

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120122\  
 Data File : BG055859.D  
 Acq On : 1 Dec 2022 17:19  
 Operator : CG/JU  
 Sample : N5823-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OE-2-113022MS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/02/2022  
 Supervised By : Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 04:10:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 02 04:07:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.207  | 152  | 41281    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.039 | 136  | 168403   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.835 | 164  | 116914   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.579 | 188  | 260648   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.868 | 240  | 241606   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.252 | 264  | 269553   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.745  | 112  | 285177   | 124.867 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.367  | 99   | 368638   | 121.256 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.382  | 82   | 231398   | 72.626  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.321 | 330  | 192131   | 116.705 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.460 | 172  | 566119   | 72.542  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.164 | 244  | 928668   | 76.879  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.554  | 88   | 35821    | 36.701  | ng    | 97       |
| 3) Pyridine                   | 3.971  | 79   | 100729   | 33.642  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.883  | 42   | 63399    | 39.994  | ng    | 97       |
| 6) Aniline                    | 7.526  | 93   | 98300    | 25.743  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.773  | 128  | 124934   | 47.852  | ng    | 100      |
| 9) Benzaldehyde               | 7.332  | 77   | 62694m   | 30.365  | ng    |          |
| 10) Phenol                    | 7.391  | 94   | 155906   | 45.800  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.614  | 93   | 109419   | 41.944  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.096  | 146  | 136545   | 44.483  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.243  | 146  | 135876   | 43.805  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.566  | 146  | 135010   | 45.421  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.448  | 79   | 111408m  | 45.090  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.730  | 45   | 198407   | 42.013  | ng    | 98       |
| 17) 2-Methylphenol            | 8.654  | 107  | 109448   | 45.287  | ng    | 99       |
| 18) Hexachloroethane          | 9.300  | 117  | 49553    | 46.415  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 9.012  | 70   | 94233    | 40.342  | ng    | 100      |
| 20) 3+4-Methylphenols         | 8.983  | 107  | 151029   | 44.736  | ng    | 99       |
| 22) Acetophenone              | 9.036  | 105  | 187384   | 42.821  | ng    | 97       |
| 24) Nitrobenzene              | 9.424  | 77   | 141547   | 42.532  | ng    | 99       |
| 25) Isophorone                | 9.946  | 82   | 260257   | 43.111  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.140 | 139  | 73206    | 47.650  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.193 | 122  | 123687m  | 52.898  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.422 | 93   | 149011   | 45.978  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.687 | 162  | 130174   | 46.513  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.898 | 180  | 143882   | 44.252  | ng    | 99       |
| 31) Naphthalene               | 11.086 | 128  | 396483   | 43.552  | ng    | 100      |
| 32) Benzoic acid              | 10.346 | 122  | 66701    | 34.673  | ng    | 98       |
| 33) 4-Chloroaniline           | 11.192 | 127  | 83511    | 22.238  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.362 | 225  | 97790    | 44.046  | ng    | 99       |
| 35) Caprolactam               | 11.974 | 113  | 40399m   | 41.714  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.308 | 107  | 137346   | 44.651  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.679 | 142  | 301760   | 44.271  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.896 | 142  | 288085   | 43.536  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.043 | 216  | 175491   | 47.765  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 13.013 | 237  | 98914    | 53.416  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.278 | 196  | 113745   | 45.385  | ng    | 98       |

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Instrument :  
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Manual Integrations  
 APPROVED

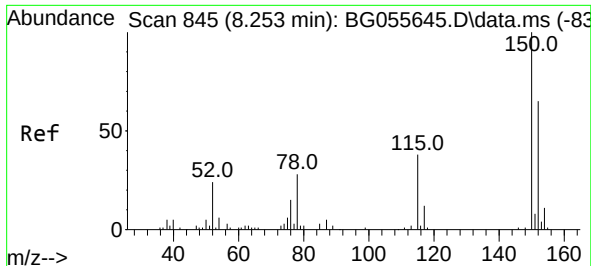
Reviewed By : Christian Giraldo 12/02/2022  
 Supervised By : Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 04:10:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
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 QLast Update : Fri Dec 02 04:07:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.360 | 196  | 124067   | 45.047 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.672 | 154  | 382873   | 44.940 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.724 | 162  | 291517   | 44.022 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.918 | 65   | 95851    | 44.025 | ng    | 95       |
| 49) Acenaphthylene            | 14.565 | 152  | 483448   | 44.334 | ng    | 99       |
| 50) Dimethylphthalate         | 14.277 | 163  | 372656   | 39.985 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.406 | 165  | 82658    | 43.376 | ng    | 97       |
| 52) Acenaphthene              | 14.899 | 154  | 360032m  | 50.517 | ng    |          |
| 53) 3-Nitroaniline            | 14.741 | 138  | 64376    | 30.774 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.952 | 184  | 65440    | 59.726 | ng    | 99       |
| 55) Dibenzofuran              | 15.234 | 168  | 505756   | 46.000 | ng    | 99       |
| 56) 4-Nitrophenol             | 15.052 | 139  | 128505   | 78.268 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 15.193 | 165  | 116778   | 43.464 | ng    | 97       |
| 58) Fluorene                  | 15.881 | 166  | 458001   | 52.156 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.458 | 232  | 108137   | 40.521 | ng    | # 100    |
| 60) Diethylphthalate          | 15.628 | 149  | 370558   | 39.326 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.863 | 204  | 203378   | 42.133 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.898 | 138  | 81536    | 37.286 | ng    | 96       |
| 63) Azobenzene                | 16.157 | 77   | 344532   | 41.881 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.963 | 198  | 51658    | 35.493 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 16.075 | 169  | 325552   | 45.321 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.756 | 248  | 133640   | 45.000 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.885 | 284  | 147026   | 44.648 | ng    | 97       |
| 69) Atrazine                  | 17.015 | 200  | 133550   | 47.009 | ng    | 99       |
| 70) Pentachlorophenol         | 17.232 | 266  | 153559   | 76.229 | ng    | 98       |
| 71) Phenanthrene              | 17.626 | 178  | 1367949  | 97.254 | ng    | 98       |
| 72) Anthracene                | 17.714 | 178  | 770899   | 56.408 | ng    | 99       |
| 73) Carbazole                 | 17.978 | 167  | 627660   | 51.087 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.507 | 149  | 616025   | 40.380 | ng    | 99       |
| 75) Fluoranthene              | 19.623 | 202  | 1585853  | 92.675 | ng    | 97       |
| 77) Benzidine                 | 19.788 | 184  | 212893   | 38.089 | ng    | 98       |
| 78) Pyrene                    | 19.982 | 202  | 1515171  | 92.649 | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.840 | 149  | 272197   | 42.516 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.850 | 228  | 1111034  | 66.765 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.750 | 252  | 155884   | 26.659 | ng    | 100      |
| 83) Chrysene                  | 21.921 | 228  | 1020858  | 64.440 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.709 | 149  | 400573   | 43.537 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.972 | 149  | 675411   | 42.895 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.165 | 276  | 1020209  | 46.200 | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 24.177 | 252  | 1128009  | 64.257 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.247 | 252  | 902320   | 51.565 | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.099 | 252  | 992142   | 65.861 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.218 | 278  | 727116   | 40.294 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.387 | 276  | 829418   | 45.604 | ng    | 98       |

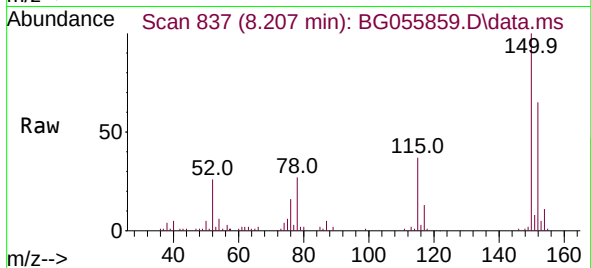
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.207 min Scan# 84  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

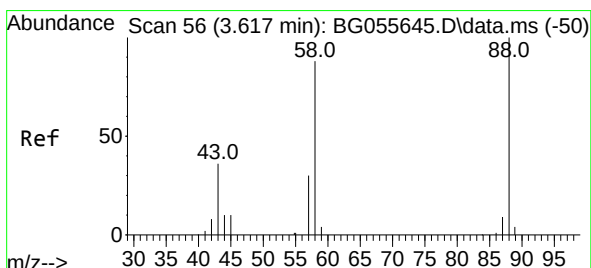
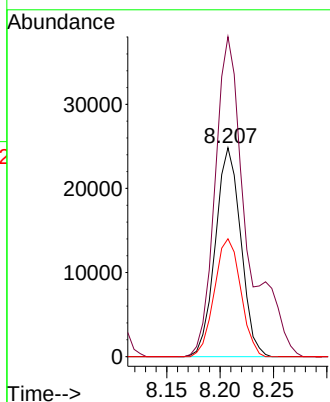
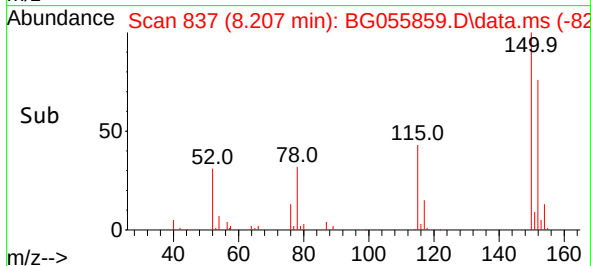
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:152 Resp: 4128  
Ion Ratio Lower Upper  
152 100  
150 153.2 123.0 184.6  
115 56.4 47.0 70.4

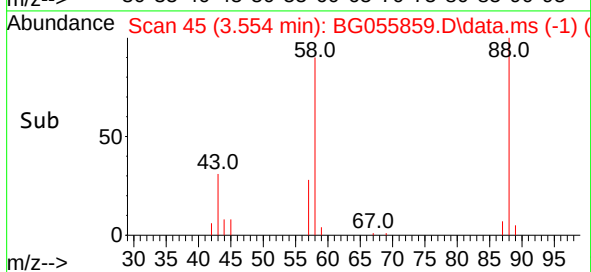
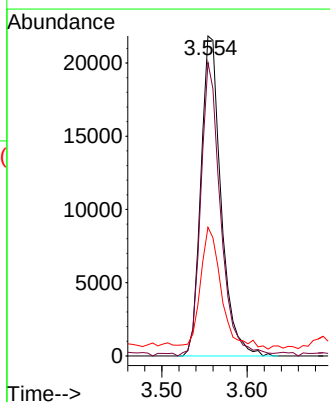
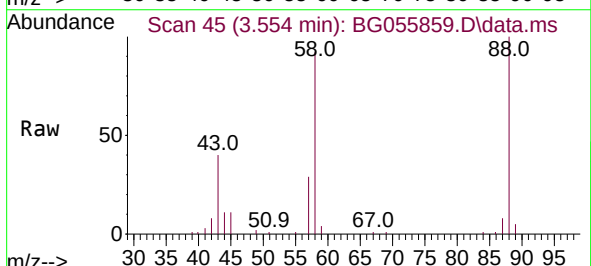
Manual Integrations  
APPROVED

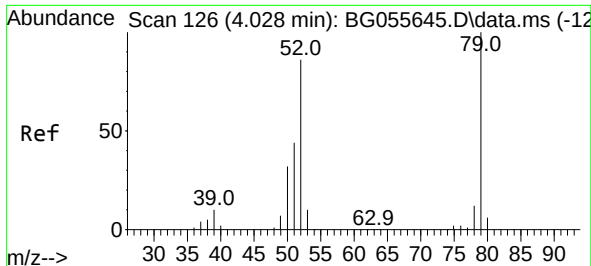
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#2  
1,4-Dioxane  
Concen: 36.701 ng  
RT: 3.554 min Scan# 45  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

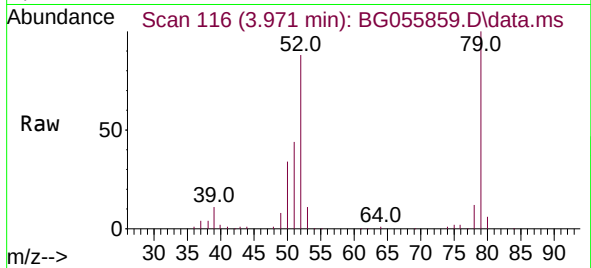
Tgt Ion: 88 Resp: 35821  
Ion Ratio Lower Upper  
88 100  
58 90.2 71.3 106.9  
43 39.9 28.6 43.0





#3  
Pyridine  
Concen: 33.642 ng  
RT: 3.971 min Scan# 116  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

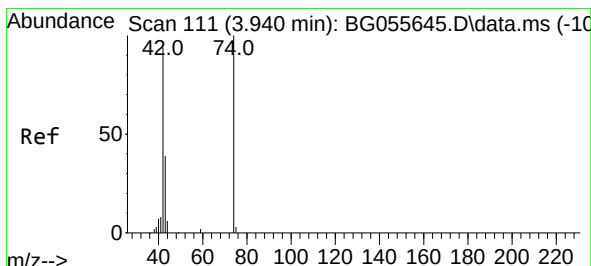
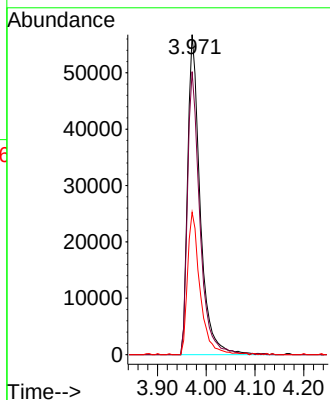
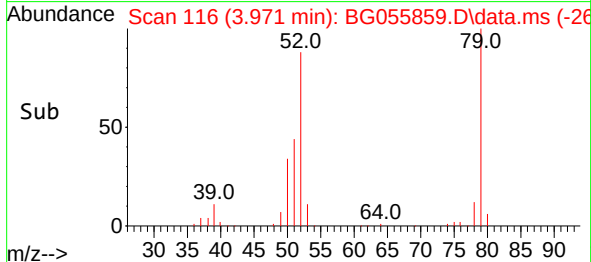
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



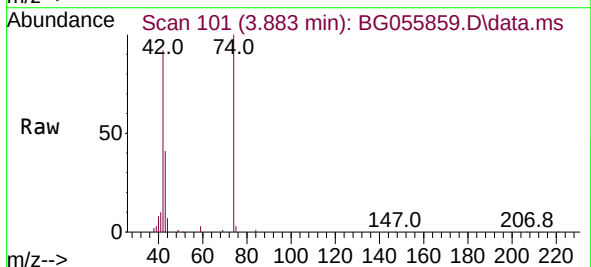
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Ion Ratio Lower Upper  
79 100  
52 88.4 68.9 103.3  
51 44.5 34.8 52.2

Manual Integrations  
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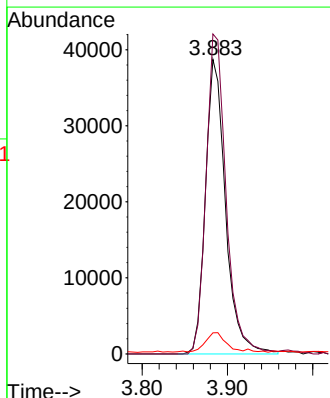
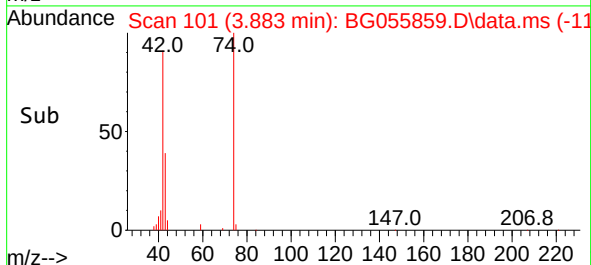
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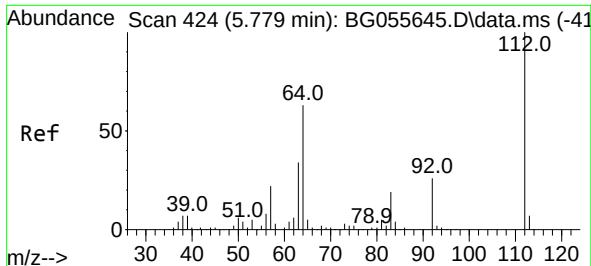


#4  
n-Nitrosodimethylamine  
Concen: 39.994 ng  
RT: 3.883 min Scan# 101  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion: 42 Resp: 63399  
Ion Ratio Lower Upper  
42 100  
74 108.7 84.7 127.1  
44 7.2 5.4 8.0





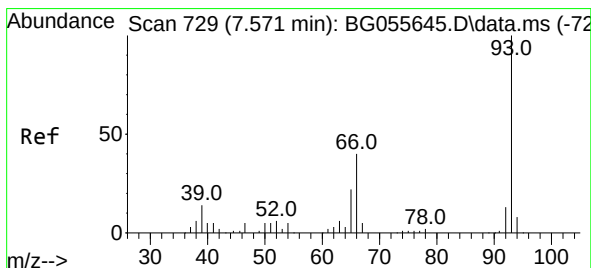
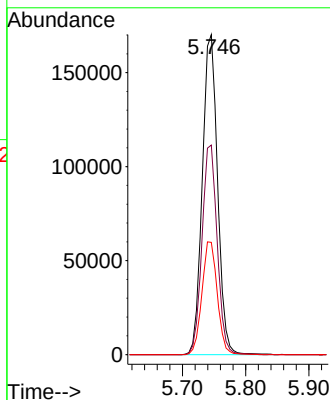
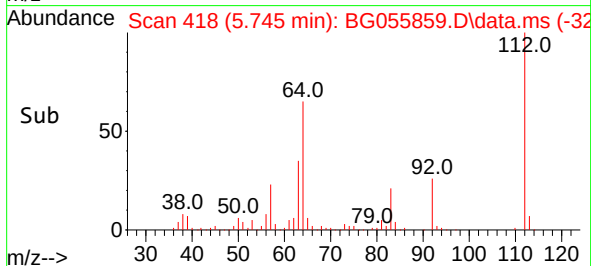
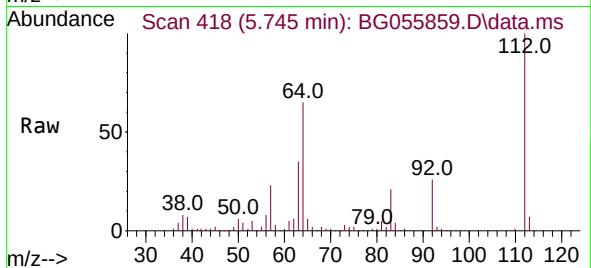
#5  
2-Fluorophenol  
Concen: 124.867 ng  
RT: 5.745 min Scan# 418  
Delta R.T. 0.008 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

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BNA\_G  
ClientSampleId :  
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Tgt Ion:112 Resp: 28517  
Ion Ratio Lower Upper  
112 100  
64 65.5 50.6 76.0  
63 35.1 27.5 41.3

