

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE103024\  
 Data File : BE101420.D  
 Acq On : 30 Oct 2024 12:23  
 Operator : RC/JU  
 Sample : P4368-09  
 Misc : MDL-MDL-WATER 4 PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MDL-WATER-03-QT4-2024

Quant Time: Oct 30 13:09:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 29 01:26:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.570  | 152  | 223074   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.337 | 136  | 1131479  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.180 | 164  | 847490   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.917 | 188  | 1907256  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.071 | 240  | 2123448  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.363 | 264  | 2619541  | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.319  | 112  | 1302183  | 102.311 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.947  | 99   | 1873346  | 106.149 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.786  | 82   | 1350833  | 74.986  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.689 | 330  | 1590479  | 107.076 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.805 | 172  | 3437252  | 68.687  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.514 | 244  | 4993505  | 54.123  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.222  | 88   | 15359    | 3.235   | ng    | # 92     |
| 3) Pyridine                   | 3.774  | 79   | 28819    | 2.146   | ng    | # 89     |
| 4) n-Nitrosodimethylamine     | 3.627  | 42   | 16872    | 3.247   | ng    | # 87     |
| 6) Aniline                    | 7.017  | 93   | 64702    | 4.784   | ng    | 100      |
| 8) 2-Chlorophenol             | 7.217  | 128  | 55177    | 3.615   | ng    | 95       |
| 9) Benzaldehyde               | 6.788  | 77   | 41994    | 4.929   | ng    | 98       |
| 10) Phenol                    | 6.970  | 94   | 63126    | 3.297   | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 7.047  | 93   | 47914    | 3.050   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.458  | 146  | 57800    | 3.511   | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.605  | 146  | 59457    | 3.537   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.934  | 146  | 58591    | 3.561   | ng    | 97       |
| 15) Benzyl Alcohol            | 7.910  | 79   | 52117    | 4.954   | ng    | # 72     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.069  | 45   | 78692    | 3.981   | ng    | 98       |
| 17) 2-Methylphenol            | 8.151  | 107  | 41342    | 3.190   | ng    | 97       |
| 18) Hexachloroethane          | 8.627  | 117  | 18332    | 3.340   | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.375  | 70   | 43448    | 3.710   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.486  | 107  | 57384    | 3.208   | ng    | 96       |
| 22) Acetophenone              | 8.427  | 105  | 94129    | 3.664   | ng    | # 98     |
| 24) Nitrobenzene              | 8.821  | 77   | 69963    | 3.649   | ng    | 100      |
| 25) Isophorone                | 9.273  | 82   | 124217   | 3.534   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.508  | 139  | 29353    | 3.167   | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.779  | 93   | 73582    | 3.452   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.061 | 162  | 51172    | 3.172   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.184 | 180  | 60365    | 3.435   | ng    | 96       |
| 31) Naphthalene               | 10.384 | 128  | 199759   | 3.464   | ng    | 100      |
| 32) Benzoic acid              | 9.826  | 122  | 7130     | 8.708   | ng    | 93       |
| 33) 4-Chloroaniline           | 10.613 | 127  | 76424    | 3.812   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.637 | 225  | 33707    | 3.240   | ng    | 96       |
| 35) Caprolactam               | 11.395 | 113  | 17459    | 2.823   | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 11.782 | 107  | 57298    | 3.119   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 11.976 | 142  | 146105   | 3.517   | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.205 | 142  | 138450   | 3.339   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.335 | 216  | 73388    | 3.450   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.652 | 196  | 46152    | 3.147   | ng    | 97       |
| 44) 2,4,5-Trichlorophenol     | 12.752 | 196  | 51848    | 3.087   | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.004 | 154  | 216843   | 3.735   | ng    | 99       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 29 01:26:30 2024  
 Response via : Initial Calibration

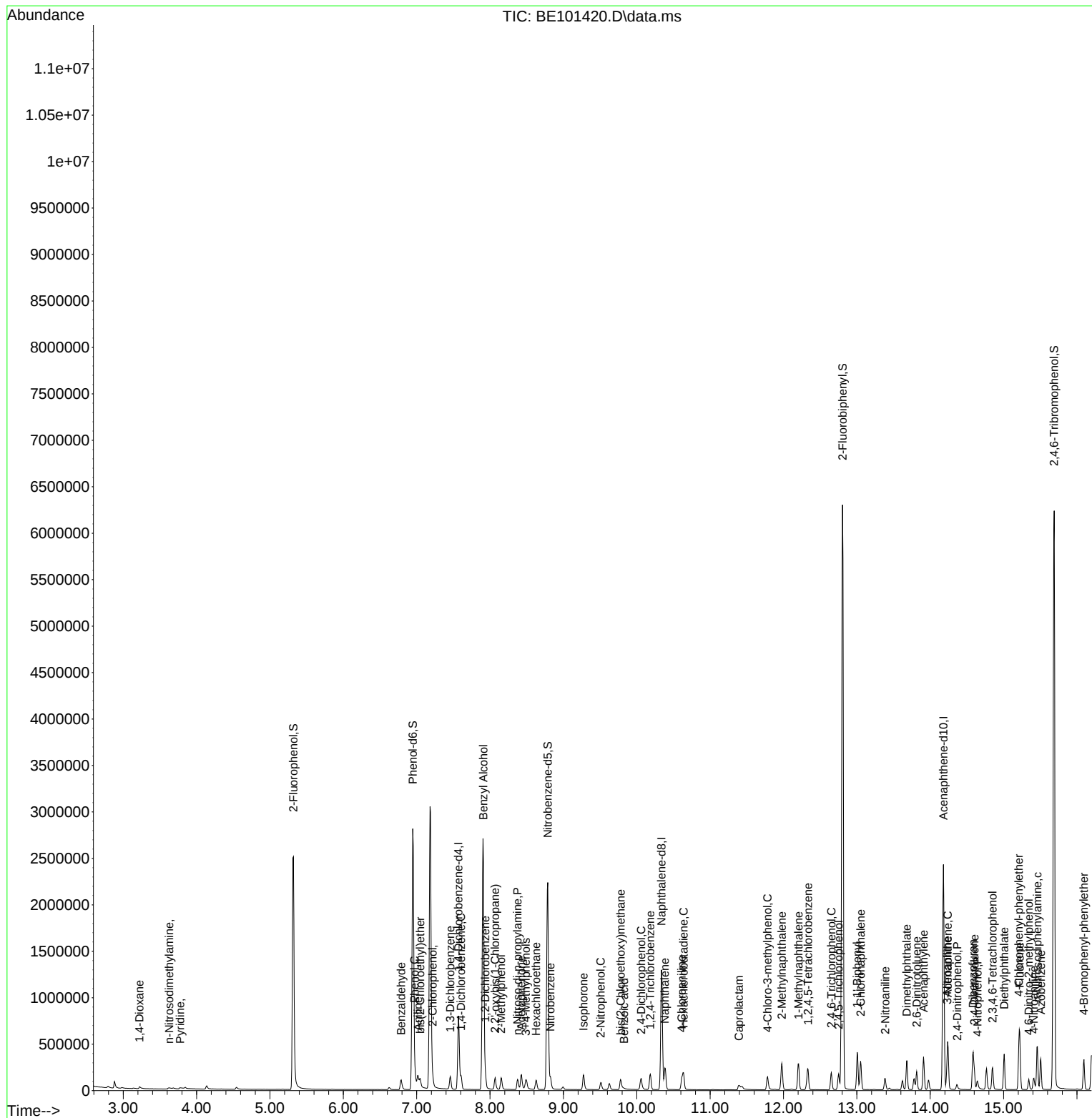
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 47) 2-Chloronaphthalene       | 13.051 | 162  | 154728   | 3.373 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.386 | 65   | 35543    | 2.879 | ng    | 96       |
| 49) Acenaphthylene            | 13.909 | 152  | 247553   | 3.649 | ng    | 100      |
| 50) Dimethylphthalate         | 13.680 | 163  | 206931   | 3.459 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.815 | 165  | 41109    | 2.976 | ng    | 92       |
| 52) Acenaphthene              | 14.238 | 154  | 151951   | 3.430 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.232 | 138  | 43209    | 3.146 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.368 | 184  | 13951    | 6.938 | ng    | 97       |
| 55) Dibenzofuran              | 14.585 | 168  | 253754   | 3.594 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.644 | 139  | 31228    | 2.483 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.603 | 165  | 53479    | 2.813 | ng    | 95       |
| 58) Fluorene                  | 15.219 | 166  | 203247   | 3.441 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.849 | 232  | 51792    | 3.338 | ng    | 99       |
| 60) Diethylphthalate          | 15.008 | 149  | 213866   | 3.418 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.208 | 204  | 102769   | 3.506 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.413 | 138  | 42137    | 2.757 | ng    | 97       |
| 63) Azobenzene                | 15.507 | 77   | 187114   | 3.479 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.343 | 198  | 25758    | 2.298 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 15.460 | 169  | 179303   | 3.545 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.095 | 248  | 69262    | 3.452 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.201 | 284  | 89632    | 3.408 | ng    | 95       |
| 69) Atrazine                  | 16.389 | 200  | 64813    | 4.180 | ng    | 98       |
| 70) Pentachlorophenol         | 16.606 | 266  | 40354    | 2.666 | ng    | 98       |
| 71) Phenanthrene              | 16.953 | 178  | 343126   | 3.758 | ng    | 97       |
| 72) Anthracene                | 17.041 | 178  | 315594   | 3.539 | ng    | 97       |
| 73) Carbazole                 | 17.370 | 167  | 321366   | 3.522 | ng    | 99       |
| 74) Di-n-butylphthalate       | 17.822 | 149  | 381584   | 3.799 | ng    | 97       |
| 75) Fluoranthene              | 18.956 | 202  | 410208   | 3.699 | ng    | 96       |
| 77) Benzidine                 | 19.215 | 184  | 86581    | 3.213 | ng    | 99       |
| 78) Pyrene                    | 19.326 | 202  | 439609   | 3.765 | ng    | 95       |
| 80) Butylbenzylphthalate      | 20.178 | 149  | 183344   | 3.581 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.054 | 228  | 472107   | 3.956 | ng    | 95       |
| 82) 3,3'-Dichlorobenzidine    | 21.030 | 252  | 159340   | 3.408 | ng    | 99       |
| 83) Chrysene                  | 21.107 | 228  | 458603   | 3.974 | ng    | 93       |
| 84) Bis(2-ethylhexyl)phtha... | 20.883 | 149  | 250237   | 3.680 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 21.729 | 149  | 424940   | 3.807 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 25.660 | 276  | 639636   | 3.649 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.646 | 252  | 508859   | 3.728 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 22.687 | 252  | 485473   | 3.806 | ng    | 97       |
| 90) Benzo(a)pyrene            | 23.245 | 252  | 450543   | 3.774 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 25.660 | 278  | 524978   | 3.624 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.406 | 276  | 494206   | 3.311 | ng    | 98       |

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

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

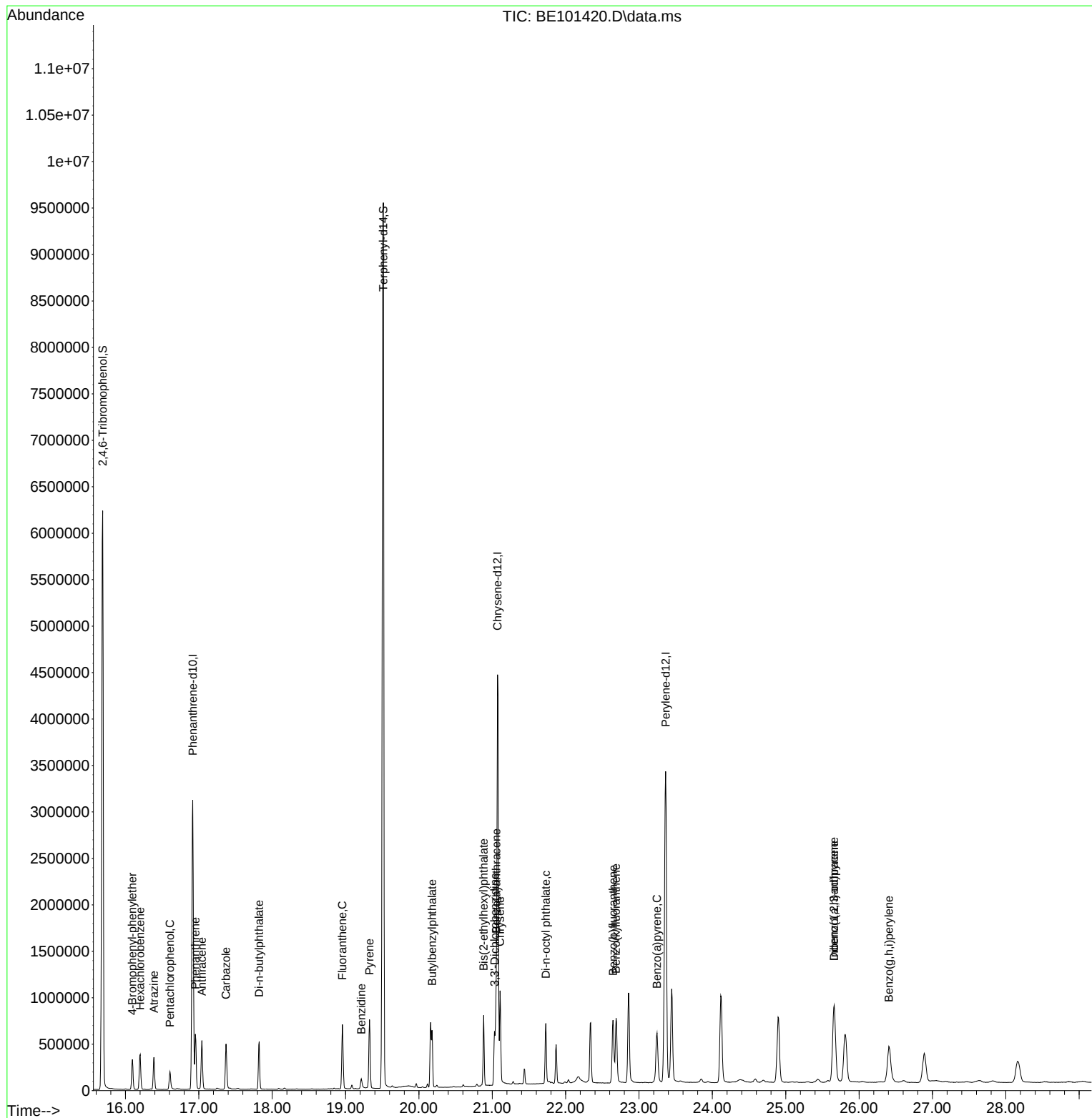
Quant Time: Oct 30 13:09:54 2024  
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QLast Update : Tue Oct 29 01:26:30 2024  
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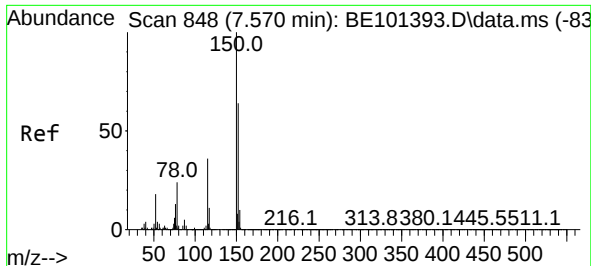


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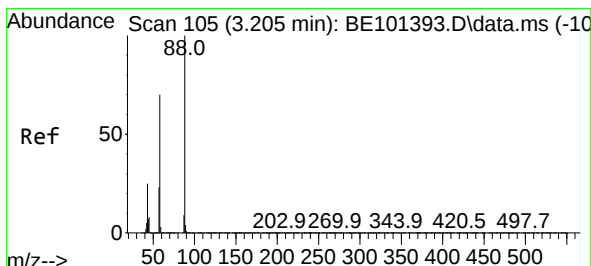
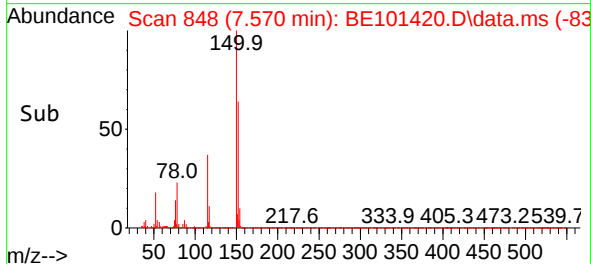
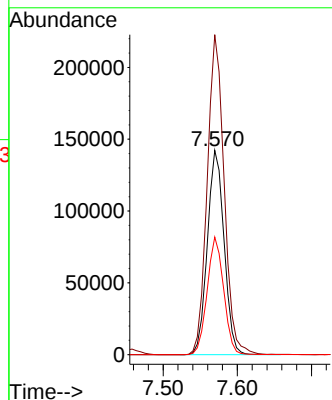
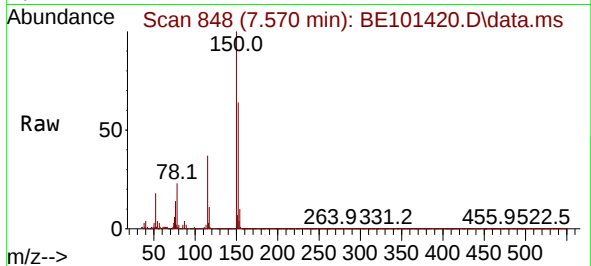




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.570 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

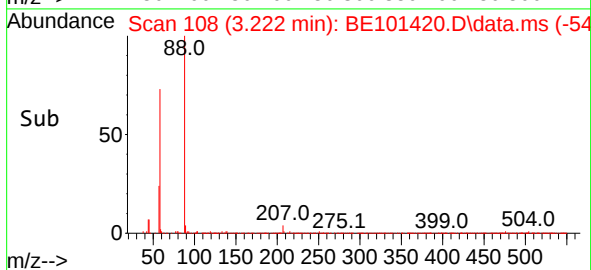
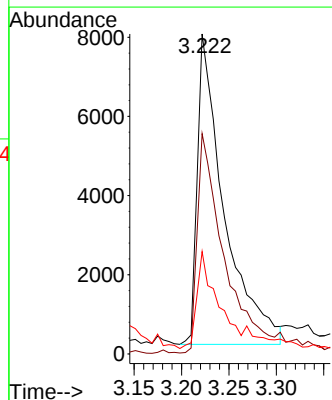
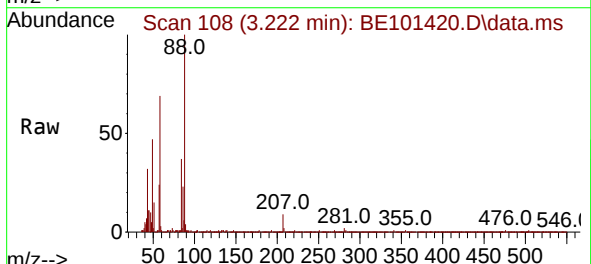
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

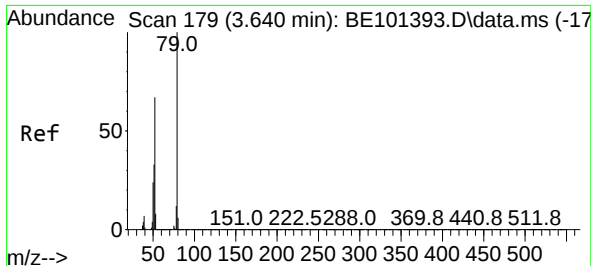
Tgt Ion:152 Resp: 223074  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.2 186.4  
115 57.6 45.3 67.9



#2  
1,4-Dioxane  
Concen: 3.235 ng  
RT: 3.222 min Scan# 108  
Delta R.T. 0.017 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 88 Resp: 15359  
Ion Ratio Lower Upper  
88 100  
58 76.3 56.5 84.7  
43 30.5 19.8 29.8#

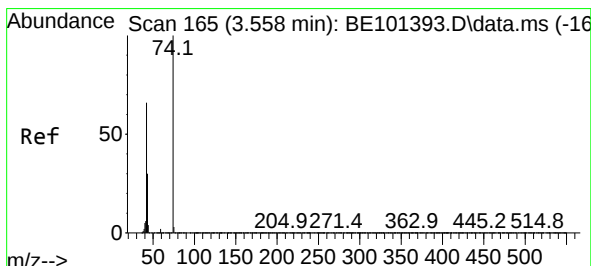
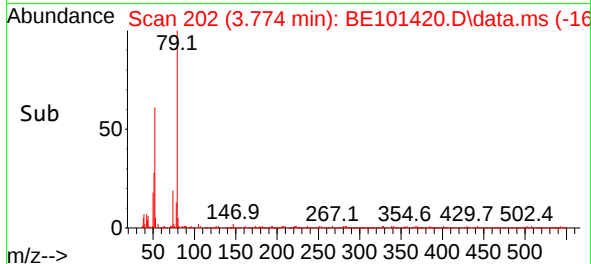
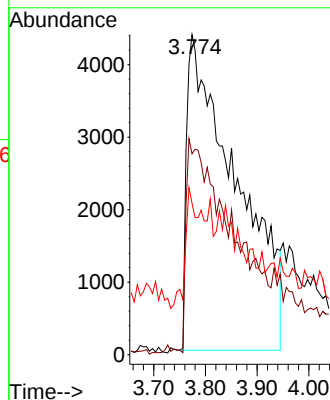
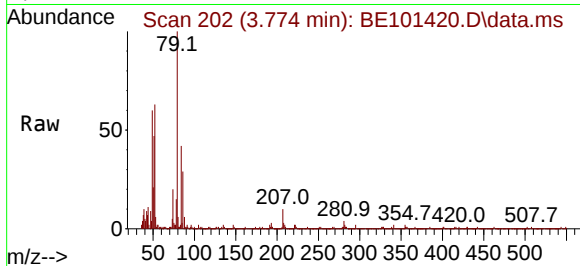




#3  
Pyridine  
Concen: 2.146 ng  
RT: 3.774 min Scan# 20  
Delta R.T. 0.134 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

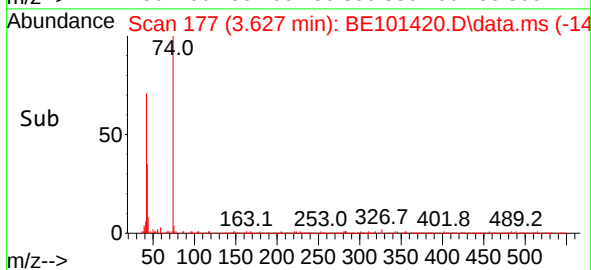
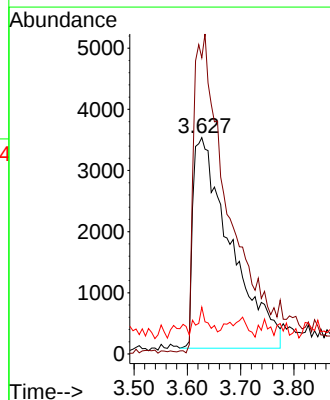
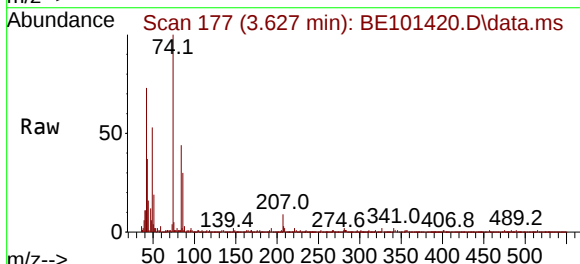
Instrument :  
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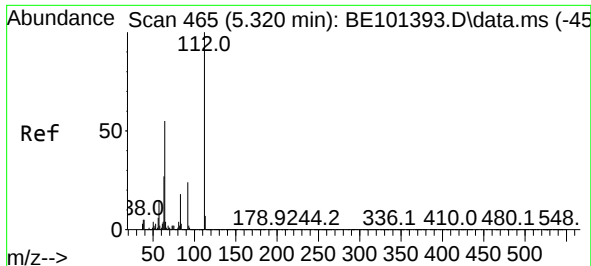
Tgt Ion: 79 Resp: 28819  
Ion Ratio Lower Upper  
79 100  
52 62.7 53.3 79.9  
51 47.3 27.3 40.9#



#4  
n-Nitrosodimethylamine  
Concen: 3.247 ng  
RT: 3.627 min Scan# 177  
Delta R.T. 0.070 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 42 Resp: 16872  
Ion Ratio Lower Upper  
42 100  
74 136.9 121.4 182.0  
44 21.6 5.6 8.4#

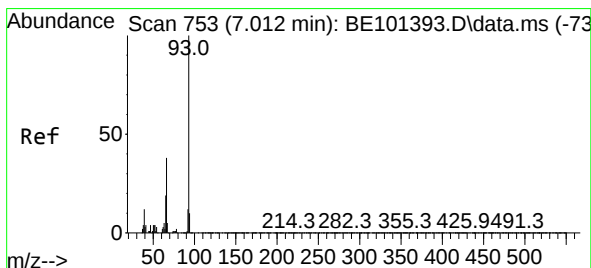
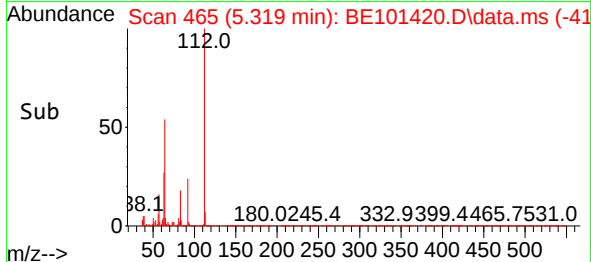
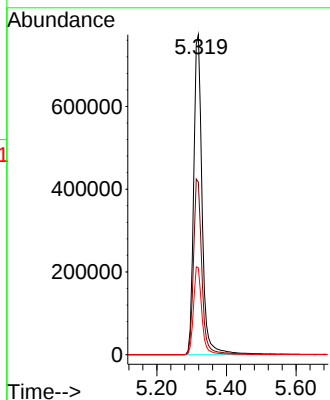
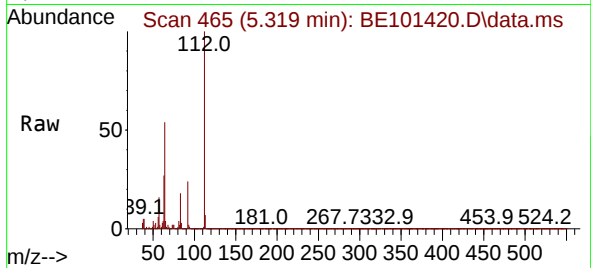




#5  
2-Fluorophenol  
Concen: 102.311 ng  
RT: 5.319 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

