

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020223\  
 Data File : BG056512.D  
 Acq On : 2 Feb 2023 13:19  
 Operator : CG/JU  
 Sample : N4955-09  
 Misc : MDL-MDL-WATER 4PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-03-QT4-2022

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023  
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 05:21:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 01:15:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.276  | 152  | 28143    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.108 | 136  | 104278   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.898 | 164  | 86180    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.630 | 188  | 226771   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.919 | 240  | 223079   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.338 | 264  | 241260   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.791  | 112  | 193570   | 126.528 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.418  | 99   | 275341   | 121.469 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.451  | 82   | 181369   | 98.765  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.378 | 330  | 150110   | 131.019 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.517 | 172  | 627267   | 100.912 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.209 | 244  | 1203566  | 94.760  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.599  | 88   | 3348     | 5.256   | ng    | # 92     |
| 3) Pyridine                   | 4.028  | 79   | 7387     | 3.890   | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.928  | 42   | 1671     | 4.138   | ng    | # 75     |
| 6) Aniline                    | 7.589  | 93   | 13146    | 4.430   | ng    | 97       |
| 8) 2-Chlorophenol             | 7.835  | 128  | 7386     | 4.395   | ng    | 98       |
| 9) Benzaldehyde               | 7.401  | 77   | 6917     | 4.892   | ng    | # 84     |
| 10) Phenol                    | 7.448  | 94   | 9622     | 4.176   | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.677  | 93   | 7403     | 4.675   | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 8.164  | 146  | 9180     | 4.744   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.311  | 146  | 9331m    | 4.762   | ng    |          |
| 14) 1,2-Dichlorobenzene       | 8.634  | 146  | 9062     | 4.766   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.517  | 79   | 6134     | 3.944   | ng    | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.811  | 45   | 1549     | 4.617   | ng    | 77       |
| 17) 2-Methylphenol            | 8.711  | 107  | 6946     | 3.963   | ng    | 92       |
| 18) Hexachloroethane          | 9.369  | 117  | 2868     | 4.839   | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 9.075  | 70   | 5843     | 4.473   | ng    | # 92     |
| 20) 3+4-Methylphenols         | 9.046  | 107  | 9231     | 3.758   | ng    | 93       |
| 22) Acetophenone              | 9.104  | 105  | 14188    | 5.121   | ng    | # 96     |
| 24) Nitrobenzene              | 9.492  | 77   | 9171     | 5.178   | ng    | # 85     |
| 25) Isophorone                | 10.009 | 82   | 18087    | 4.774   | ng    | 96       |
| 26) 2-Nitrophenol             | 10.215 | 139  | 5262     | 4.896   | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 10.256 | 122  | 7899     | 4.392   | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.491 | 93   | 10546    | 5.039   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.761 | 162  | 8703     | 4.299   | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.967 | 180  | 11438    | 5.084   | ng    | 93       |
| 31) Naphthalene               | 11.155 | 128  | 27496    | 4.996   | ng    | 97       |
| 33) 4-Chloroaniline           | 11.267 | 127  | 11314    | 4.404   | ng    | # 94     |
| 34) Hexachlorobutadiene       | 11.437 | 225  | 8182     | 5.181   | ng    | 96       |
| 35) Caprolactam               | 12.007 | 113  | 3031     | 4.439   | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.365 | 107  | 8552     | 4.374   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.741 | 142  | 22448    | 4.947   | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.959 | 142  | 19409    | 4.580   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.106 | 216  | 15720    | 4.993   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.076 | 237  | 3172     | 8.121   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.341 | 196  | 8830     | 4.352   | ng    | 95       |
| 44) 2,4,5-Trichlorophenol     | 13.423 | 196  | 9620     | 4.050   | ng    | 85       |

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 Sample : N4955-09  
 Misc : MDL-MDL-WATER 4PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 MDL-WATER-03-QT4-2022

Quant Time: Feb 03 05:21:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 01:15:52 2023  
 Response via : Initial Calibration

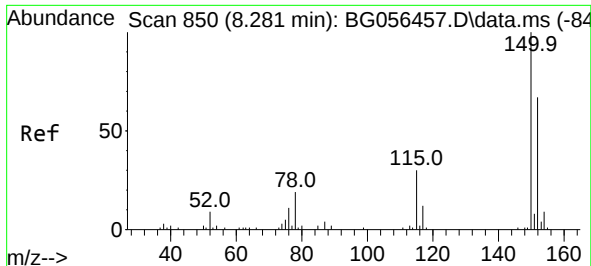
### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
 Supervised By :Jagrut Upadhyay 02/03/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 13.728 | 154  | 30908    | 4.945 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.781 | 162  | 24045    | 4.921 | ng    | 92       |
| 48) 2-Nitroaniline            | 13.975 | 65   | 4177     | 4.136 | ng    | 89       |
| 49) Acenaphthylene            | 14.621 | 152  | 37394    | 4.704 | ng    | 96       |
| 50) Dimethylphthalate         | 14.328 | 163  | 33905    | 4.863 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.457 | 165  | 6784     | 4.462 | ng    | 92       |
| 52) Acenaphthene              | 14.956 | 154  | 21865    | 4.638 | ng    | 93       |
| 53) 3-Nitroaniline            | 14.798 | 138  | 6360     | 4.315 | ng    | 96       |
| 55) Dibenzofuran              | 15.285 | 168  | 41791    | 4.943 | ng    | 98       |
| 56) 4-Nitrophenol             | 15.109 | 139  | 3286     | 3.262 | ng    | # 78     |
| 57) 2,4-Dinitrotoluene        | 15.250 | 165  | 9618     | 4.491 | ng    | 97       |
| 58) Fluorene                  | 15.938 | 166  | 32408    | 4.818 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.515 | 232  | 8306     | 3.933 | ng    | # 93     |
| 60) Diethylphthalate          | 15.679 | 149  | 31354    | 4.789 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.914 | 204  | 19867    | 4.840 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.943 | 138  | 6613     | 4.483 | ng    | # 78     |
| 63) Azobenzene                | 16.208 | 77   | 22331    | 4.957 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 16.014 | 198  | 4455     | 2.794 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 16.131 | 169  | 29396    | 4.578 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.807 | 248  | 13184    | 4.541 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.936 | 284  | 14654    | 5.154 | ng    | 93       |
| 69) Atrazine                  | 17.060 | 200  | 12791    | 5.164 | ng    | 97       |
| 71) Phenanthrene              | 17.671 | 178  | 58036    | 4.890 | ng    | 97       |
| 72) Anthracene                | 17.765 | 178  | 58269    | 4.783 | ng    | 99       |
| 73) Carbazole                 | 18.029 | 167  | 50822    | 4.898 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.558 | 149  | 49575    | 4.550 | ng    | 98       |
| 75) Fluoranthene              | 19.669 | 202  | 73177    | 4.885 | ng    | 95       |
| 77) Benzidine                 | 19.839 | 184  | 36259    | 6.006 | ng    | 99       |
| 78) Pyrene                    | 20.027 | 202  | 77393    | 4.878 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.885 | 149  | 20721    | 4.276 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.901 | 228  | 74931    | 4.805 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.801 | 252  | 29257    | 5.209 | ng    | 96       |
| 83) Chrysene                  | 21.972 | 228  | 69640    | 4.753 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.760 | 149  | 30185    | 4.345 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.029 | 149  | 52187    | 4.511 | ng    | # 99     |
| 87) Indeno(1,2,3-cd)pyrene    | 29.269 | 276  | 82871    | 4.692 | ng    | # 61     |
| 88) Benzo(b)fluoranthene      | 24.246 | 252  | 77643    | 5.185 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.316 | 252  | 74109    | 4.902 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.174 | 252  | 67467    | 4.574 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 29.334 | 278  | 71765    | 4.841 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.503 | 276  | 69658    | 4.870 | ng    | # 95     |

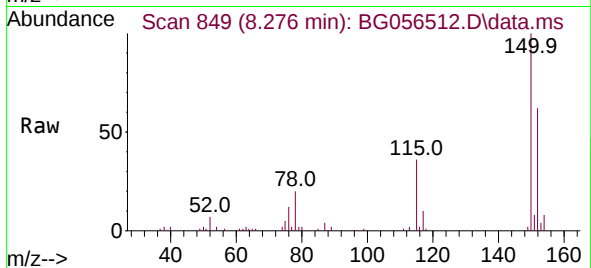
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.276 min Scan# 84  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

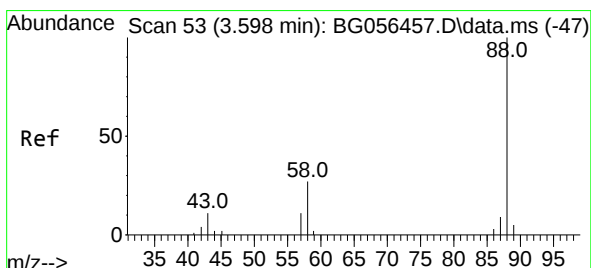
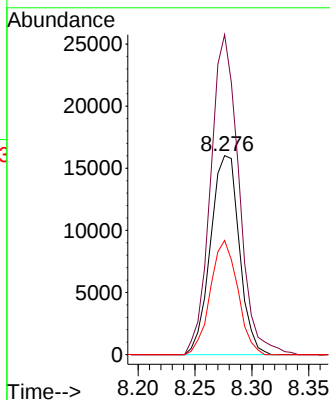
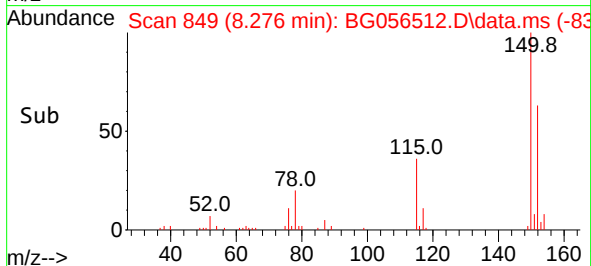
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion:152 Resp: 2814  
Ion Ratio Lower Upper  
152 100  
150 160.8 120.2 180.4  
115 57.4 36.3 54.5

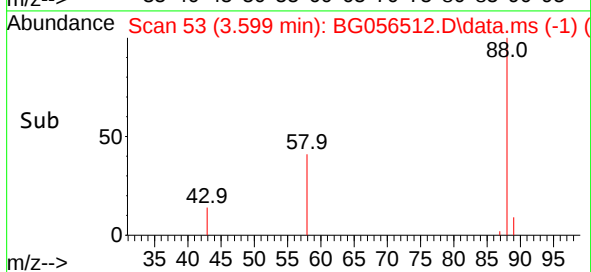
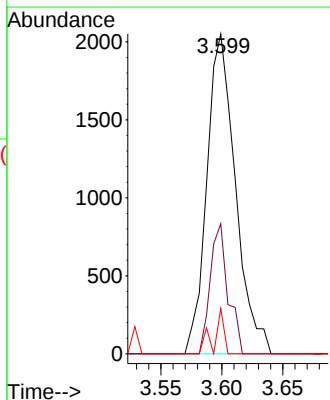
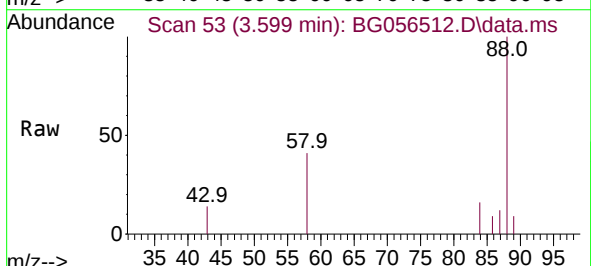
Manual Integrations  
APPROVED

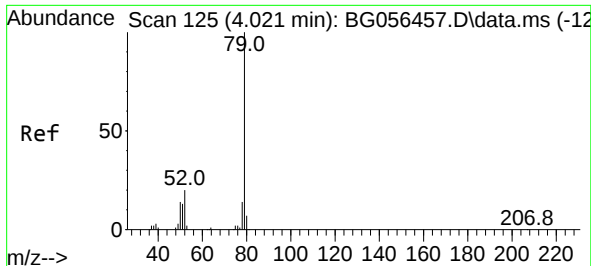
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#2  
1,4-Dioxane  
Concen: 5.256 ng  
RT: 3.599 min Scan# 53  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

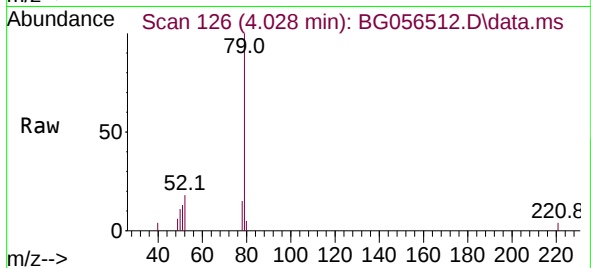
Tgt Ion: 88 Resp: 3348  
Ion Ratio Lower Upper  
88 100  
58 25.3 23.0 34.4  
43 4.8 8.0 12.0





#3  
Pyridine  
Concen: 3.890 ng  
RT: 4.028 min Scan# 110  
Delta R.T. 0.006 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

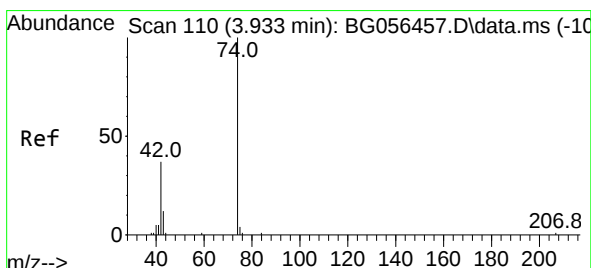
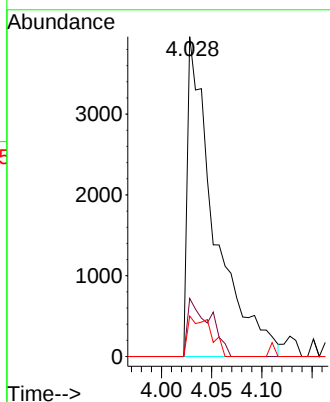
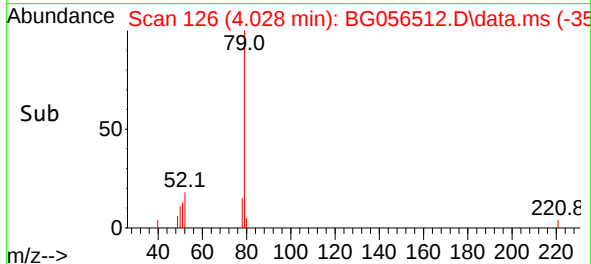
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



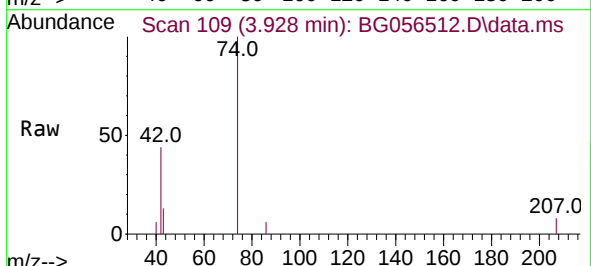
Tgt Ion: 79 Resp: 738  
Ion Ratio Lower Upper  
79 100  
52 18.2 16.1 24.1  
51 12.7 10.7 16.1

Manual Integrations  
APPROVED

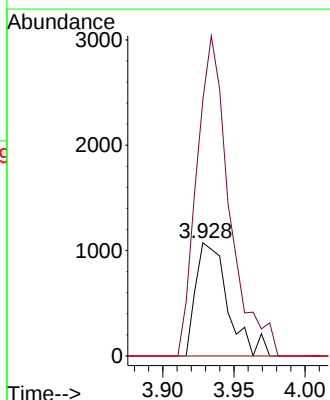
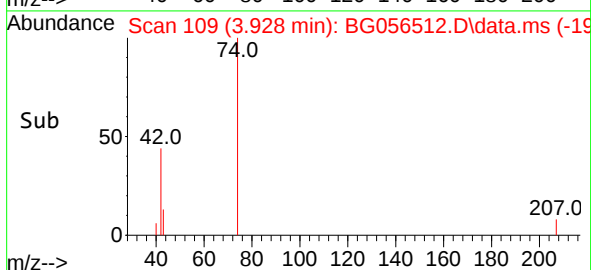
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Supervised By :Jagrut Upadhyay 02/03/2023

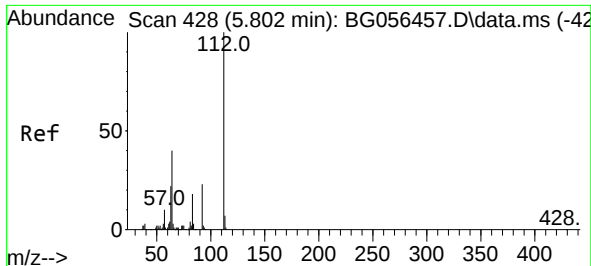


#4  
n-Nitrosodimethylamine  
Concen: 4.138 ng  
RT: 3.928 min Scan# 109  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



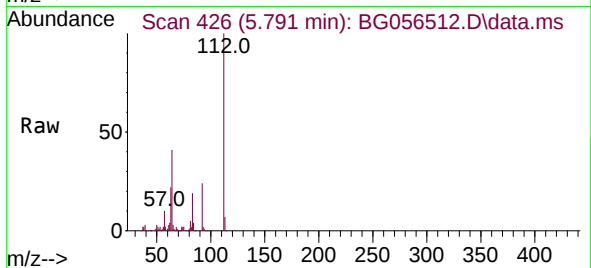
Tgt Ion: 42 Resp: 1671  
Ion Ratio Lower Upper  
42 100  
74 226.4 217.9 326.9  
44 0.0 3.0 4.6





#5  
2-Fluorophenol  
Concen: 126.528 ng  
RT: 5.791 min Scan# 428  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

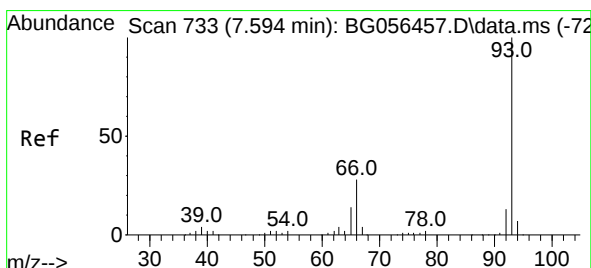
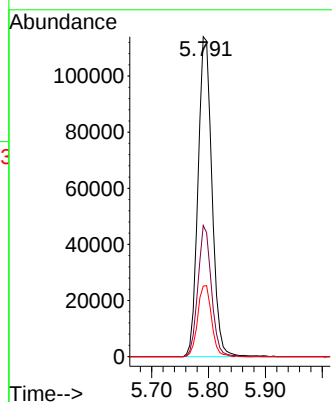
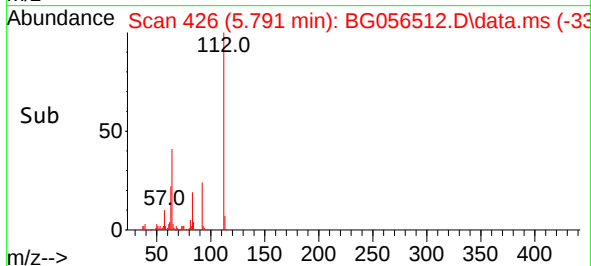
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion: 112 Resp: 193570  
Ion Ratio Lower Upper  
112 100  
64 41.0 31.9 47.9  
63 22.0 17.4 26.0

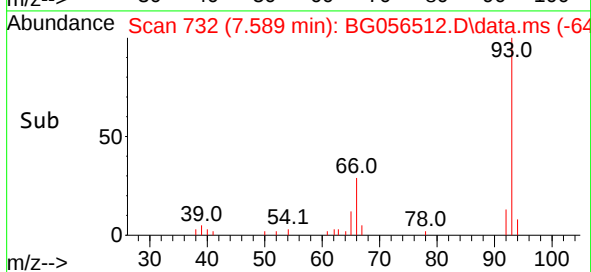
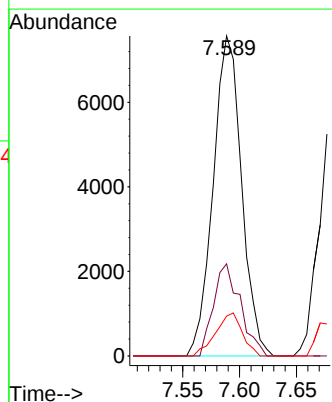
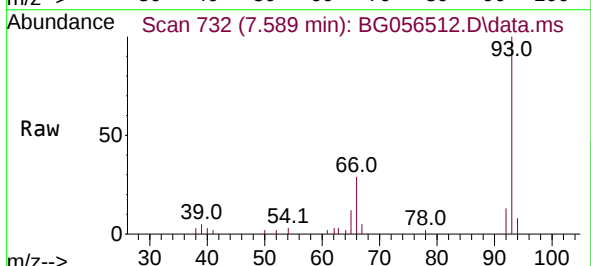
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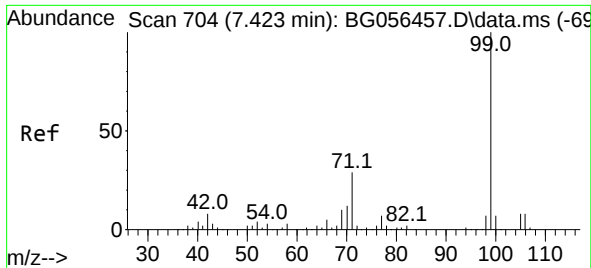
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#6  
Aniline  
Concen: 4.430 ng  
RT: 7.589 min Scan# 732  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

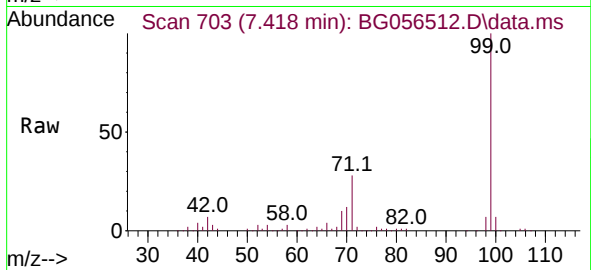
Tgt Ion: 93 Resp: 13146  
Ion Ratio Lower Upper  
93 100  
66 28.8 22.2 33.2  
65 12.4 11.3 16.9





#7  
Phenol-d6  
Concen: 121.469 ng  
RT: 7.418 min Scan# 704  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

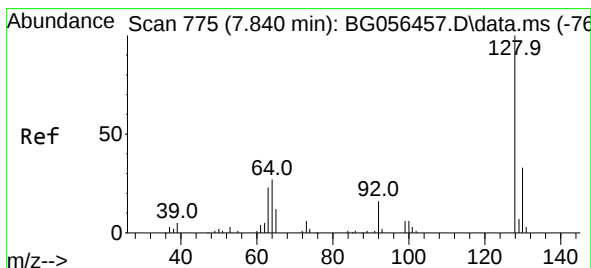
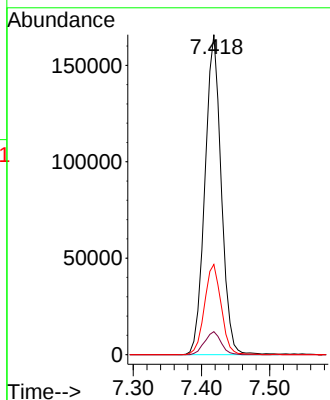
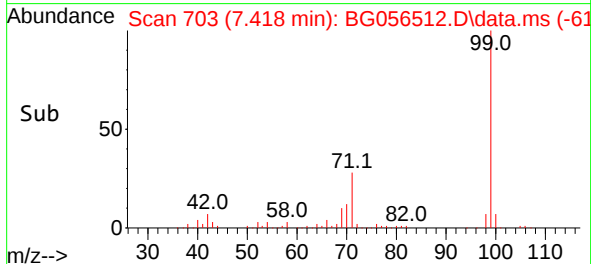
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



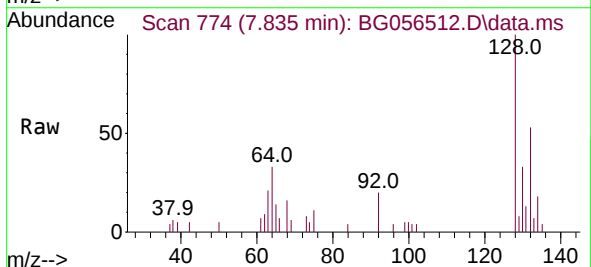
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Ion Ratio Lower Upper  
99 100  
42 7.2 6.6 10.0  
71 28.2 23.4 35.0

Manual Integrations  
APPROVED

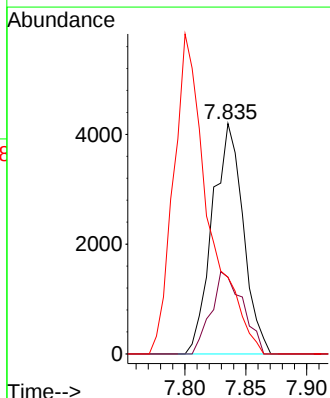
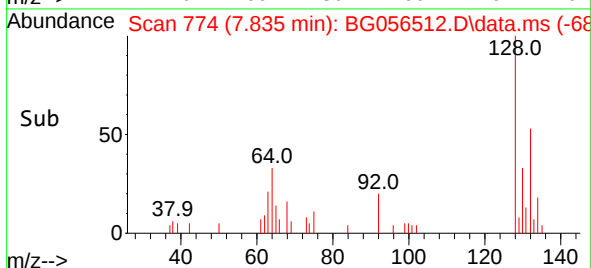
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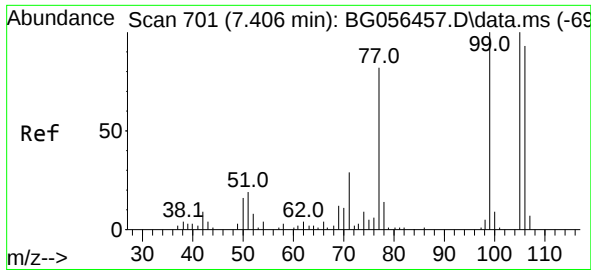


#8  
2-Chlorophenol  
Concen: 4.395 ng  
RT: 7.835 min Scan# 774  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



Tgt Ion:128 Resp: 7386  
Ion Ratio Lower Upper  
128 100  
130 33.3 12.8 52.8  
64 33.2 11.3 51.3





