

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\  
 Data File : BG037442.D  
 Acq On : 19 Oct 2018 6:27  
 Operator : JU/SJ  
 Sample : J5164-09  
 Misc : MDL 5 PPM  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

Manual Integrations  
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Sohil  
 10/19/2018 3:57:54 PM

Quant Time: Oct 19 09:14:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 50576    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.93 | 136  | 238203   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.74 | 164  | 162086   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 395683   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.77 | 240  | 362178   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.10 | 264  | 364857   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.64  | 112 | 424474  | 140.32 | ng | 0.00 |
| 7) Phenol-d6                | 7.25  | 99  | 622380  | 136.06 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.28  | 82  | 343149  | 80.70  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330 | 238142  | 134.71 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.36 | 172 | 851217  | 79.19  | ng | 0.00 |
| 79) Terphenyl-d14           | 20.09 | 244 | 1294387 | 76.37  | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.53  | 88  | 7442   | 4.851  | ng | 87   |
| 3) Pyridine                    | 3.95  | 79  | 19492  | 5.041  | ng | 89   |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 8419   | 6.113  | ng | # 91 |
| 6) Aniline                     | 7.43  | 93  | 19390  | 3.475  | ng | 96   |
| 8) 2-Chlorophenol              | 7.67  | 128 | 18072  | 5.107  | ng | 98   |
| 9) Benzaldehyde                | 7.25  | 77  | 14076  | 4.919  | ng | 97   |
| 10) Phenol                     | 7.27  | 94  | 24063  | 4.986  | ng | 81   |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 17544  | 4.786  | ng | 94   |
| 12) 1,3-Dichlorobenzene        | 7.99  | 146 | 18881  | 4.792  | ng | 98   |
| 13) 1,4-Dichlorobenzene        | 8.14  | 146 | 19813  | 4.916  | ng | 95   |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 18303  | 4.721  | ng | 92   |
| 15) Benzyl Alcohol             | 8.35  | 79  | 15471  | 4.577  | ng | 93   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 32538  | 4.961  | ng | 99   |
| 17) 2-Methylphenol             | 8.54  | 107 | 16165  | 5.066  | ng | 88   |
| 18) Hexachloroethane           | 9.19  | 117 | 7049   | 5.131  | ng | 95   |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 14662  | 4.655  | ng | 93   |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 21959  | 4.813  | ng | 97   |
| 22) Acetophenone               | 8.93  | 105 | 30453  | 5.098  | ng | # 94 |
| 24) Nitrobenzene               | 9.33  | 77  | 22110  | 5.005  | ng | # 97 |
| 25) Isophorone                 | 9.84  | 82  | 41217  | 5.305  | ng | 97   |
| 26) 2-Nitrophenol              | 10.04 | 139 | 8875   | 4.460  | ng | 98   |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 19485  | 5.484  | ng | 91   |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 25518  | 5.013  | ng | 93   |
| 29) 2,4-Dichlorophenol         | 10.56 | 162 | 18286  | 4.622  | ng | 97   |
| 30) 1,2,4-Trichlorobenzene     | 10.79 | 180 | 19849  | 4.614  | ng | 97   |
| 31) Naphthalene                | 10.98 | 128 | 63134  | 5.396  | ng | 100  |
| 32) Benzoic acid               | 10.12 | 122 | 4674   | 2.025  | ng | 93   |
| 33) 4-Chloroaniline            | 11.08 | 127 | 19333  | 3.517  | ng | 94   |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 11732  | 4.601  | ng | 95   |
| 35) Caprolactam                | 11.85 | 113 | 6105   | 3.848  | ng | 94   |
| 36) 4-Chloro-3-methylphenol    | 12.18 | 107 | 20069  | 4.498  | ng | 95   |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 46399  | 5.440  | ng | 93   |
| 38) 1-Methylnaphthalene        | 12.79 | 142 | 45603m | 5.506  | ng |      |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 24305  | 4.649  | ng | 98   |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

Manual Integrations  
 APPROVED

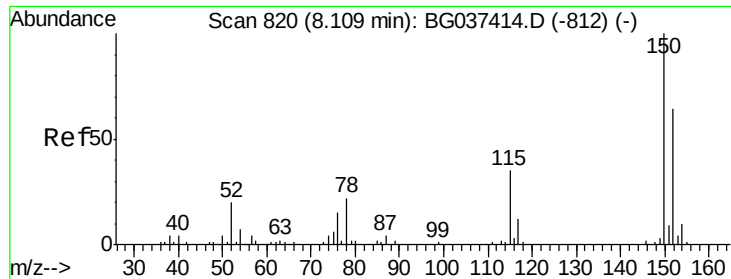
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Quant Time: Oct 19 09:14:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
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 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.91 | 237  | 11278    | 4.516 | nq    | 94       |
| 43) 2,4,6-Trichlorophenol      | 13.17 | 196  | 15043    | 4.307 | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 13.24 | 196  | 17581    | 4.623 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 13.58 | 154  | 60404    | 4.500 | nq    | 94       |
| 47) 2-Chloronaphthalene        | 13.62 | 162  | 48512    | 4.777 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.82 | 65   | 13610    | 4.419 | nq    | 91       |
| 49) Acenaphthylene             | 14.47 | 152  | 80216    | 5.251 | nq    | 94       |
| 50) Dimethylphthalate          | 14.19 | 163  | 63827    | 5.090 | nq    | 97       |
| 51) 2,6-Dinitrotoluene         | 14.32 | 165  | 12889    | 4.646 | nq    | 88       |
| 52) Acenaphthene               | 14.80 | 154  | 47617    | 5.061 | nq    | 97       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 11795    | 3.830 | nq    | 91       |
| 54) 2,4-Dinitrophenol          | 14.85 | 184  | 658      | 7.145 | nq    | # 76     |
| 55) Dibenzofuran               | 15.13 | 168  | 82033    | 5.263 | nq    | 97       |
| 56) 4-Nitrophenol              | 14.93 | 139  | 6793     | 2.980 | nq    | 89       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 15914    | 4.370 | nq    | 97       |
| 58) Fluorene                   | 15.79 | 166  | 64543    | 5.529 | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.35 | 232  | 15053    | 4.623 | nq    | # 98     |
| 60) Diethylphthalate           | 15.54 | 149  | 65377    | 5.078 | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204  | 32989    | 4.849 | nq    | 97       |
| 62) 4-Nitroaniline             | 15.80 | 138  | 13045    | 4.263 | nq    | # 82     |
| 63) Azobenzene                 | 16.07 | 77   | 64843    | 5.279 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 3147     | 9.754 | nq    | # 73     |
| 66) n-Nitrosodiphenylamine     | 15.99 | 169  | 58285    | 4.897 | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.67 | 248  | 20655    | 4.753 | nq    | 85       |
| 68) Hexachlorobenzene          | 16.78 | 284  | 21922    | 4.868 | nq    | 95       |
| 69) Atrazine                   | 16.93 | 200  | 18732    | 4.353 | nq    | 95       |
| 70) Pentachlorophenol          | 17.12 | 266  | 6078     | 2.015 | nq    | 94       |
| 71) Phenanthrene               | 17.52 | 178  | 111068   | 5.523 | nq    | 98       |
| 72) Anthracene                 | 17.62 | 178  | 109333   | 5.540 | nq    | 98       |
| 73) Carbazole                  | 17.89 | 167  | 93993    | 4.761 | nq    | 95       |
| 74) Di-n-butylphthalate        | 18.43 | 149  | 106334   | 4.842 | nq    | 98       |
| 75) Fluoranthene               | 19.53 | 202  | 123762   | 5.426 | nq    | 99       |
| 77) Benzidine                  | 19.72 | 184  | 15608    | 1.267 | nq    | 96       |
| 78) Pyrene                     | 19.89 | 202  | 125990   | 5.321 | nq    | 96       |
| 80) Butylbenzylphthalate       | 20.77 | 149  | 42956    | 4.433 | nq    | 90       |
| 81) Benzo(a)anthracene         | 21.75 | 228  | 114979   | 5.367 | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 26735    | 3.220 | nq    | 99       |
| 83) Chrysene                   | 21.81 | 228  | 109431   | 5.312 | nq    | 95       |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 60443    | 4.450 | nq    | 97       |
| 85) Di-n-octyl phthalate       | 22.88 | 149  | 98548    | 4.450 | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.92 | 276  | 92151    | 4.171 | nq    | # 92     |
| 88) Benzo(b)fluoranthene       | 24.03 | 252  | 103365   | 5.168 | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 24.10 | 252  | 106596m  | 5.439 | nq    |          |
| 90) Benzo(a)pyrene             | 24.94 | 252  | 98413    | 5.178 | nq    | 96       |
| 91) Dibenzo(a,h)anthracene     | 29.01 | 278  | 74104    | 4.227 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.12 | 276  | 82577    | 4.655 | nq    | 98       |

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





#1

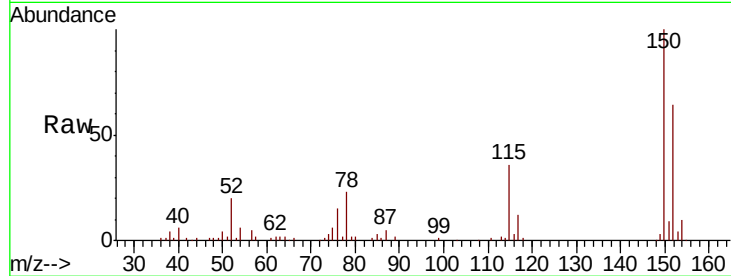
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 126.0 | 189.0 |
| 115     | 56.7  | 45.5  | 68.3  |

Manual Integrations  
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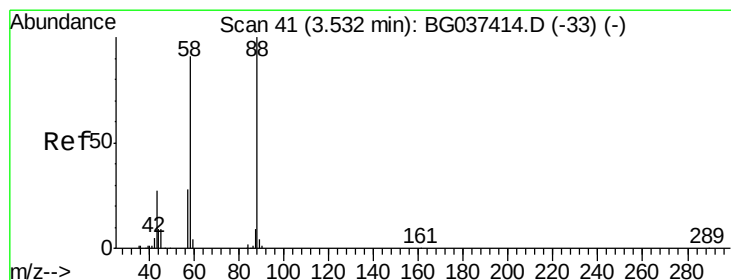
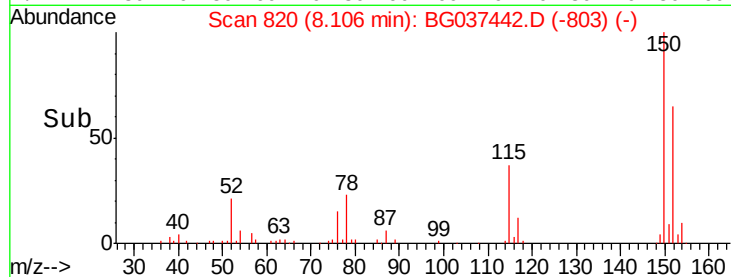
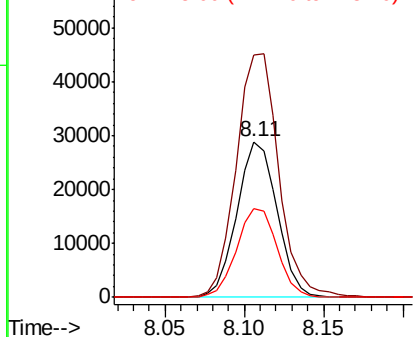


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

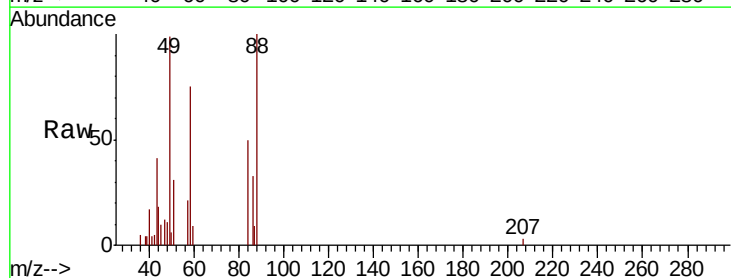
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 4.851 ng  
RT: 3.53 min Scan# 41  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 108.4 | 74.4  | 111.6 |
| 43      | 30.2  | 25.8  | 38.8  |

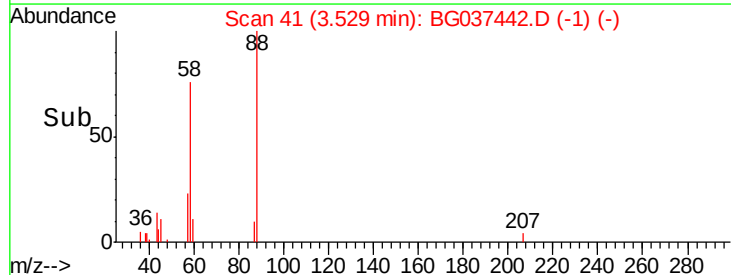
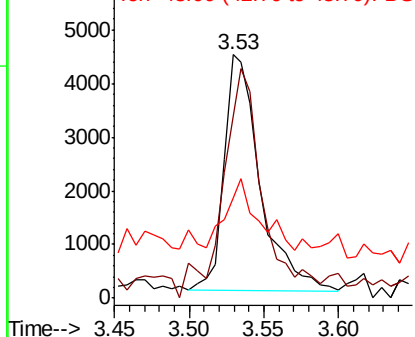


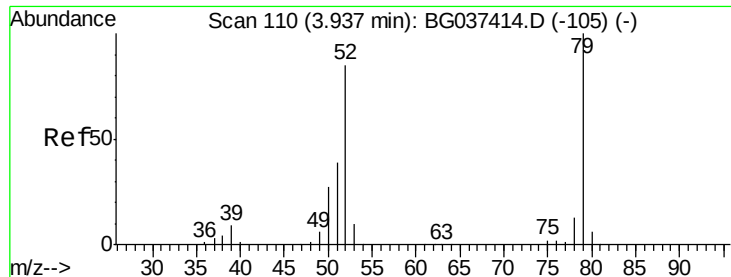
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 5.041 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

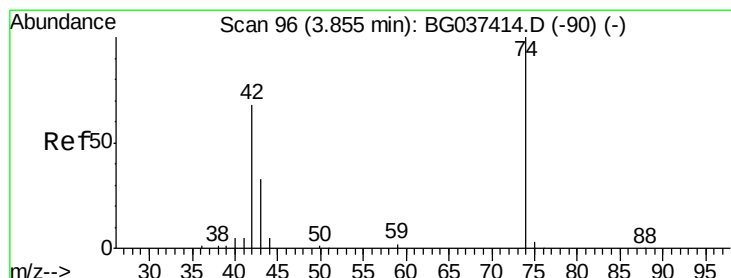
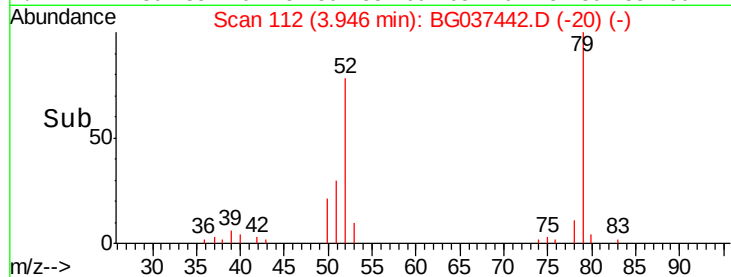
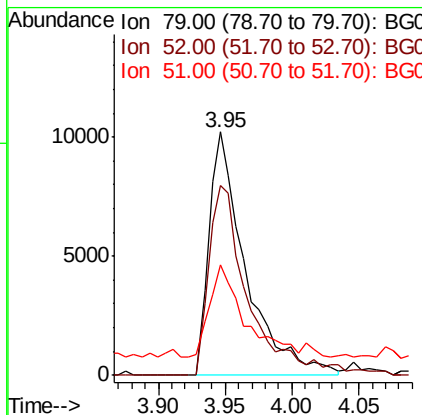
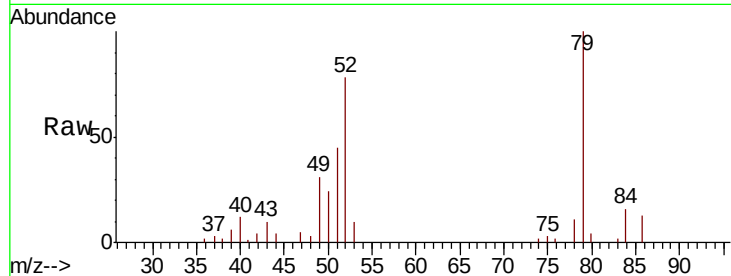
ClientSampleId :

MDL-WATER-03-QT4-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 19492 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 78.0  | 74.2  | 111.2 |
| 51       | 45.2  | 34.6  | 51.8  |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 6.113 ng

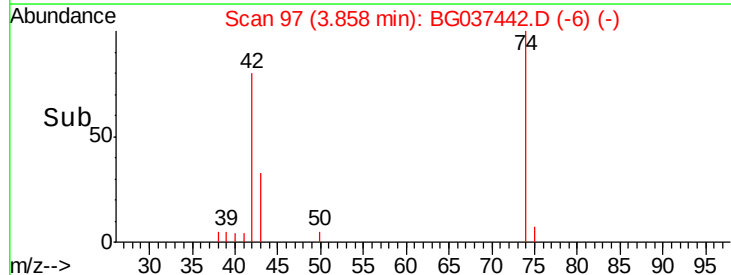
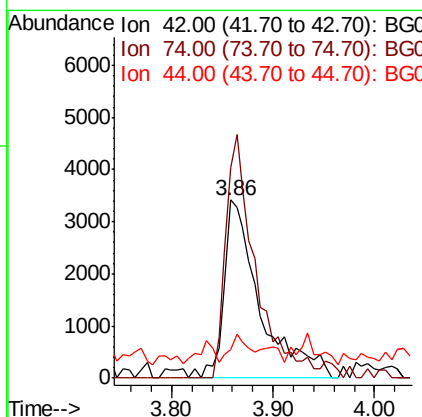
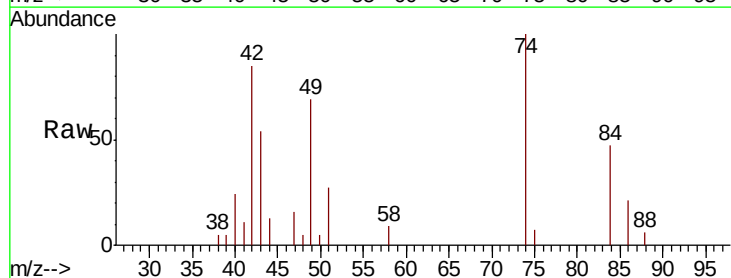
RT: 3.86 min Scan# 97

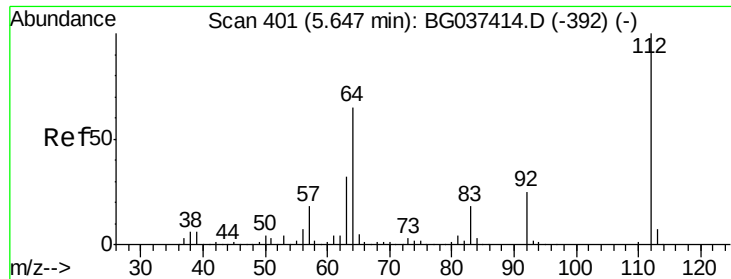
Delta R.T. 0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 8419  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 117.8 | 102.0 | 153.0 |
| 44       | 15.8  | 9.6   | 14.4# |





#5

2-Fluorophenol

Concen: 140.315 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

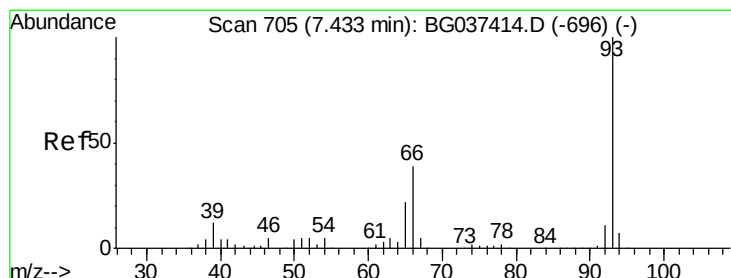
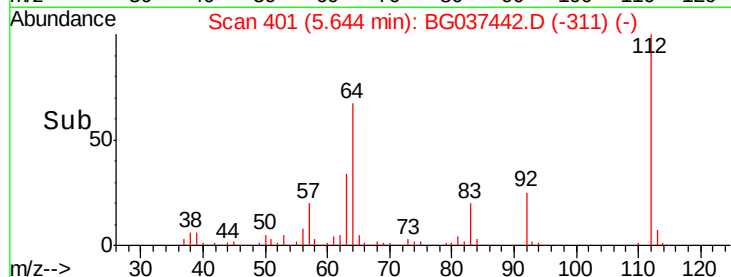
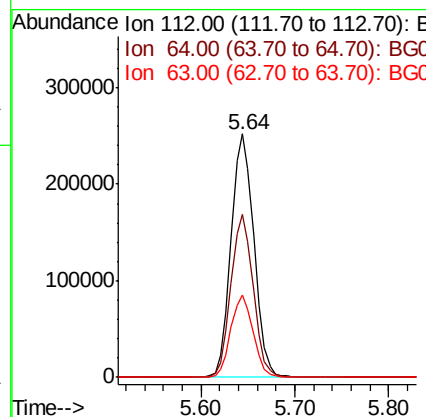
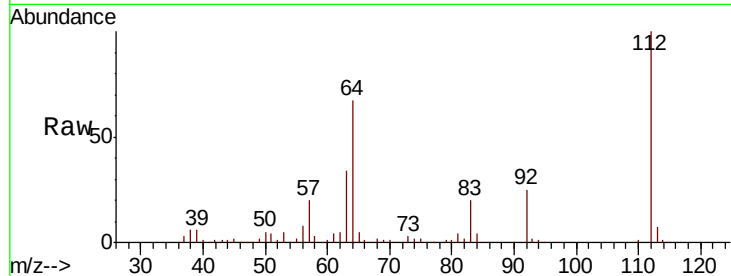
ClientSampleId :

MDL-WATER-03-QT4-2018

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 424474 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 66.9  | 53.1  | 79.7   |
| 63        | 34.0  | 27.3  | 40.9   |

Manual Integrations  
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#6

Aniline

Concen: 3.475 ng

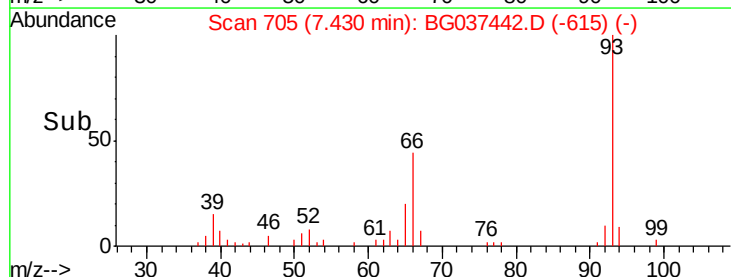
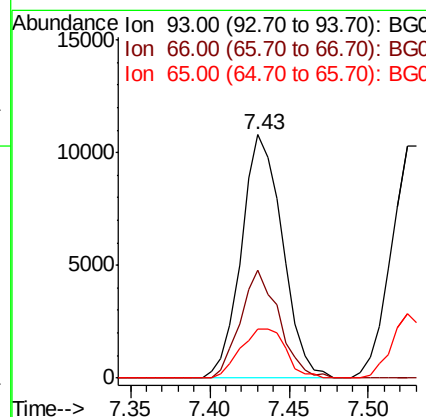
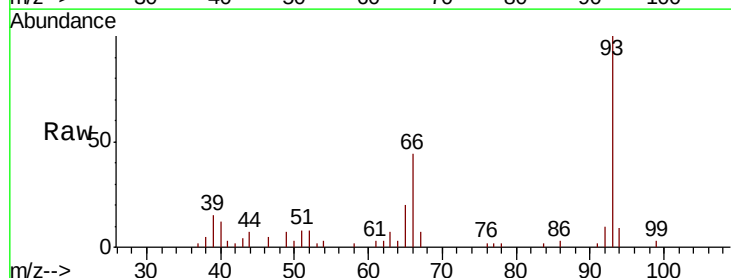
RT: 7.43 min Scan# 705

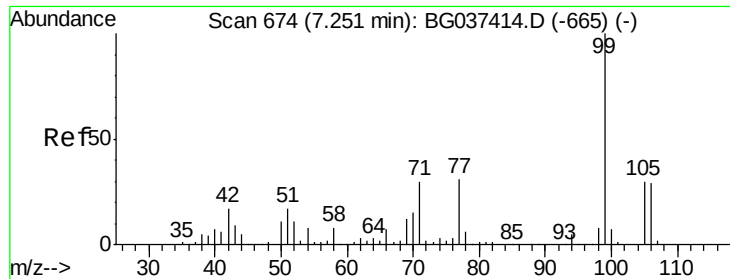
Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 19390 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 44.1  | 32.8  | 49.2  |
| 65        | 20.3  | 16.4  | 24.6  |





#7

Phenol-d6

Concen: 136.057 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

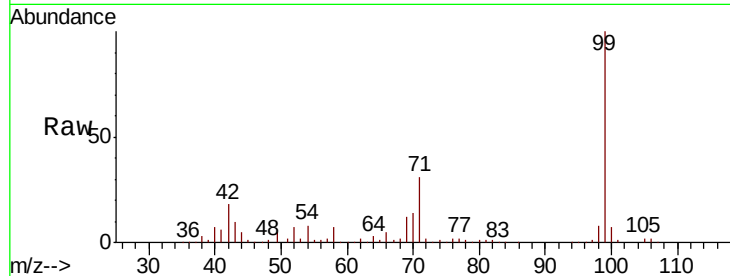
ClientSampleId :

MDL-WATER-03-QT4-2018

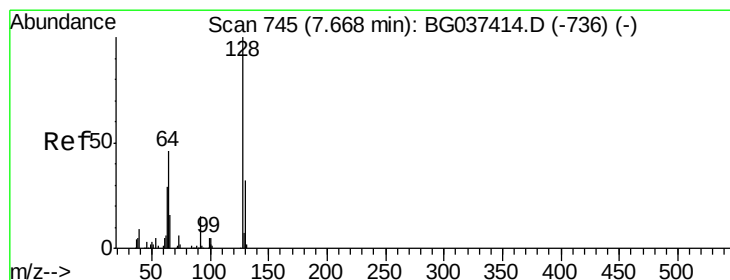
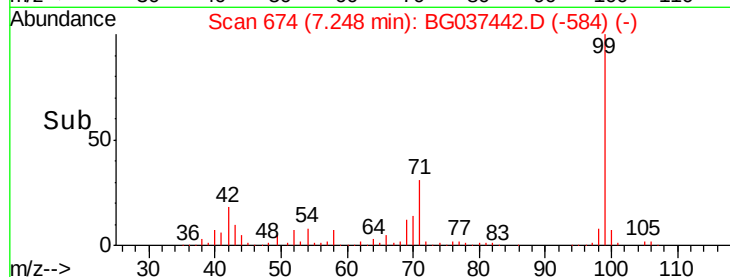
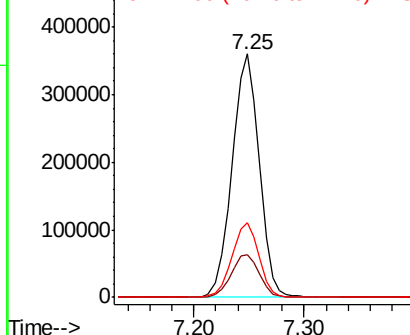
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 622380 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.5  | 15.0  | 22.4   |
| 71        | 30.7  | 25.5  | 38.3   |

Manual Integrations  
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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



#8

2-Chlorophenol

Concen: 5.107 ng

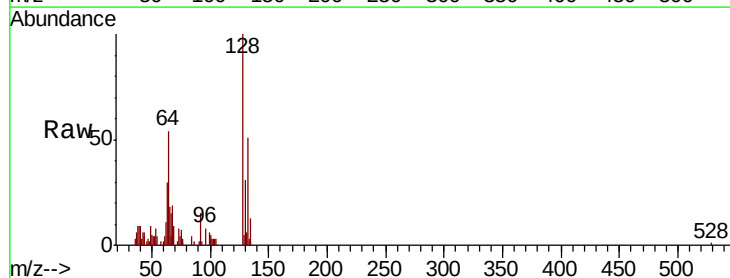
RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

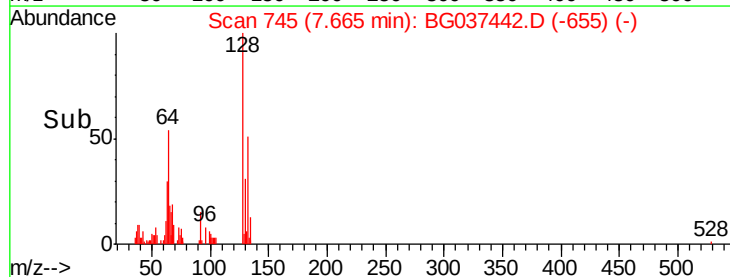
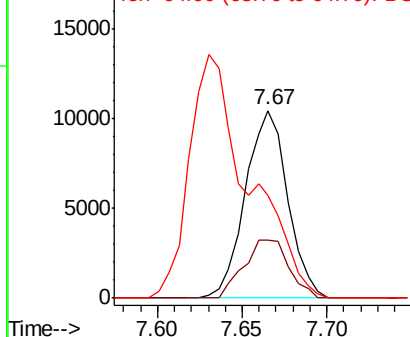
Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

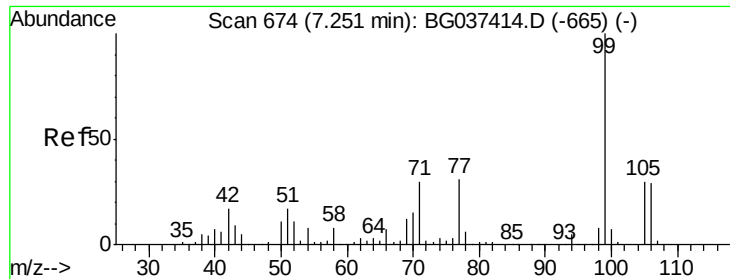
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 18072 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 31.0  | 12.0  | 52.0  |
| 64        | 54.4  | 32.9  | 72.9  |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BGC







#9

Benzaldehyde

Concen: 4.919 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

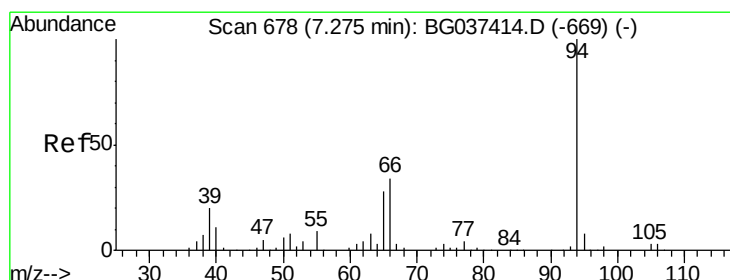
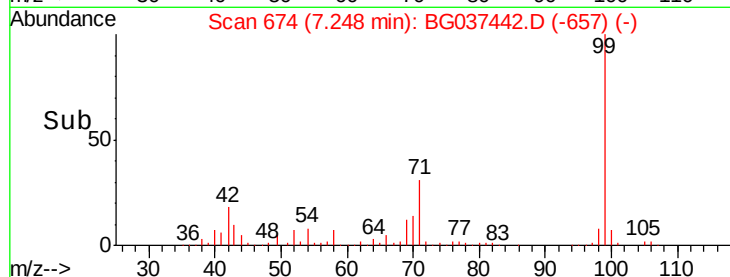
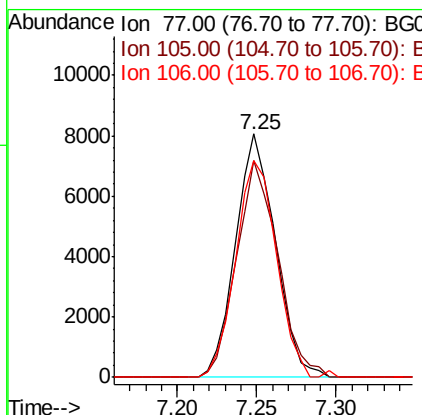
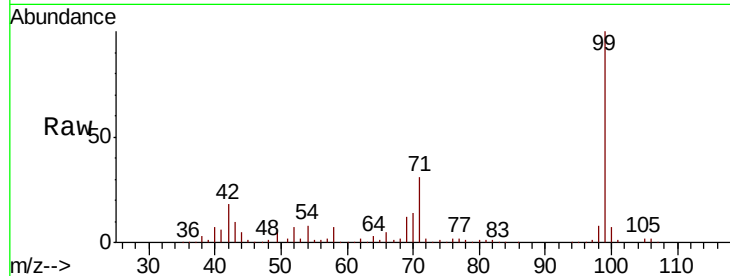
ClientSampleId :