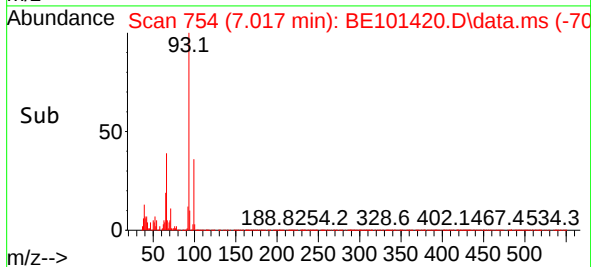
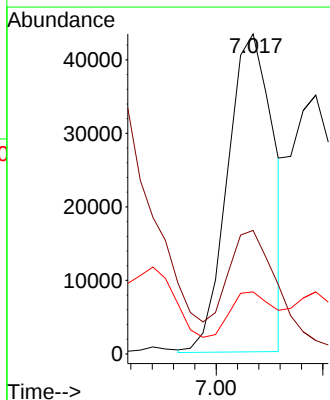
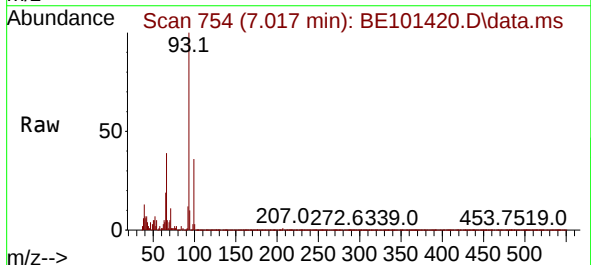
Instrument :  
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ClientSampleId :  
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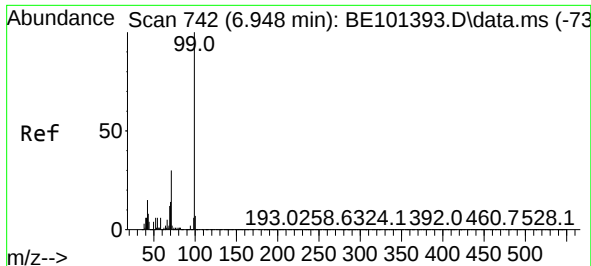
Tgt Ion:112 Resp: 1302183  
Ion Ratio Lower Upper  
112 100  
64 53.9 43.7 65.5  
63 27.1 21.4 32.2



#6  
Aniline  
Concen: 4.784 ng  
RT: 7.017 min Scan# 754  
Delta R.T. 0.005 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 93 Resp: 64702  
Ion Ratio Lower Upper  
93 100  
66 38.6 31.0 46.4  
65 19.4 15.5 23.3



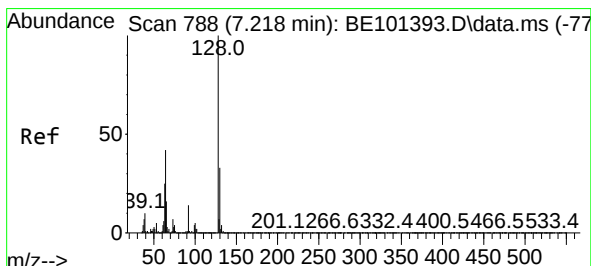
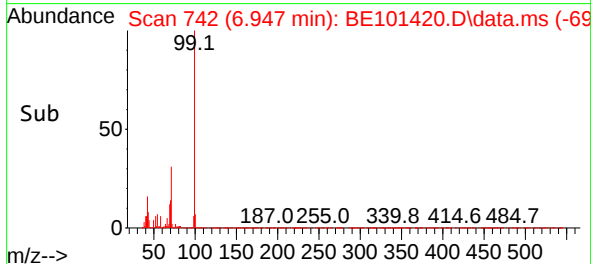
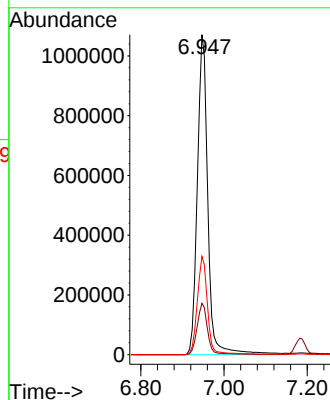
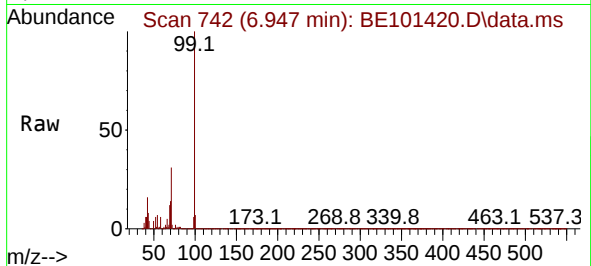


#7  
Phenol-d6  
Concen: 106.149 ng  
RT: 6.947 min Scan# 742  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

Tgt Ion: 99 Resp: 1873346

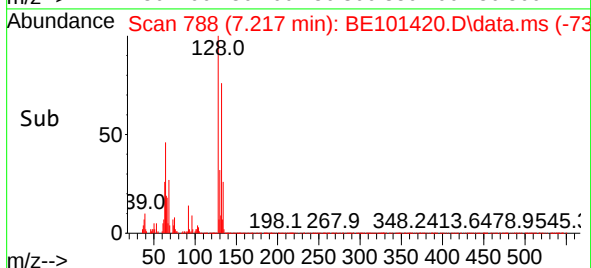
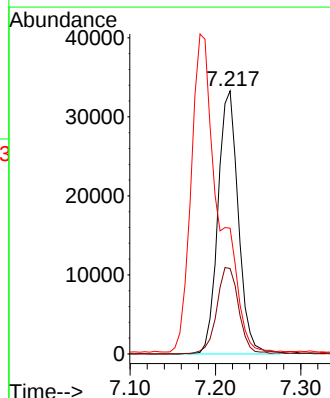
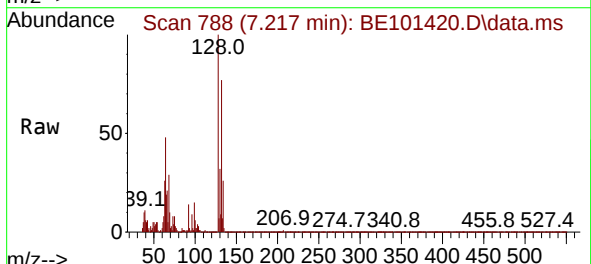
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.0  | 12.3  | 18.5  |
| 71  | 30.7  | 23.8  | 35.8  |

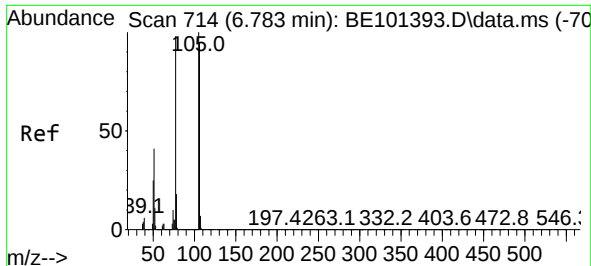


#8  
2-Chlorophenol  
Concen: 3.615 ng  
RT: 7.217 min Scan# 788  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 128 Resp: 55177

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.5  | 12.9  | 52.9  |
| 64  | 47.8  | 22.3  | 62.3  |

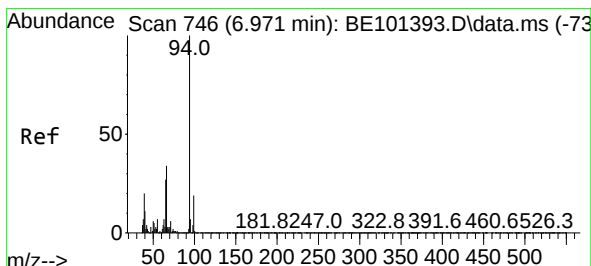
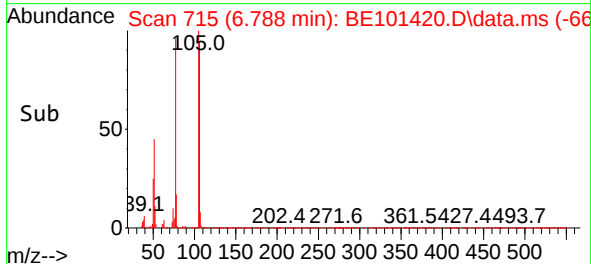
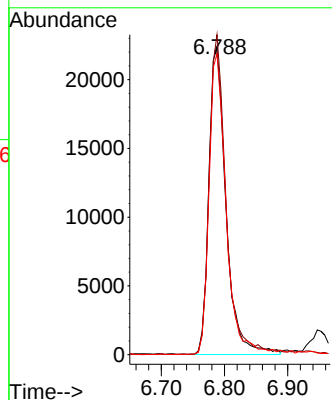
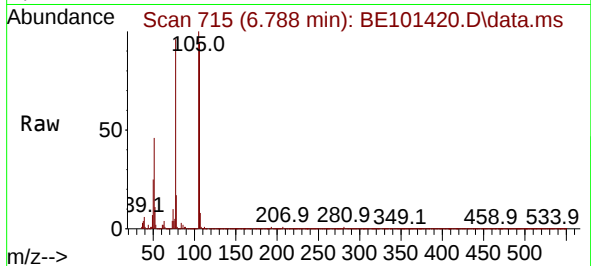




#9  
Benzaldehyde  
Concen: 4.929 ng  
RT: 6.788 min Scan# 714  
Delta R.T. 0.005 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

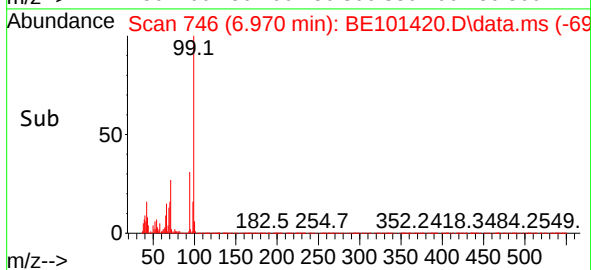
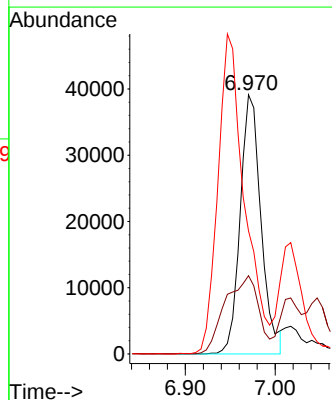
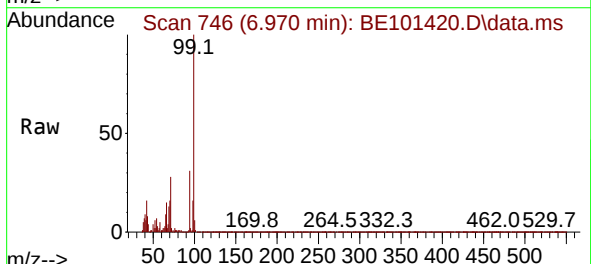
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

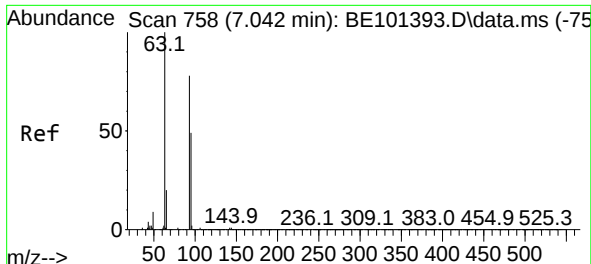
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 41994 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 104.2 | 81.9  | 121.9 |
| 106      | 98.0  | 76.5  | 116.5 |



#10  
Phenol  
Concen: 3.297 ng  
RT: 6.970 min Scan# 746  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 63126 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 30.2  | 6.8   | 46.8  |
| 66       | 47.5  | 14.0  | 54.0  |

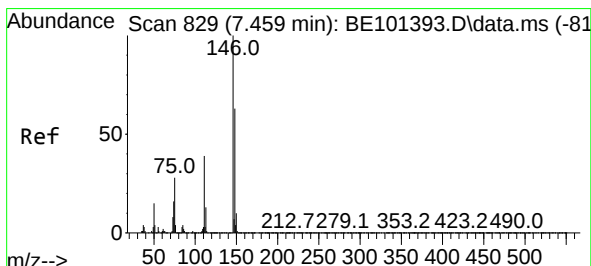
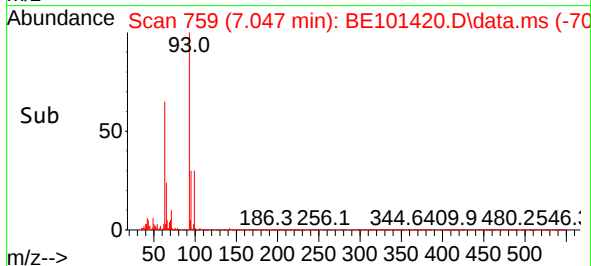
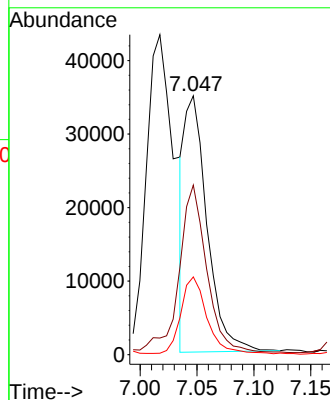
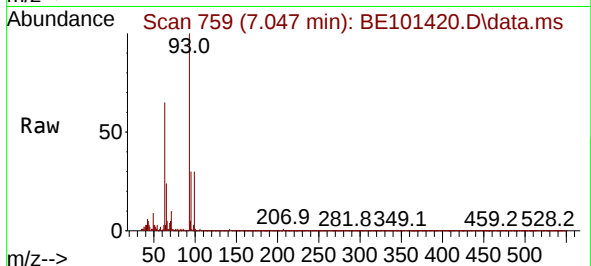




#11  
bis(2-Chloroethyl)ether  
Concen: 3.050 ng  
RT: 7.047 min Scan# 758  
Delta R.T. 0.005 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

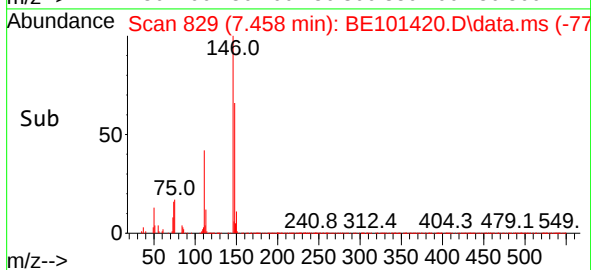
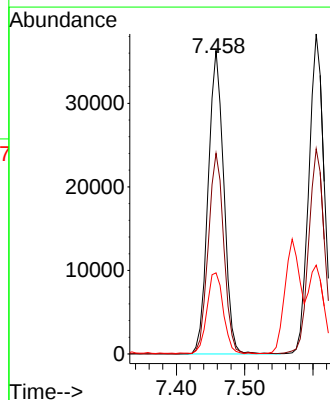
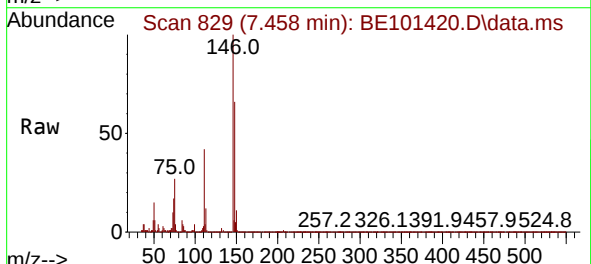
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

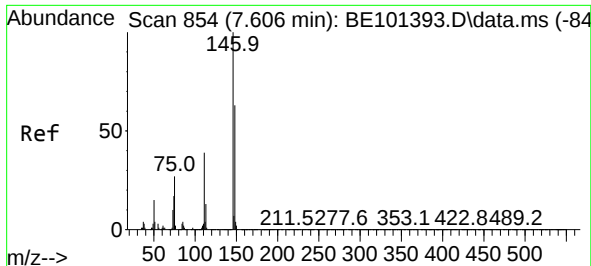
| Tgt Ion: | 93    | Resp: | 47914 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 65.5  | 46.3  | 86.3  |
| 95       | 30.1  | 9.6   | 49.6  |



#12  
1,3-Dichlorobenzene  
Concen: 3.511 ng  
RT: 7.458 min Scan# 829  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

| Tgt Ion: | 146   | Resp: | 57800 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 66.1  | 50.5  | 75.7  |
| 75       | 26.7  | 22.0  | 33.0  |

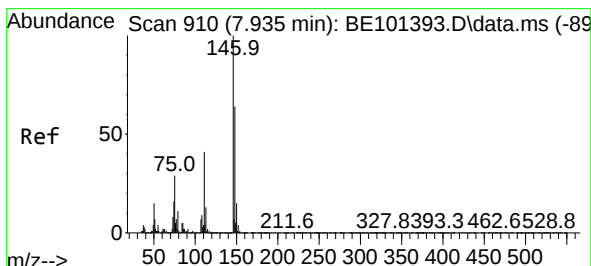
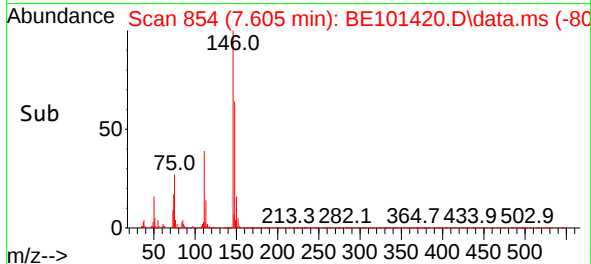
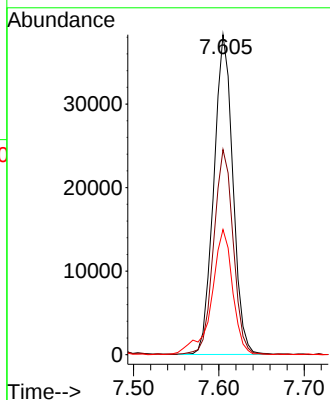
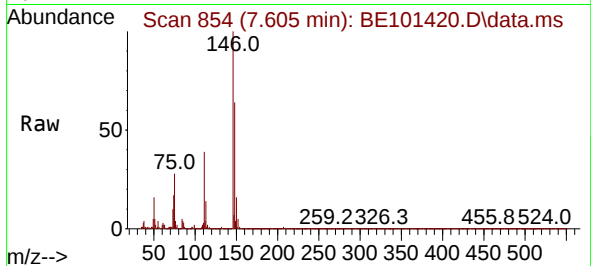




#13  
1,4-Dichlorobenzene  
Concen: 3.537 ng  
RT: 7.605 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

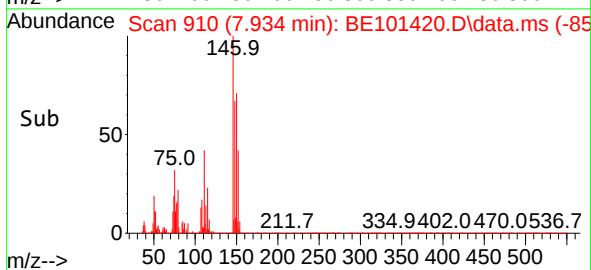
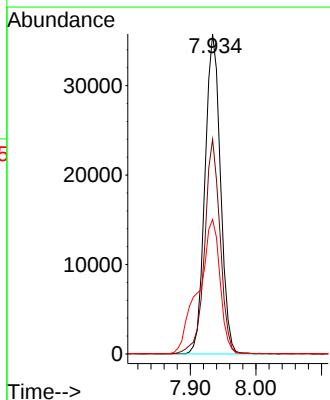
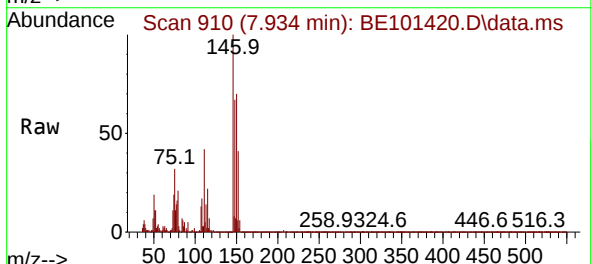
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

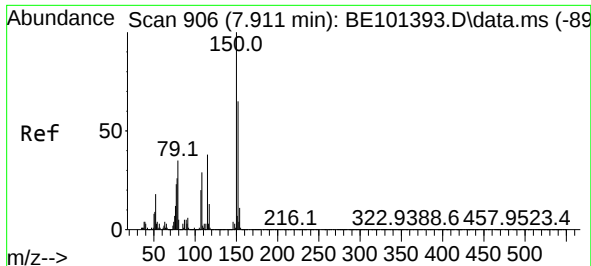
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 59457 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 64.1  | 50.2  | 75.2  |
| 111      | 39.1  | 31.6  | 47.4  |



#14  
1,2-Dichlorobenzene  
Concen: 3.561 ng  
RT: 7.934 min Scan# 910  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 58591 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 67.1  | 51.4  | 77.2  |
| 111      | 42.1  | 32.8  | 49.2  |

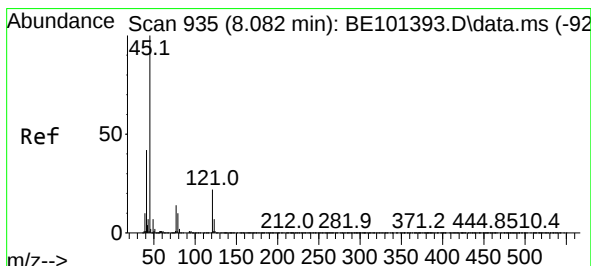
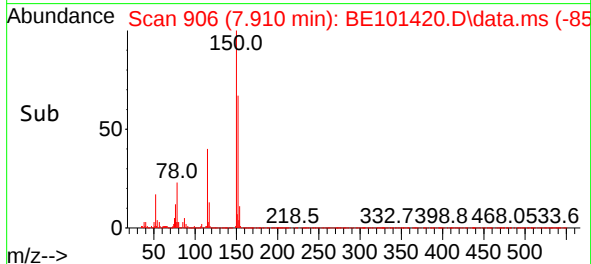
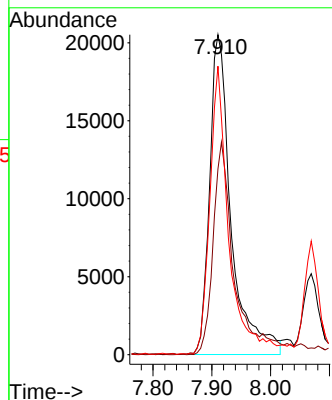
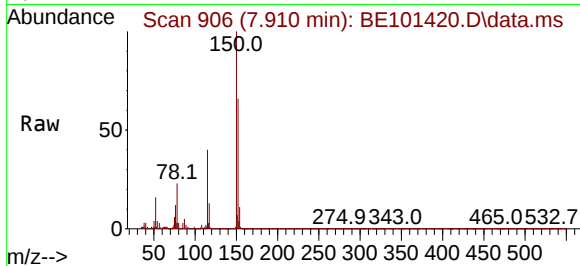




#15  
Benzyl Alcohol  
Concen: 4.954 ng  
RT: 7.910 min Scan# 906  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

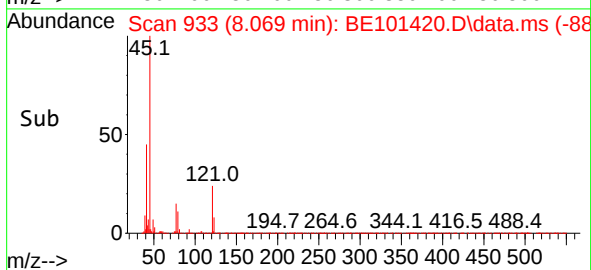
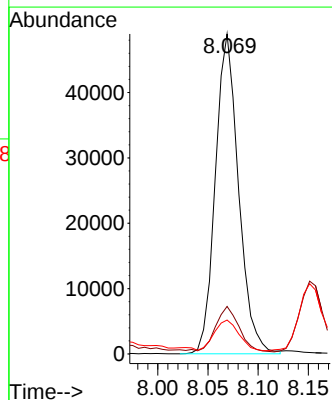
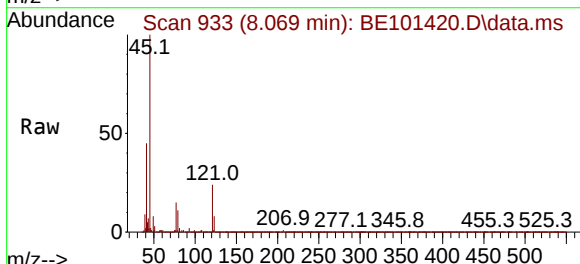
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

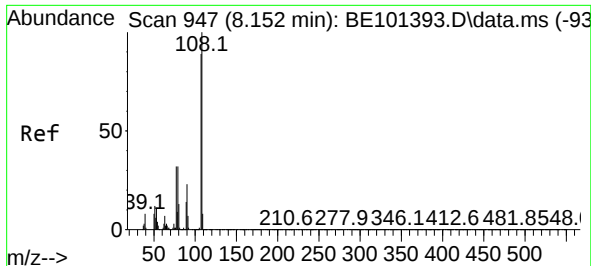
Tgt Ion: 79 Resp: 52117  
Ion Ratio Lower Upper  
79 100  
108 58.0 66.1 99.1#  
77 90.2 53.1 79.7#



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.981 ng  
RT: 8.069 min Scan# 933  
Delta R.T. -0.013 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 45 Resp: 78692  
Ion Ratio Lower Upper  
45 100  
77 14.9 0.0 34.5  
79 10.6 0.0 31.8

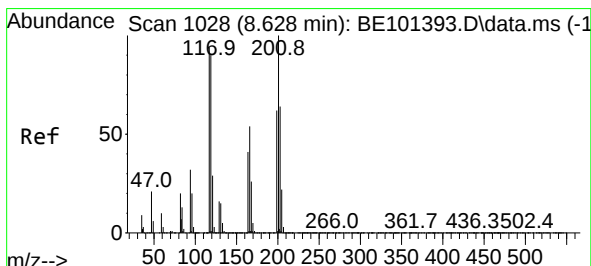
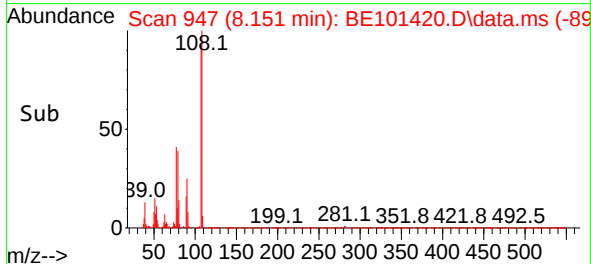
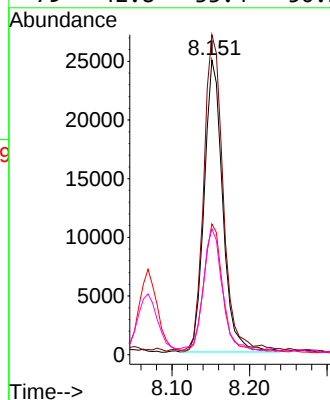
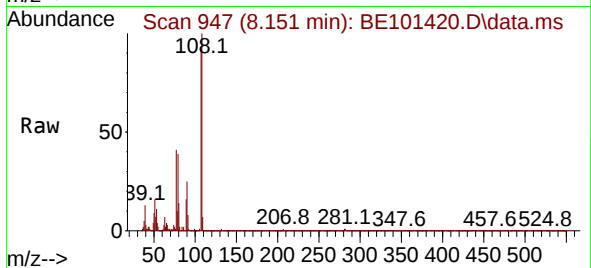




#17  
2-Methylphenol  
Concen: 3.190 ng  
RT: 8.151 min Scan# 947  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

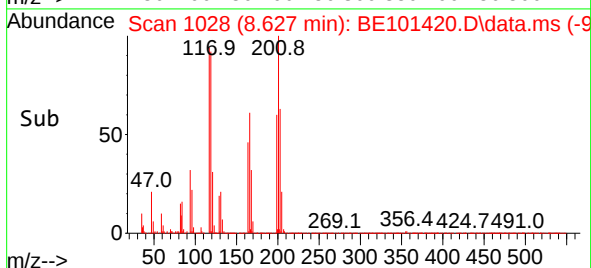
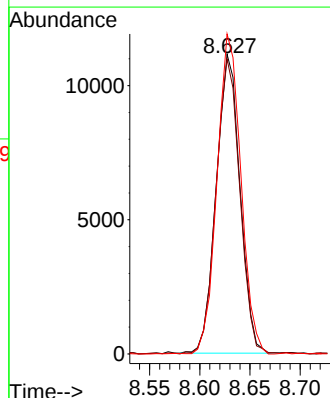
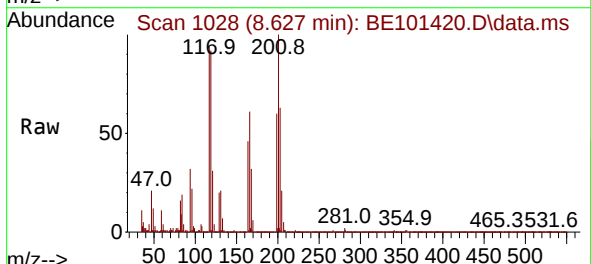
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