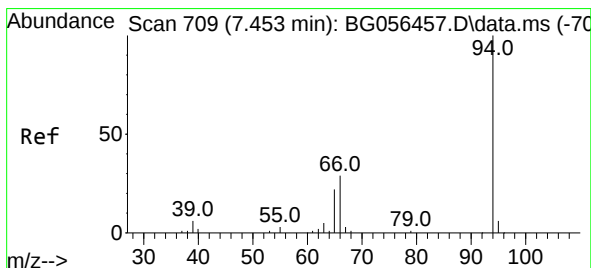
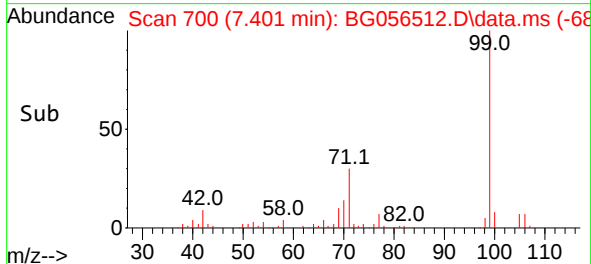
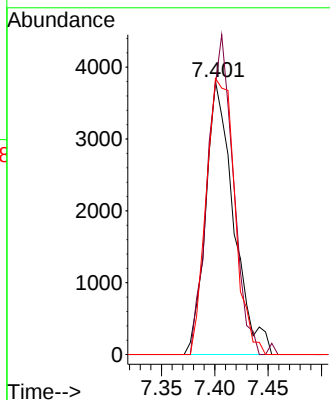
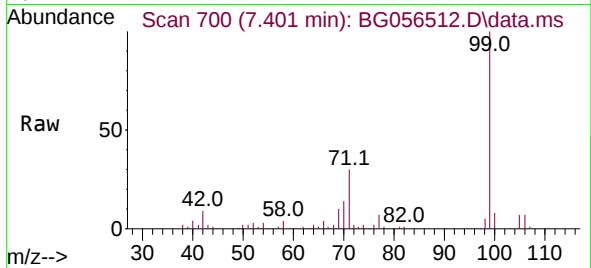
#9  
Benzaldehyde  
Concen: 4.892 ng  
RT: 7.401 min Scan# 701  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022

Tgt Ion: 77 Resp: 691  
Ion Ratio Lower Upper  
77 100  
105 98.8 101.8 141.8  
106 101.1 93.0 133.0

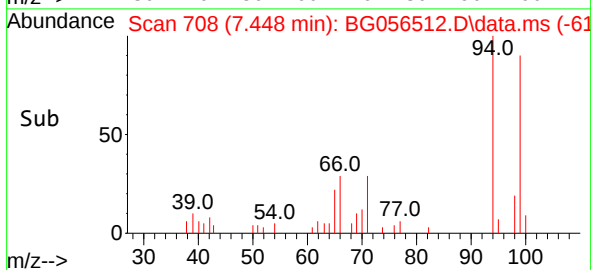
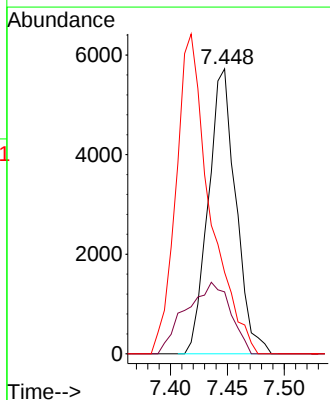
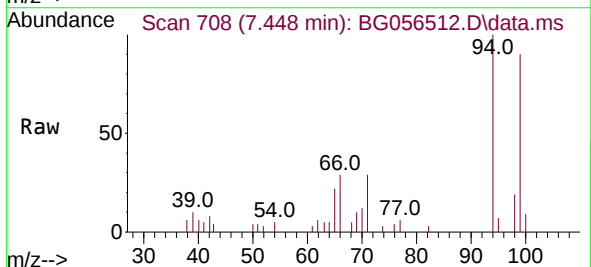
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#10  
Phenol  
Concen: 4.176 ng  
RT: 7.448 min Scan# 708  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Tgt Ion: 94 Resp: 9622  
Ion Ratio Lower Upper  
94 100  
65 21.8 2.3 42.3  
66 28.6 11.2 51.2





#11

bis(2-Chloroethyl)ether

Concen: 4.675 ng

RT: 7.677 min Scan# 74

Delta R.T. -0.005 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

Instrument :

BNA\_G

ClientSampleId :

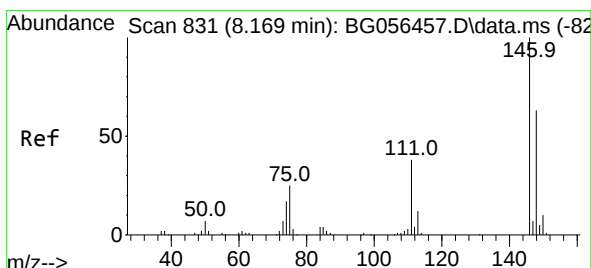
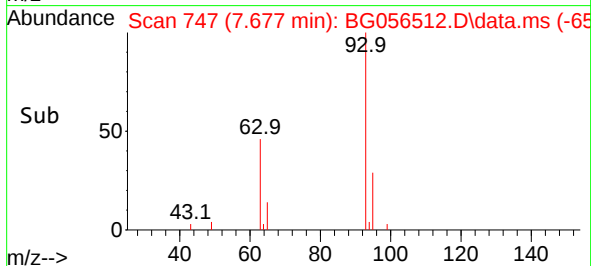
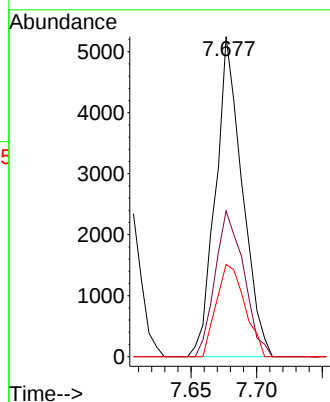
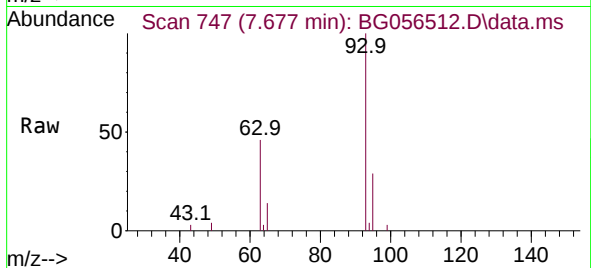
MDL-WATER-03-QT4-2022

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 740   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 45.5  | 32.4  | 72.4  |
| 95       | 28.8  | 11.8  | 51.8  |

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#12

1,3-Dichlorobenzene

Concen: 4.744 ng

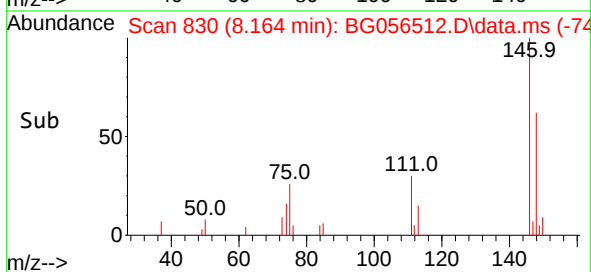
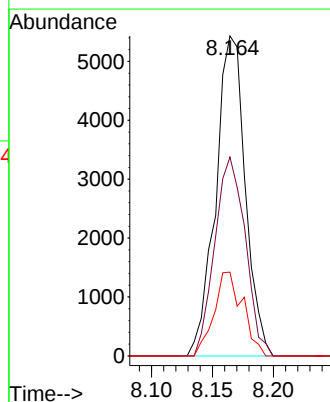
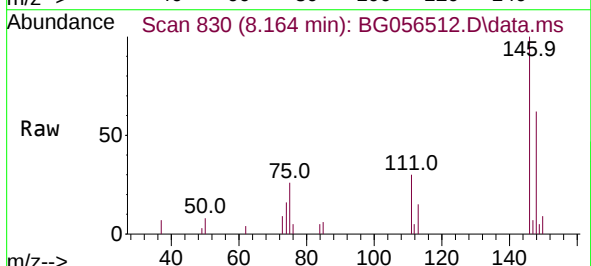
RT: 8.164 min Scan# 830

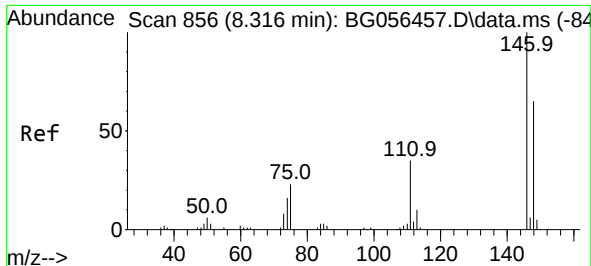
Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 9180  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 62.1  | 50.6  | 75.8  |
| 75       | 26.2  | 19.6  | 29.4  |





#13

1,4-Dichlorobenzene

Concen: 4.762 ng m

RT: 8.311 min Scan# 8

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:146 Resp: 933

Ion Ratio Lower Upper

146 100

148 67.6 51.8 77.6

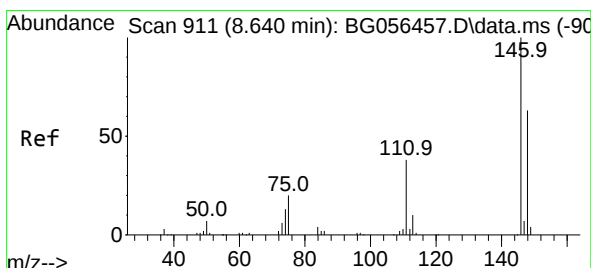
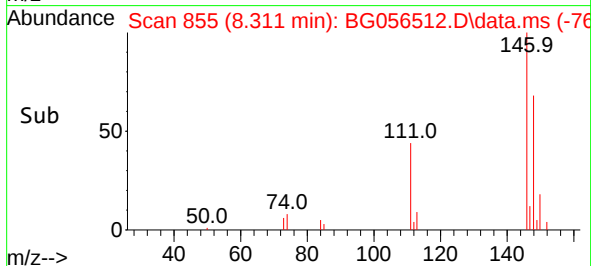
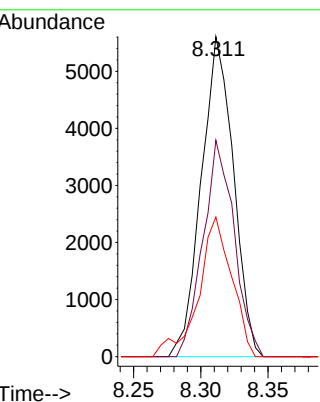
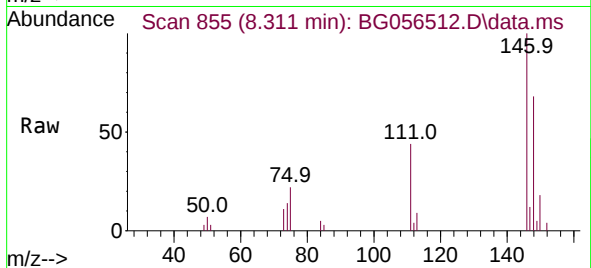
111 43.6 28.6 42.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#14

1,2-Dichlorobenzene

Concen: 4.766 ng

RT: 8.634 min Scan# 910

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

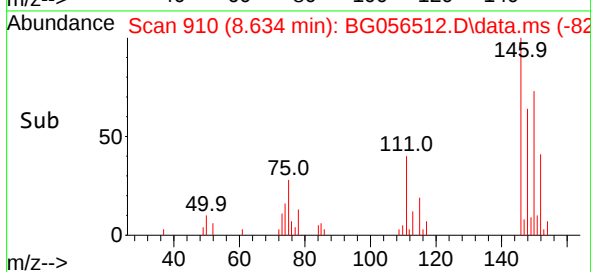
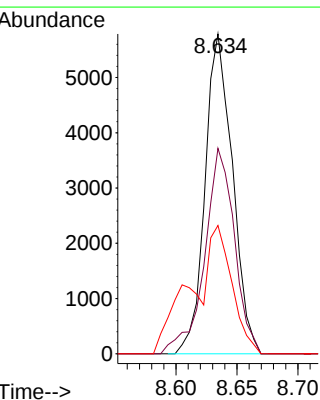
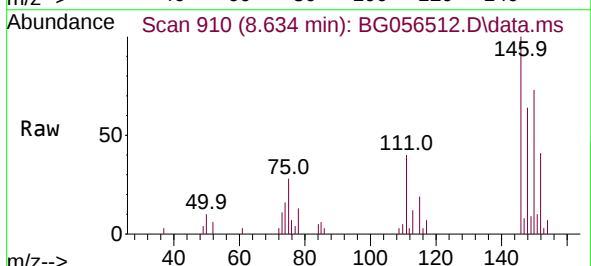
Tgt Ion:146 Resp: 9062

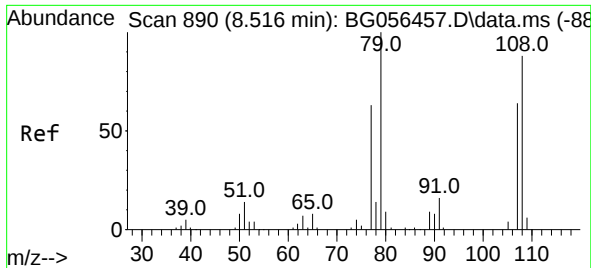
Ion Ratio Lower Upper

146 100

148 64.2 50.1 75.1

111 40.1 30.9 46.3





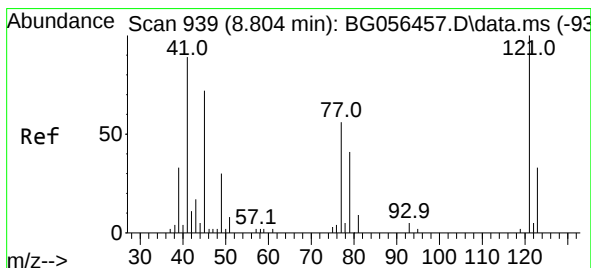
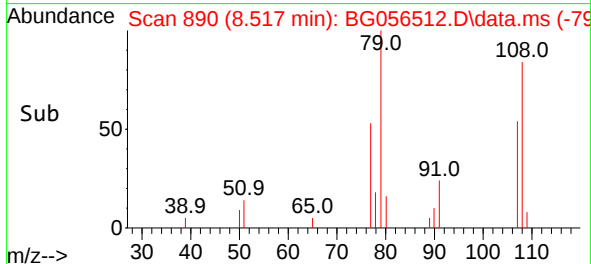
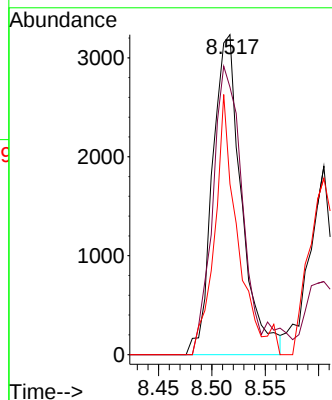
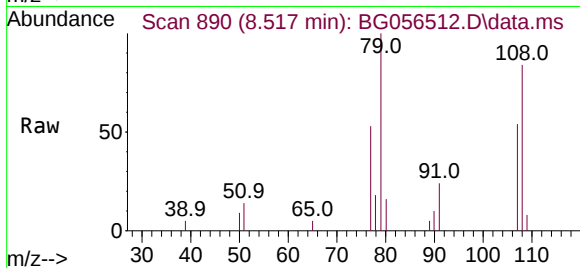
#15  
Benzyl Alcohol  
Concen: 3.944 ng  
RT: 8.517 min Scan# 890  
Delta R.T. 0.006 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022

Tgt Ion: 79 Resp: 6134  
Ion Ratio Lower Upper  
79 100  
108 83.6 70.1 105.1  
77 53.3 50.3 75.5

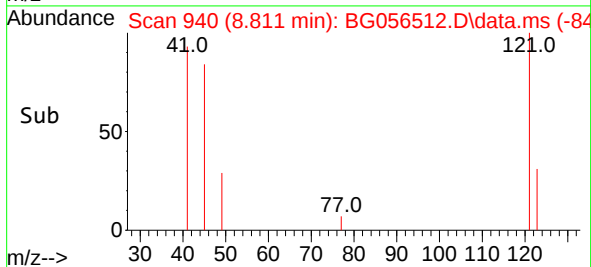
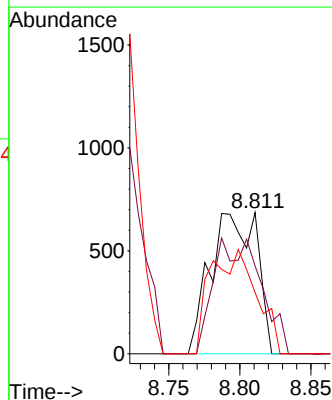
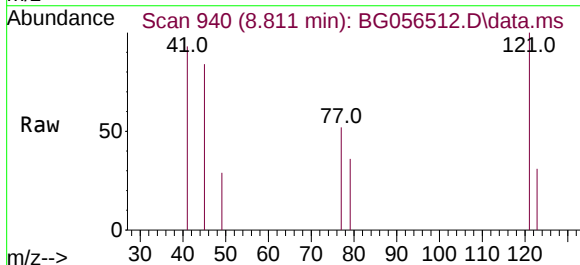
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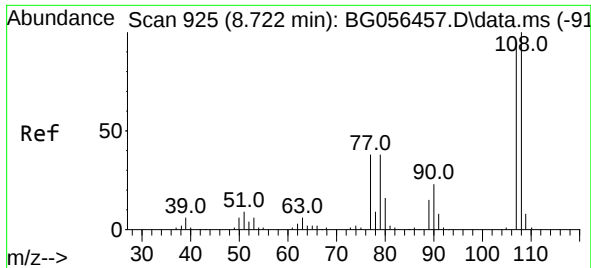
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.617 ng  
RT: 8.811 min Scan# 940  
Delta R.T. 0.018 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

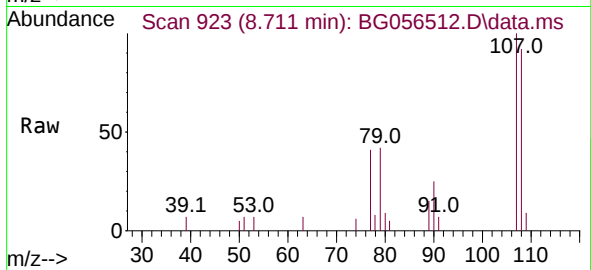
Tgt Ion: 45 Resp: 1549  
Ion Ratio Lower Upper  
45 100  
77 62.2 62.1 102.1  
79 43.4 42.7 82.7





#17  
2-Methylphenol  
Concen: 3.963 ng  
RT: 8.711 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

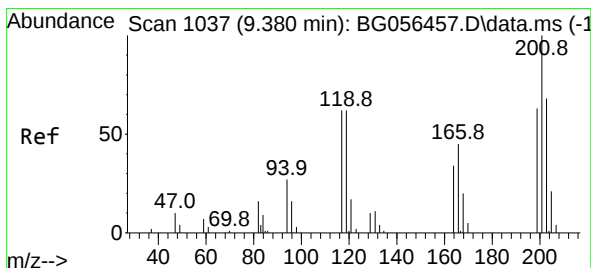
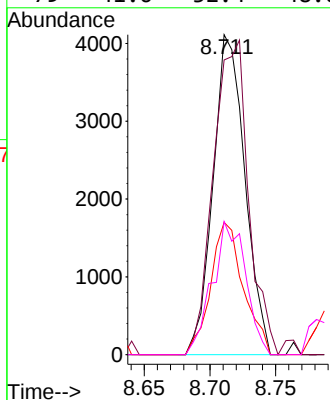
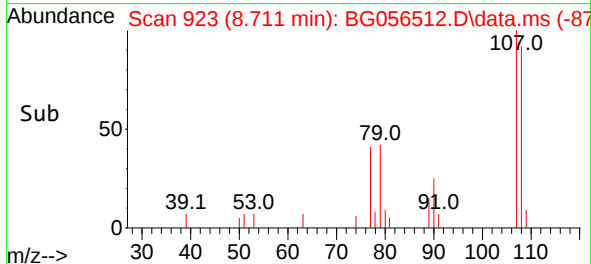
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



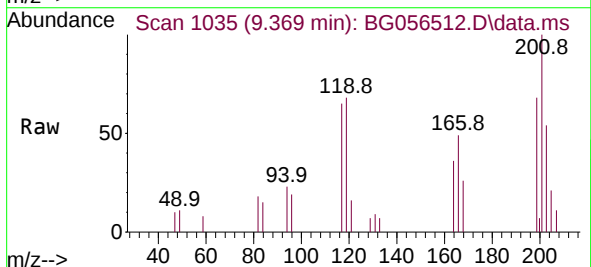
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 6946  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 92.1  | 83.9  | 125.9 |
| 77       | 41.3  | 31.6  | 47.4  |
| 79       | 41.6  | 32.4  | 48.6  |

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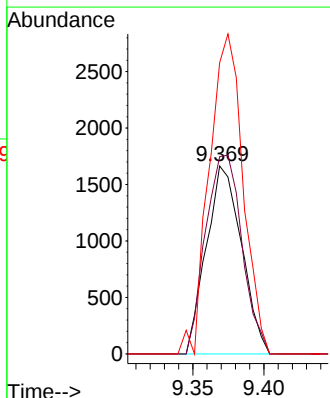
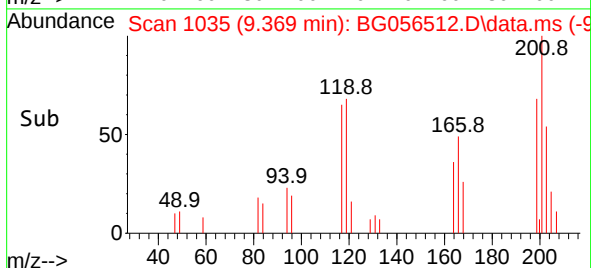
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

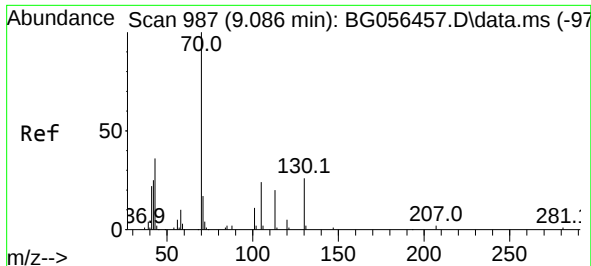


#18  
Hexachloroethane  
Concen: 4.839 ng  
RT: 9.369 min Scan# 1035  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



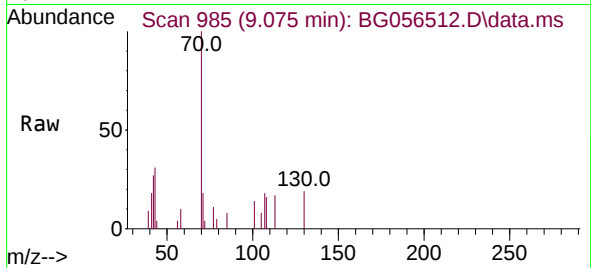
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2868  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 104.9 | 79.4  | 119.0 |
| 201      | 154.9 | 128.5 | 192.7 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 4.473 ng  
RT: 9.075 min Scan# 985  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

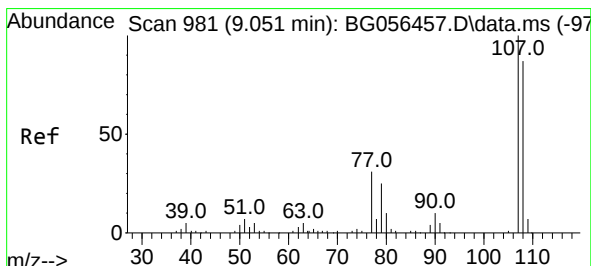
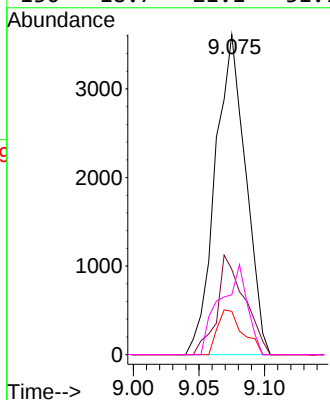
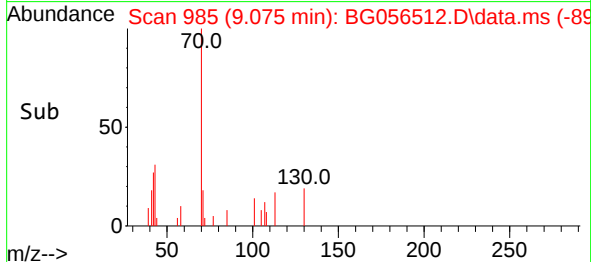
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



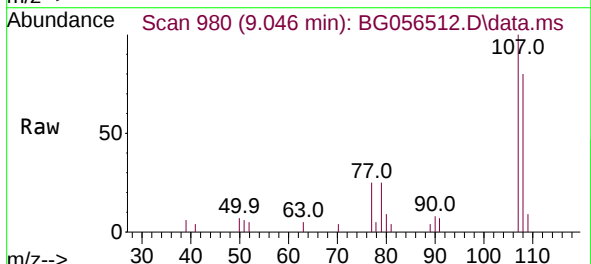
Tgt Ion: 70 Resp: 5843  
Ion Ratio Lower Upper  
70 100  
42 26.6 20.2 30.4  
101 13.5 9.1 13.7  
130 18.7 21.1 31.7#

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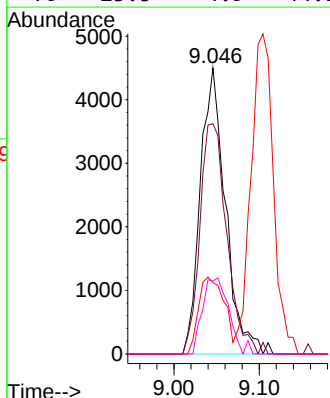
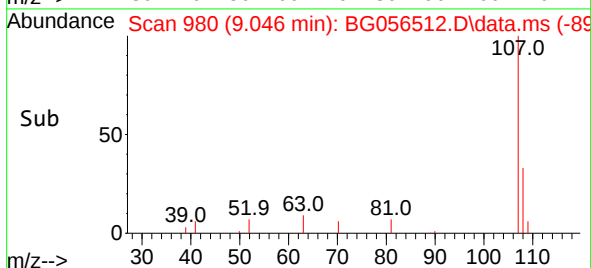
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

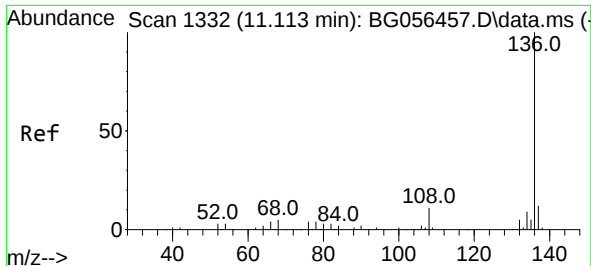


#20  
3+4-Methylphenols  
Concen: 3.758 ng  
RT: 9.046 min Scan# 980  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