MDL-WATER-03-QT4-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 14076 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 89.0  | 72.6  | 112.6 |
| 106      | 88.9  | 71.3  | 111.3 |

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#10

Phenol

Concen: 4.986 ng

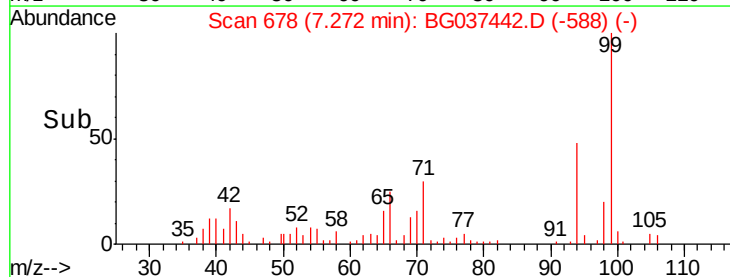
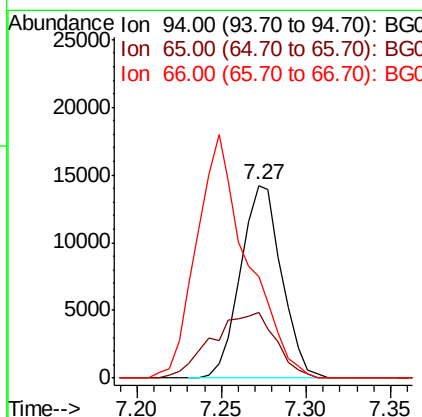
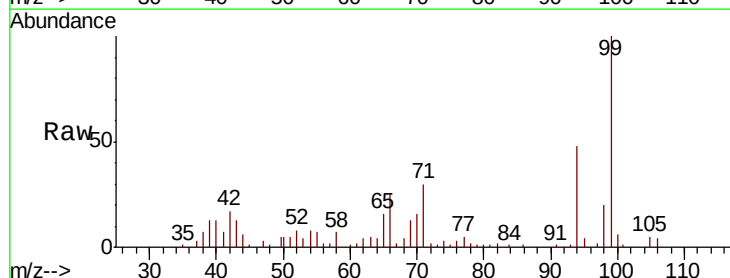
RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

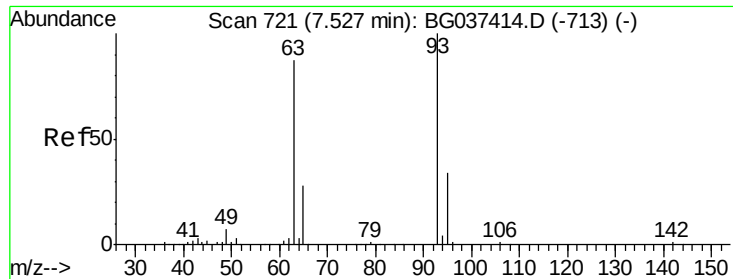
Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 24063 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 34.0  | 9.7   | 49.7  |
| 66       | 52.9  | 15.9  | 55.9  |







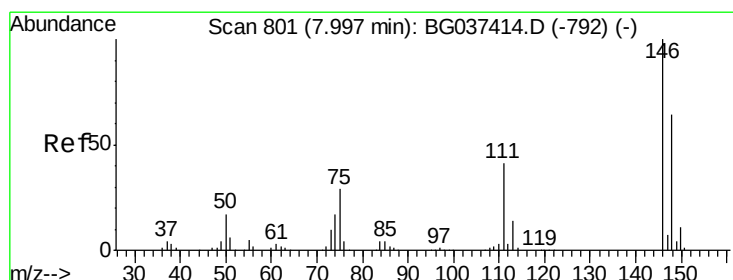
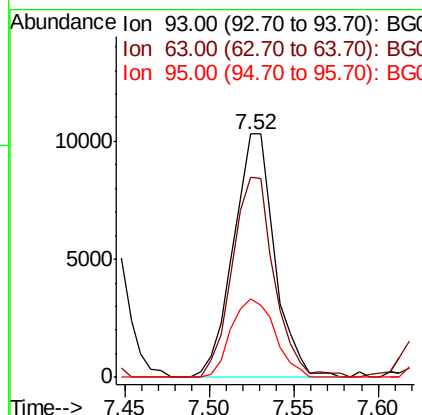
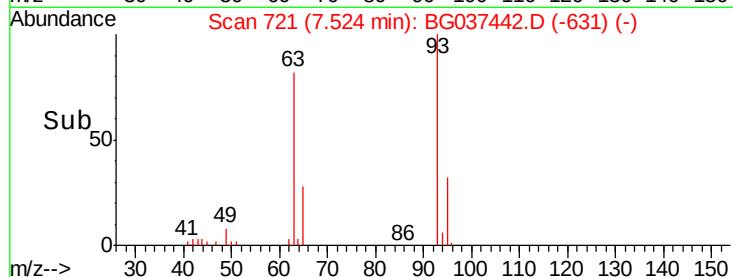
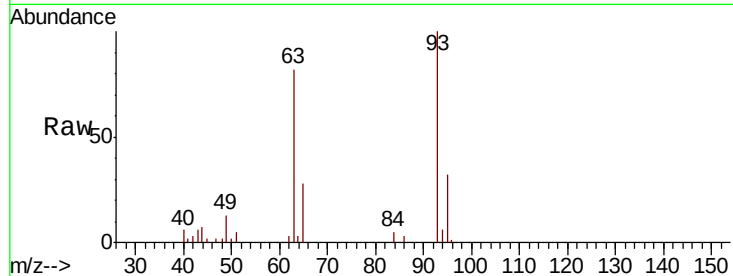
#11  
bis(2-Chloroethyl)ether  
Concen: 4.786 ng  
RT: 7.52 min Scan# 721  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 82.0  | 69.5  | 109.5 |
| 95      | 32.3  | 12.6  | 52.6  |

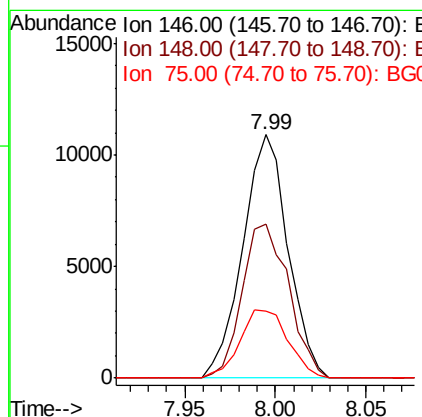
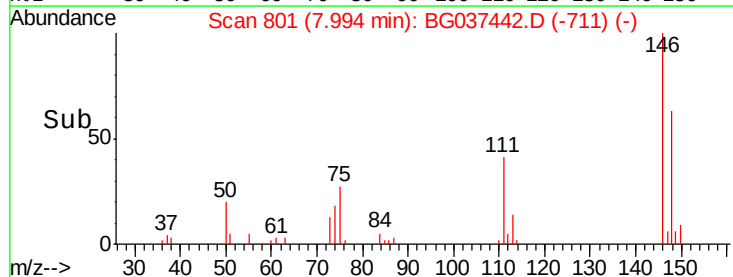
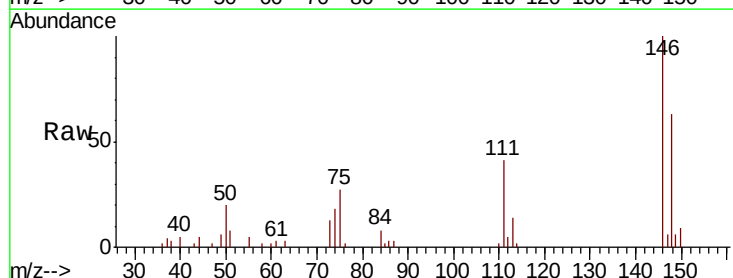
Manual Integrations  
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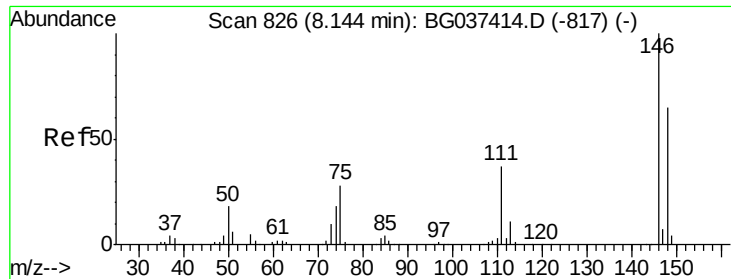
Sohil  
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#12  
1,3-Dichlorobenzene  
Concen: 4.792 ng  
RT: 7.99 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 49.8  | 74.8  |
| 75      | 27.4  | 23.2  | 34.8  |





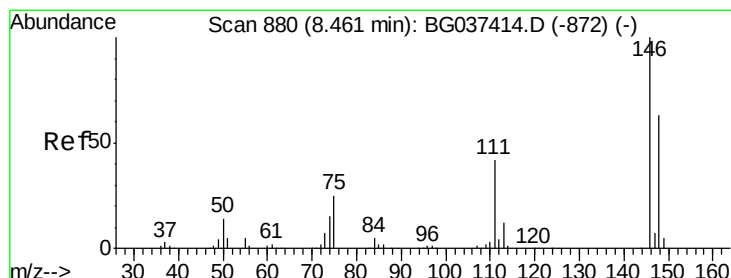
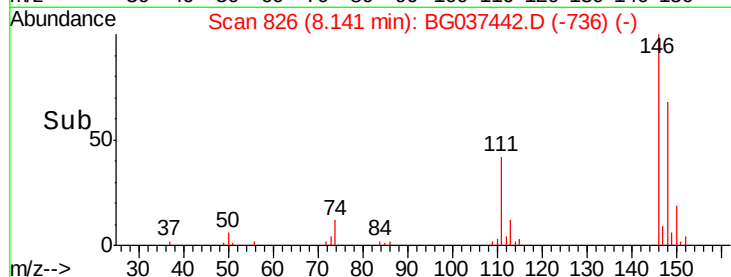
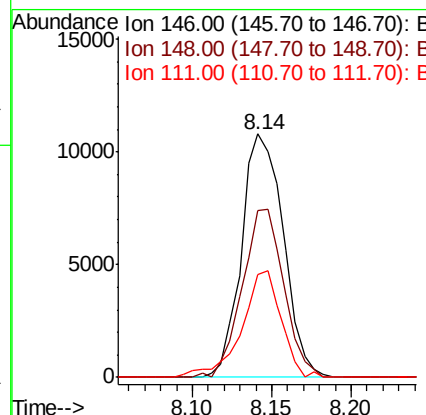
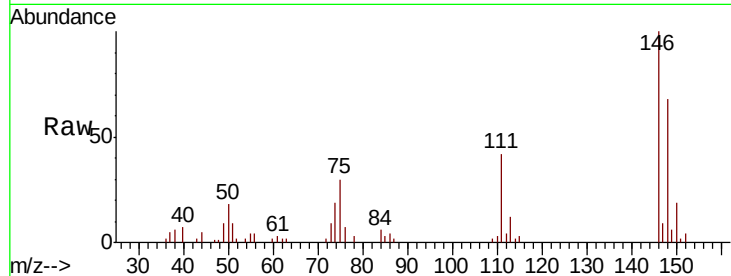
#13  
 1,4-Dichlorobenzene  
 Concen: 4.916 ng  
 RT: 8.14 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 68.4  | 51.0  | 76.6  |
| 111     | 42.3  | 32.4  | 48.6  |

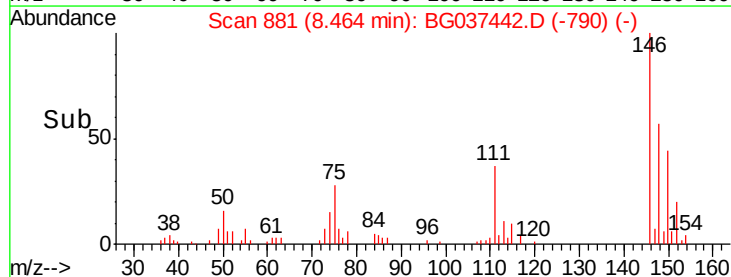
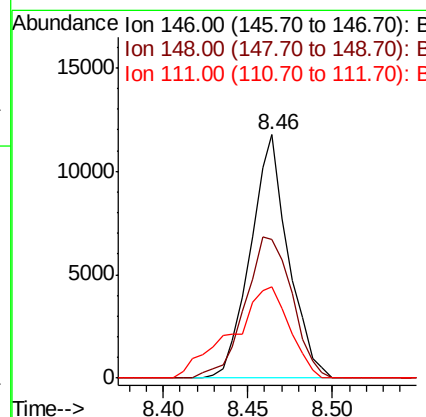
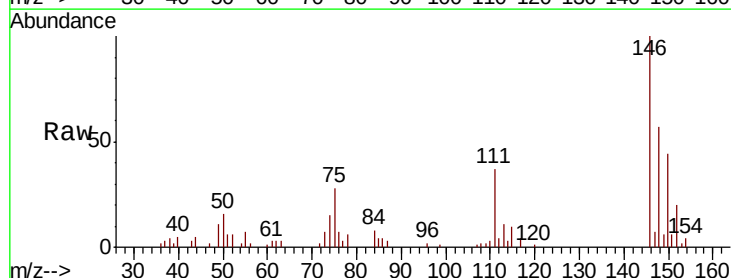
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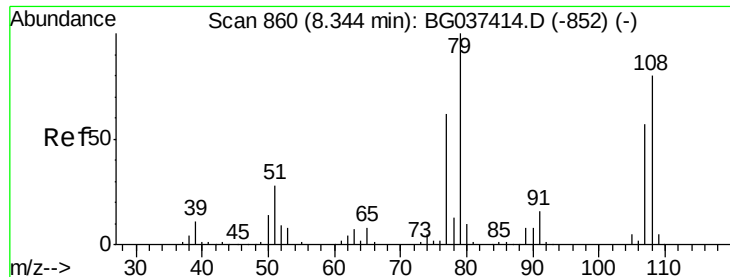
Sohil  
 10/19/2018 3:57:54 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 4.721 ng  
 RT: 8.46 min Scan# 881  
 Delta R.T. 0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 57.0  | 50.4  | 75.6  |
| 111     | 37.3  | 34.6  | 51.8  |





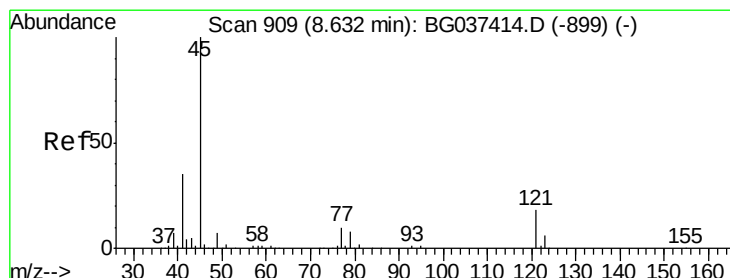
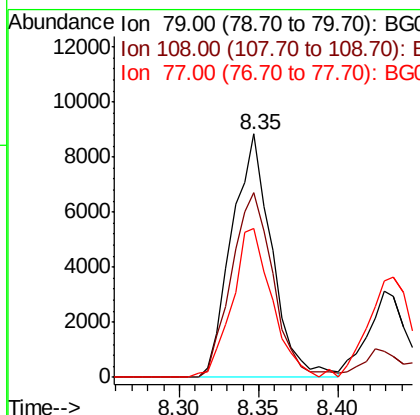
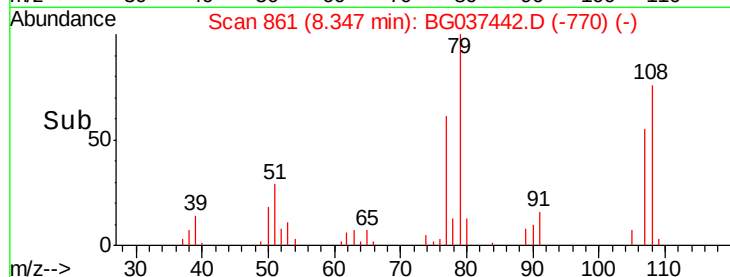
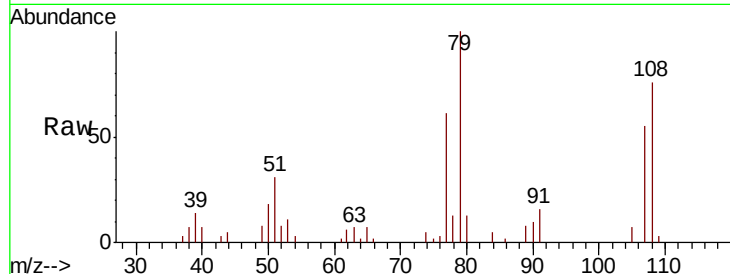
#15  
Benzyl Alcohol  
Concen: 4.577 ng  
RT: 8.35 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 75.8  | 65.8  | 98.8  |
| 77      | 61.4  | 52.9  | 79.3  |

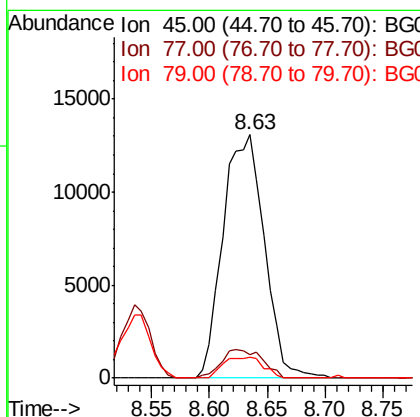
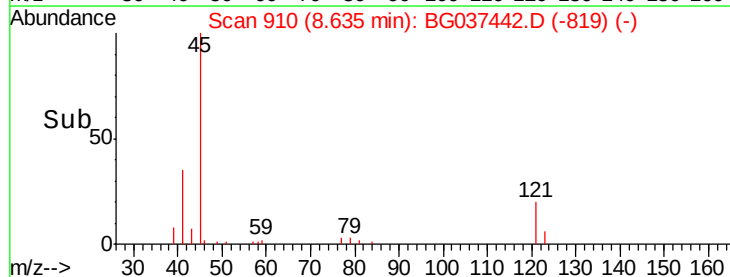
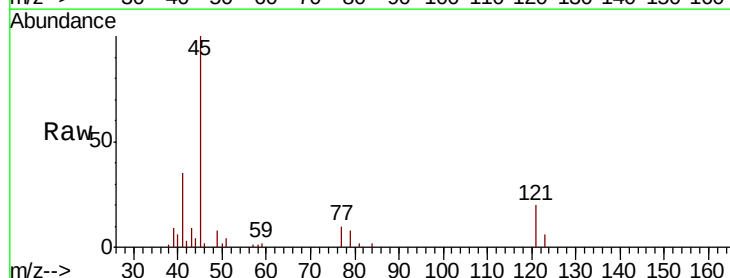
Manual Integrations  
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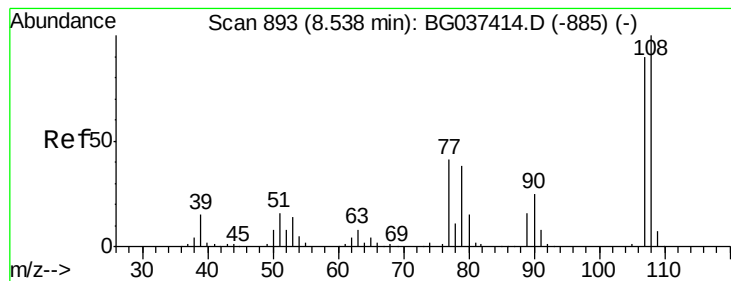
Sohil  
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 4.961 ng  
RT: 8.63 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 9.7   | 0.0   | 30.0  |
| 79      | 8.3   | 0.0   | 29.0  |





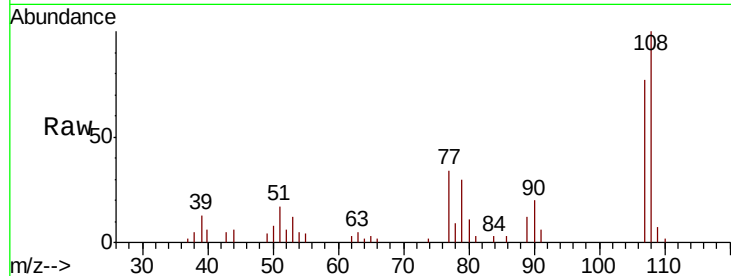
#17  
2-Methylphenol  
Concen: 5.066 ng  
RT: 8.54 min Scan# 893  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

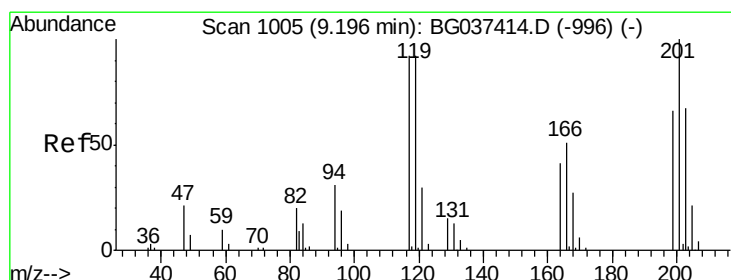
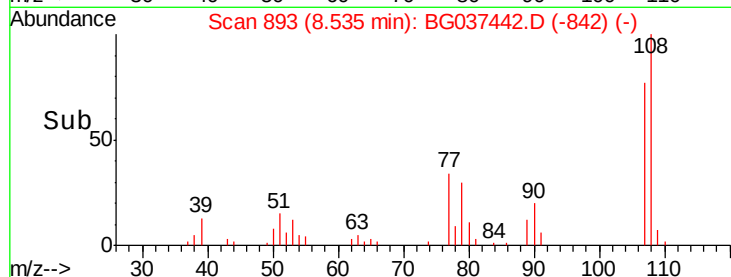
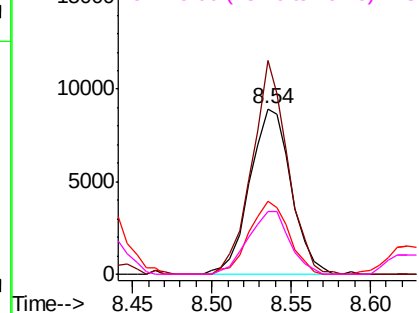
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 129.1 | 87.9 | 131.9 |       |
| 77      | 44.3  | 35.1 | 52.7  |       |
| 79      | 38.3  | 34.5 | 51.7  |       |

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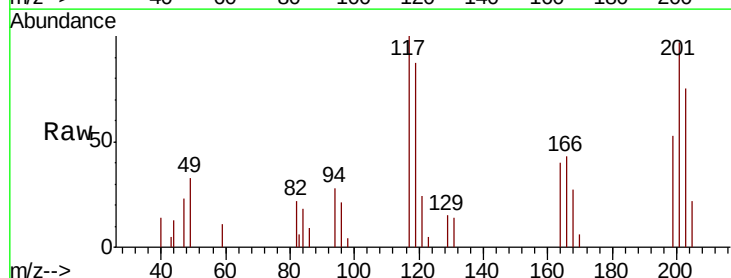


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

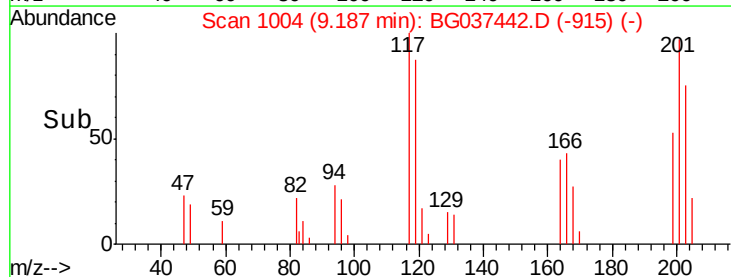
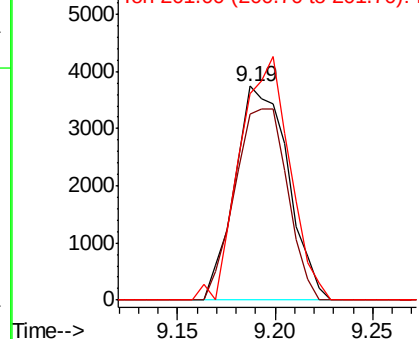


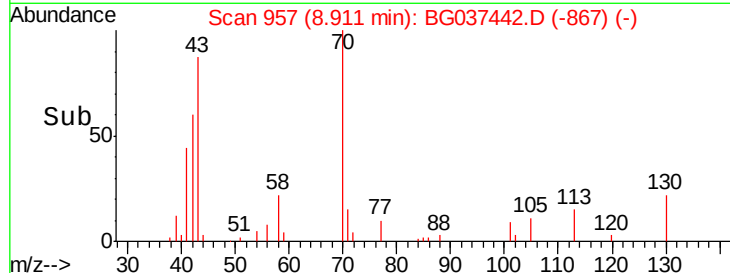
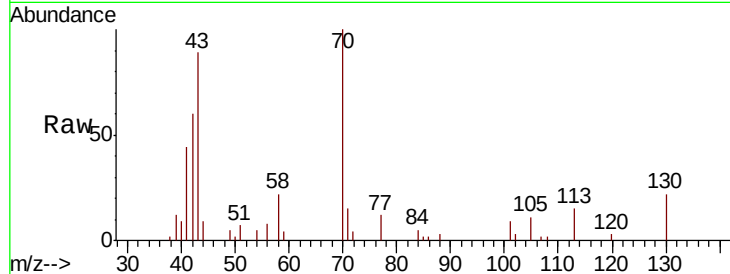
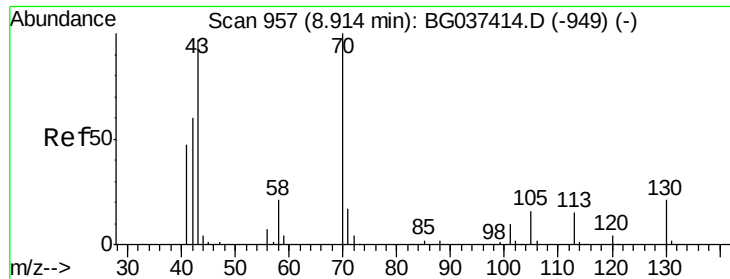
#18  
Hexachloroethane  
Concen: 5.131 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 86.8  | 74.6 | 111.8 |       |
| 201     | 96.6  | 80.8 | 121.2 |       |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





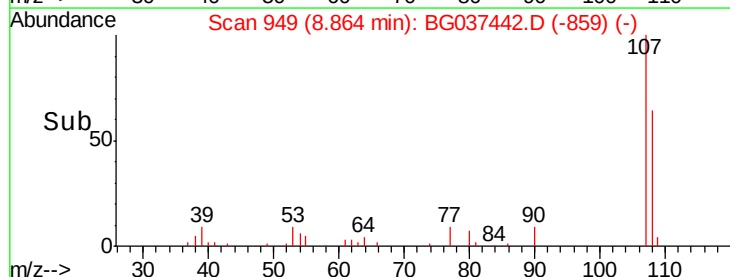
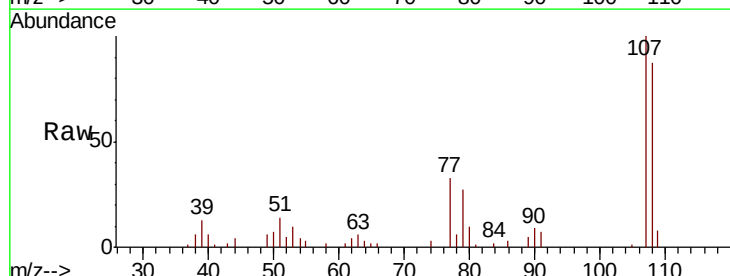
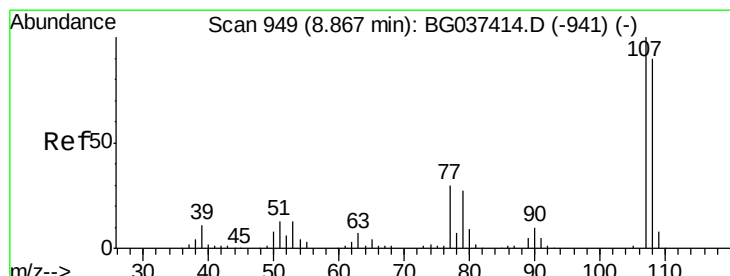
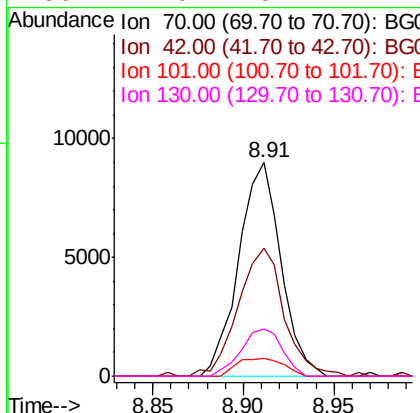
#19  
n-Nitroso-di-n-propylamine  
Concen: 4.655 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 59.7 | 53.9  | 80.9  |       |
| 101     | 8.6  | 8.2   | 12.2  |       |
| 130     | 22.0 | 18.2  | 27.4  |       |

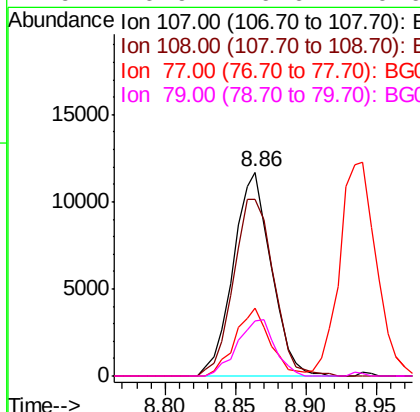
Manual Integrations  
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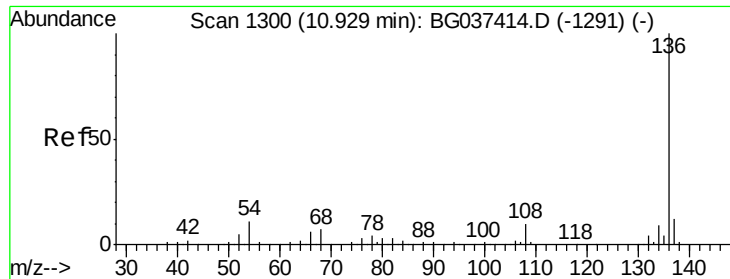
Sohil  
10/19/2018 3:57:54 PM



#20  
3+4-Methylphenols  
Concen: 4.813 ng  
RT: 8.86 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 86.7 | 69.9  | 109.9 |       |
| 77      | 33.2 | 11.2  | 51.2  |       |
| 79      | 26.9 | 6.6   | 46.6  |       |





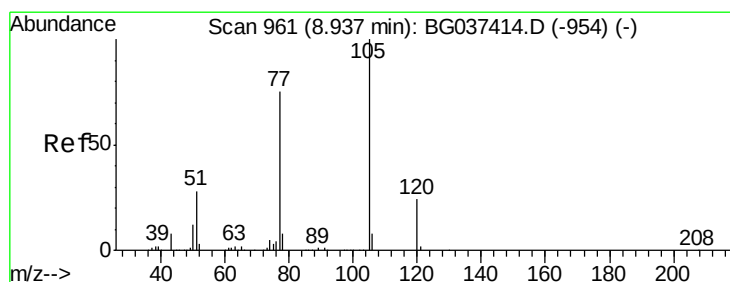
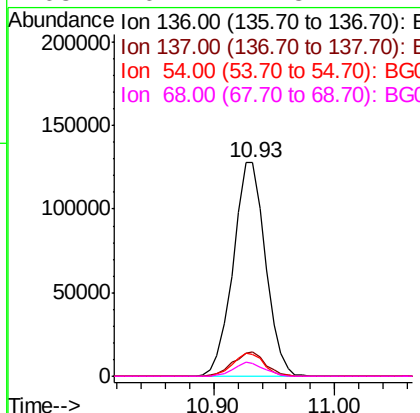
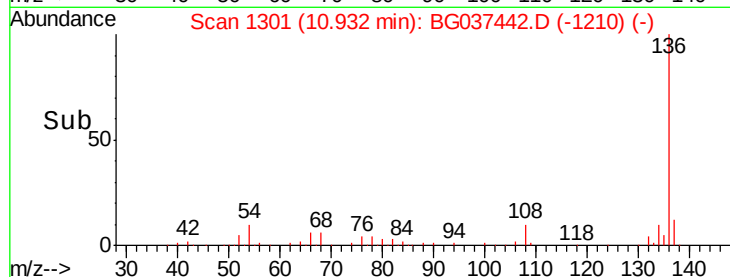
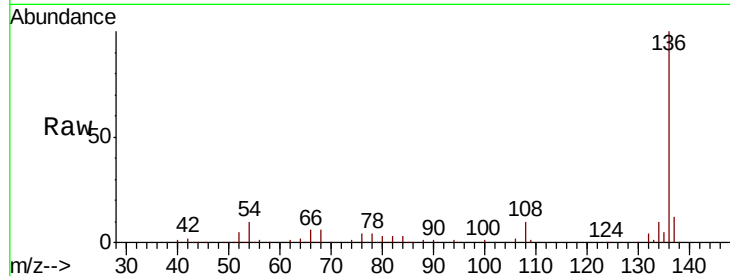
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 238203 |       |       |
| 137     | 11.6 | 9.6   | 14.4   |       |       |
| 54      | 10.2 | 7.9   | 11.9   |       |       |
| 68      | 6.1  | 4.8   | 7.2    |       |       |