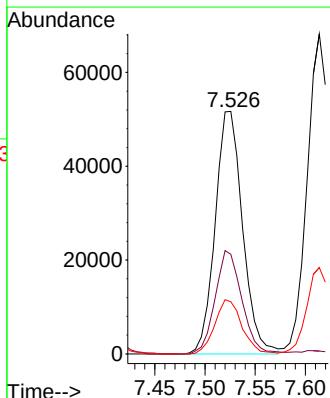
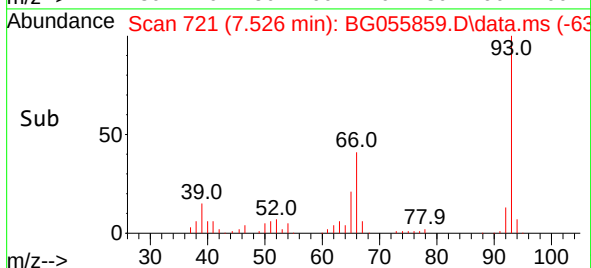
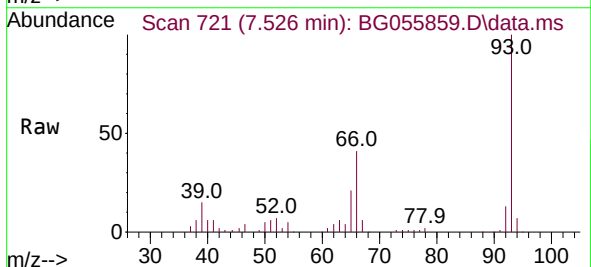
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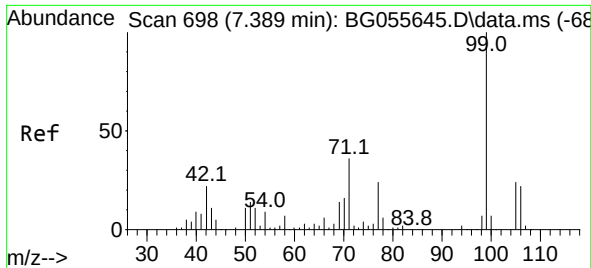
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#6  
Aniline  
Concen: 25.743 ng  
RT: 7.526 min Scan# 721  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
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Tgt Ion: 93 Resp: 98300  
Ion Ratio Lower Upper  
93 100  
66 41.1 31.7 47.5  
65 21.5 17.9 26.9





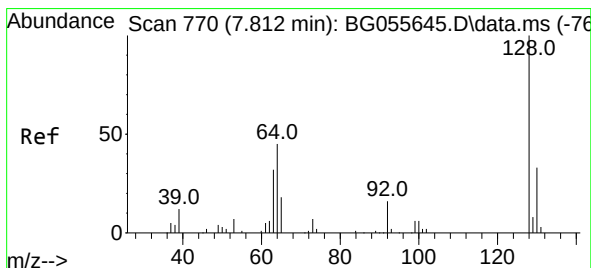
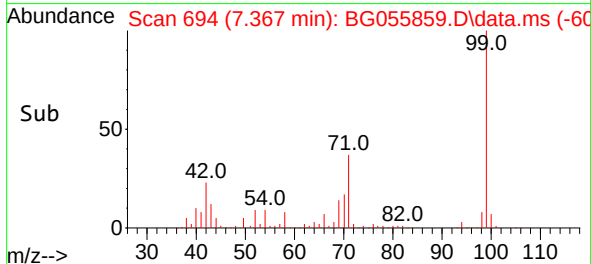
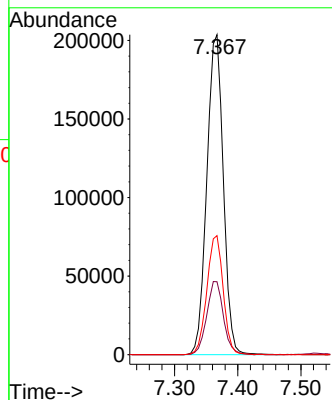
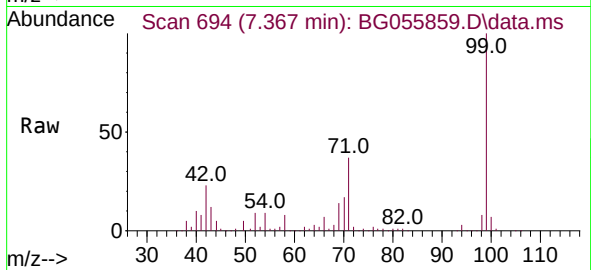
#7  
Phenol-d6  
Concen: 121.256 ng  
RT: 7.367 min Scan# 698  
Delta R.T. 0.008 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
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OE-2-113022MS

Tgt Ion: 99 Resp: 368638  
Ion Ratio Lower Upper  
99 100  
42 22.8 18.0 27.0  
71 37.2 29.0 43.6

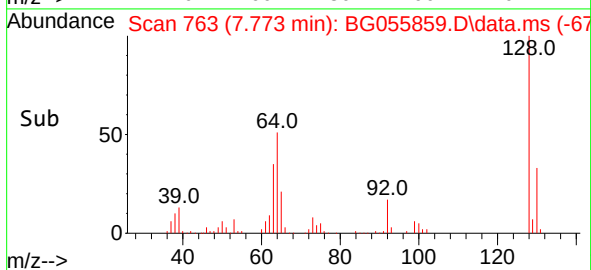
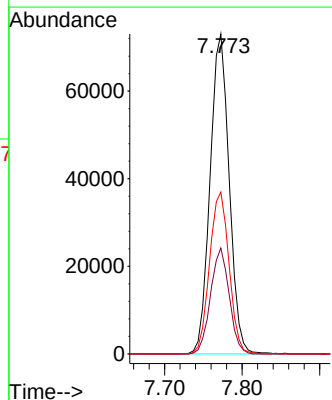
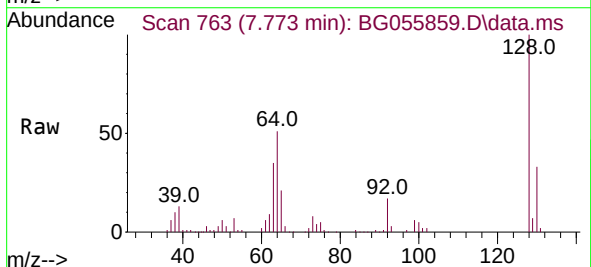
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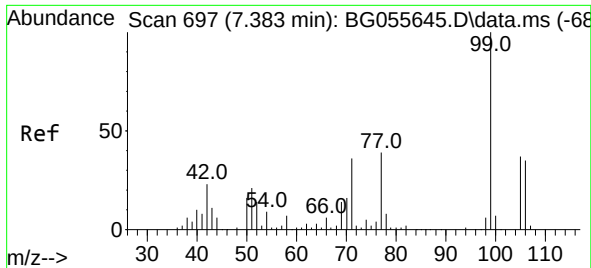
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#8  
2-Chlorophenol  
Concen: 47.852 ng  
RT: 7.773 min Scan# 763  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

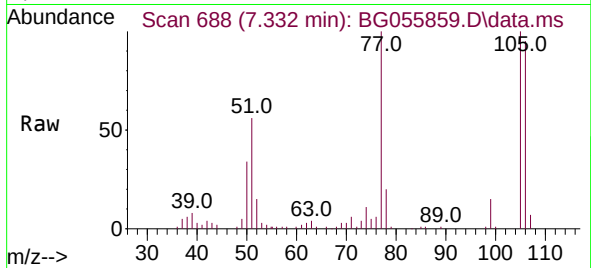
Tgt Ion:128 Resp: 124934  
Ion Ratio Lower Upper  
128 100  
130 33.1 13.1 53.1  
64 50.6 30.2 70.2





#9  
Benzaldehyde  
Concen: 30.365 ng m  
RT: 7.332 min Scan# 68  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

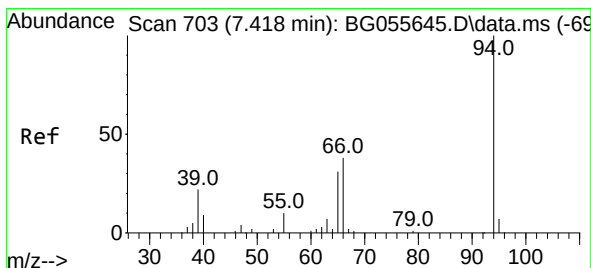
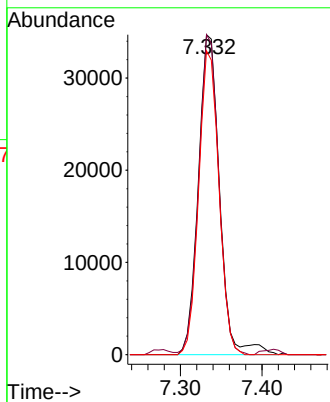
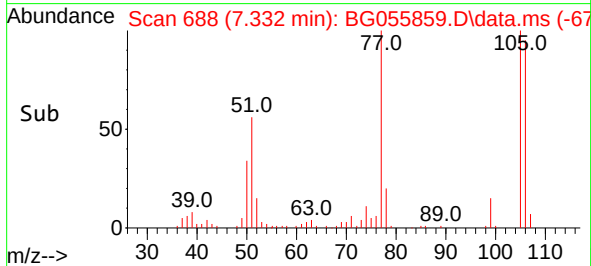
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



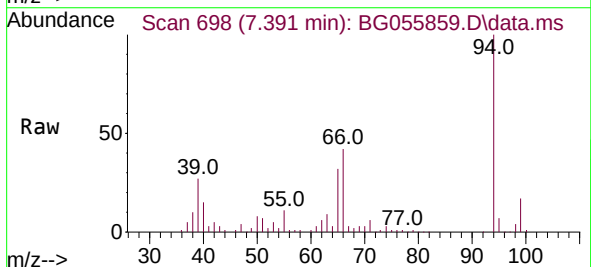
Tgt Ion: 77 Resp: 62694  
Ion Ratio Lower Upper  
77 100  
105 100.0 76.3 116.3  
106 95.0 69.8 109.8

Manual Integrations  
APPROVED

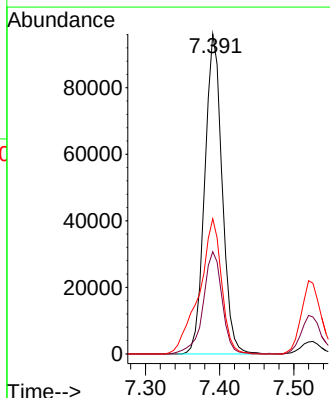
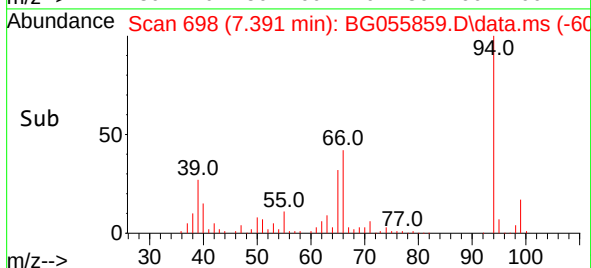
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



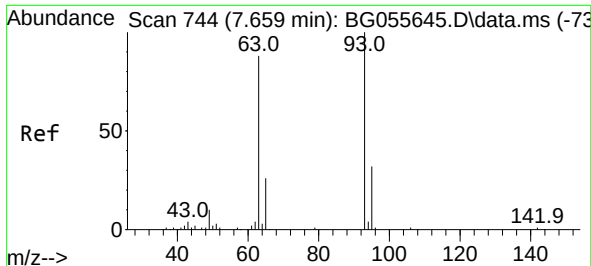
#10  
Phenol  
Concen: 45.800 ng  
RT: 7.391 min Scan# 698  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion: 94 Resp: 155906  
Ion Ratio Lower Upper  
94 100  
65 31.9 11.8 51.8  
66 42.2 20.5 60.5







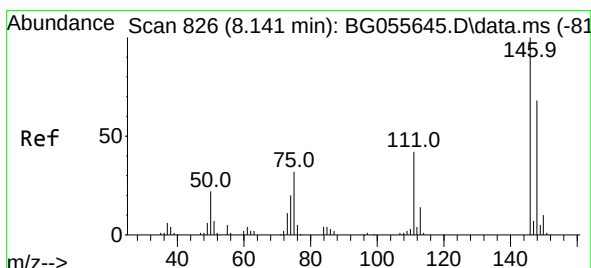
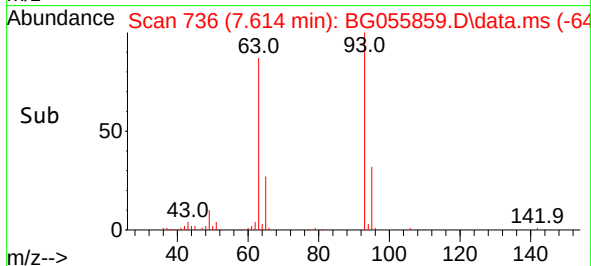
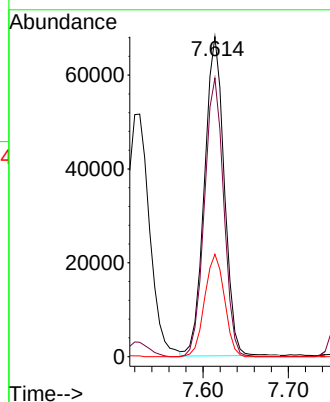
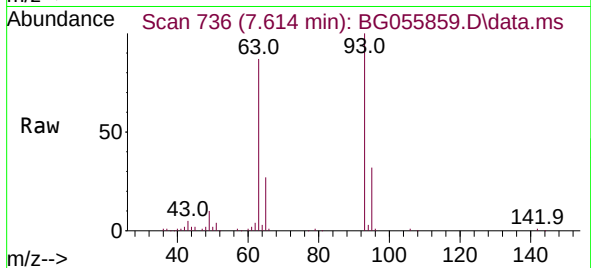
#11  
bis(2-Chloroethyl)ether  
Concen: 41.944 ng  
RT: 7.614 min Scan# 744  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS

Tgt Ion: 93 Resp: 109419  
Ion Ratio Lower Upper  
93 100  
63 87.0 67.6 107.6  
95 32.0 11.8 51.8

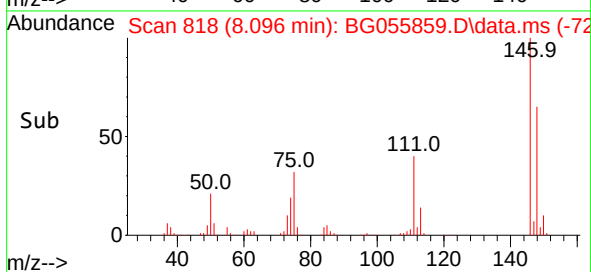
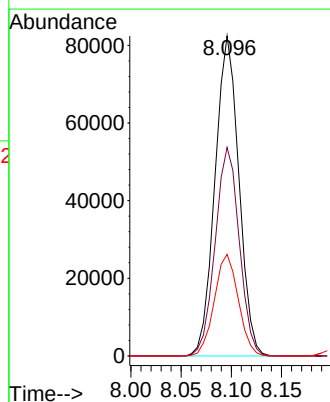
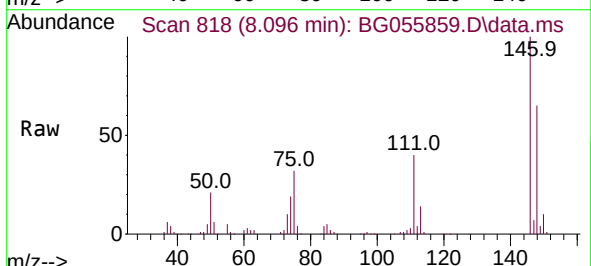
Manual Integrations  
APPROVED

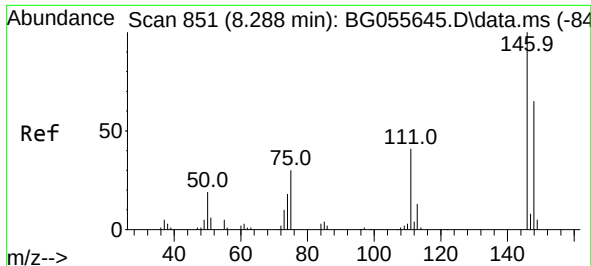
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#12  
1,3-Dichlorobenzene  
Concen: 44.483 ng  
RT: 8.096 min Scan# 818  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

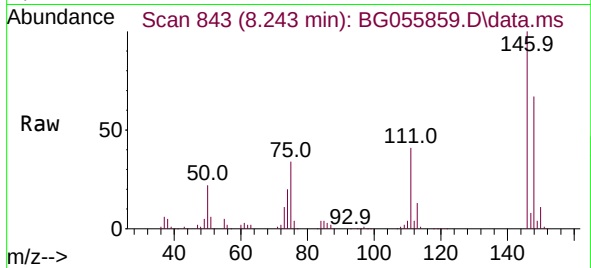
Tgt Ion:146 Resp: 136545  
Ion Ratio Lower Upper  
146 100  
148 65.1 54.6 81.8  
75 31.7 25.8 38.6





#13  
1,4-Dichlorobenzene  
Concen: 43.805 ng  
RT: 8.243 min Scan# 84  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

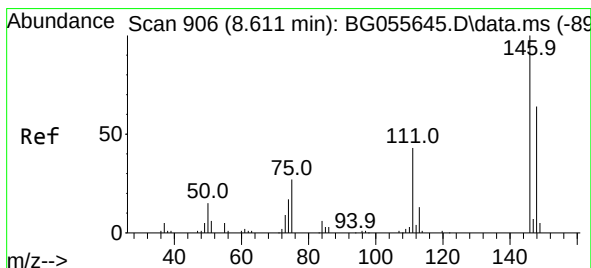
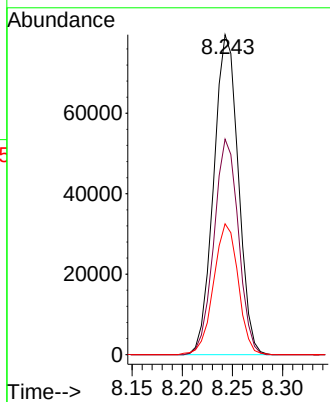
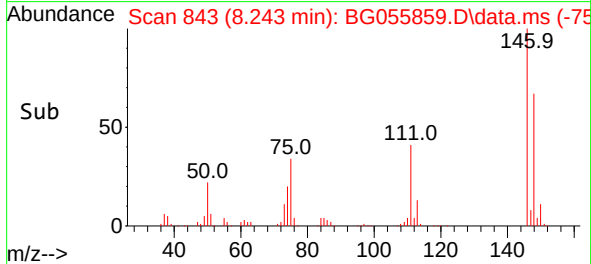
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