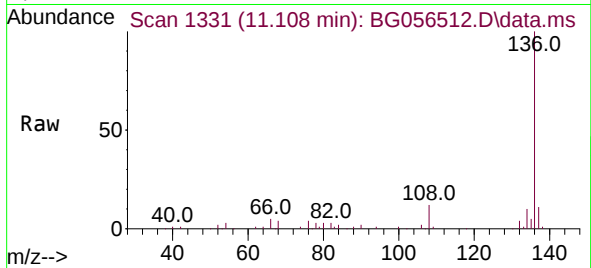
Tgt Ion:107 Resp: 9231  
Ion Ratio Lower Upper  
107 100  
108 80.5 66.7 106.7  
77 24.9 10.6 50.6  
79 25.5 4.9 44.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.108 min Scan# 1332  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

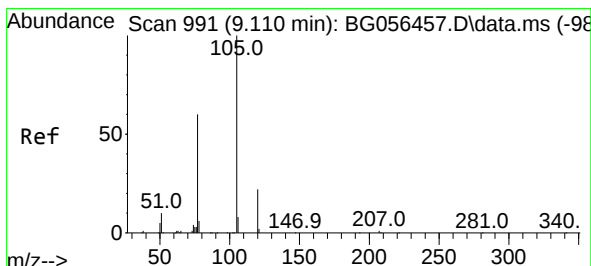
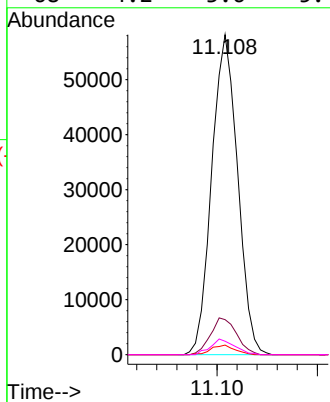
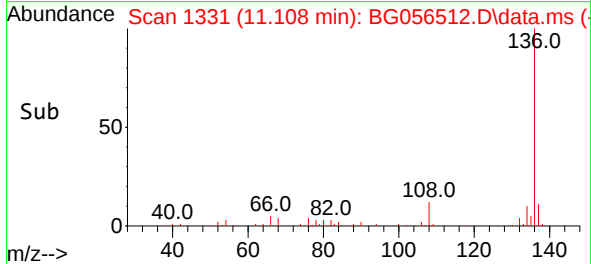
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion:136 Resp: 104278  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.4 14.0  
54 3.0 2.2 3.4  
68 4.2 3.6 5.4

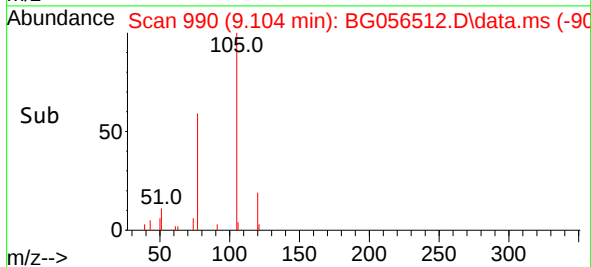
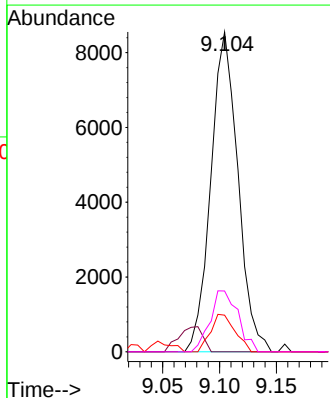
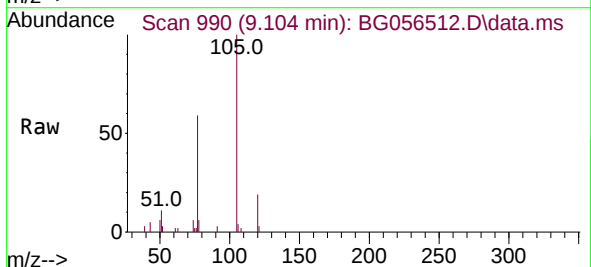
Manual Integrations  
APPROVED

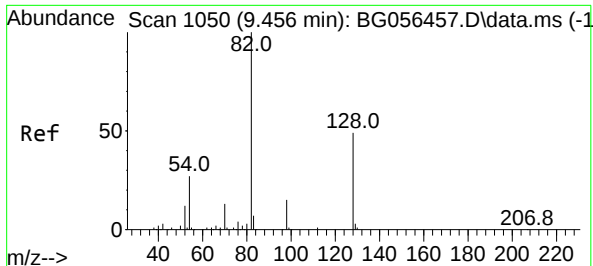
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#22  
Acetophenone  
Concen: 5.121 ng  
RT: 9.104 min Scan# 990  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

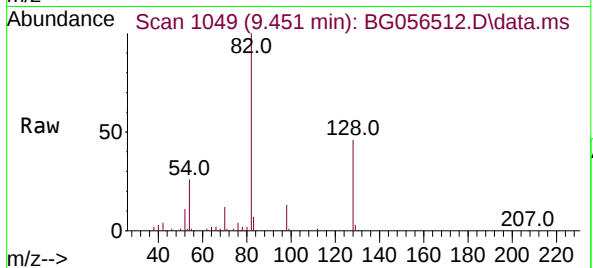
Tgt Ion:105 Resp: 14188  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.6 0.8  
51 11.5 9.2 13.8  
120 19.0 17.4 26.0





#23  
Nitrobenzene-d5  
Concen: 98.765 ng  
RT: 9.451 min Scan# 1049  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

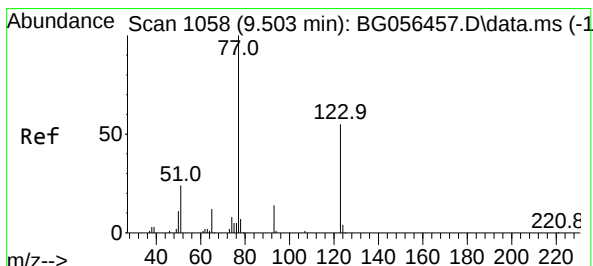
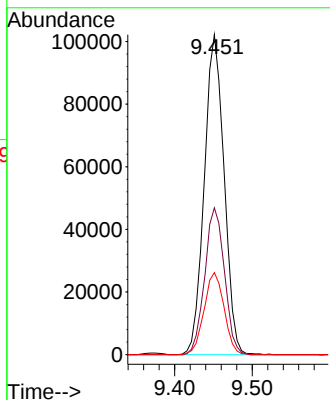
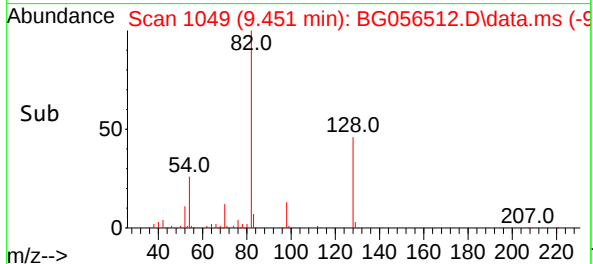
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion: 82 Resp: 181369  
Ion Ratio Lower Upper  
82 100  
128 45.9 39.4 59.2  
54 25.6 21.4 32.2

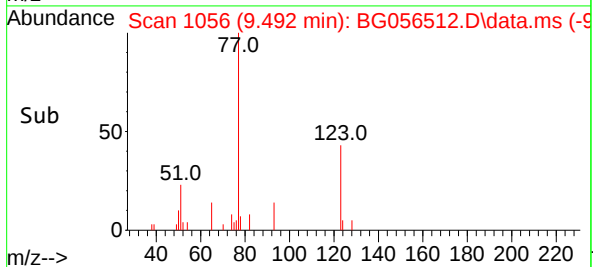
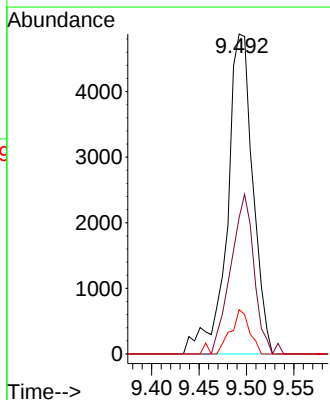
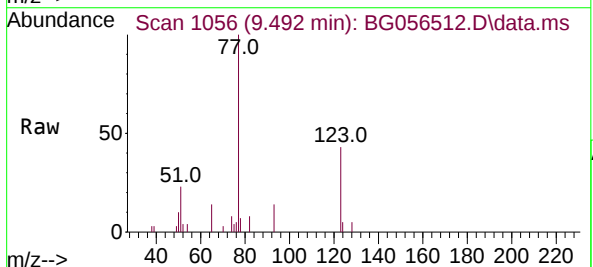
Manual Integrations  
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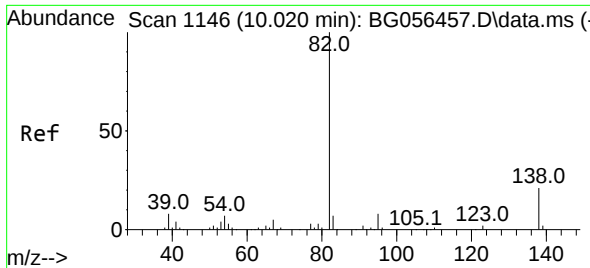
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#24  
Nitrobenzene  
Concen: 5.178 ng  
RT: 9.492 min Scan# 1056  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Tgt Ion: 77 Resp: 9171  
Ion Ratio Lower Upper  
77 100  
123 42.6 44.0 66.0#  
65 13.8 9.7 14.5





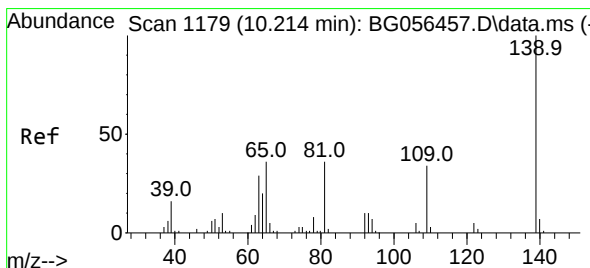
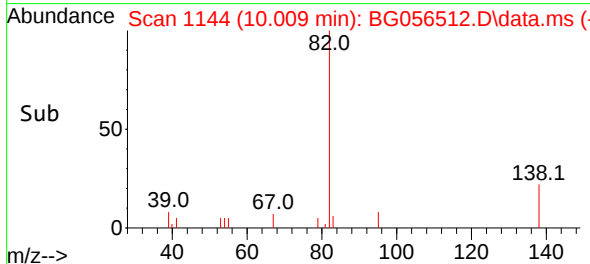
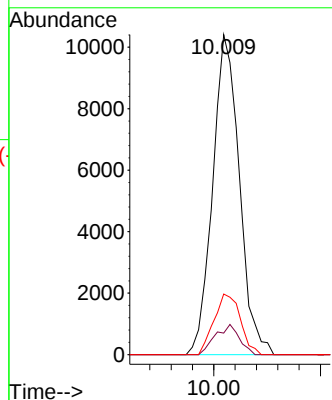
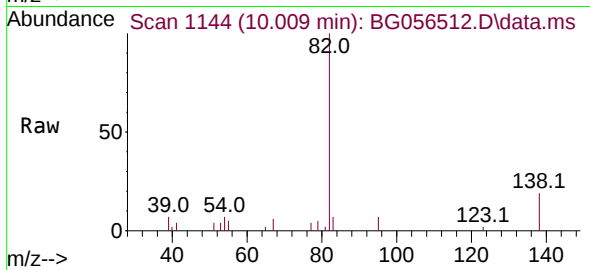
#25  
Isophorone  
Concen: 4.774 ng  
RT: 10.009 min Scan# 1144  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion: 82 Resp: 1808  
Ion Ratio Lower Upper  
82 100  
95 6.7 6.3 9.5  
138 19.0 16.6 25.0

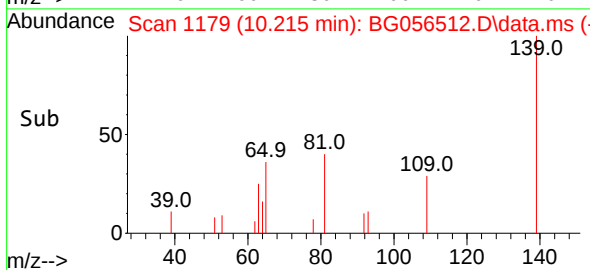
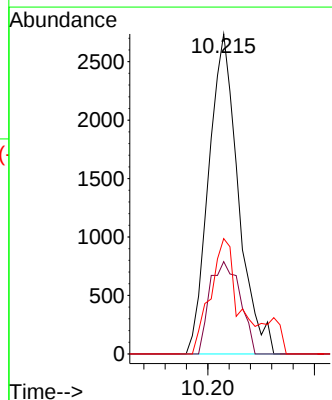
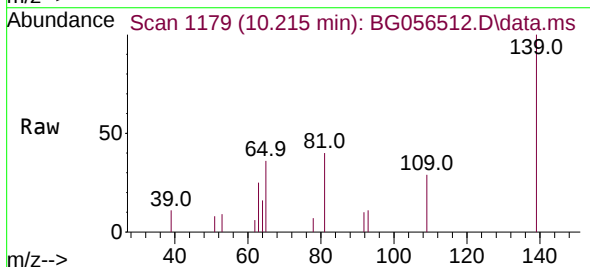
Manual Integrations  
APPROVED

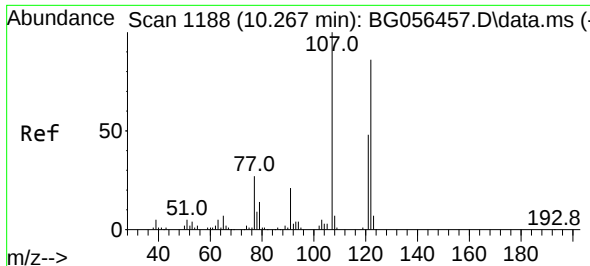
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#26  
2-Nitrophenol  
Concen: 4.896 ng  
RT: 10.215 min Scan# 1179  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

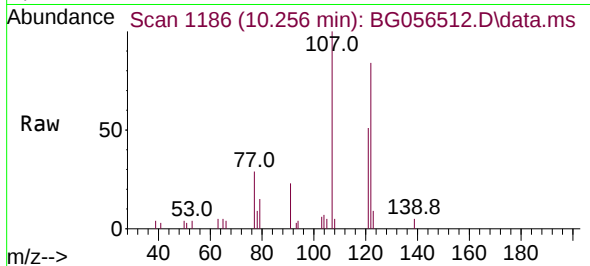
Tgt Ion:139 Resp: 5262  
Ion Ratio Lower Upper  
139 100  
109 28.8 26.9 40.3  
65 36.0 29.0 43.4





#27  
2,4-Dimethylphenol  
Concen: 4.392 ng  
RT: 10.256 min Scan# 1186  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

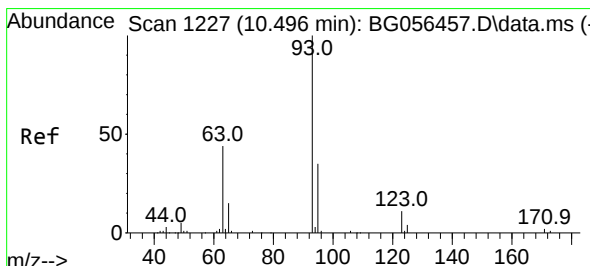
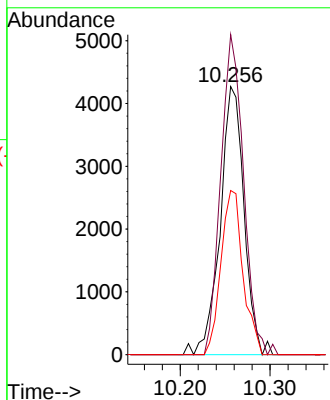
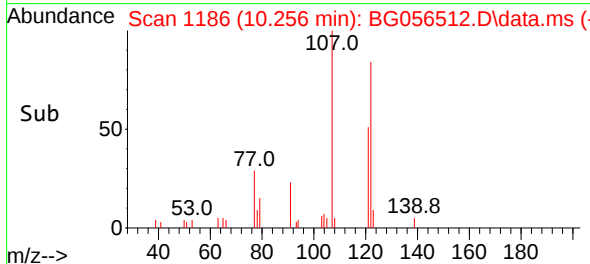
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion:122 Resp: 7899  
Ion Ratio Lower Upper  
122 100  
107 119.4 92.9 139.3  
121 61.2 45.0 67.4

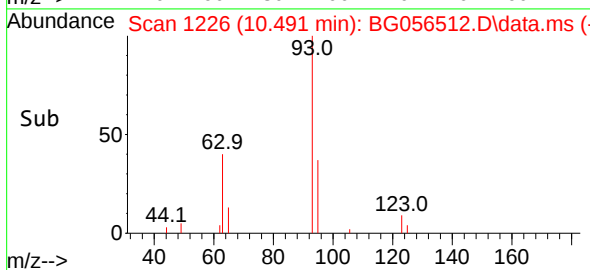
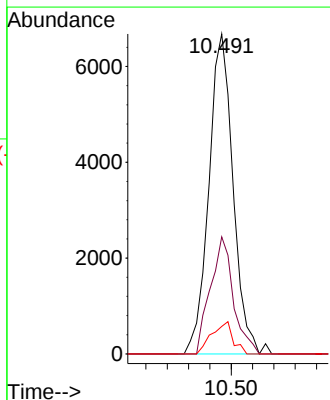
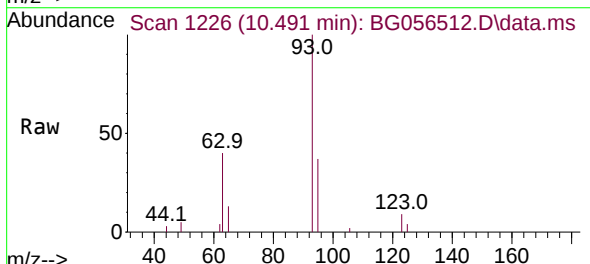
Manual Integrations  
APPROVED

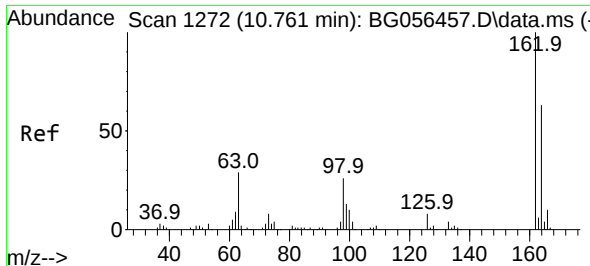
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 5.039 ng  
RT: 10.491 min Scan# 1226  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

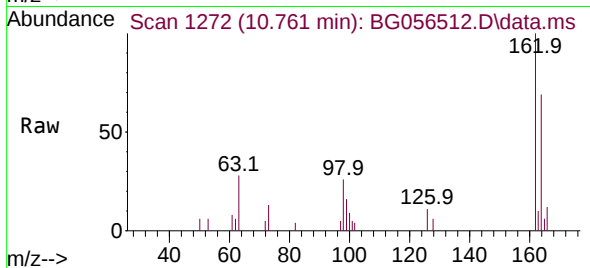
Tgt Ion: 93 Resp: 10546  
Ion Ratio Lower Upper  
93 100  
95 36.6 27.9 41.9  
123 8.6 8.6 12.8





#29  
2,4-Dichlorophenol  
Concen: 4.299 ng  
RT: 10.761 min Scan# 1272  
Delta R.T. 0.006 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

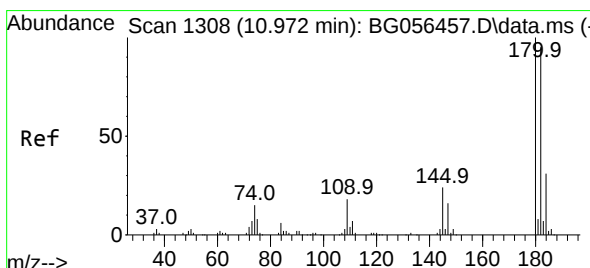
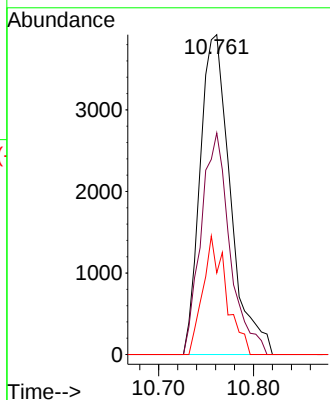
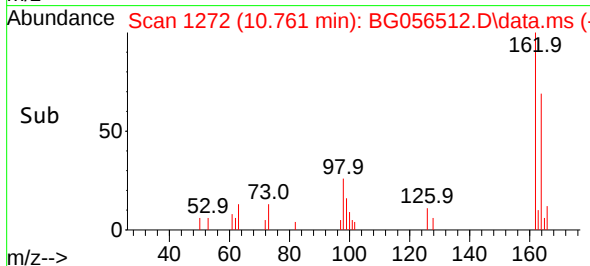
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



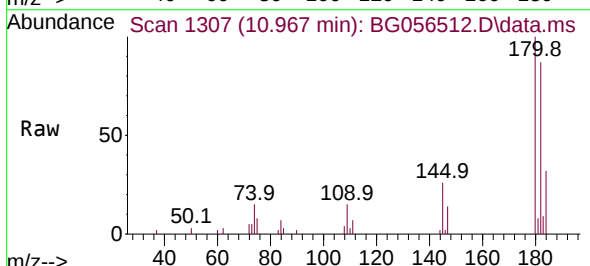
Tgt Ion:162 Resp: 8703  
Ion Ratio Lower Upper  
162 100  
164 69.3 42.8 82.8  
98 25.5 6.5 46.5

Manual Integrations  
APPROVED

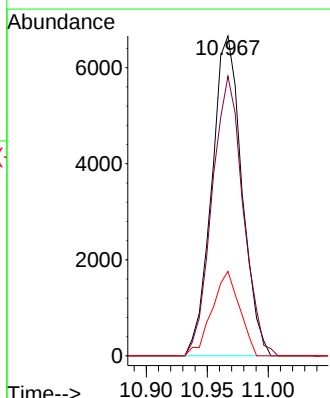
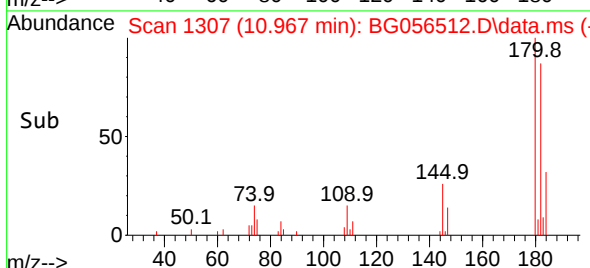
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

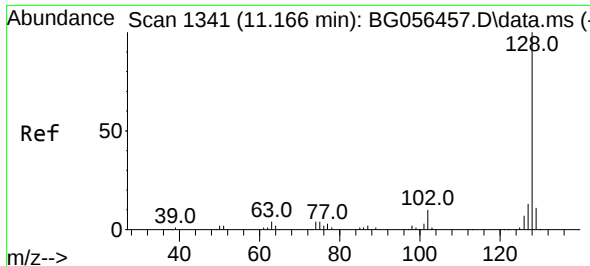


#30  
1,2,4-Trichlorobenzene  
Concen: 5.084 ng  
RT: 10.967 min Scan# 1307  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



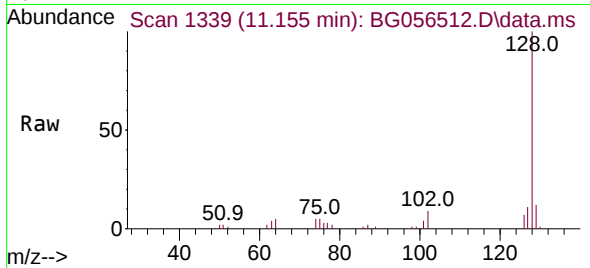
Tgt Ion:180 Resp: 11438  
Ion Ratio Lower Upper  
180 100  
182 87.4 75.9 113.9  
145 26.4 19.4 29.0





#31  
Naphthalene  
Concen: 4.996 ng  
RT: 11.155 min Scan# 1339  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

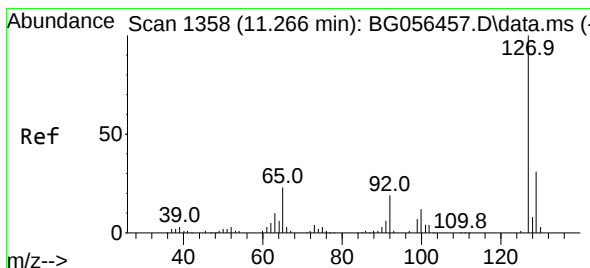
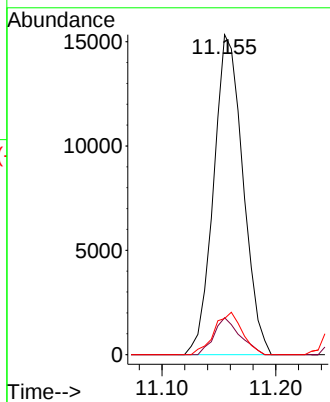
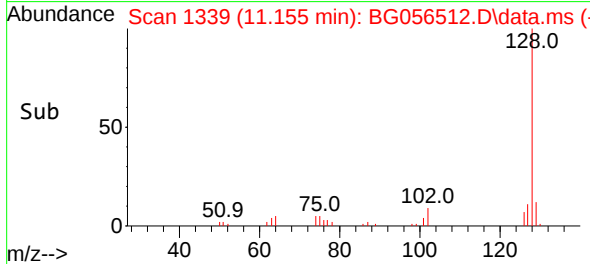
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



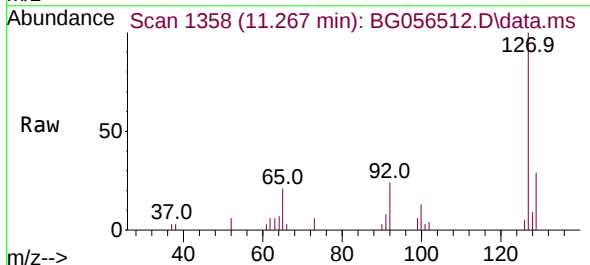
Tgt Ion:128 Resp: 27496  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.7 13.1  
127 11.3 10.4 15.6

Manual Integrations  
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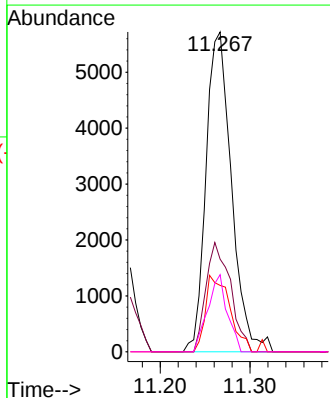
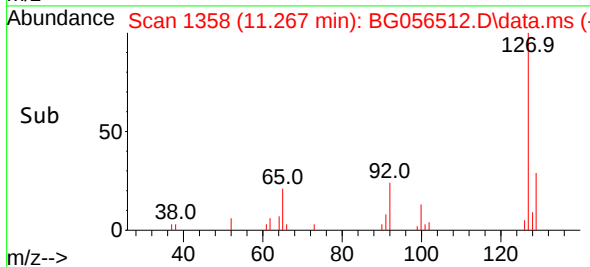
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