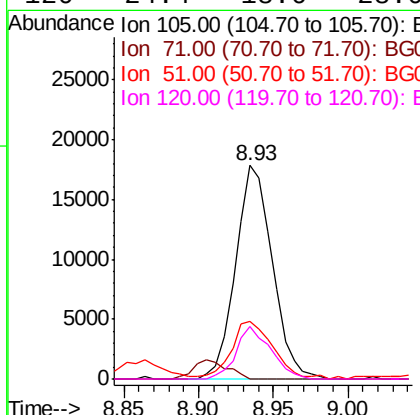
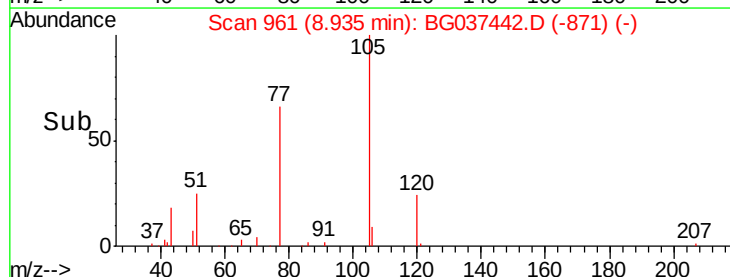
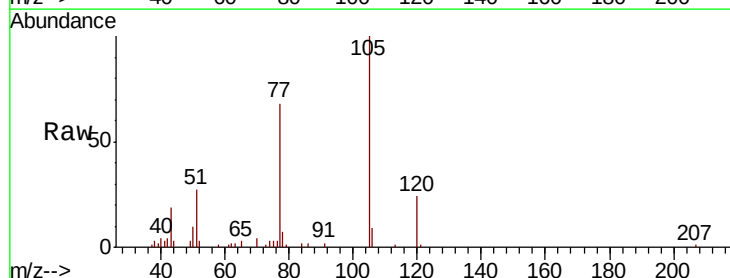
Manual Integrations  
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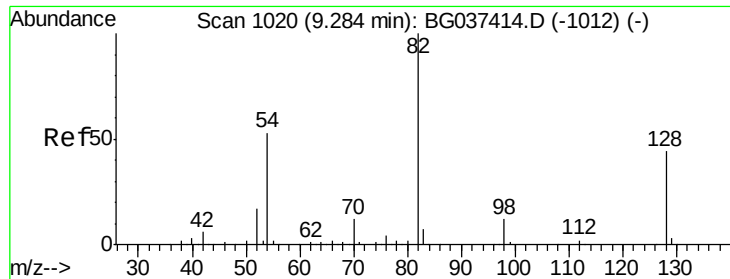
Sohil  
10/19/2018 3:57:54 PM



#22  
Acetophenone  
Concen: 5.098 ng  
RT: 8.93 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 105     | 100  |       | 30453 |       |       |
| 71      | 0.0  | 1.2   | 1.8#  |       |       |
| 51      | 26.9 | 25.0  | 37.6  |       |       |
| 120     | 24.4 | 18.6  | 28.0  |       |       |





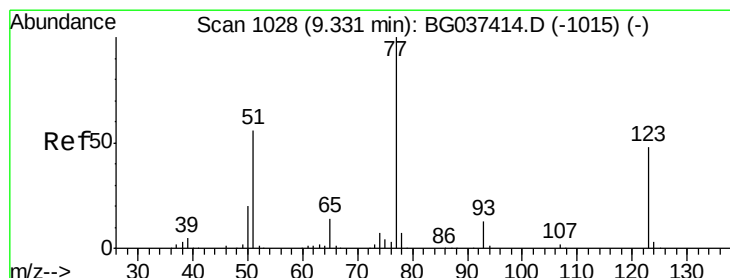
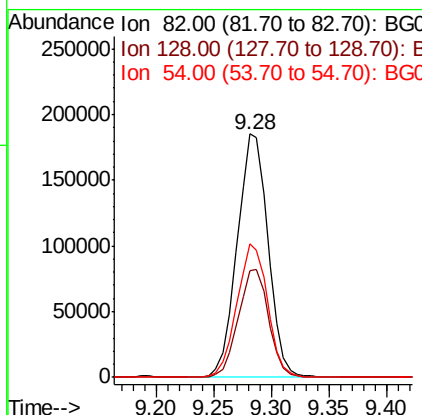
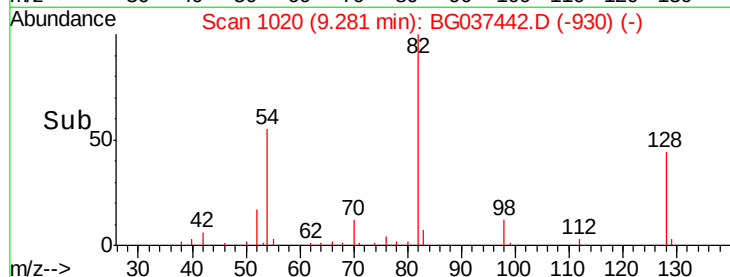
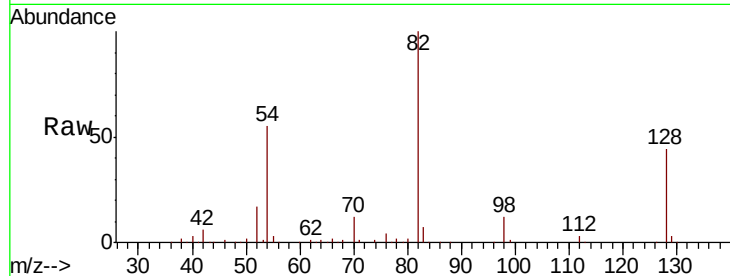
#23  
 Nitrobenzene-d5  
 Concen: 80.699 ng  
 RT: 9.28 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.7  | 34.6  | 51.8  |
| 54      | 54.9  | 45.3  | 67.9  |

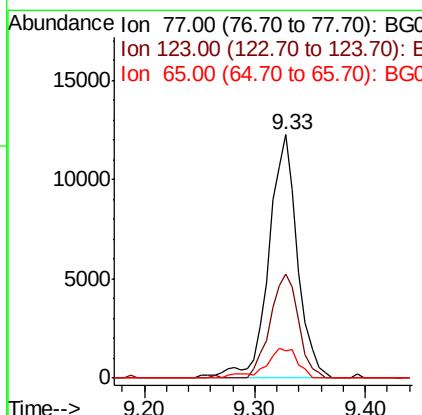
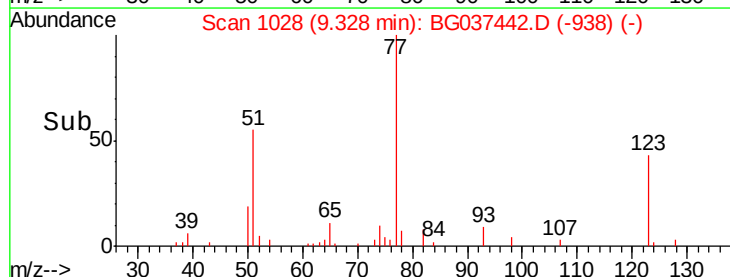
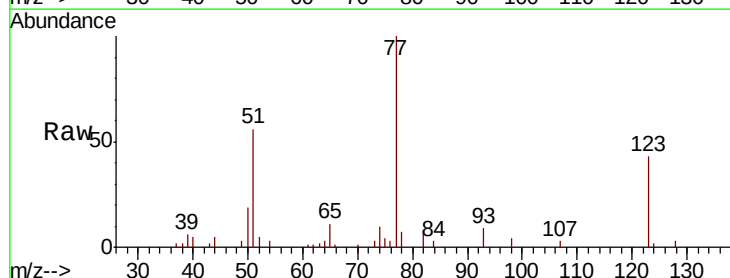
Manual Integrations  
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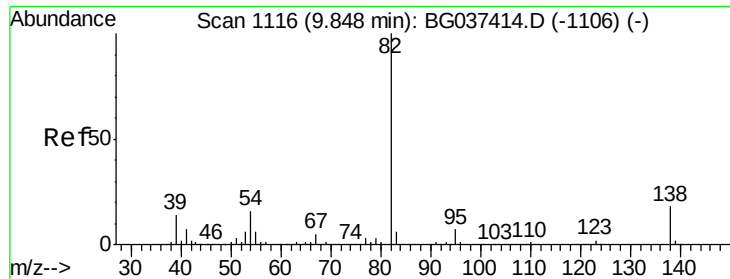


#24  
 Nitrobenzene  
 Concen: 5.005 ng  
 RT: 9.33 min Scan# 1028  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 42.6  | 33.6  | 50.4  |
| 65      | 11.0  | 11.3  | 16.9  |







#25

Isophorone

Concen: 5.305 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

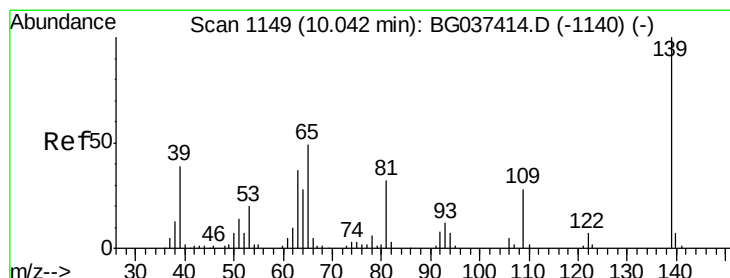
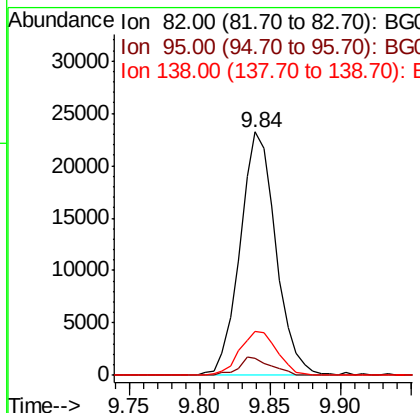
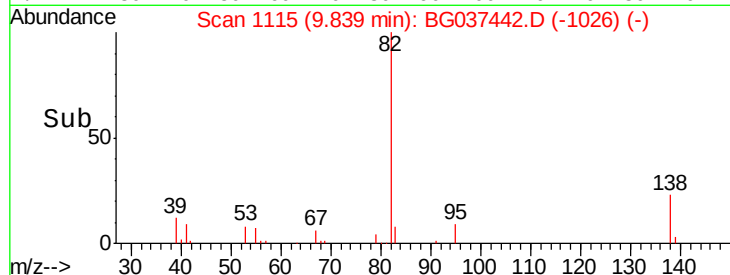
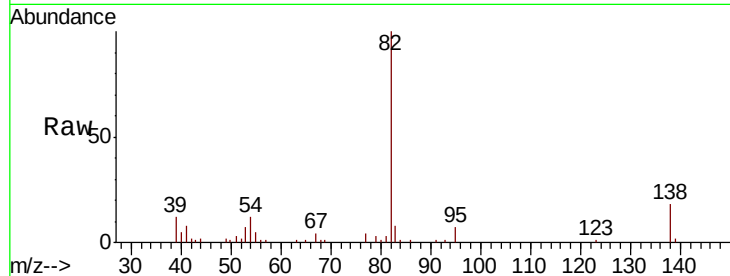
ClientSampleId :

MDL-WATER-03-QT4-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 82    | Resp: | 41217 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 95        | 6.9   | 5.3   | 7.9   |
| 138       | 18.3  | 13.3  | 19.9  |

Manual Integrations  
APPROVED

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10/19/2018 3:57:54 PM



#26

2-Nitrophenol

Concen: 4.460 ng

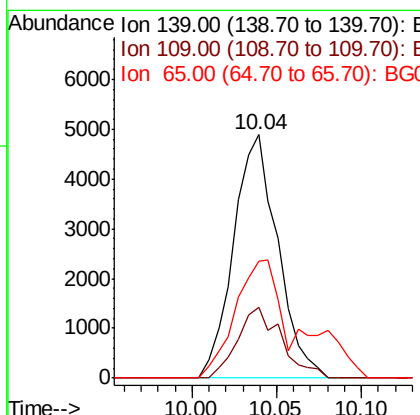
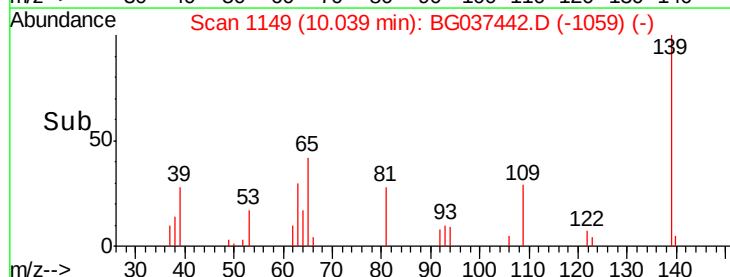
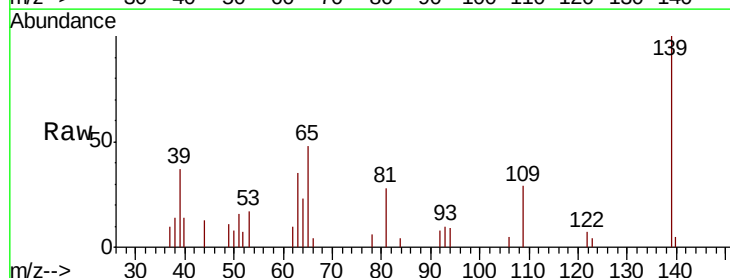
RT: 10.04 min Scan# 1149

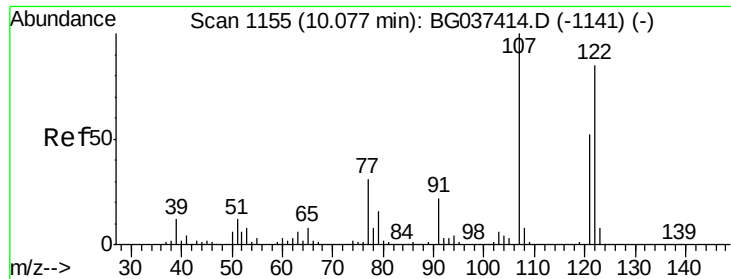
Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 139   | Resp: | 8875 |
| Ion Ratio | Lower | Upper |      |
| 139       | 100   |       |      |
| 109       | 29.1  | 23.3  | 34.9 |
| 65        | 47.9  | 39.8  | 59.8 |





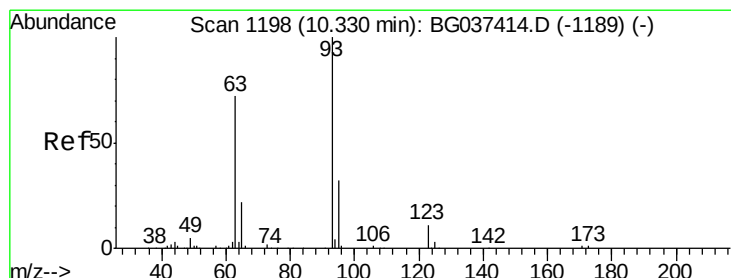
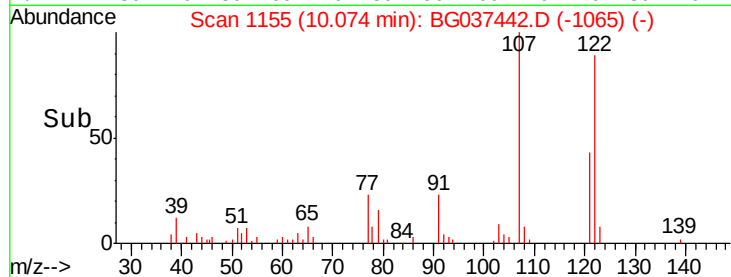
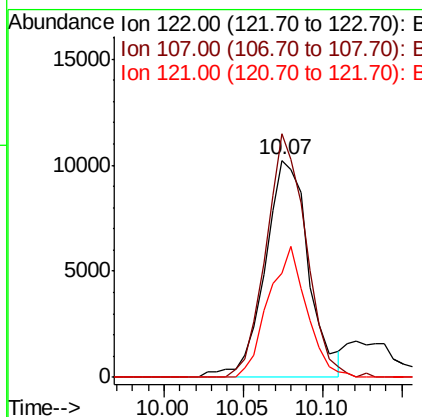
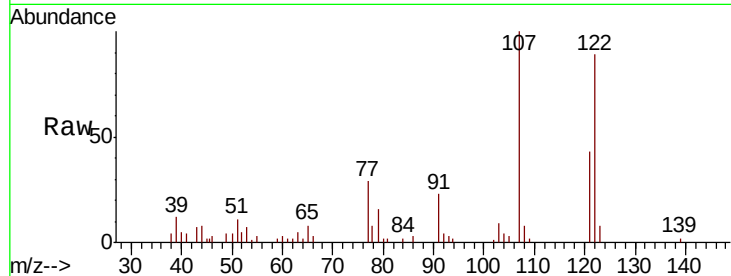
#27  
 2,4-Dimethylphenol  
 Concen: 5.484 ng  
 RT: 10.07 min Scan# 1155  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 122   | Resp: | 19485 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 112.1 | 94.2  | 141.2 |
| 121       | 47.7  | 47.3  | 70.9  |

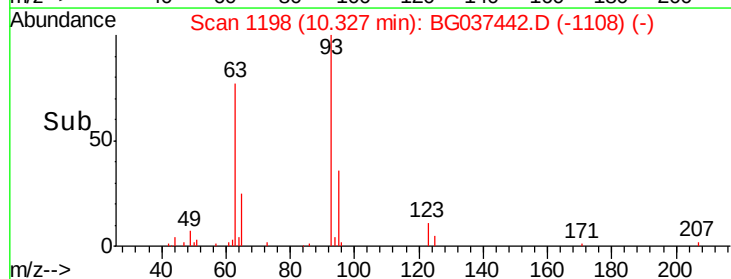
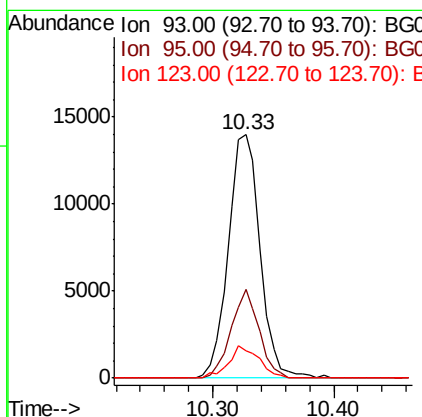
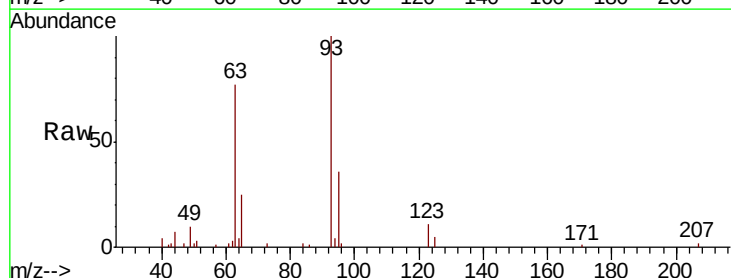
Manual Integrations  
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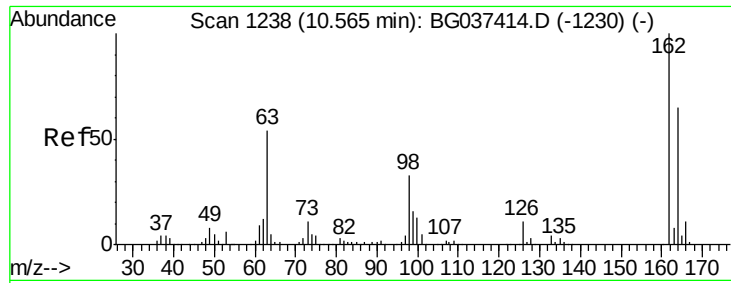
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 10/19/2018 3:57:54 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 5.013 ng  
 RT: 10.33 min Scan# 1198  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 25518 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 36.3  | 24.6  | 37.0  |
| 123       | 11.1  | 9.1   | 13.7  |





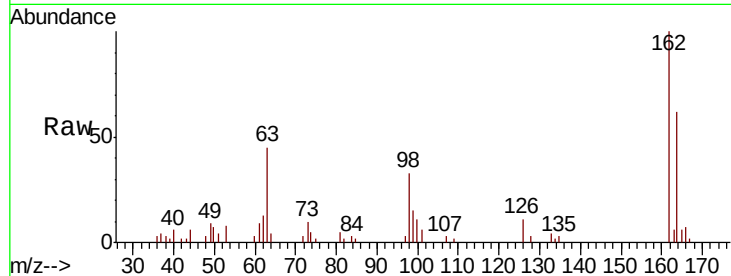
#29  
2,4-Dichlorophenol  
Concen: 4.622 ng  
RT: 10.56 min Scan# 1238  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 61.6  | 43.2       | 83.2  |
| 98      | 32.7  | 16.0       | 56.0  |

Manual Integrations  
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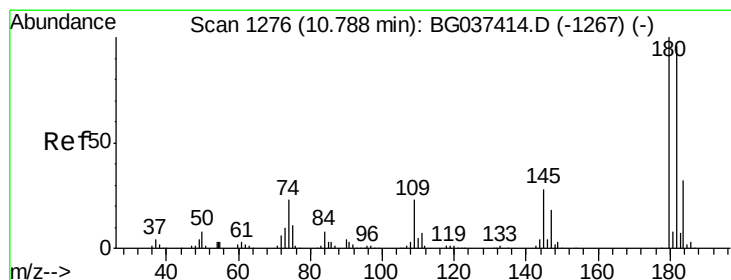
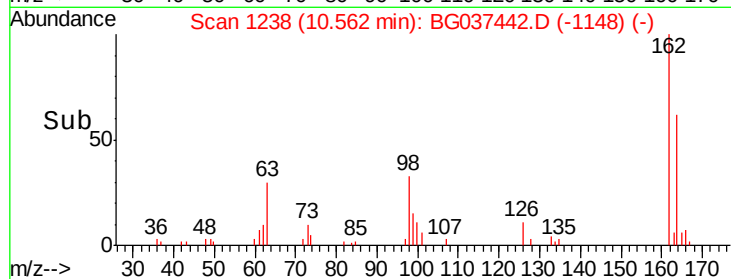
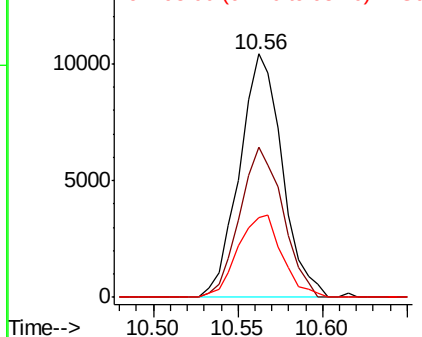


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30  
1,2,4-Trichlorobenzene  
Concen: 4.614 ng  
RT: 10.79 min Scan# 1276  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

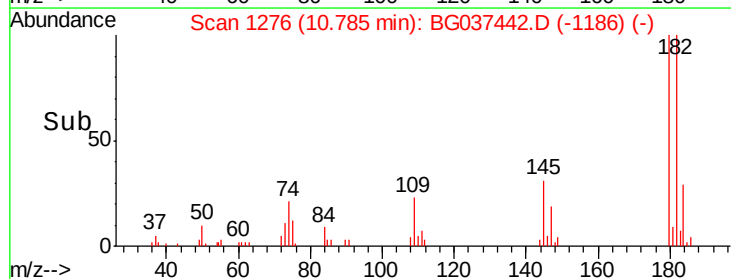
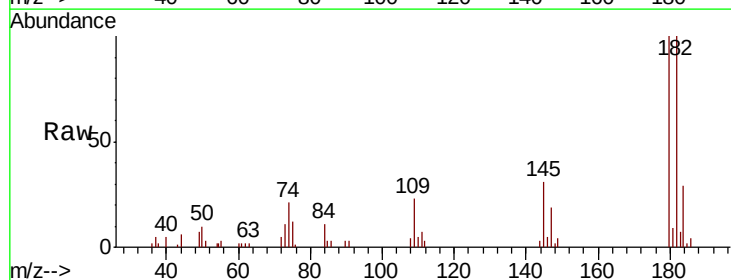
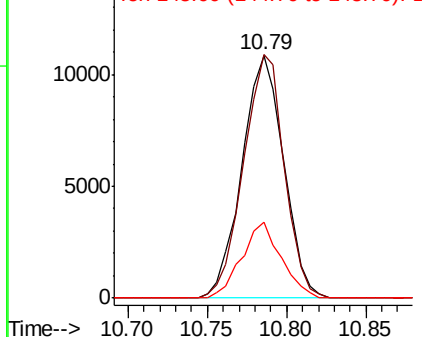
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 100.4 | 77.7       | 116.5 |
| 145     | 31.1  | 23.3       | 34.9  |

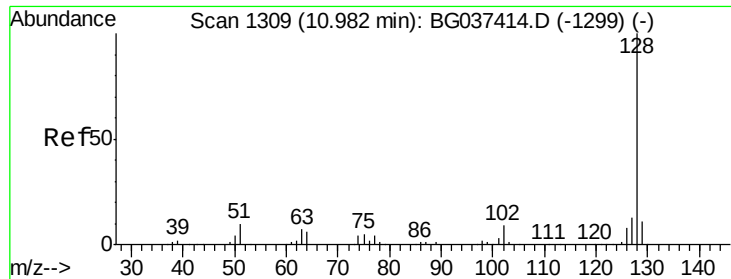
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





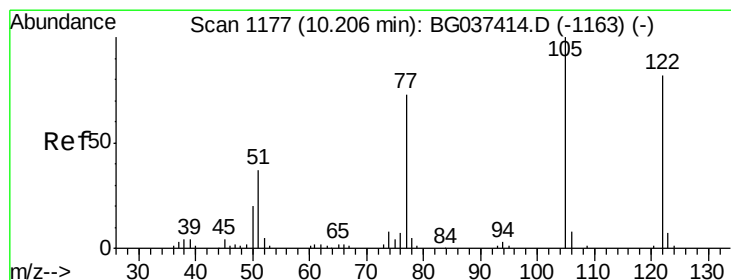
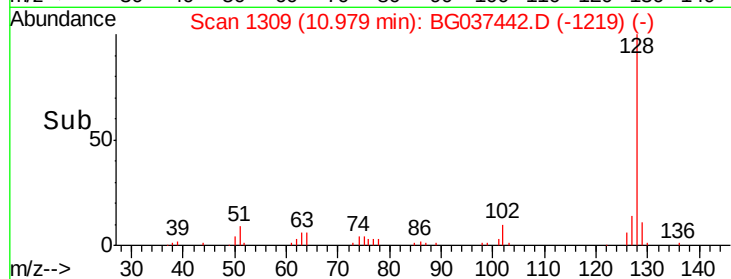
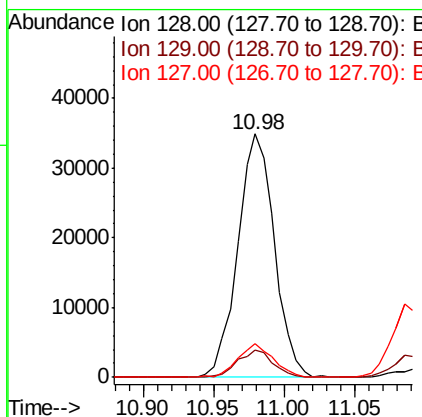
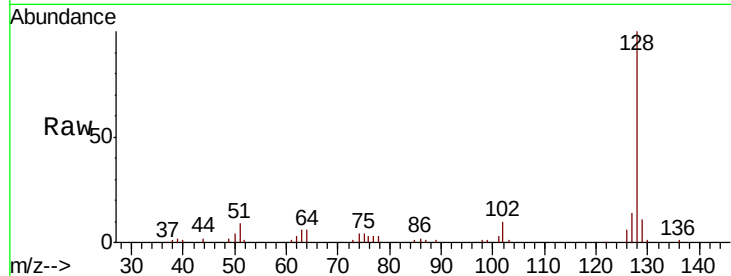
#31  
Naphthalene  
Concen: 5.396 ng  
RT: 10.98 min Scan# 1309  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 9.0   | 13.6  |
| 127     | 13.9  | 11.1  | 16.7  |

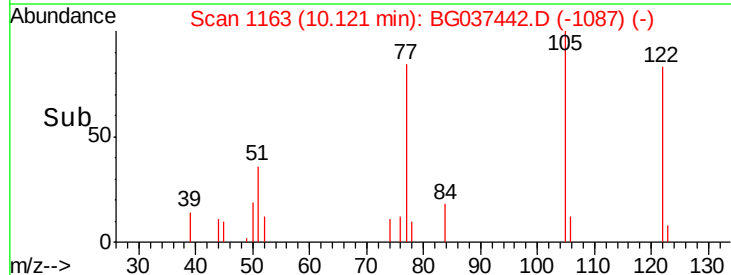
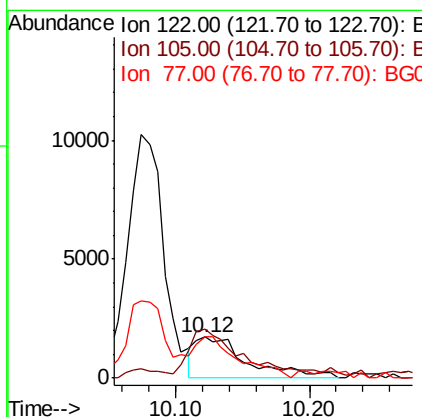
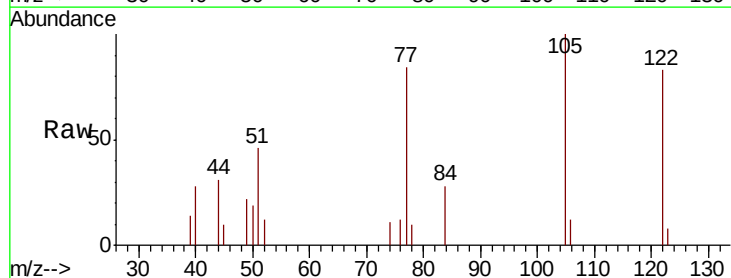
Manual Integrations  
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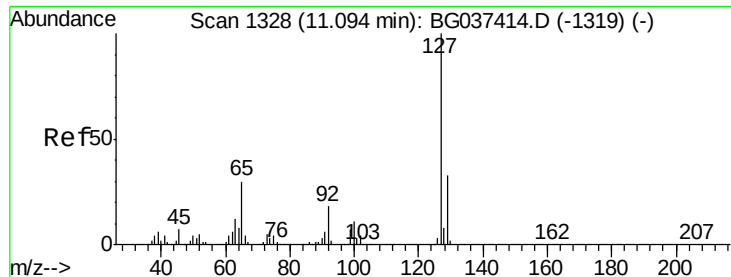
Sohil  
10/19/2018 3:57:54 PM



#32  
Benzoic acid  
Concen: 2.025 ng  
RT: 10.12 min Scan# 1163  
Delta R.T. -0.09 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.1 | 106.7 | 146.7 |
| 77      | 101.5 | 72.2  | 112.2 |