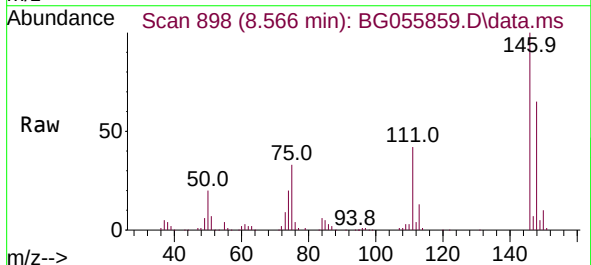
Tgt Ion:146 Resp: 135876  
Ion Ratio Lower Upper  
146 100  
148 67.3 52.1 78.1  
111 40.9 33.0 49.4

Manual Integrations  
APPROVED

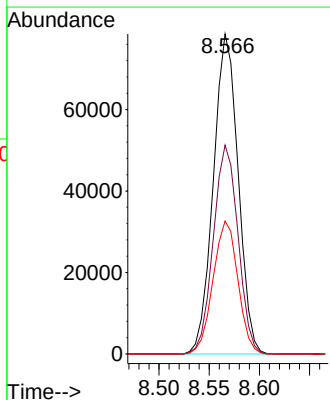
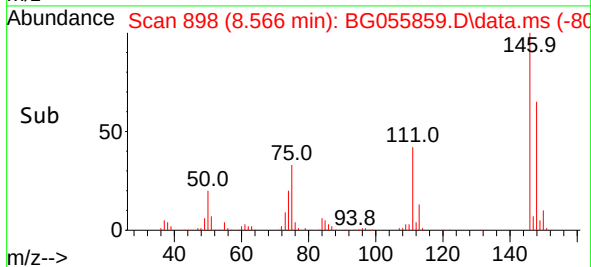
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

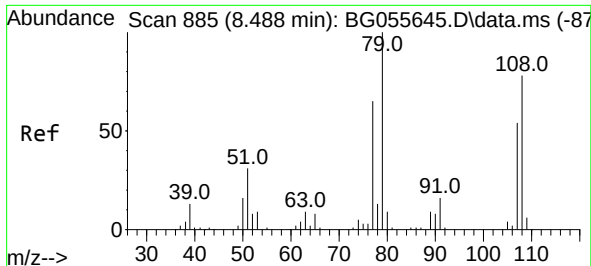


#14  
1,2-Dichlorobenzene  
Concen: 45.421 ng  
RT: 8.566 min Scan# 898  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



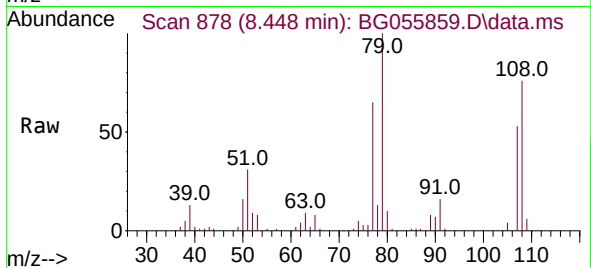
Tgt Ion:146 Resp: 135010  
Ion Ratio Lower Upper  
146 100  
148 65.2 50.9 76.3  
111 41.6 34.5 51.7





#15  
Benzyl Alcohol  
Concen: 45.090 ng m  
RT: 8.448 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

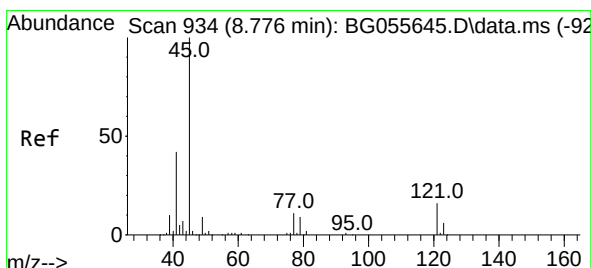
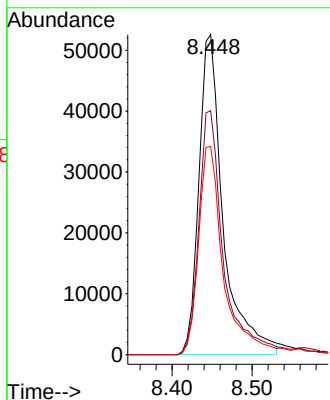
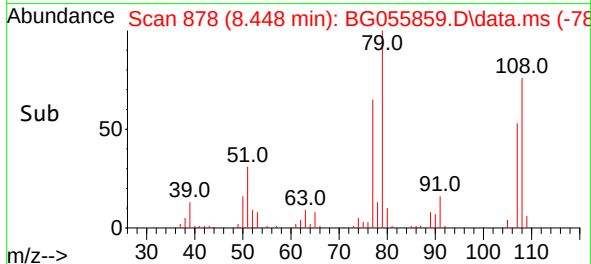
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



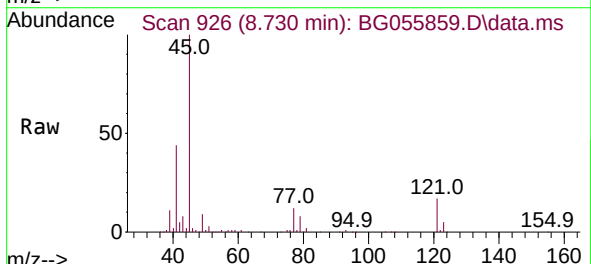
Tgt Ion: 79 Resp: 111408  
Ion Ratio Lower Upper  
79 100  
108 76.2 62.6 93.8  
77 65.0 52.4 78.6

Manual Integrations  
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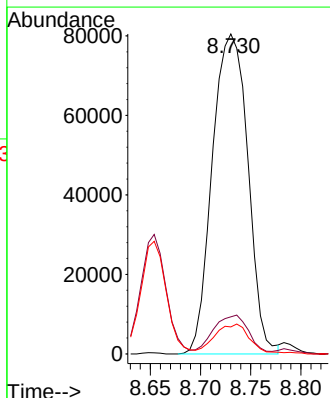
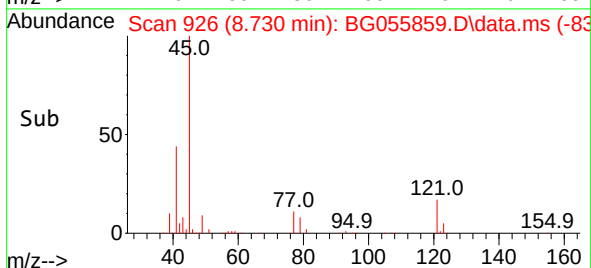
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

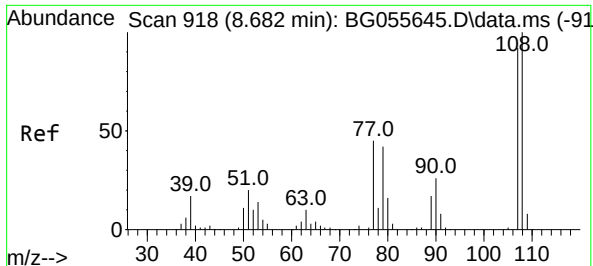


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.013 ng  
RT: 8.730 min Scan# 926  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



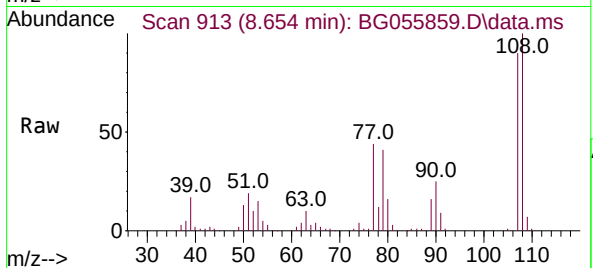
Tgt Ion: 45 Resp: 198407  
Ion Ratio Lower Upper  
45 100  
77 11.6 0.0 31.7  
79 8.4 0.0 29.5





#17  
2-Methylphenol  
Concen: 45.287 ng  
RT: 8.654 min Scan# 918  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

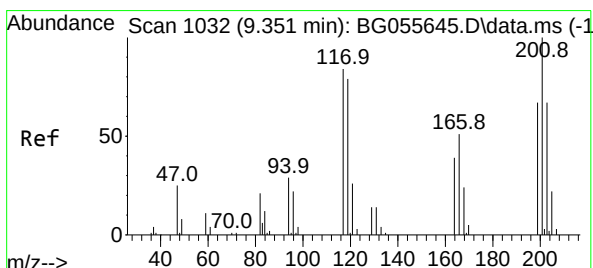
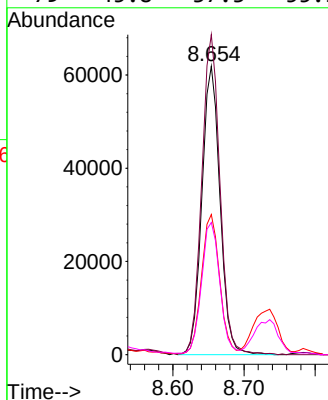
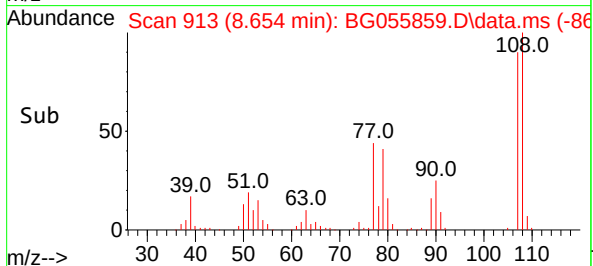
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



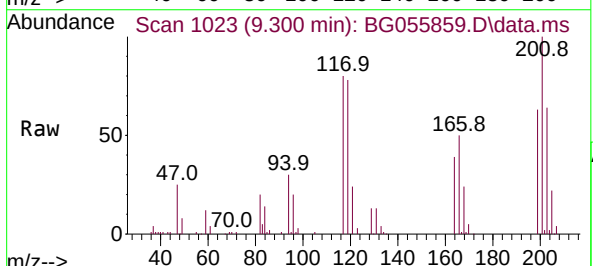
Tgt Ion:107 Resp: 109448  
Ion Ratio Lower Upper  
107 100  
108 110.9 87.3 130.9  
77 48.6 39.4 59.0  
79 45.8 37.3 55.9

Manual Integrations  
APPROVED

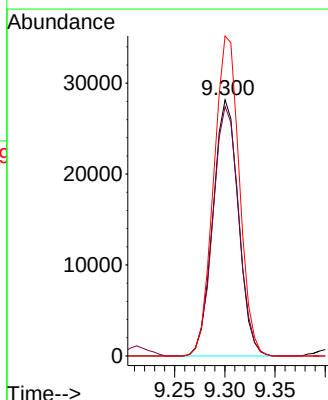
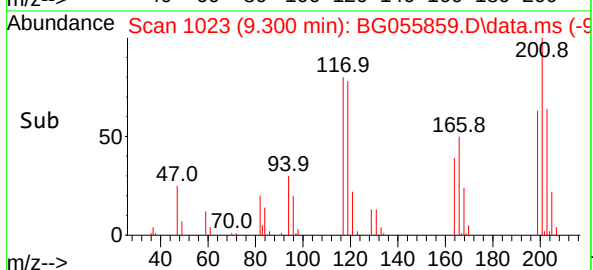
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

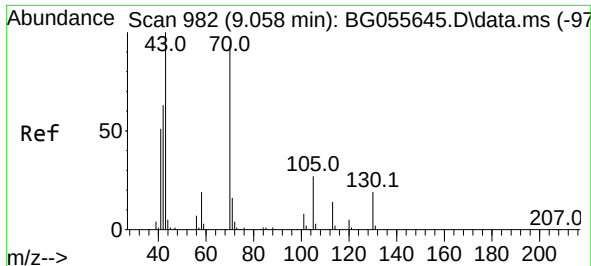


#18  
Hexachloroethane  
Concen: 46.415 ng  
RT: 9.300 min Scan# 1023  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



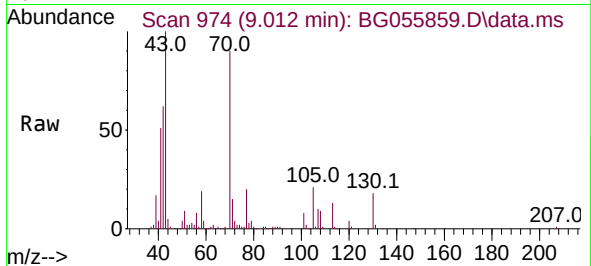
Tgt Ion:117 Resp: 49553  
Ion Ratio Lower Upper  
117 100  
119 97.3 76.0 114.0  
201 124.9 98.6 148.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.342 ng  
RT: 9.012 min Scan# 91  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

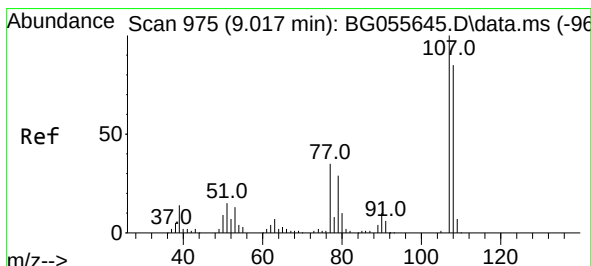
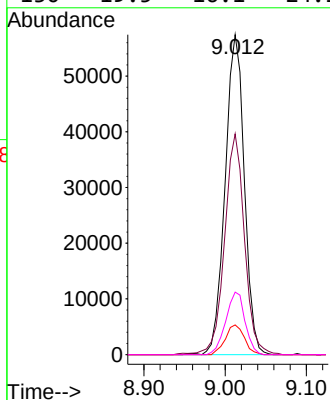
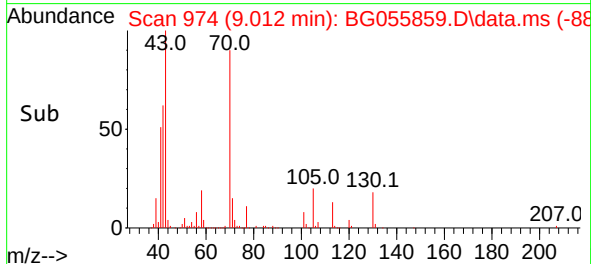
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



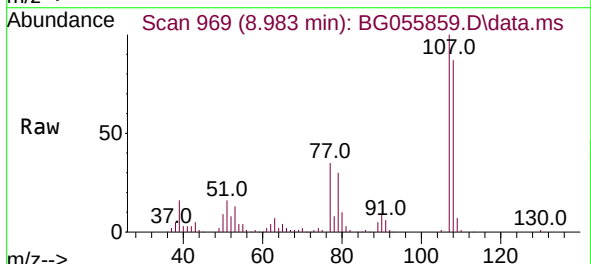
Tgt Ion: 70 Resp: 94233  
Ion Ratio Lower Upper  
70 100  
42 69.0 55.2 82.8  
101 9.3 7.1 10.7  
130 19.5 16.1 24.1

Manual Integrations  
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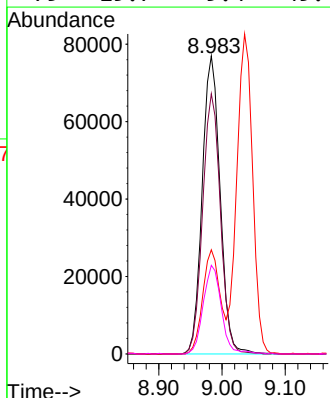
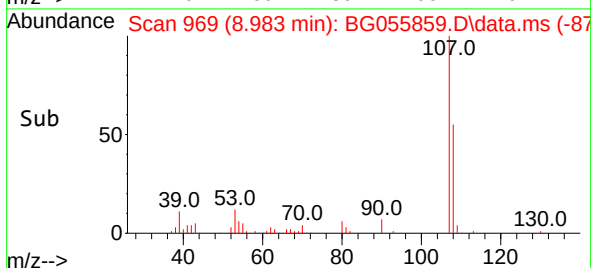
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

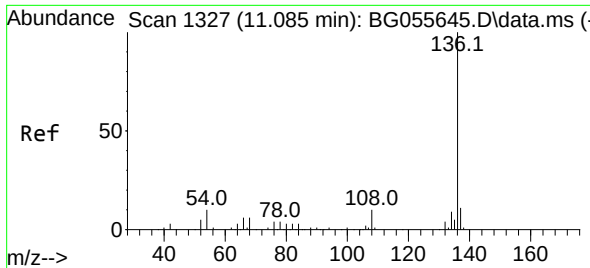


#20  
3+4-Methylphenols  
Concen: 44.736 ng  
RT: 8.983 min Scan# 969  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



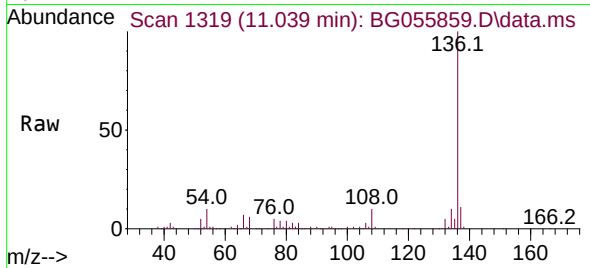
Tgt Ion:107 Resp: 151029  
Ion Ratio Lower Upper  
107 100  
108 87.3 65.5 105.5  
77 34.9 14.6 54.6  
79 29.7 9.4 49.4





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.039 min Scan# 1327  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

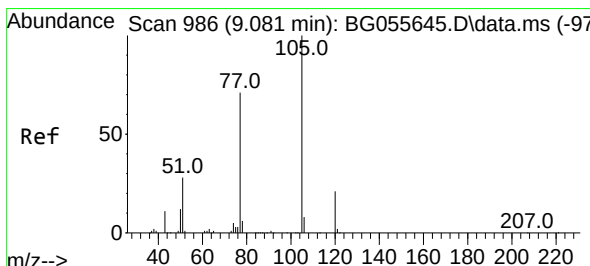
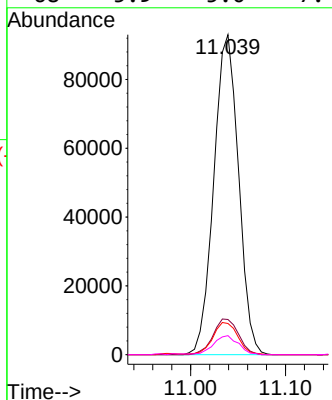
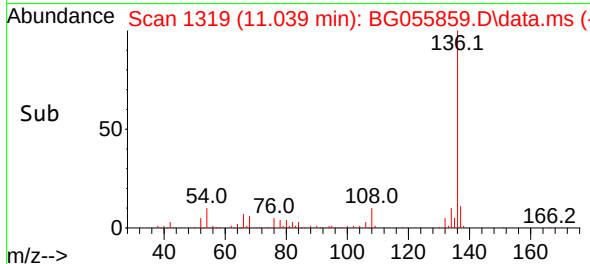
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:136 Resp: 168403  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.6  
54 9.7 7.8 11.6  
68 5.9 5.0 7.4