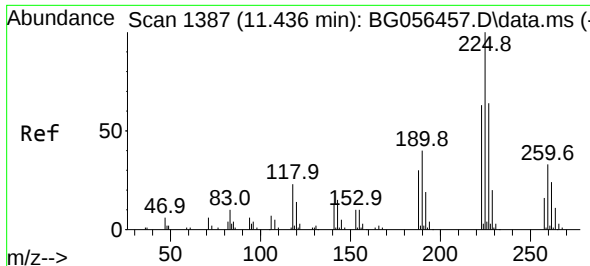


#33  
4-Chloroaniline  
Concen: 4.404 ng  
RT: 11.267 min Scan# 1358  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



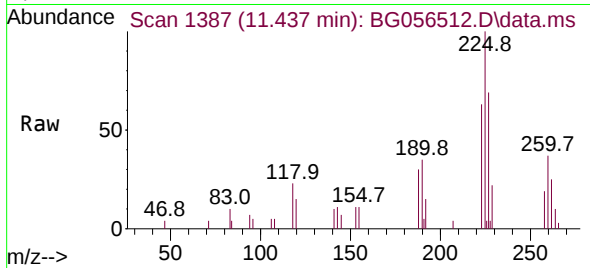
Tgt Ion:127 Resp: 11314  
Ion Ratio Lower Upper  
127 100  
129 29.0 25.0 37.6  
65 20.8 18.5 27.7  
92 24.1 15.2 22.8





#34  
Hexachlorobutadiene  
Concen: 5.181 ng  
RT: 11.437 min Scan# 1387  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

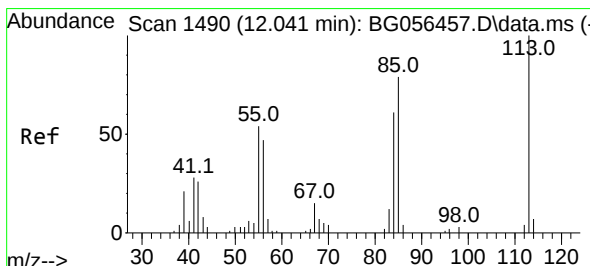
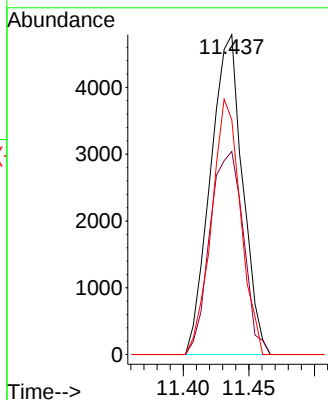
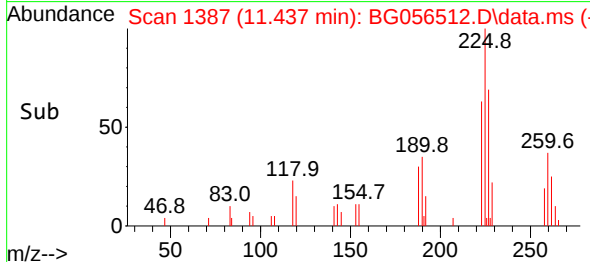
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion:225 Resp: 8182  
Ion Ratio Lower Upper  
225 100  
223 61.2 50.6 75.8  
227 70.8 53.7 80.5

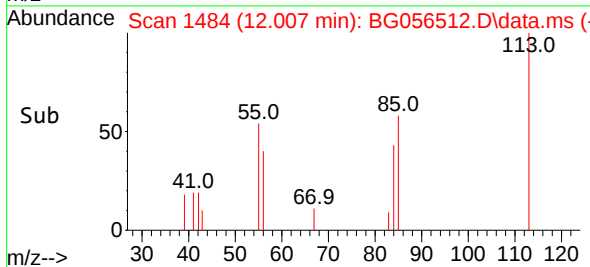
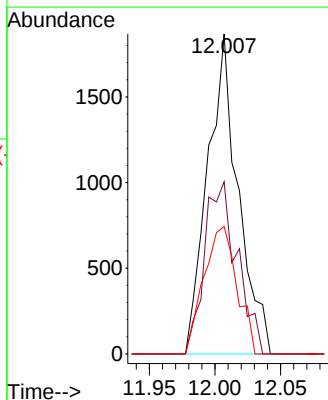
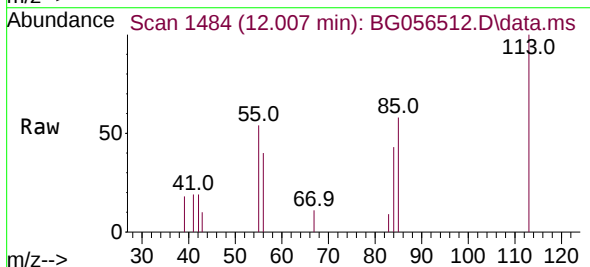
Manual Integrations  
APPROVED

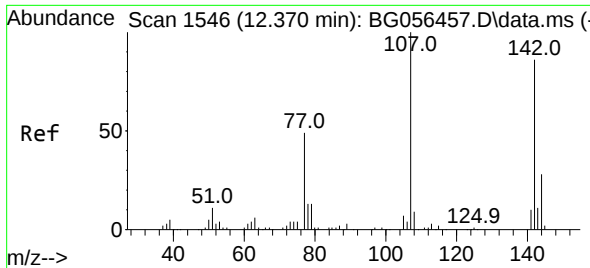
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#35  
Caprolactam  
Concen: 4.439 ng  
RT: 12.007 min Scan# 1484  
Delta R.T. -0.023 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

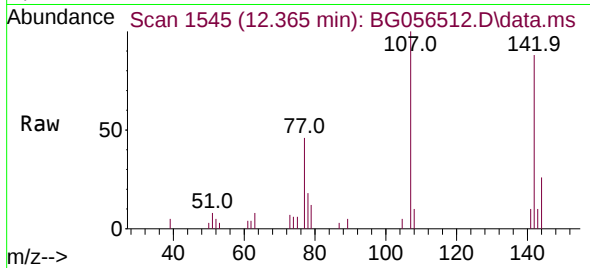
Tgt Ion:113 Resp: 3031  
Ion Ratio Lower Upper  
113 100  
55 53.8 33.7 73.7  
56 39.8 27.1 67.1





#36  
4-Chloro-3-methylphenol  
Concen: 4.374 ng  
RT: 12.365 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

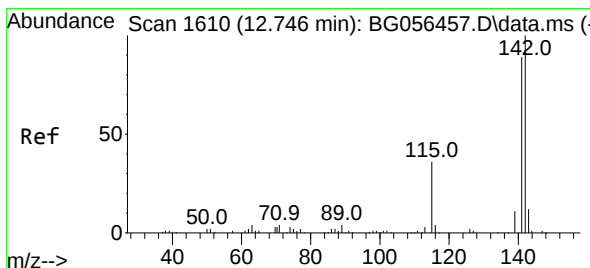
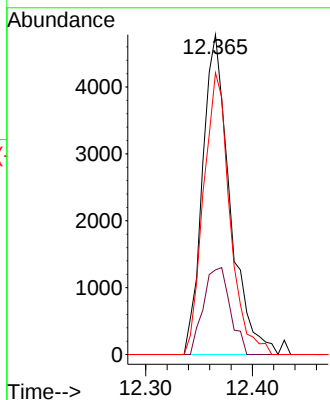
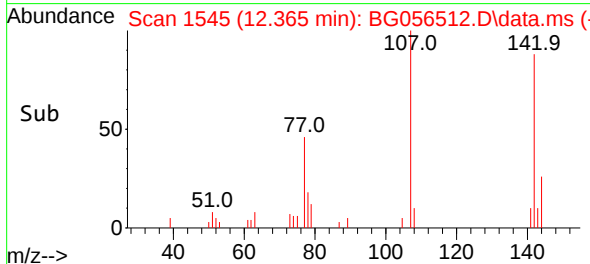
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



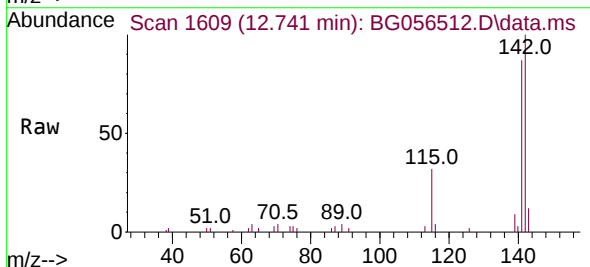
Tgt Ion:107 Resp: 8552  
Ion Ratio Lower Upper  
107 100  
144 26.5 22.3 33.5  
142 88.1 68.9 103.3

Manual Integrations  
APPROVED

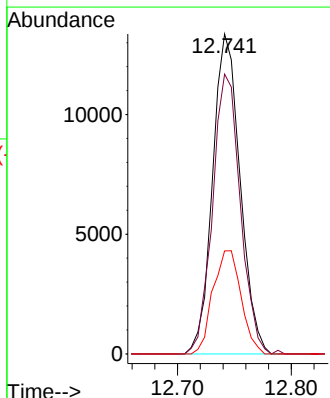
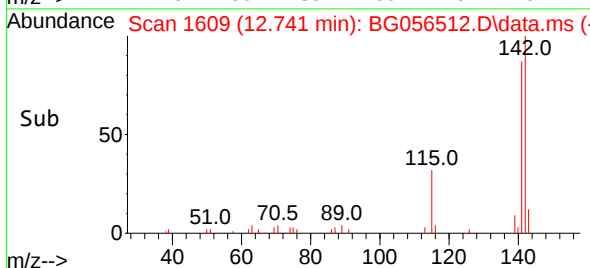
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

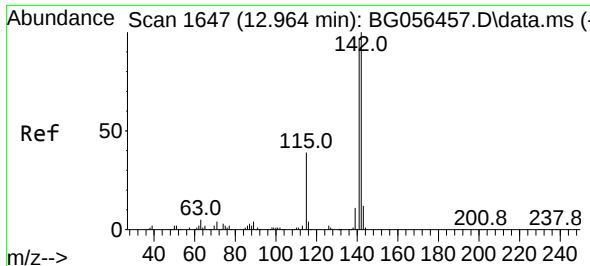


#37  
2-Methylnaphthalene  
Concen: 4.947 ng  
RT: 12.741 min Scan# 1609  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



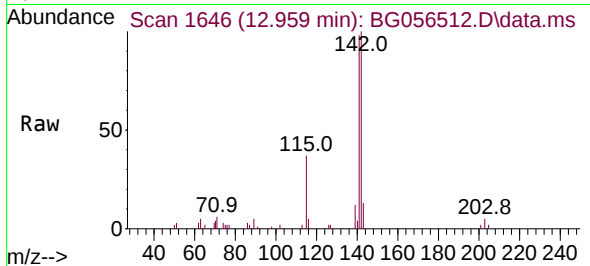
Tgt Ion:142 Resp: 22448  
Ion Ratio Lower Upper  
142 100  
141 87.4 71.4 107.0  
115 32.2 28.4 42.6





#38  
1-Methylnaphthalene  
Concen: 4.580 ng  
RT: 12.959 min Scan# 1646  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

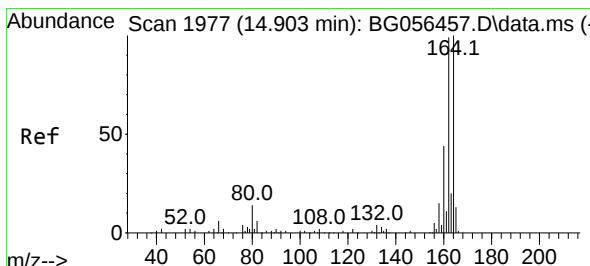
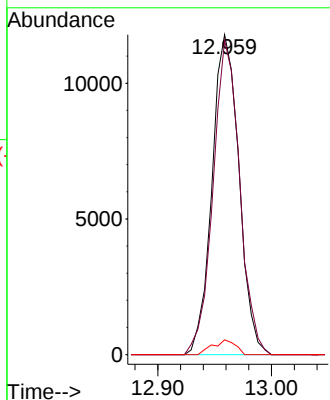
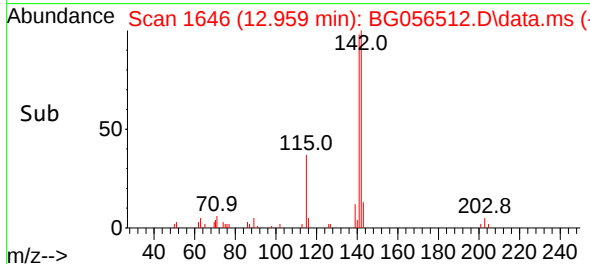
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:142 Resp: 19409  
Ion Ratio Lower Upper  
142 100  
141 98.2 77.7 116.5  
116 4.6 3.4 5.2

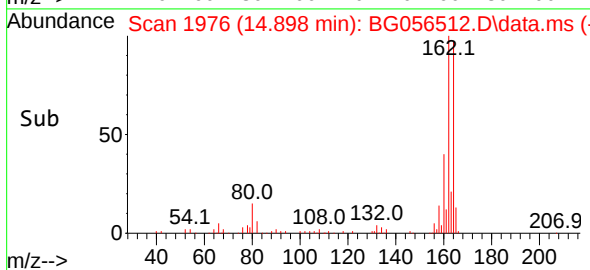
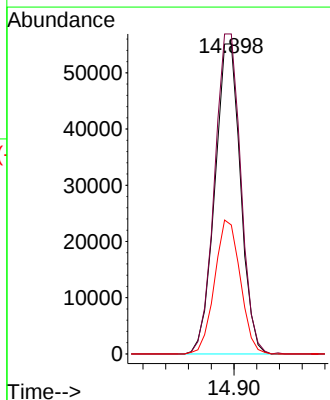
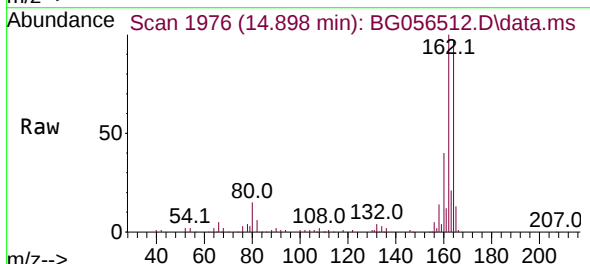
Manual Integrations  
APPROVED

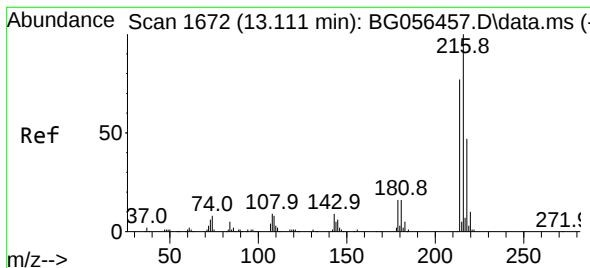
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.898 min Scan# 1976  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Tgt Ion:164 Resp: 86180  
Ion Ratio Lower Upper  
164 100  
162 103.2 79.6 119.4  
160 41.6 34.9 52.3





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.993 ng

RT: 13.106 min Scan# 1671

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:216 Resp: 15720

Ion Ratio Lower Upper

216 100

214 78.7 63.0 94.6

179 19.4 14.1 21.1

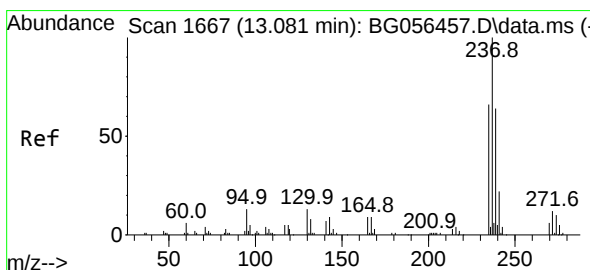
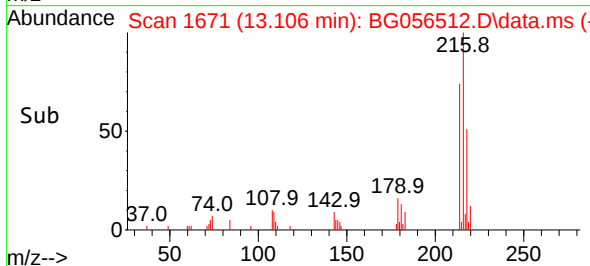
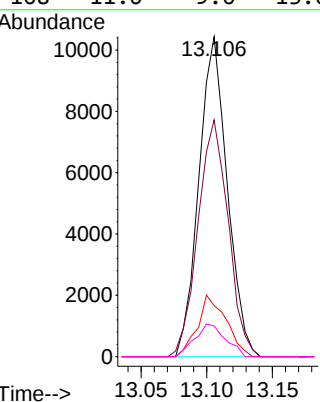
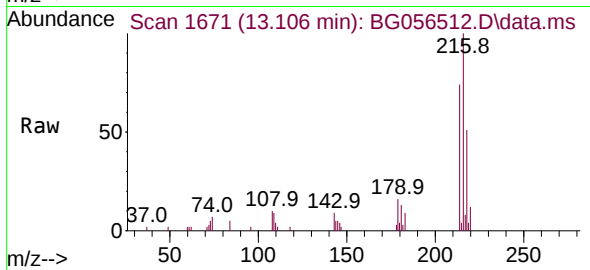
108 11.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#41

Hexachlorocyclopentadiene

Concen: 8.121 ng

RT: 13.076 min Scan# 1666

Delta R.T. -0.005 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

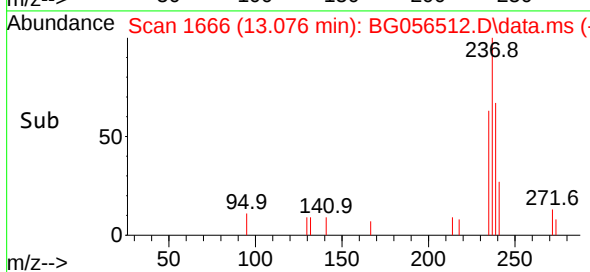
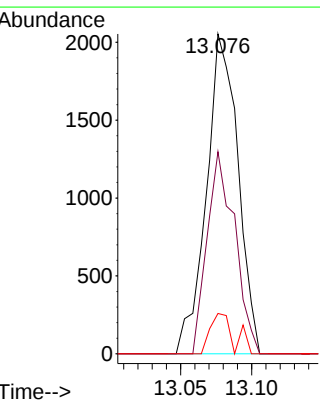
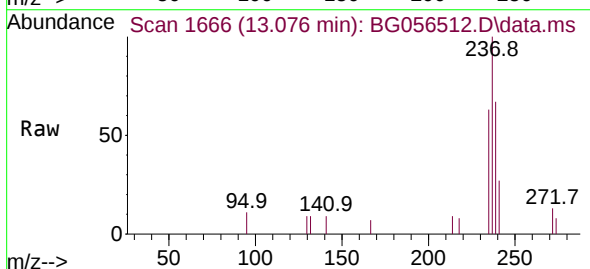
Tgt Ion:237 Resp: 3172

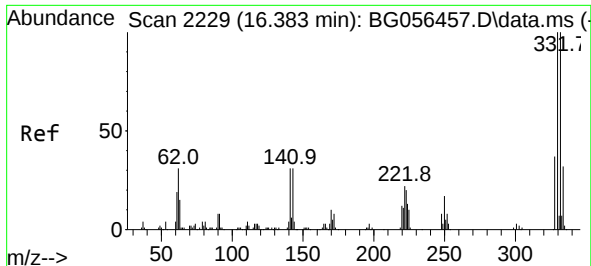
Ion Ratio Lower Upper

237 100

235 63.1 45.6 85.6

272 12.6 0.0 32.3





#42

2,4,6-Tribromophenol

Concen: 131.019 ng

RT: 16.378 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:330 Resp: 150110

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.6

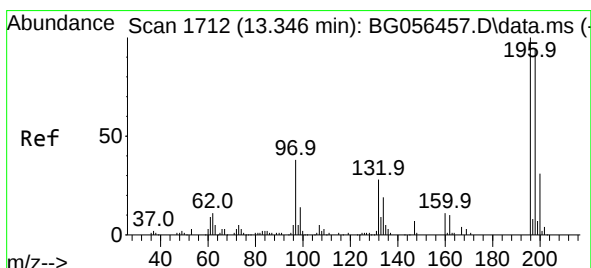
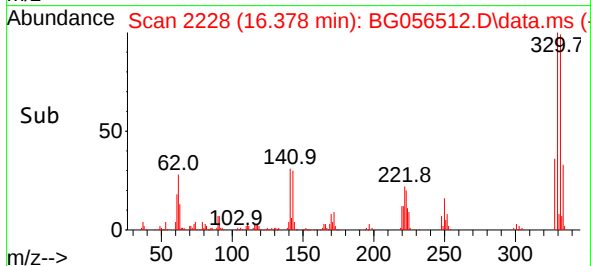
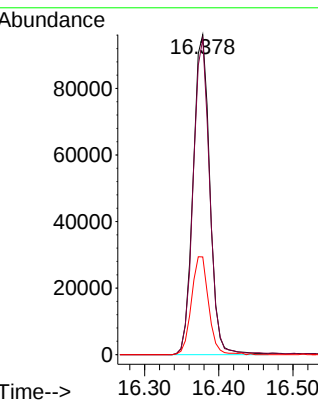
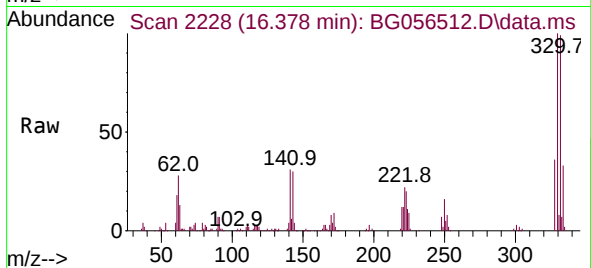
141 31.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#43

2,4,6-Trichlorophenol

Concen: 4.352 ng

RT: 13.341 min Scan# 1711

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

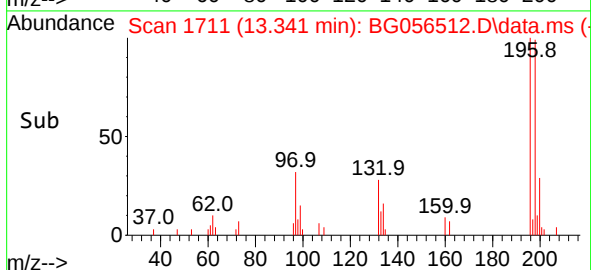
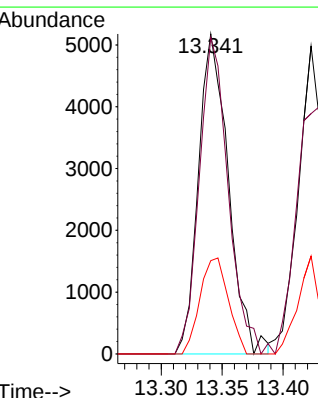
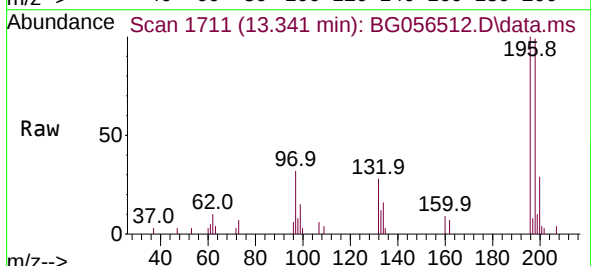
Tgt Ion:196 Resp: 8830

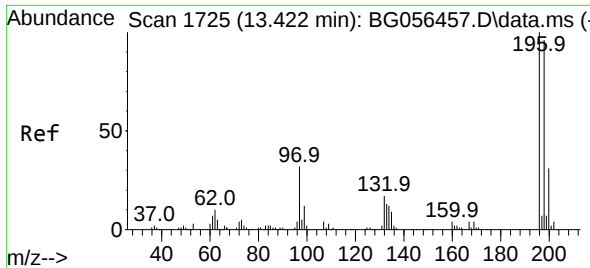
Ion Ratio Lower Upper

196 100

198 98.9 75.4 113.0

200 33.3 25.0 37.6





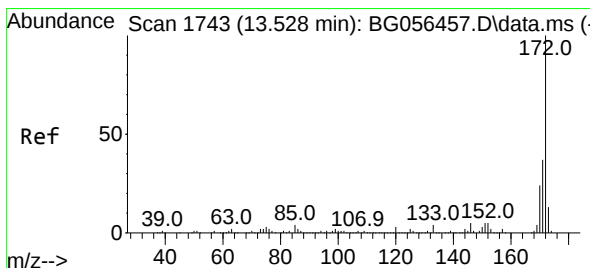
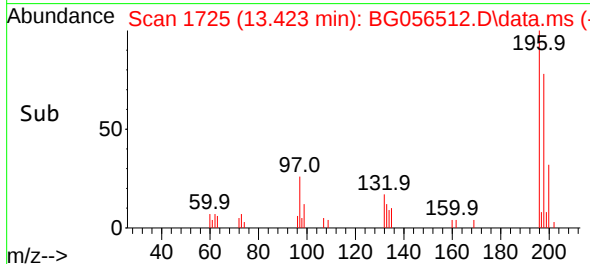
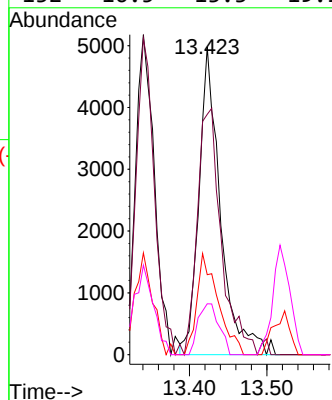
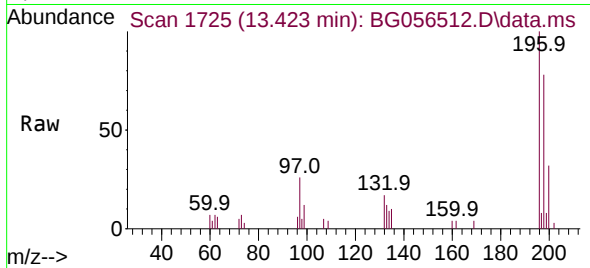
#44  
2,4,5-Trichlorophenol  
Concen: 4.050 ng  
RT: 13.423 min Scan# 1725  
Delta R.T. 0.006 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 9620  |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 78.0  | 76.9  | 115.3 |
| 97        | 26.0  | 25.8  | 38.6  |
| 132       | 16.5  | 13.3  | 19.9  |