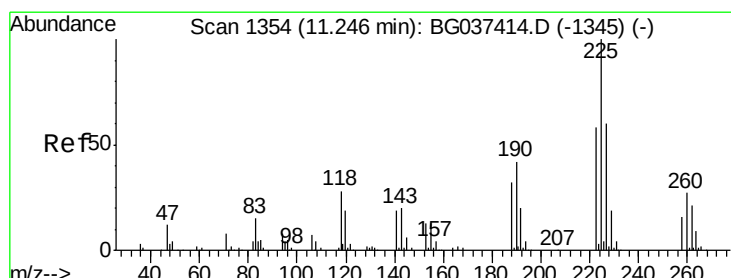
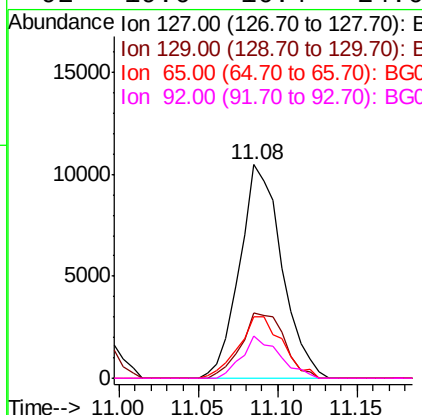
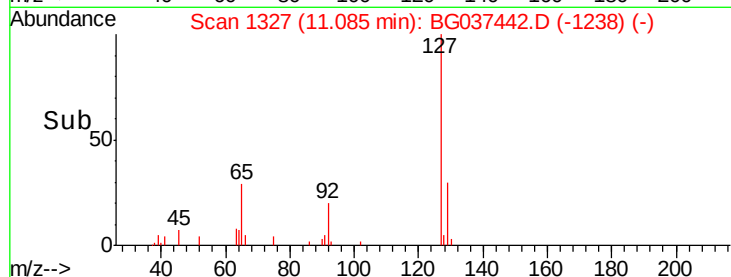
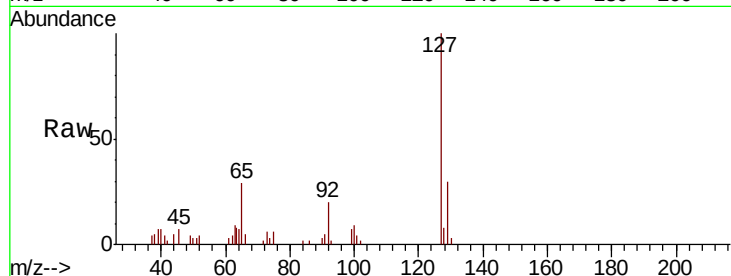
#33  
4-Chloroaniline  
Concen: 3.517 ng  
RT: 11.08 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 30.5 | 27.1  | 40.7 |       |       |
| 65      | 28.7 | 26.6  | 39.8 |       |       |
| 92      | 19.6 | 16.4  | 24.6 |       |       |

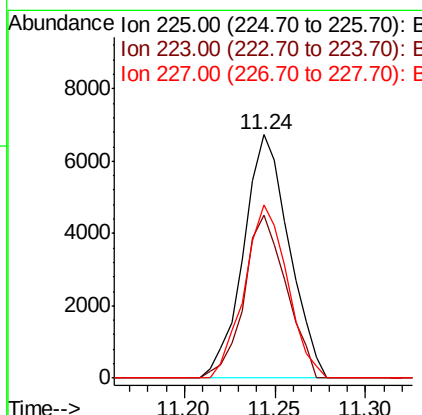
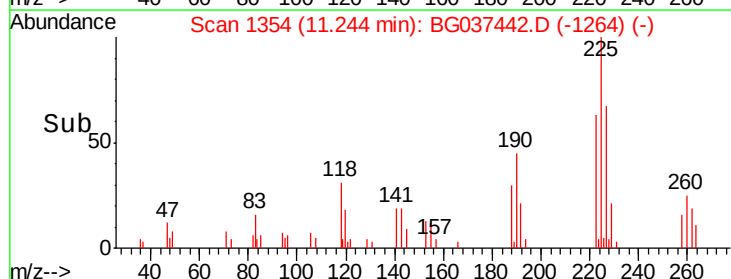
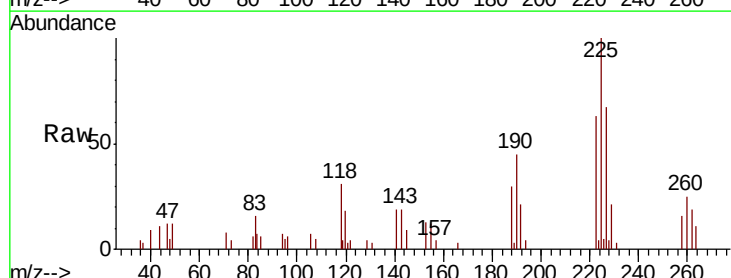
Manual Integrations  
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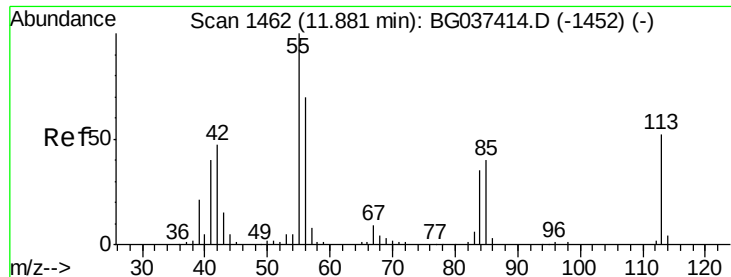
Sohil  
10/19/2018 3:57:54 PM



#34  
Hexachlorobutadiene  
Concen: 4.601 ng  
RT: 11.24 min Scan# 1354  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.9 | 48.2  | 72.4 |       |       |
| 227     | 68.1 | 51.6  | 77.4 |       |       |





#35

Caprolactam

Concen: 3.848 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:113 Resp: 6105

Ion Ratio Lower Upper

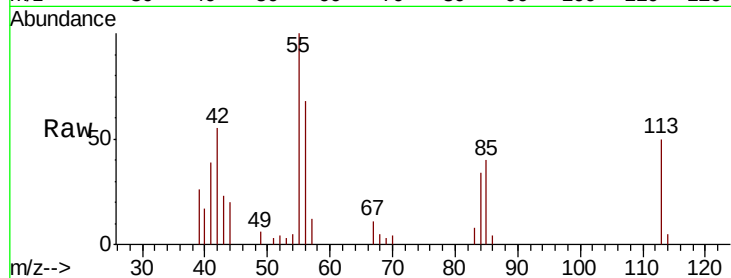
113 100

55 201.8 176.6 216.6

56 136.2 128.3 168.3

Manual Integrations  
APPROVED

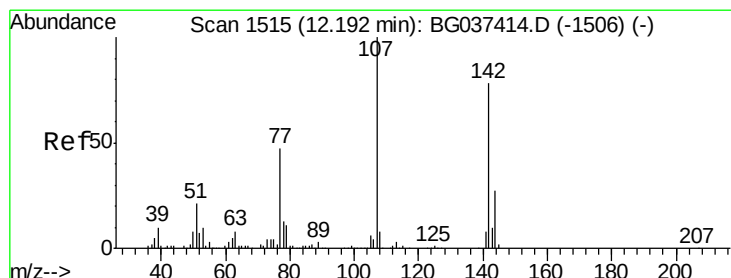
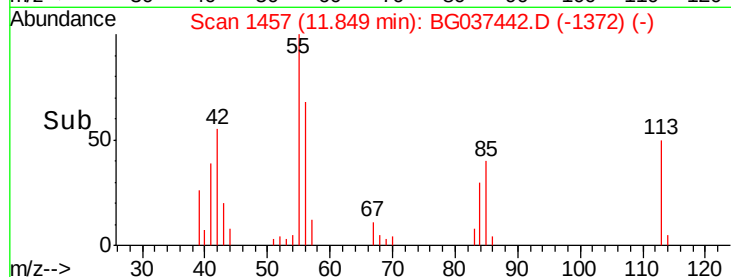
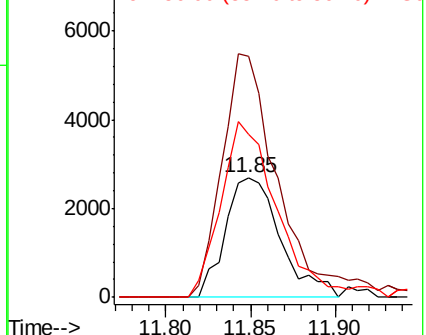
Sohil  
10/19/2018 3:57:54 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 4.498 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

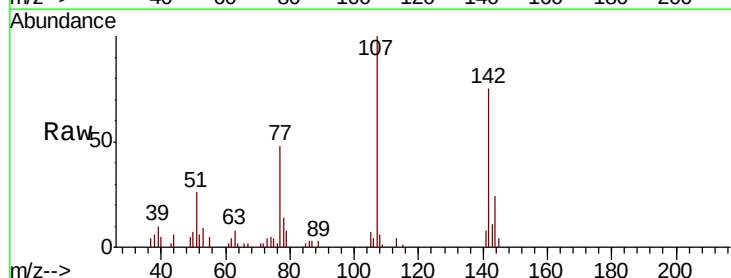
Tgt Ion:107 Resp: 20069

Ion Ratio Lower Upper

107 100

144 23.9 20.7 31.1

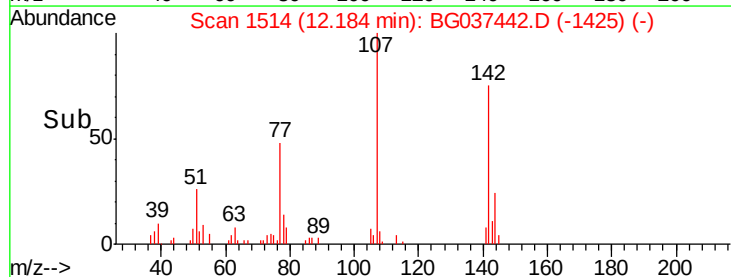
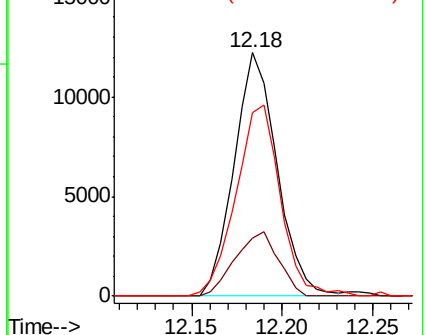
142 75.2 64.4 96.6

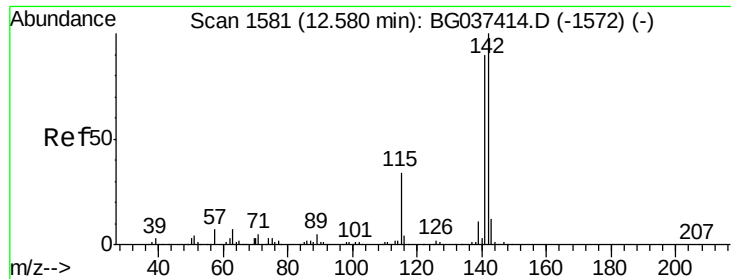


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





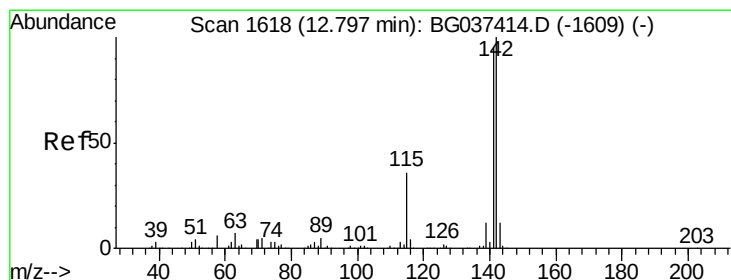
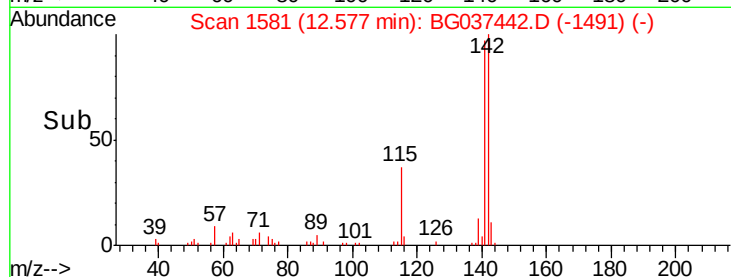
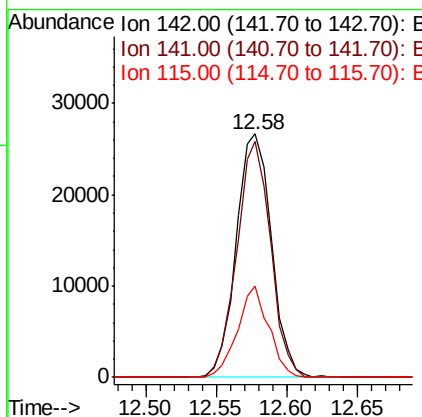
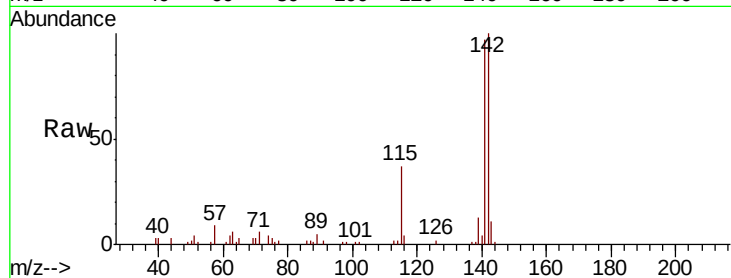
#37  
2-Methylnaphthalene  
Concen: 5.440 ng  
RT: 12.58 min Scan# 1581  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 96.9  | 71.9  | 107.9 |
| 115     | 37.3  | 27.8  | 41.8  |

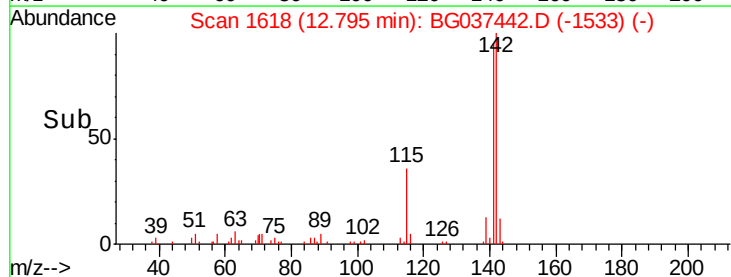
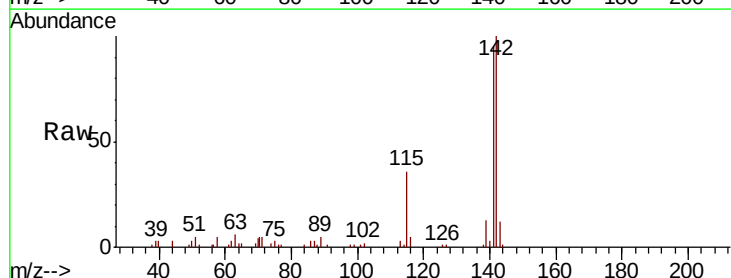
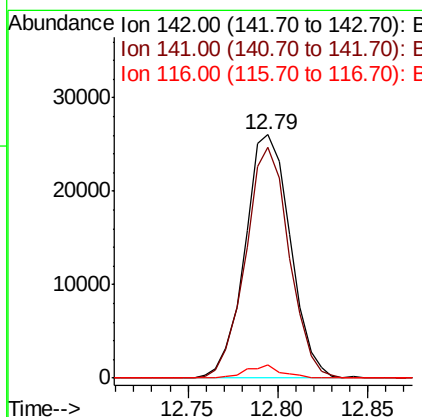
Manual Integrations  
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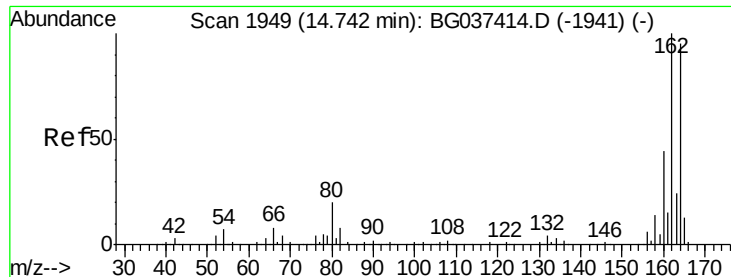
Sohil  
10/19/2018 3:57:54 PM



#38  
1-Methylnaphthalene  
Concen: 5.506 ng m  
RT: 12.79 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.7  | 75.2  | 112.8 |
| 116     | 5.3   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

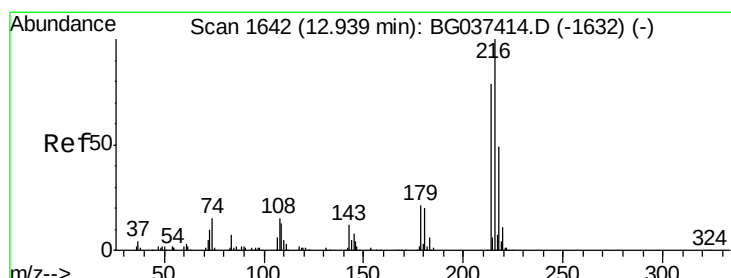
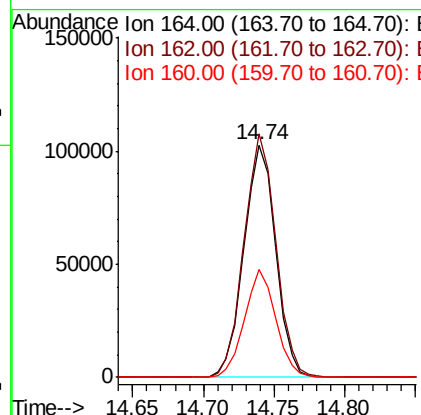
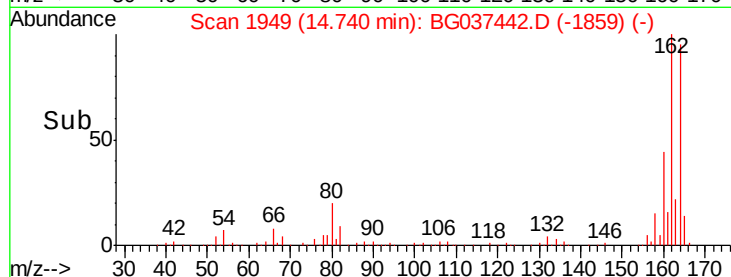
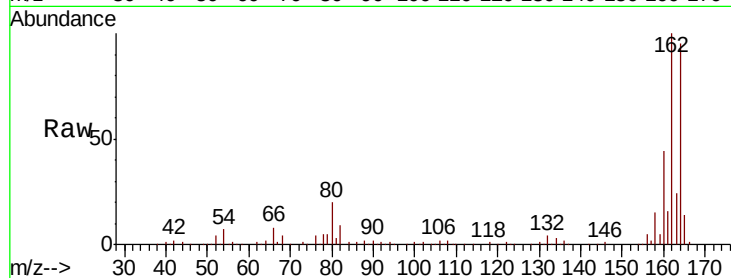
ClientSampleId :

MDL-WATER-03-QT4-2018

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 162086 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.8 | 81.3  | 121.9  |
| 160       | 46.2  | 36.3  | 54.5   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.649 ng

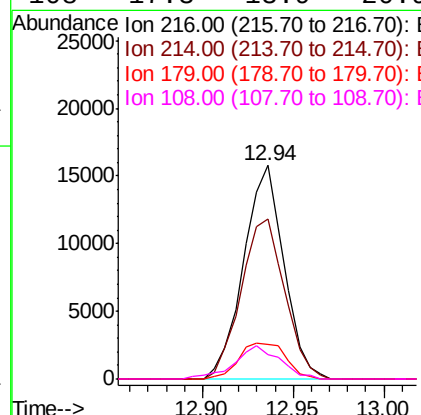
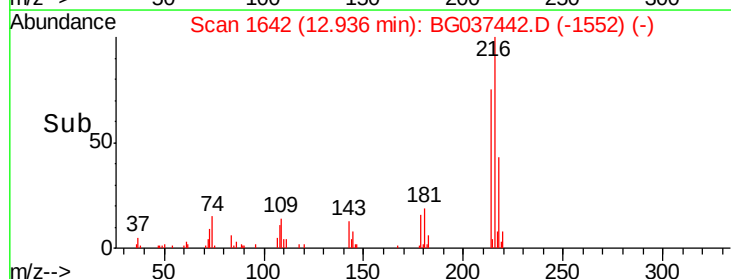
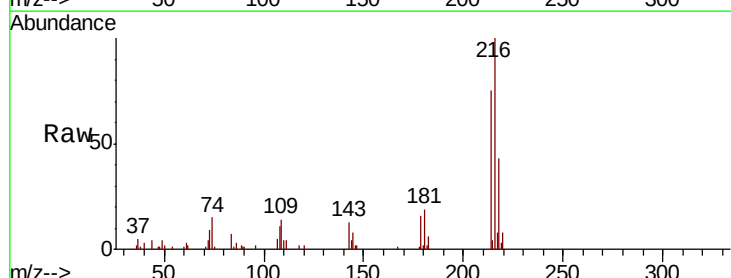
RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

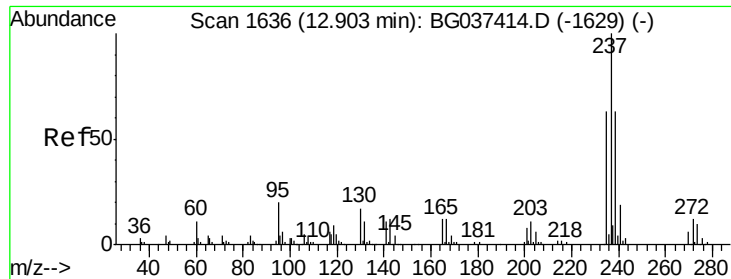
Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 24305 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 81.5  | 63.8  | 95.6  |
| 179       | 19.9  | 17.4  | 26.0  |
| 108       | 17.3  | 13.9  | 20.9  |







#41

Hexachlorocyclopentadiene

Concen: 4.516 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

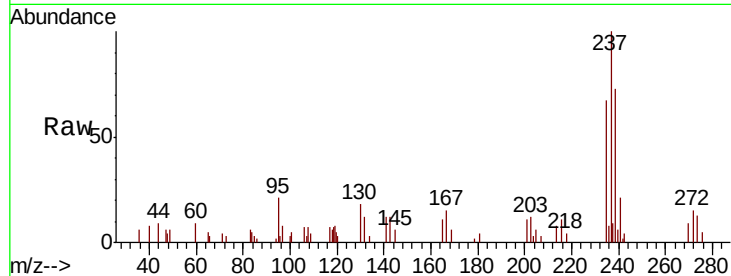
ClientSampleId :

MDL-WATER-03-QT4-2018

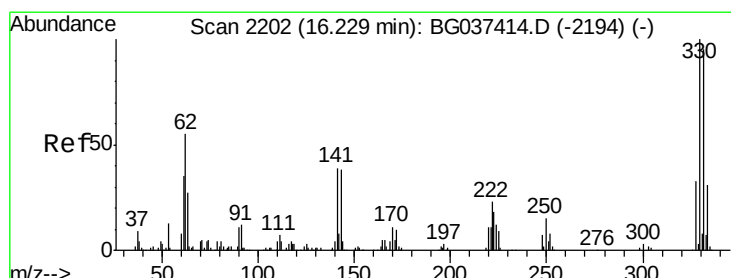
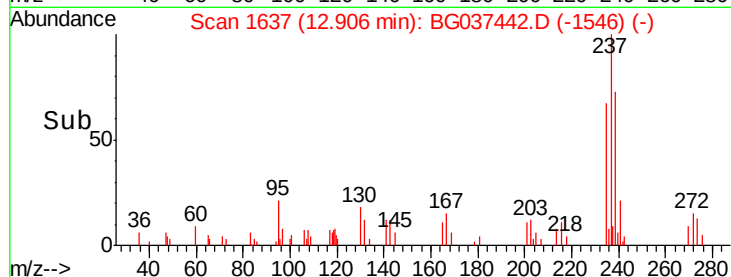
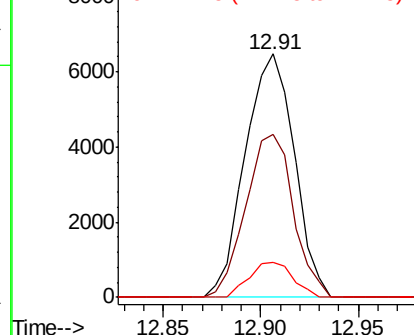
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 237   | Resp: | 11278 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 67.2  | 42.5  | 82.5  |
| 272       | 14.6  | 0.0   | 31.6  |

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Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 134.707 ng

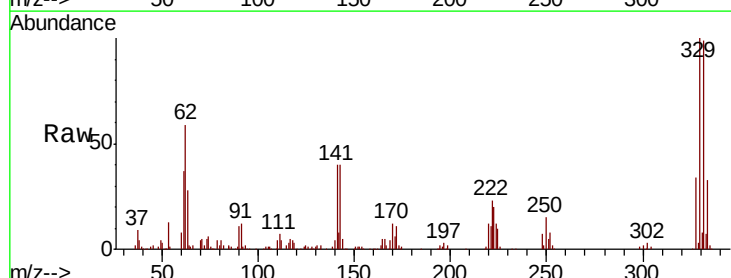
RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

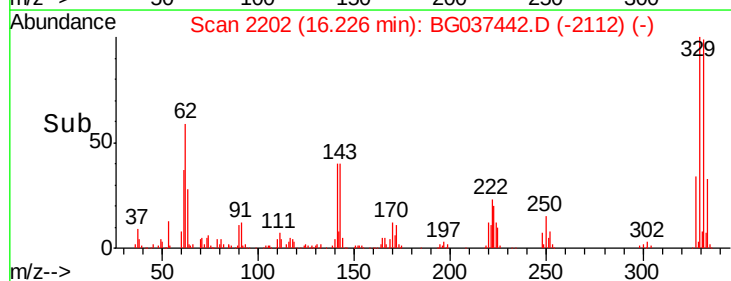
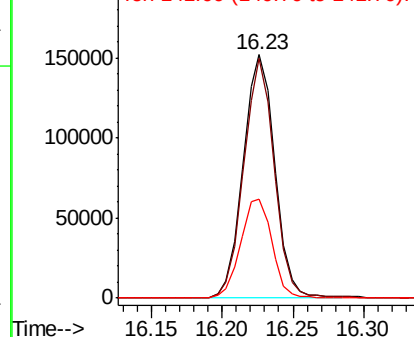
Lab File: BG037442.D

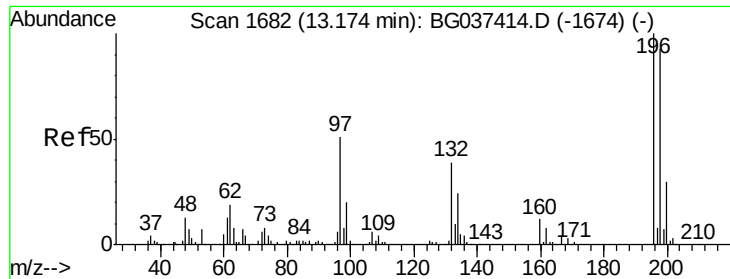
Acq: 19 Oct 2018 6:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 238142 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.4  | 78.4  | 117.6  |
| 141       | 40.7  | 32.2  | 48.2   |



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





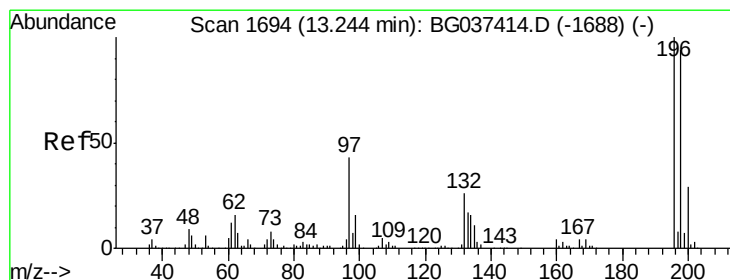
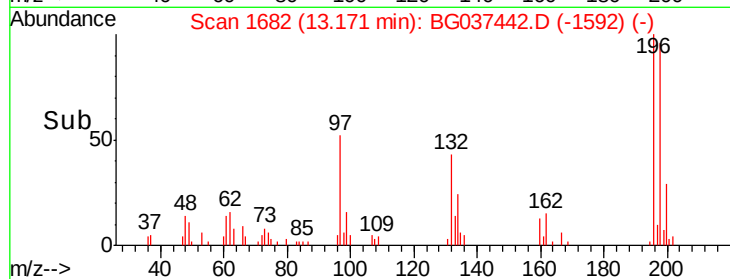
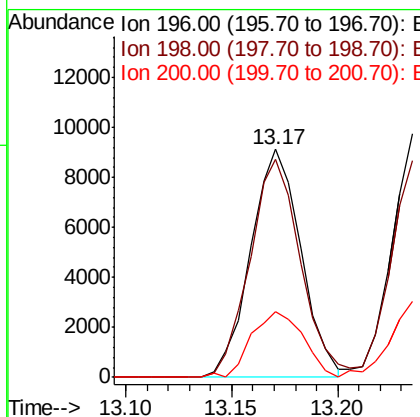
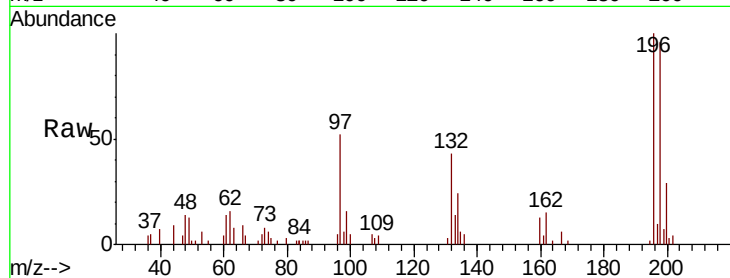
#43  
 2,4,6-Trichlorophenol  
 Concen: 4.307 ng  
 RT: 13.17 min Scan# 1682  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 15043 |       |       |
| 198     | 95.7  | 76.4  | 114.6 |       |
| 200     | 31.3  | 24.9  | 37.3  |       |

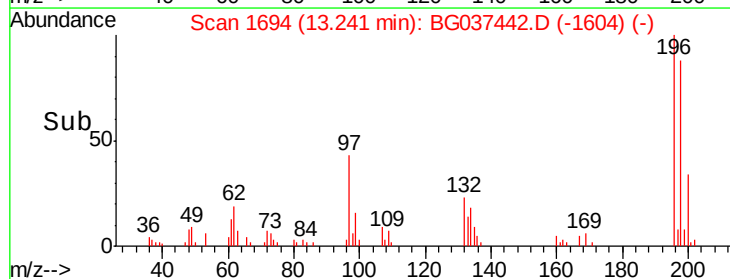
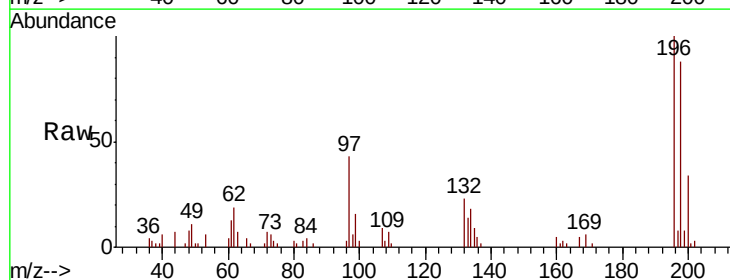
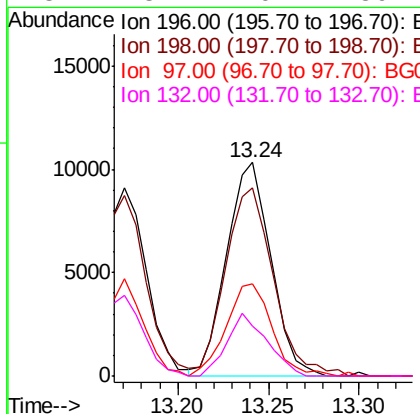
Manual Integrations  
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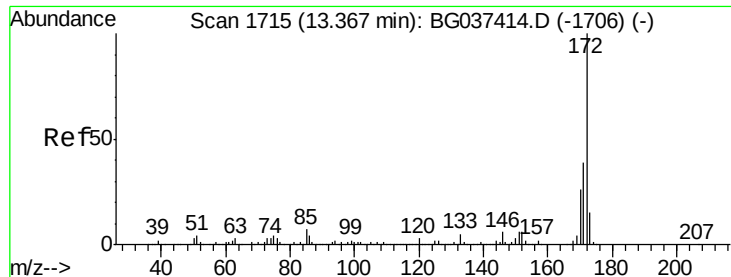
Sohil  
 10/19/2018 3:57:54 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 4.623 ng  
 RT: 13.24 min Scan# 1694  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 17581 |       |       |
| 198     | 87.8  | 74.2  | 111.2 |       |
| 97      | 43.1  | 34.1  | 51.1  |       |
| 132     | 23.4  | 20.2  | 30.4  |       |