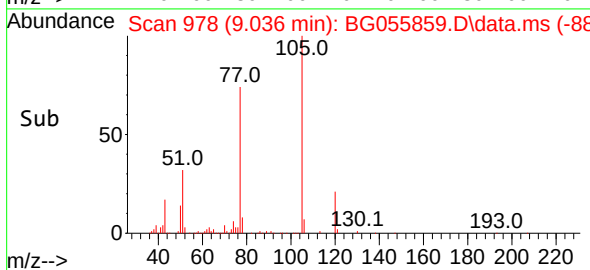
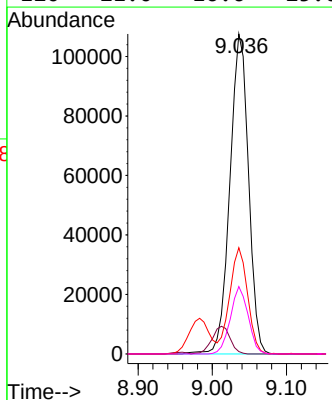
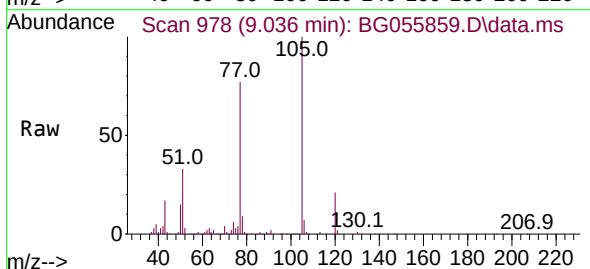
Manual Integrations  
APPROVED

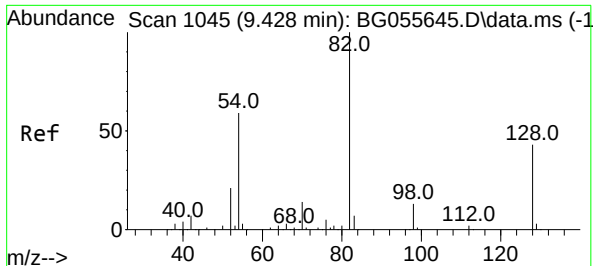
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#22  
Acetophenone  
Concen: 42.821 ng  
RT: 9.036 min Scan# 978  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Tgt Ion:105 Resp: 187384  
Ion Ratio Lower Upper  
105 100  
71 0.7 0.6 1.0  
51 33.2 24.5 36.7  
120 21.0 16.6 25.0





#23

Nitrobenzene-d5

Concen: 72.626 ng

RT: 9.382 min Scan# 1043

Delta R.T. -0.004 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

Instrument :

BNA\_G

ClientSampleId :

OE-2-113022MS

Tgt Ion: 82 Resp: 231398

Ion Ratio Lower Upper

82 100

128 42.7 34.1 51.1

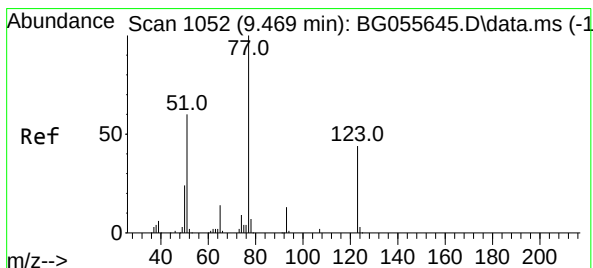
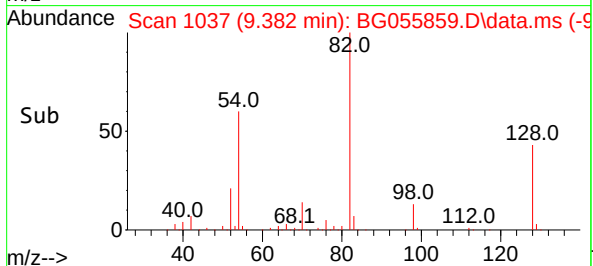
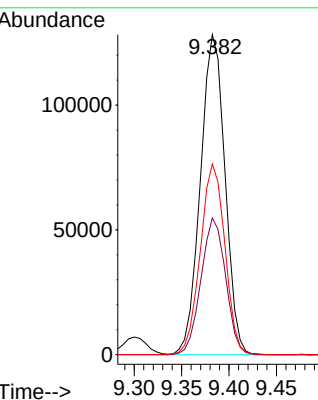
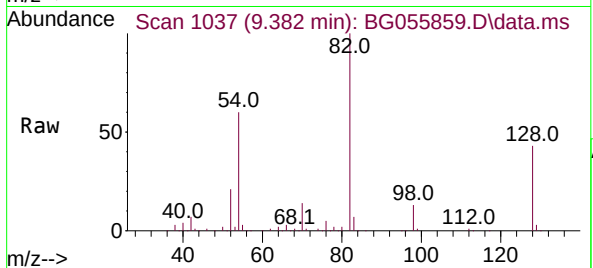
54 59.6 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#24

Nitrobenzene

Concen: 42.532 ng

RT: 9.424 min Scan# 1044

Delta R.T. -0.004 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

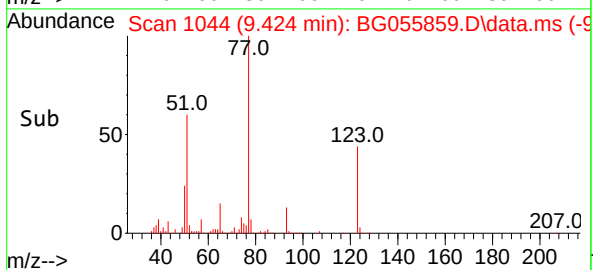
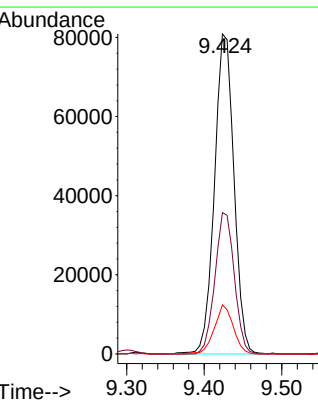
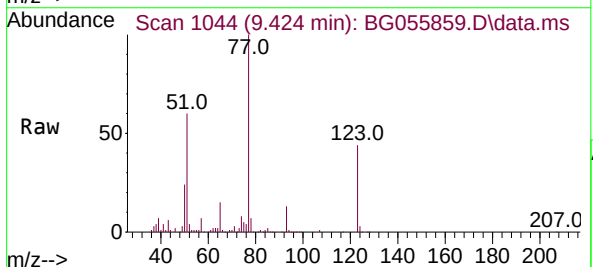
Tgt Ion: 77 Resp: 141547

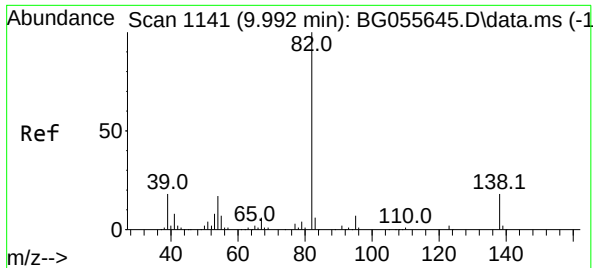
Ion Ratio Lower Upper

77 100

123 44.1 35.5 53.3

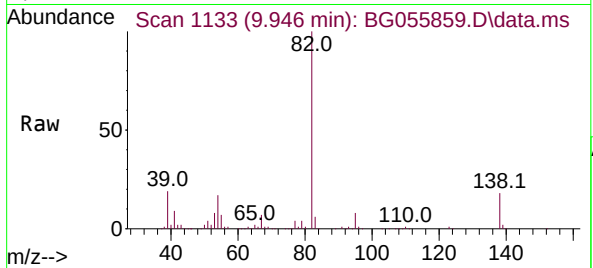
65 15.3 11.5 17.3





#25  
Isophorone  
Concen: 43.111 ng  
RT: 9.946 min Scan# 1141  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

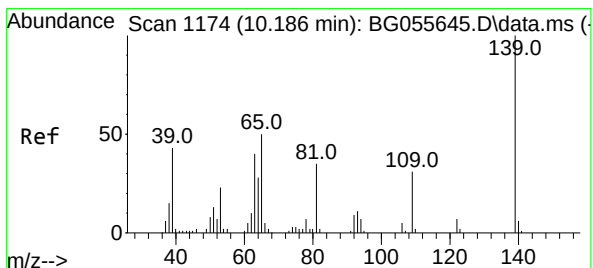
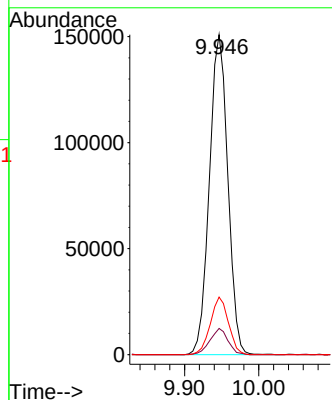
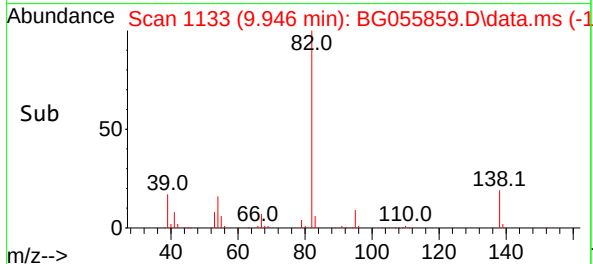
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



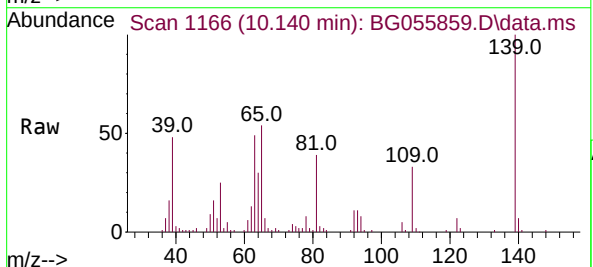
Tgt Ion: 82 Resp: 26025  
Ion Ratio Lower Upper  
82 100  
95 8.2 5.5 8.3  
138 18.0 14.2 21.4

Manual Integrations  
APPROVED

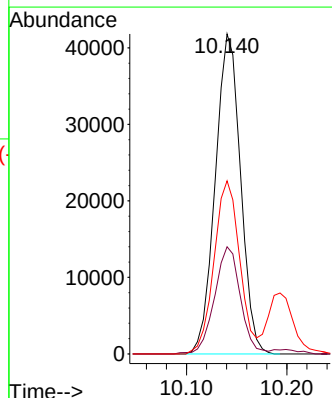
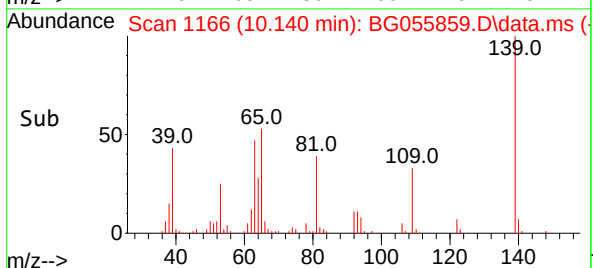
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



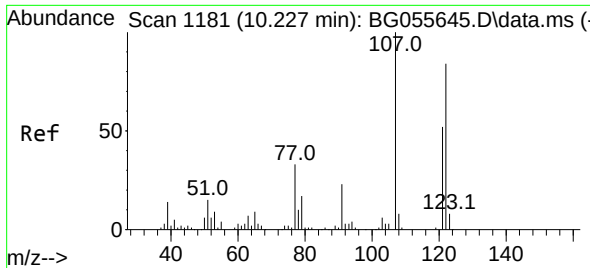
#26  
2-Nitrophenol  
Concen: 47.650 ng  
RT: 10.140 min Scan# 1166  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:139 Resp: 73206  
Ion Ratio Lower Upper  
139 100  
109 33.5 24.4 36.6  
65 54.1 40.2 60.2

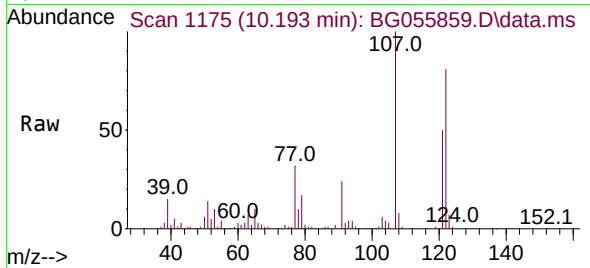






#27  
2,4-Dimethylphenol  
Concen: 52.898 ng m  
RT: 10.193 min Scan# 1181  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

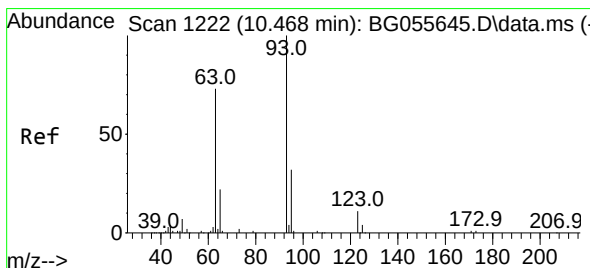
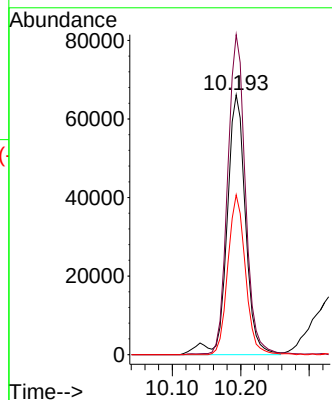
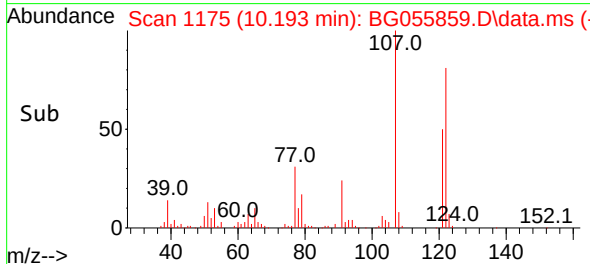
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:122 Resp: 12368  
Ion Ratio Lower Upper  
122 100  
107 123.2 95.8 143.6  
121 61.5 49.6 74.4

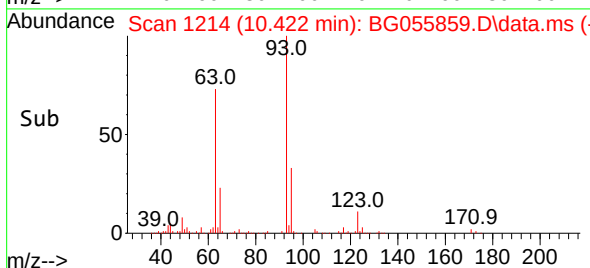
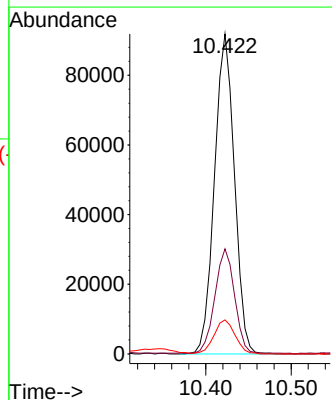
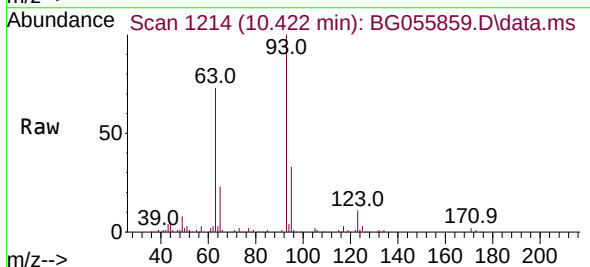
Manual Integrations  
APPROVED

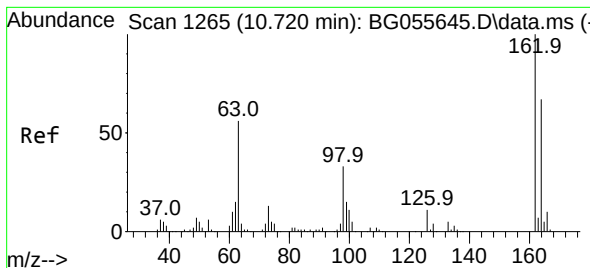
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.978 ng  
RT: 10.422 min Scan# 1214  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

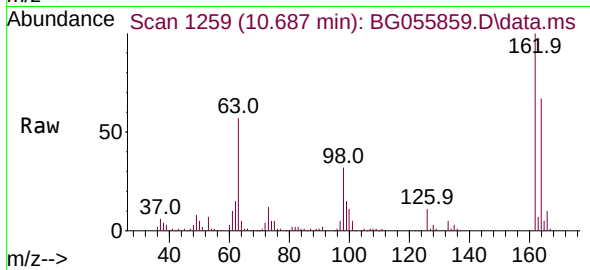
Tgt Ion: 93 Resp: 149011  
Ion Ratio Lower Upper  
93 100  
95 32.8 25.7 38.5  
123 10.6 8.9 13.3





#29  
2,4-Dichlorophenol  
Concen: 46.513 ng  
RT: 10.687 min Scan# 1259  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

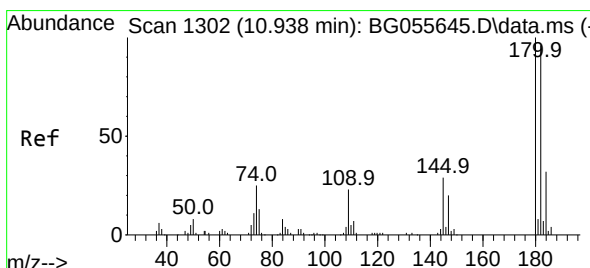
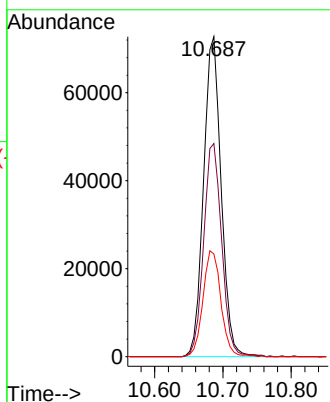
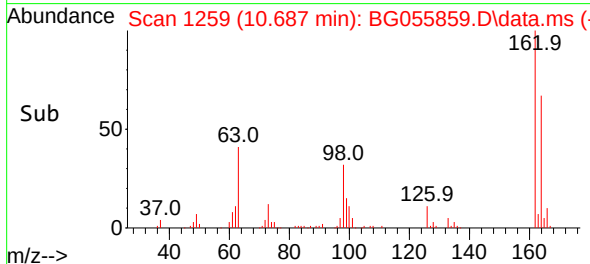
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