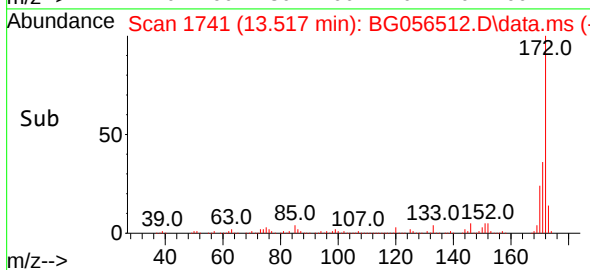
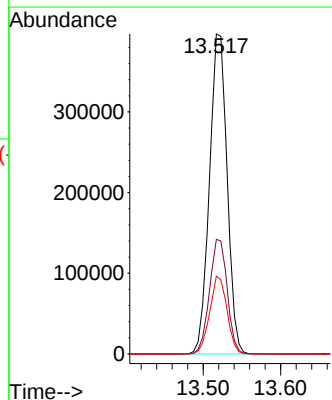
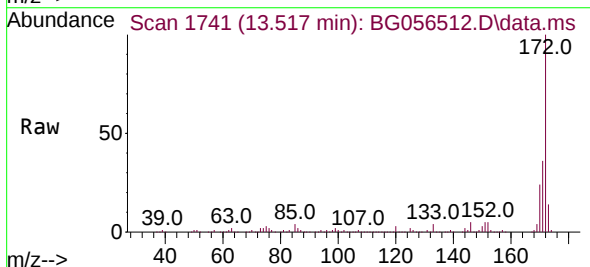
Manual Integrations  
APPROVED

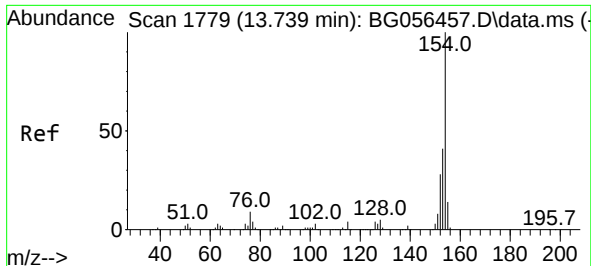
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#45  
2-Fluorobiphenyl  
Concen: 100.912 ng  
RT: 13.517 min Scan# 1741  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 627267 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.8  | 29.5  | 44.3   |
| 170       | 24.3  | 19.2  | 28.8   |





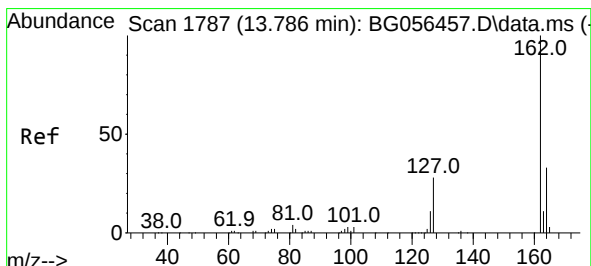
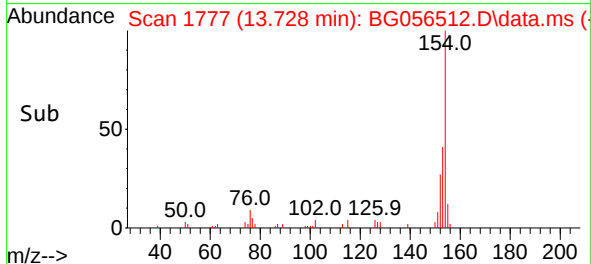
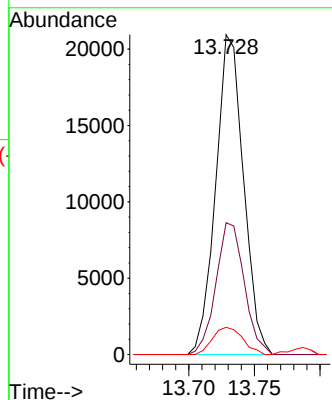
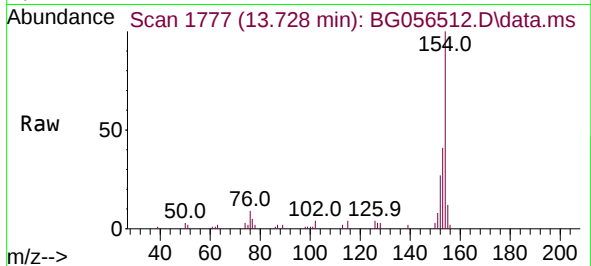
#46  
1,1'-Biphenyl  
Concen: 4.945 ng  
RT: 13.728 min Scan# 1777  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022

Tgt Ion:154 Resp: 30908  
Ion Ratio Lower Upper  
154 100  
153 41.2 21.5 61.5  
76 8.5 0.0 28.8

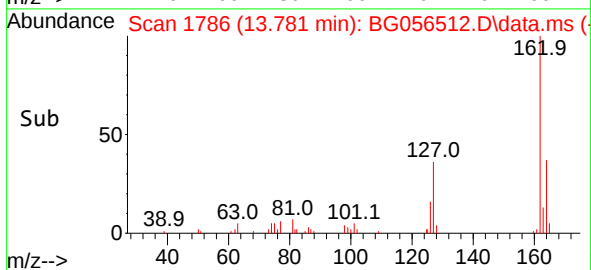
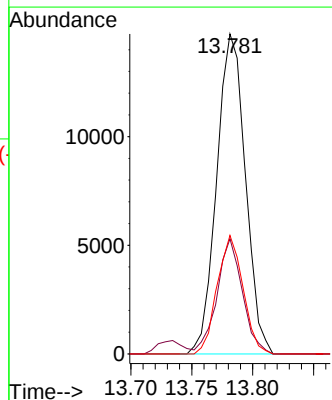
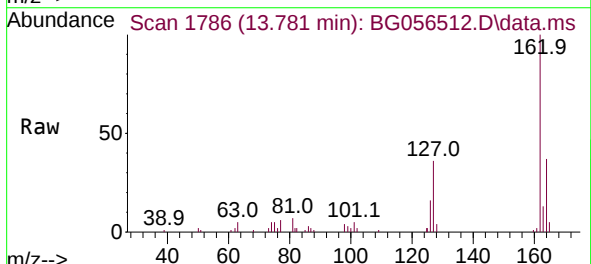
Manual Integrations  
APPROVED

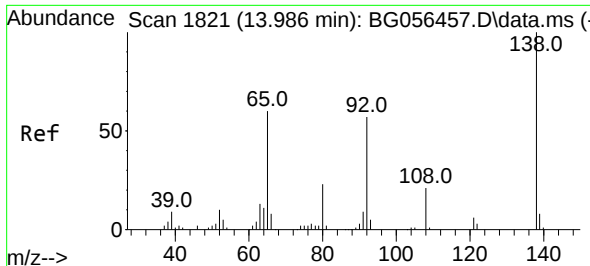
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#47  
2-Chloronaphthalene  
Concen: 4.921 ng  
RT: 13.781 min Scan# 1786  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

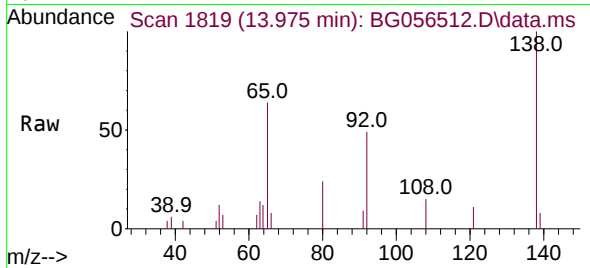
Tgt Ion:162 Resp: 24045  
Ion Ratio Lower Upper  
162 100  
127 36.0 25.2 37.8  
164 37.0 26.2 39.2





#48  
2-Nitroaniline  
Concen: 4.136 ng  
RT: 13.975 min Scan# 1819  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

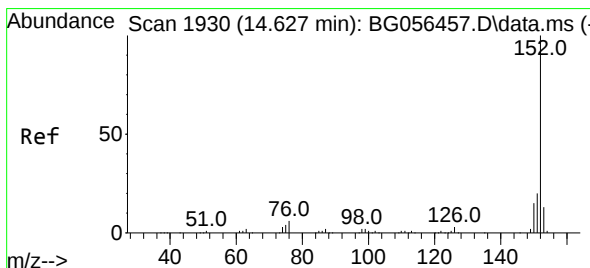
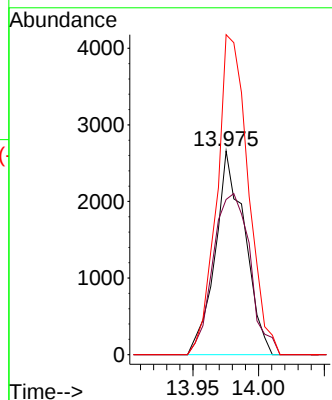
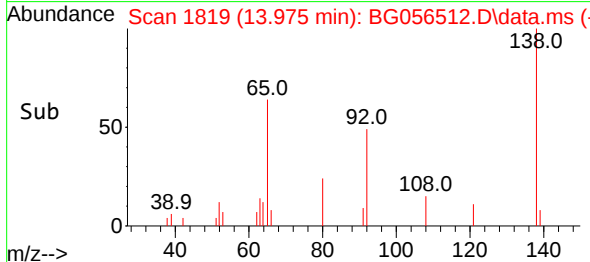
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion: 65 Resp: 4172  
Ion Ratio Lower Upper  
65 100  
92 76.2 75.8 113.6  
138 157.1 133.2 199.8

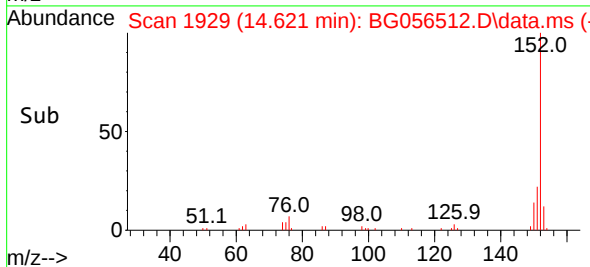
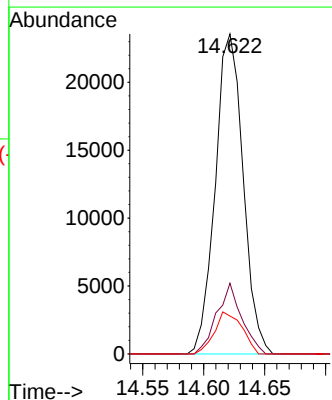
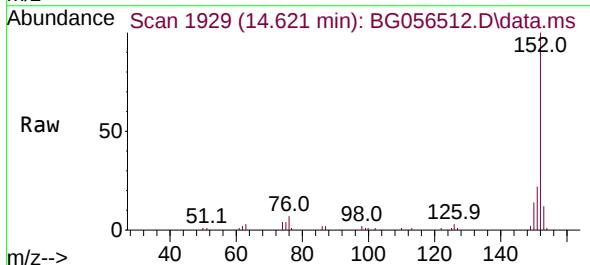
Manual Integrations  
APPROVED

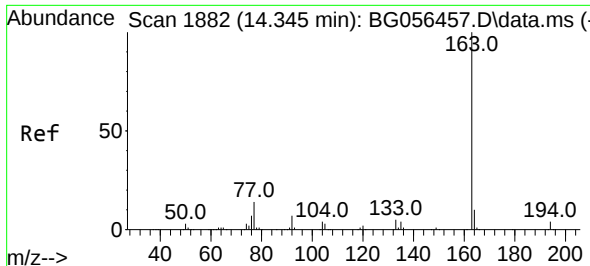
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#49  
Acenaphthylene  
Concen: 4.704 ng  
RT: 14.621 min Scan# 1929  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

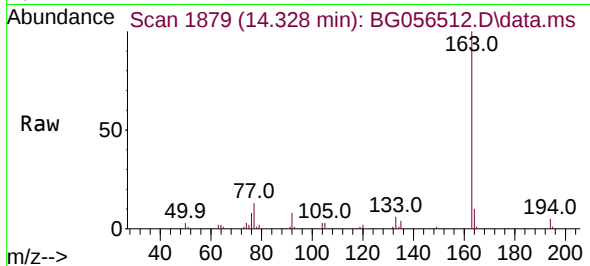
Tgt Ion:152 Resp: 37394  
Ion Ratio Lower Upper  
152 100  
151 22.1 15.9 23.9  
153 11.8 10.5 15.7





#50  
Dimethylphthalate  
Concen: 4.863 ng  
RT: 14.328 min Scan# 1882  
Delta R.T. -0.011 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

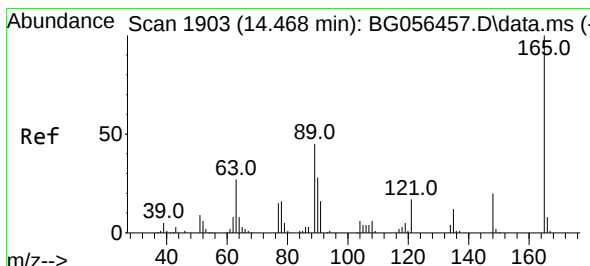
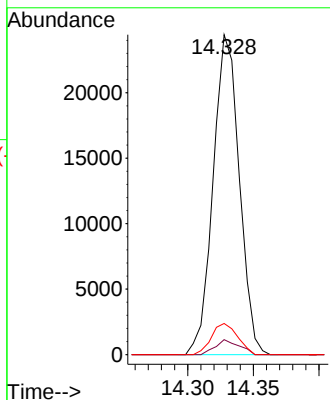
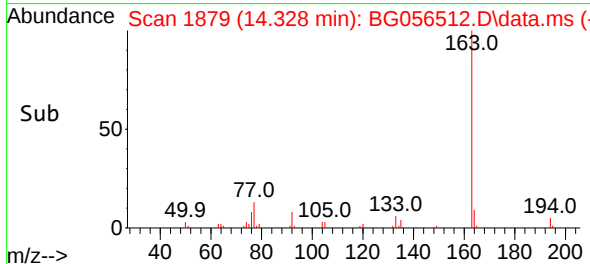
Instrument : BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



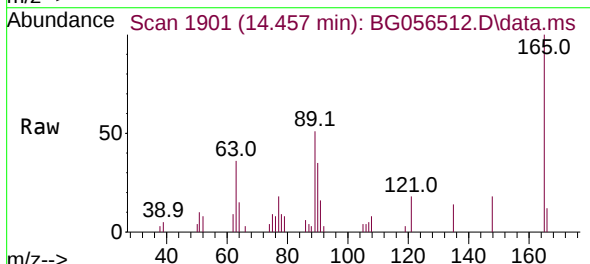
Tgt Ion:163 Resp: 33905  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.5 5.3  
164 9.7 8.1 12.1

Manual Integrations  
APPROVED

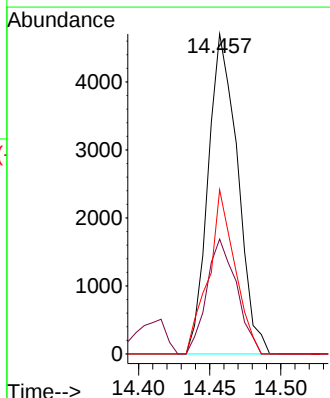
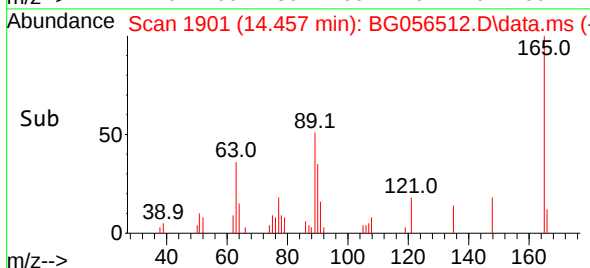
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

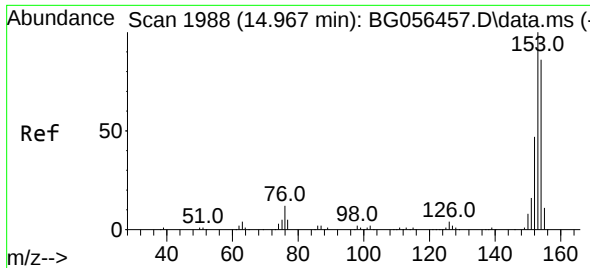


#51  
2,6-Dinitrotoluene  
Concen: 4.462 ng  
RT: 14.457 min Scan# 1901  
Delta R.T. -0.011 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



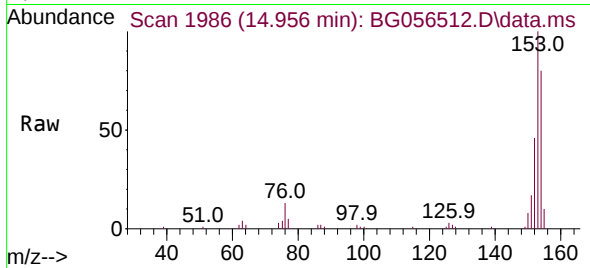
Tgt Ion:165 Resp: 6784  
Ion Ratio Lower Upper  
165 100  
63 35.9 26.9 40.3  
89 51.3 35.6 53.4





#52  
Acenaphthene  
Concen: 4.638 ng  
RT: 14.956 min Scan# 1986  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

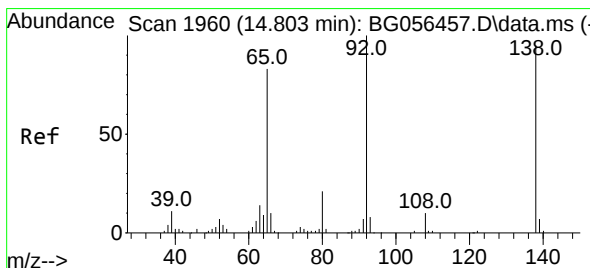
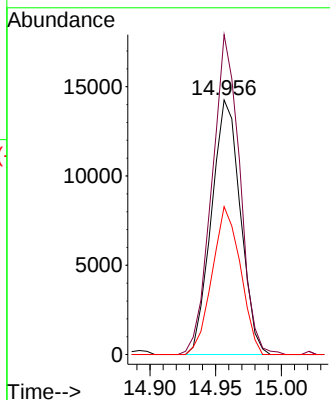
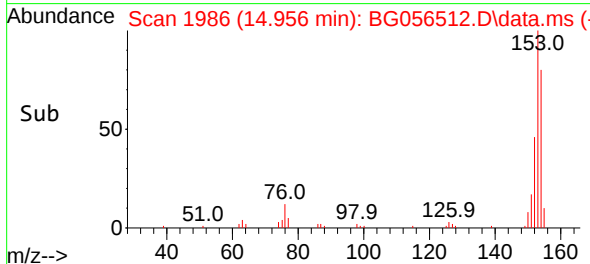
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:154 Resp: 2186  
Ion Ratio Lower Upper  
154 100  
153 125.6 93.4 140.0  
152 58.1 43.4 65.2

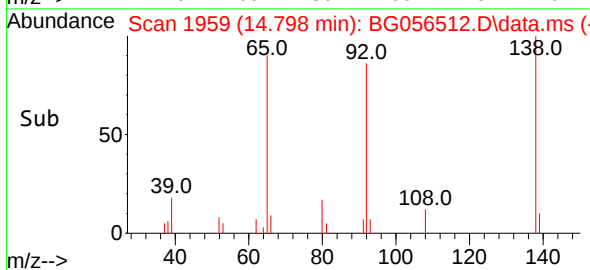
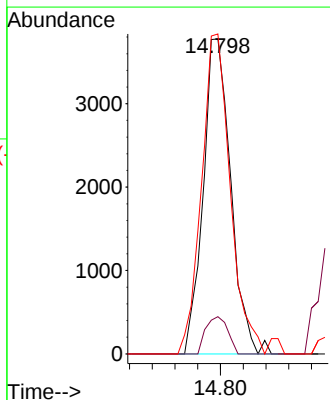
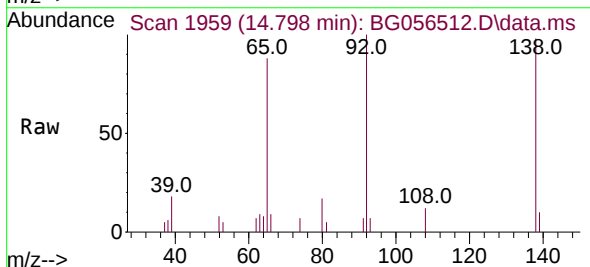
Manual Integrations  
APPROVED

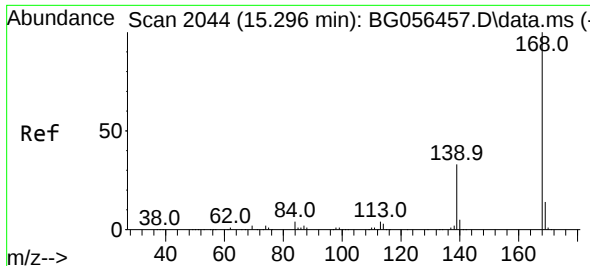
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#53  
3-Nitroaniline  
Concen: 4.315 ng  
RT: 14.798 min Scan# 1959  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

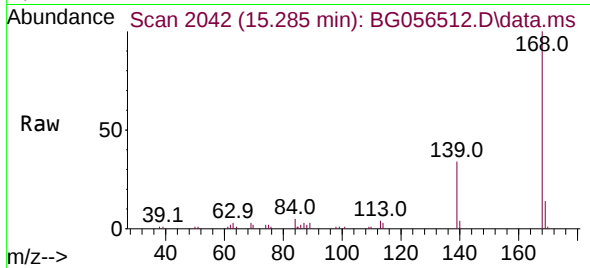
Tgt Ion:138 Resp: 6360  
Ion Ratio Lower Upper  
138 100  
108 11.8 8.0 12.0  
92 101.6 84.1 126.1





#55  
Dibenzofuran  
Concen: 4.943 ng  
RT: 15.285 min Scan# 2044  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

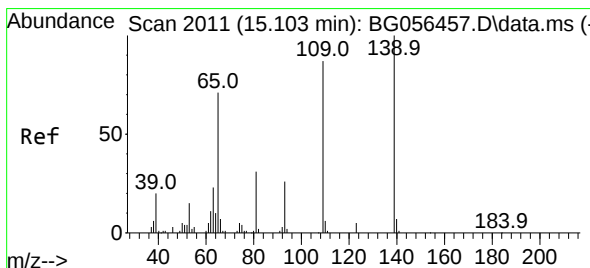
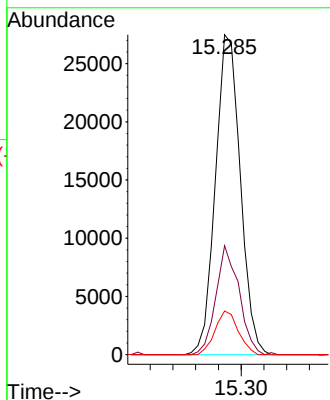
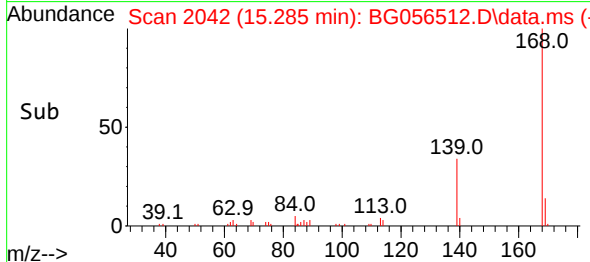
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



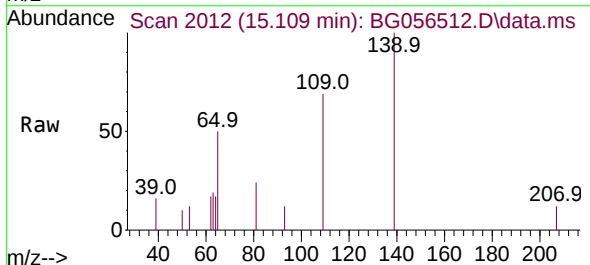
Tgt Ion:168 Resp: 41791  
Ion Ratio Lower Upper  
168 100  
139 34.0 26.2 39.2  
169 13.6 11.0 16.6

Manual Integrations  
APPROVED

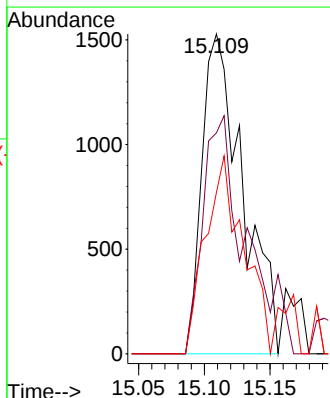
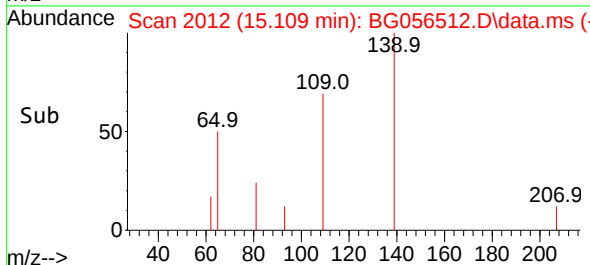
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

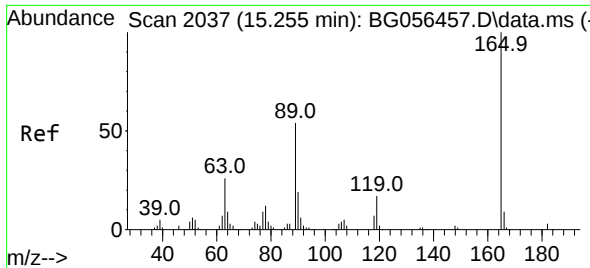


#56  
4-Nitrophenol  
Concen: 3.262 ng  
RT: 15.109 min Scan# 2012  
Delta R.T. 0.012 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



Tgt Ion:139 Resp: 3286  
Ion Ratio Lower Upper  
139 100  
109 69.1 67.5 107.5  
65 50.5 50.7 90.7#





#57

2,4-Dinitrotoluene

Concen: 4.491 ng

RT: 15.250 min Scan# 2037

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

Instrument :

BNA\_G

ClientSampleId :