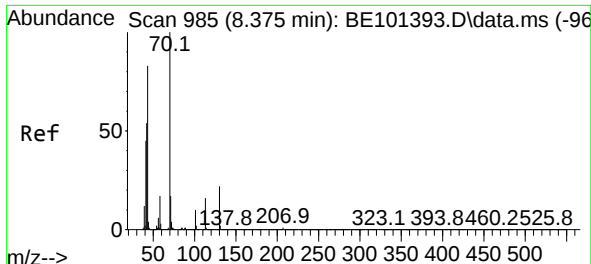
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 41342 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 108.6 | 90.0  | 135.0 |
| 77       | 44.3  | 34.2  | 51.4  |
| 79       | 42.8  | 33.4  | 50.2  |



#18  
Hexachloroethane  
Concen: 3.340 ng  
RT: 8.627 min Scan# 1028  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 18332 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.4  | 77.0  | 115.4 |
| 201      | 106.8 | 85.3  | 127.9 |

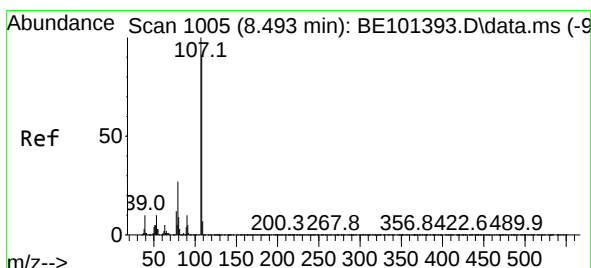
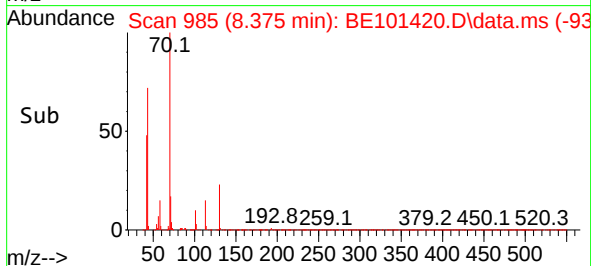
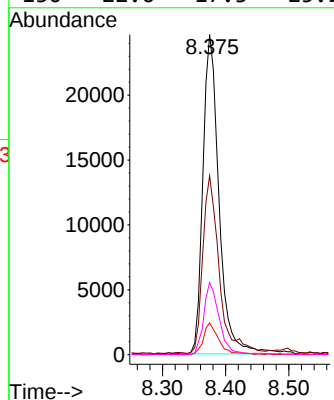
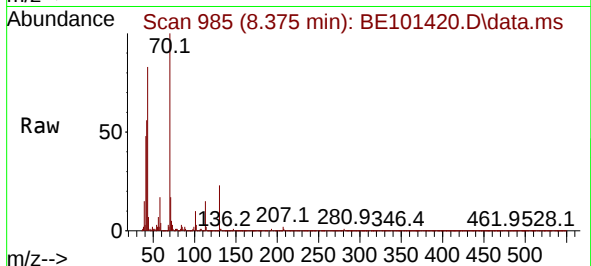




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.710 ng  
RT: 8.375 min Scan# 91  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

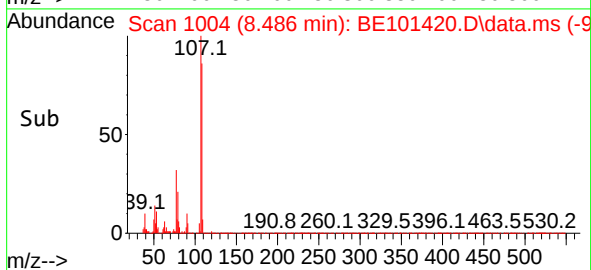
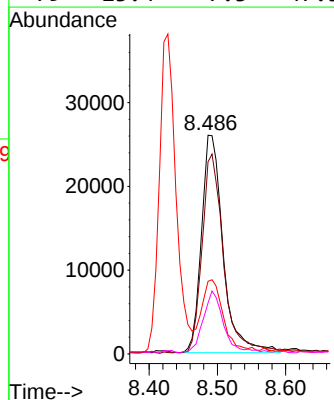
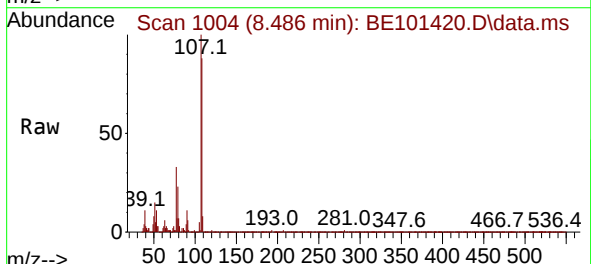
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

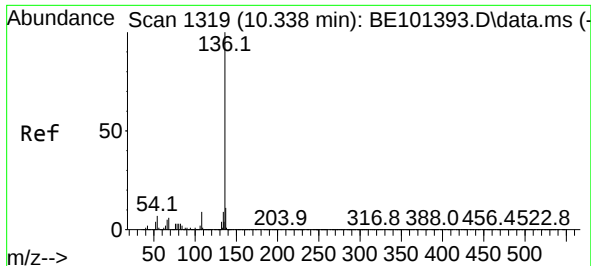
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 43448 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.9  | 43.4  | 65.0  |
| 101      | 9.9   | 8.1   | 12.1  |
| 130      | 22.6  | 17.3  | 25.9  |



#20  
3+4-Methylphenols  
Concen: 3.208 ng  
RT: 8.486 min Scan# 1004  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 57384 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 87.9  | 70.6  | 110.6 |
| 77       | 33.2  | 11.3  | 51.3  |
| 79       | 23.4  | 7.3   | 47.3  |

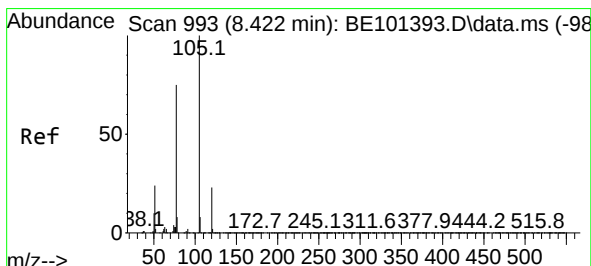
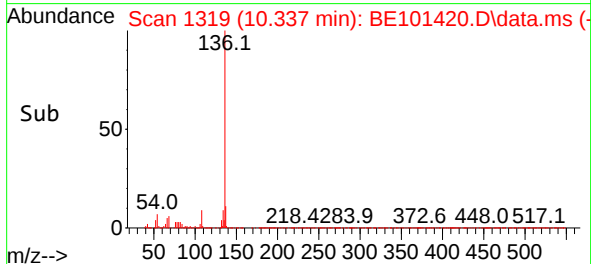
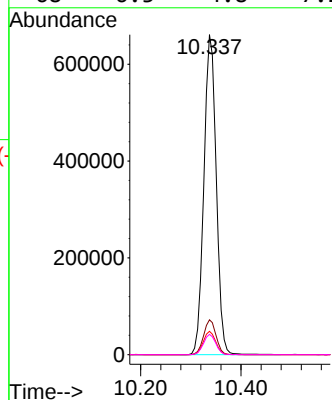
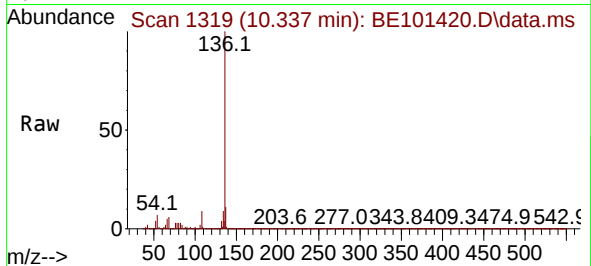




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.337 min Scan# 111  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

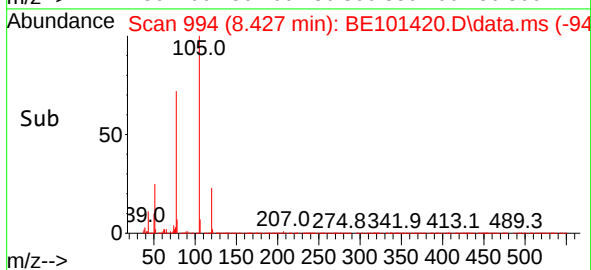
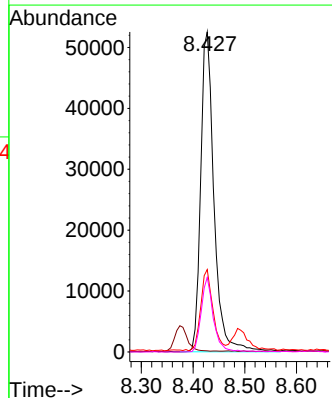
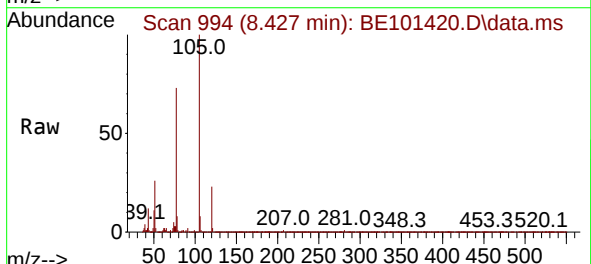
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

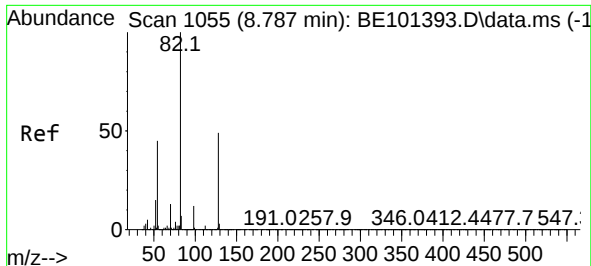
Tgt Ion:136 Resp: 1131479  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.6  
54 7.3 5.9 8.9  
68 6.3 4.8 7.2



#22  
Acetophenone  
Concen: 3.664 ng  
RT: 8.427 min Scan# 994  
Delta R.T. 0.005 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:105 Resp: 94129  
Ion Ratio Lower Upper  
105 100  
71 0.4 0.1 0.1#  
51 25.8 19.4 29.0  
120 23.3 18.4 27.6

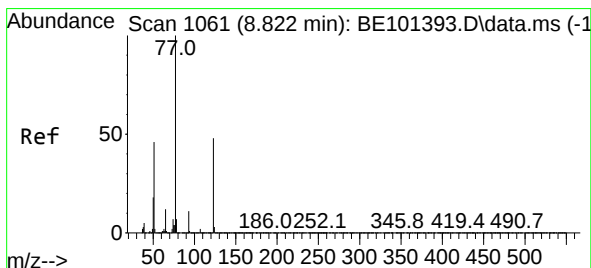
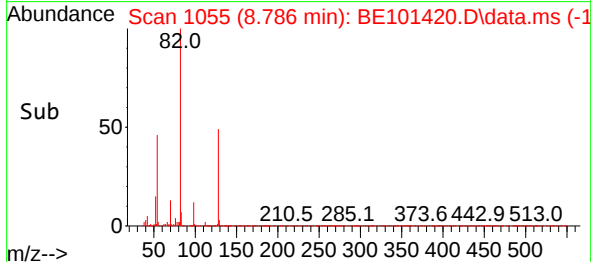
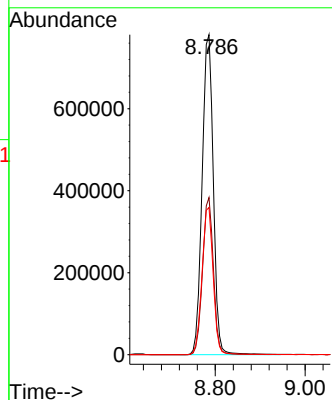
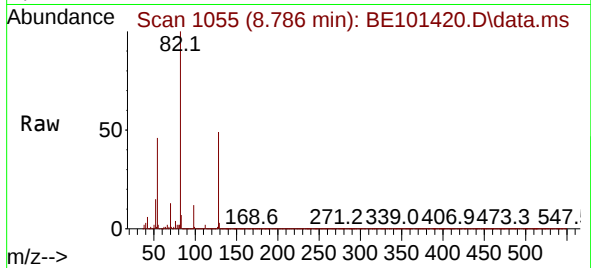




#23  
Nitrobenzene-d5  
Concen: 74.986 ng  
RT: 8.786 min Scan# 1055  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

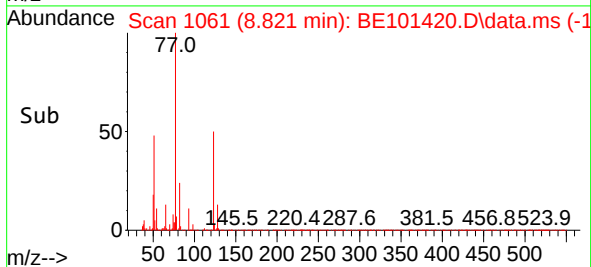
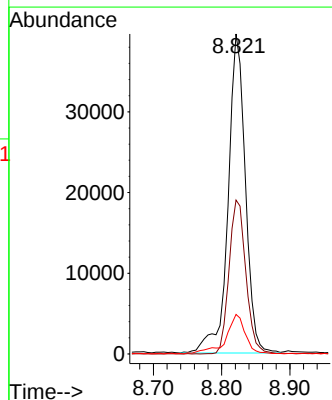
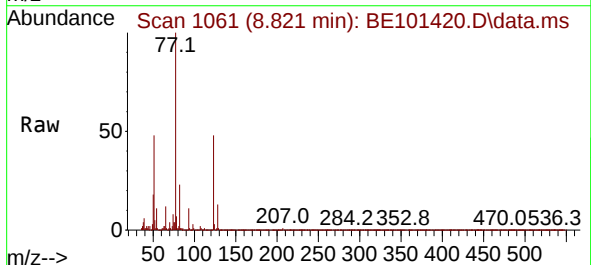
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

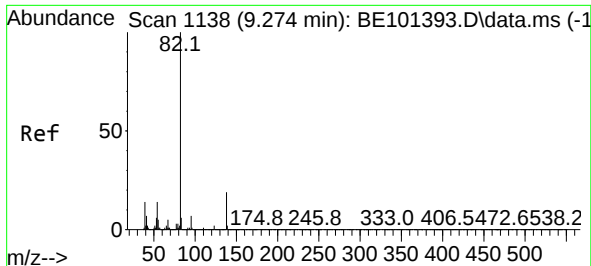
Tgt Ion: 82 Resp: 1350833  
Ion Ratio Lower Upper  
82 100  
128 49.1 38.9 58.3  
54 46.0 36.2 54.4



#24  
Nitrobenzene  
Concen: 3.649 ng  
RT: 8.821 min Scan# 1061  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 77 Resp: 69963  
Ion Ratio Lower Upper  
77 100  
123 48.1 38.7 58.1  
65 12.4 10.0 15.0





#25

Isophorone

Concen: 3.534 ng

RT: 9.273 min Scan# 1138

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

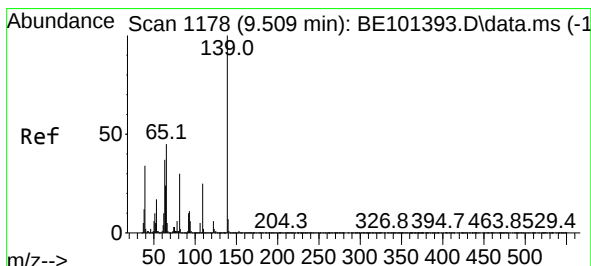
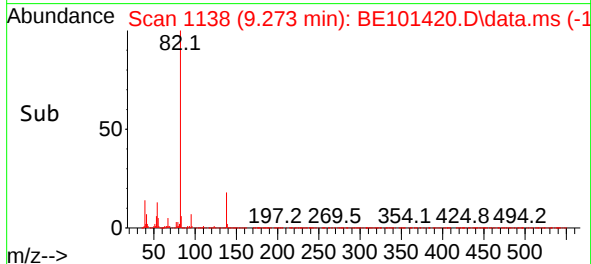
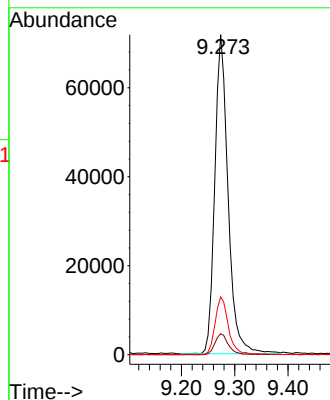
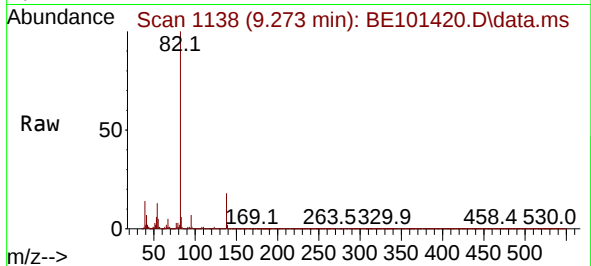
Tgt Ion: 82 Resp: 124217

Ion Ratio Lower Upper

82 100

95 6.5 5.5 8.3

138 18.0 15.0 22.4



#26

2-Nitrophenol

Concen: 3.167 ng

RT: 9.508 min Scan# 1178

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

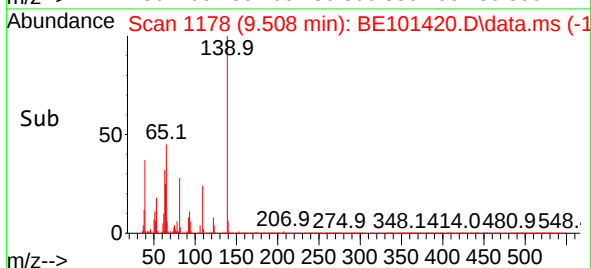
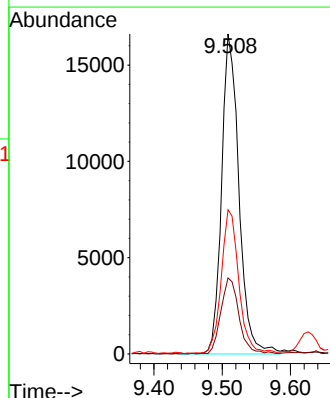
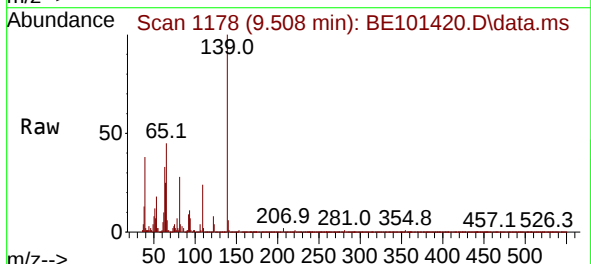
Tgt Ion:139 Resp: 29353

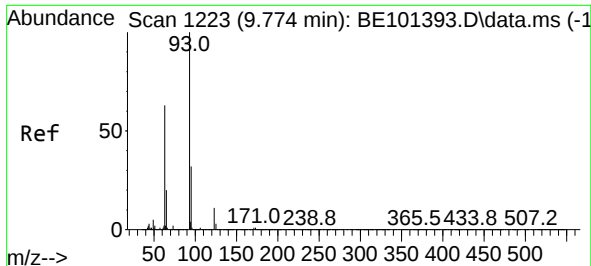
Ion Ratio Lower Upper

139 100

109 23.7 20.1 30.1

65 45.0 36.0 54.0

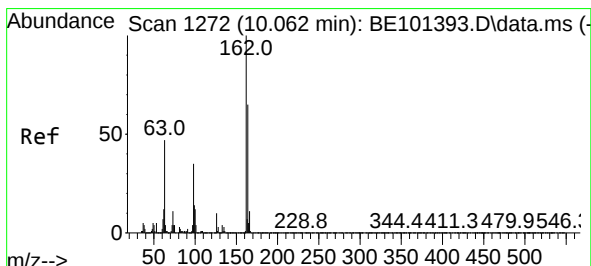
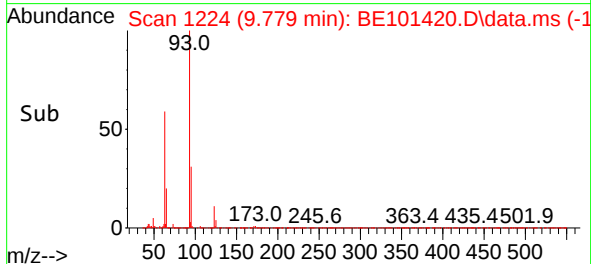
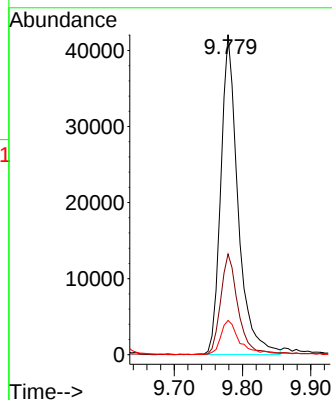
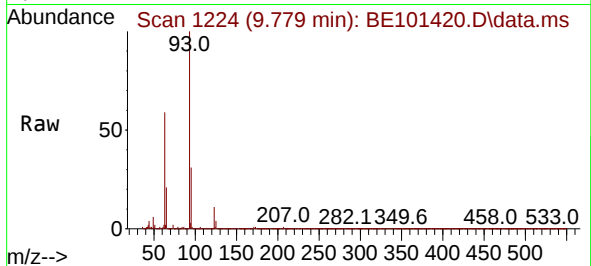




#28  
bis(2-Chloroethoxy)methane  
Concen: 3.452 ng  
RT: 9.779 min Scan# 1223  
Delta R.T. 0.005 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

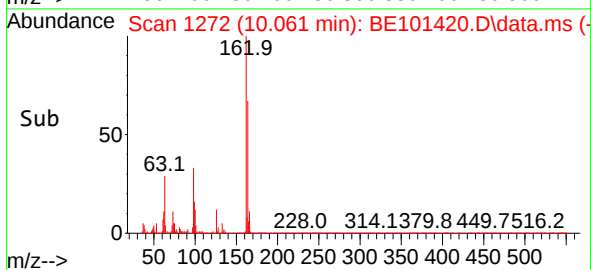
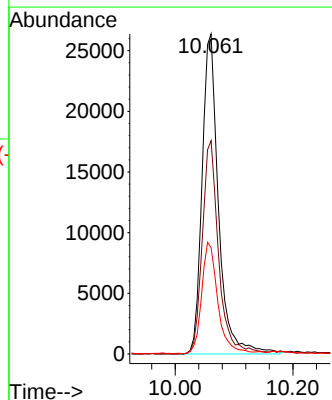
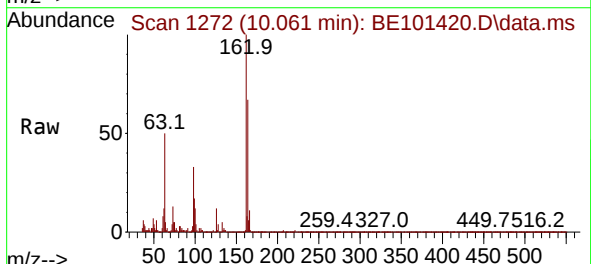
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

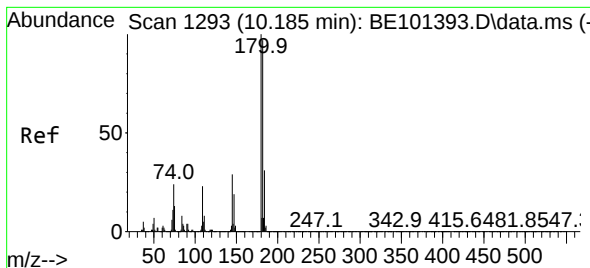
Tgt Ion: 93 Resp: 73582  
Ion Ratio Lower Upper  
93 100  
95 31.5 25.8 38.6  
123 10.7 8.6 13.0



#29  
2,4-Dichlorophenol  
Concen: 3.172 ng  
RT: 10.061 min Scan# 1272  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion: 162 Resp: 51172  
Ion Ratio Lower Upper  
162 100  
164 66.7 45.4 85.4  
98 33.2 14.5 54.5





#30

1,2,4-Trichlorobenzene

Concen: 3.435 ng

RT: 10.184 min Scan# 11

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

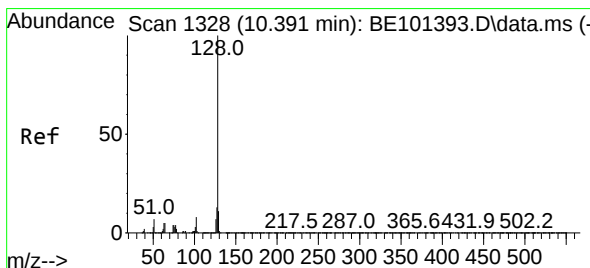
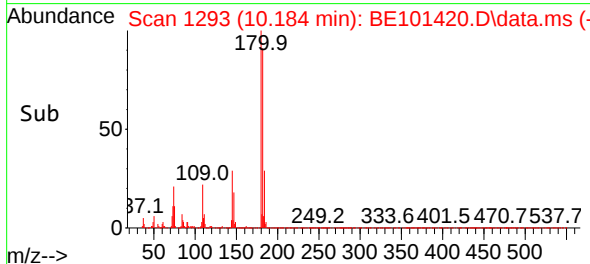
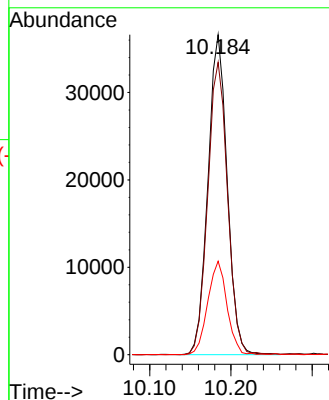
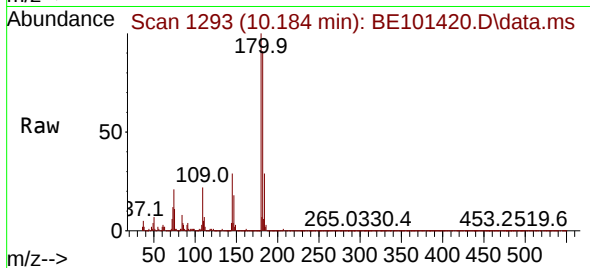
Tgt Ion:180 Resp: 60365