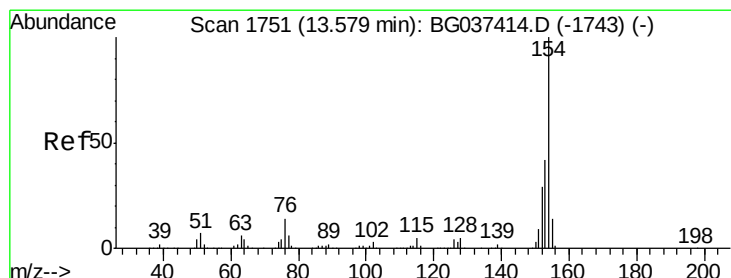
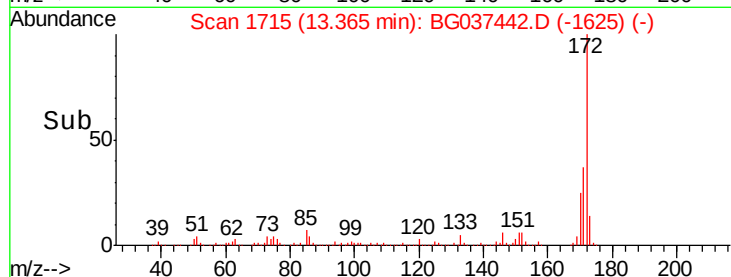
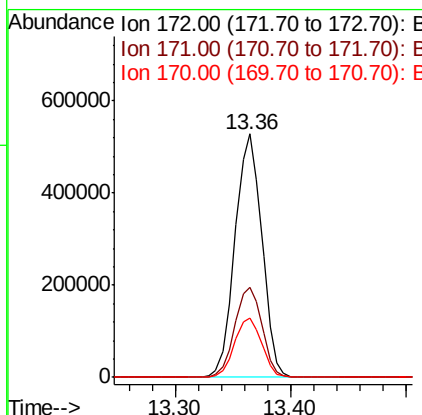
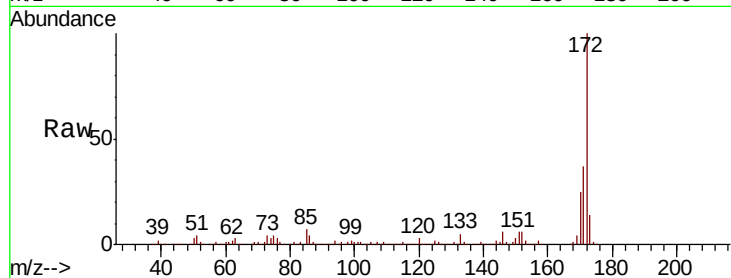
#45  
2-Fluorobiphenyl  
Concen: 79.192 ng  
RT: 13.36 min Scan# 1715  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 31.0  | 46.4  |
| 170     | 24.6  | 20.2  | 30.2  |

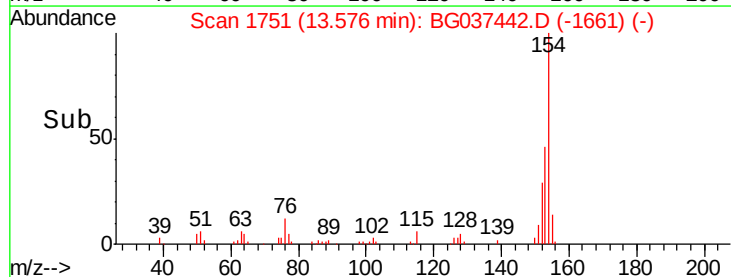
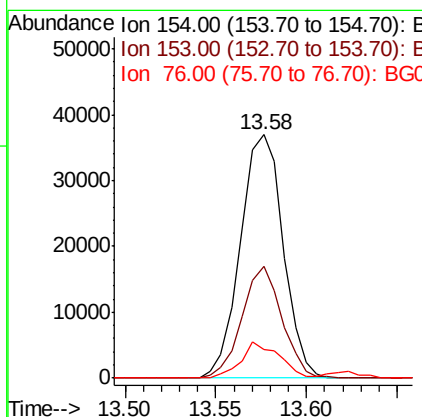
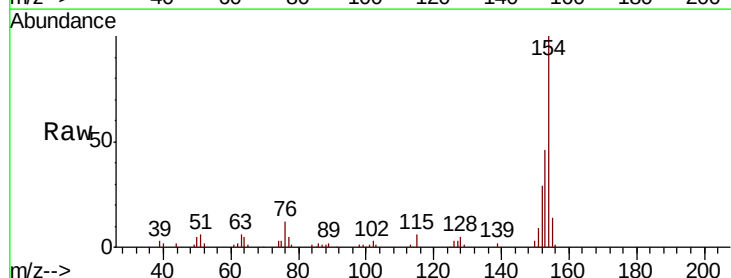
Manual Integrations  
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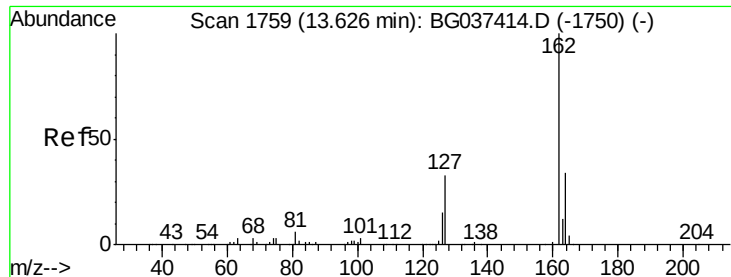
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#46  
1,1'-Biphenyl  
Concen: 4.500 ng  
RT: 13.58 min Scan# 1751  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 46.1  | 22.1  | 62.1  |
| 76      | 12.0  | 0.0   | 33.2  |





#47

2-Chloronaphthalene

Concen: 4.777 ng

RT: 13.62 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

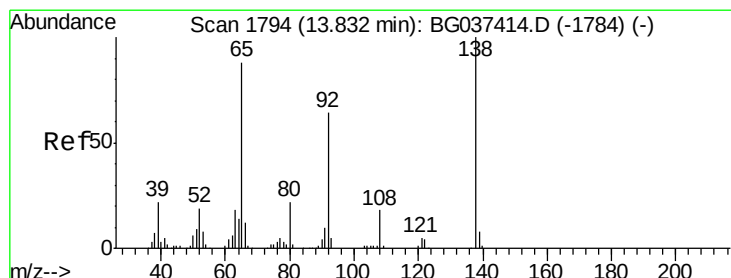
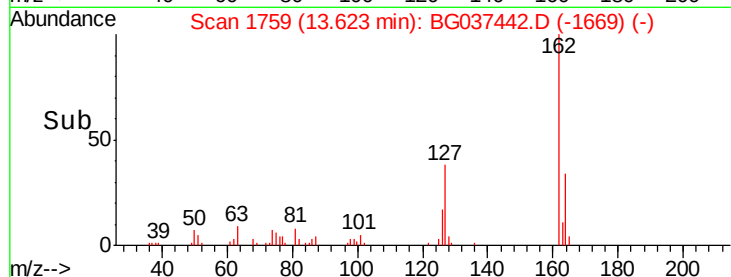
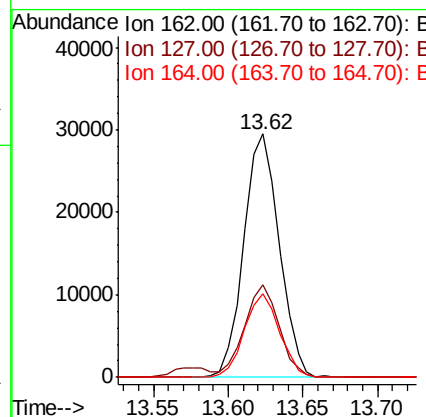
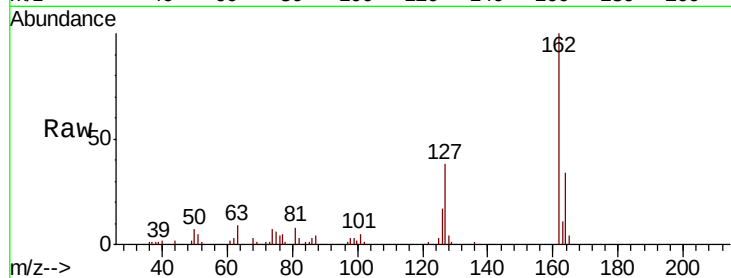
ClientSampleId :

MDL-WATER-03-QT4-2018

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 162  | Resp: | 48512 |
| Ion Ratio |      | Lower | Upper |
| 162       | 100  |       |       |
| 127       | 38.1 | 30.5  | 45.7  |
| 164       | 34.5 | 26.4  | 39.6  |

Manual Integrations  
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#48

2-Nitroaniline

Concen: 4.419 ng

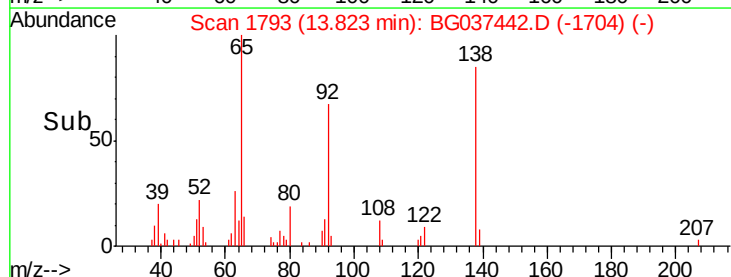
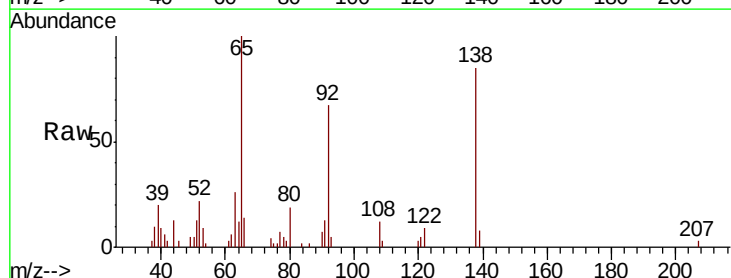
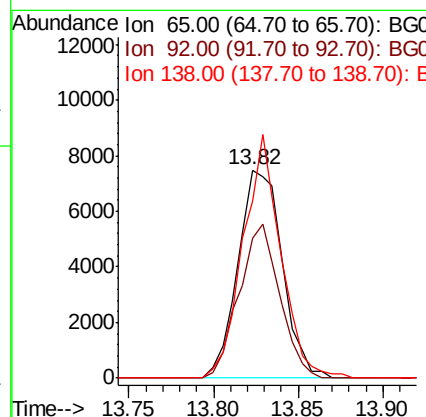
RT: 13.82 min Scan# 1793

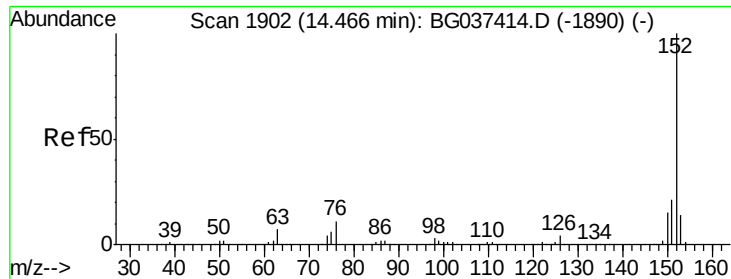
Delta R.T. -0.01 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 65   | Resp: | 13610 |
| Ion Ratio |      | Lower | Upper |
| 65        | 100  |       |       |
| 92        | 67.4 | 53.2  | 79.8  |
| 138       | 85.0 | 79.3  | 118.9 |





#49

Acenaphthylene

Concen: 5.251 ng

RT: 14.47 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

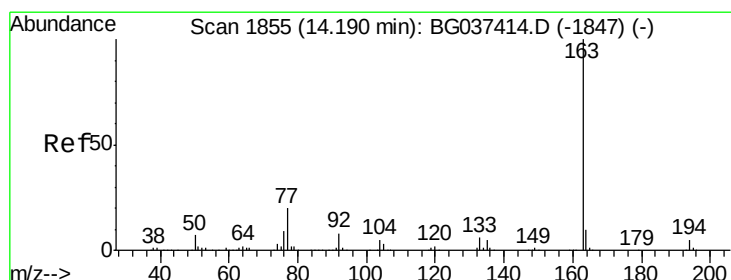
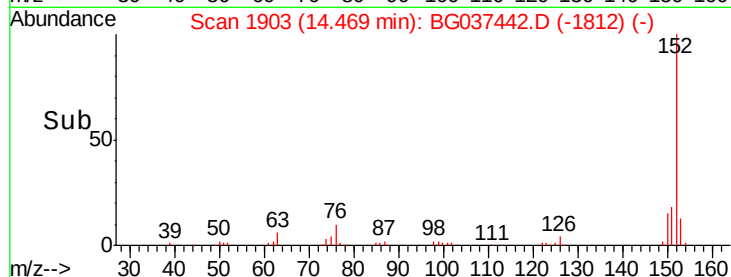
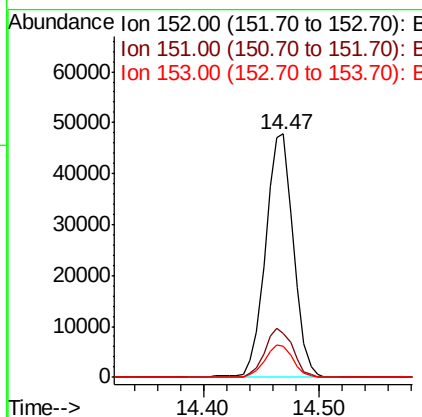
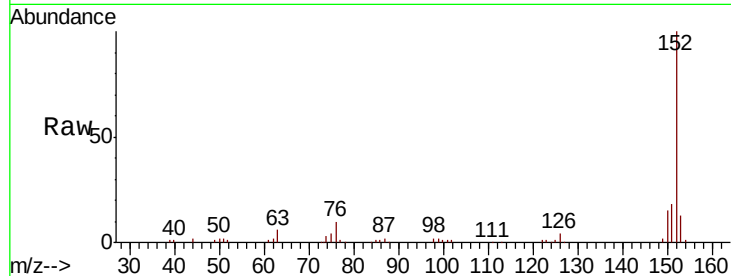
ClientSampleId :

MDL-WATER-03-QT4-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 80216 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 18.1  | 17.1  | 25.7  |
| 153       | 12.6  | 11.1  | 16.7  |

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#50

Dimethylphthalate

Concen: 5.090 ng

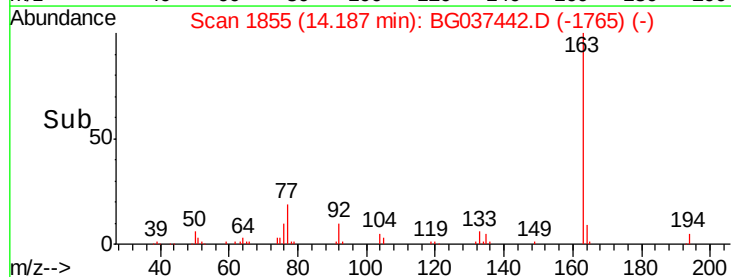
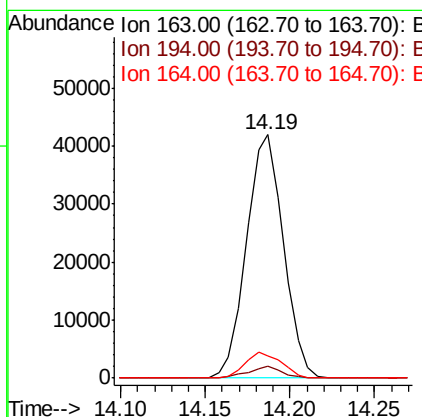
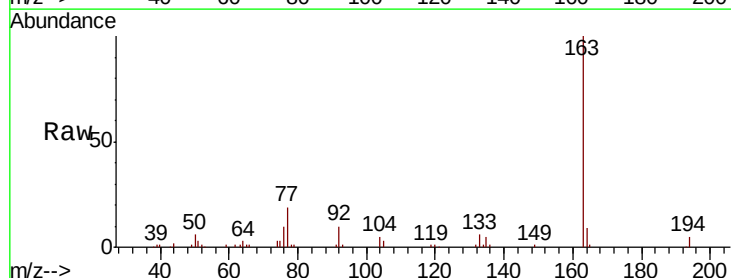
RT: 14.19 min Scan# 1855

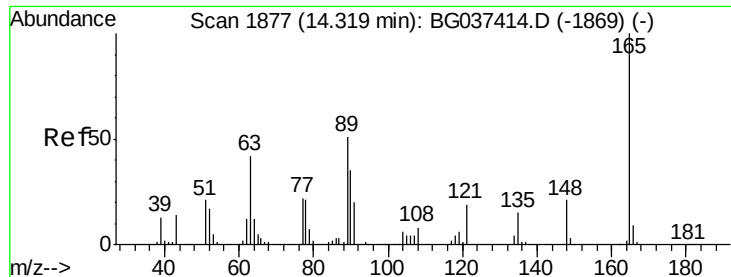
Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 63827 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 4.9   | 3.5   | 5.3   |
| 164       | 9.3   | 8.5   | 12.7  |





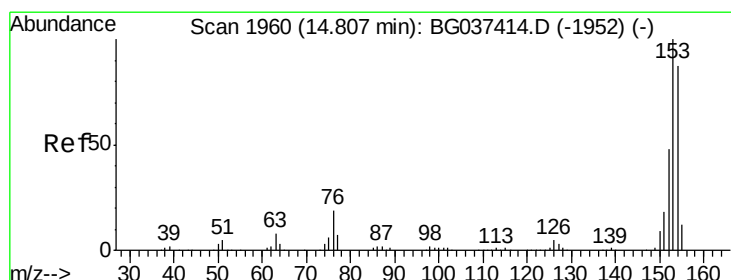
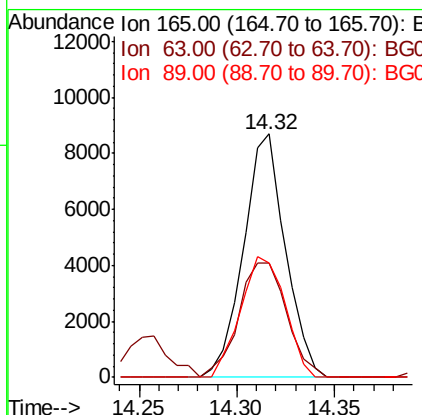
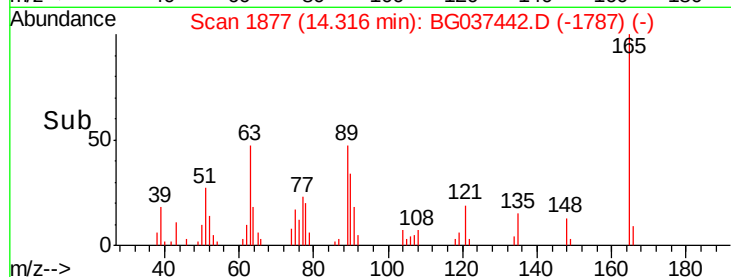
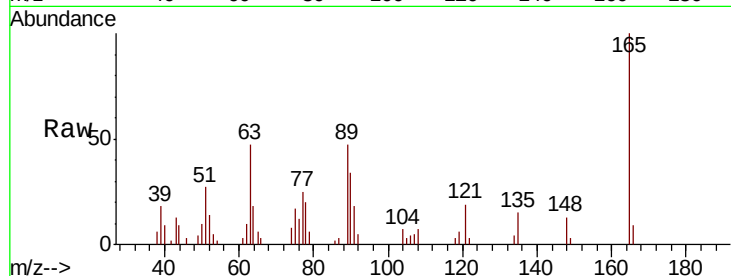
#51  
 2,6-Dinitrotoluene  
 Concen: 4.646 ng  
 RT: 14.32 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 12889 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 47.0  | 43.4  | 65.2  |
| 89        | 46.8  | 45.8  | 68.6  |

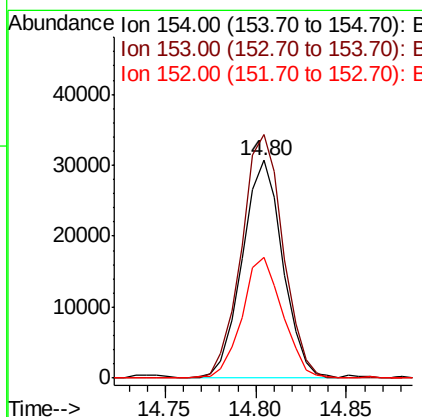
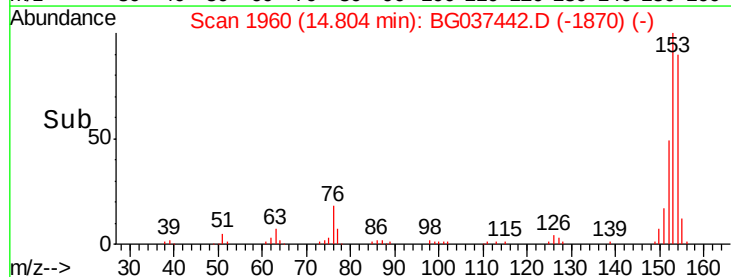
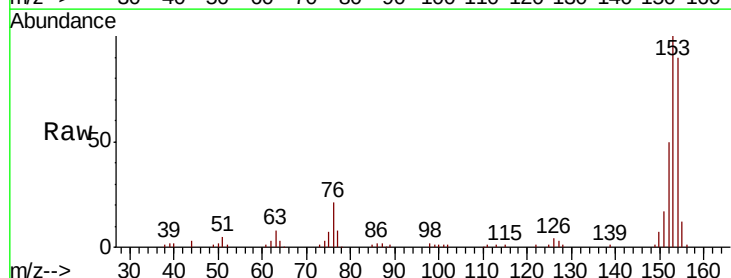
Manual Integrations  
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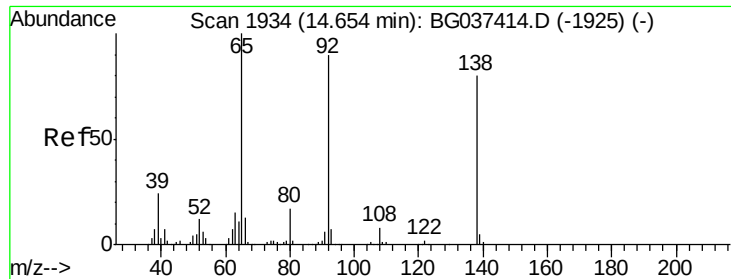
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 10/19/2018 3:57:54 PM



#52  
 Acenaphthene  
 Concen: 5.061 ng  
 RT: 14.80 min Scan# 1960  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 47617 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 111.7 | 93.4  | 140.0 |
| 152       | 55.7  | 44.7  | 67.1  |





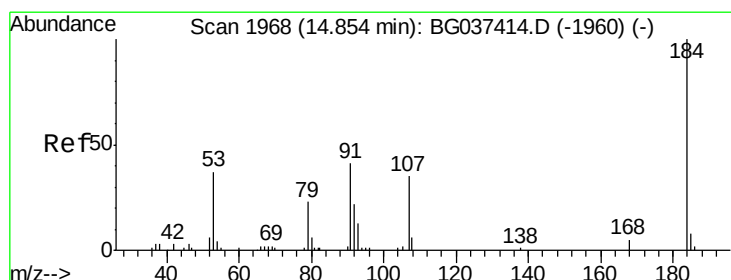
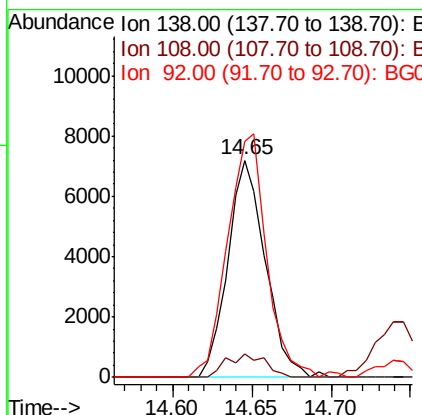
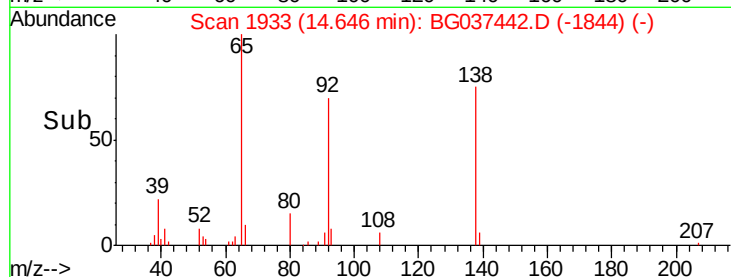
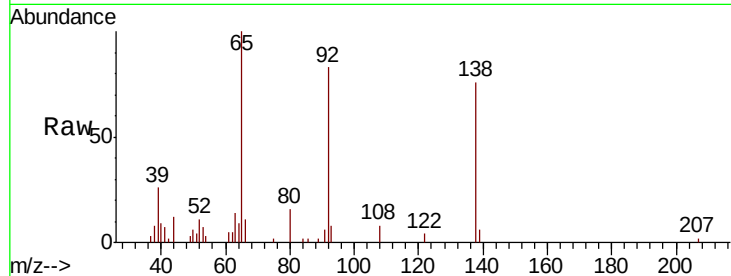
#53  
3-Nitroaniline  
Concen: 3.830 ng  
RT: 14.65 min Scan# 1933  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.1  | 11.0  | 16.6  |
| 92      | 108.8 | 95.2  | 142.8 |

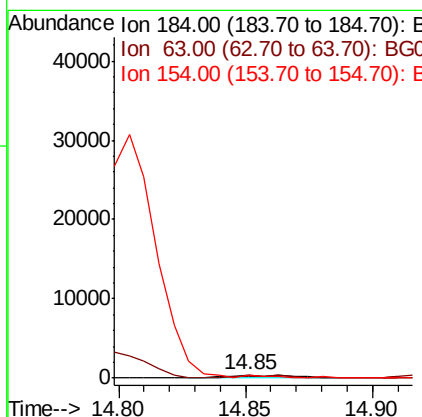
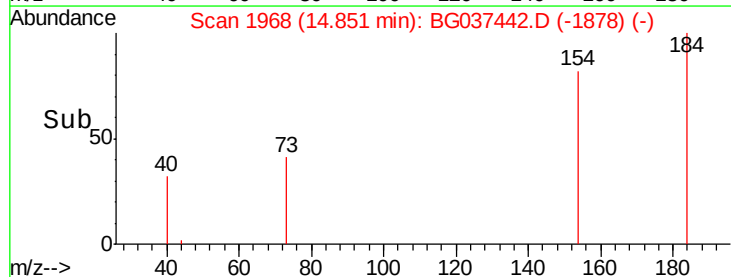
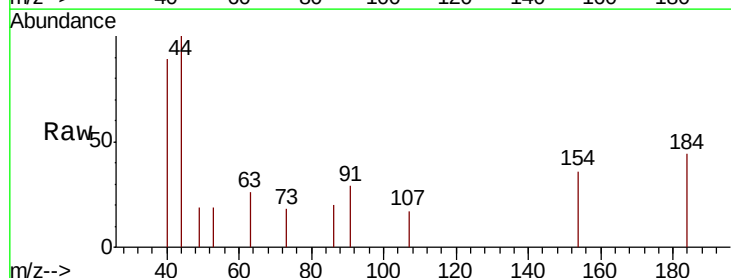
Manual Integrations  
APPROVED

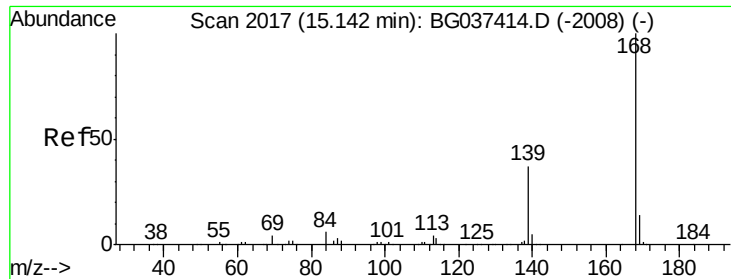
Sohil  
10/19/2018 3:57:54 PM



#54  
2,4-Dinitrophenol  
Concen: 7.145 ng  
RT: 14.85 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 58.5  | 42.6  | 63.8  |
| 154     | 81.5  | 41.8  | 62.6# |





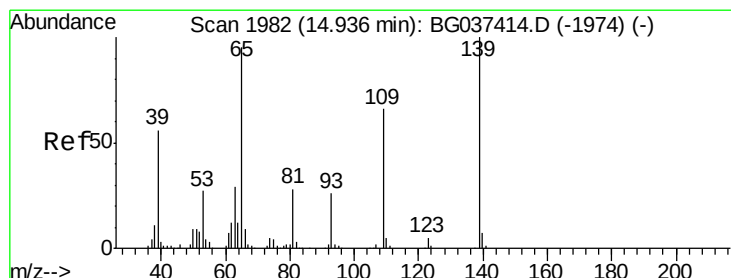
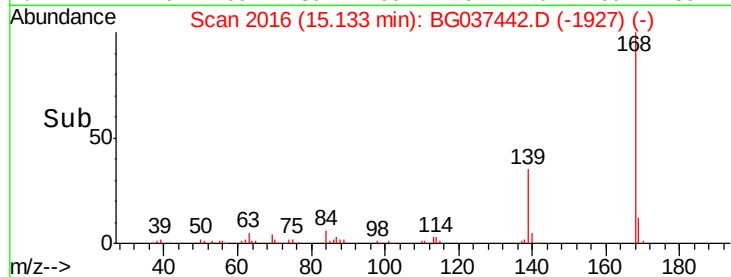
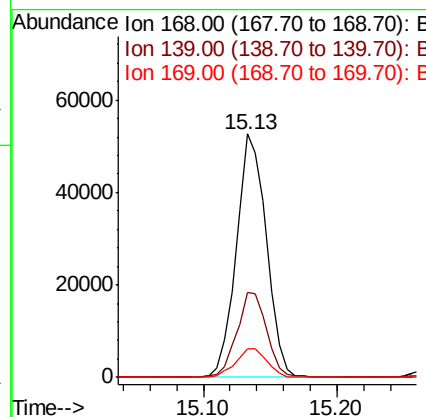
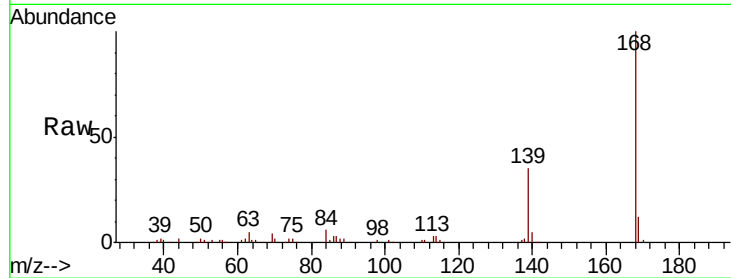
#55  
Dibenzenofuran  
Concen: 5.263 ng  
RT: 15.13 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 35.1  | 29.4  | 44.0  |
| 169     | 11.8  | 11.0  | 16.6  |

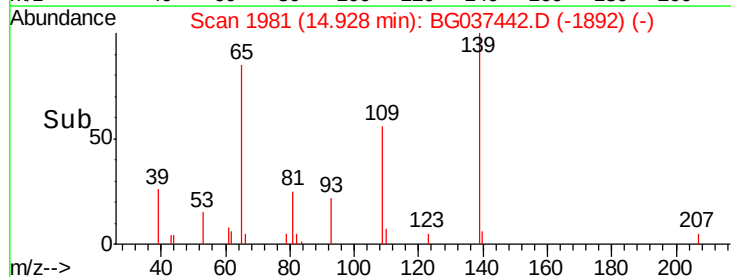
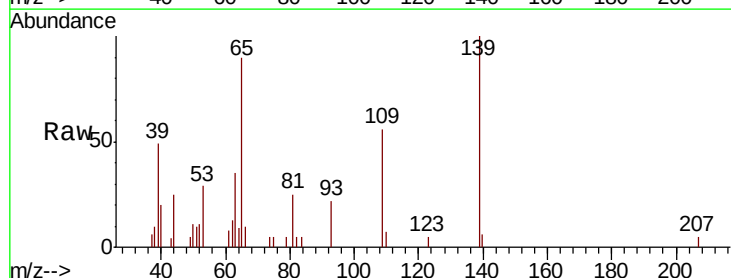
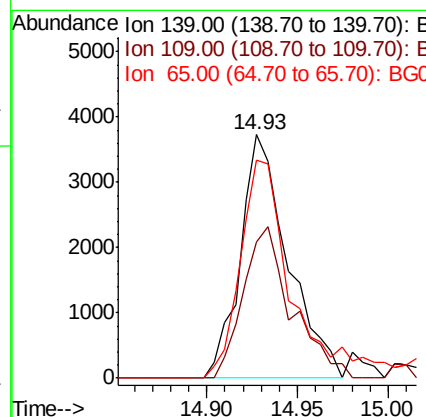
Manual Integrations  
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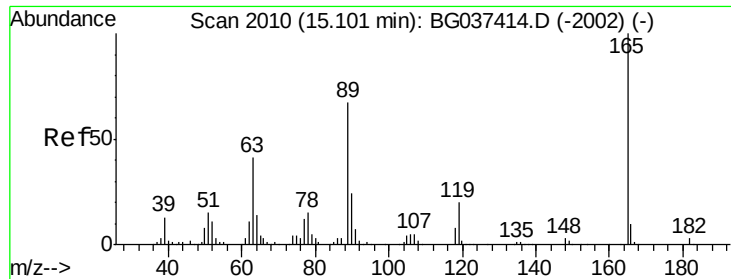