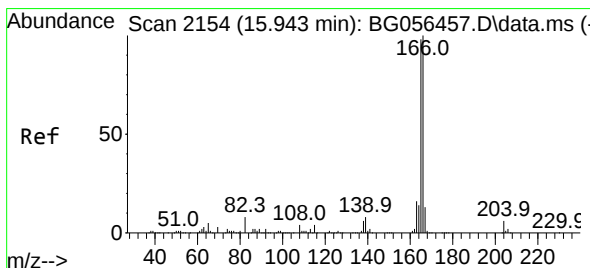
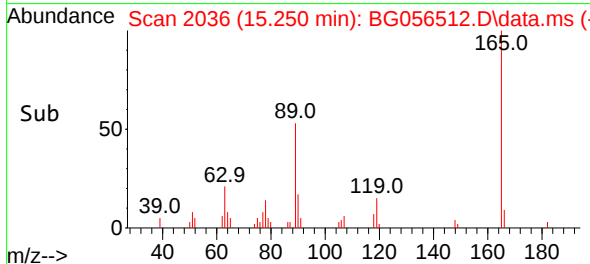
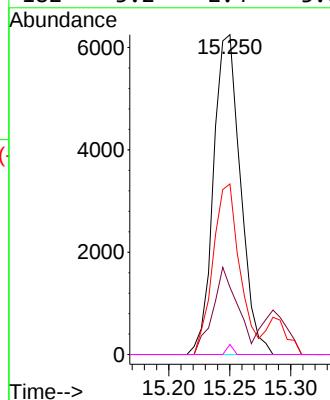
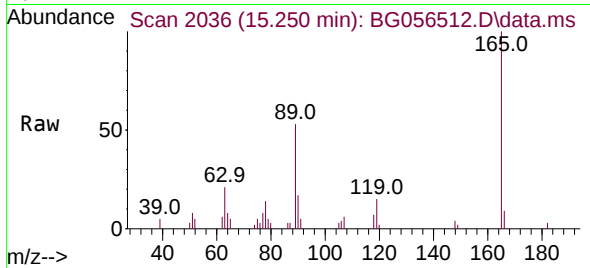
MDL-WATER-03-QT4-2022

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 165   | Resp: | 9618 |
| Ion Ratio | Lower | Upper |      |
| 165       | 100   |       |      |
| 63        | 21.0  | 20.6  | 31.0 |
| 89        | 53.3  | 43.1  | 64.7 |
| 182       | 3.2   | 2.4   | 3.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#58

Fluorene

Concen: 4.818 ng

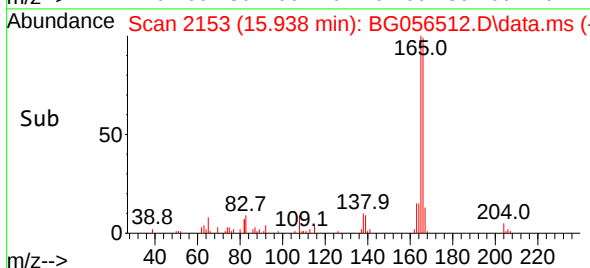
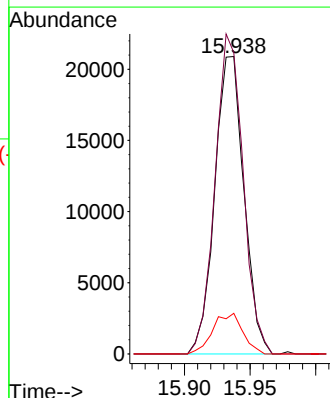
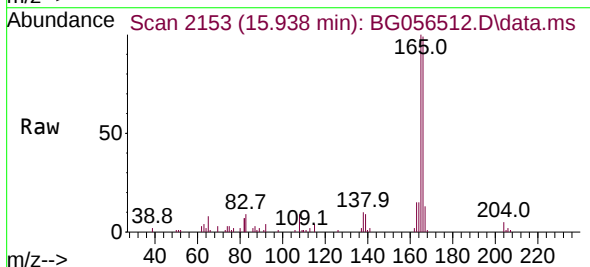
RT: 15.938 min Scan# 2153

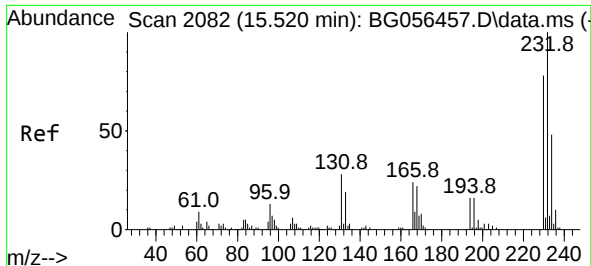
Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 32408 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 101.3 | 78.8  | 118.2 |
| 167       | 13.6  | 10.6  | 15.8  |





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.933 ng

RT: 15.515 min Scan# 2081

Delta R.T. 0.001 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

Instrument :

BNA\_G

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:232 Resp: 8306

Ion Ratio Lower Upper

232 100

131 25.6 22.8 34.2

130 1.3 1.4 2.0

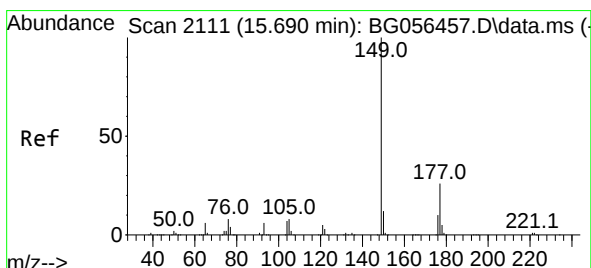
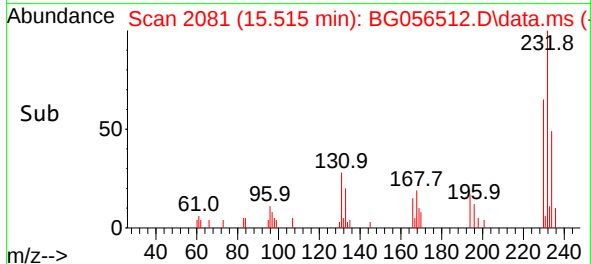
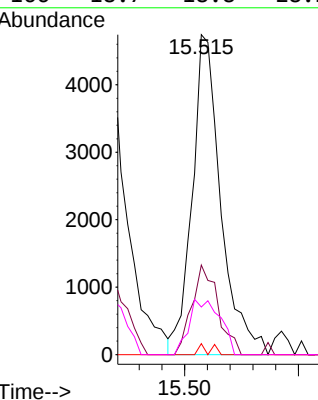
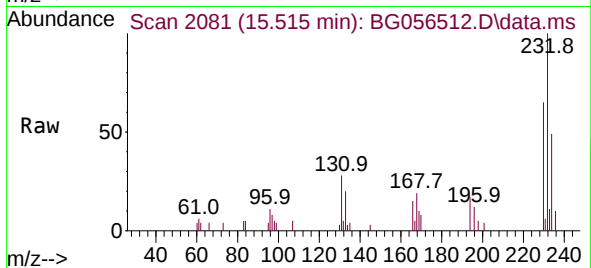
166 18.7 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#60

Diethylphthalate

Concen: 4.789 ng

RT: 15.679 min Scan# 2109

Delta R.T. -0.005 min

Lab File: BG056512.D

Acq: 2 Feb 2023 13:19

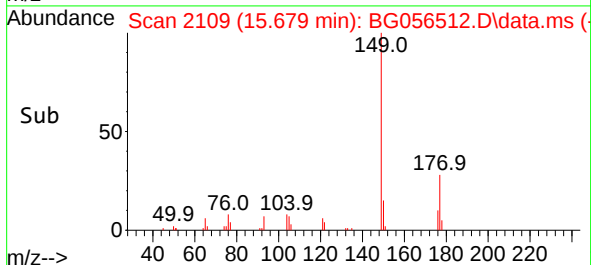
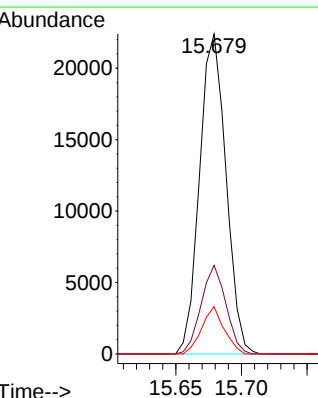
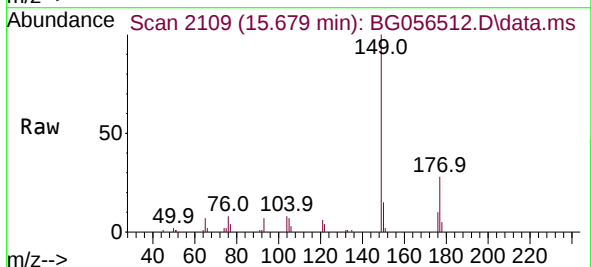
Tgt Ion:149 Resp: 31354

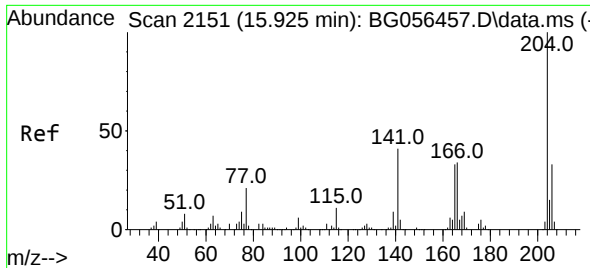
Ion Ratio Lower Upper

149 100

177 27.7 21.0 31.4

150 14.8 9.9 14.9





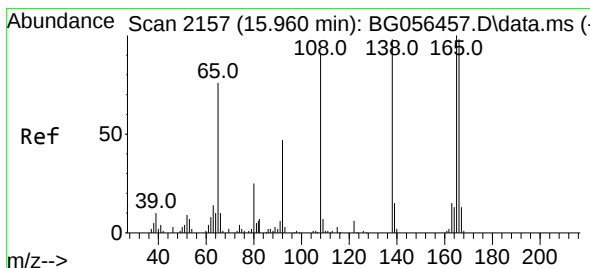
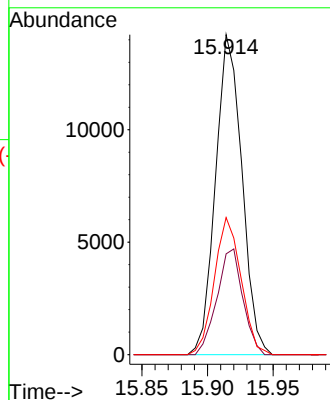
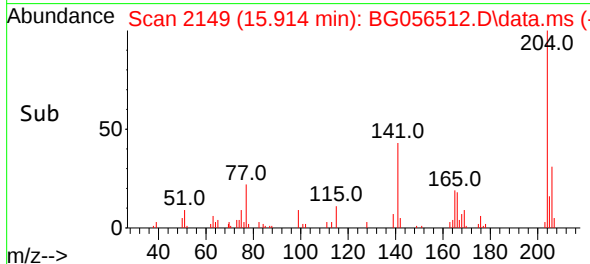
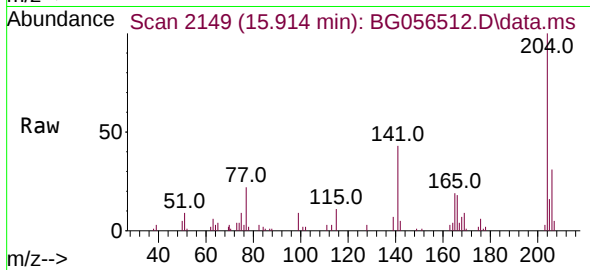
#61  
4-Chlorophenyl-phenylether  
Concen: 4.840 ng  
RT: 15.914 min Scan# 2149  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion:204 Resp: 1986  
Ion Ratio Lower Upper  
204 100  
206 31.5 26.2 39.4  
141 42.8 32.7 49.1

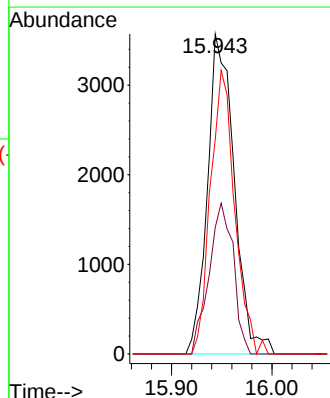
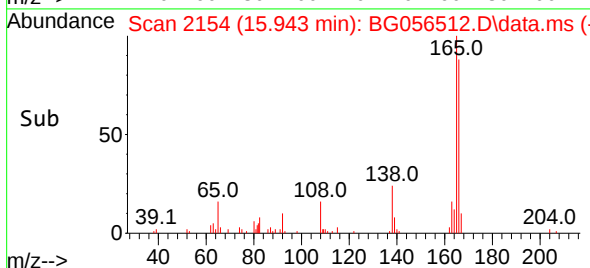
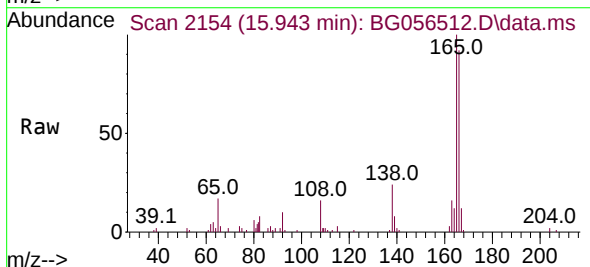
Manual Integrations  
APPROVED

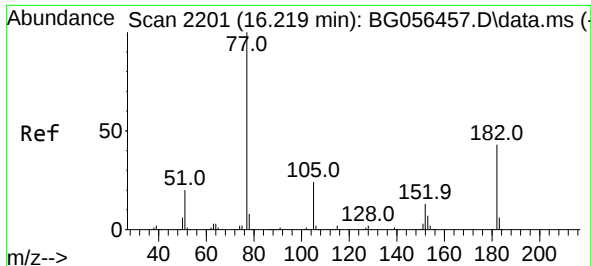
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#62  
4-Nitroaniline  
Concen: 4.483 ng  
RT: 15.943 min Scan# 2154  
Delta R.T. -0.017 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

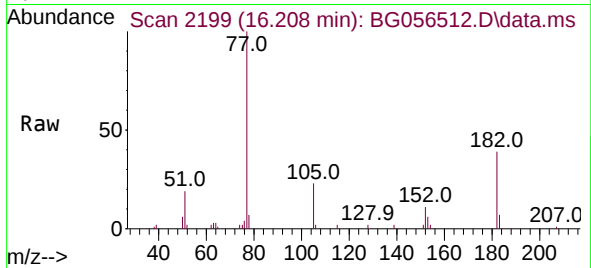
Tgt Ion:138 Resp: 6613  
Ion Ratio Lower Upper  
138 100  
92 39.5 27.8 67.8  
108 66.9 72.6 112.6#





#63  
Azobenzene  
Concen: 4.957 ng  
RT: 16.208 min Scan# 2199  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

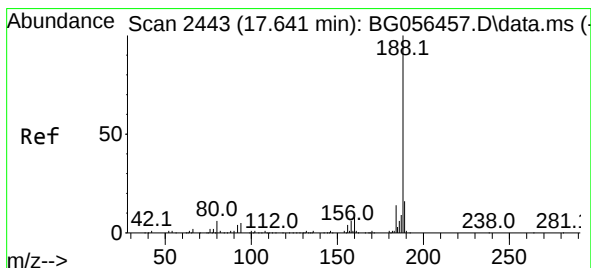
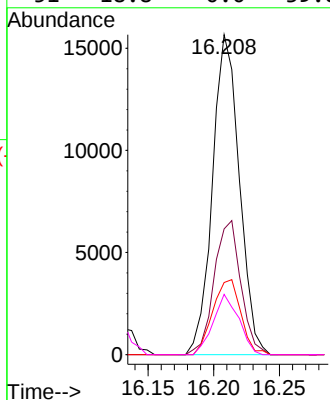
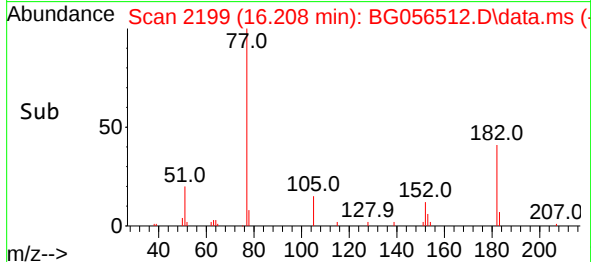
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



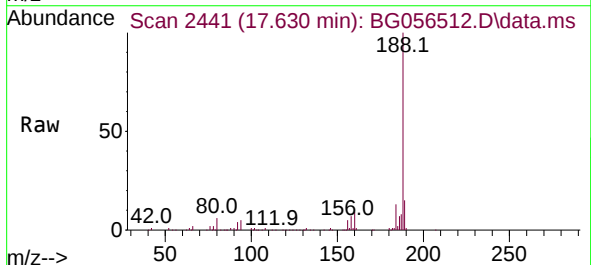
Tgt Ion: 77 Resp: 2233  
Ion Ratio Lower Upper  
77 100  
182 39.3 23.1 63.1  
105 22.5 4.2 44.2  
51 18.8 0.0 39.8

Manual Integrations  
APPROVED

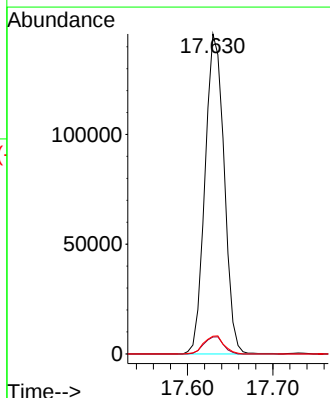
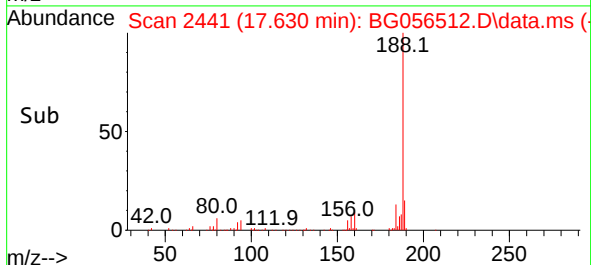
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

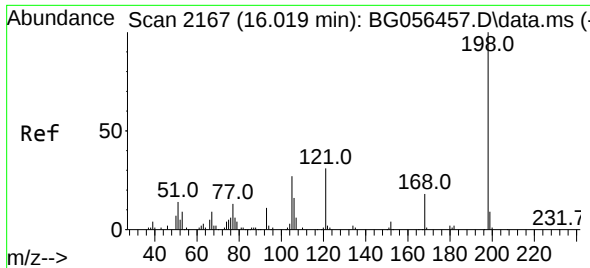


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.630 min Scan# 2441  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



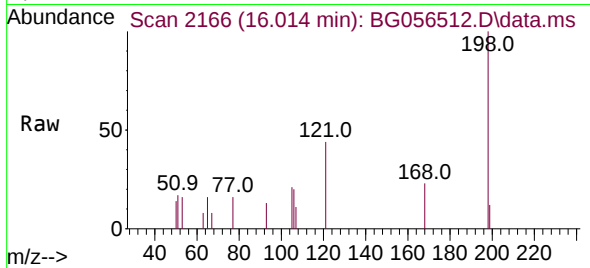
Tgt Ion:188 Resp: 226771  
Ion Ratio Lower Upper  
188 100  
94 5.3 4.1 6.1  
80 5.5 5.0 7.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.794 ng  
RT: 16.014 min Scan# 2166  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

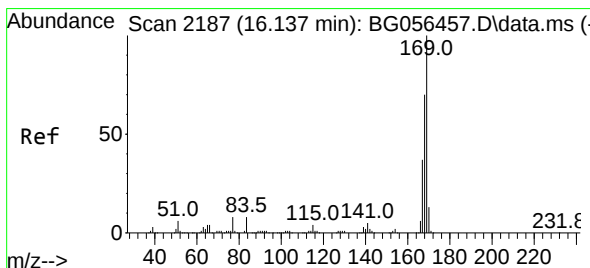
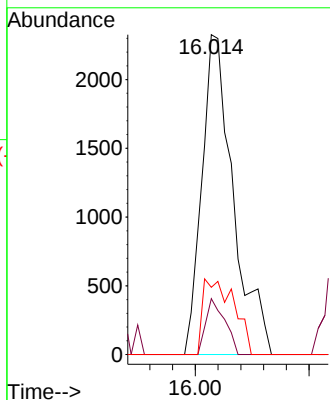
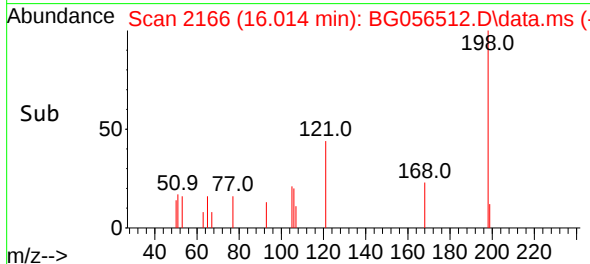
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



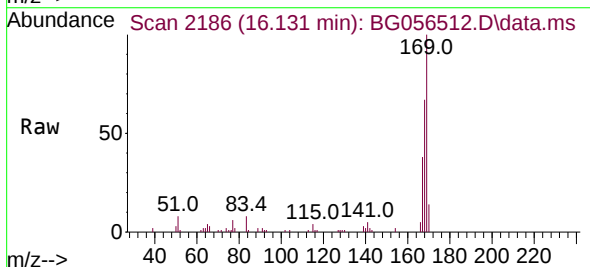
Tgt Ion:198 Resp: 4458  
Ion Ratio Lower Upper  
198 100  
51 17.5 0.0 35.0  
105 21.0 7.4 47.4

Manual Integrations  
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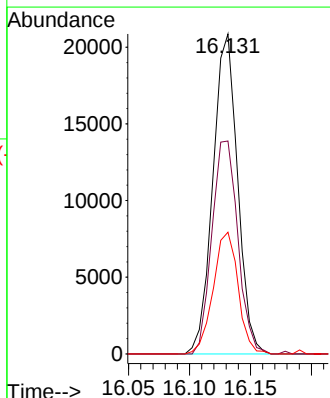
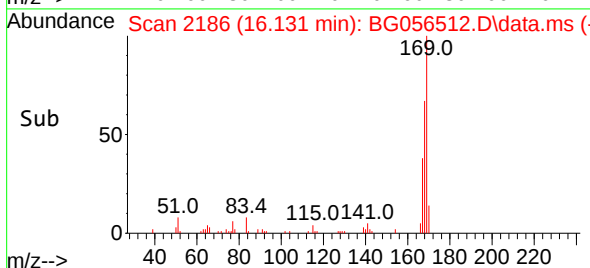
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

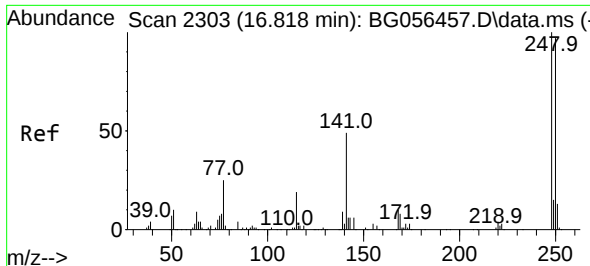


#66  
n-Nitrosodiphenylamine  
Concen: 4.578 ng  
RT: 16.131 min Scan# 2186  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



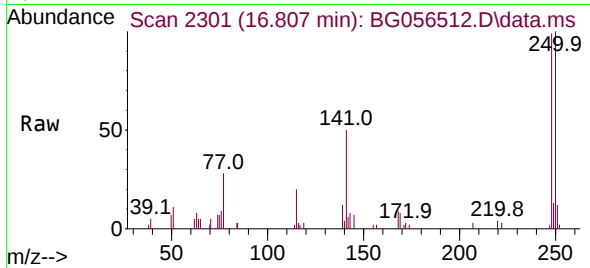
Tgt Ion:169 Resp: 29396  
Ion Ratio Lower Upper  
169 100  
168 66.5 55.8 83.6  
167 38.0 29.8 44.8





#67  
4-Bromophenyl-phenylether  
Concen: 4.541 ng  
RT: 16.807 min Scan# 2303  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

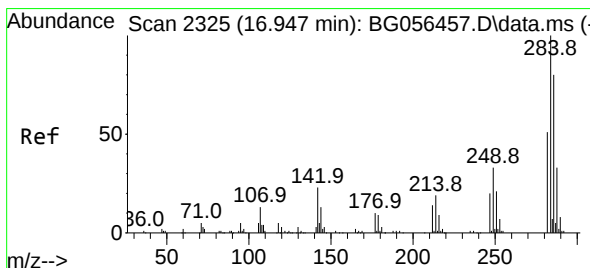
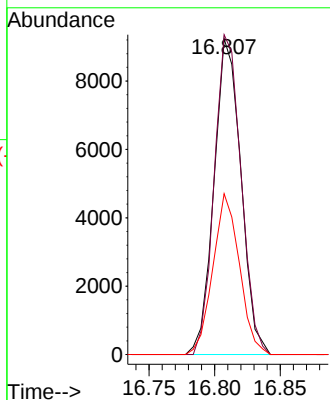
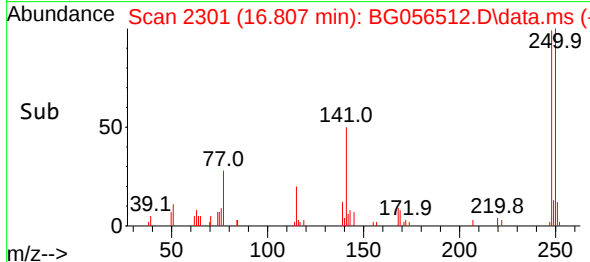
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



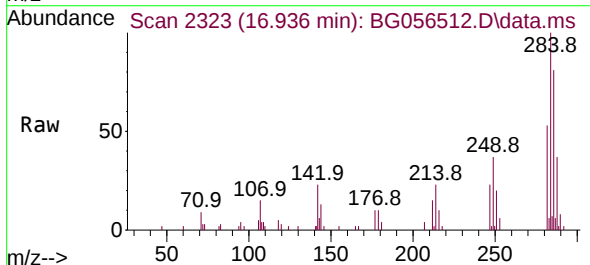
Tgt Ion:248 Resp: 13184  
Ion Ratio Lower Upper  
248 100  
250 101.3 77.6 116.4  
141 50.9 39.0 58.4

Manual Integrations  
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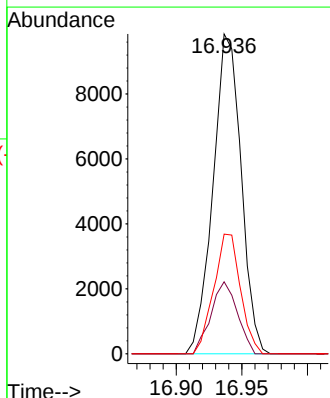
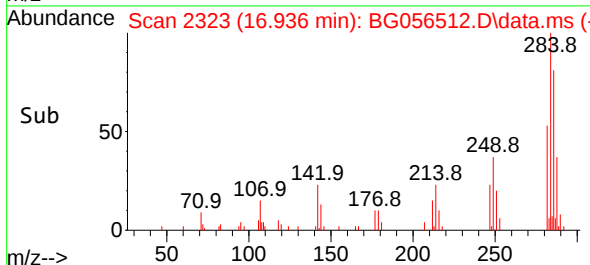
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