Ion Ratio Lower Upper

180 100

182 91.4 77.4 116.0

145 29.2 23.3 34.9



#31

Naphthalene

Concen: 3.464 ng

RT: 10.384 min Scan# 1327

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

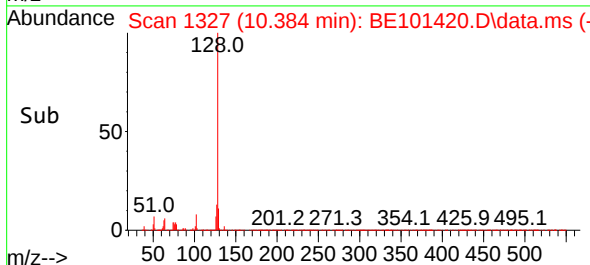
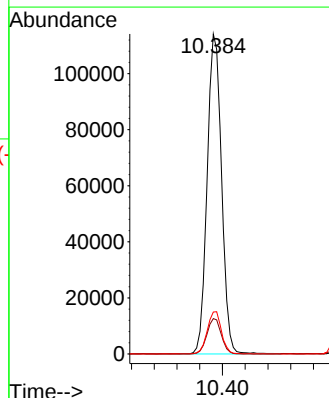
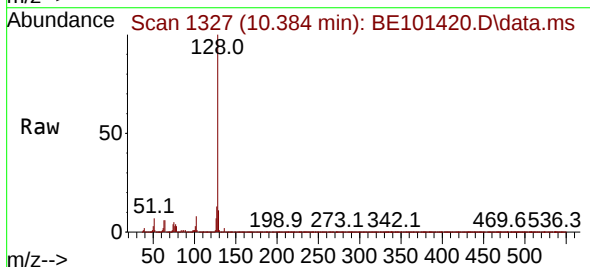
Tgt Ion:128 Resp: 199759

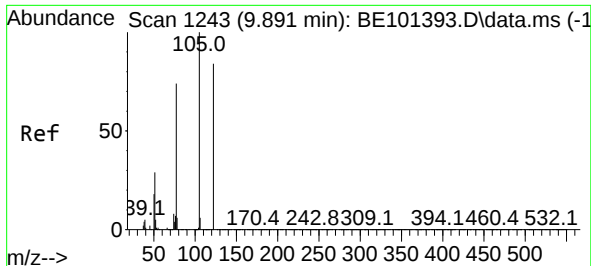
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.1 10.3 15.5

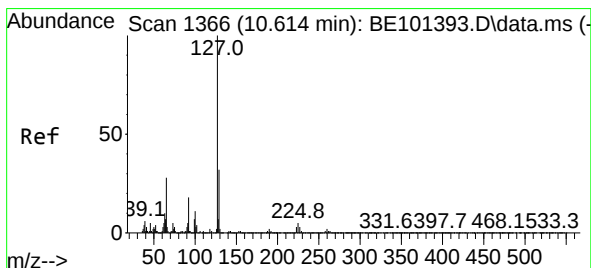
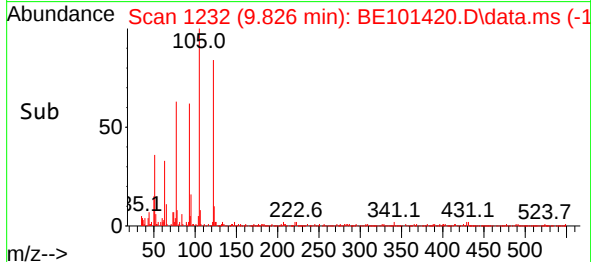
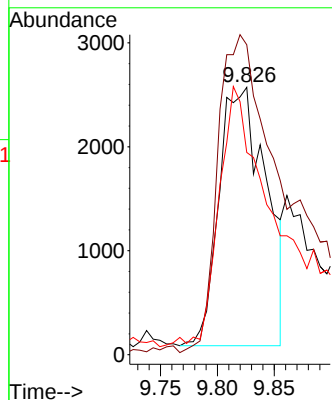
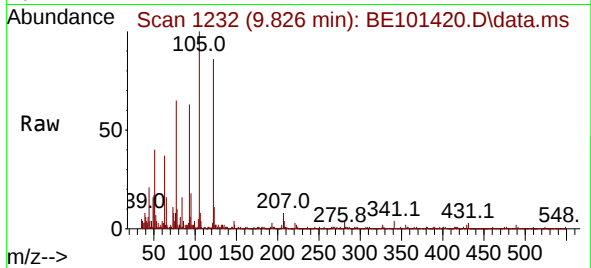




#32  
Benzoic acid  
Concen: 8.708 ng  
RT: 9.826 min Scan# 11  
Delta R.T. -0.065 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

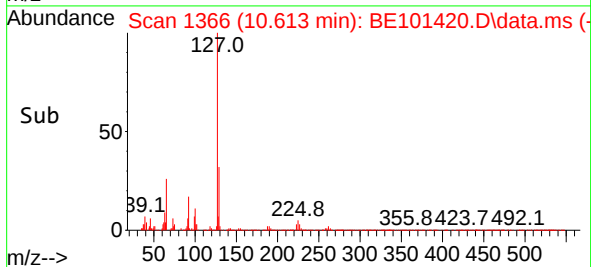
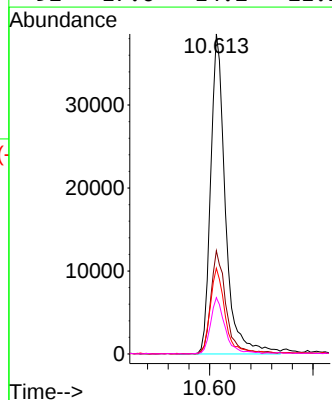
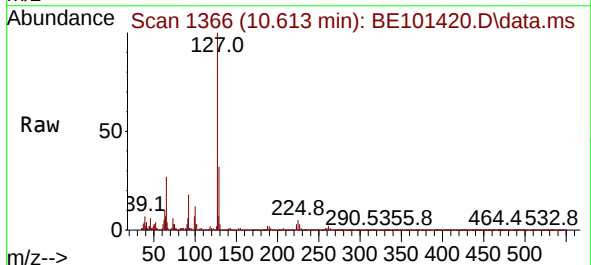
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

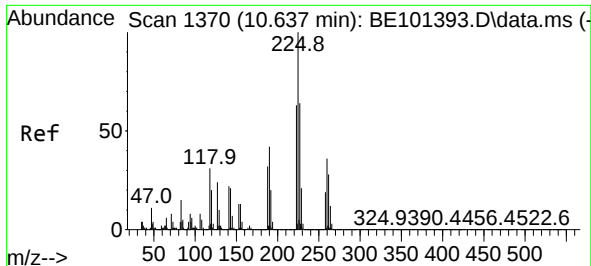
Tgt Ion:122 Resp: 7130  
Ion Ratio Lower Upper  
122 100  
105 115.9 97.9 137.9  
77 75.7 68.1 108.1



#33  
4-Chloroaniline  
Concen: 3.812 ng  
RT: 10.613 min Scan# 1366  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:127 Resp: 76424  
Ion Ratio Lower Upper  
127 100  
129 32.2 25.7 38.5  
65 26.8 22.2 33.4  
92 17.6 14.2 21.2

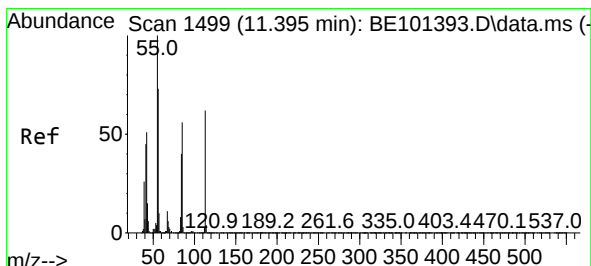
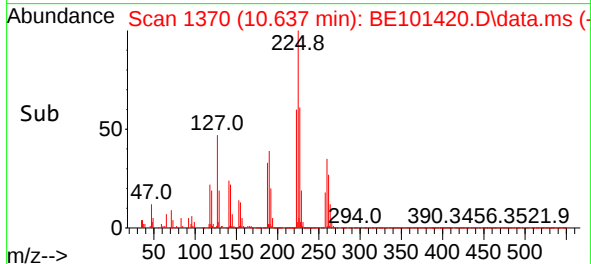
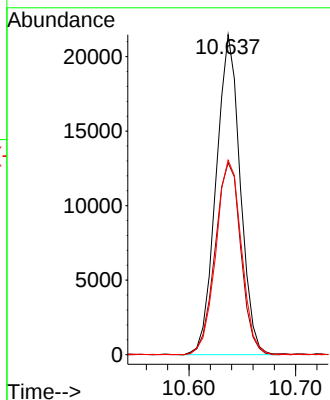
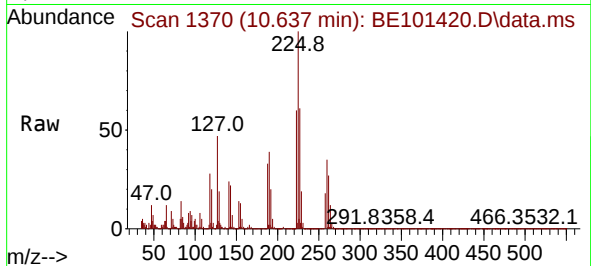




#34  
Hexachlorobutadiene  
Concen: 3.240 ng  
RT: 10.637 min Scan# 1370  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

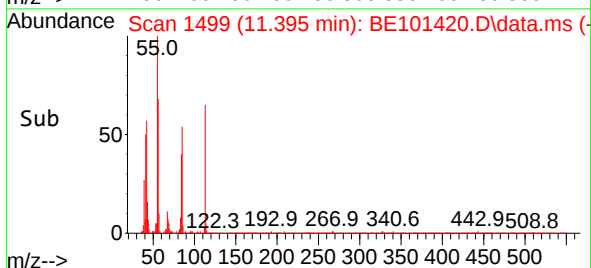
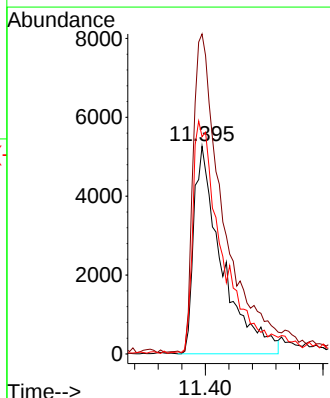
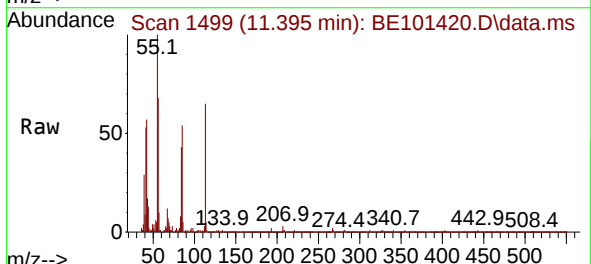
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

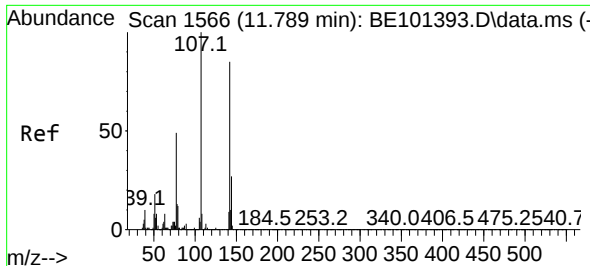
Tgt Ion:225 Resp: 33707  
Ion Ratio Lower Upper  
225 100  
223 59.9 50.5 75.7  
227 60.8 51.0 76.6



#35  
Caprolactam  
Concen: 2.823 ng  
RT: 11.395 min Scan# 1499  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:113 Resp: 17459  
Ion Ratio Lower Upper  
113 100  
55 154.0 141.2 181.2  
56 104.6 96.9 136.9

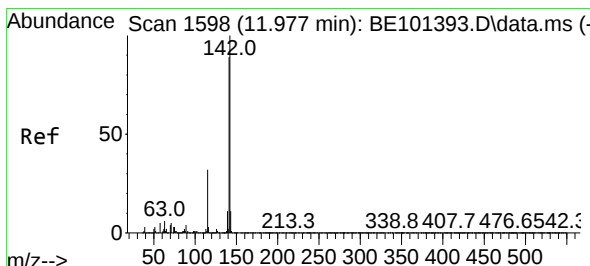
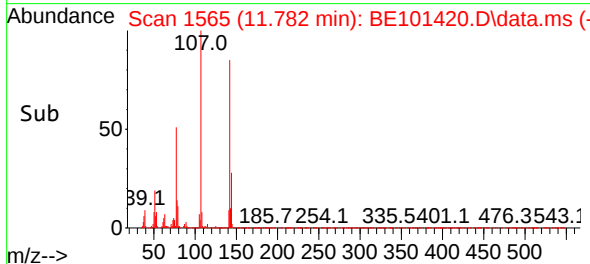
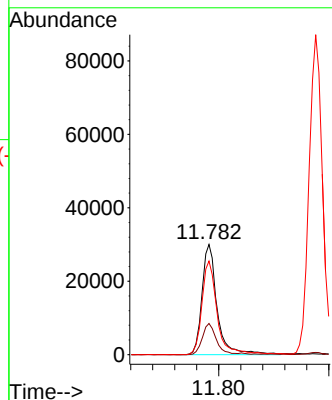
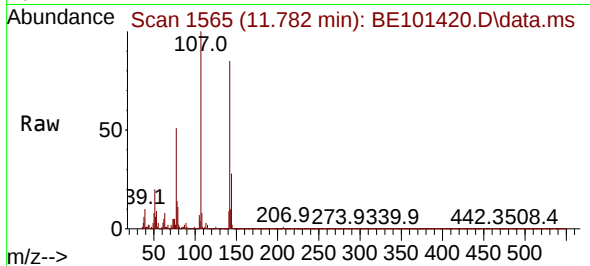




#36  
4-Chloro-3-methylphenol  
Concen: 3.119 ng  
RT: 11.782 min Scan# 1566  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

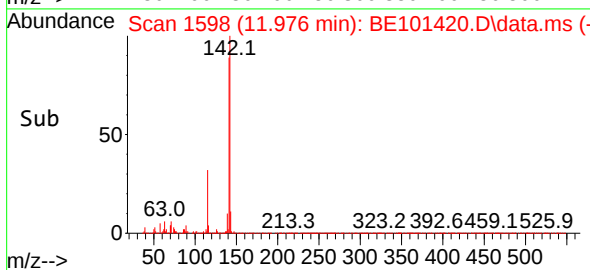
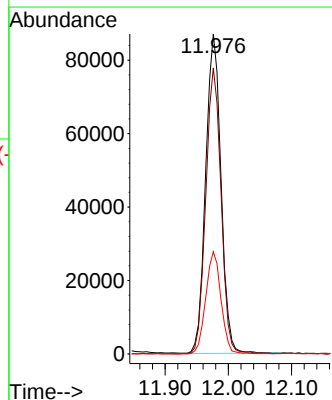
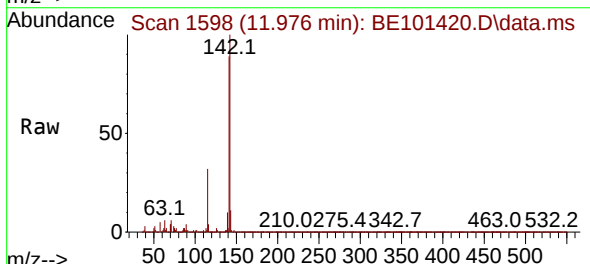
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

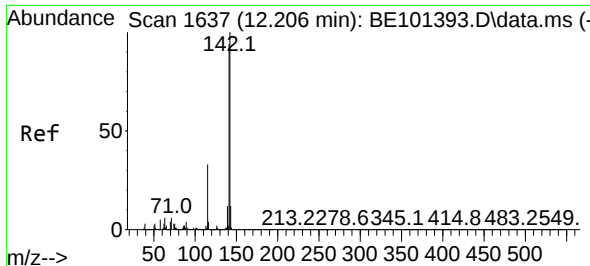
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 57298 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 28.3  | 21.9  | 32.9  |
| 142       | 84.8  | 68.0  | 102.0 |



#37  
2-Methylnaphthalene  
Concen: 3.517 ng  
RT: 11.976 min Scan# 1598  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 146105 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 89.4  | 71.4  | 107.2  |
| 115       | 31.9  | 25.6  | 38.4   |

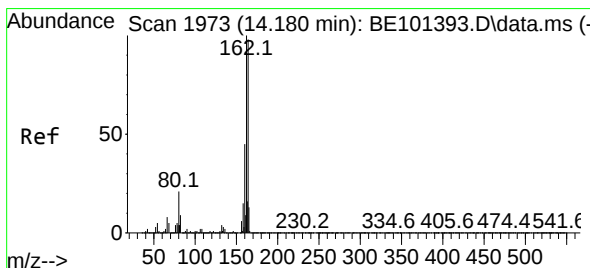
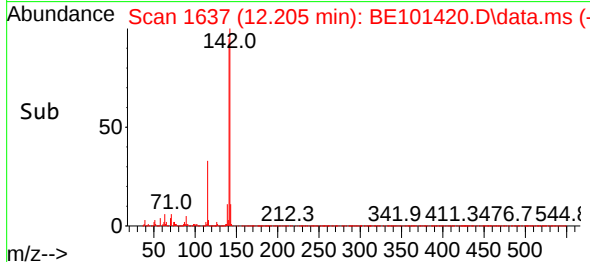
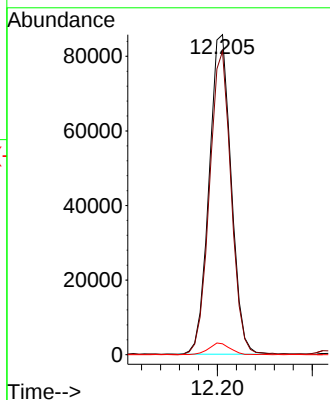
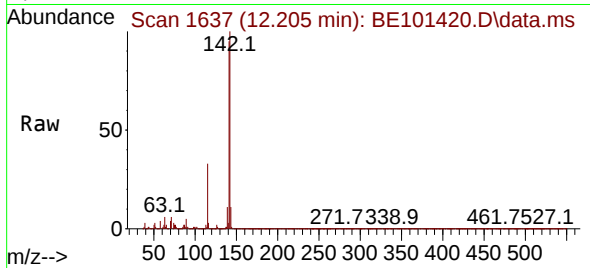




#38  
1-Methylnaphthalene  
Concen: 3.339 ng  
RT: 12.205 min Scan# 1637  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

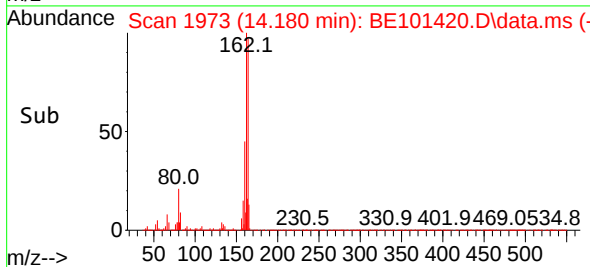
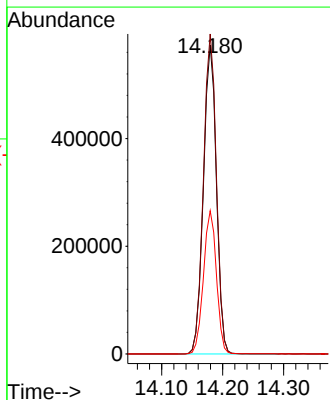
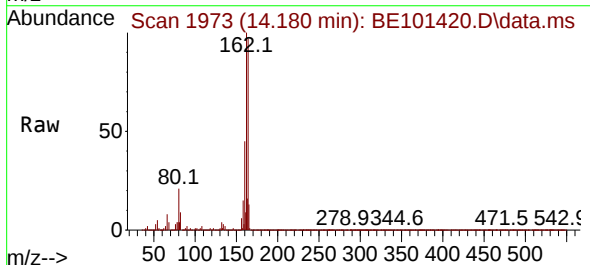
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

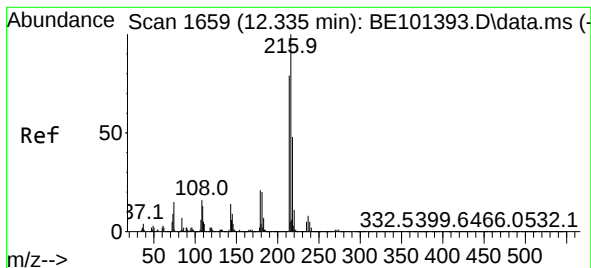
Tgt Ion:142 Resp: 138450  
Ion Ratio Lower Upper  
142 100  
141 94.8 75.0 112.4  
116 3.4 2.9 4.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.180 min Scan# 1973  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:164 Resp: 847490  
Ion Ratio Lower Upper  
164 100  
162 103.6 81.3 121.9  
160 46.4 36.4 54.6

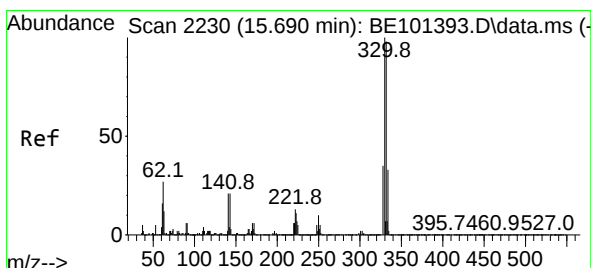
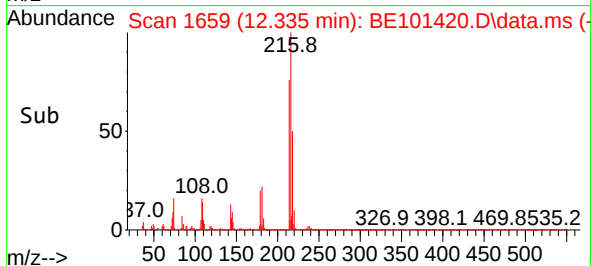
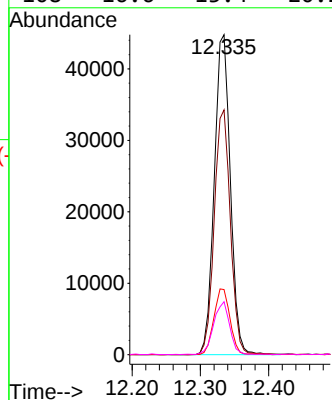
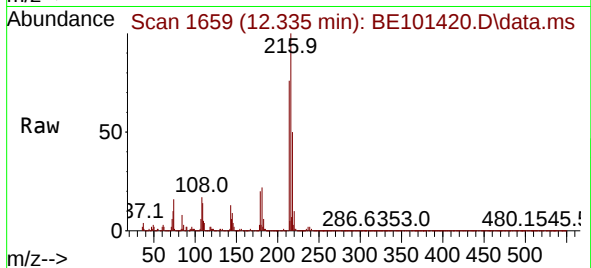




#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.450 ng  
RT: 12.335 min Scan# 1659  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

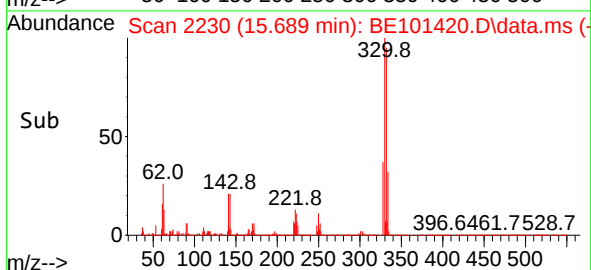
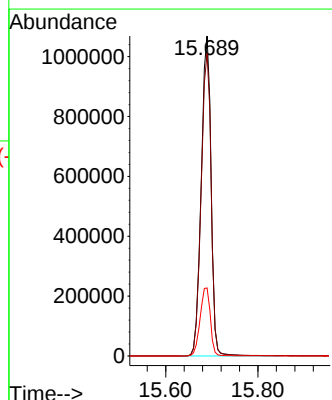
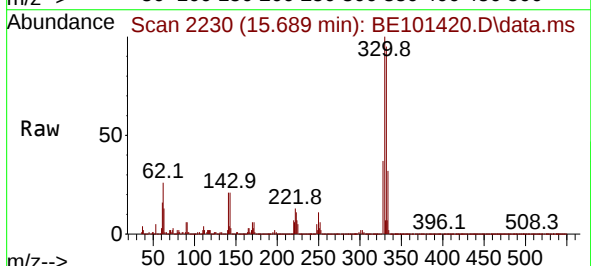
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

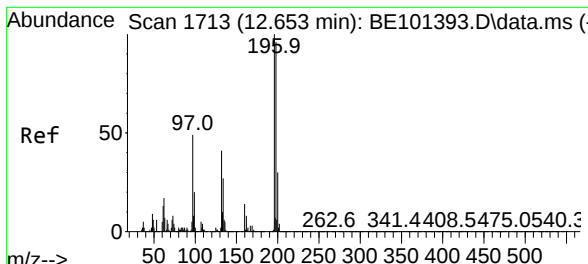
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 73388 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 76.8  | 63.0  | 94.4  |
| 179      | 20.7  | 16.7  | 25.1  |
| 108      | 16.6  | 13.4  | 20.2  |



#42  
2,4,6-Tribromophenol  
Concen: 107.076 ng  
RT: 15.689 min Scan# 2230  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 330   | Resp: | 1590479 |
| Ion      | Ratio | Lower | Upper   |
| 330      | 100   |       |         |
| 332      | 96.0  | 78.2  | 117.2   |
| 141      | 22.1  | 18.3  | 27.5    |

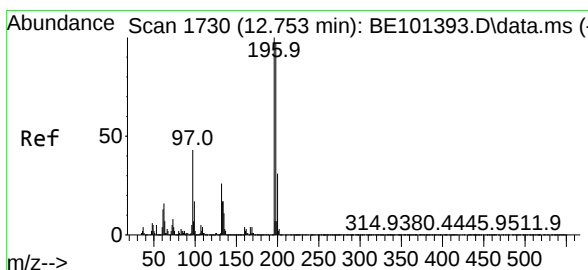
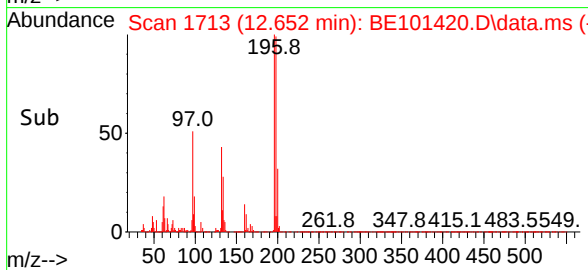
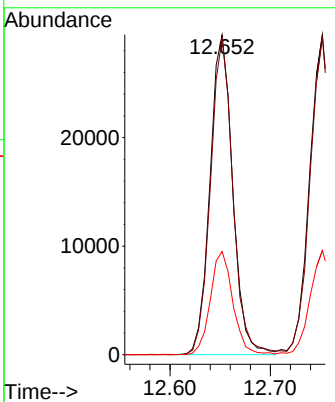
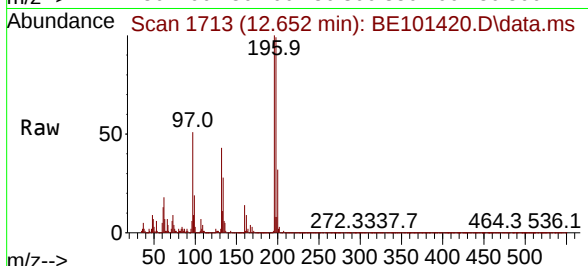




#43  
2,4,6-Trichlorophenol  
Concen: 3.147 ng  
RT: 12.652 min Scan# 1713  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