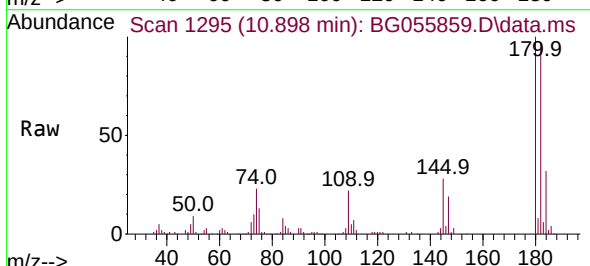
Tgt Ion:162 Resp: 130174  
Ion Ratio Lower Upper  
162 100  
164 66.6 46.7 86.7  
98 32.1 12.8 52.8

Manual Integrations  
APPROVED

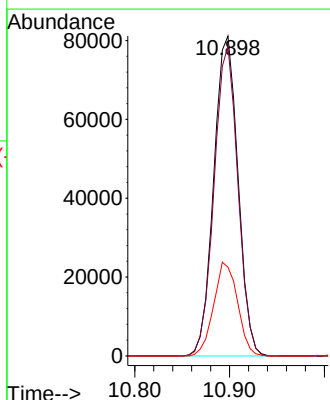
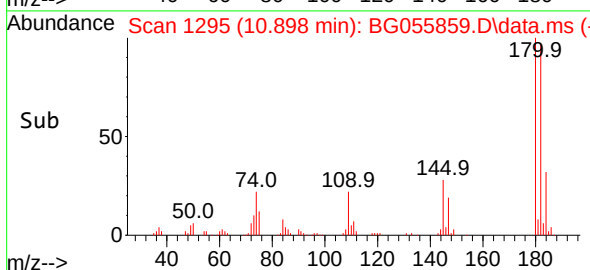
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

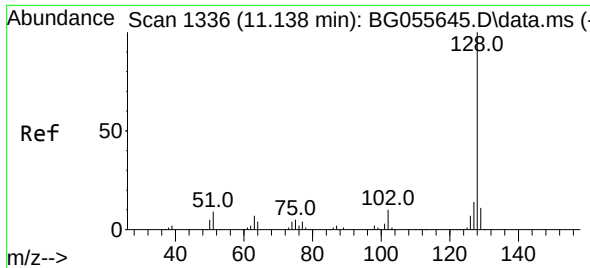


#30  
1,2,4-Trichlorobenzene  
Concen: 44.252 ng  
RT: 10.898 min Scan# 1295  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



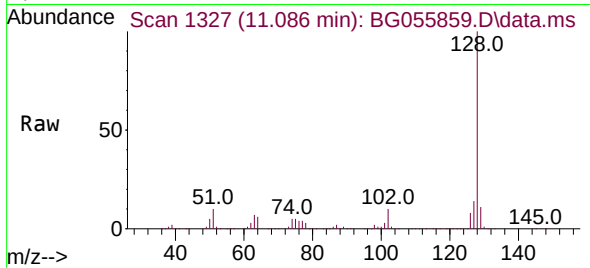
Tgt Ion:180 Resp: 143882  
Ion Ratio Lower Upper  
180 100  
182 96.8 77.1 115.7  
145 27.7 22.9 34.3





#31  
Naphthalene  
Concen: 43.552 ng  
RT: 11.086 min Scan# 1336  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

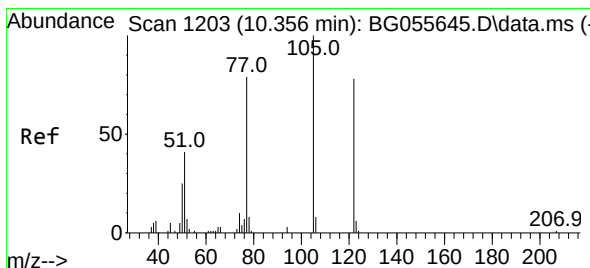
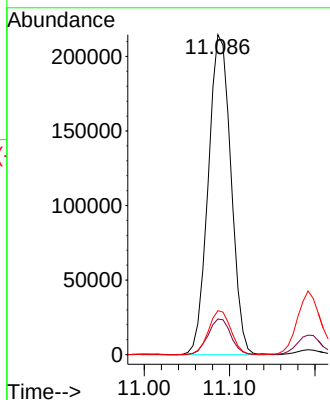
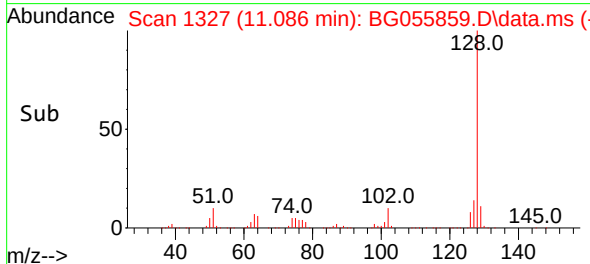
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:128 Resp: 396483  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.7 10.9 16.3

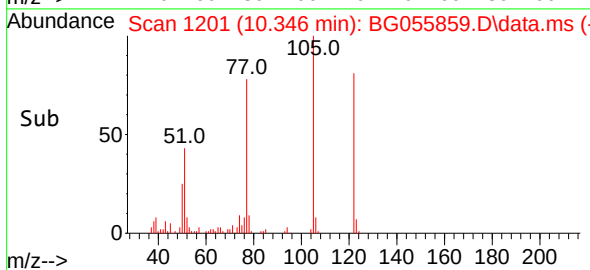
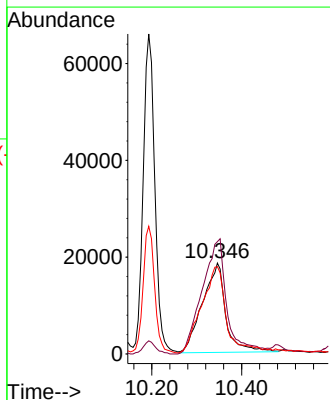
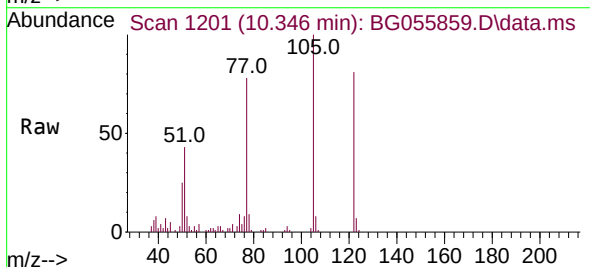
Manual Integrations  
APPROVED

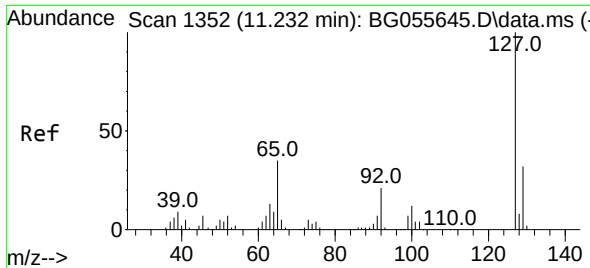
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#32  
Benzoic acid  
Concen: 34.673 ng  
RT: 10.346 min Scan# 1201  
Delta R.T. 0.014 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

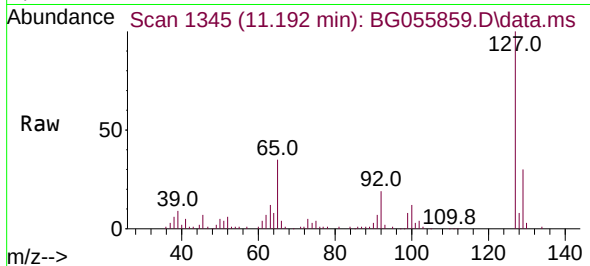
Tgt Ion:122 Resp: 66701  
Ion Ratio Lower Upper  
122 100  
105 123.7 104.3 144.3  
77 96.2 79.9 119.9





#33  
4-Chloroaniline  
Concen: 22.238 ng  
RT: 11.192 min Scan# 1352  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

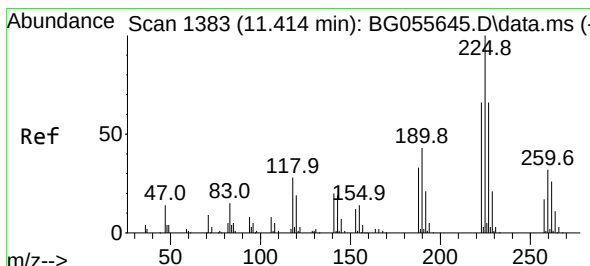
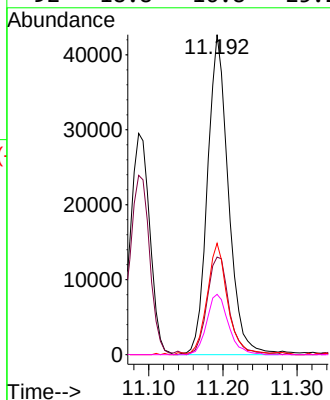
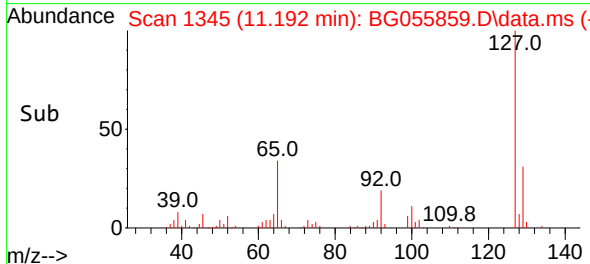
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



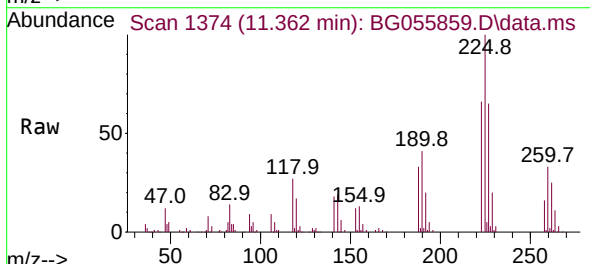
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 30.5  | 25.9  | 38.9  |
| 65      | 34.8  | 27.9  | 41.9  |
| 92      | 18.8  | 16.8  | 25.2  |

Manual Integrations  
APPROVED

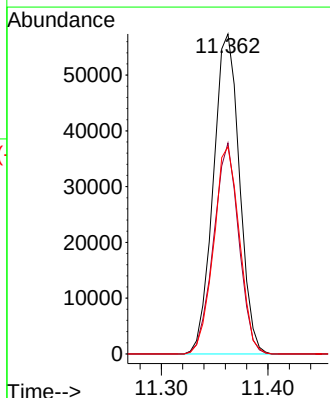
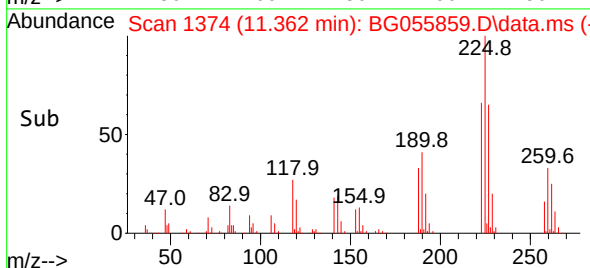
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

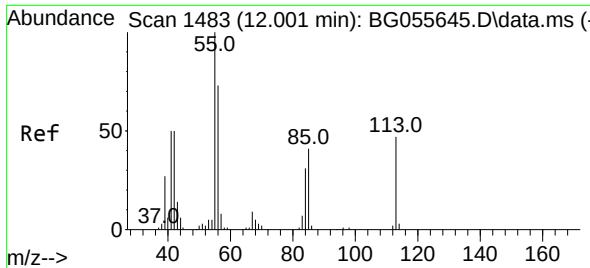


#34  
Hexachlorobutadiene  
Concen: 44.046 ng  
RT: 11.362 min Scan# 1374  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



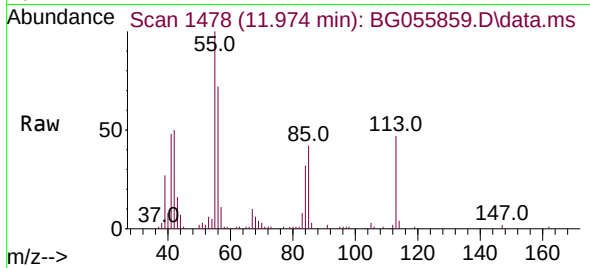
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.9  | 52.9  | 79.3  |
| 227     | 64.7  | 52.6  | 79.0  |





#35  
Caprolactam  
Concen: 41.714 ng m  
RT: 11.974 min Scan# 1483  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

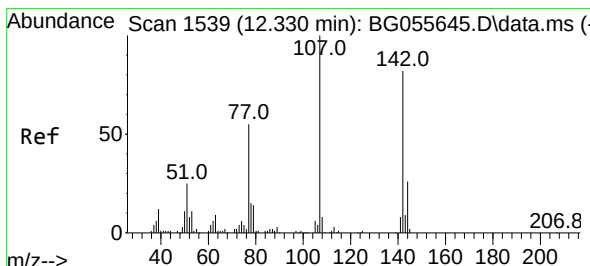
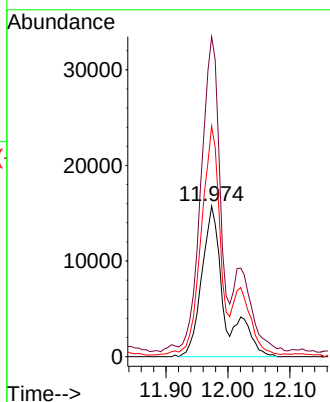
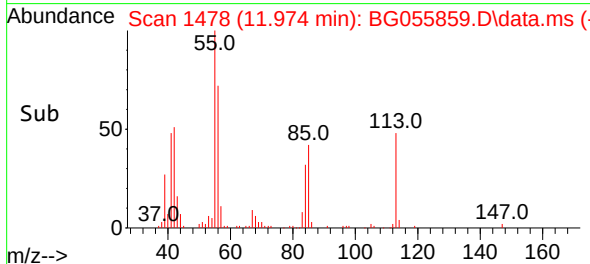
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



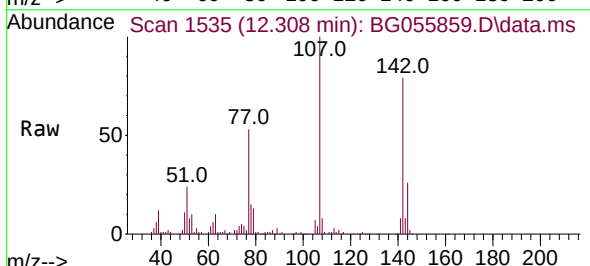
Tgt Ion:113 Resp: 40399  
Ion Ratio Lower Upper  
113 100  
55 212.7 193.5 233.5  
56 153.2 135.2 175.2

Manual Integrations  
APPROVED

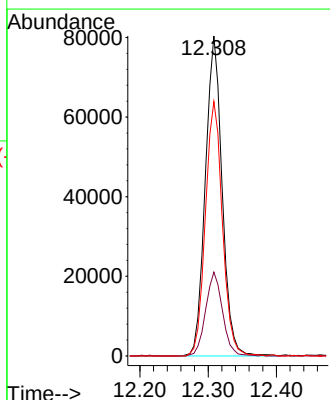
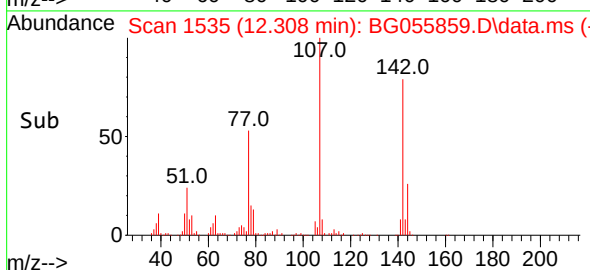
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

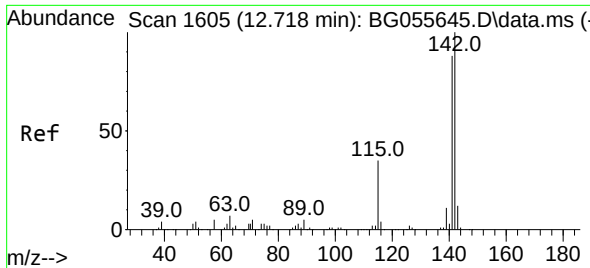


#36  
4-Chloro-3-methylphenol  
Concen: 44.651 ng  
RT: 12.308 min Scan# 1535  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



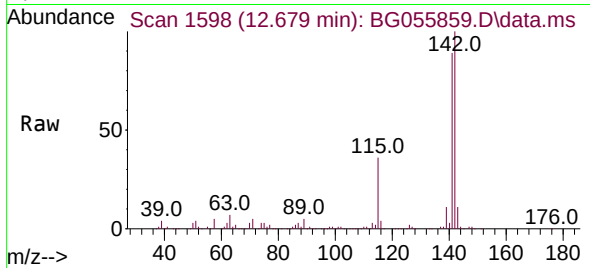
Tgt Ion:107 Resp: 137346  
Ion Ratio Lower Upper  
107 100  
144 26.2 21.0 31.4  
142 79.5 65.9 98.9





#37  
2-Methylnaphthalene  
Concen: 44.271 ng  
RT: 12.679 min Scan# 1605  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

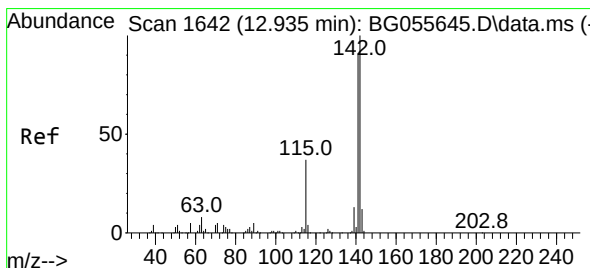
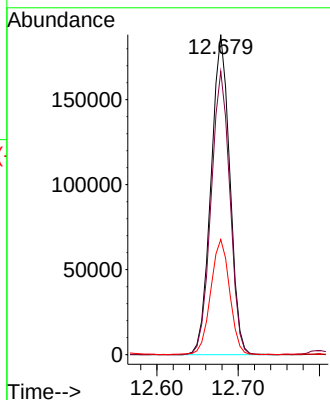
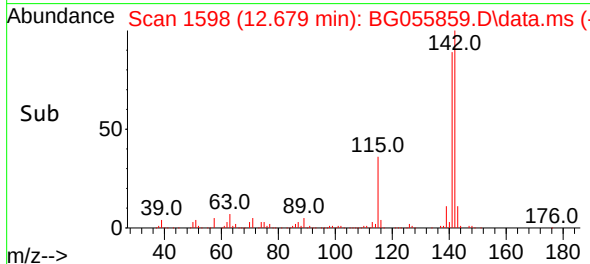
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