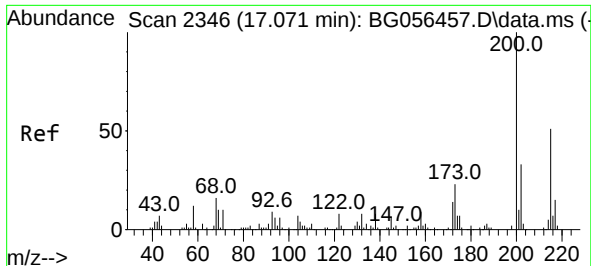


#68  
Hexachlorobenzene  
Concen: 5.154 ng  
RT: 16.936 min Scan# 2323  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



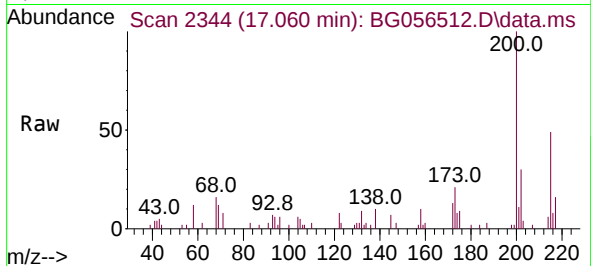
Tgt Ion:284 Resp: 14654  
Ion Ratio Lower Upper  
284 100  
142 22.5 18.0 27.0  
249 39.7 26.7 40.1





#69  
 Atrazine  
 Concen: 5.164 ng  
 RT: 17.060 min Scan# 2344  
 Delta R.T. -0.011 min  
 Lab File: BG056512.D  
 Acq: 2 Feb 2023 13:19

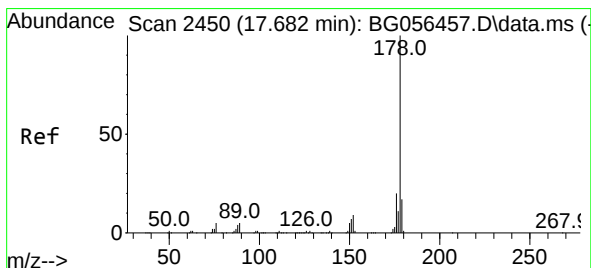
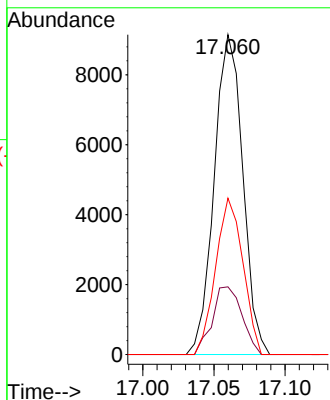
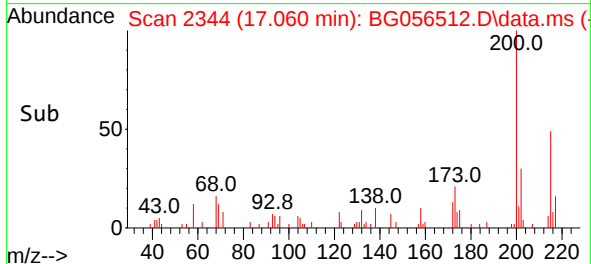
Instrument : BNA\_G  
 ClientSampleId : MDL-WATER-03-QT4-2022



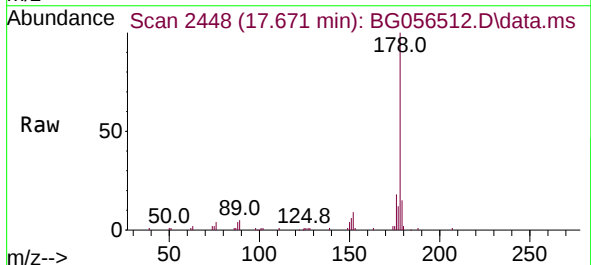
Tgt Ion:200 Resp: 12791  
 Ion Ratio Lower Upper  
 200 100  
 173 21.2 3.2 43.2  
 215 48.9 30.7 70.7

Manual Integrations  
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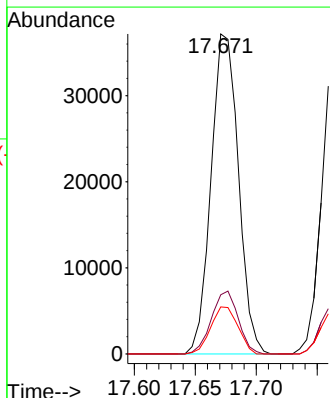
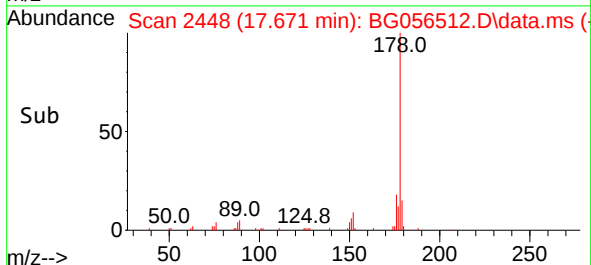
Reviewed By :Christian Giraldo 02/03/2023  
 Supervised By :Jagrut Upadhyay 02/03/2023

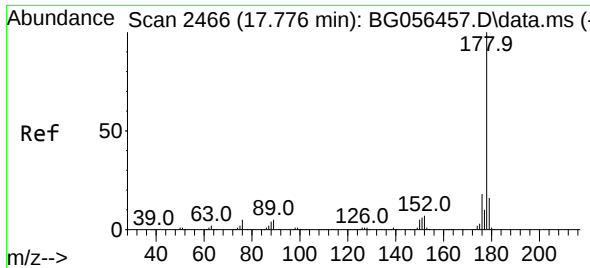


#71  
 Phenanthrene  
 Concen: 4.890 ng  
 RT: 17.671 min Scan# 2448  
 Delta R.T. -0.005 min  
 Lab File: BG056512.D  
 Acq: 2 Feb 2023 13:19



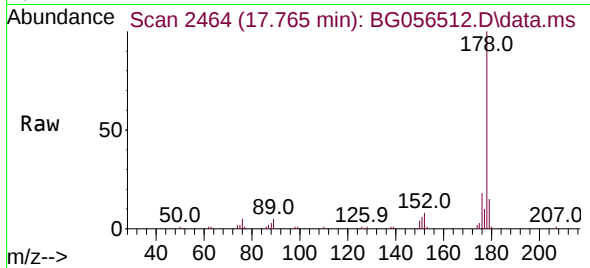
Tgt Ion:178 Resp: 58036  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.6 23.4  
 179 14.7 13.3 19.9





#72  
 Anthracene  
 Concen: 4.783 ng  
 RT: 17.765 min Scan# 2466  
 Delta R.T. -0.005 min  
 Lab File: BG056512.D  
 Acq: 2 Feb 2023 13:19

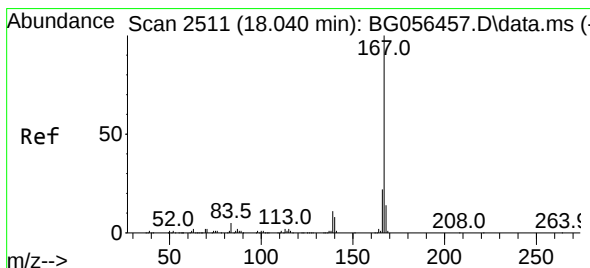
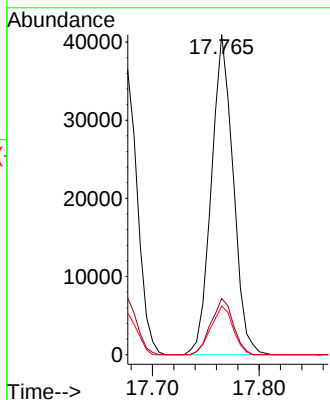
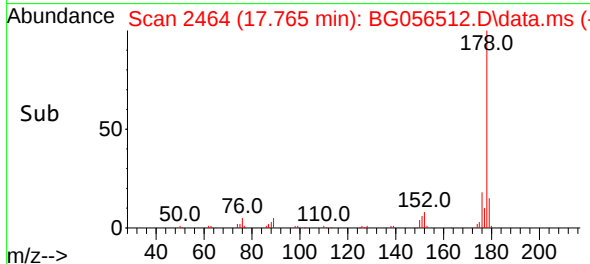
Instrument : BNA\_G  
 ClientSampleId : MDL-WATER-03-QT4-2022



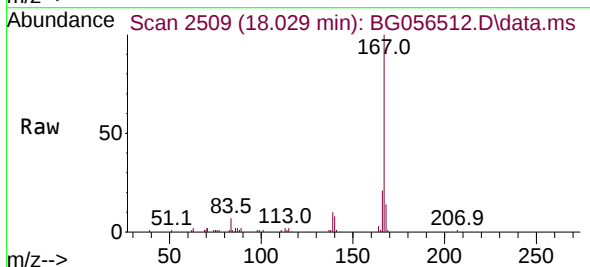
Tgt Ion:178 Resp: 58269  
 Ion Ratio Lower Upper  
 178 100  
 176 17.5 14.5 21.7  
 179 15.2 12.5 18.7

Manual Integrations  
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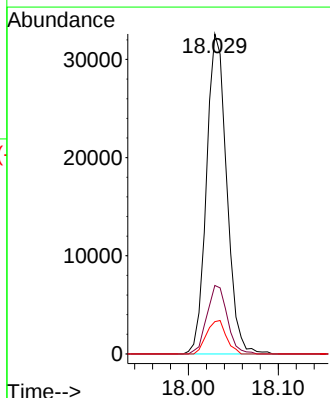
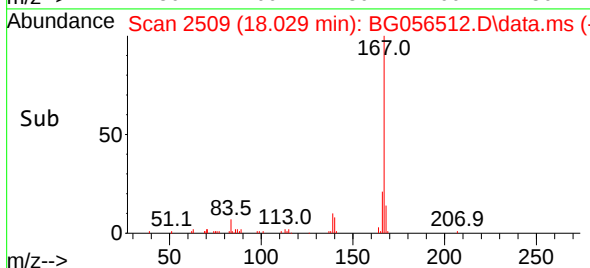
Reviewed By :Christian Giraldo 02/03/2023  
 Supervised By :Jagrut Upadhyay 02/03/2023

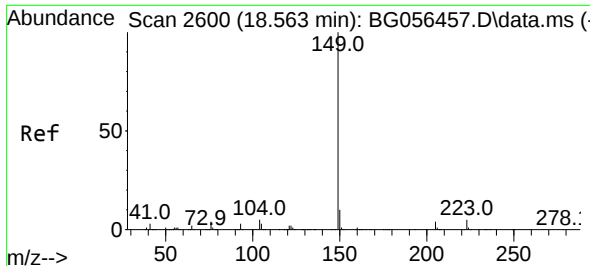


#73  
 Carbazole  
 Concen: 4.898 ng  
 RT: 18.029 min Scan# 2509  
 Delta R.T. -0.005 min  
 Lab File: BG056512.D  
 Acq: 2 Feb 2023 13:19



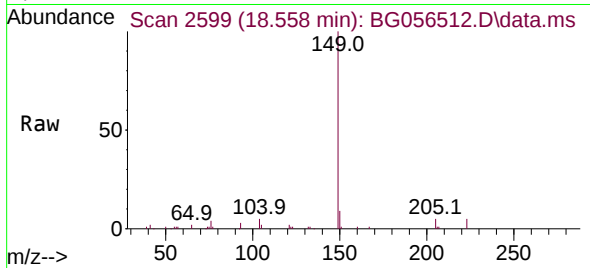
Tgt Ion:167 Resp: 50822  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.8 26.6  
 139 10.1 8.9 13.3





#74  
Di-n-butylphthalate  
Concen: 4.550 ng  
RT: 18.558 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

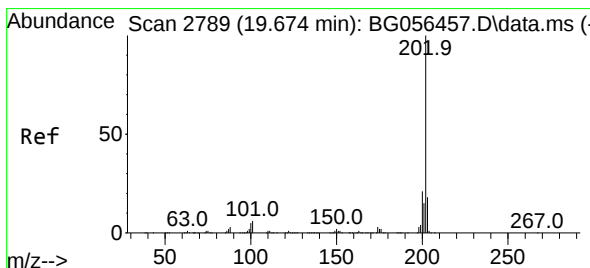
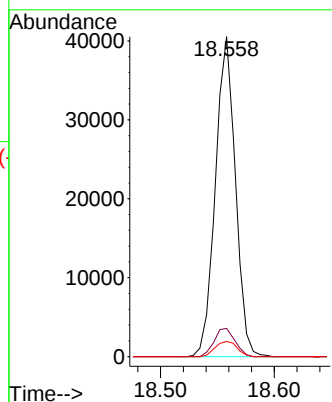
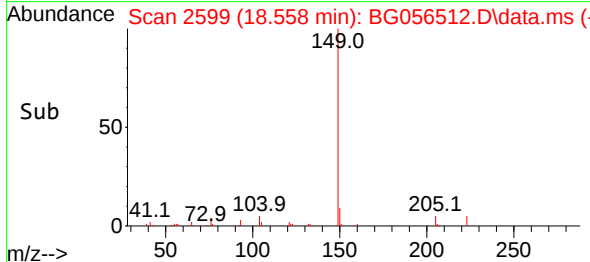
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



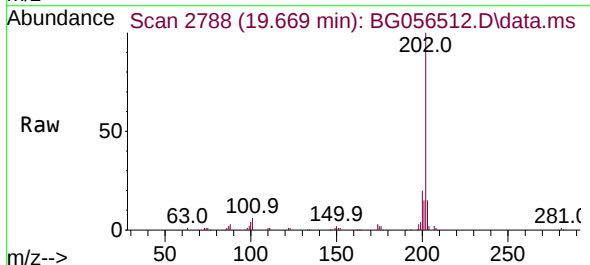
Tgt Ion:149 Resp: 49575  
Ion Ratio Lower Upper  
149 100  
150 8.8 7.8 11.6  
104 4.7 4.0 6.0

Manual Integrations  
APPROVED

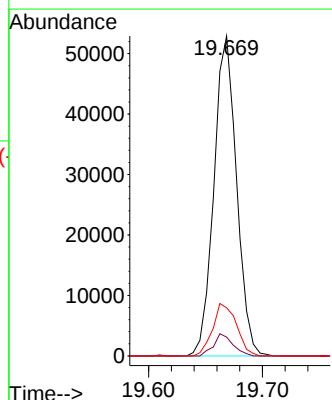
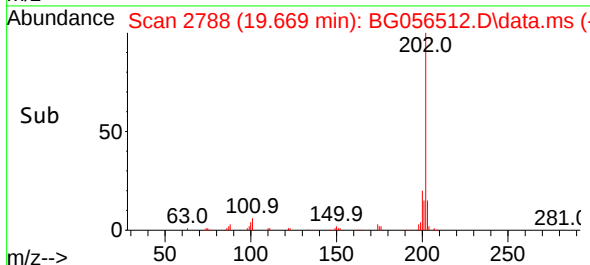
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

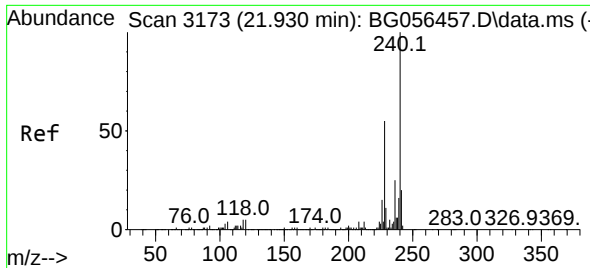


#75  
Fluoranthene  
Concen: 4.885 ng  
RT: 19.669 min Scan# 2788  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



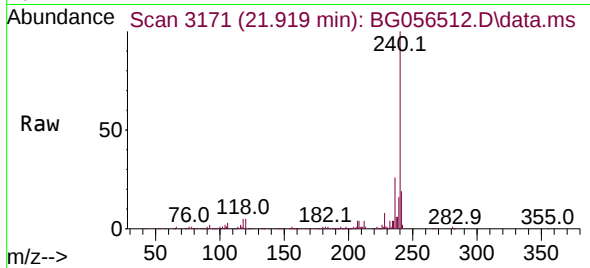
Tgt Ion:202 Resp: 73177  
Ion Ratio Lower Upper  
202 100  
101 5.9 0.0 25.6  
203 15.0 0.0 38.1





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.919 min Scan# 3171  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

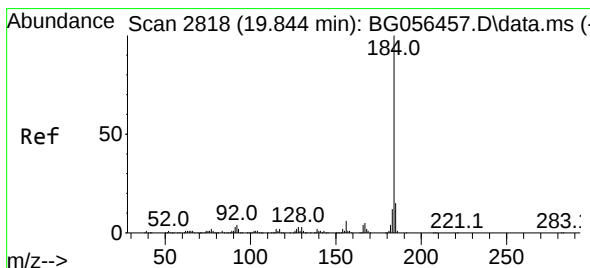
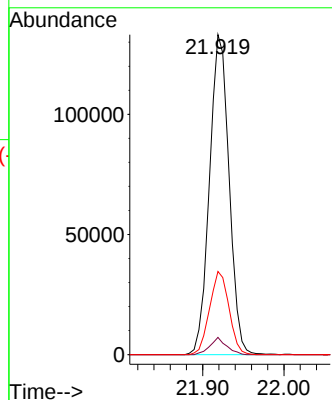
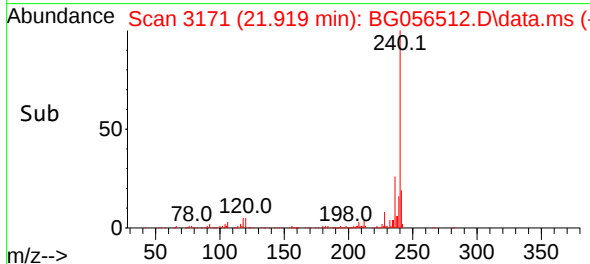
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



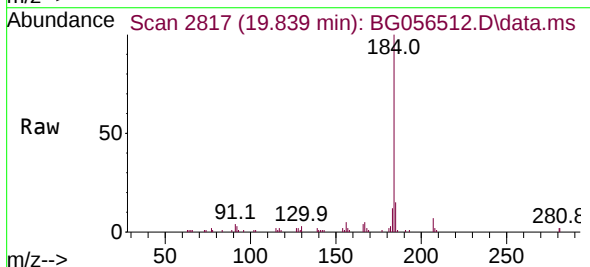
Tgt Ion:240 Resp: 223079  
Ion Ratio Lower Upper  
240 100  
120 5.4 3.8 5.8  
236 26.0 20.2 30.2

Manual Integrations  
APPROVED

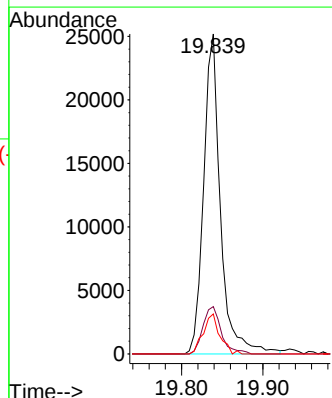
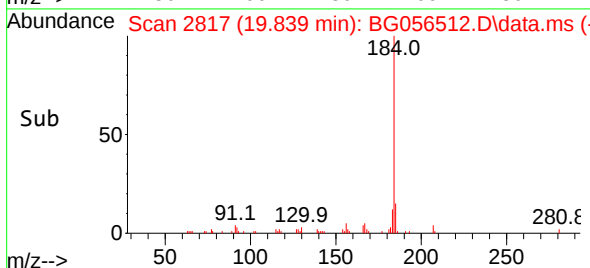
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

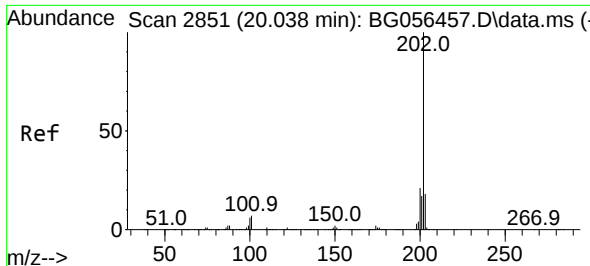


#77  
Benzidine  
Concen: 6.006 ng  
RT: 19.839 min Scan# 2817  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



Tgt Ion:184 Resp: 36259  
Ion Ratio Lower Upper  
184 100  
185 14.8 12.3 18.5  
183 12.5 9.8 14.8





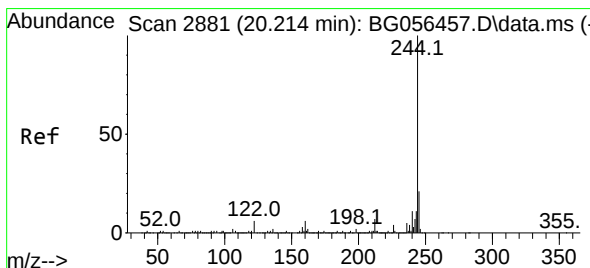
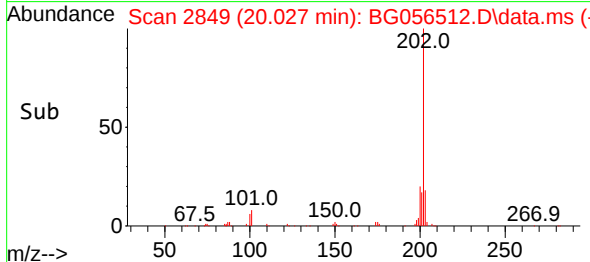
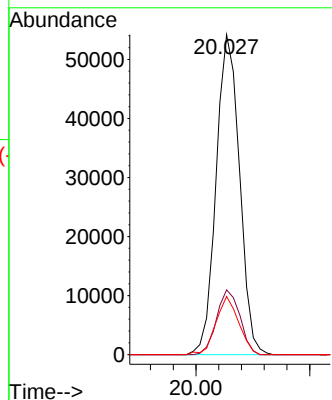
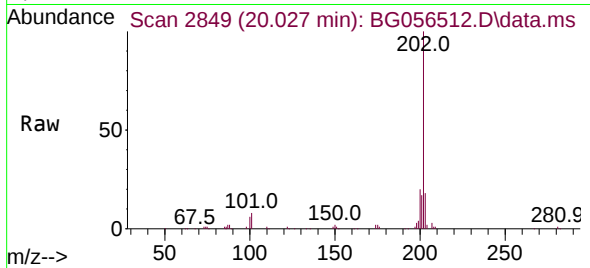
#78  
Pyrene  
Concen: 4.878 ng  
RT: 20.027 min Scan# 2849  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022

Tgt Ion:202 Resp: 77393  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.7 25.1  
203 18.2 14.4 21.6

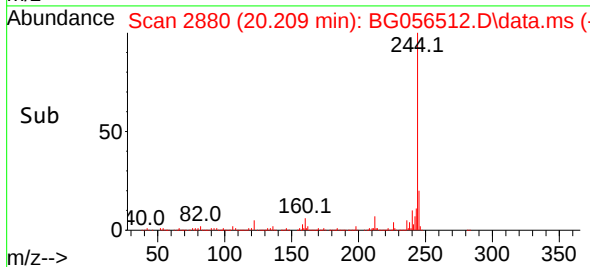
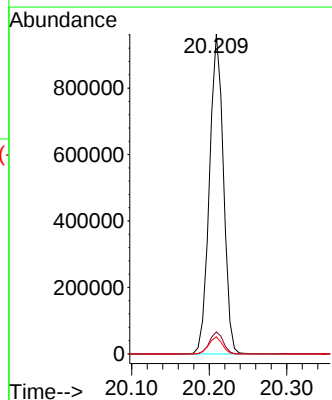
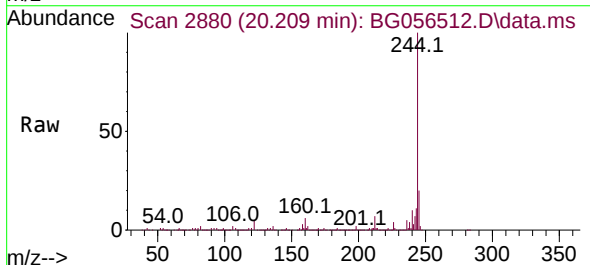
Manual Integrations  
APPROVED

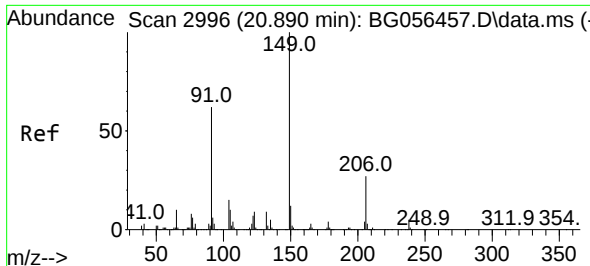
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#79  
Terphenyl-d14  
Concen: 94.760 ng  
RT: 20.209 min Scan# 2880  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

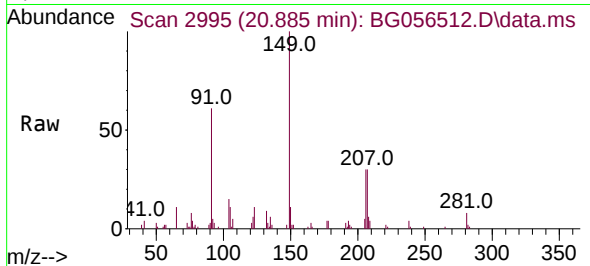
Tgt Ion:244 Resp: 1203566  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.5 8.3  
122 5.3 4.4 6.6





#80  
Butylbenzylphthalate  
Concen: 4.276 ng  
RT: 20.885 min Scan# 2995  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

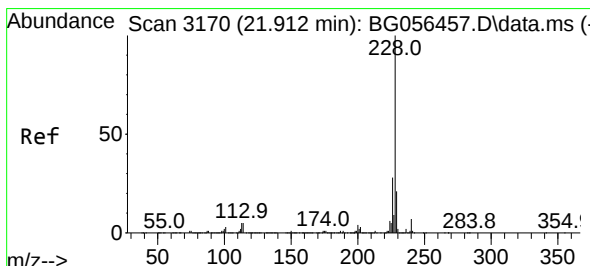
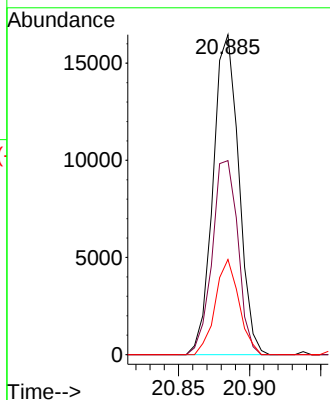
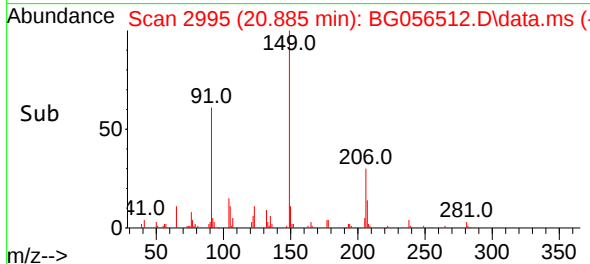
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