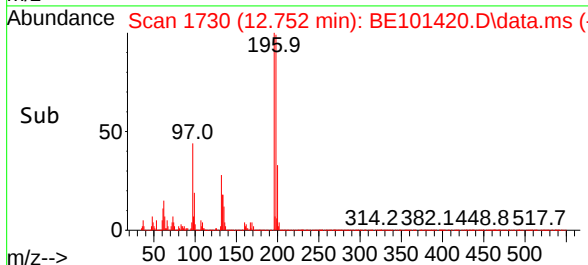
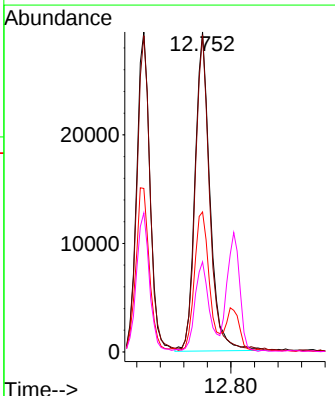
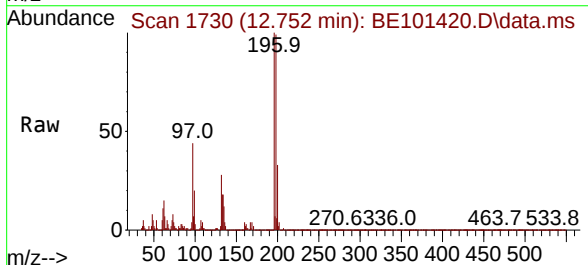
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

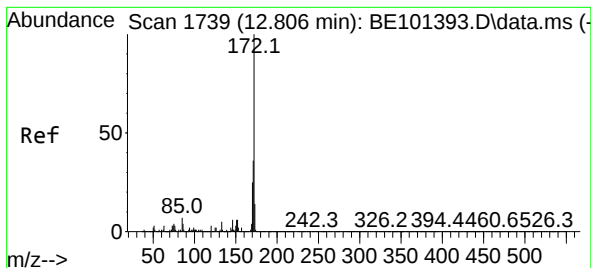
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 46152      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 98.9  | 76.6 115.0 |
| 200         | 32.3  | 24.1 36.1  |



#44  
2,4,5-Trichlorophenol  
Concen: 3.087 ng  
RT: 12.752 min Scan# 1730  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 51848      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 99.1  | 77.4 116.0 |
| 97          | 43.7  | 34.8 52.2  |
| 132         | 28.2  | 21.2 31.8  |





#45

2-Fluorobiphenyl

Concen: 68.687 ng

RT: 12.805 min Scan# 1739

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

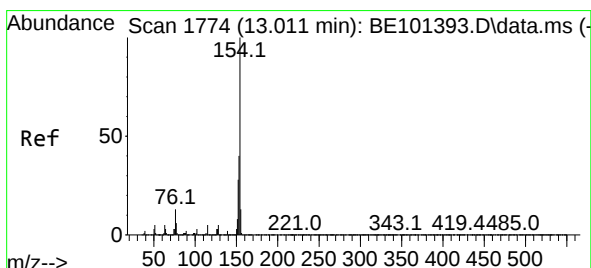
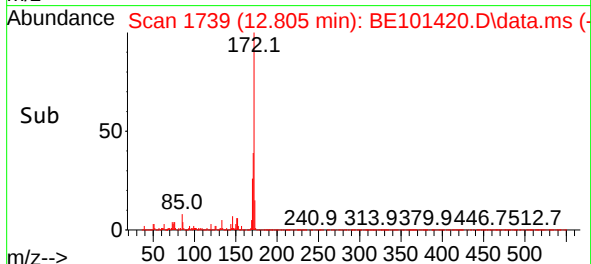
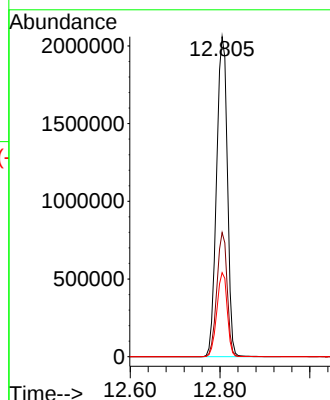
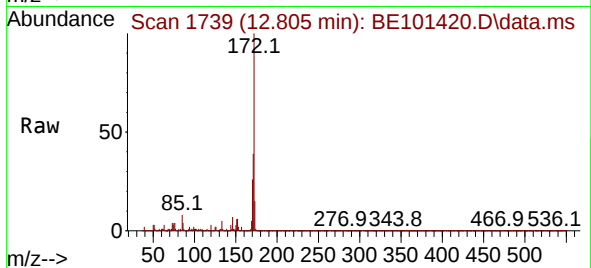
Tgt Ion:172 Resp: 3437252

Ion Ratio Lower Upper

172 100

171 38.8 29.2 43.8

170 26.3 19.8 29.6



#46

1,1'-Biphenyl

Concen: 3.735 ng

RT: 13.004 min Scan# 1773

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

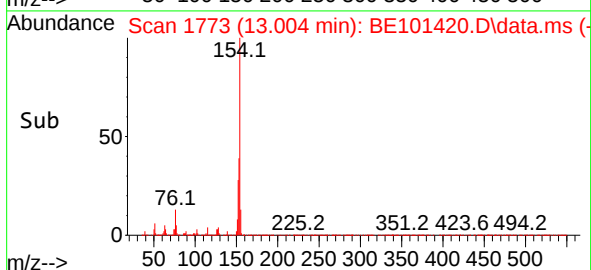
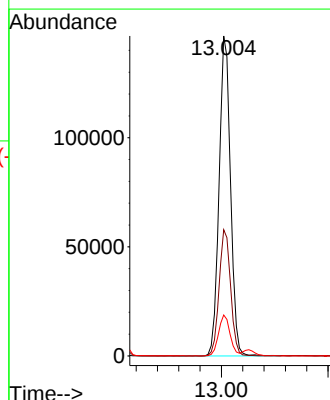
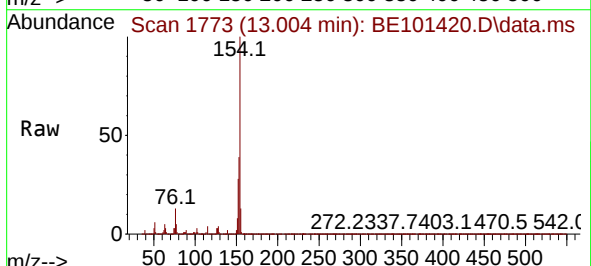
Tgt Ion:154 Resp: 216843

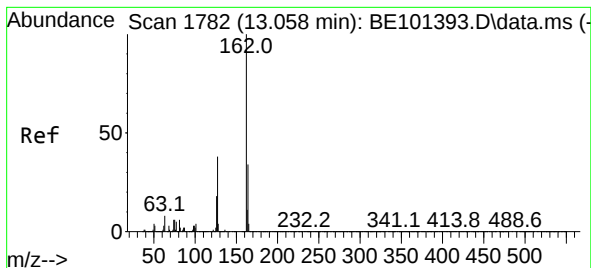
Ion Ratio Lower Upper

154 100

153 39.5 20.3 60.3

76 12.8 0.0 32.6





#47

2-Chloronaphthalene

Concen: 3.373 ng

RT: 13.051 min Scan# 1

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

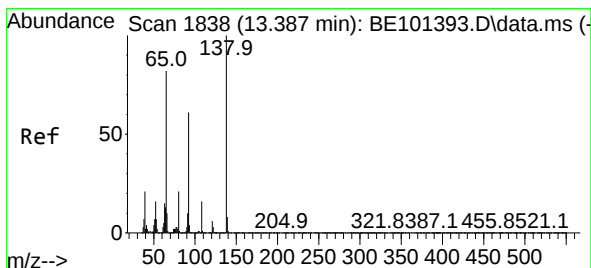
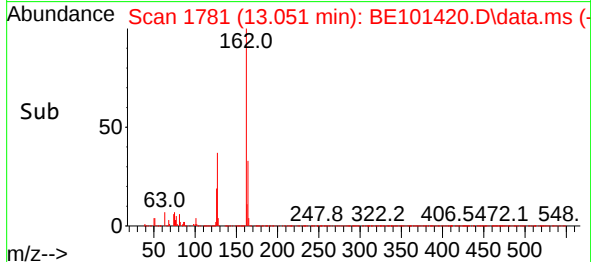
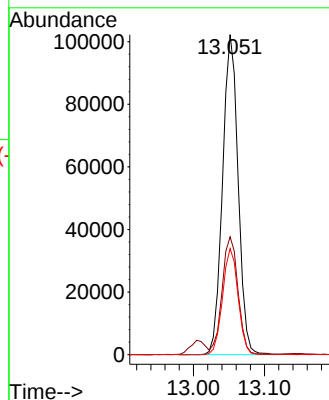
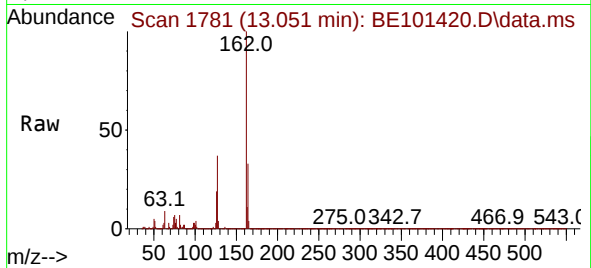
Tgt Ion:162 Resp: 154728

Ion Ratio Lower Upper

162 100

127 36.9 30.4 45.6

164 33.2 27.0 40.6



#48

2-Nitroaniline

Concen: 2.879 ng

RT: 13.386 min Scan# 1838

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

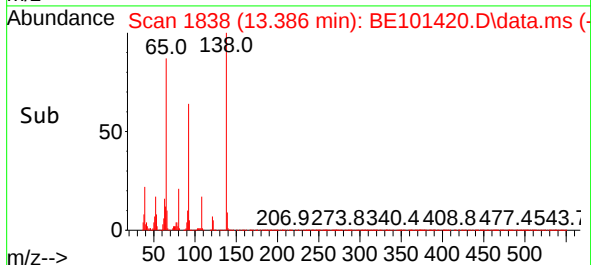
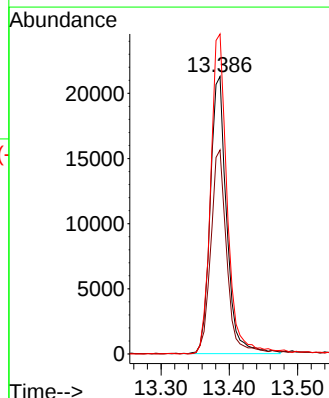
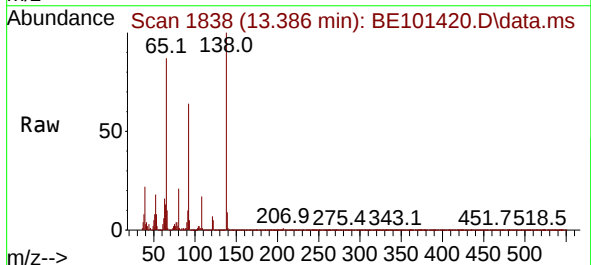
Tgt Ion: 65 Resp: 35543

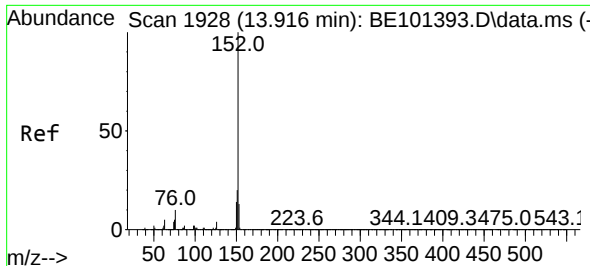
Ion Ratio Lower Upper

65 100

92 73.5 59.0 88.4

138 115.3 97.4 146.0

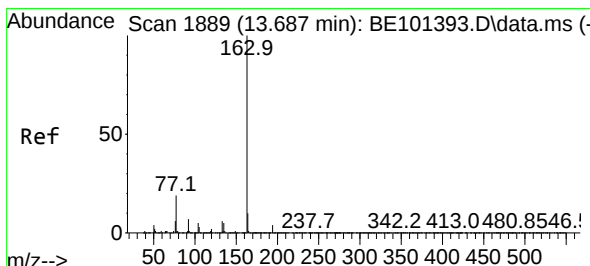
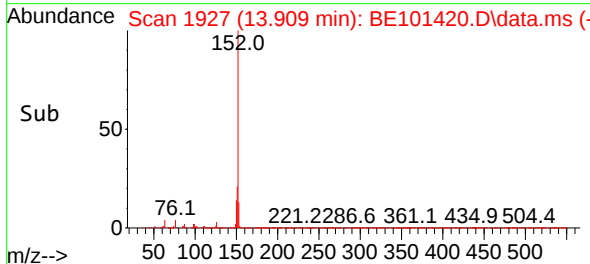
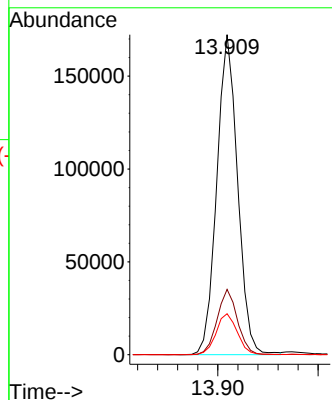
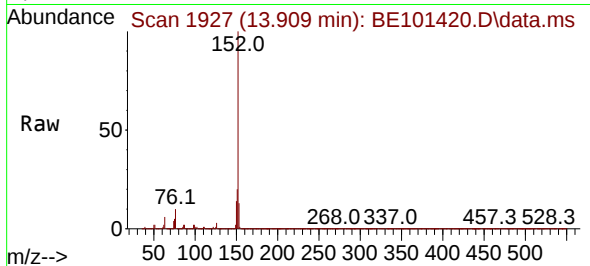




#49  
Acenaphthylene  
Concen: 3.649 ng  
RT: 13.909 min Scan# 1927  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

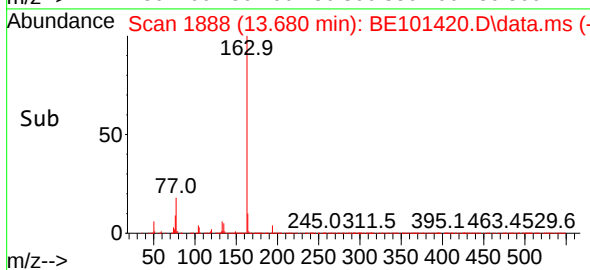
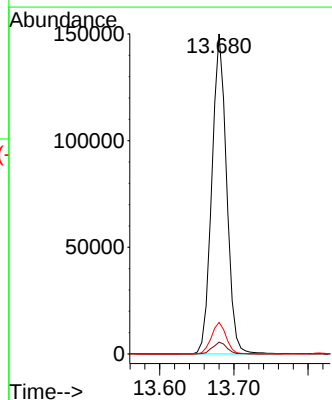
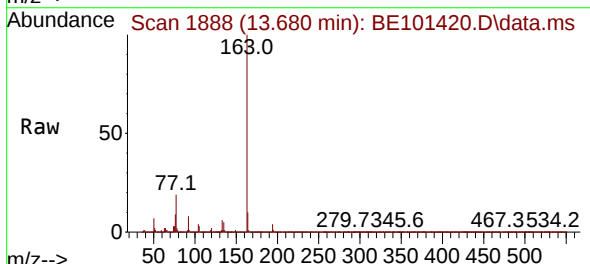
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

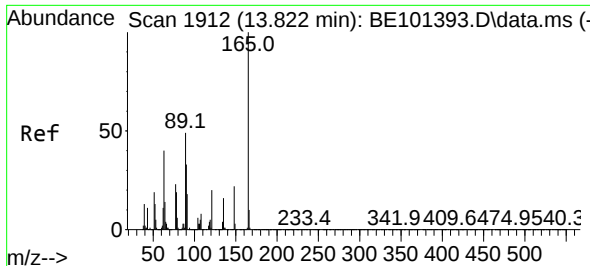
Tgt Ion:152 Resp: 247553  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.4  
153 12.8 10.5 15.7



#50  
Dimethylphthalate  
Concen: 3.459 ng  
RT: 13.680 min Scan# 1888  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:163 Resp: 206931  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.9 4.3  
164 9.9 8.4 12.6

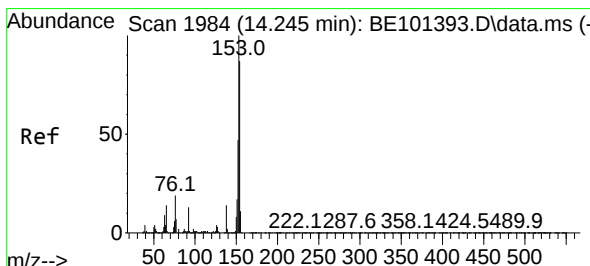
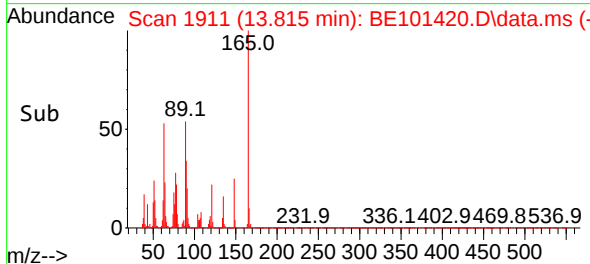
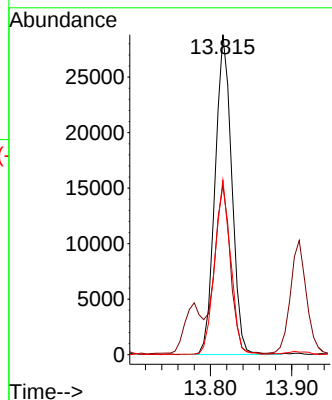
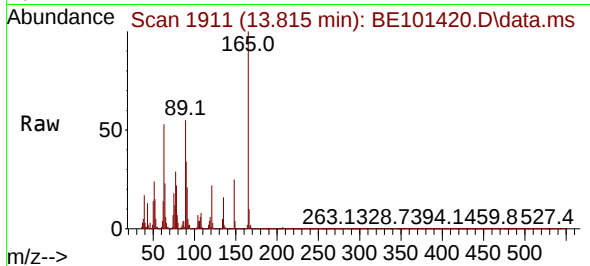




#51  
2,6-Dinitrotoluene  
Concen: 2.976 ng  
RT: 13.815 min Scan# 1911  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

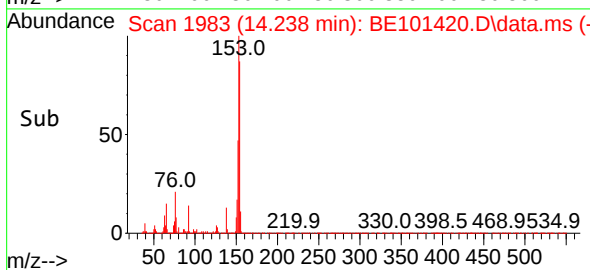
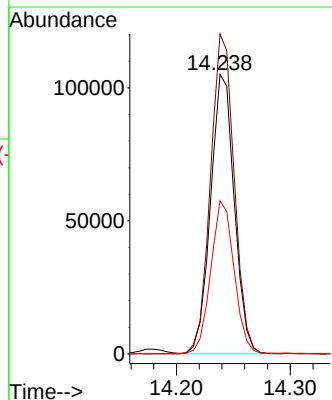
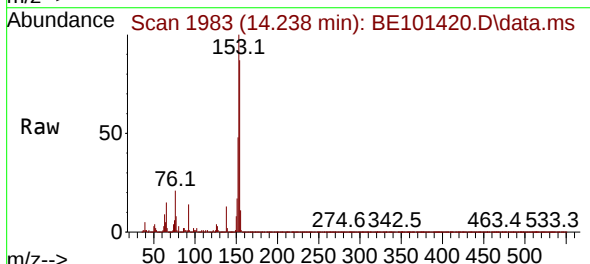
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

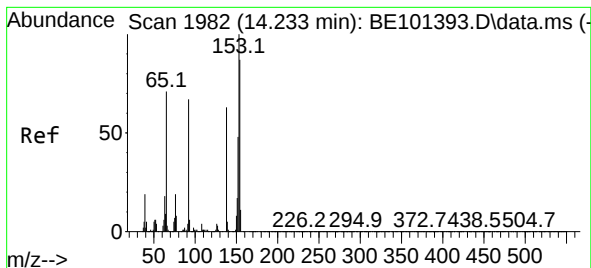
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 41109     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 53.0  | 38.0 57.0 |
| 89          | 54.5  | 39.5 59.3 |



#52  
Acenaphthene  
Concen: 3.430 ng  
RT: 14.238 min Scan# 1983  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 151951     |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 114.5 | 91.8 137.6 |
| 152         | 54.8  | 43.1 64.7  |





#53

3-Nitroaniline

Concen: 3.146 ng

RT: 14.232 min Scan# 1982

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

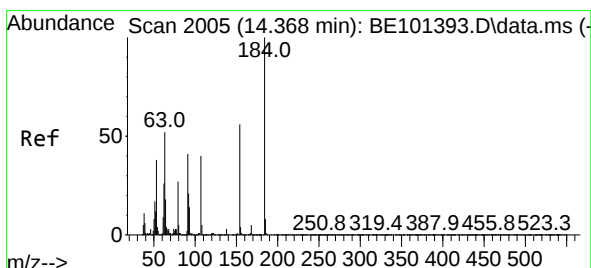
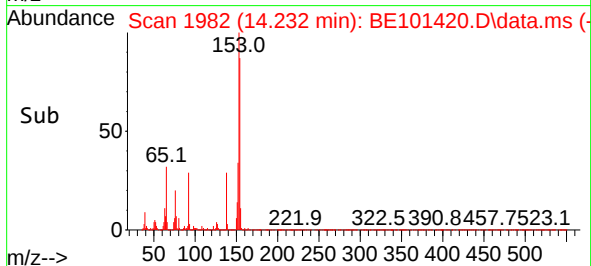
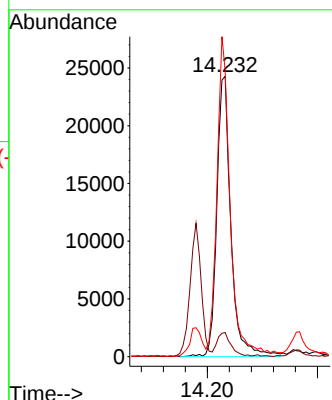
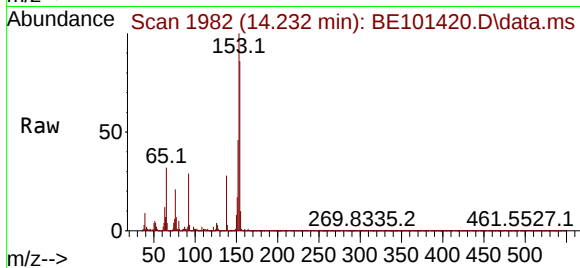
Tgt Ion:138 Resp: 43209

Ion Ratio Lower Upper

138 100

108 8.6 7.1 10.7

92 102.0 84.4 126.6



#54

2,4-Dinitrophenol

Concen: 6.938 ng

RT: 14.368 min Scan# 2005

Delta R.T. -0.000 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

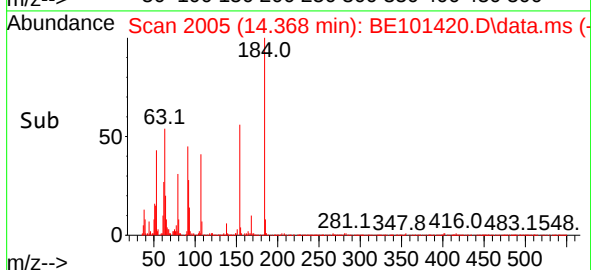
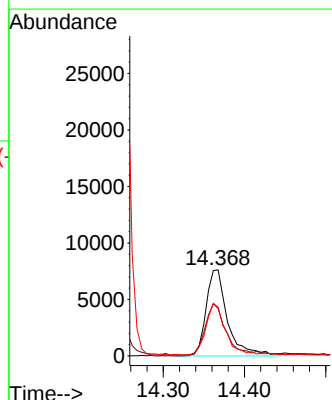
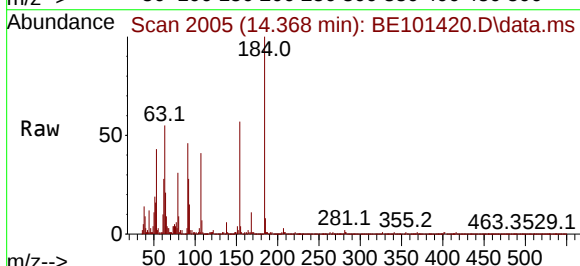
Tgt Ion:184 Resp: 13951

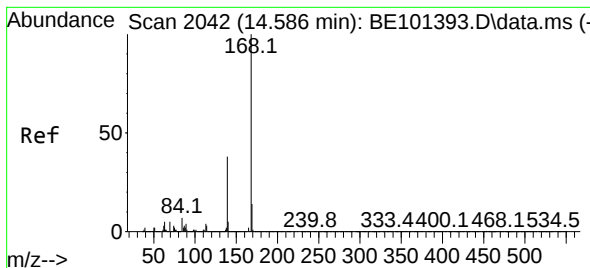
Ion Ratio Lower Upper

184 100

63 55.2 41.8 62.6

154 56.8 44.9 67.3





#55

Dibenzenofuran

Concen: 3.594 ng

RT: 14.585 min Scan# 2042

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

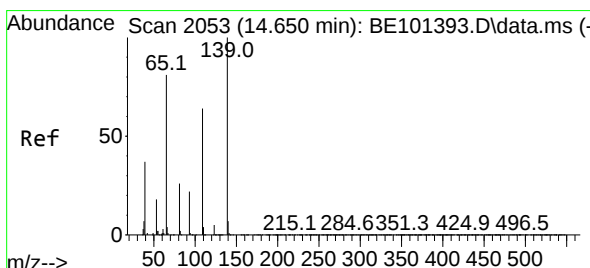
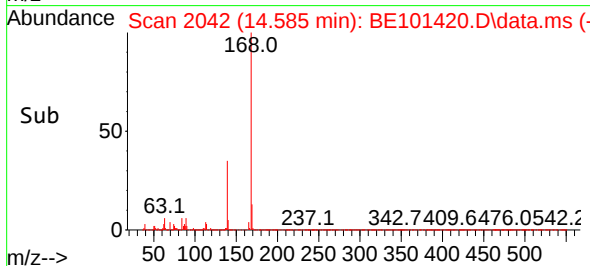
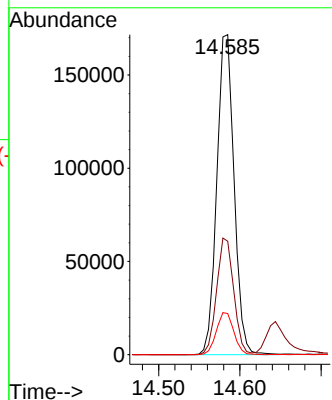
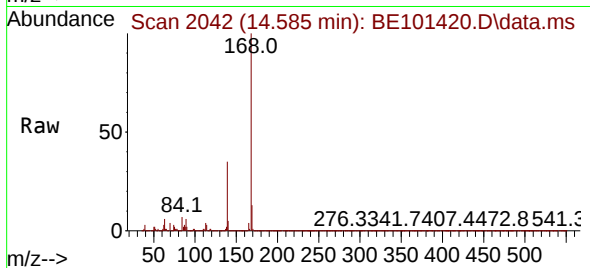
Tgt Ion:168 Resp: 253754