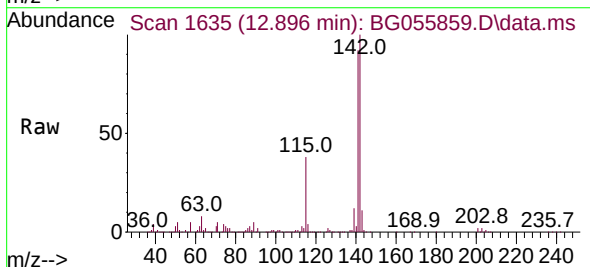
Tgt Ion:142 Resp: 301760  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.3 105.5  
115 36.0 27.9 41.9

Manual Integrations  
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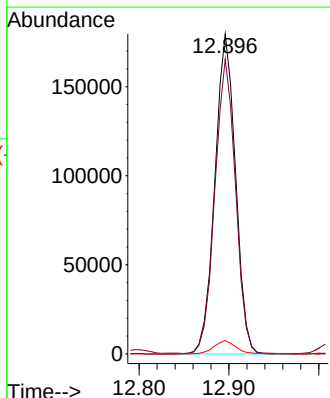
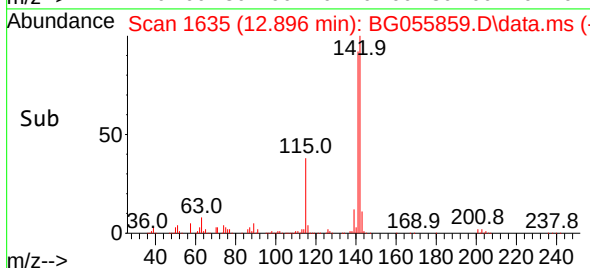
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

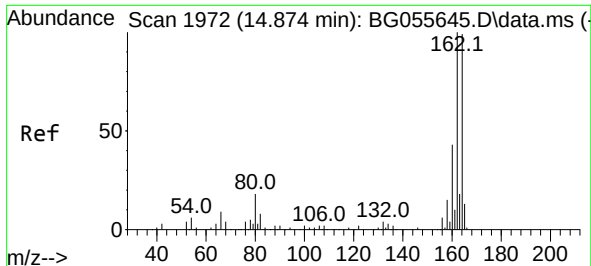


#38  
1-Methylnaphthalene  
Concen: 43.536 ng  
RT: 12.896 min Scan# 1635  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:142 Resp: 288085  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.0 109.4  
116 4.2 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.835 min Scan# 1972

Delta R.T. -0.004 min

Lab File: BG055859.D

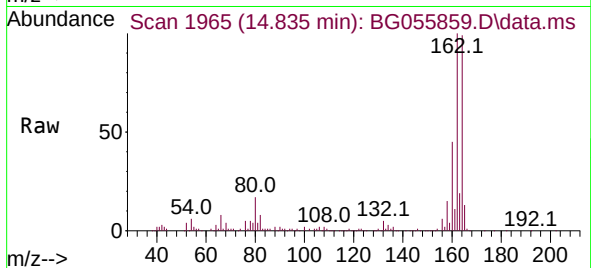
Acq: 1 Dec 2022 17:19

Instrument :

BNA\_G

ClientSampleId :

OE-2-113022MS



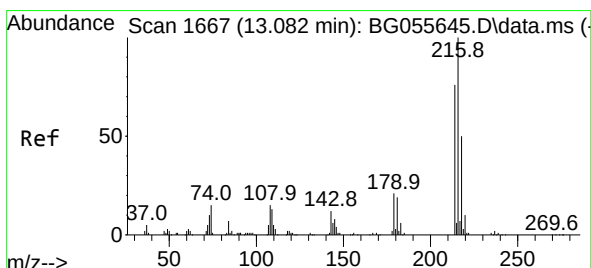
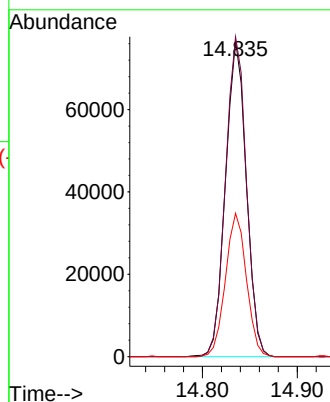
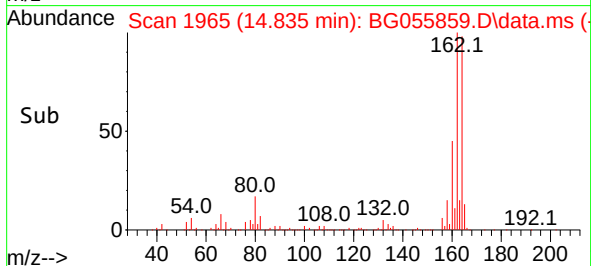
| Tgt Ion:  | 164   | Resp: | 116914 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.2 | 81.1  | 121.7  |
| 160       | 45.3  | 34.8  | 52.2   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.765 ng

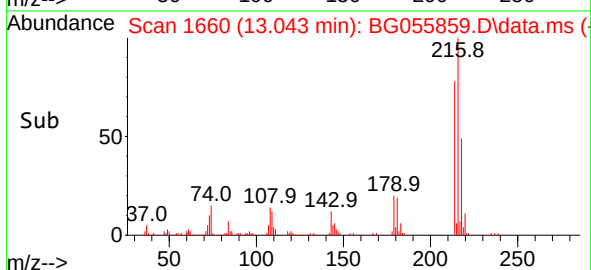
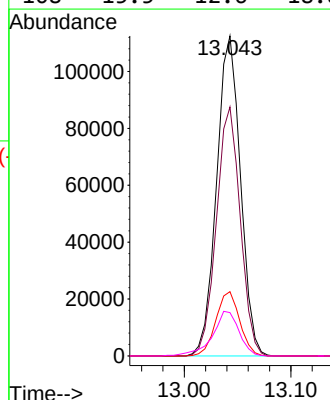
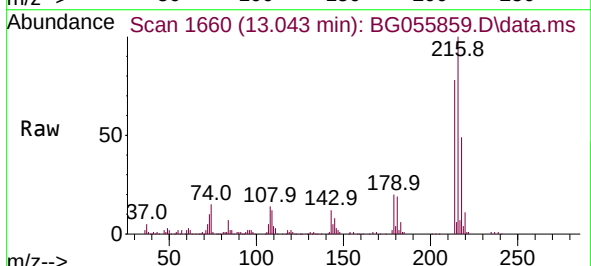
RT: 13.043 min Scan# 1660

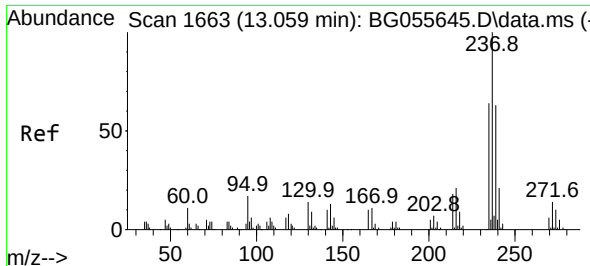
Delta R.T. 0.002 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

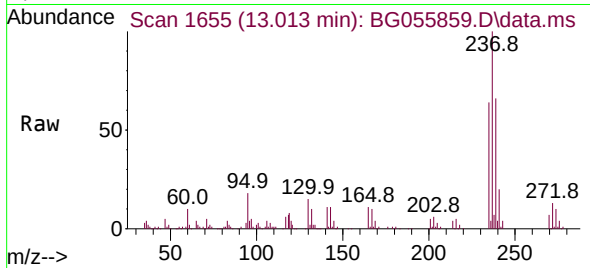
| Tgt Ion:  | 216   | Resp: | 175491 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 77.4  | 62.1  | 93.1   |
| 179       | 20.0  | 16.5  | 24.7   |
| 108       | 15.5  | 12.6  | 18.8   |





#41  
Hexachlorocyclopentadiene  
Concen: 53.416 ng  
RT: 13.013 min Scan# 10  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

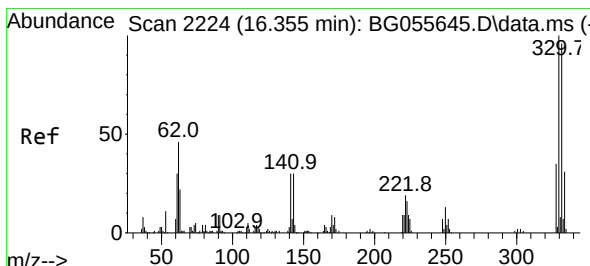
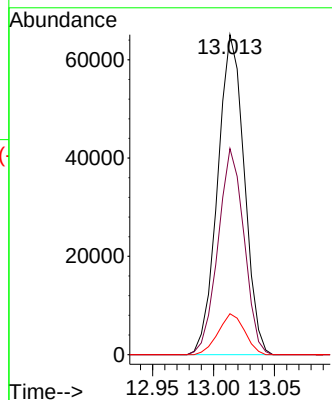
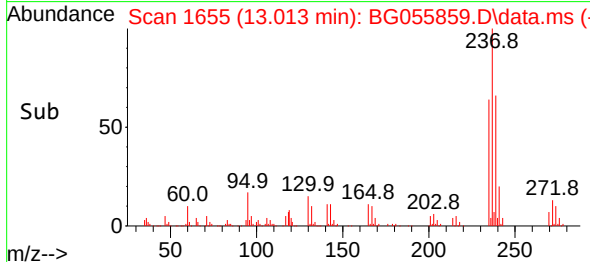
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



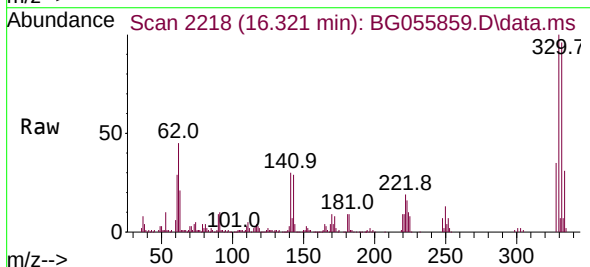
Tgt Ion:237 Resp: 98914  
Ion Ratio Lower Upper  
237 100  
235 64.4 43.7 83.7  
272 12.8 0.0 33.6

Manual Integrations  
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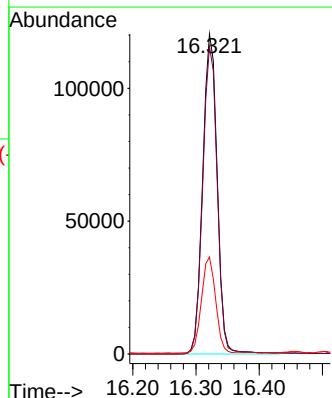
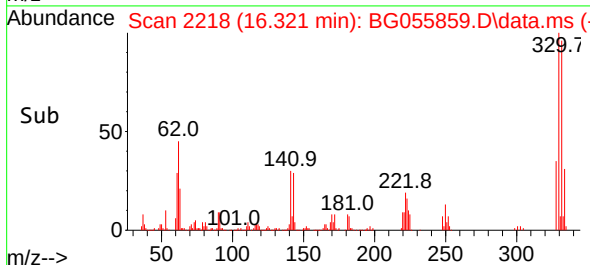
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



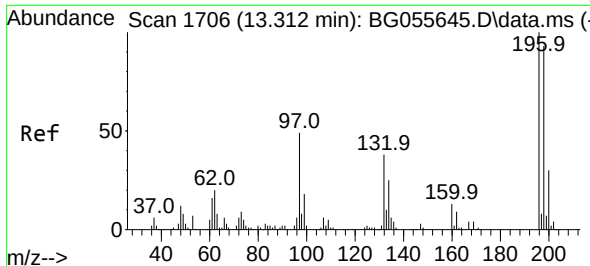
#42  
2,4,6-Tribromophenol  
Concen: 116.705 ng  
RT: 16.321 min Scan# 2218  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:330 Resp: 192131  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.8 116.8  
141 29.4 23.9 35.9







#43

2,4,6-Trichlorophenol

Concen: 45.385 ng

RT: 13.278 min Scan# 1714

Delta R.T. -0.004 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

Instrument :

BNA\_G

ClientSampleId :

OE-2-113022MS

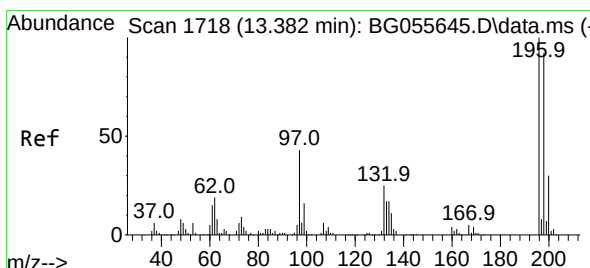
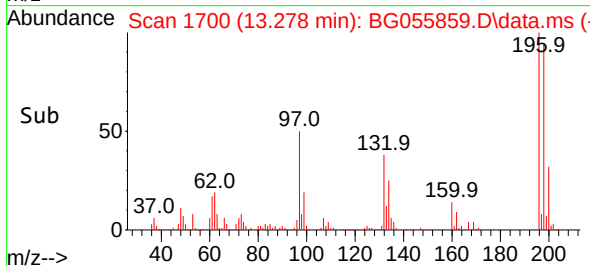
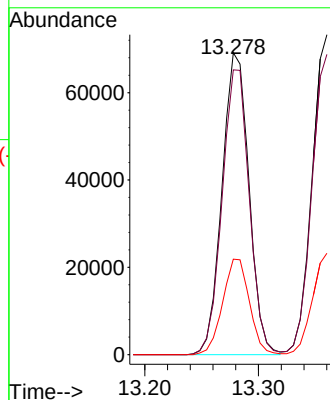
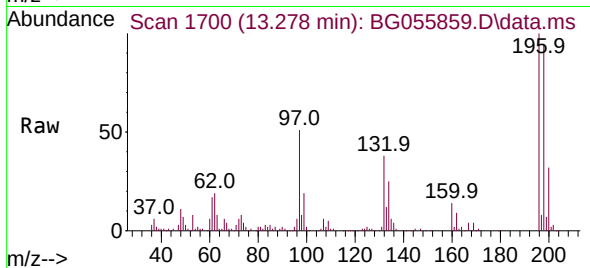
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 113745     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 94.3  | 74.6 112.0 |
| 200         | 31.6  | 23.7 35.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#44

2,4,5-Trichlorophenol

Concen: 45.047 ng

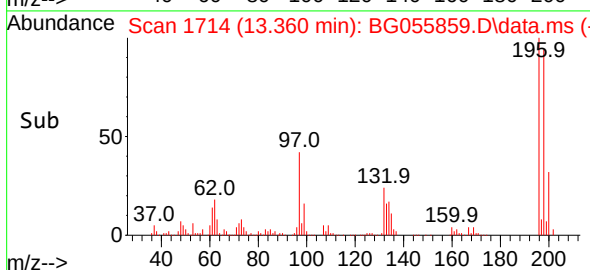
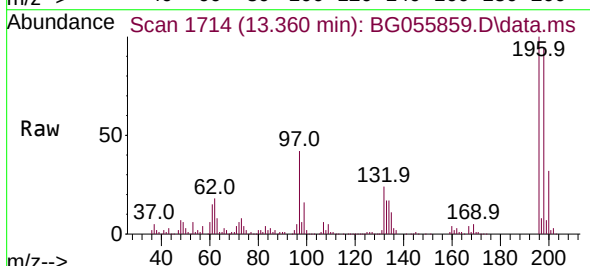
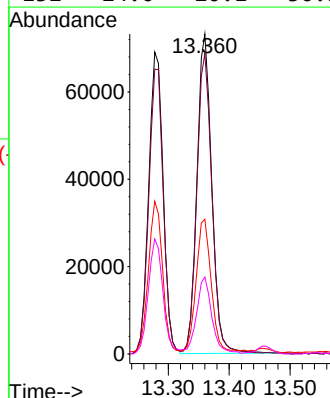
RT: 13.360 min Scan# 1714

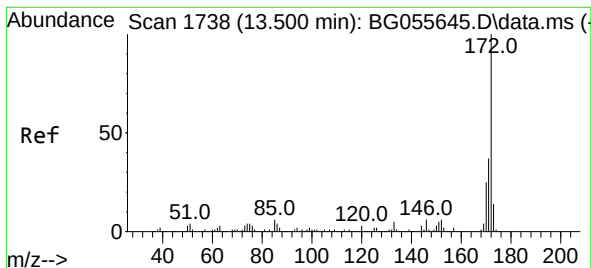
Delta R.T. 0.002 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 124067     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 93.8  | 74.1 111.1 |
| 97          | 42.1  | 34.8 52.2  |
| 132         | 24.0  | 20.1 30.1  |





#45

2-Fluorobiphenyl

Concen: 72.542 ng

RT: 13.460 min Scan# 1731

Delta R.T. 0.002 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

Instrument :

BNA\_G

ClientSampleId :

OE-2-113022MS

Tgt Ion:172 Resp: 566119

Ion Ratio Lower Upper

172 100

171 36.7 29.8 44.6

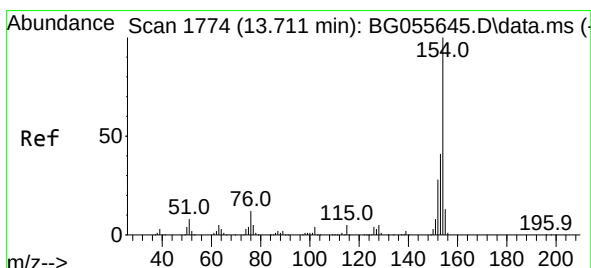
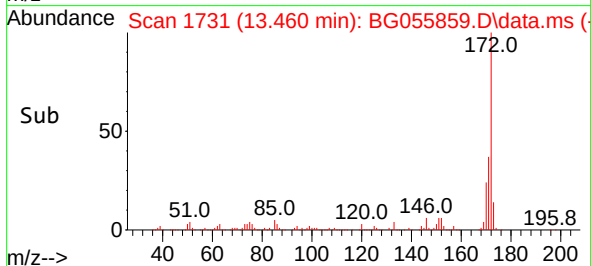
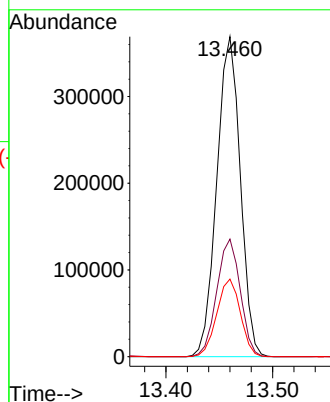
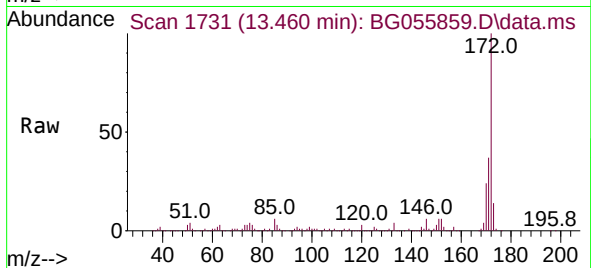
170 24.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#46