#56  
4-Nitrophenol  
Concen: 2.980 ng  
RT: 14.93 min Scan# 1981  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 55.9  | 49.5  | 89.5  |
| 65      | 89.7  | 76.8  | 116.8 |







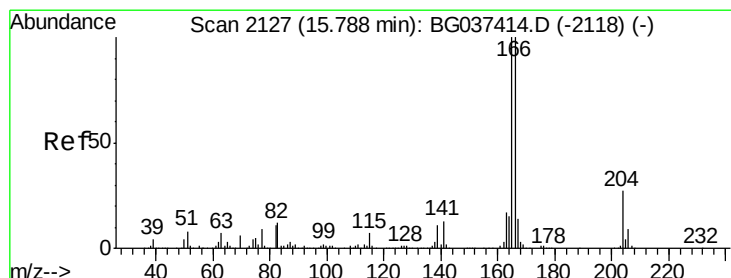
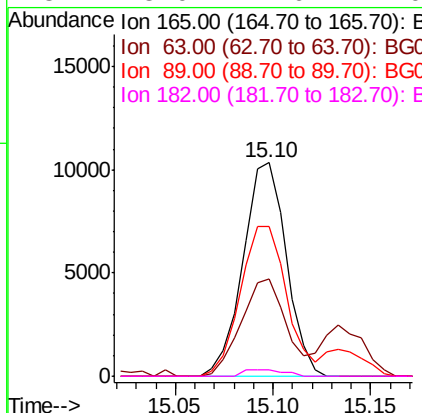
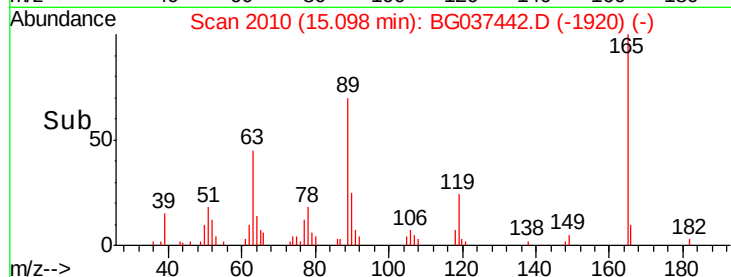
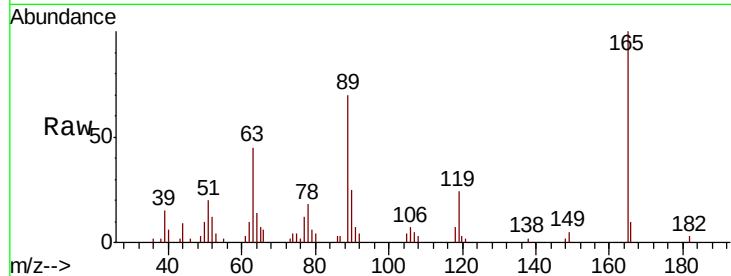
#57  
2,4-Dinitrotoluene  
Concen: 4.370 ng  
RT: 15.10 min Scan# 2010  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 45.3  | 33.4  | 50.0  |
| 89      | 70.2  | 57.2  | 85.8  |
| 182     | 3.0   | 2.6   | 4.0   |

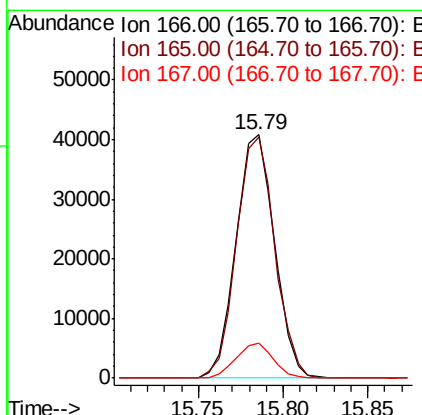
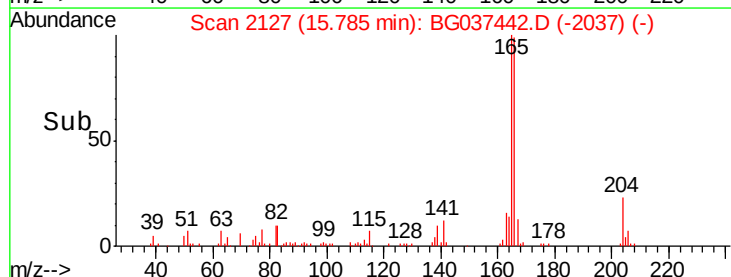
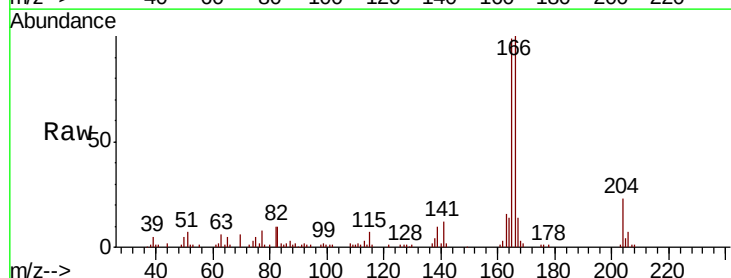
Manual Integrations  
APPROVED

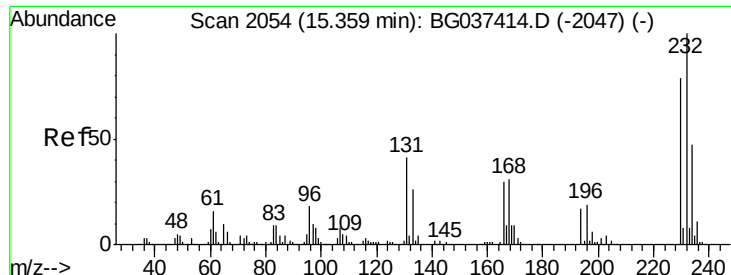
Sohil  
10/19/2018 3:57:54 PM



#58  
Fluorene  
Concen: 5.529 ng  
RT: 15.79 min Scan# 2127  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.9  | 79.0  | 118.6 |
| 167     | 14.2  | 11.3  | 16.9  |





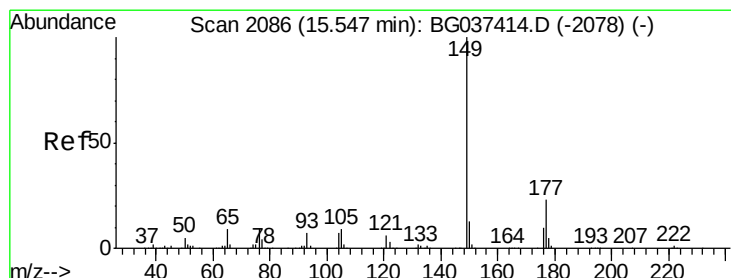
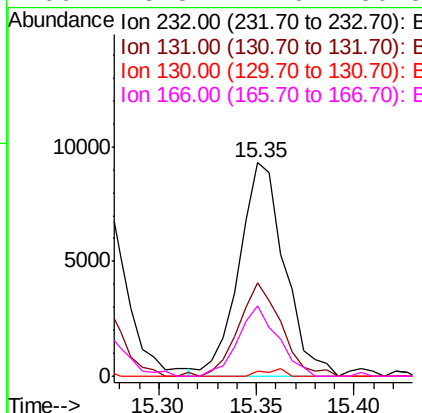
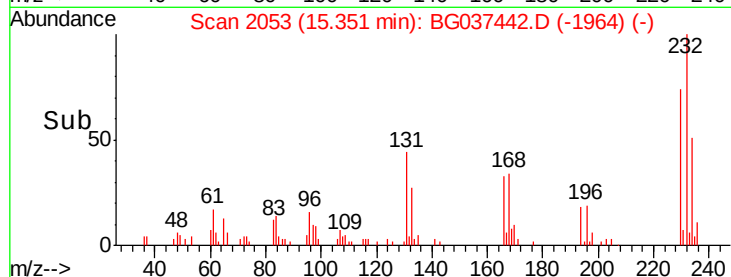
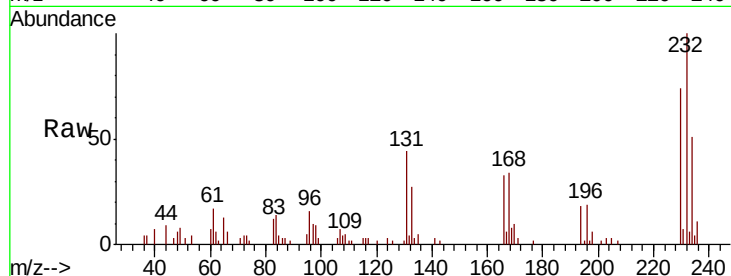
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 4.623 ng  
 RT: 15.35 min Scan# 2053  
 Delta R.T. -0.01 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 41.2  |      | 33.7  | 50.5  |
| 130     | 1.7   |      | 2.1   | 3.1   |
| 166     | 28.8  |      | 24.6  | 36.8  |

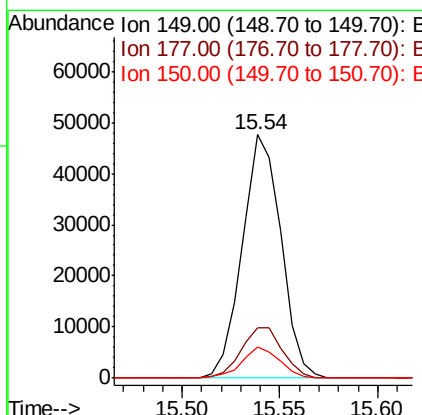
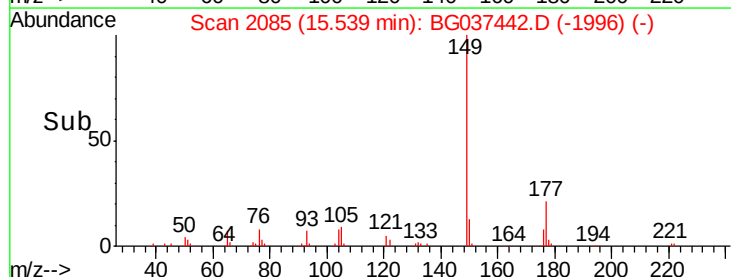
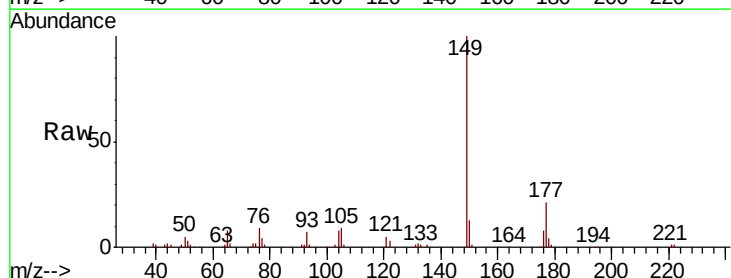
Manual Integrations  
 APPROVED

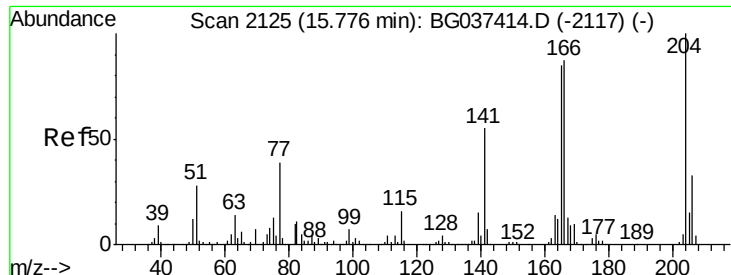
Sohil  
 10/19/2018 3:57:54 PM



#60  
 Diethylphthalate  
 Concen: 5.078 ng  
 RT: 15.54 min Scan# 2085  
 Delta R.T. -0.01 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 177     | 20.9  |      | 18.3  | 27.5  |
| 150     | 12.8  |      | 10.0  | 15.0  |





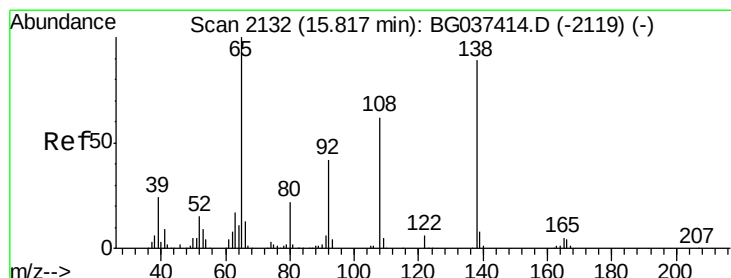
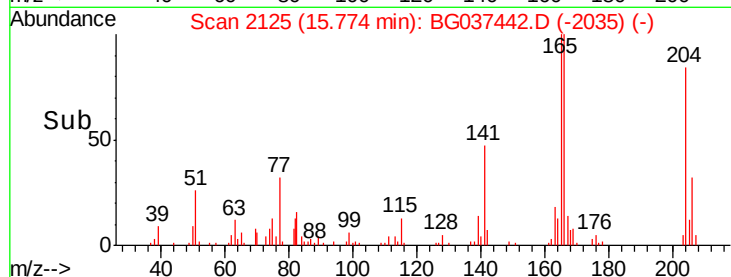
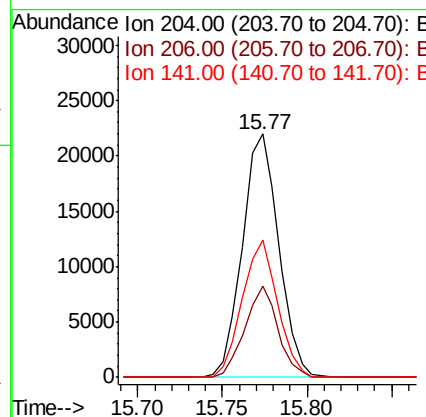
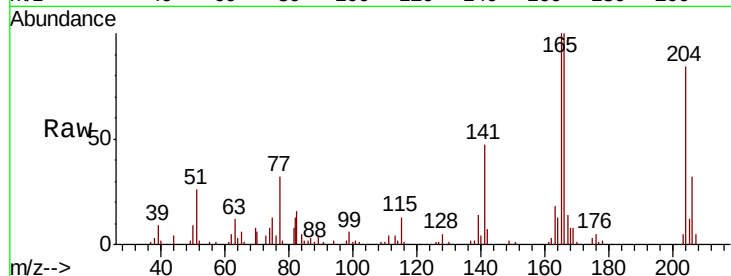
#61  
4-Chlorophenyl-phenylether  
Concen: 4.849 ng  
RT: 15.77 min Scan# 2125  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 37.7  | 26.6  | 39.8  |
| 141     | 56.3  | 45.4  | 68.2  |

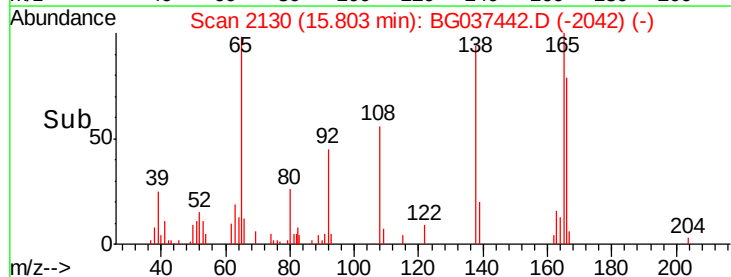
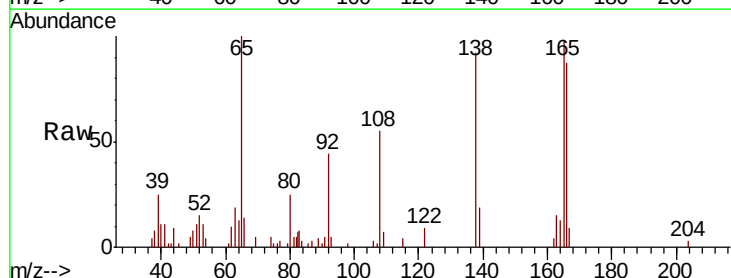
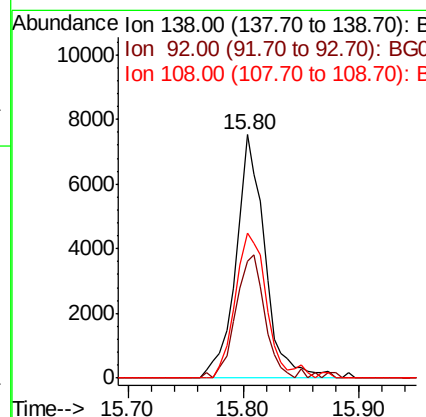
Manual Integrations  
APPROVED

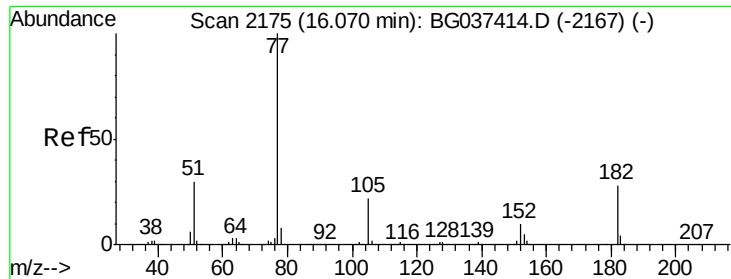
Sohil  
10/19/2018 3:57:54 PM



#62  
4-Nitroaniline  
Concen: 4.263 ng  
RT: 15.80 min Scan# 2130  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 92      | 48.1  | 36.4  | 76.4   |
| 108     | 59.6  | 60.1  | 100.1# |





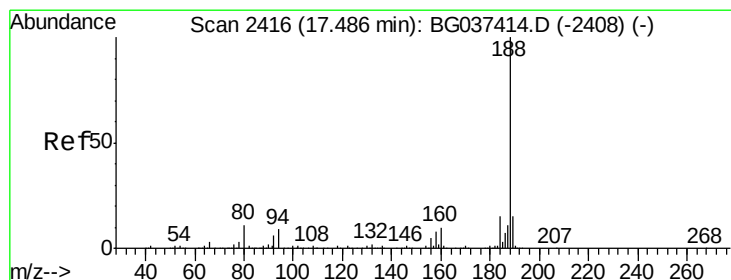
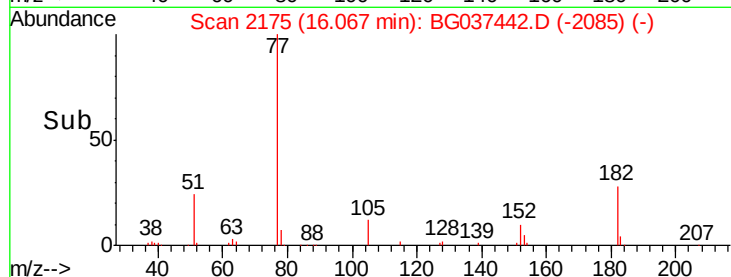
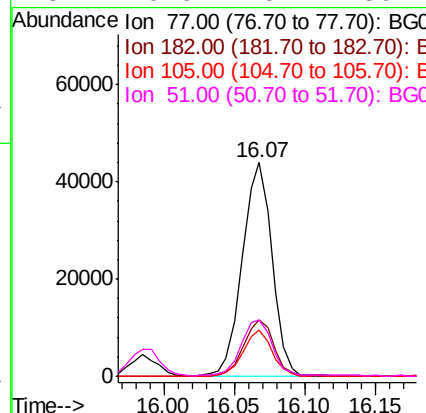
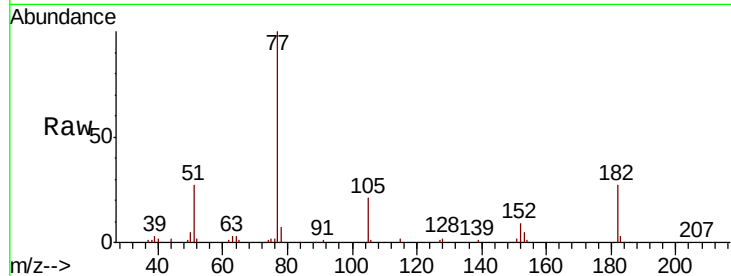
#63  
Azobenzene  
Concen: 5.279 ng  
RT: 16.07 min Scan# 2175  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 26.6 | 8.0   | 48.0  |       |
| 105     | 21.3 | 1.3   | 41.3  |       |
| 51      | 26.6 | 10.7  | 50.7  |       |

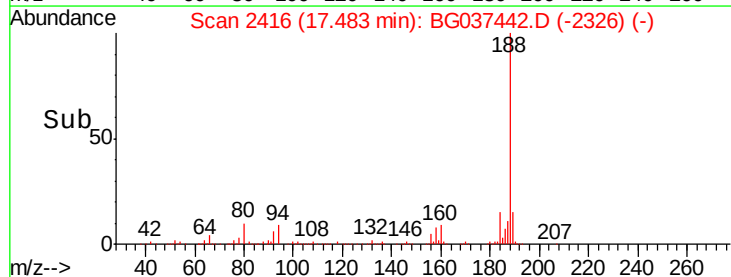
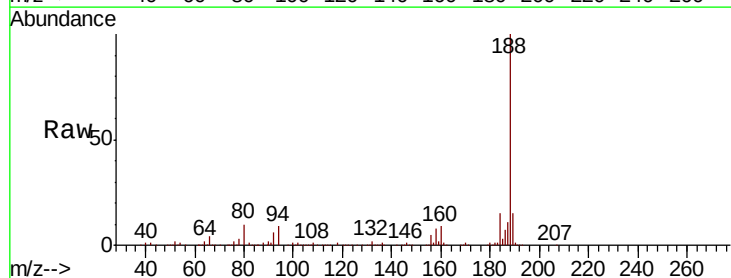
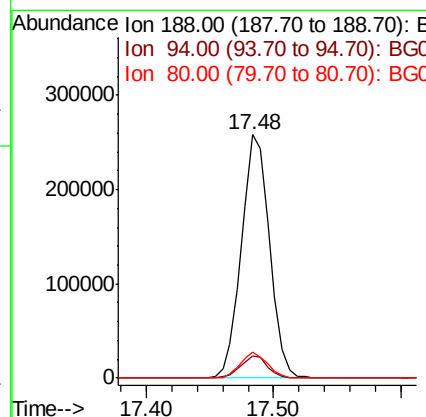
Manual Integrations  
APPROVED

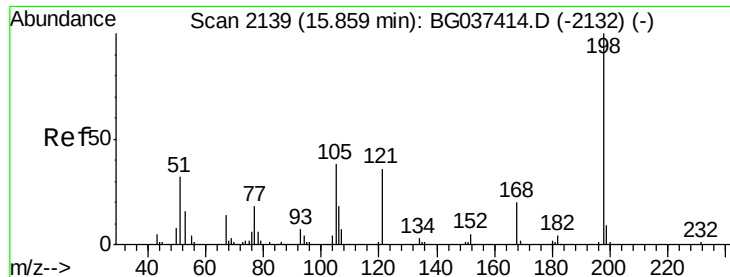
Sohil  
10/19/2018 3:57:54 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 9.1  | 7.2   | 10.8  |       |
| 80      | 10.4 | 7.7   | 11.5  |       |





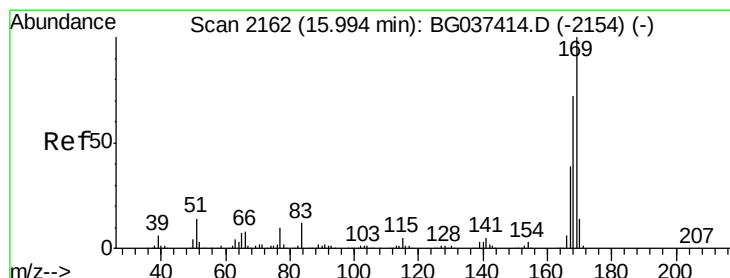
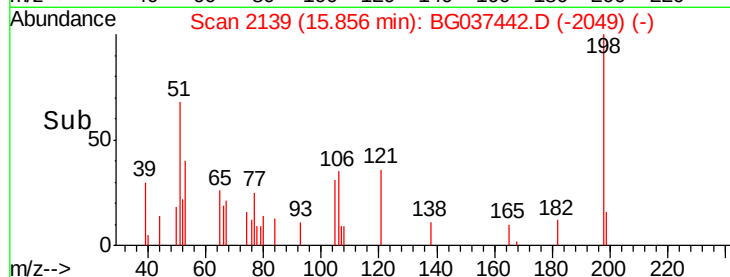
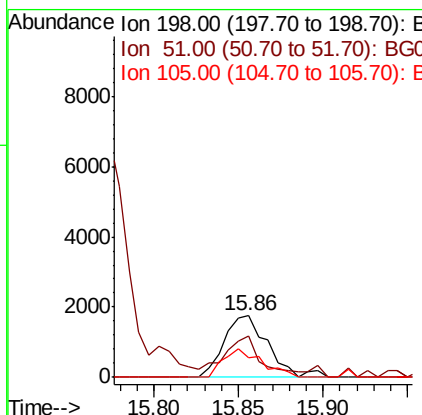
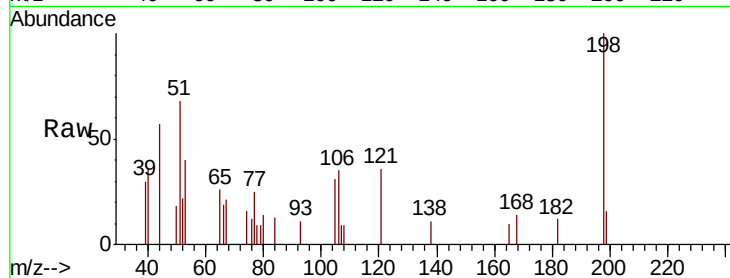
#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.754 ng  
RT: 15.86 min Scan# 2139  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 67.9  | 22.7  | 62.7# |
| 105     | 31.4  | 19.7  | 59.7  |

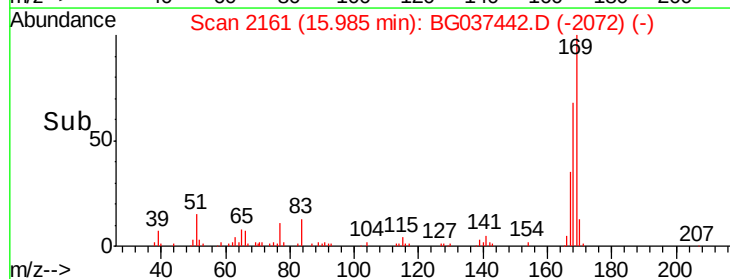
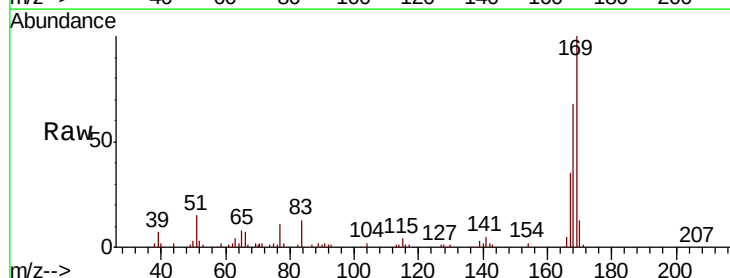
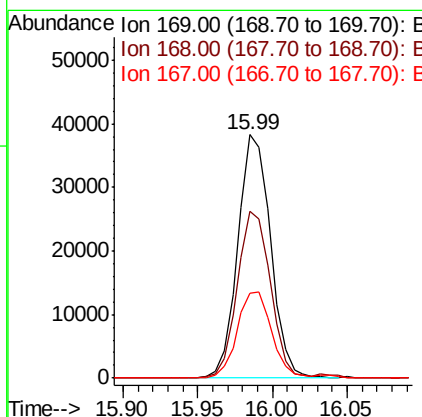
Manual Integrations  
APPROVED

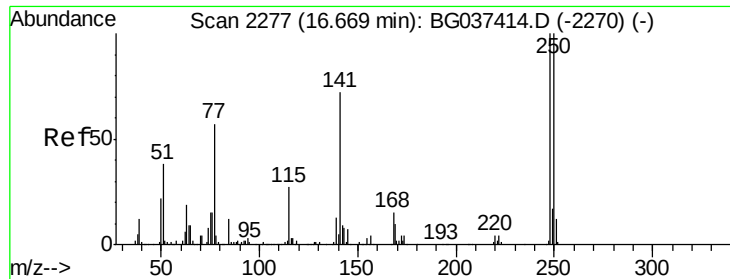
Sohil  
10/19/2018 3:57:54 PM



#66  
n-Nitrosodiphenylamine  
Concen: 4.897 ng  
RT: 15.99 min Scan# 2161  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 68.4  | 55.7  | 83.5  |
| 167     | 35.0  | 31.3  | 46.9  |





#67

4-Bromophenyl-phenylether

Concen: 4.753 ng

RT: 16.67 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

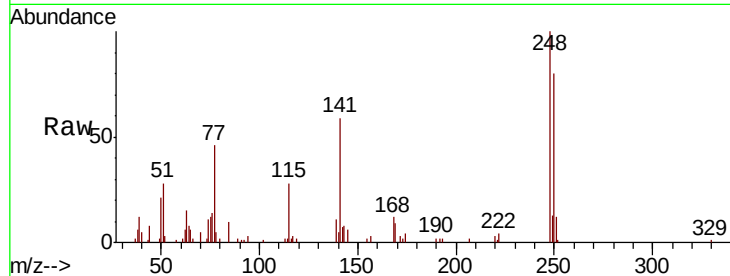
ClientSampleId :

MDL-WATER-03-QT4-2018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 248   | Resp: | 20655 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 79.5  | 77.0  | 115.6 |
| 141       | 58.7  | 55.5  | 83.3  |

Manual Integrations  
APPROVED

Sohil  
10/19/2018 3:57:54 PM

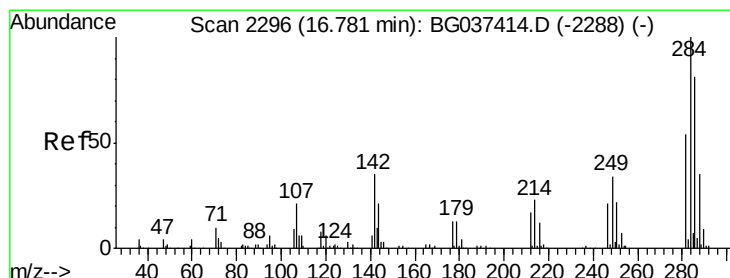
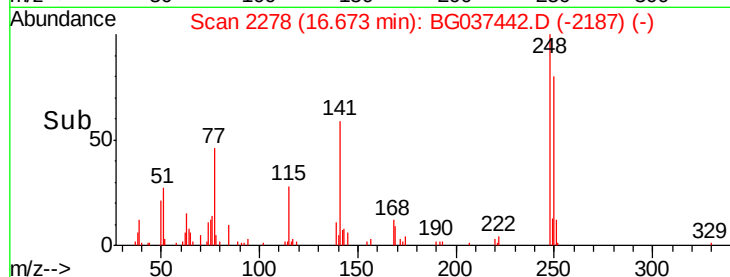
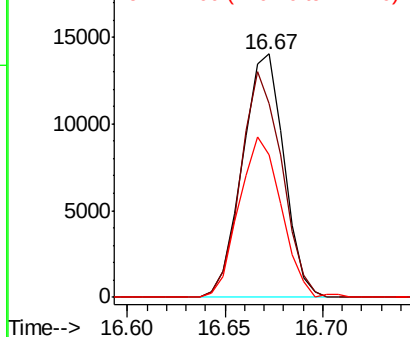


Abundance

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



#68

Hexachlorobenzene

Concen: 4.868 ng

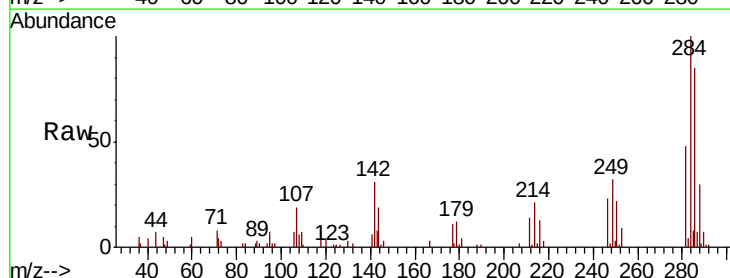
RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 21922 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 31.1  | 28.1  | 42.1  |
| 249       | 35.4  | 29.8  | 44.8  |