Ion Ratio Lower Upper

168 100

139 35.4 30.2 45.4

169 12.9 11.0 16.4



#56

4-Nitrophenol

Concen: 2.483 ng

RT: 14.644 min Scan# 2052

Delta R.T. -0.006 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

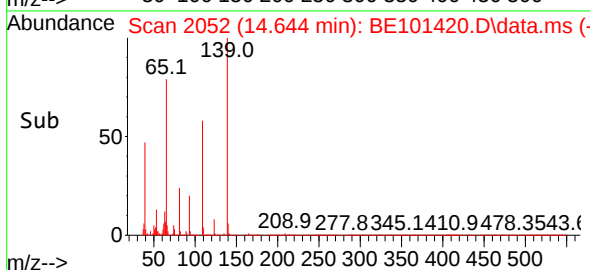
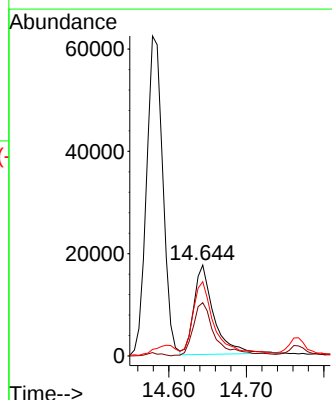
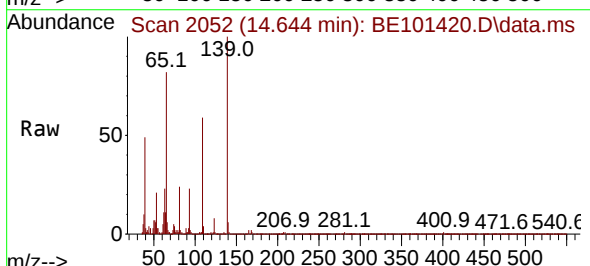
Tgt Ion:139 Resp: 31228

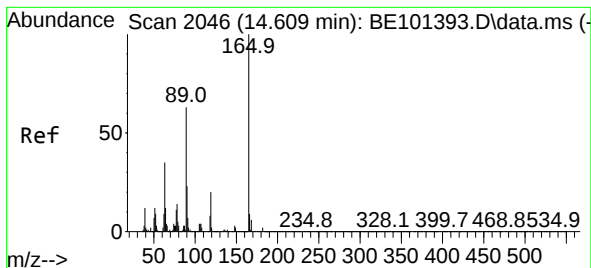
Ion Ratio Lower Upper

139 100

109 58.6 42.4 82.4

65 81.6 63.4 103.4





#57

2,4-Dinitrotoluene

Concen: 2.813 ng

RT: 14.603 min Scan# 2046

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion:165 Resp: 53479

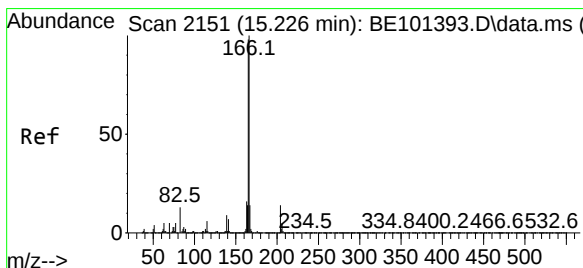
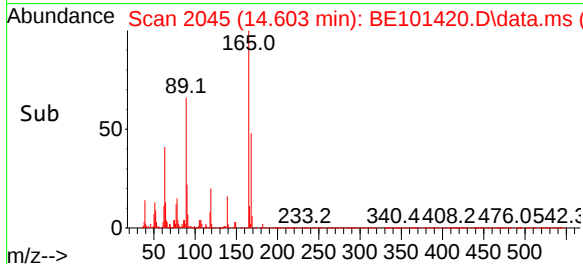
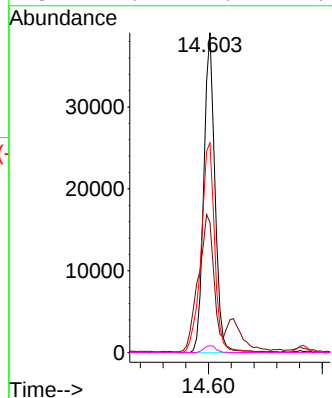
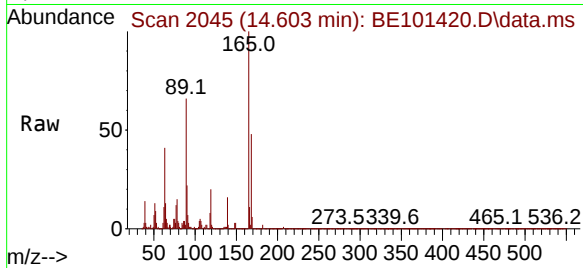
Ion Ratio Lower Upper

165 100

63 40.7 28.6 42.8

89 65.6 50.8 76.2

182 2.2 1.9 2.9



#58

Fluorene

Concen: 3.441 ng

RT: 15.219 min Scan# 2150

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

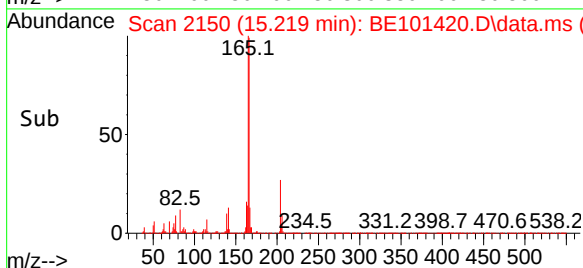
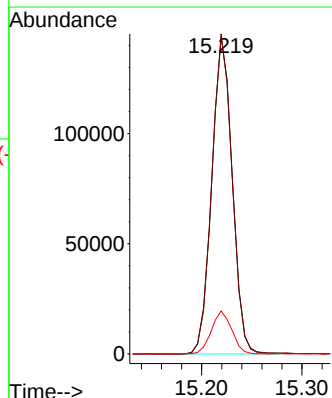
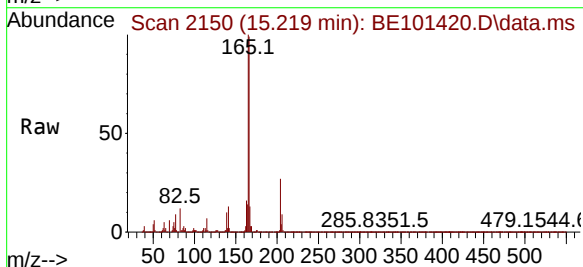
Tgt Ion:166 Resp: 203247

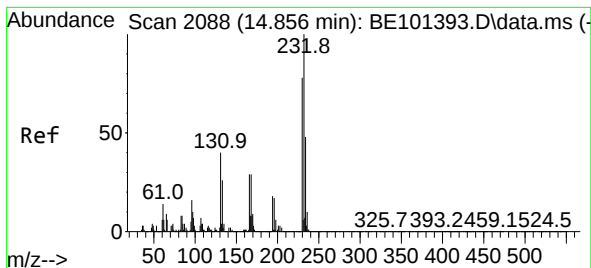
Ion Ratio Lower Upper

166 100

165 101.0 78.7 118.1

167 13.6 11.0 16.4

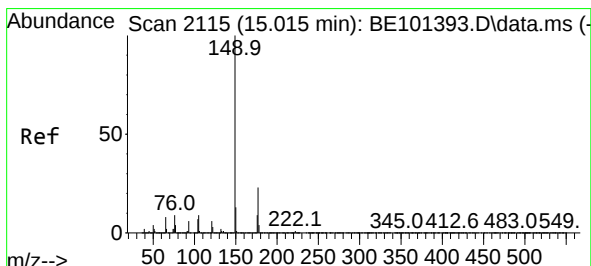
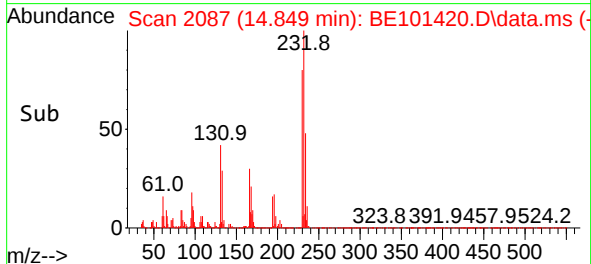
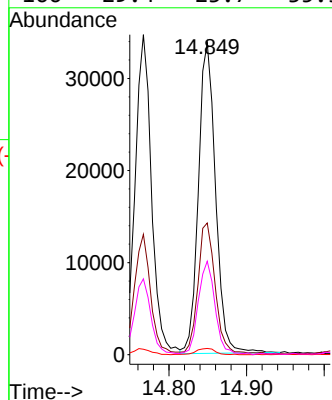
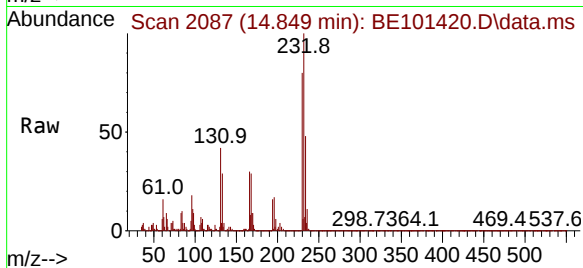




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 3.338 ng  
RT: 14.849 min Scan# 2087  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

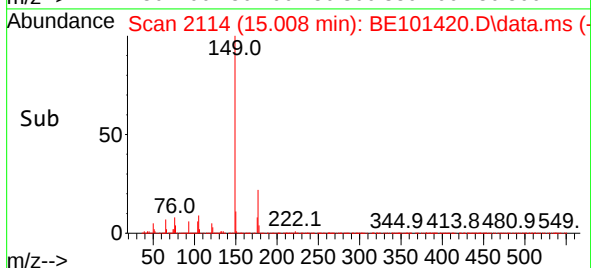
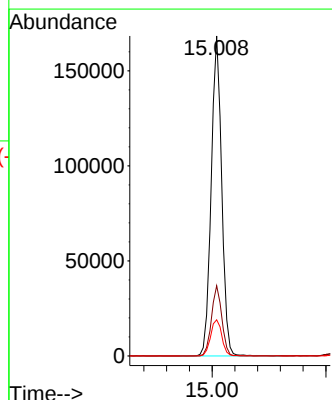
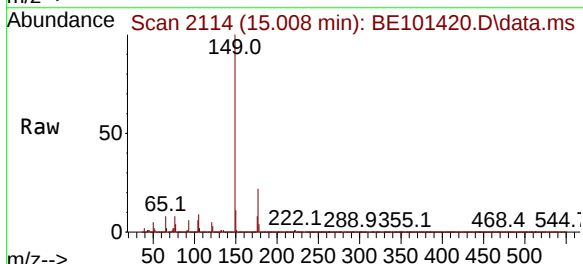
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

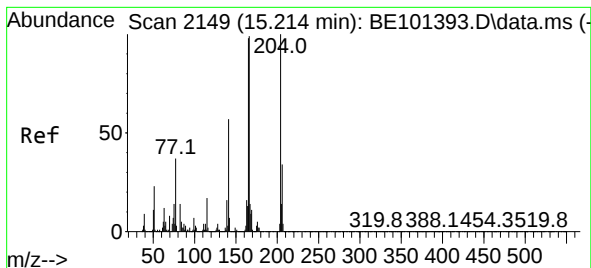
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 51792     |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 42.9  | 33.5 50.3 |
| 130         | 2.3   | 1.6 2.4   |
| 166         | 29.4  | 23.7 35.5 |



#60  
Diethylphthalate  
Concen: 3.418 ng  
RT: 15.008 min Scan# 2114  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 213866    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 21.9  | 18.0 27.0 |
| 150         | 11.3  | 10.3 15.5 |

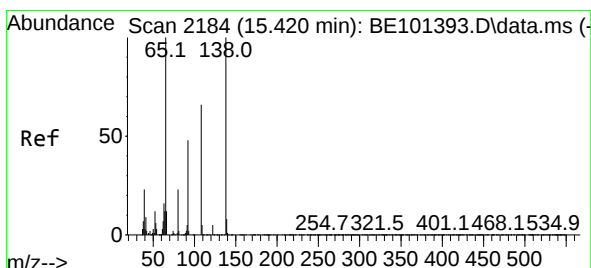
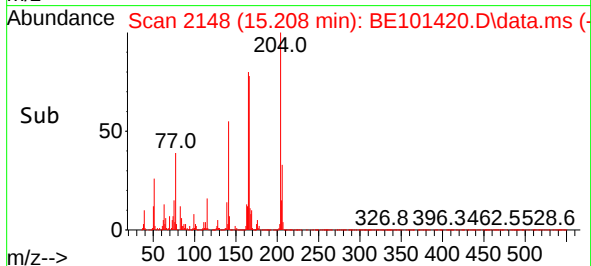
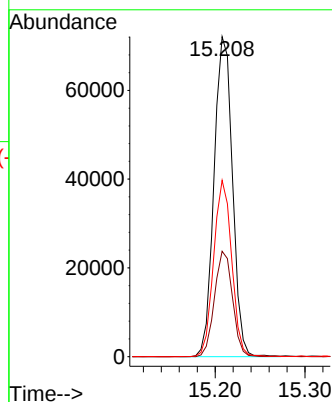
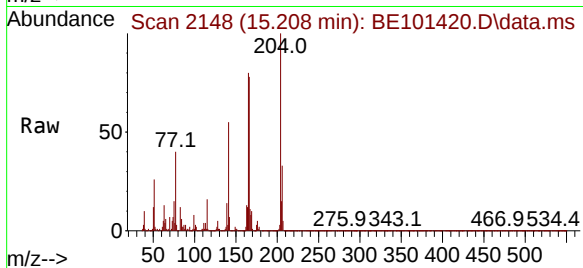




#61  
4-Chlorophenyl-phenylether  
Concen: 3.506 ng  
RT: 15.208 min Scan# 2148  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

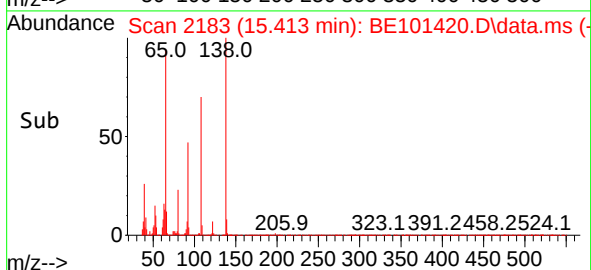
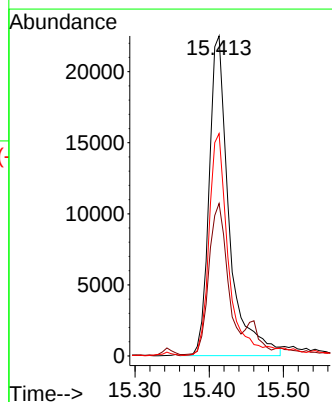
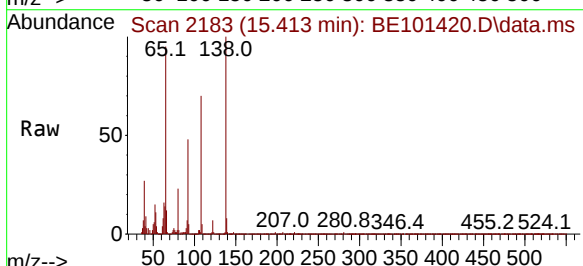
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

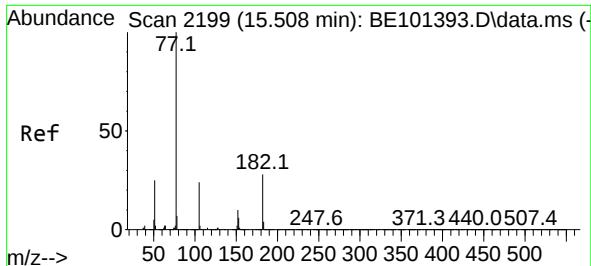
Tgt Ion:204 Resp: 102769  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.9 40.3  
141 55.1 45.9 68.9



#62  
4-Nitroaniline  
Concen: 2.757 ng  
RT: 15.413 min Scan# 2183  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:138 Resp: 42137  
Ion Ratio Lower Upper  
138 100  
92 47.6 28.7 68.7  
108 69.5 46.5 86.5

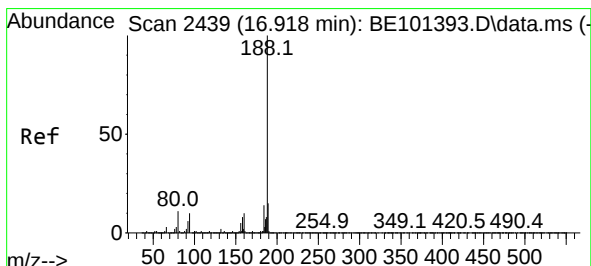
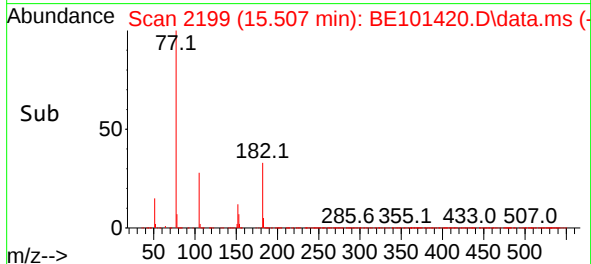
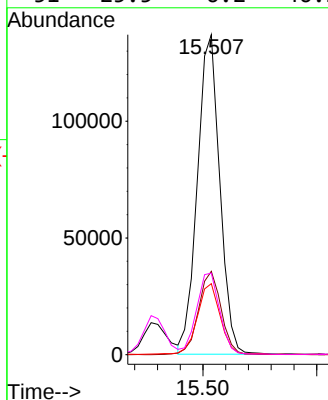
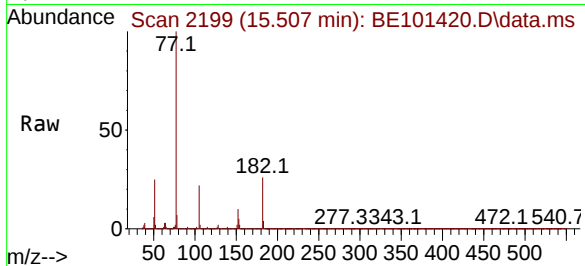




#63  
Azobenzene  
Concen: 3.479 ng  
RT: 15.507 min Scan# 2199  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

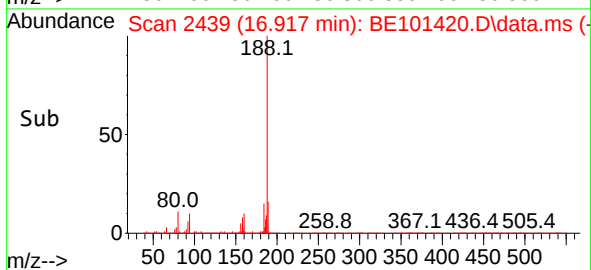
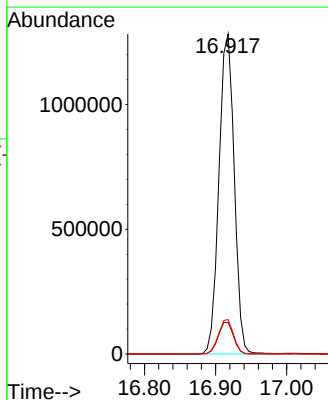
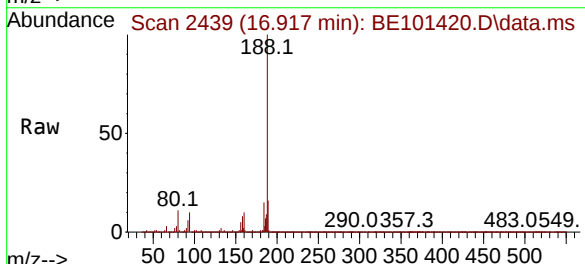
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

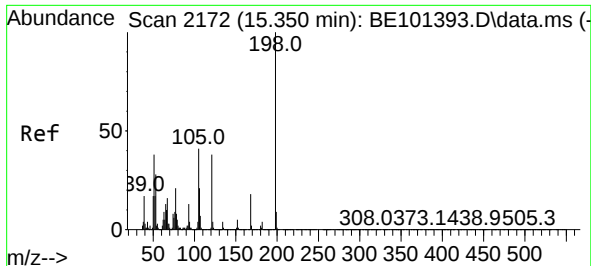
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 187114 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 26.1    | 7.6 47.6     |
| 105 22.2    | 3.2 43.2     |
| 51 25.5     | 6.2 46.2     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.917 min Scan# 2439  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

|             |               |       |  |
|-------------|---------------|-------|--|
| Tgt Ion:188 | Resp: 1907256 |       |  |
| Ion Ratio   | Lower         | Upper |  |
| 188 100     |               |       |  |
| 94 9.9      | 7.8           | 11.8  |  |
| 80 10.8     | 8.6           | 12.8  |  |

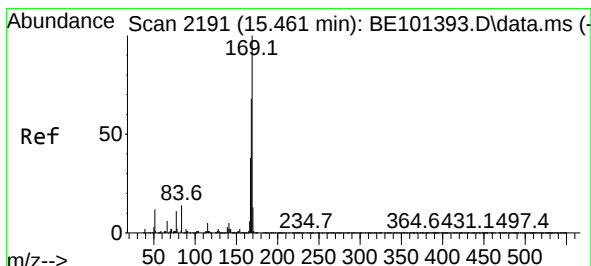
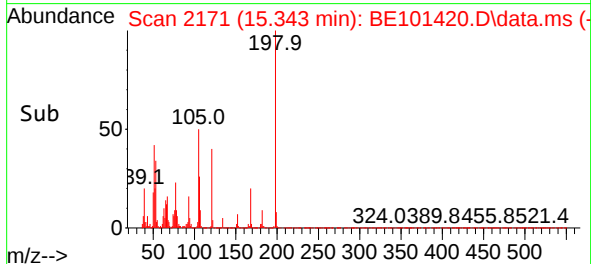
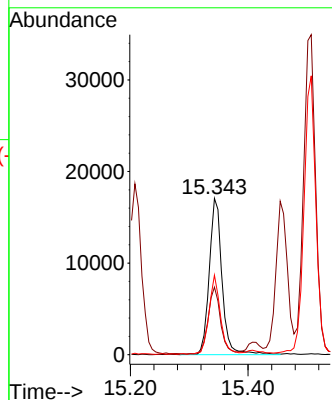
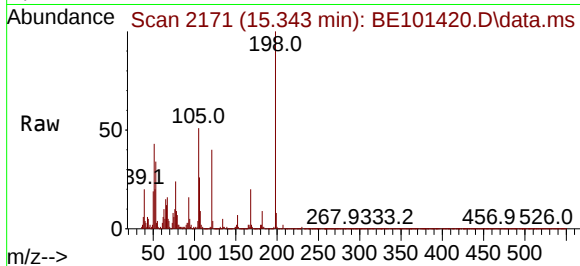




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.298 ng  
RT: 15.343 min Scan# 2171  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

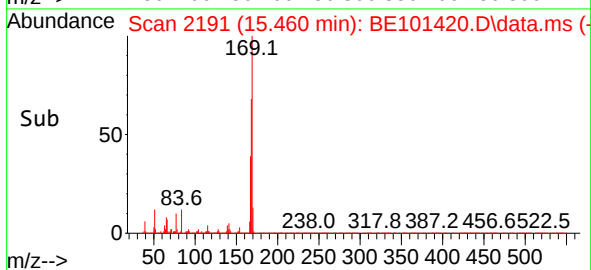
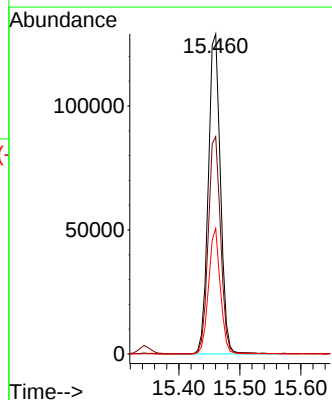
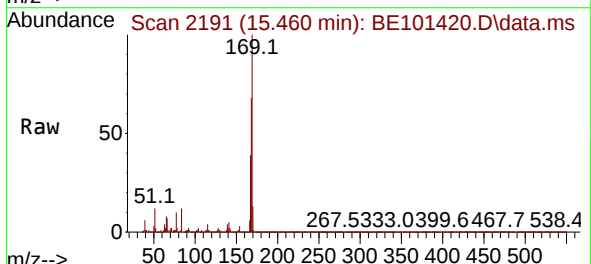
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

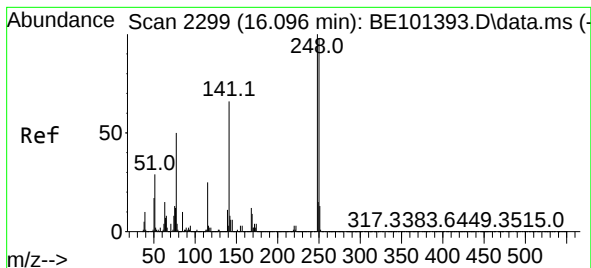
Tgt Ion:198 Resp: 25758  
Ion Ratio Lower Upper  
198 100  
51 43.2 18.2 58.2  
105 50.9 21.5 61.5



#66  
n-Nitrosodiphenylamine  
Concen: 3.545 ng  
RT: 15.460 min Scan# 2191  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:169 Resp: 179303  
Ion Ratio Lower Upper  
169 100  
168 67.9 54.5 81.7  
167 39.3 30.4 45.6

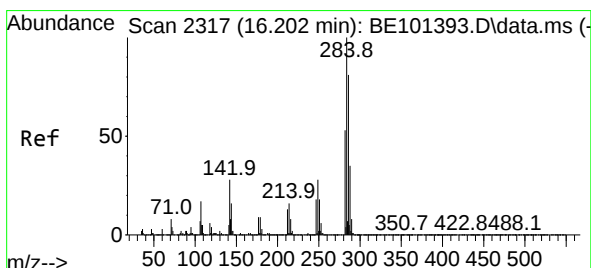
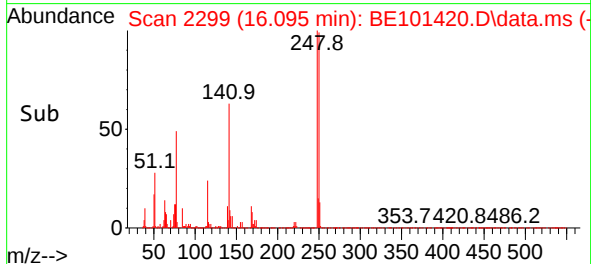
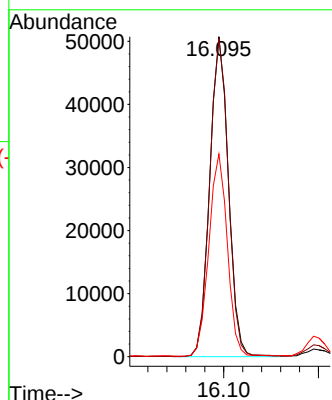
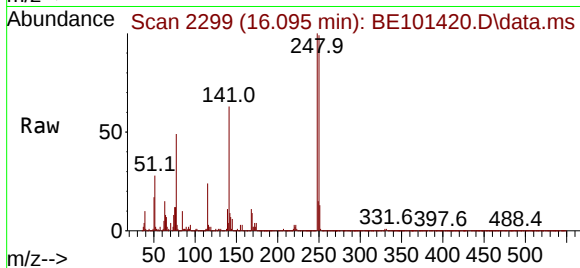




#67  
4-Bromophenyl-phenylether  
Concen: 3.452 ng  
RT: 16.095 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