1,1'-Biphenyl

Concen: 44.940 ng

RT: 13.672 min Scan# 1767

Delta R.T. 0.002 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

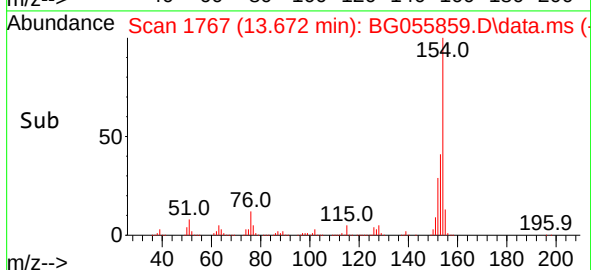
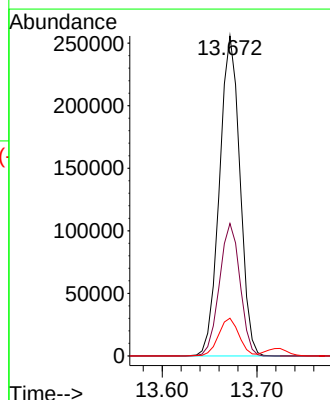
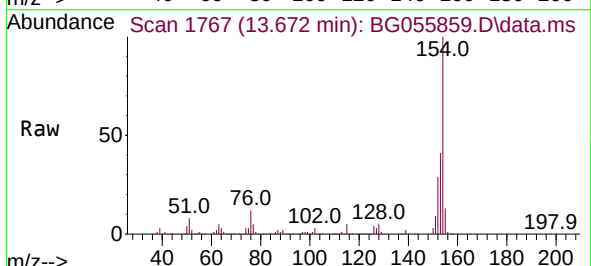
Tgt Ion:154 Resp: 382873

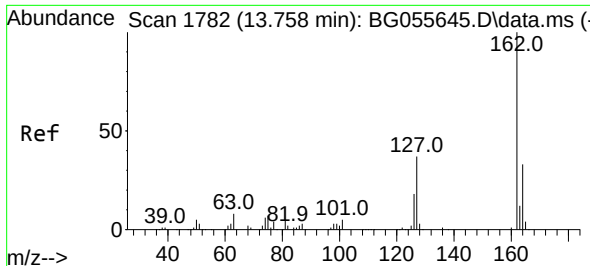
Ion Ratio Lower Upper

154 100

153 41.4 20.6 60.6

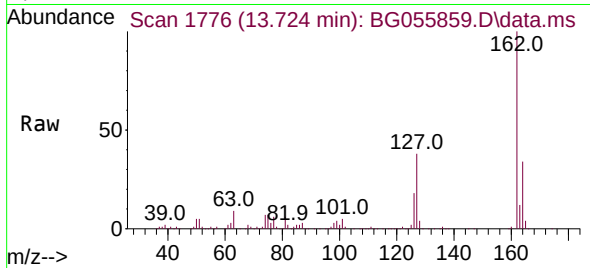
76 11.8 0.0 32.4





#47  
2-Chloronaphthalene  
Concen: 44.022 ng  
RT: 13.724 min Scan# 11  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

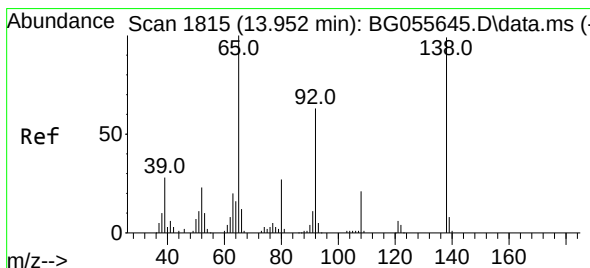
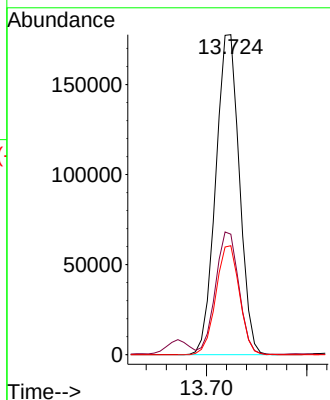
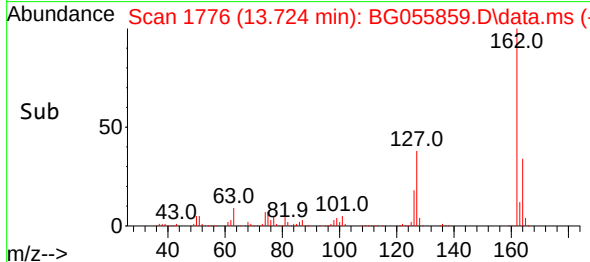
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:162 Resp: 29151  
Ion Ratio Lower Upper  
162 100  
127 37.6 29.9 44.9  
164 34.0 26.4 39.6

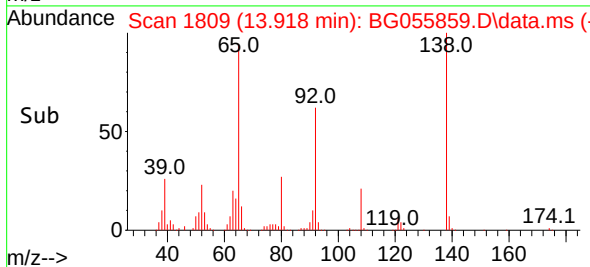
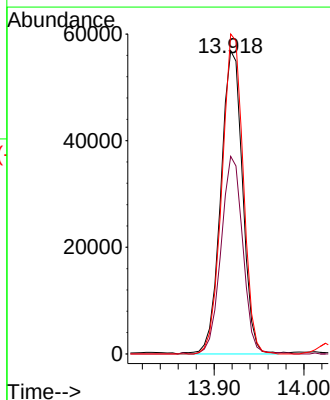
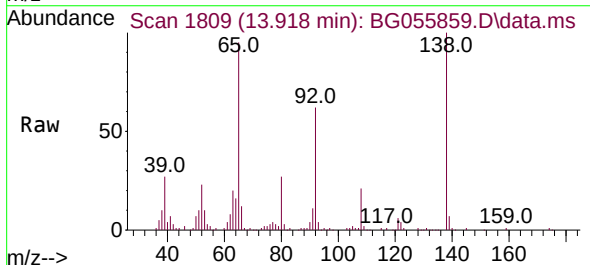
Manual Integrations  
APPROVED

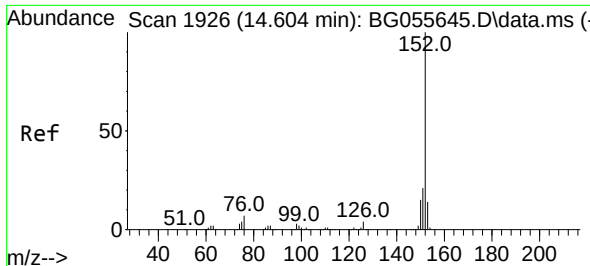
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#48  
2-Nitroaniline  
Concen: 44.025 ng  
RT: 13.918 min Scan# 1809  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

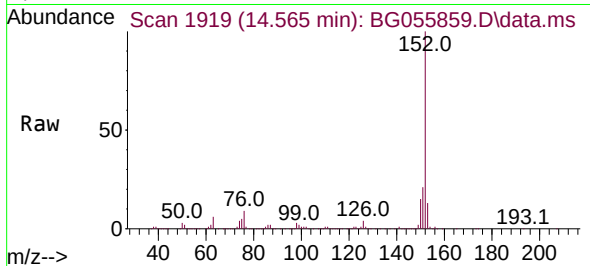
Tgt Ion: 65 Resp: 95851  
Ion Ratio Lower Upper  
65 100  
92 65.2 50.1 75.1  
138 105.6 79.4 119.0





#49  
Acenaphthylene  
Concen: 44.334 ng  
RT: 14.565 min Scan# 1926  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

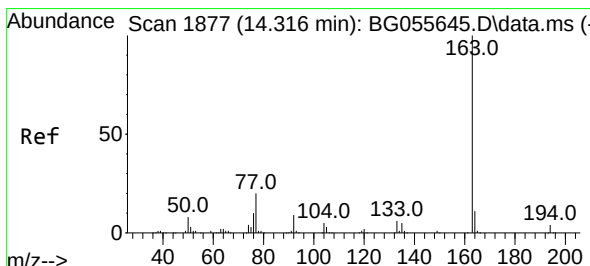
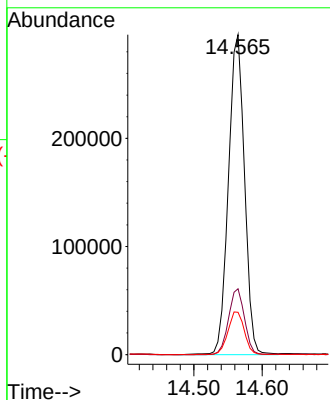
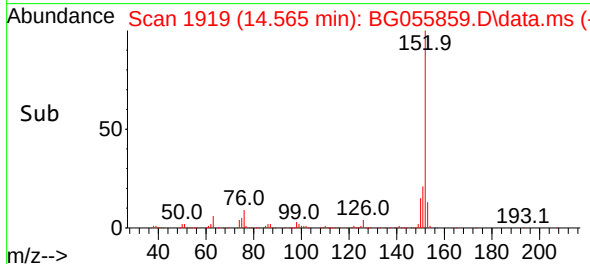
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



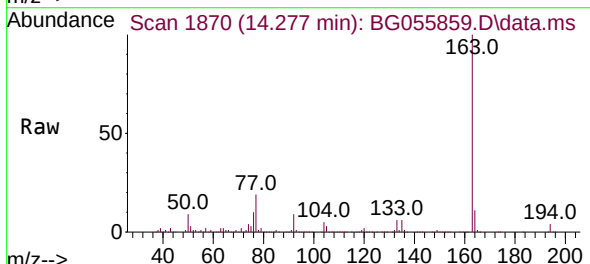
Tgt Ion:152 Resp: 483448  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.4 24.6  
153 13.3 11.0 16.4

Manual Integrations  
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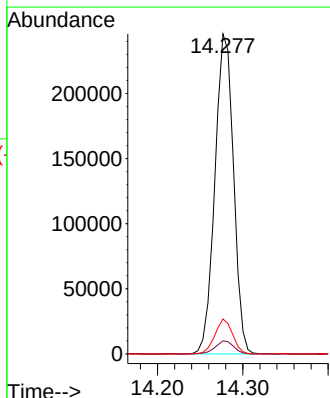
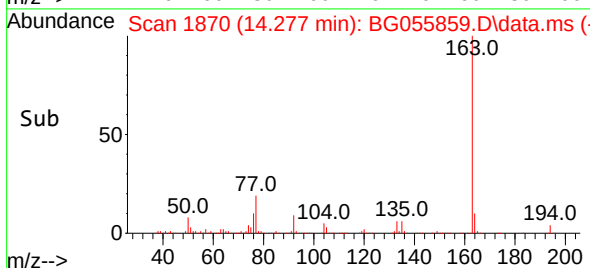
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

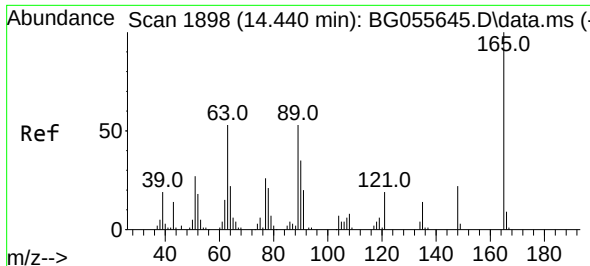


#50  
Dimethylphthalate  
Concen: 39.985 ng  
RT: 14.277 min Scan# 1870  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



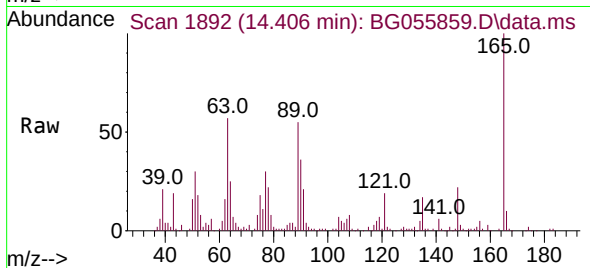
Tgt Ion:163 Resp: 372656  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.4  
164 10.9 8.6 12.8





#51  
2,6-Dinitrotoluene  
Concen: 43.376 ng  
RT: 14.406 min Scan# 1898  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

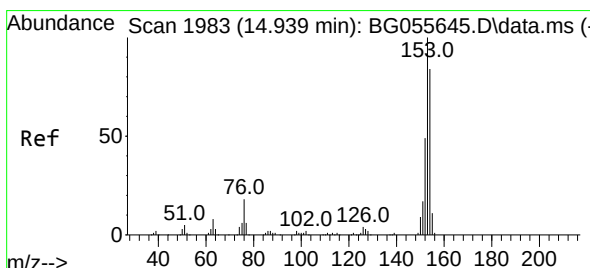
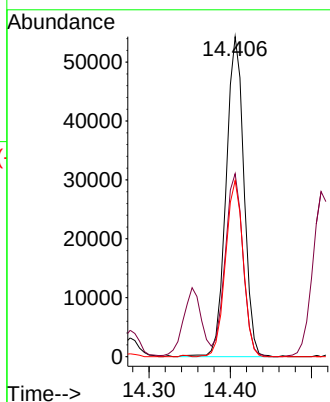
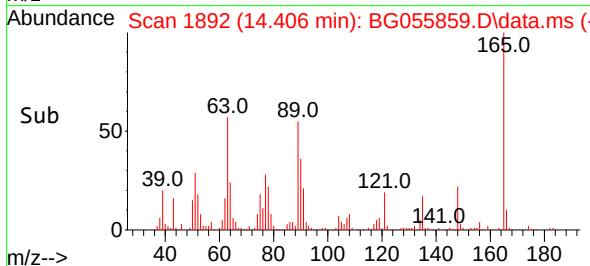
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:165 Resp: 82658  
Ion Ratio Lower Upper  
165 100  
63 57.2 44.6 66.8  
89 55.0 42.2 63.4

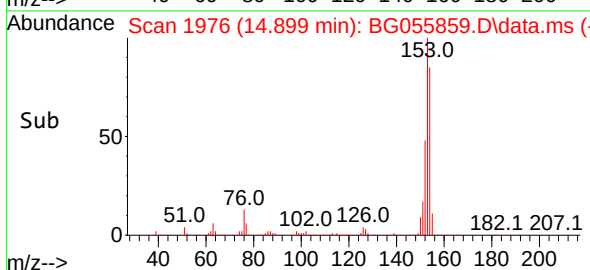
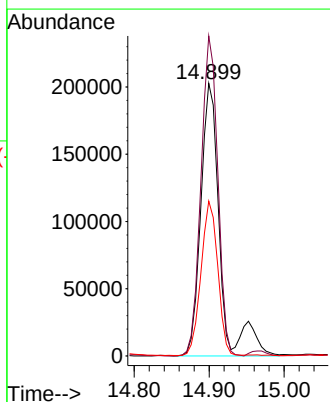
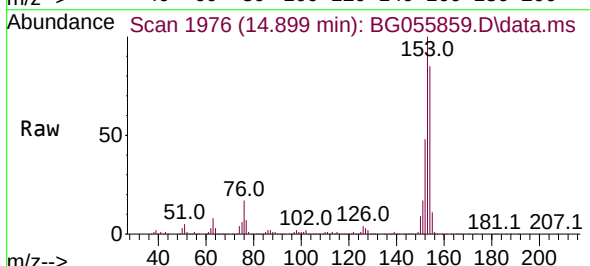
Manual Integrations  
APPROVED

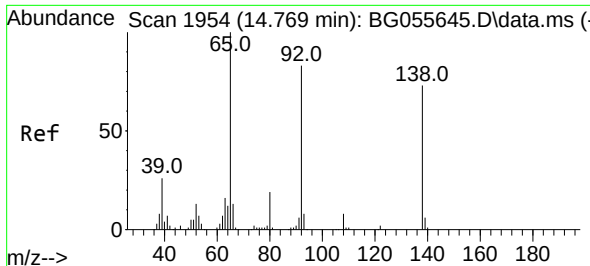
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#52  
Acenaphthene  
Concen: 50.517 ng m  
RT: 14.899 min Scan# 1976  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

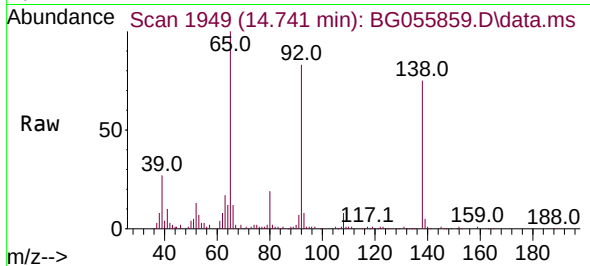
Tgt Ion:154 Resp: 360032  
Ion Ratio Lower Upper  
154 100  
153 117.4 95.0 142.4  
152 56.8 46.1 69.1





#53  
3-Nitroaniline  
Concen: 30.774 ng  
RT: 14.741 min Scan# 1949  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

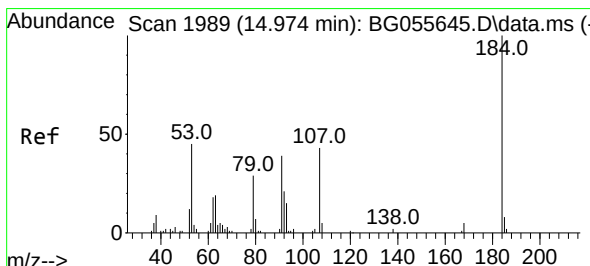
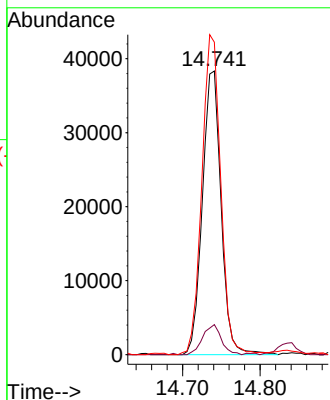
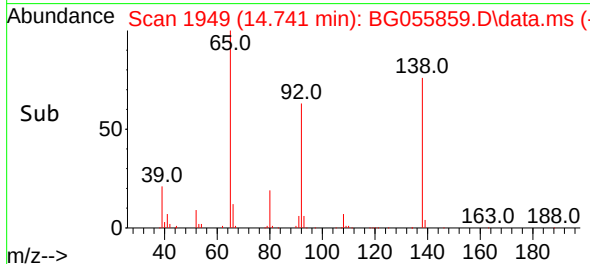
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