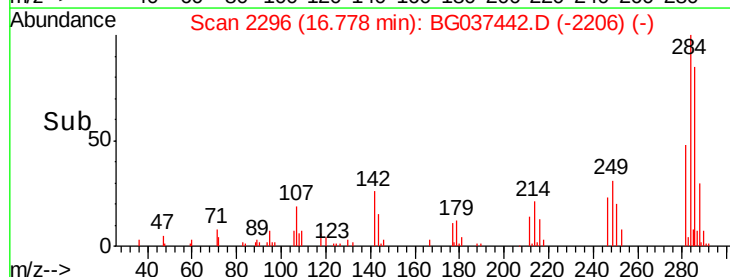
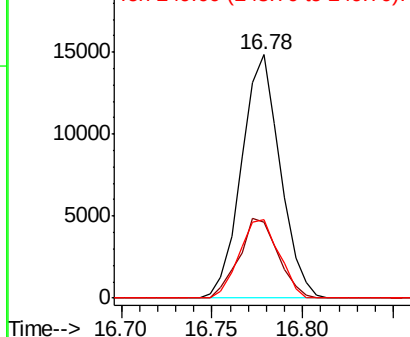


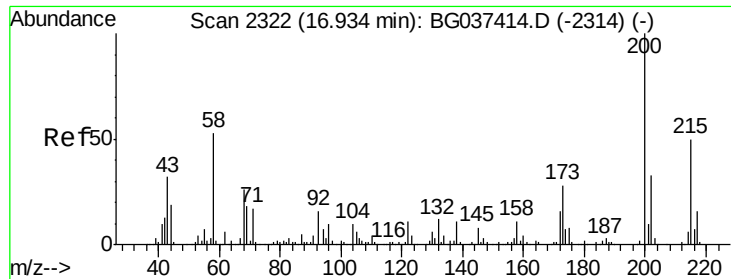
Abundance

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





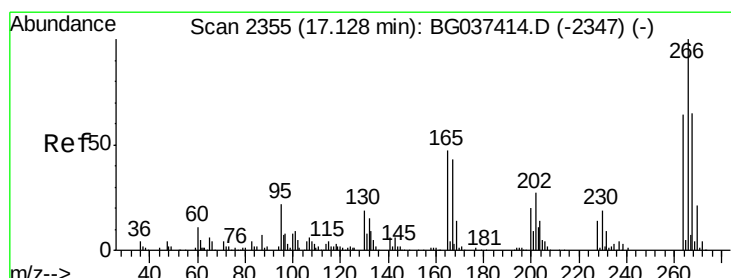
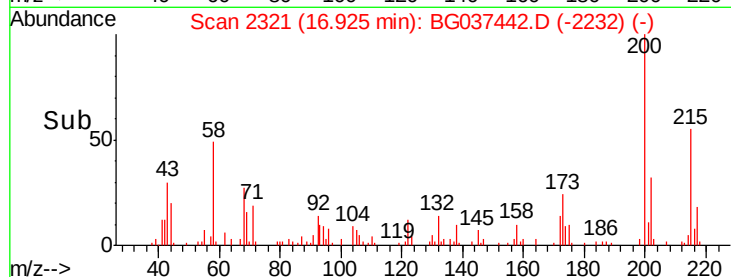
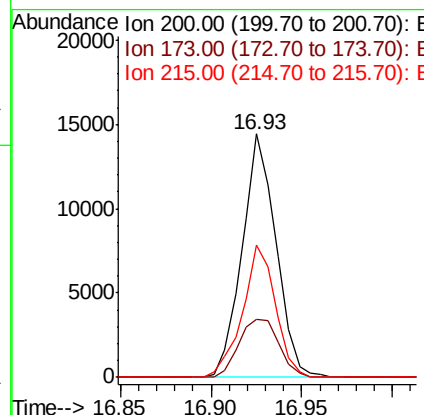
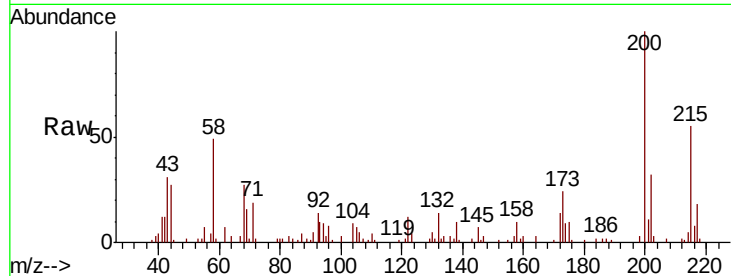
#69  
Atrazine  
Concen: 4.353 ng  
RT: 16.93 min Scan# 2321  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 23.8  | 6.1        | 46.1  |
| 215     | 54.5  | 30.8       | 70.8  |

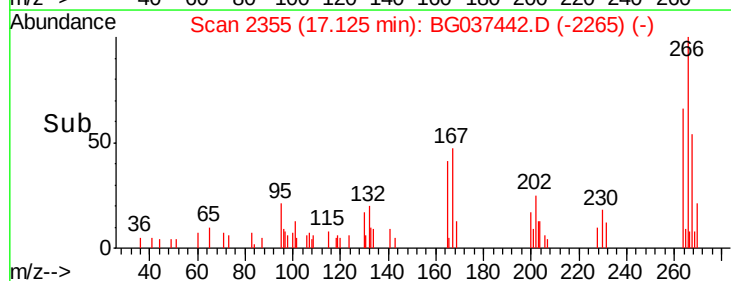
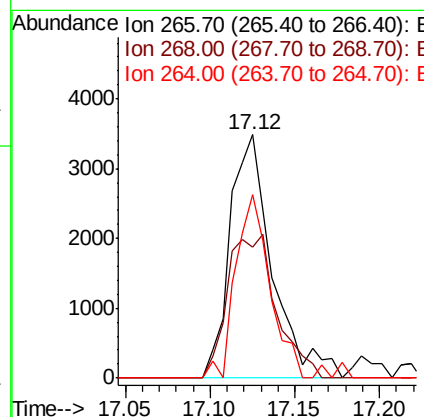
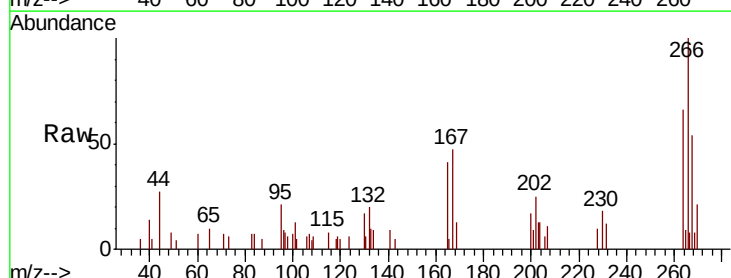
Manual Integrations  
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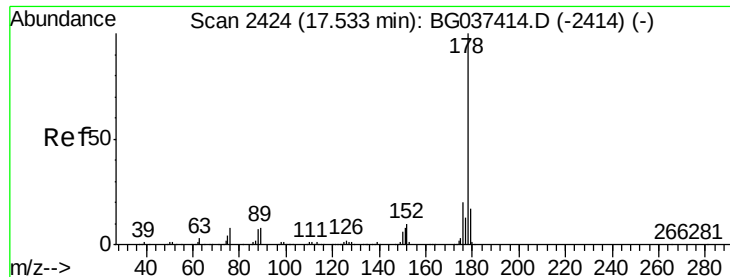
Sohil  
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#70  
Pentachlorophenol  
Concen: 2.015 ng  
RT: 17.12 min Scan# 2355  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 61.3  | 55.0       | 82.6  |
| 264     | 75.4  | 58.9       | 88.3  |





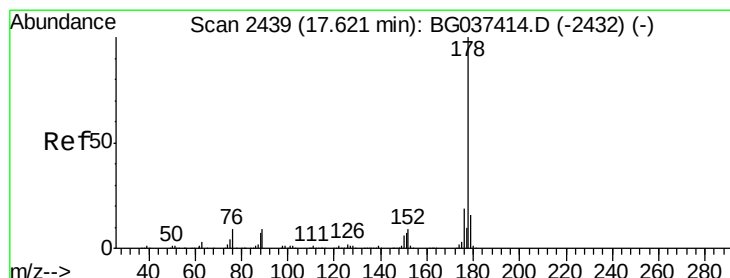
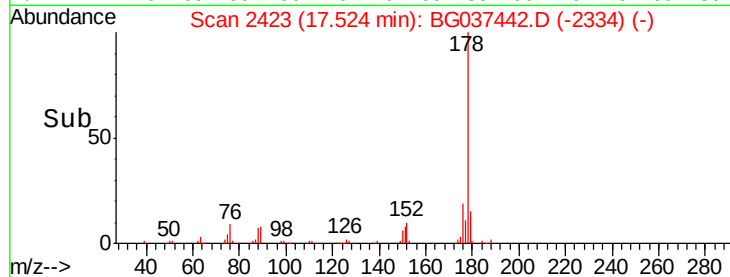
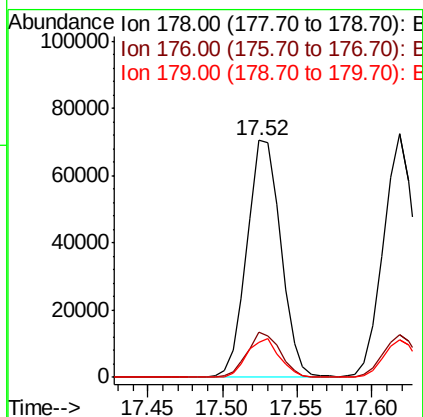
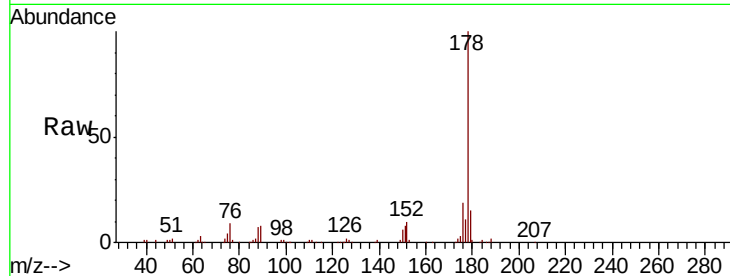
#71  
Phenanthrene  
Concen: 5.523 ng  
RT: 17.52 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 16.1  | 24.1  |
| 179     | 15.0  | 13.0  | 19.4  |

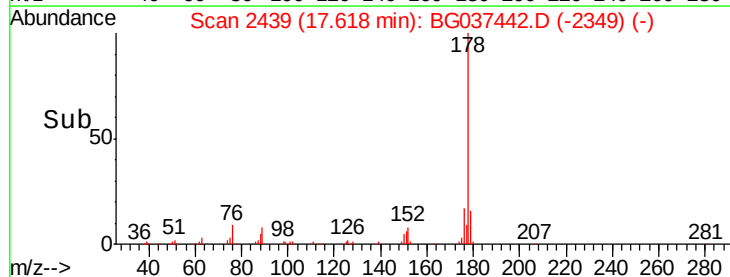
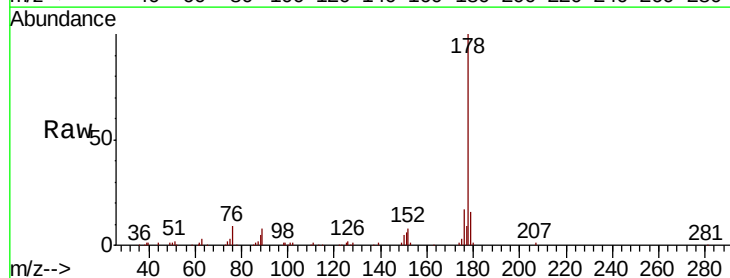
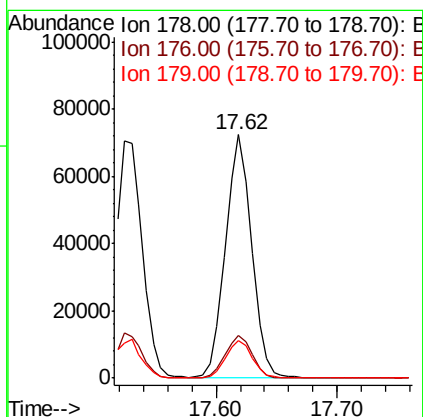
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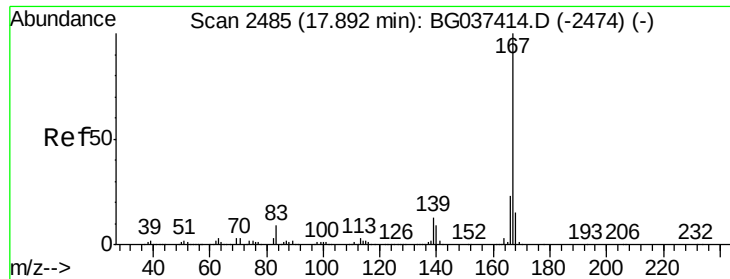


#72  
Anthracene  
Concen: 5.540 ng  
RT: 17.62 min Scan# 2439  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.5  | 15.0  | 22.4  |
| 179     | 15.6  | 12.8  | 19.2  |







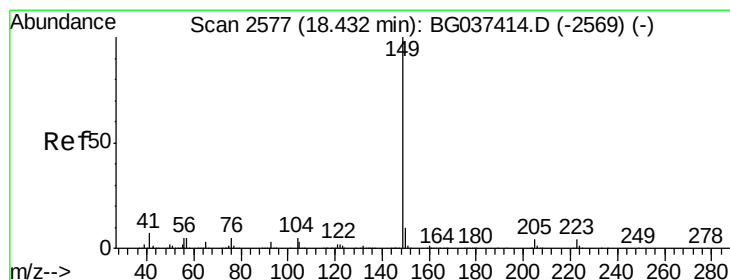
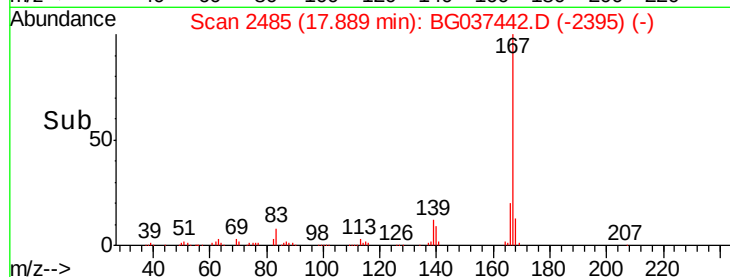
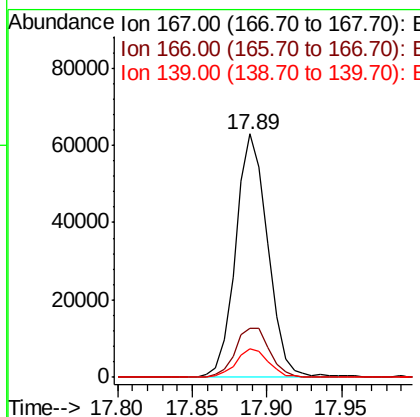
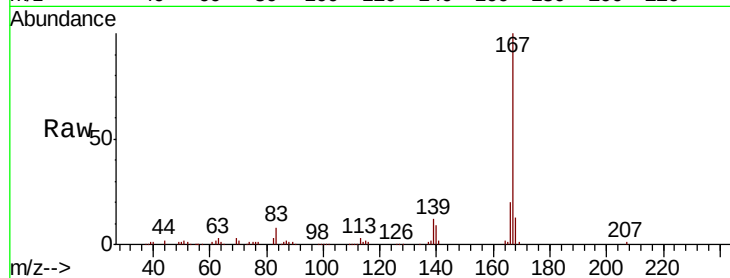
#73  
 Carbazole  
 Concen: 4.761 ng  
 RT: 17.89 min Scan# 2485  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.2  | 18.3  | 27.5  |
| 139     | 11.9  | 10.5  | 15.7  |

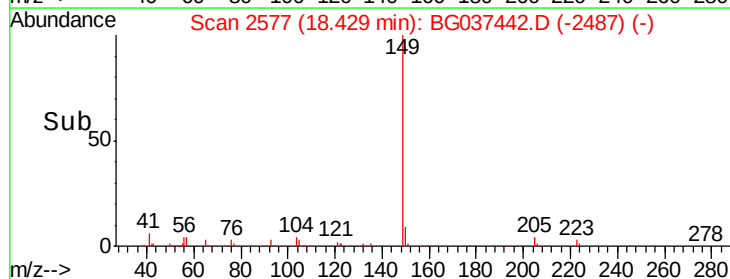
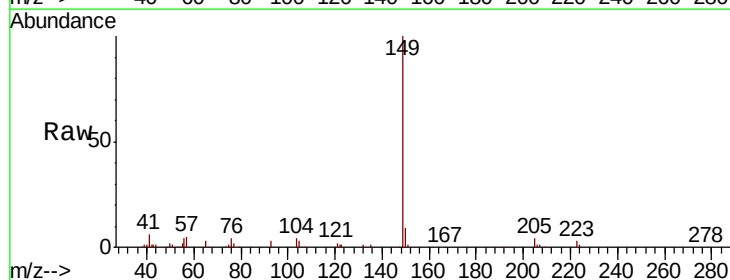
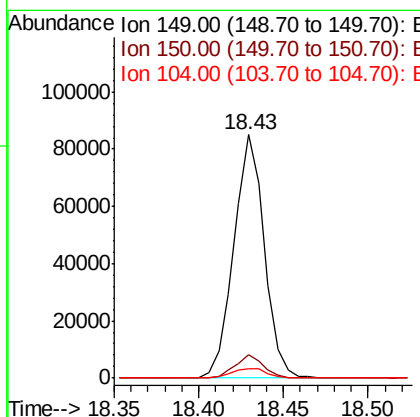
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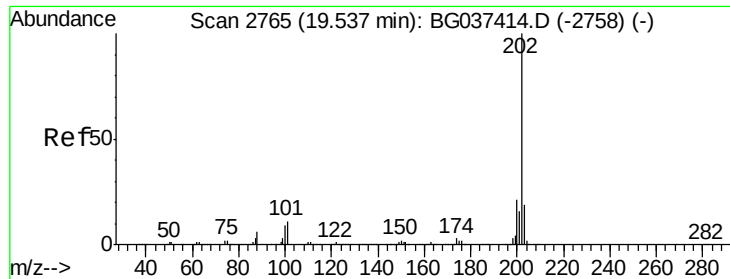
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#74  
 Di-n-butylphthalate  
 Concen: 4.842 ng  
 RT: 18.43 min Scan# 2577  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 8.2   | 12.2  |
| 104     | 4.0   | 4.0   | 6.0   |





#75

Fluoranthene

Concen: 5.426 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

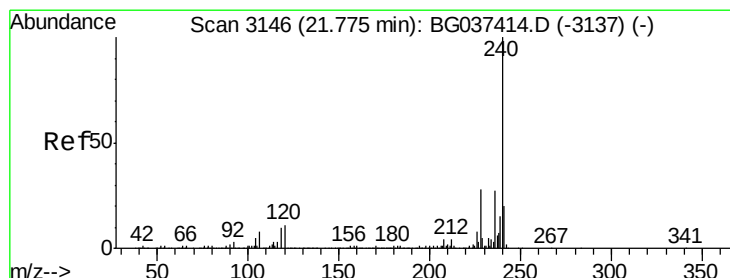
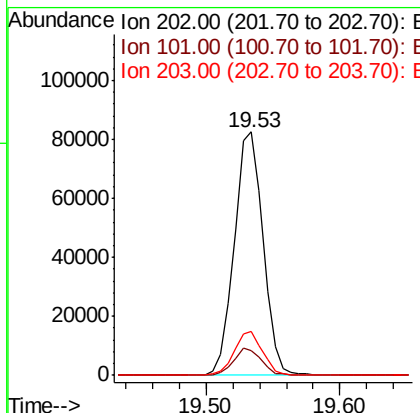
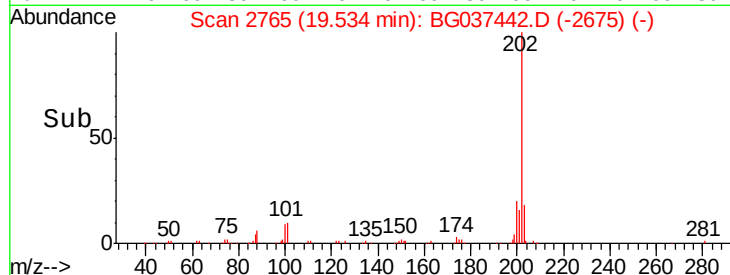
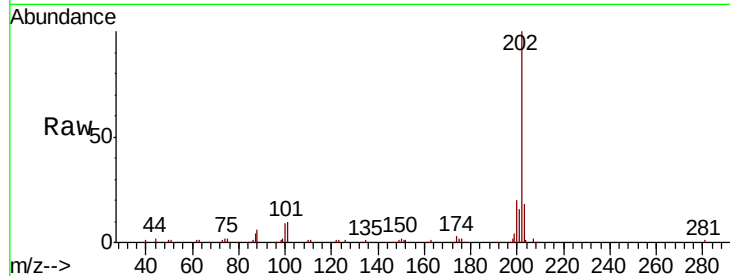
ClientSampleId :

MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.1  | 0.0        | 30.7  |
| 203     | 18.1  | 0.0        | 38.5  |

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#76

Chrysene-d12

Concen: 20.000 ng

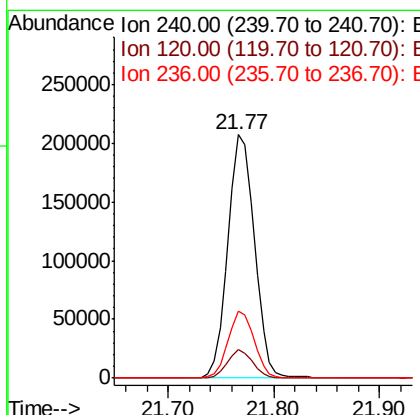
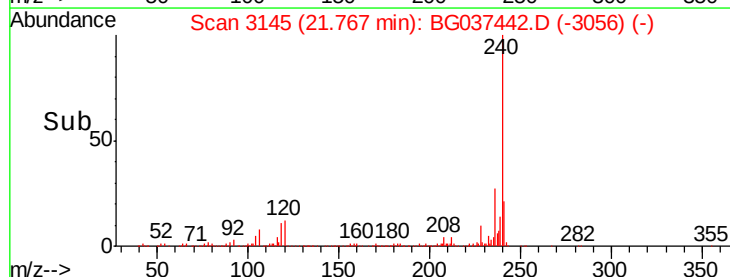
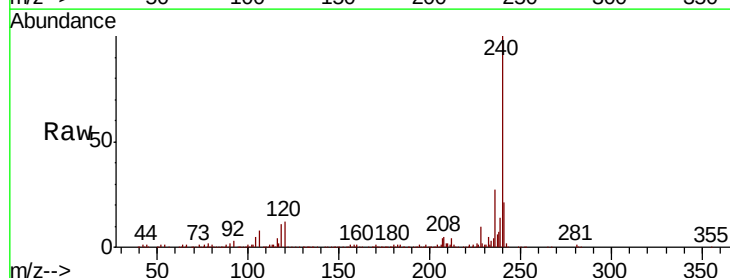
RT: 21.77 min Scan# 3145

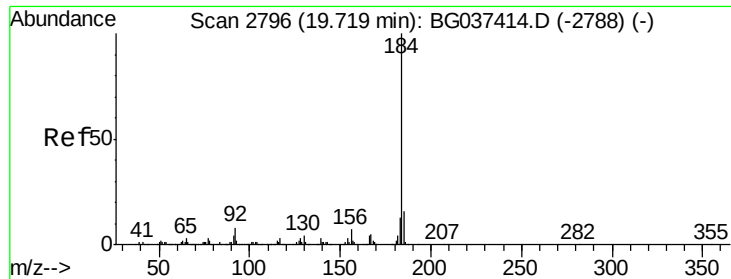
Delta R.T. -0.01 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 11.6  | 8.1        | 12.1  |
| 236     | 27.4  | 21.4       | 32.0  |





#77

Benzidine

Concen: 1.267 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

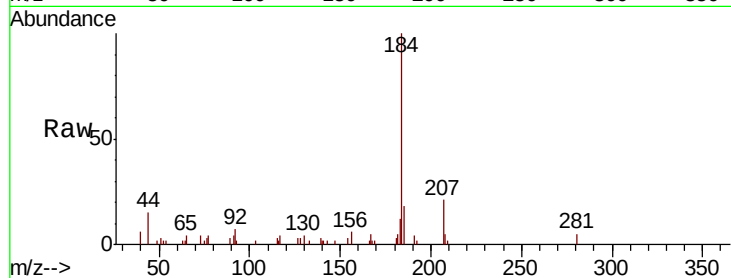
ClientSampleId :

MDL-WATER-03-QT4-2018

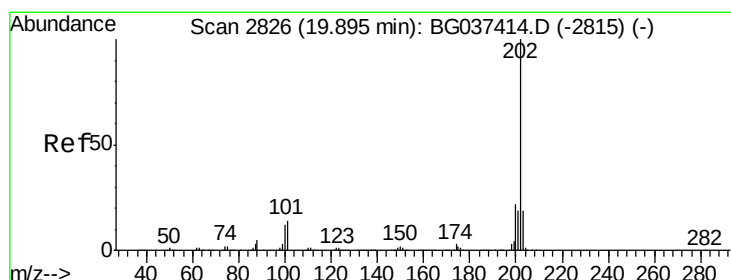
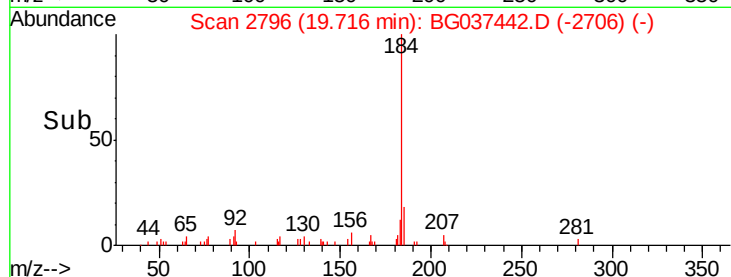
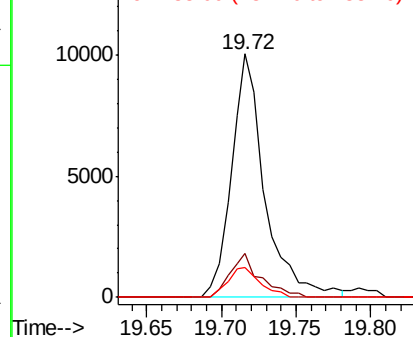
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 15608 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 18.0  | 12.6  | 18.8  |
| 183       | 12.2  | 10.2  | 15.2  |

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



#78

Pyrene

Concen: 5.321 ng

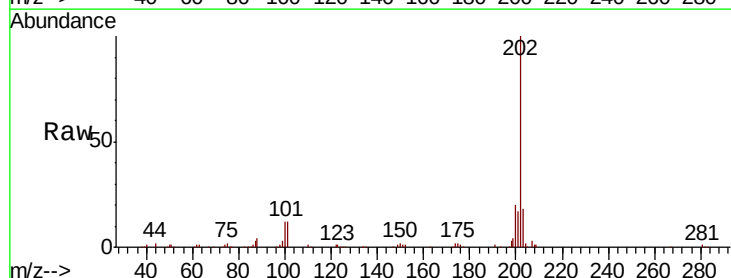
RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

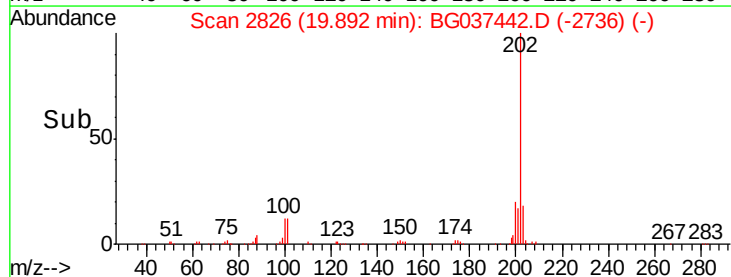
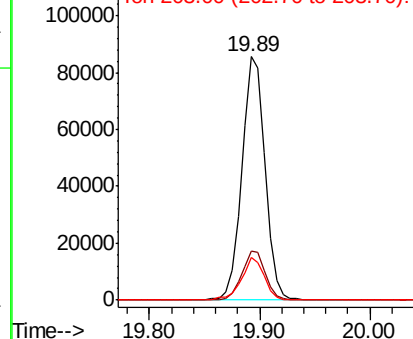
Lab File: BG037442.D

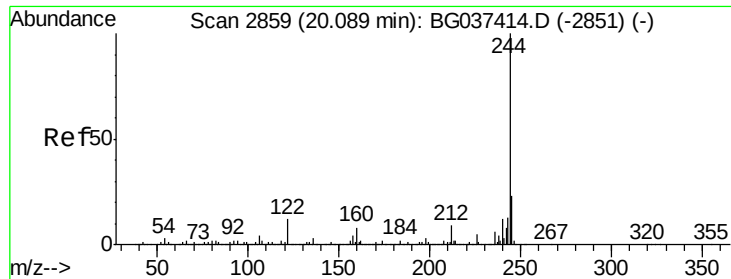
Acq: 19 Oct 2018 6:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 125990 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.2  | 17.8  | 26.6   |
| 203       | 17.7  | 15.2  | 22.8   |



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





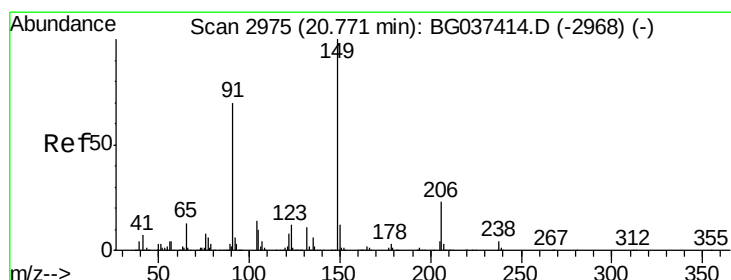
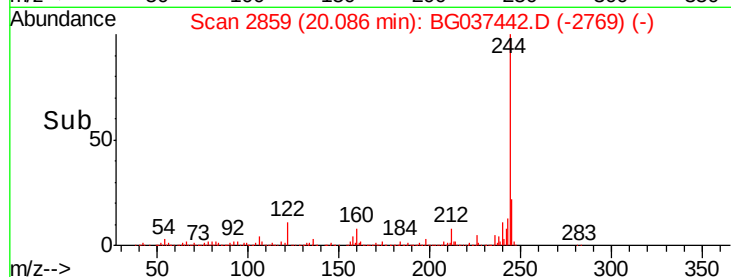
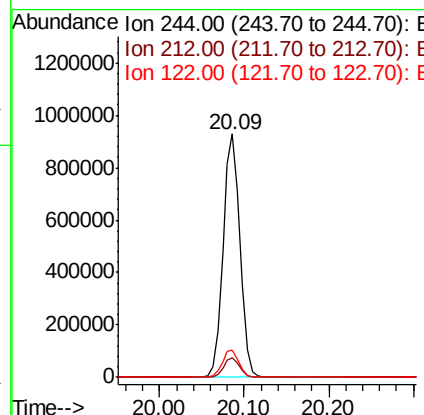
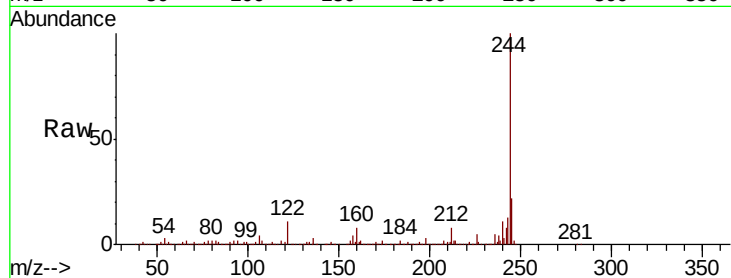
#79  
 Terphenyl-d14  
 Concen: 76.366 ng  
 RT: 20.09 min Scan# 2859  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.3   | 6.5   | 9.7   |
| 122     | 11.3  | 9.0   | 13.4  |