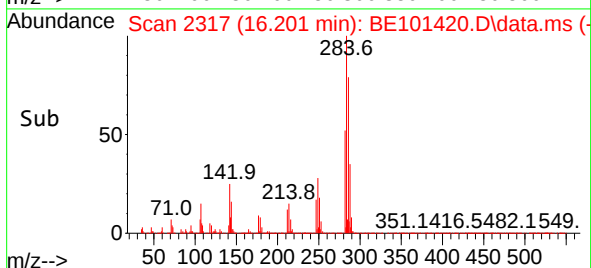
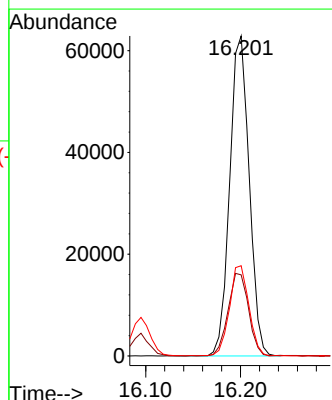
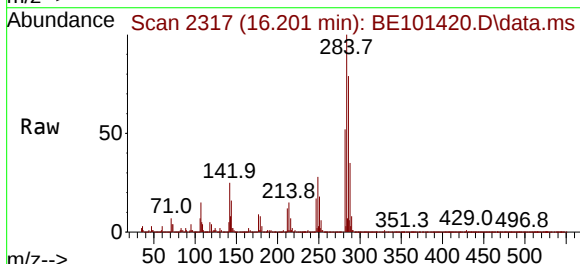
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

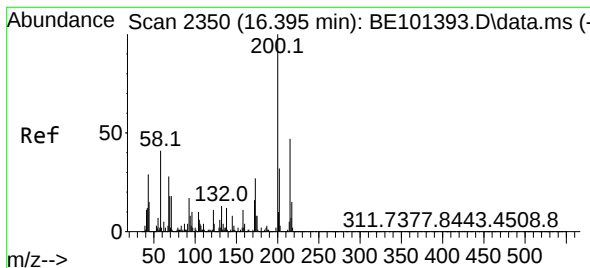
Tgt Ion:248 Resp: 69262  
Ion Ratio Lower Upper  
248 100  
250 99.5 78.2 117.2  
141 63.3 53.0 79.4



#68  
Hexachlorobenzene  
Concen: 3.408 ng  
RT: 16.201 min Scan# 2317  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:284 Resp: 89632  
Ion Ratio Lower Upper  
284 100  
142 25.4 22.2 33.2  
249 31.0 22.8 34.2





#69

Atrazine

Concen: 4.180 ng

RT: 16.389 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

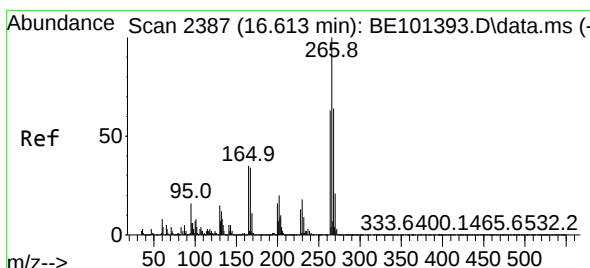
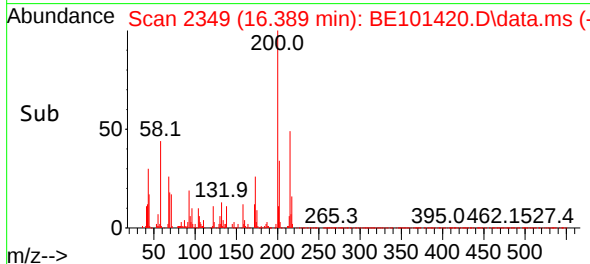
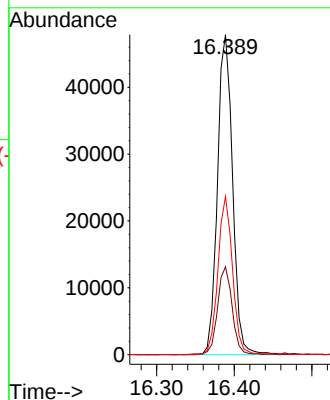
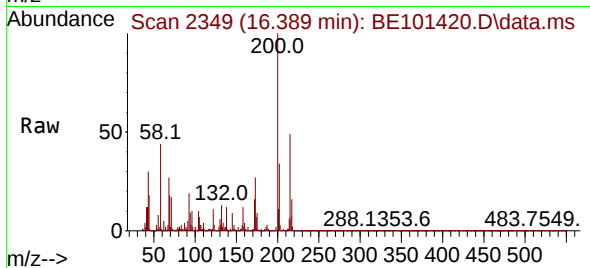
Tgt Ion:200 Resp: 64813

Ion Ratio Lower Upper

200 100

173 27.4 7.0 47.0

215 49.5 27.3 67.3



#70

Pentachlorophenol

Concen: 2.666 ng

RT: 16.606 min Scan# 2386

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

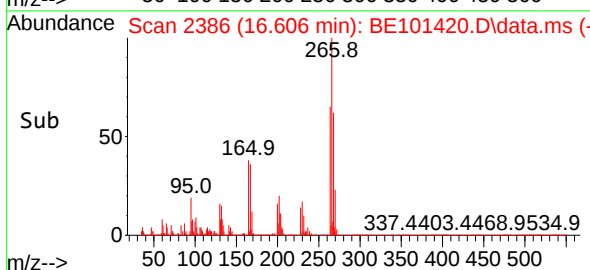
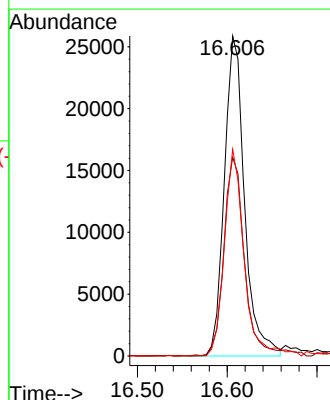
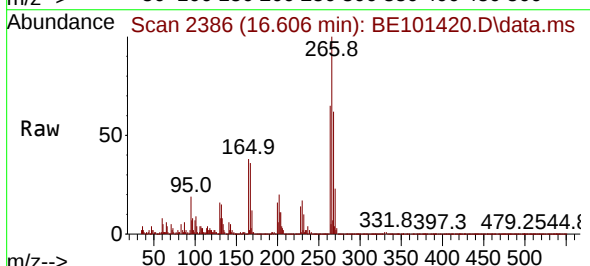
Tgt Ion:266 Resp: 40354

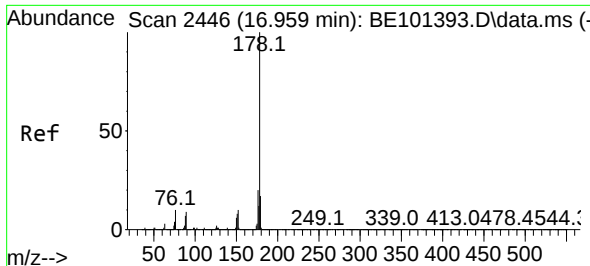
Ion Ratio Lower Upper

266 100

268 62.1 51.5 77.3

264 64.6 50.7 76.1

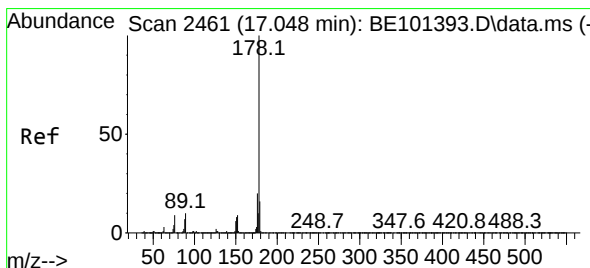
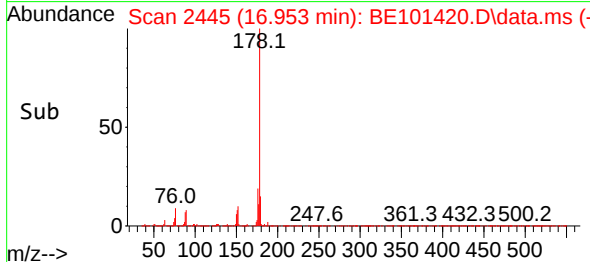
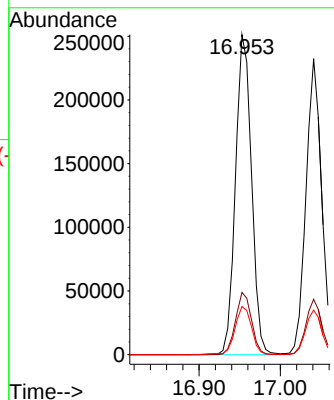
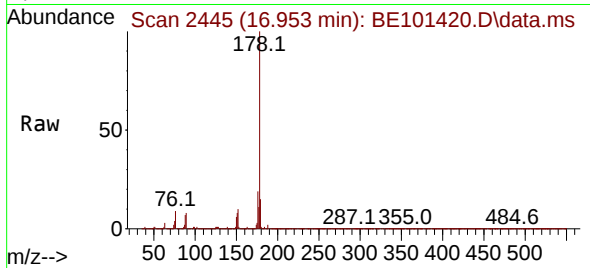




#71  
Phenanthrene  
Concen: 3.758 ng  
RT: 16.953 min Scan# 2446  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

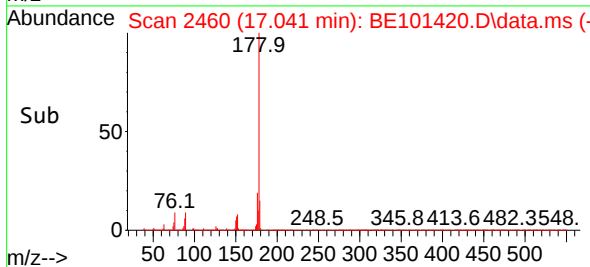
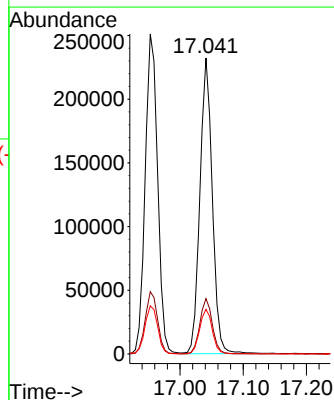
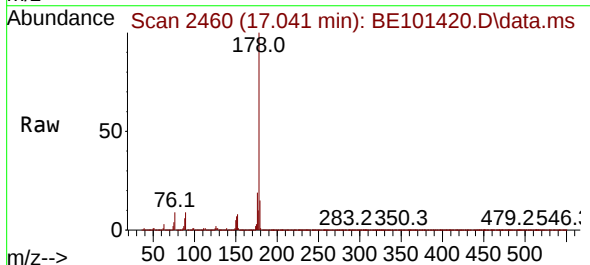
Instrument : BNA\_E  
ClientSampleId : MDL-WATER-03-QT4-2024

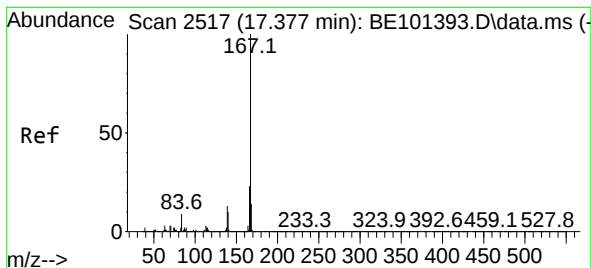
Tgt Ion:178 Resp: 343126  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.4 24.6  
179 15.1 13.2 19.8



#72  
Anthracene  
Concen: 3.539 ng  
RT: 17.041 min Scan# 2460  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:178 Resp: 315594  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.9 23.9  
179 15.1 13.1 19.7





#73

Carbazole

Concen: 3.522 ng

RT: 17.370 min Scan# 2517

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

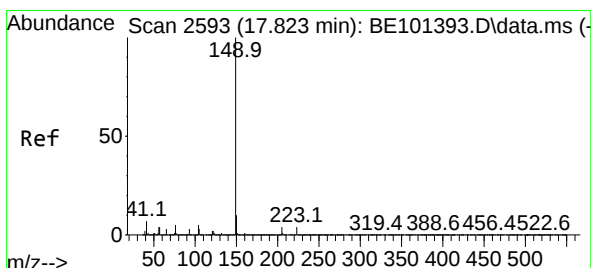
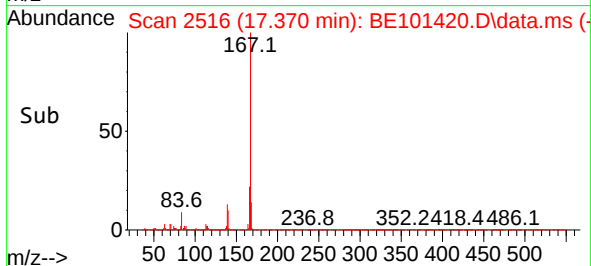
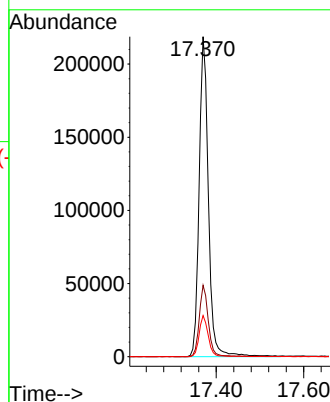
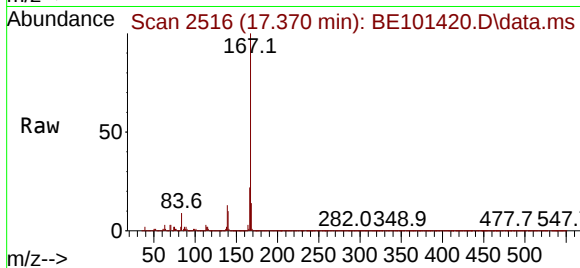
Tgt Ion:167 Resp: 321366

Ion Ratio Lower Upper

167 100

166 22.3 18.3 27.5

139 12.9 10.8 16.2



#74

Di-n-butylphthalate

Concen: 3.799 ng

RT: 17.822 min Scan# 2593

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

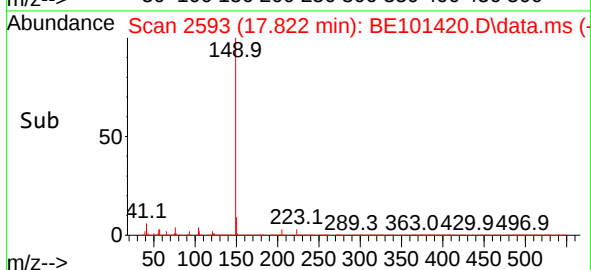
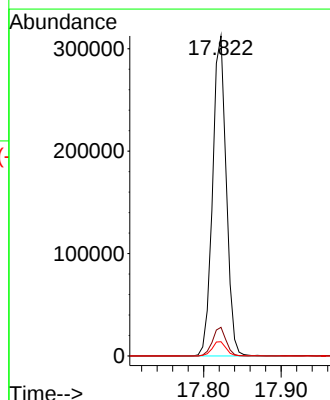
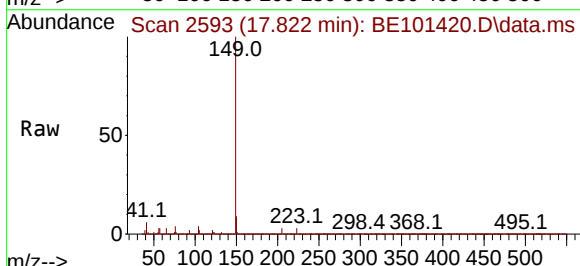
Tgt Ion:149 Resp: 381584

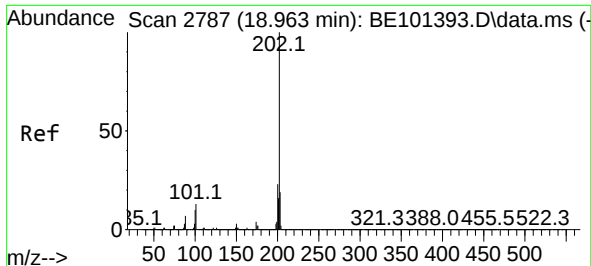
Ion Ratio Lower Upper

149 100

150 9.0 8.2 12.4

104 4.4 3.9 5.9

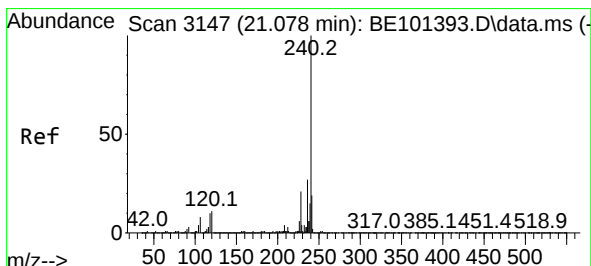
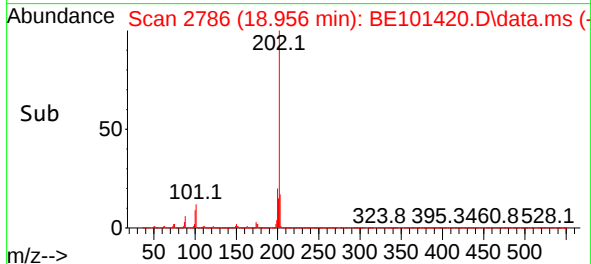
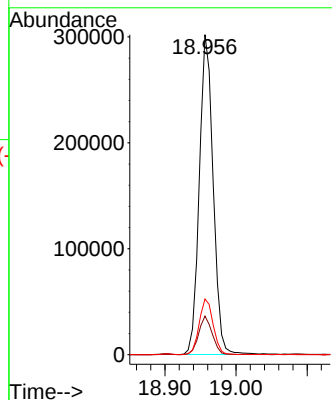
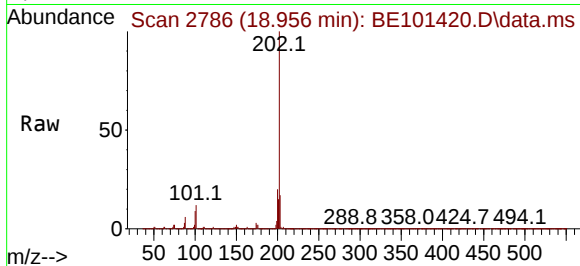




#75  
Fluoranthene  
Concen: 3.699 ng  
RT: 18.956 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

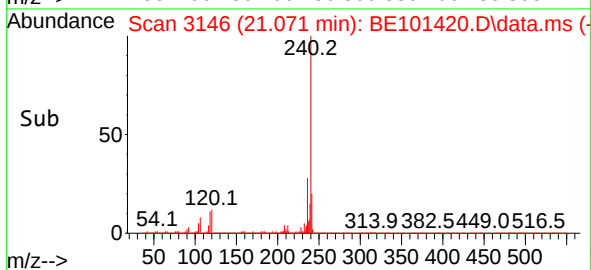
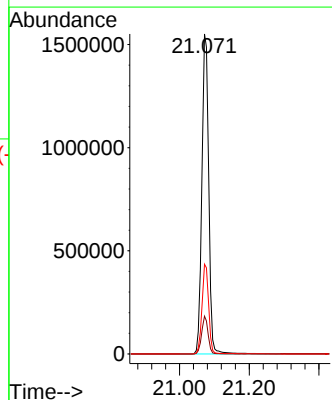
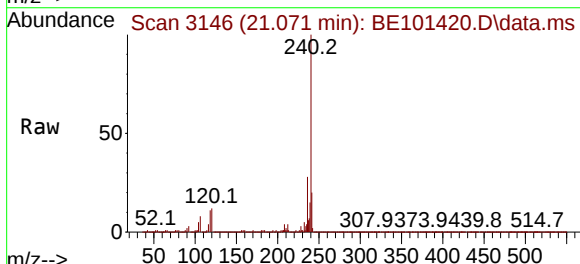
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

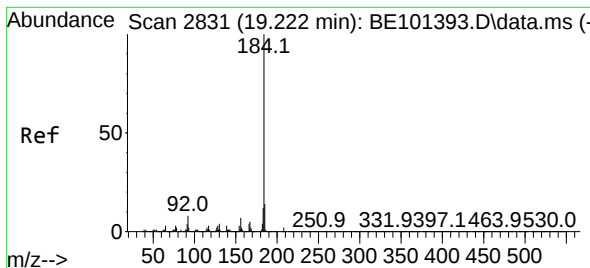
Tgt Ion:202 Resp: 410208  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 33.3  
203 17.4 0.0 39.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.071 min Scan# 3146  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:240 Resp: 2123448  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.0 13.4  
236 28.0 21.4 32.0





#77

Benzidine

Concen: 3.213 ng

RT: 19.215 min Scan# 2830

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

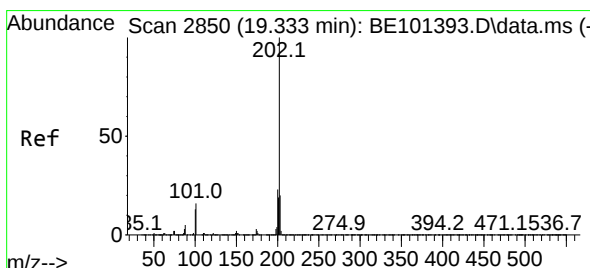
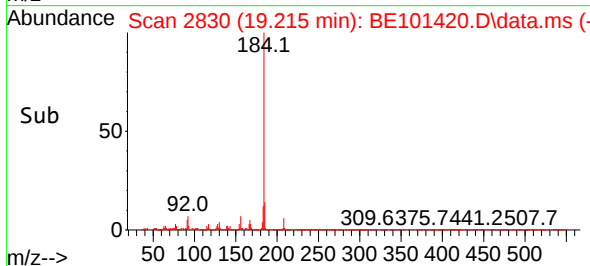
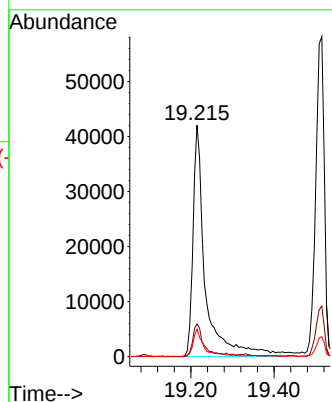
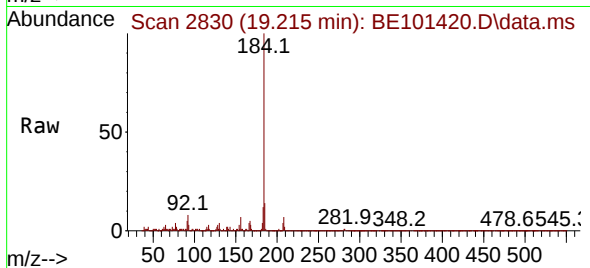
Tgt Ion:184 Resp: 86581

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 11.9 9.3 13.9



#78

Pyrene

Concen: 3.765 ng

RT: 19.326 min Scan# 2849

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

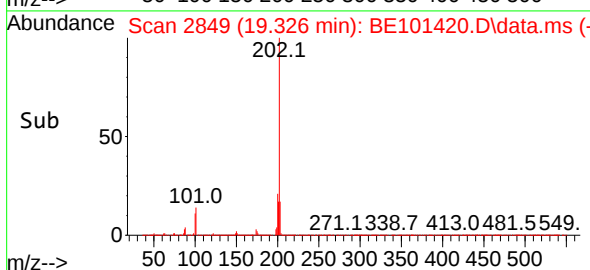
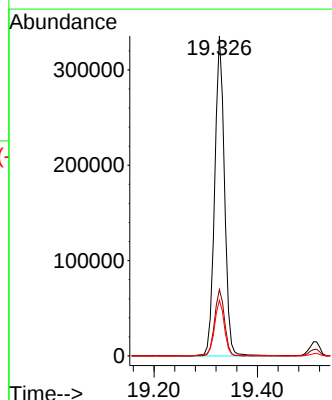
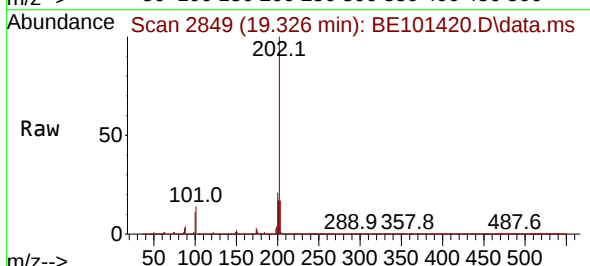
Tgt Ion:202 Resp: 439609

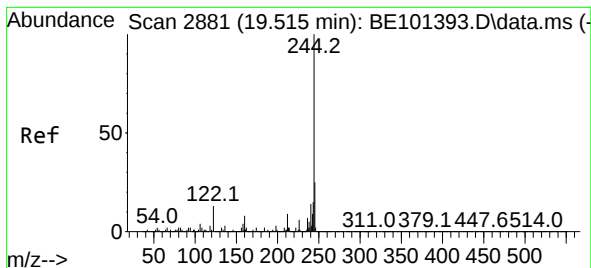
Ion Ratio Lower Upper

202 100

200 20.7 18.6 28.0

203 17.4 15.6 23.4





#79

Terphenyl-d14

Concen: 54.123 ng

RT: 19.514 min Scan# 21

Delta R.T. -0.001 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

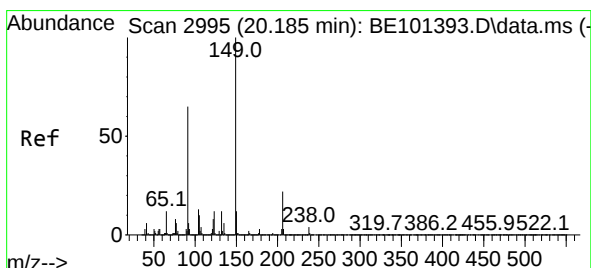
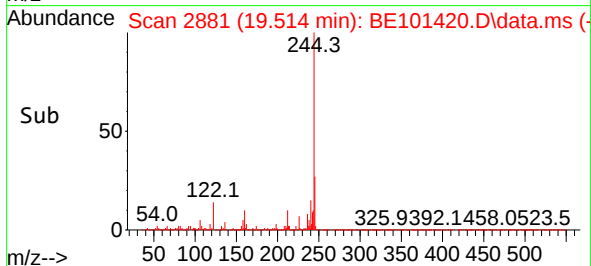
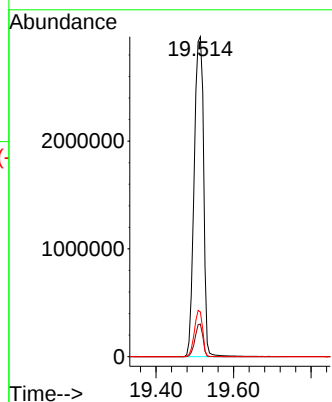
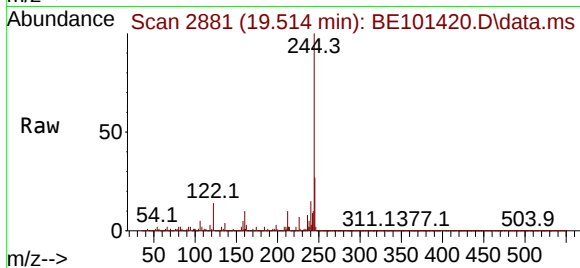
Tgt Ion:244 Resp: 4993505

