  
Delta R.T. -0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Tgt Ion:149 Resp: 105665  
Ion Ratio Lower Upper  
149 100  
177 22.8 17.7 26.5  
150 14.6 9.9 14.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG038795.D

Acq: 21 Dec 2018 20:46

Instrument :

BNA\_G

ClientSampled :

WATER-1

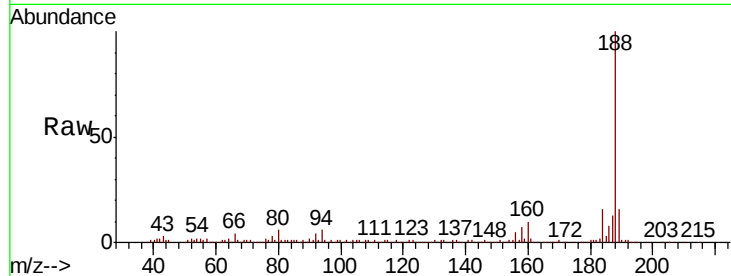
Tgt Ion:188 Resp: 170079

Ion Ratio Lower Upper

188 100

94 5.6 5.1 7.7

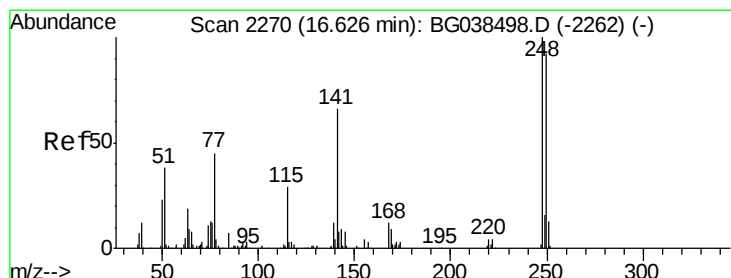
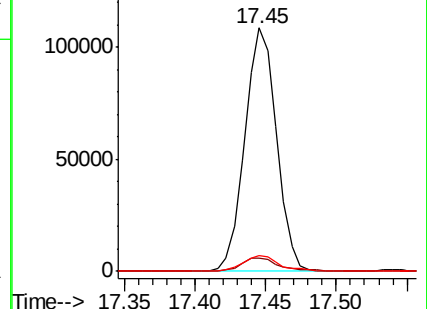
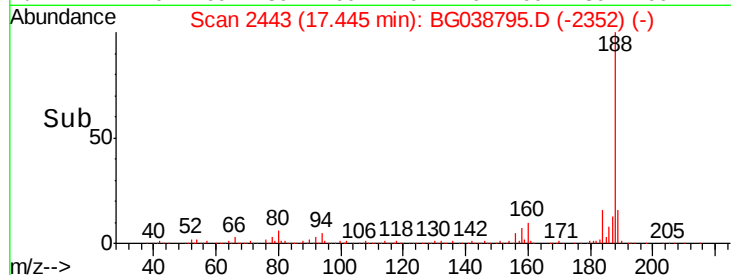
80 6.2 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 5.377 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038795.D