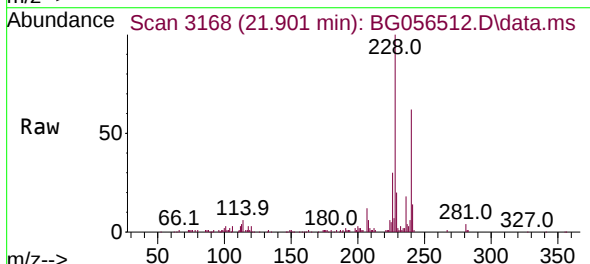
Tgt Ion:149 Resp: 20721  
Ion Ratio Lower Upper  
149 100  
91 60.6 49.4 74.0  
206 29.7 22.0 33.0

Manual Integrations  
APPROVED

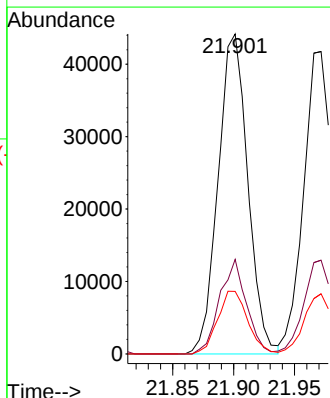
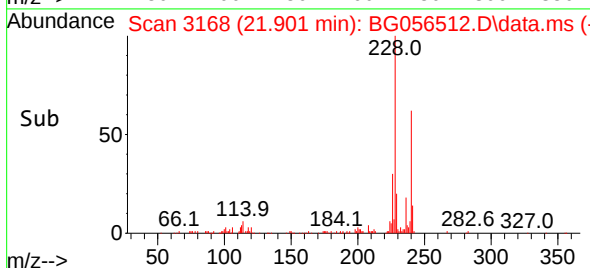
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

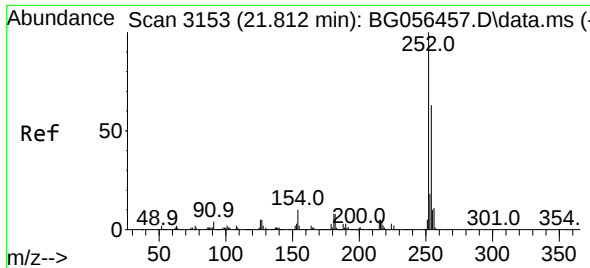


#81  
Benzo(a)anthracene  
Concen: 4.805 ng  
RT: 21.901 min Scan# 3168  
Delta R.T. 0.001 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



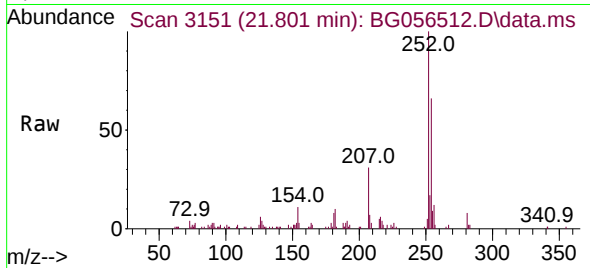
Tgt Ion:228 Resp: 74931  
Ion Ratio Lower Upper  
228 100  
226 29.5 22.4 33.6  
229 19.5 16.5 24.7





#82  
3,3'-Dichlorobenzidine  
Concen: 5.209 ng  
RT: 21.801 min Scan# 3153  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

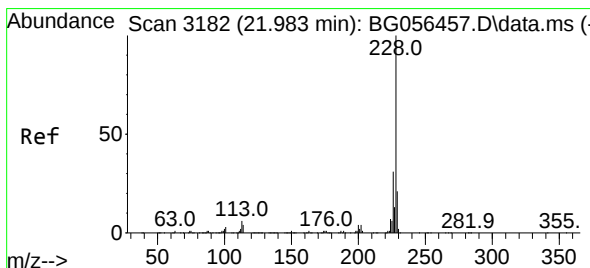
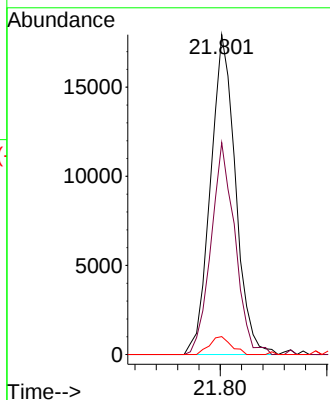
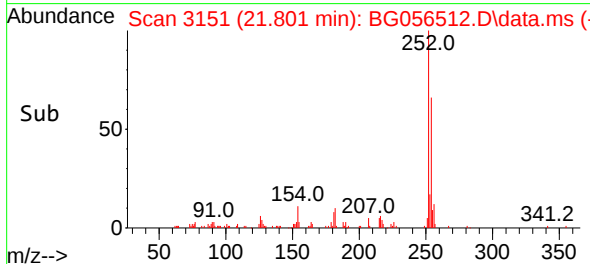
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:252 Resp: 29252  
Ion Ratio Lower Upper  
252 100  
254 66.2 50.0 75.0  
126 5.6 4.3 6.5

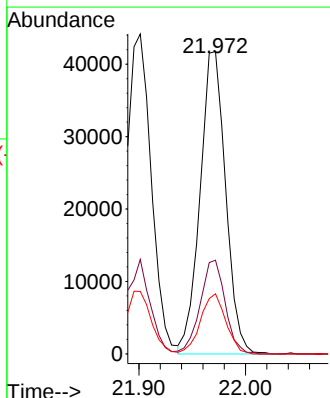
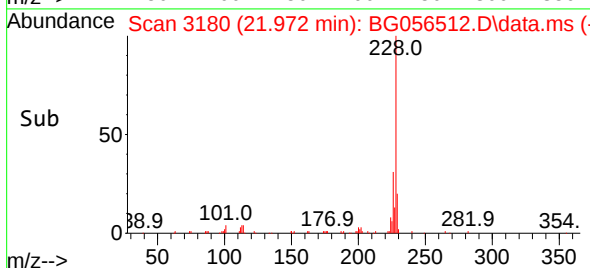
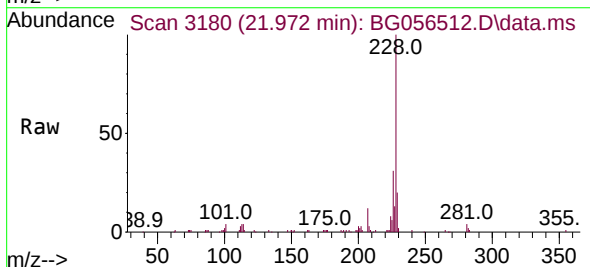
Manual Integrations  
APPROVED

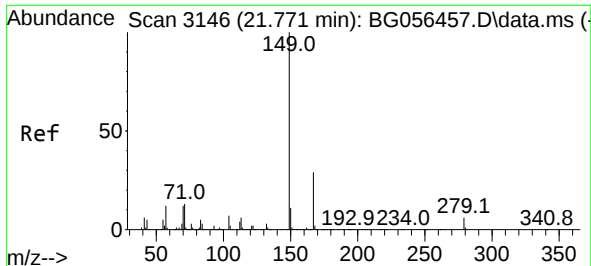
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#83  
Chrysene  
Concen: 4.753 ng  
RT: 21.972 min Scan# 3180  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

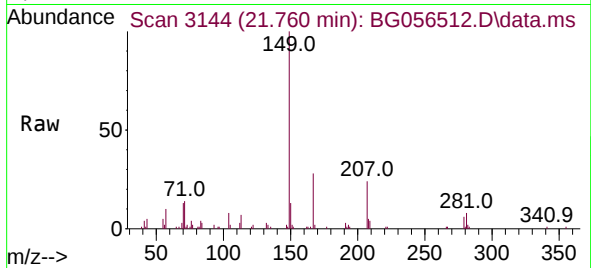
Tgt Ion:228 Resp: 69640  
Ion Ratio Lower Upper  
228 100  
226 31.0 25.0 37.4  
229 19.9 16.4 24.6





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.345 ng  
RT: 21.760 min Scan# 3146  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

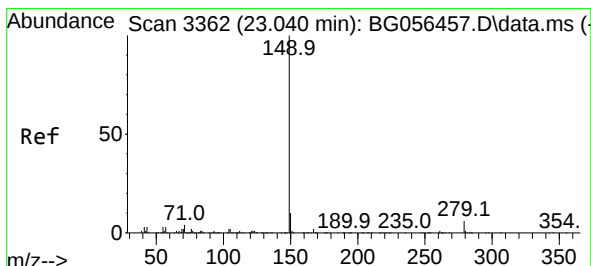
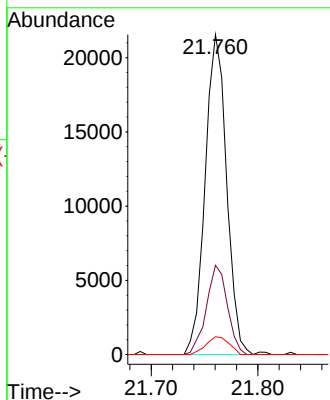
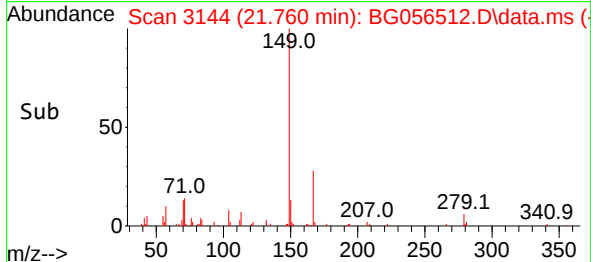
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:149 Resp: 30185  
Ion Ratio Lower Upper  
149 100  
167 27.9 23.4 35.2  
279 5.6 4.4 6.6

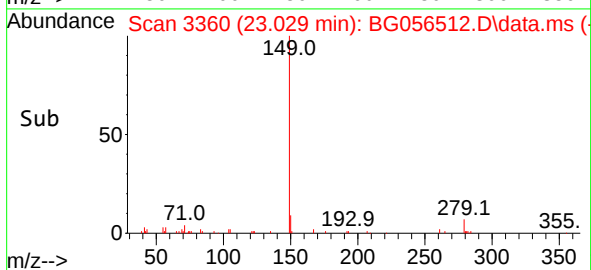
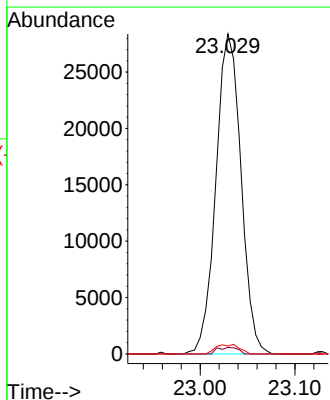
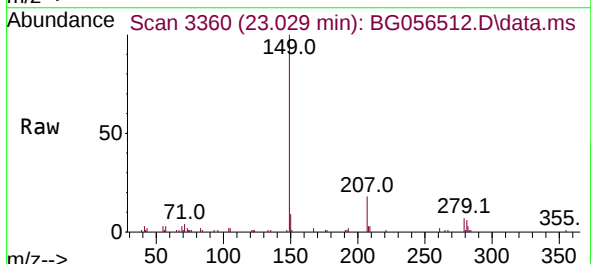
Manual Integrations  
APPROVED

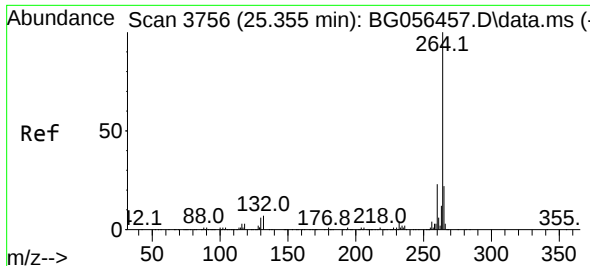
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#85  
Di-n-octyl phthalate  
Concen: 4.511 ng  
RT: 23.029 min Scan# 3360  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

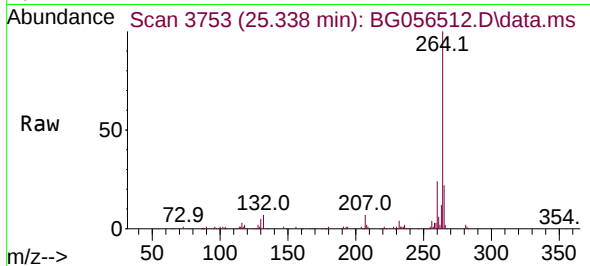
Tgt Ion:149 Resp: 52187  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 2.7 2.7 4.1#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.338 min Scan# 3756  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

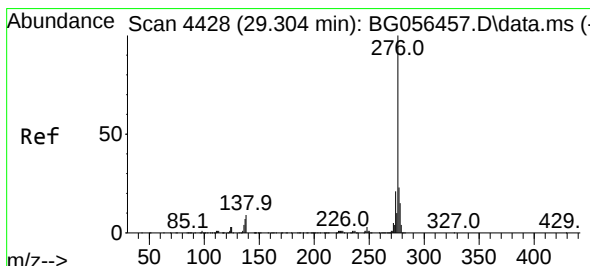
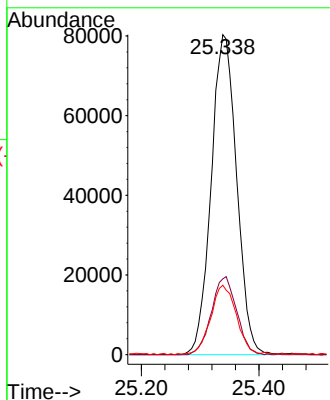
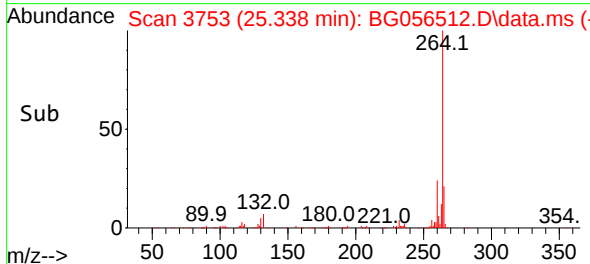
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



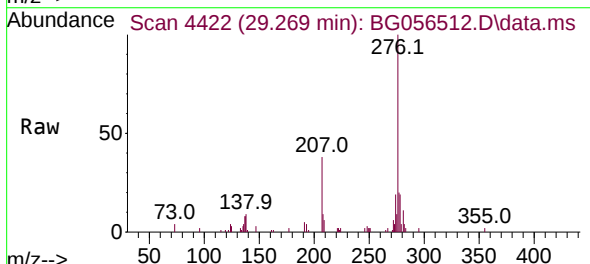
Tgt Ion:264 Resp: 241260  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.2 27.4  
265 21.7 18.1 27.1

Manual Integrations  
APPROVED

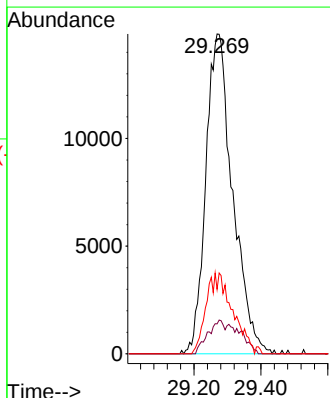
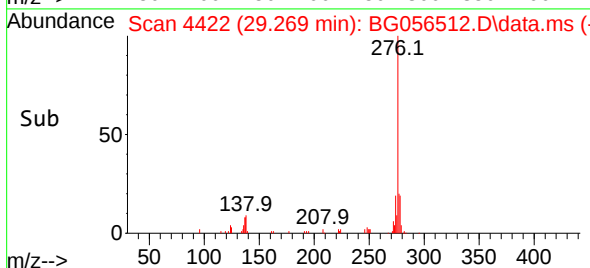
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

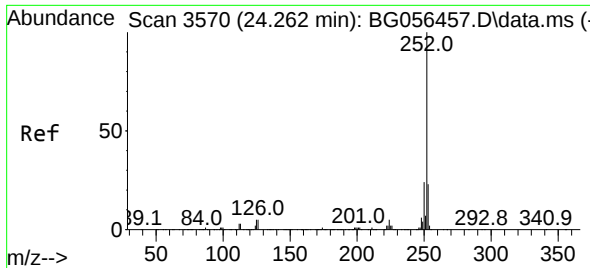


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.692 ng  
RT: 29.269 min Scan# 4422  
Delta R.T. -0.011 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19



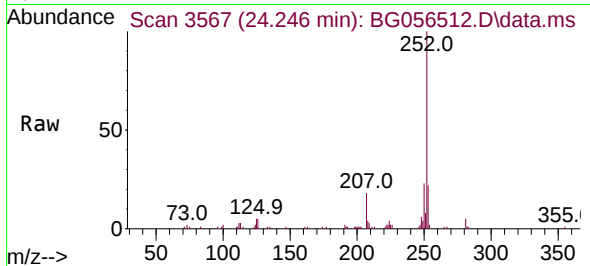
Tgt Ion:276 Resp: 82871  
Ion Ratio Lower Upper  
276 100  
138 6.4 9.4 14.2#  
277 0.0 20.3 30.5#





#88  
Benzo(b)fluoranthene  
Concen: 5.185 ng  
RT: 24.246 min Scan# 3567  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

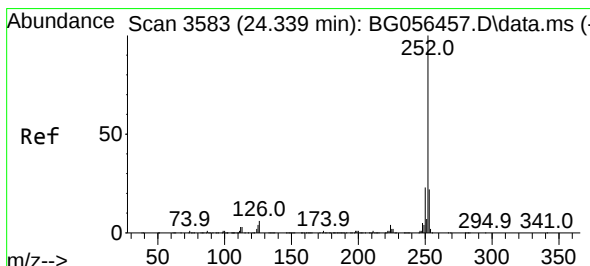
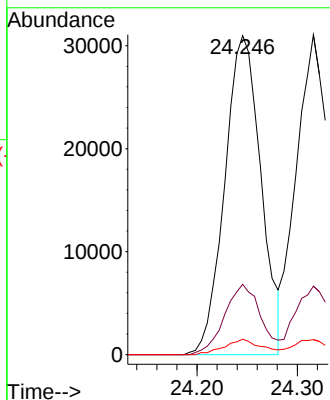
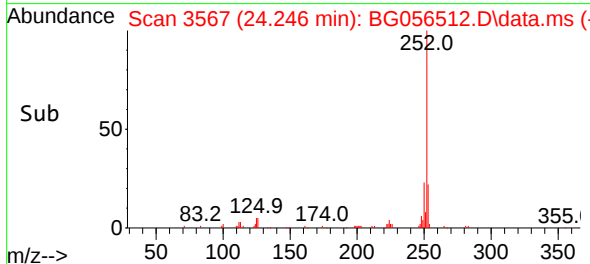
Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:252 Resp: 77643  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.1 27.1  
125 4.8 3.9 5.9

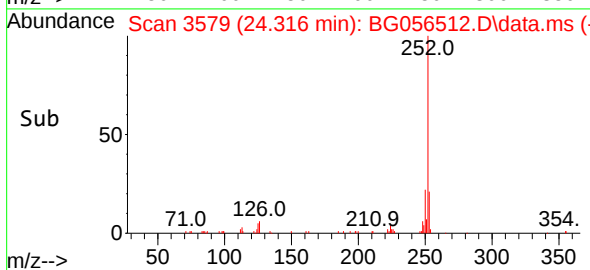
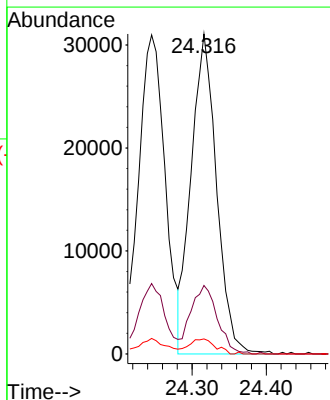
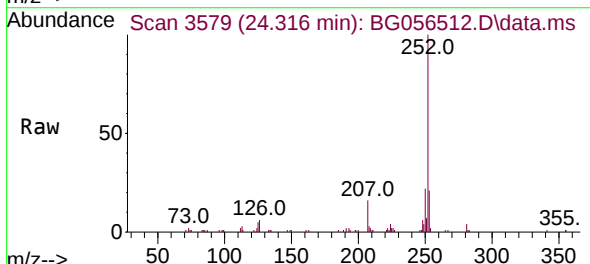
Manual Integrations  
APPROVED

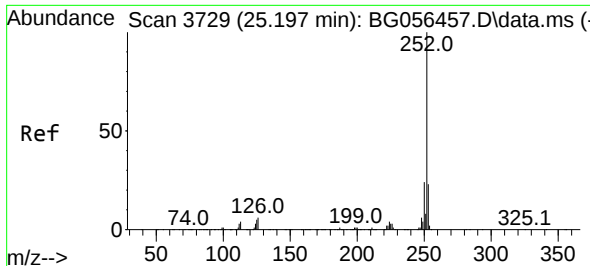
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#89  
Benzo(k)fluoranthene  
Concen: 4.902 ng  
RT: 24.316 min Scan# 3579  
Delta R.T. -0.005 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

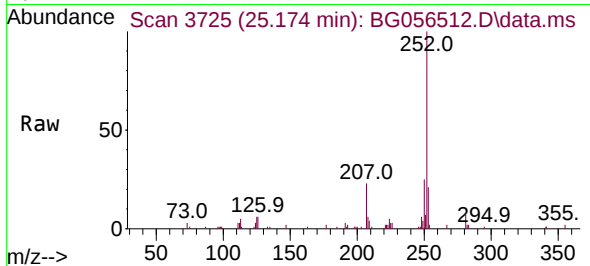
Tgt Ion:252 Resp: 74109  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.5 26.3  
125 4.7 3.4 5.0





#90  
Benzo(a)pyrene  
Concen: 4.574 ng  
RT: 25.174 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

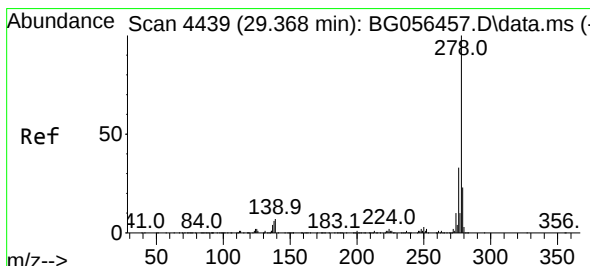
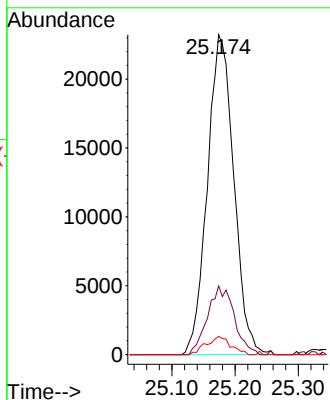
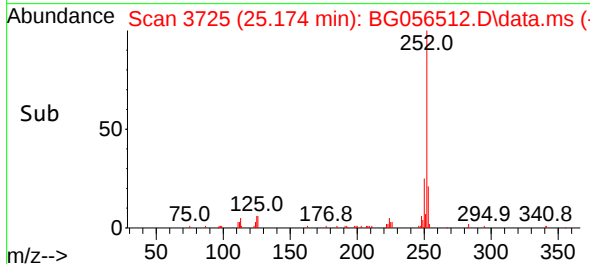
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-03-QT4-2022



Tgt Ion:252 Resp: 67462  
Ion Ratio Lower Upper  
252 100  
253 21.5 18.4 27.6  
125 5.7 4.1 6.1

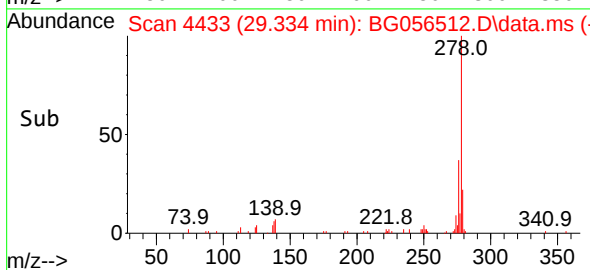
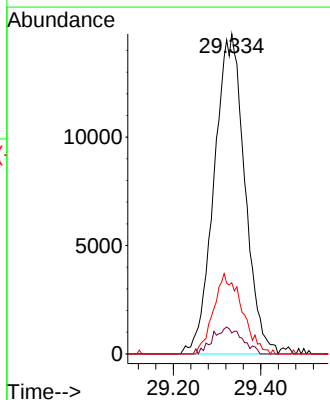
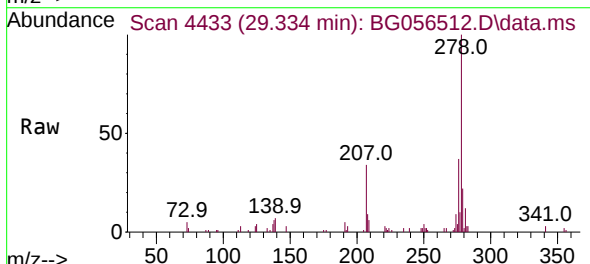
Manual Integrations  
APPROVED

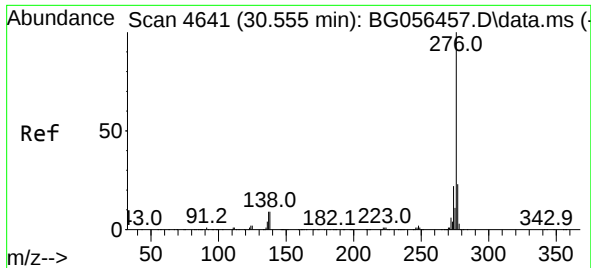
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#91  
Dibenzo(a,h)anthracene  
Concen: 4.841 ng  
RT: 29.334 min Scan# 4433  
Delta R.T. -0.011 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

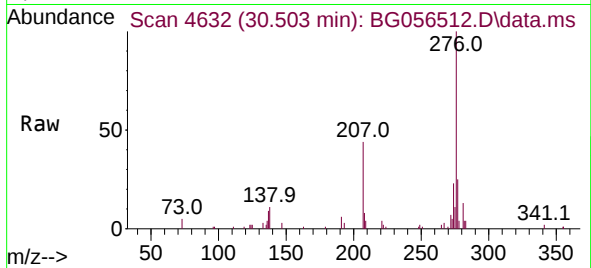
Tgt Ion:278 Resp: 71765  
Ion Ratio Lower Upper  
278 100  
139 6.5 5.5 8.3  
279 22.2 18.8 28.2





#92  
Benzo(g,h,i)perylene  
Concen: 4.870 ng  
RT: 30.503 min Scan# 4632  
Delta R.T. -0.023 min  
Lab File: BG056512.D  
Acq: 2 Feb 2023 13:19

Instrument : BNA\_G  
ClientSampleId : MDL-WATER-03-QT4-2022



Tgt Ion:276 Resp: 69658  
Ion Ratio Lower Upper  
276 100  
277 25.2 18.5 27.7  
138 11.4 7.4 11.0

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