Ion Ratio Lower Upper

244 100

212 10.2 7.2 10.8

122 14.0 10.4 15.6



#80

Butylbenzylphthalate

Concen: 3.581 ng

RT: 20.178 min Scan# 2994

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

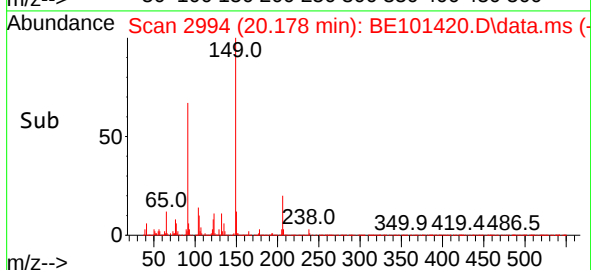
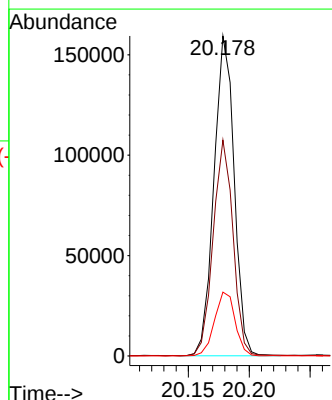
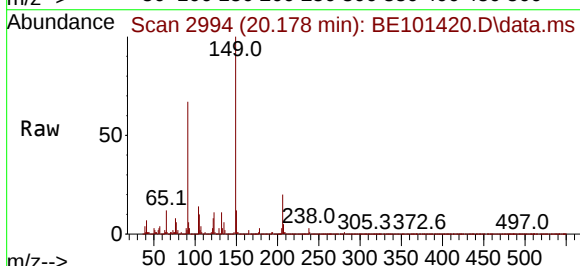
Tgt Ion:149 Resp: 183344

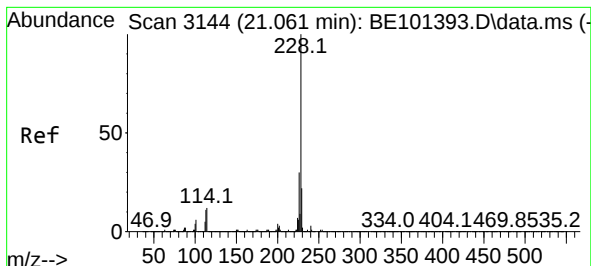
Ion Ratio Lower Upper

149 100

91 67.5 51.8 77.8

206 19.9 17.4 26.2





#81

Benzo(a)anthracene

Concen: 3.956 ng

RT: 21.054 min Scan# 31

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

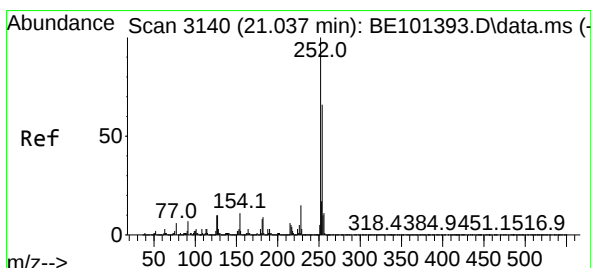
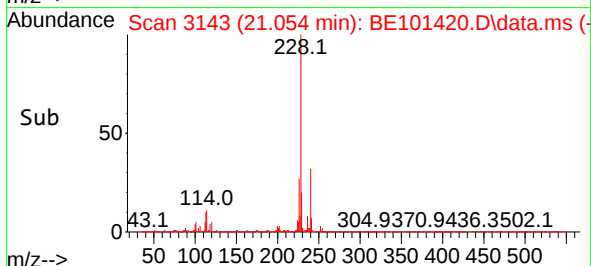
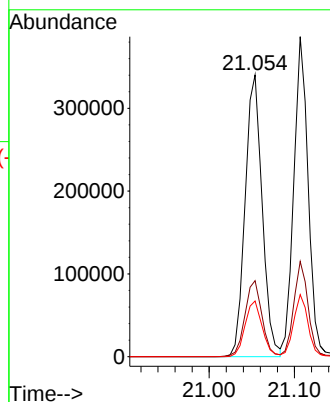
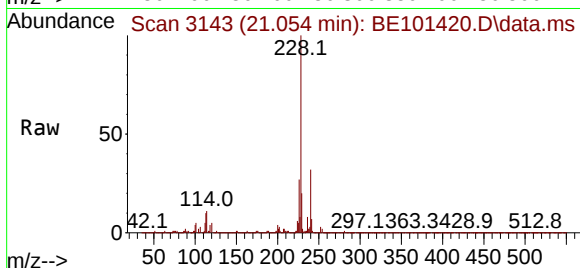
Tgt Ion:228 Resp: 472107

Ion Ratio Lower Upper

228 100

226 27.0 24.1 36.1

229 19.8 17.3 25.9



#82

3,3'-Dichlorobenzidine

Concen: 3.408 ng

RT: 21.030 min Scan# 3139

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

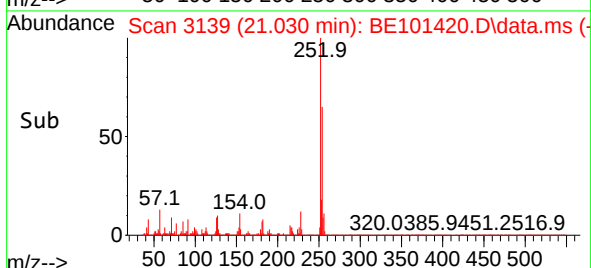
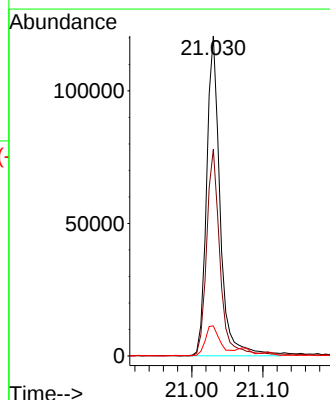
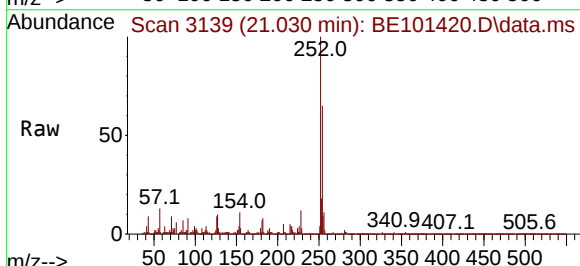
Tgt Ion:252 Resp: 159340

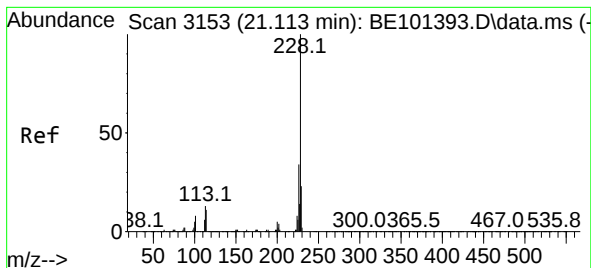
Ion Ratio Lower Upper

252 100

254 64.6 52.6 78.8

126 9.4 7.7 11.5





#83

Chrysene

Concen: 3.974 ng

RT: 21.107 min Scan# 3152

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

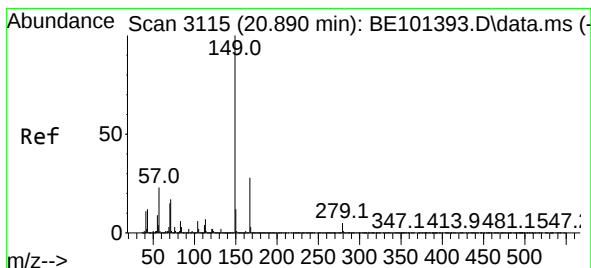
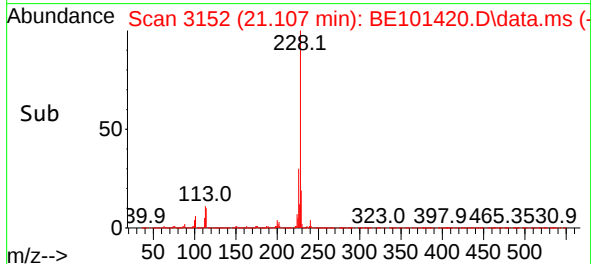
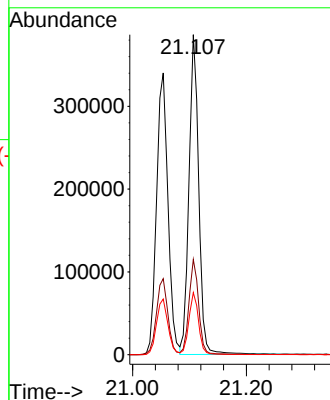
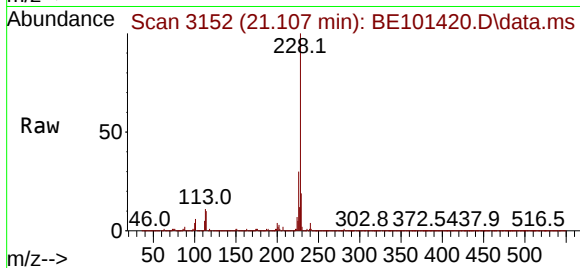
Tgt Ion:228 Resp: 458603

Ion Ratio Lower Upper

228 100

226 29.8 27.2 40.8

229 19.4 18.0 27.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.680 ng

RT: 20.883 min Scan# 3114

Delta R.T. -0.007 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

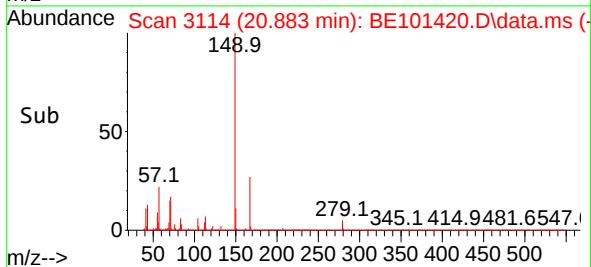
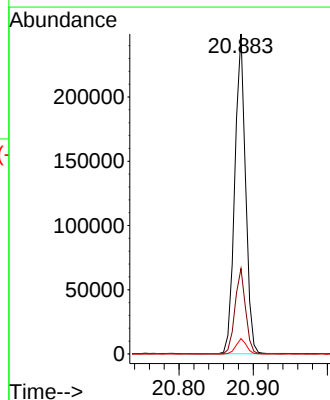
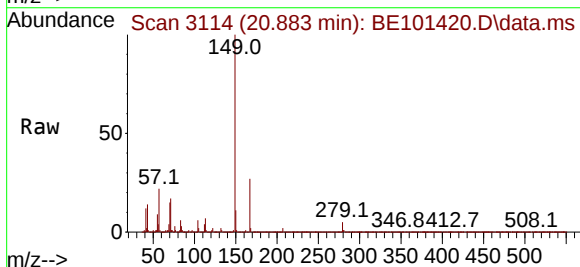
Tgt Ion:149 Resp: 250237

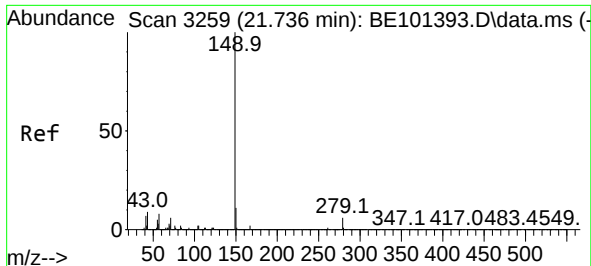
Ion Ratio Lower Upper

149 100

167 26.7 22.7 34.1

279 4.8 4.3 6.5

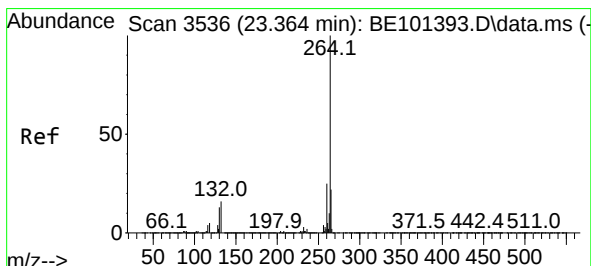
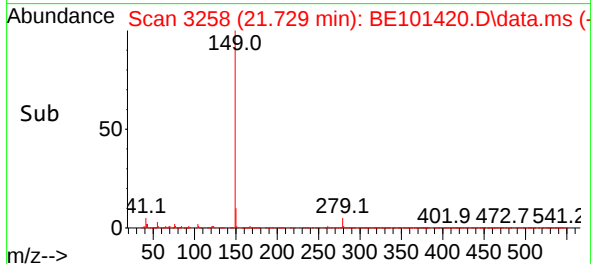
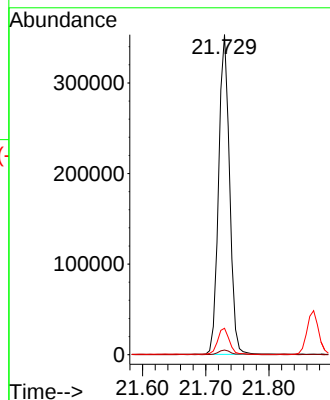
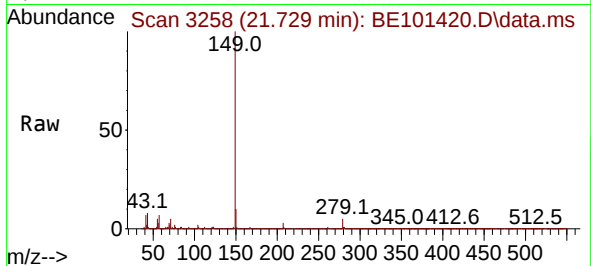




#85  
Di-n-octyl phthalate  
Concen: 3.807 ng  
RT: 21.729 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

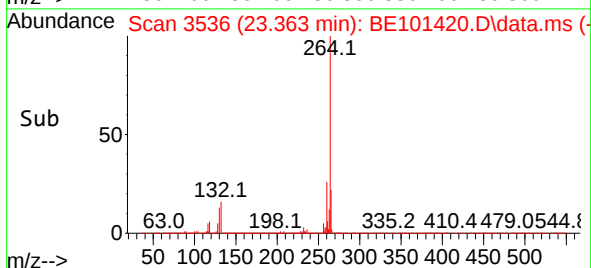
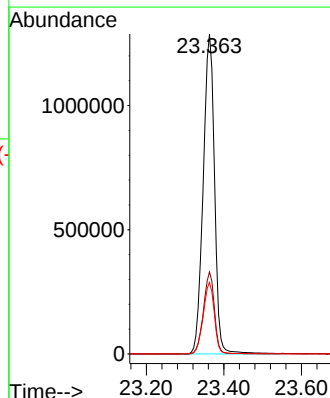
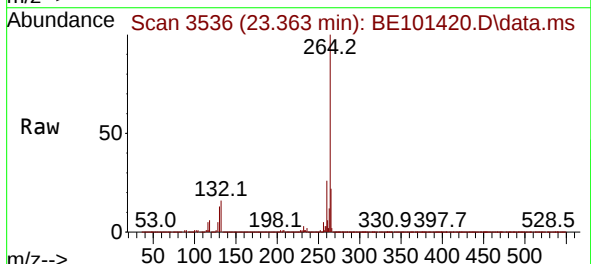
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

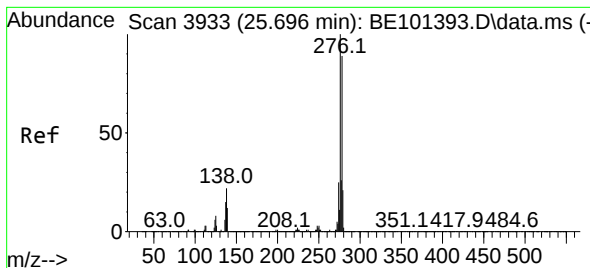
Tgt Ion:149 Resp: 424940  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.4 2.0  
43 8.6 7.0 10.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.363 min Scan# 3536  
Delta R.T. -0.001 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:264 Resp: 2619541  
Ion Ratio Lower Upper  
264 100  
260 25.7 19.8 29.8  
265 22.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.649 ng

RT: 25.660 min Scan# 3933

Delta R.T. -0.036 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

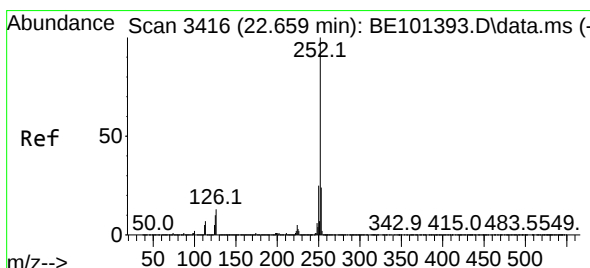
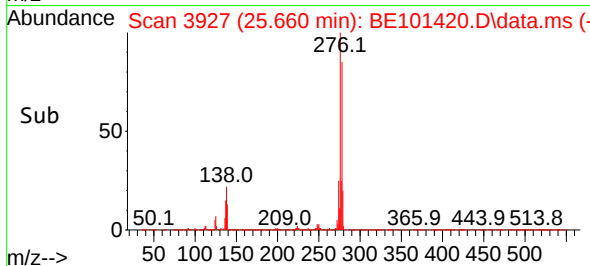
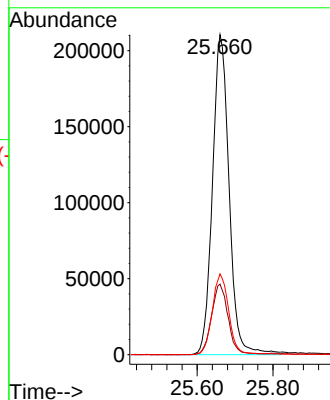
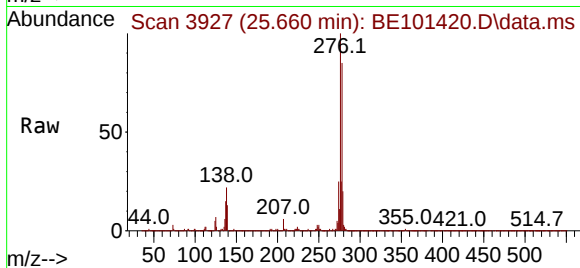
Tgt Ion:276 Resp: 639636

Ion Ratio Lower Upper

276 100

138 22.0 17.8 26.8

277 25.3 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 3.728 ng

RT: 22.646 min Scan# 3414

Delta R.T. -0.013 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

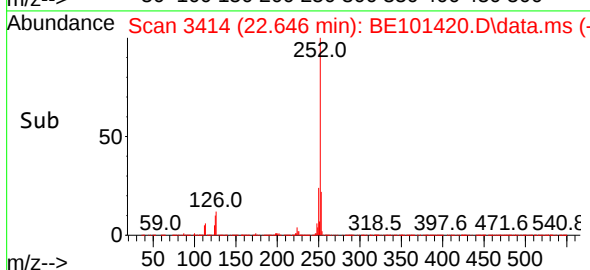
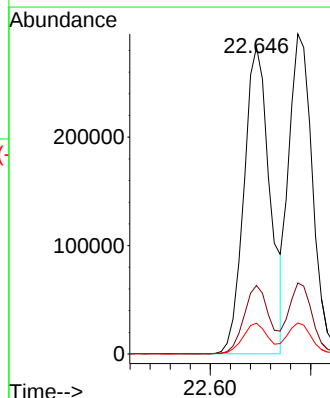
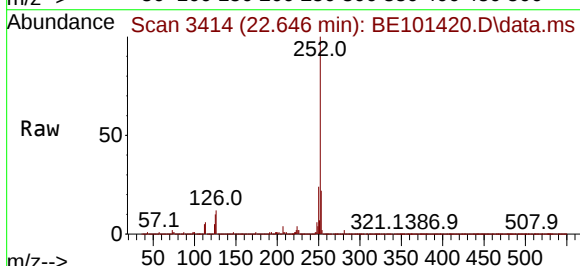
Tgt Ion:252 Resp: 508859

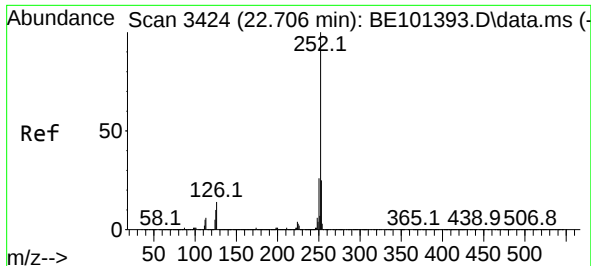
Ion Ratio Lower Upper

252 100

253 22.3 19.0 28.6

125 10.0 8.2 12.2

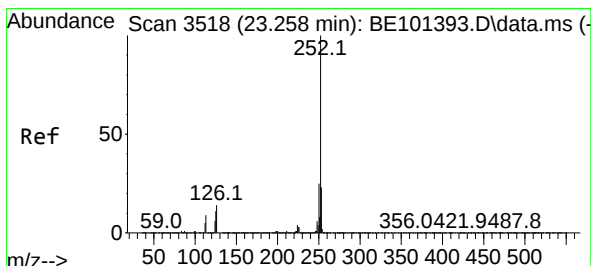
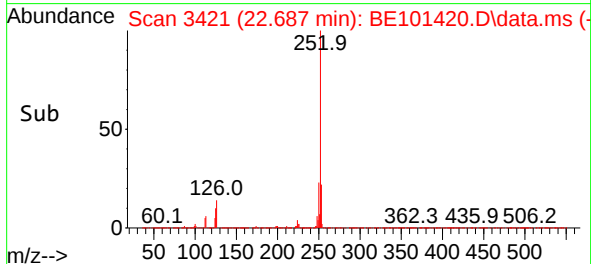
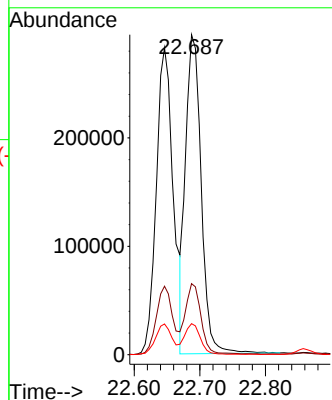
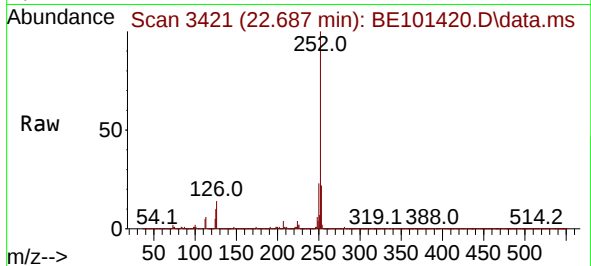




#89  
Benzo(k)fluoranthene  
Concen: 3.806 ng  
RT: 22.687 min Scan# 34  
Delta R.T. -0.019 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

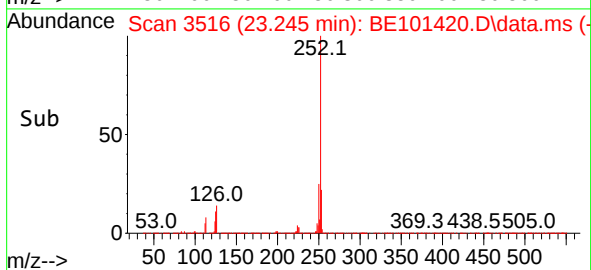
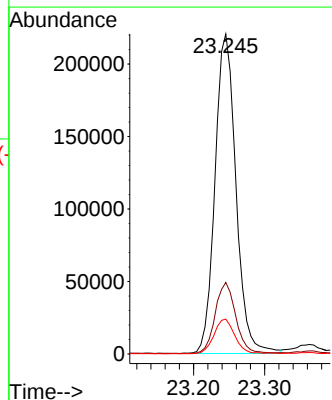
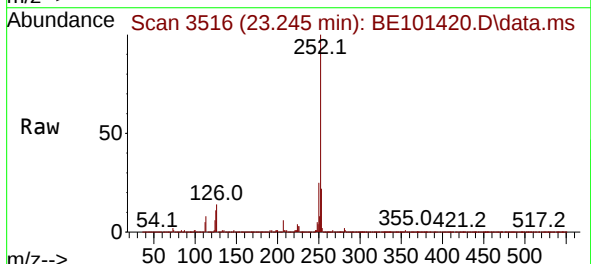
Instrument :  
BNA\_E  
ClientSampleId :  
MDL-WATER-03-QT4-2024

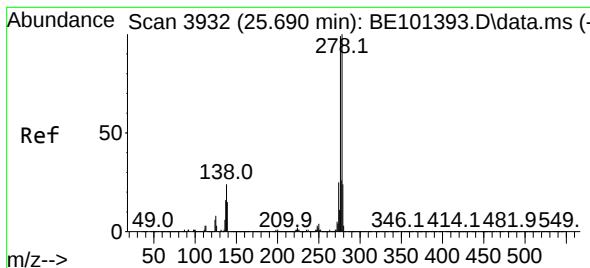
Tgt Ion:252 Resp: 485473  
Ion Ratio Lower Upper  
252 100  
253 22.2 19.4 29.2  
125 9.7 8.2 12.2



#90  
Benzo(a)pyrene  
Concen: 3.774 ng  
RT: 23.245 min Scan# 3516  
Delta R.T. -0.013 min  
Lab File: BE101420.D  
Acq: 30 Oct 2024 12:23

Tgt Ion:252 Resp: 450543  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.4 27.6  
125 10.9 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.624 ng

RT: 25.660 min Scan# 3932

Delta R.T. -0.030 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Instrument :

BNA\_E

ClientSampleId :

MDL-WATER-03-QT4-2024

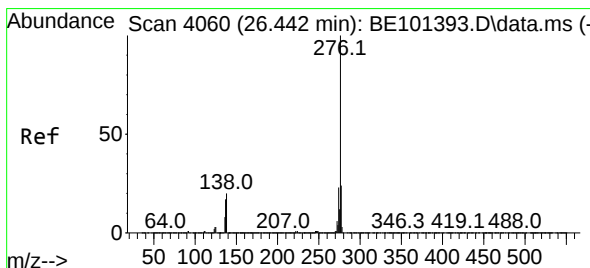
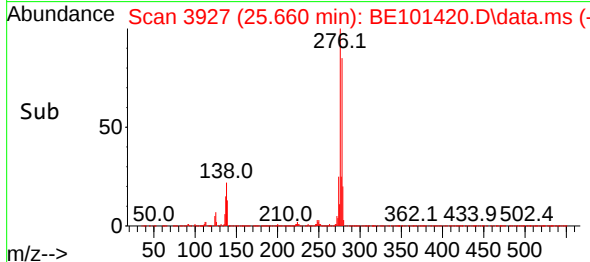
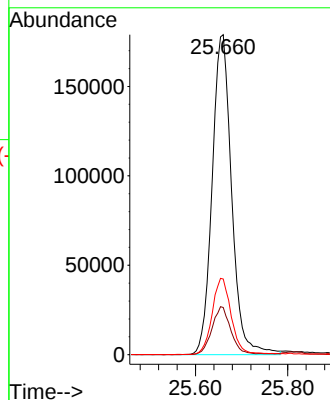
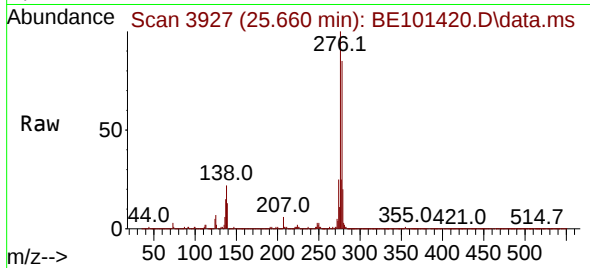
Tgt Ion:278 Resp: 524978

Ion Ratio Lower Upper

278 100

139 14.8 11.9 17.9

279 23.7 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.311 ng

RT: 26.406 min Scan# 4054

Delta R.T. -0.036 min

Lab File: BE101420.D

Acq: 30 Oct 2024 12:23

Tgt Ion:276 Resp: 494206

Ion Ratio Lower Upper

276 100

277 23.0 19.4 29.2

138 20.1 15.8 23.6