Acq: 21 Dec 2018 20:46

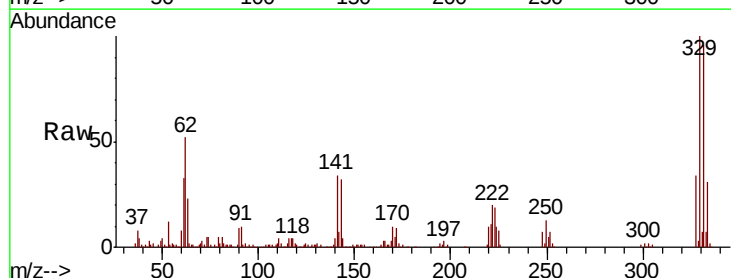
Tgt Ion:248 Resp: 11168

Ion Ratio Lower Upper

248 100

250 187.8 73.4 110.2#

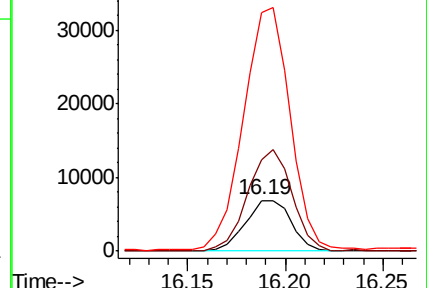
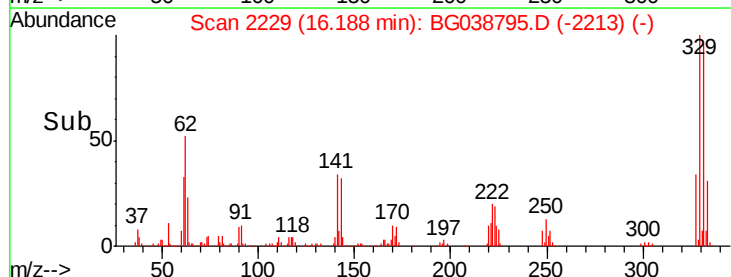
141 364.7 52.9 79.3#

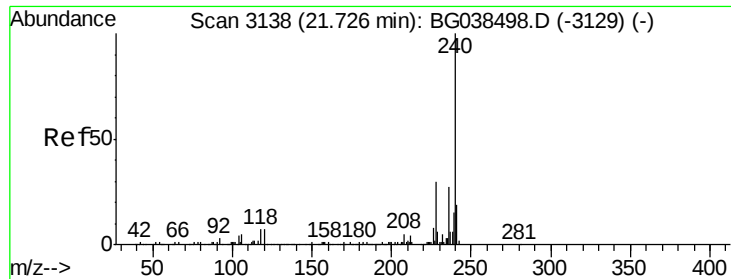


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

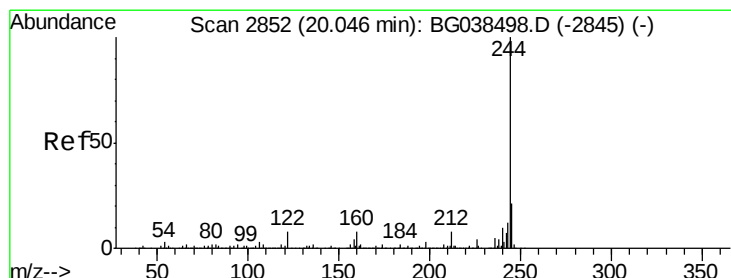
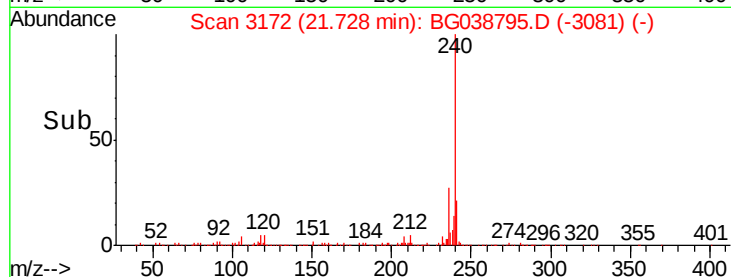
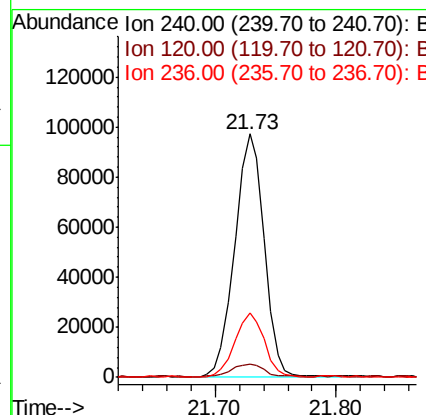
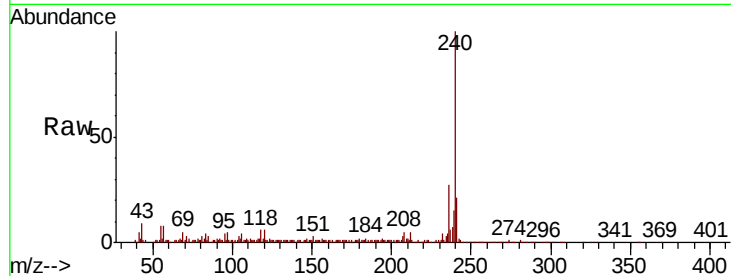