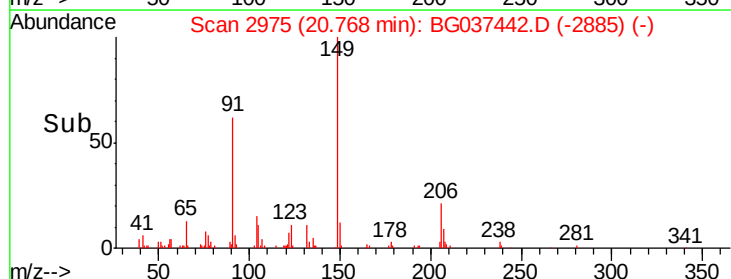
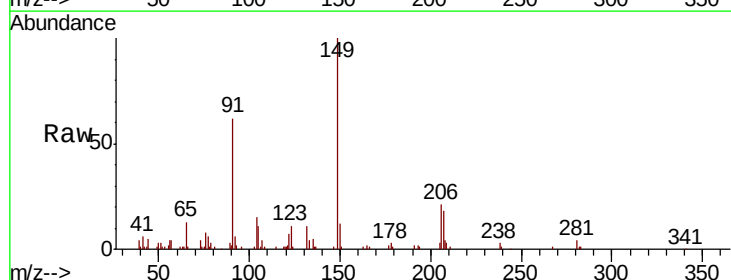
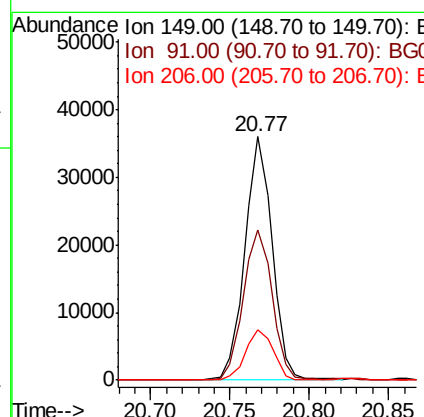
Manual Integrations  
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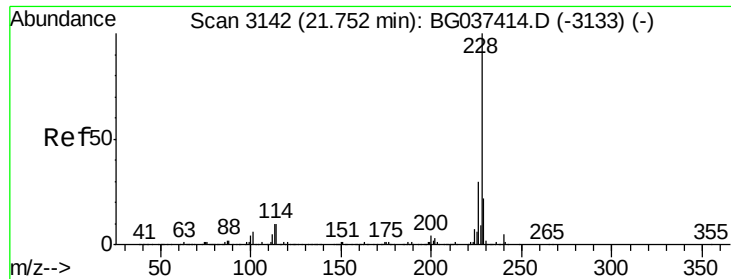
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#80  
 Butylbenzylphthalate  
 Concen: 4.433 ng  
 RT: 20.77 min Scan# 2975  
 Delta R.T. -0.00 min  
 Lab File: BG037442.D  
 Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 61.5  | 57.0  | 85.4  |
| 206     | 20.8  | 17.8  | 26.6  |





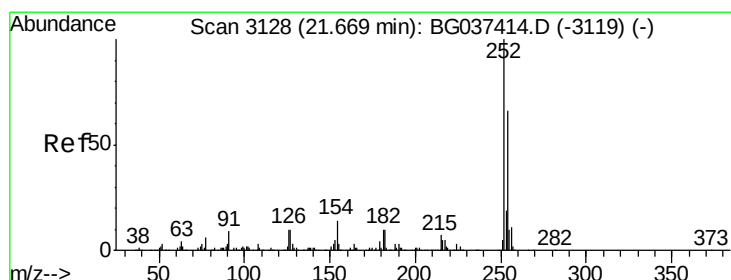
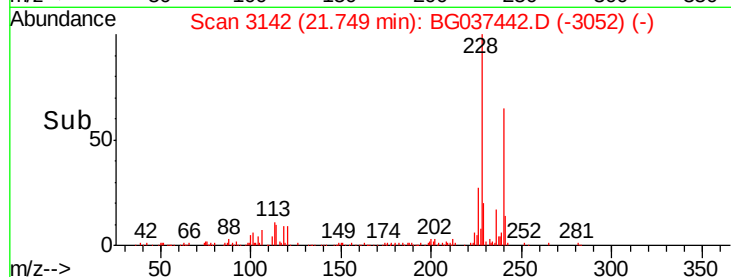
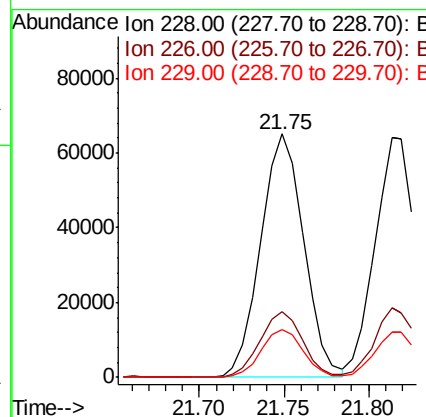
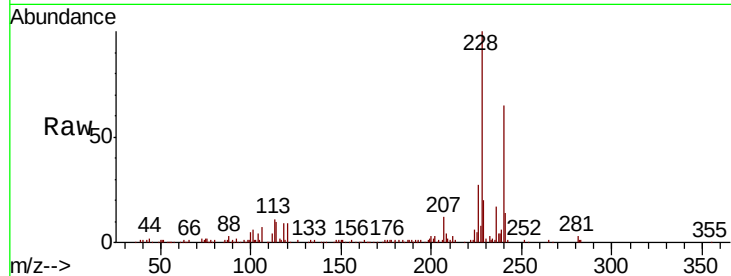
#81  
Benzo(a)anthracene  
Concen: 5.367 ng  
RT: 21.75 min Scan# 3142  
Delta R.T. -0.00 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.0  | 22.6  | 33.8  |
| 229     | 19.8  | 16.3  | 24.5  |

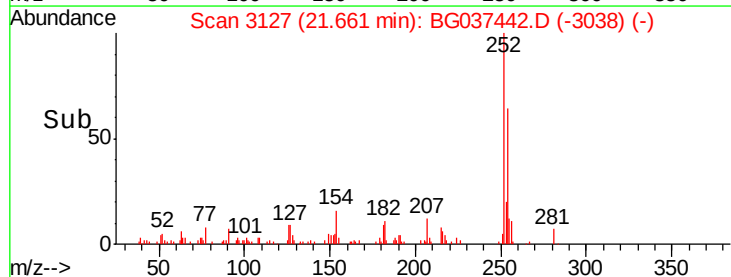
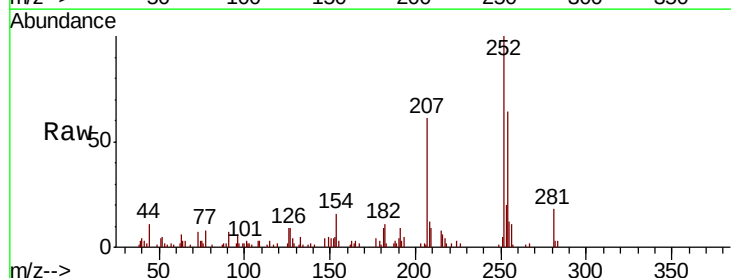
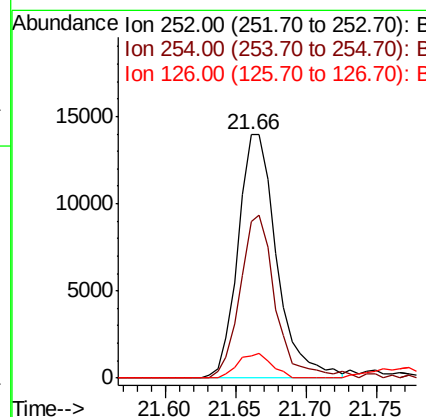
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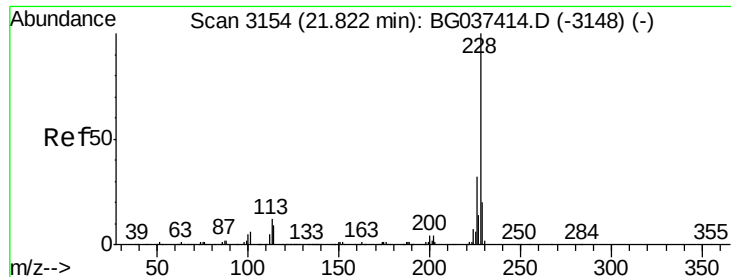
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#82  
3,3'-Dichlorobenzidine  
Concen: 3.220 ng  
RT: 21.66 min Scan# 3127  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.2  | 52.0  | 78.0  |
| 126     | 9.3   | 8.2   | 12.4  |





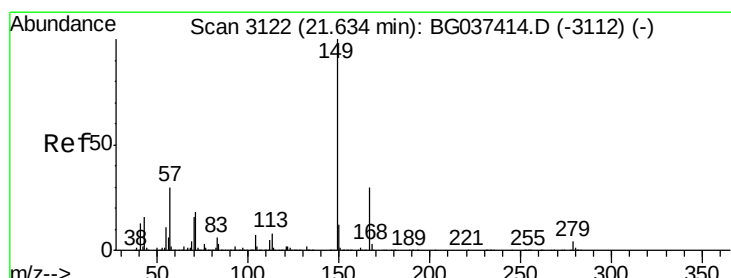
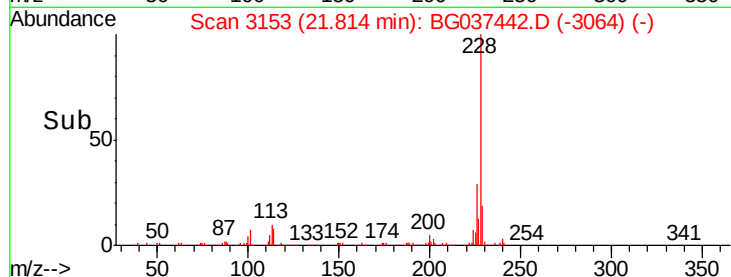
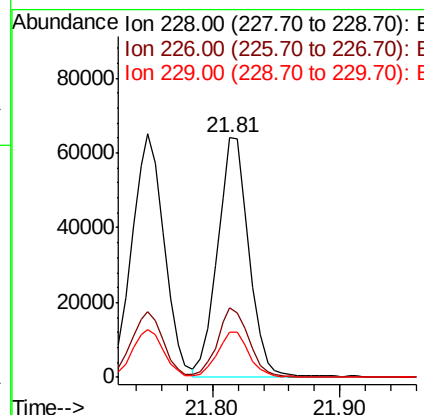
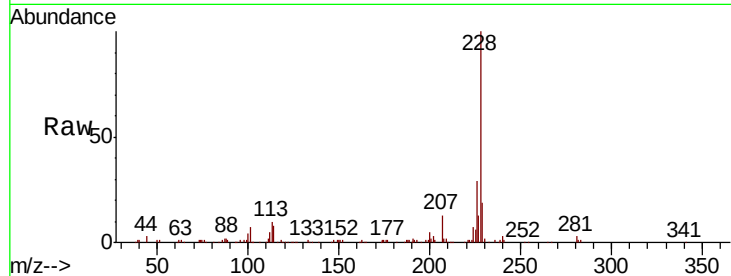
#83  
Chrysene  
Concen: 5.312 ng  
RT: 21.81 min Scan# 3153  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.1  | 25.7  | 38.5  |
| 229     | 18.9  | 16.5  | 24.7  |

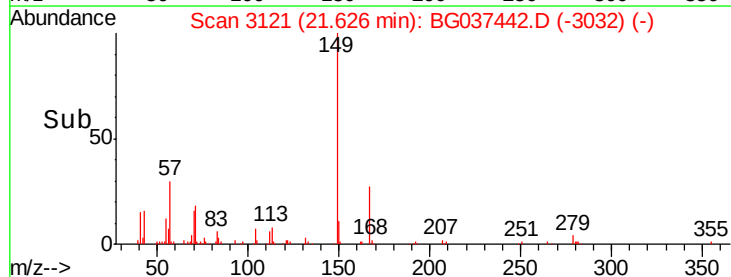
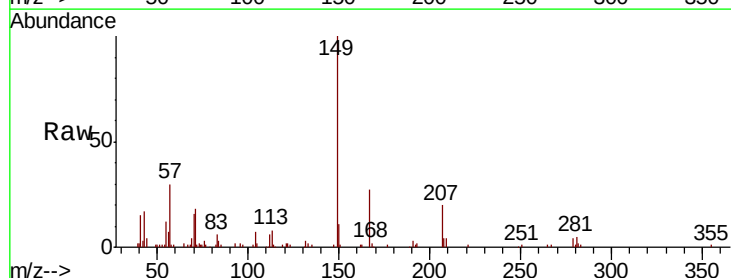
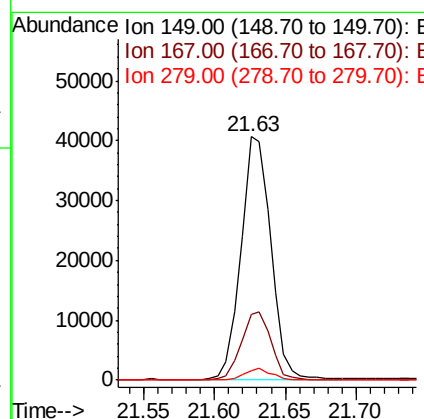
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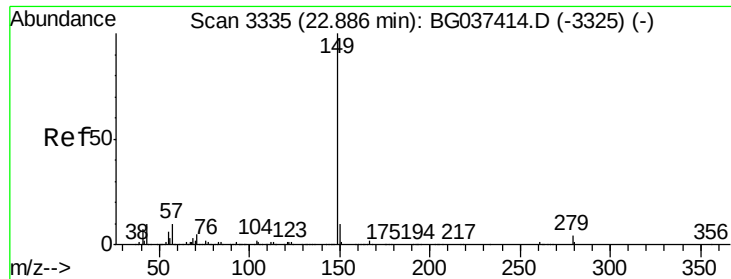
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.450 ng  
RT: 21.63 min Scan# 3121  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.9  | 23.0  | 34.4  |
| 279     | 4.0   | 3.6   | 5.4   |





#85

Di-n-octyl phthalate

Concen: 4.450 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037442.D

Acq: 19 Oct 2018 6:27

Instrument :

BNA\_G

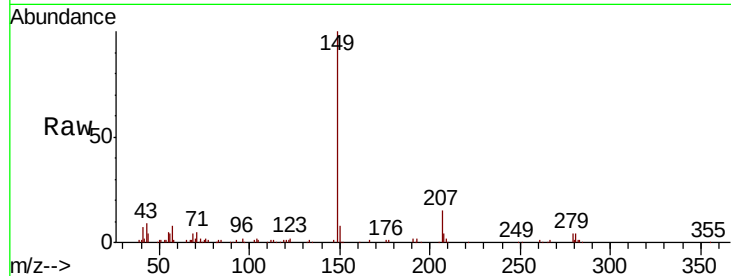
ClientSampleId :

MDL-WATER-03-QT4-2018

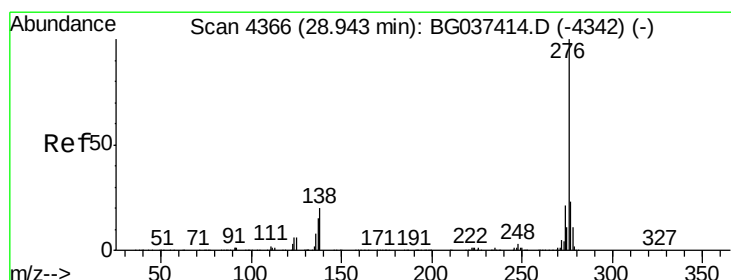
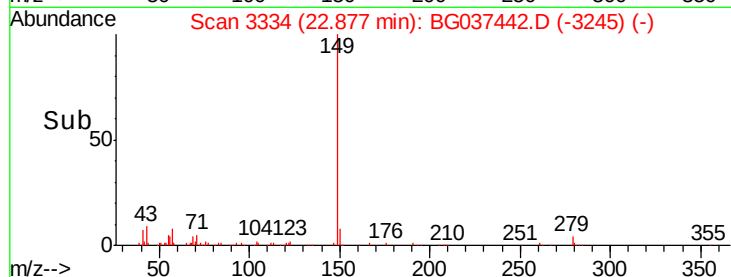
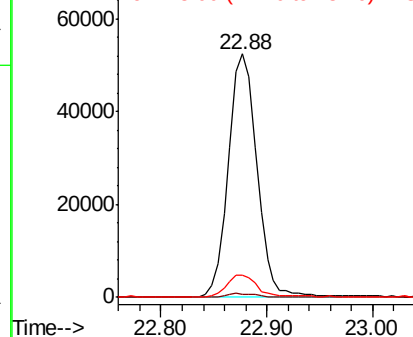
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 98548 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 1.5   | 1.3   | 1.9   |
| 43        | 10.1  | 8.7   | 13.1  |

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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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.171 ng

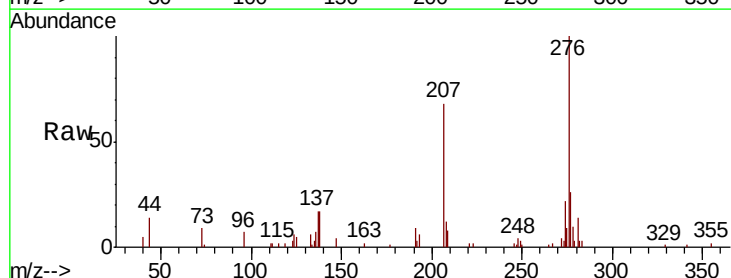
RT: 28.92 min Scan# 4363

Delta R.T. -0.02 min

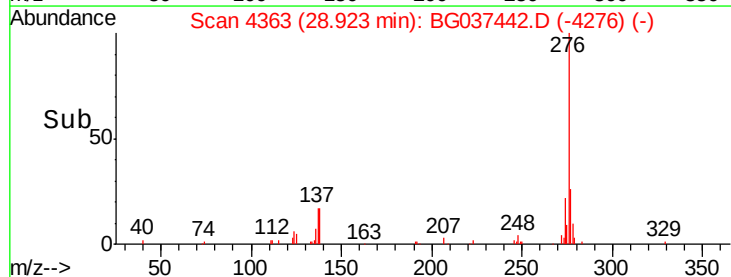
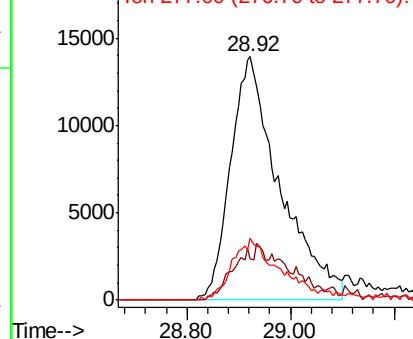
Lab File: BG037442.D

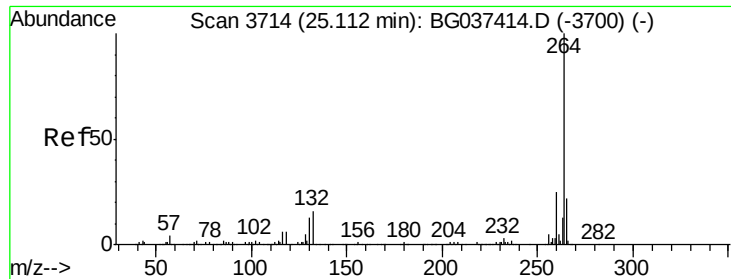
Acq: 19 Oct 2018 6:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 92151 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 9.3   | 12.0  | 18.0# |
| 277       | 23.7  | 20.6  | 30.8  |



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





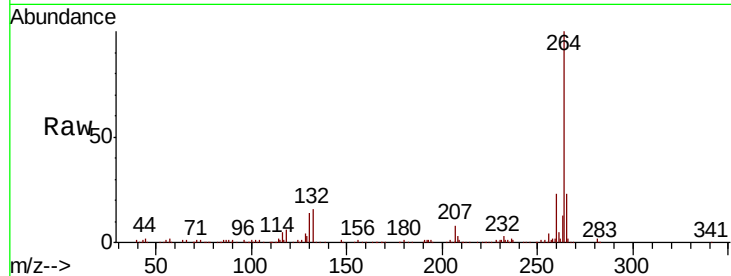
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.10 min Scan# 3713  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 18.2  | 27.4  |
| 265     | 22.6  | 17.9  | 26.9  |

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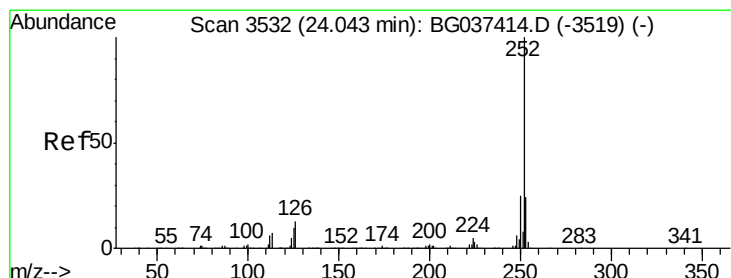
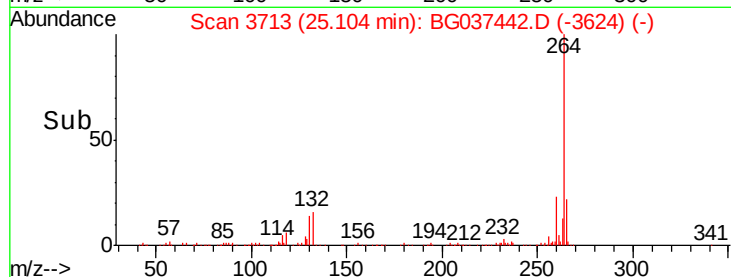
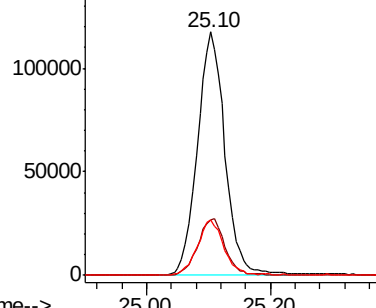


Abundance

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



#88  
Benzo(b)fluoranthene  
Concen: 5.168 ng  
RT: 24.03 min Scan# 3531  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

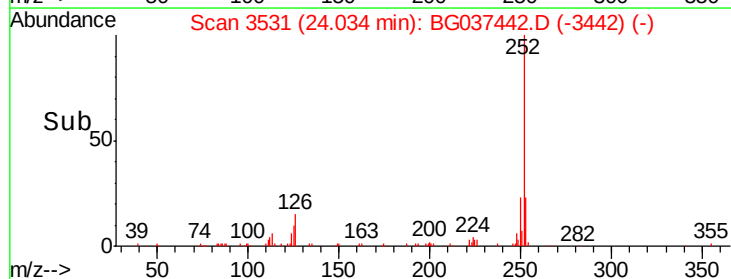
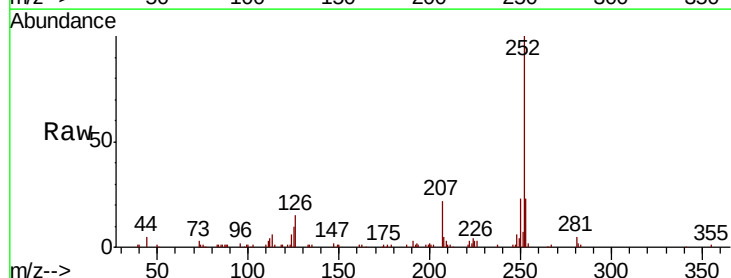
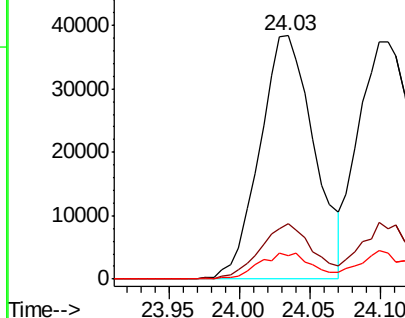
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.2  | 27.2  |
| 125     | 9.6   | 7.8   | 11.6  |

Abundance

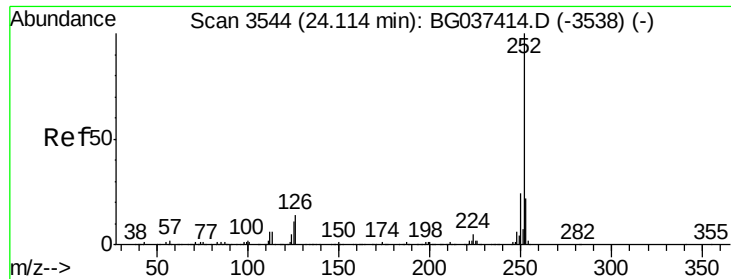
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







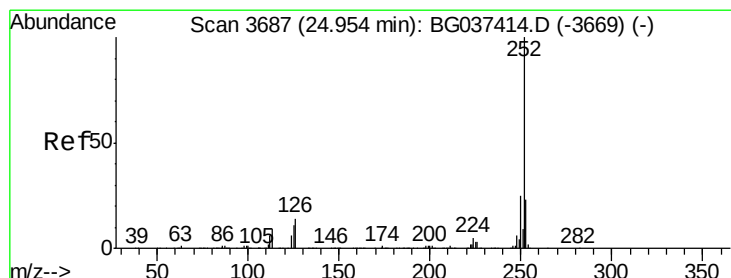
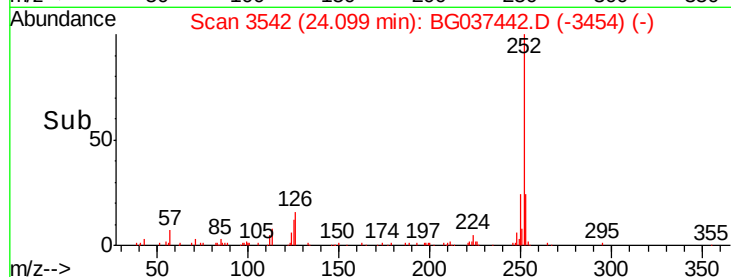
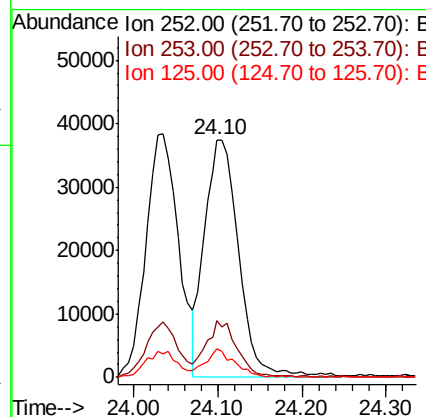
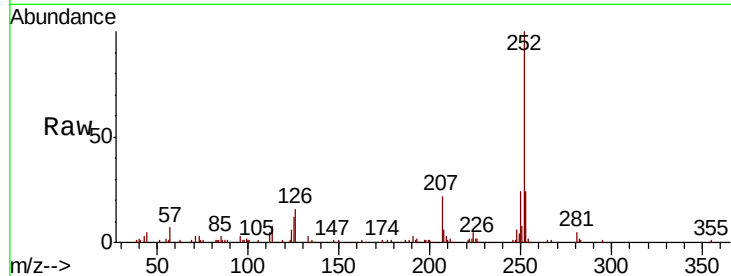
#89  
Benzo(k)fluoranthene  
Concen: 5.439 ng m  
RT: 24.10 min Scan# 3542  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.4  | 26.2  |
| 125     | 12.1  | 7.4   | 11.0  |

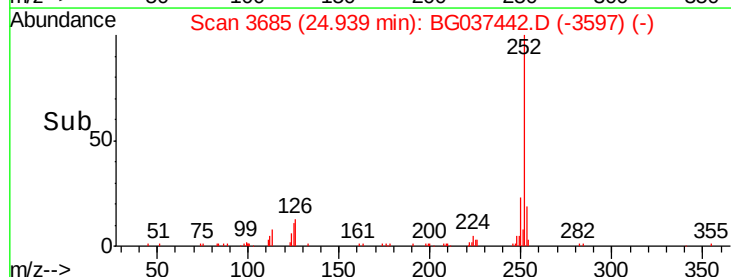
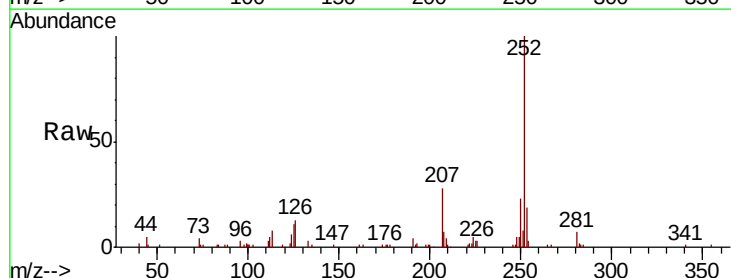
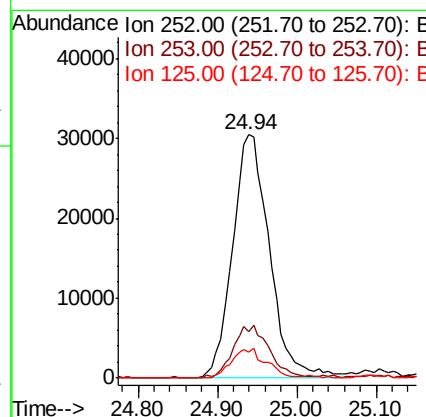
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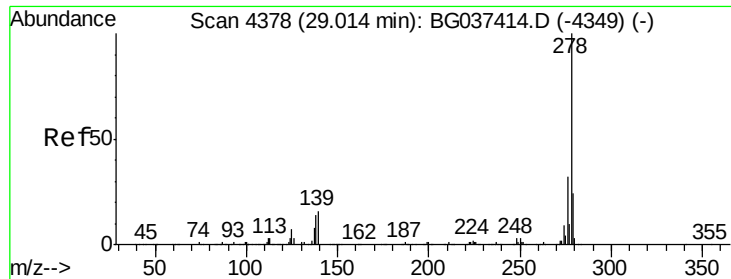
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#90  
Benzo(a)pyrene  
Concen: 5.178 ng  
RT: 24.94 min Scan# 3685  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 19.2  | 17.4  | 26.2  |
| 125     | 10.9  | 9.0   | 13.6  |





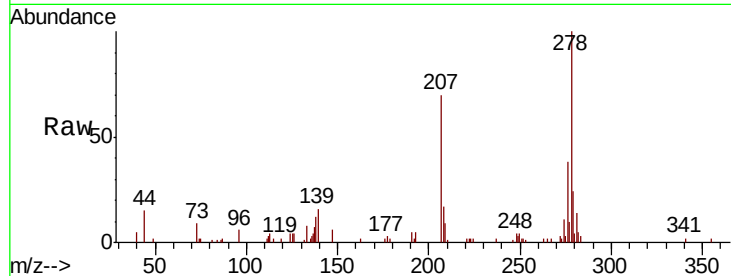
#91  
Dibenzo(a,h)anthracene  
Concen: 4.227 ng  
RT: 29.01 min Scan# 4377  
Delta R.T. -0.01 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.8  | 11.5  | 17.3  |
| 279     | 23.6  | 18.6  | 27.8  |

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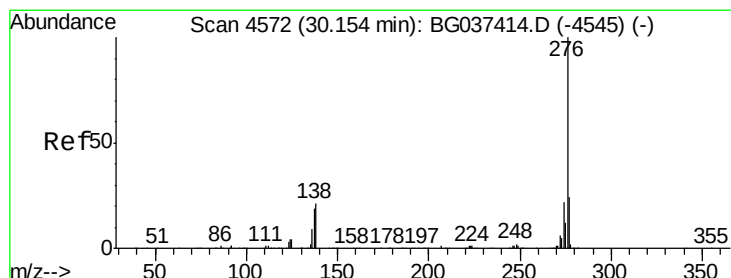
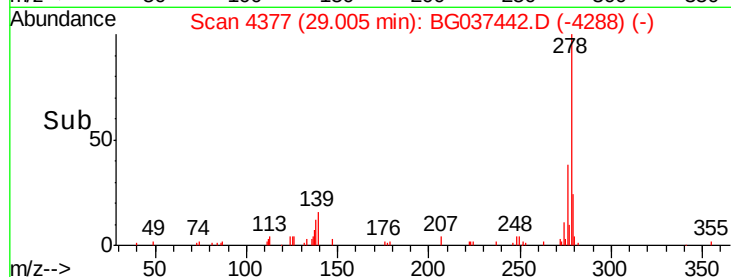
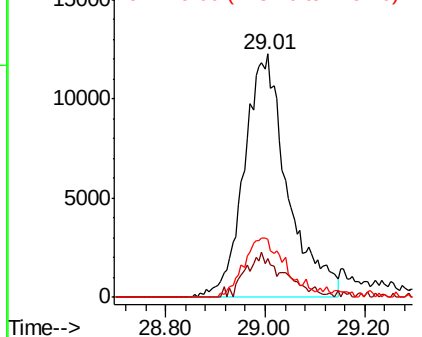


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 4.655 ng  
RT: 30.12 min Scan# 4567  
Delta R.T. -0.03 min  
Lab File: BG037442.D  
Acq: 19 Oct 2018 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.3  | 18.9  | 28.3  |
| 138     | 21.0  | 17.2  | 25.8  |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