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.73 min Scan# 3172  
Delta R.T. 0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

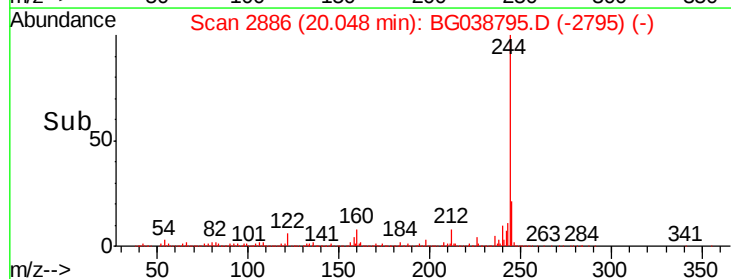
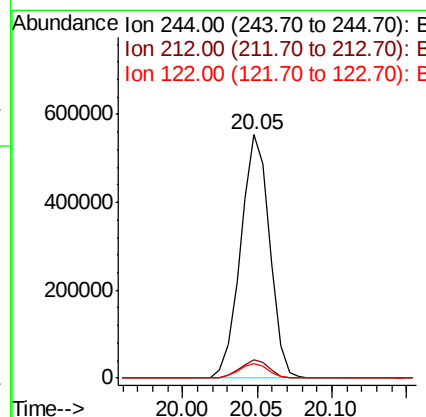
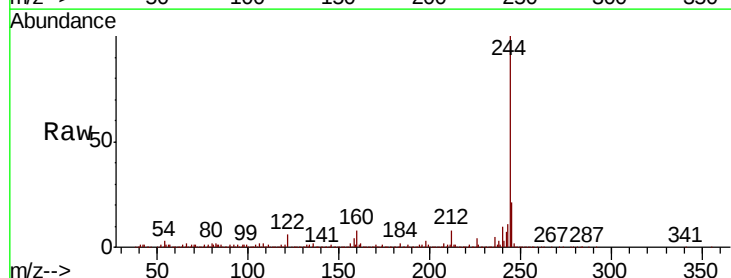
Instrument :  
BNA\_G  
ClientSampleId :  
WATER-1

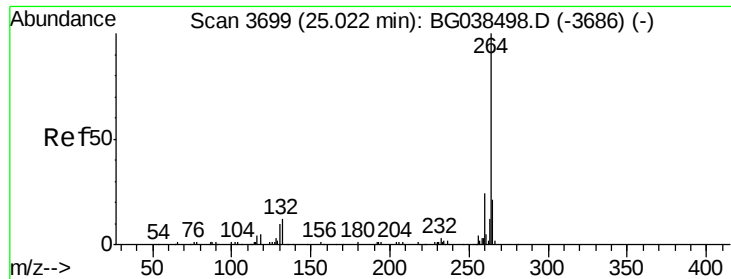
Tgt Ion:240 Resp: 163200  
Ion Ratio Lower Upper  
240 100  
120 5.6 5.3 7.9  
236 26.6 21.4 32.2



#79  
Terphenyl-d14  
Concen: 99.598 ng  
RT: 20.05 min Scan# 2886  
Delta R.T. 0.00 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Tgt Ion:244 Resp: 746873  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.2 9.2  
122 6.0 6.3 9.5#





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.04 min Scan# 3736  
Delta R.T. 0.02 min  
Lab File: BG038795.D  
Acq: 21 Dec 2018 20:46

Instrument :  
BNA\_G  
ClientSampleId :  
WATER-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 182223 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 21.3  | 18.9  | 28.3   |
| 265      | 21.3  | 17.0  | 25.4   |