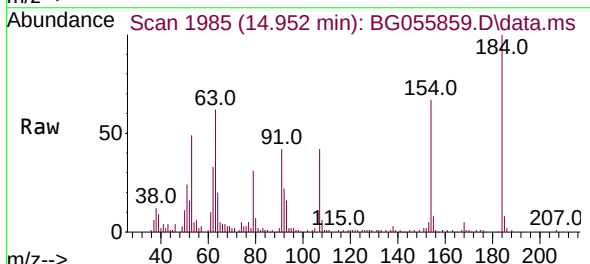
Tgt Ion:138 Resp: 64376  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.5 12.7  
92 110.1 91.0 136.6

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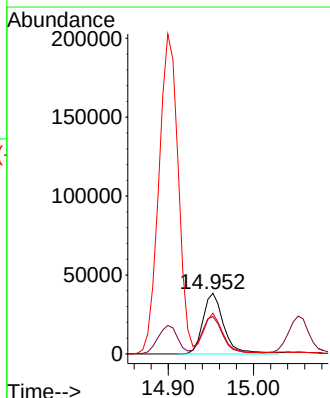
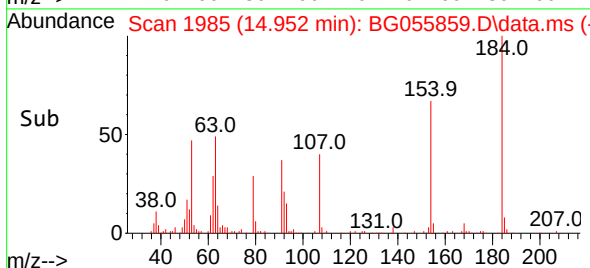
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

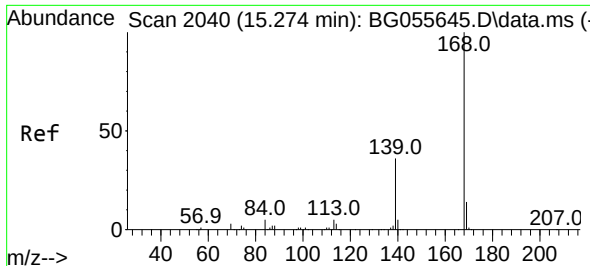


#54  
2,4-Dinitrophenol  
Concen: 59.726 ng  
RT: 14.952 min Scan# 1985  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:184 Resp: 65440  
Ion Ratio Lower Upper  
184 100  
63 61.8 49.5 74.3  
154 67.2 52.0 78.0





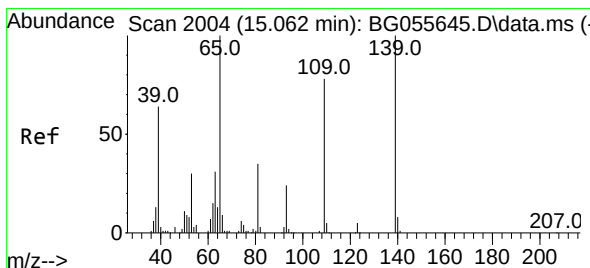
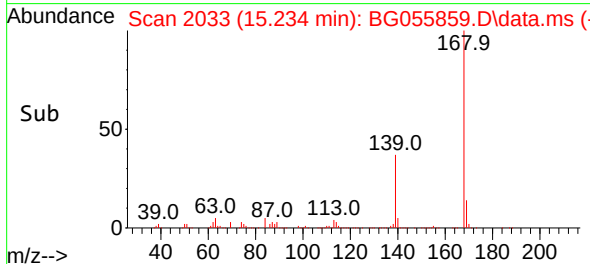
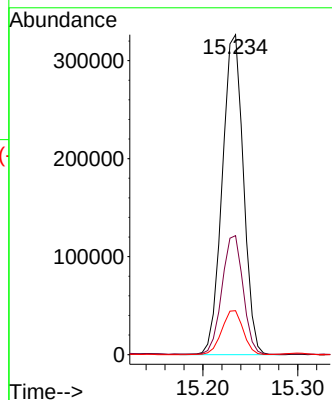
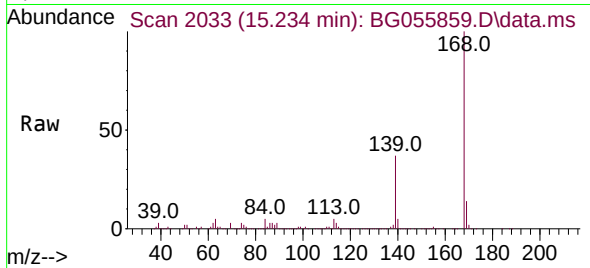
#55  
Dibenzenofuran  
Concen: 46.000 ng  
RT: 15.234 min Scan# 2040  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS

Tgt Ion:168 Resp: 505756  
Ion Ratio Lower Upper  
168 100  
139 37.2 28.8 43.2  
169 13.7 11.0 16.4

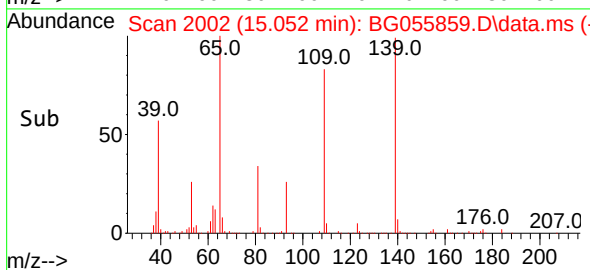
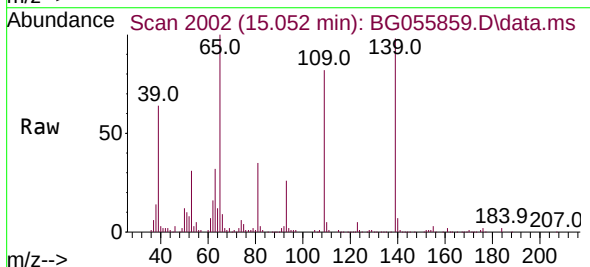
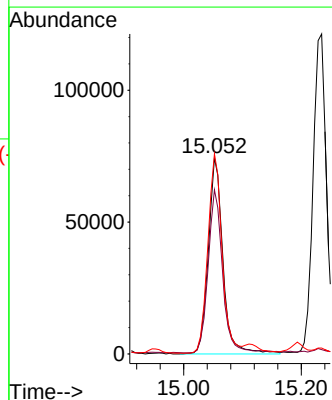
Manual Integrations  
APPROVED

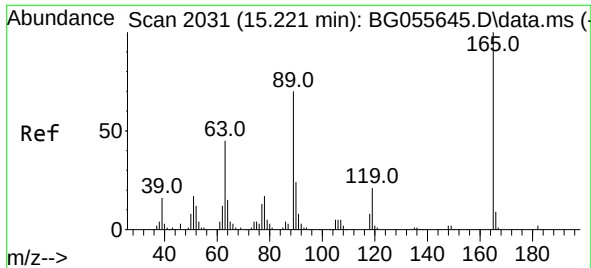
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#56  
4-Nitrophenol  
Concen: 78.268 ng  
RT: 15.052 min Scan# 2002  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Tgt Ion:139 Resp: 128505  
Ion Ratio Lower Upper  
139 100  
109 83.7 58.6 98.6  
65 102.1 80.5 120.5





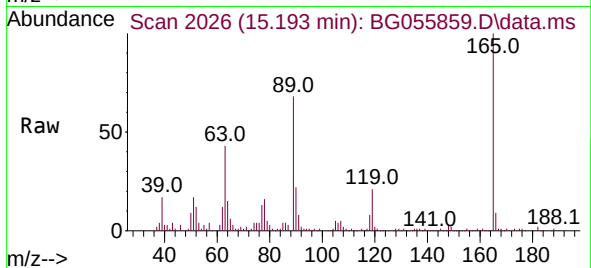
#57  
2,4-Dinitrotoluene  
Concen: 43.464 ng  
RT: 15.193 min Scan# 2031  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :

BNA\_G

ClientSampleId :

OE-2-113022MS

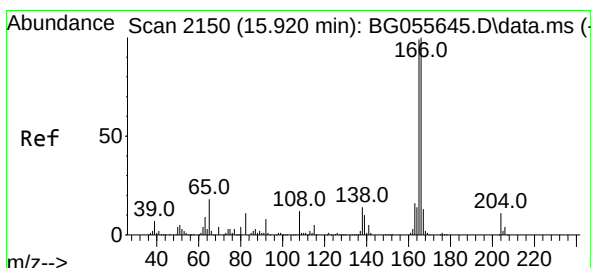
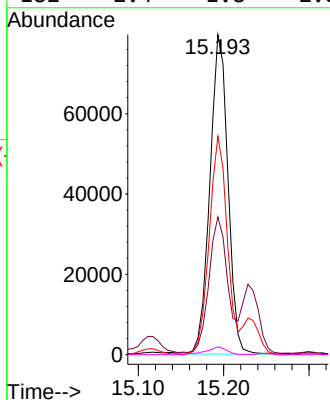
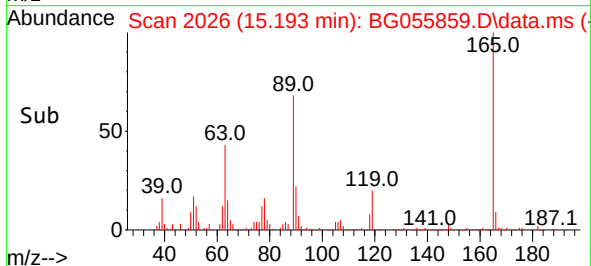


Tgt Ion:165 Resp: 116778  
Ion Ratio Lower Upper  
165 100  
63 43.0 35.8 53.8  
89 68.2 56.2 84.4  
182 2.4 1.8 2.8

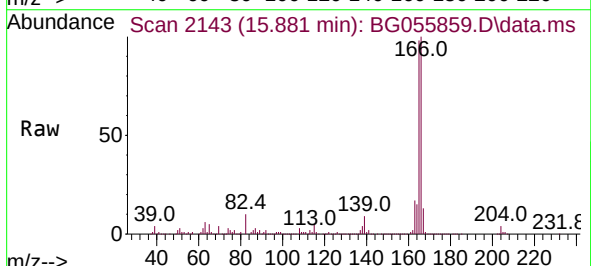
Manual Integrations

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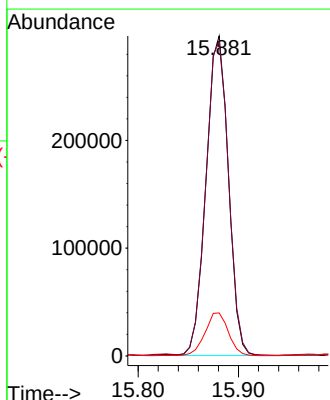
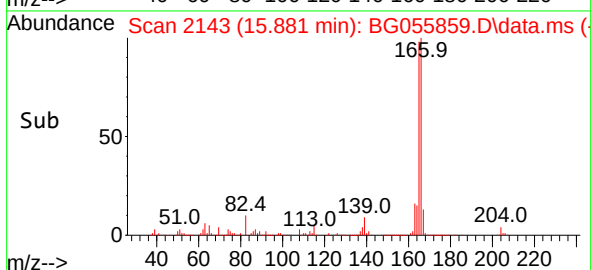
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



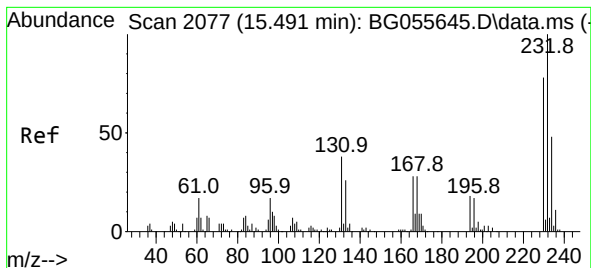
#58  
Fluorene  
Concen: 52.156 ng  
RT: 15.881 min Scan# 2143  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:166 Resp: 458001  
Ion Ratio Lower Upper  
166 100  
165 98.1 79.3 118.9  
167 13.4 10.6 15.8

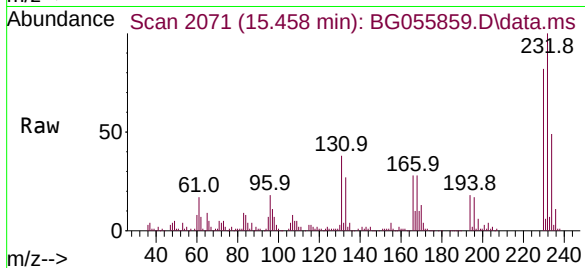






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.521 ng  
RT: 15.458 min Scan# 2077  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

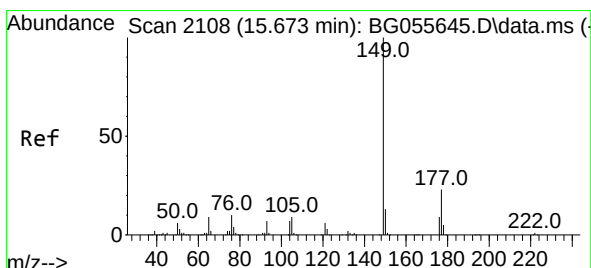
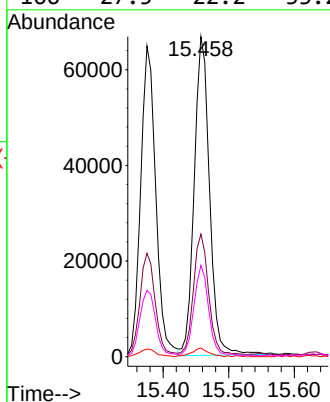
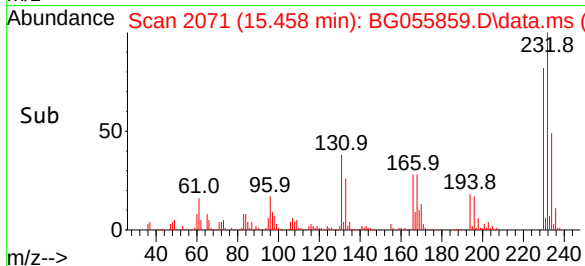
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



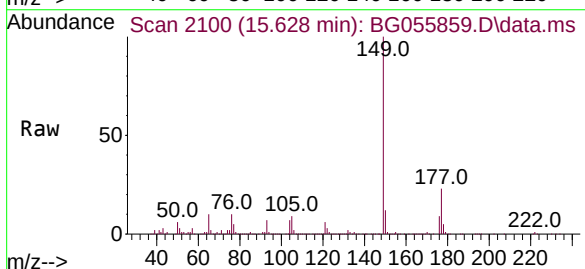
Tgt Ion:232 Resp: 10813  
Ion Ratio Lower Upper  
232 100  
131 37.5 29.8 44.8  
130 2.9 1.7 2.5  
166 27.5 22.2 33.2

Manual Integrations  
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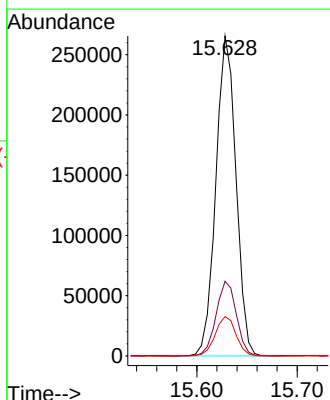
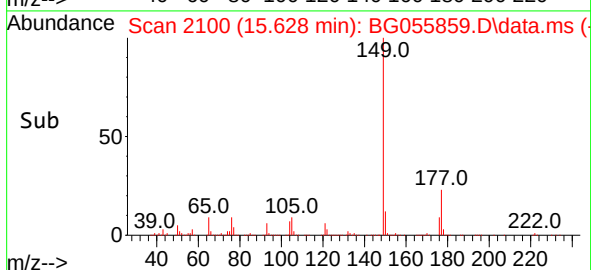
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

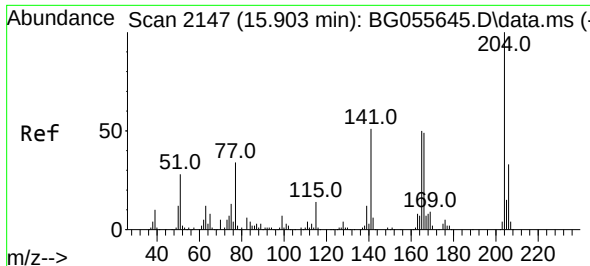


#60  
Diethylphthalate  
Concen: 39.326 ng  
RT: 15.628 min Scan# 2100  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



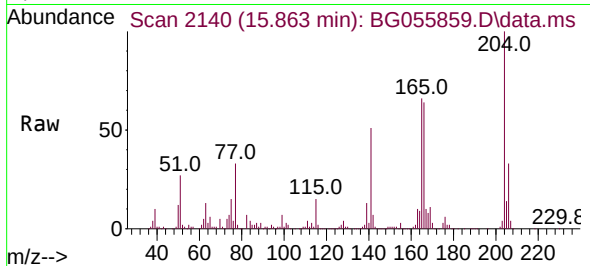
Tgt Ion:149 Resp: 370558  
Ion Ratio Lower Upper  
149 100  
177 23.3 18.3 27.5  
150 12.3 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 42.133 ng  
RT: 15.863 min Scan# 2145  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

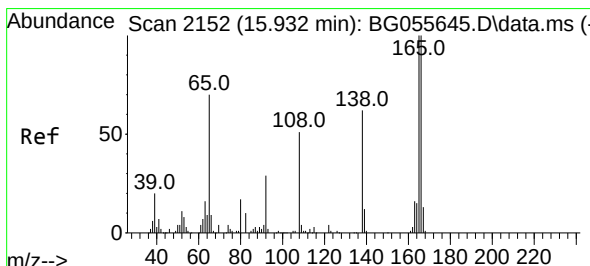
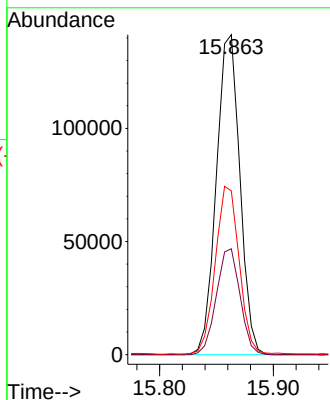
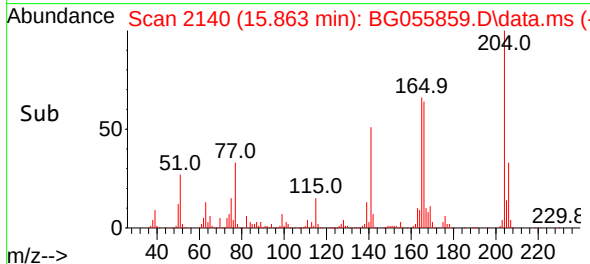
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:204 Resp: 203378  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.6 40.0  
141 51.2 40.6 61.0

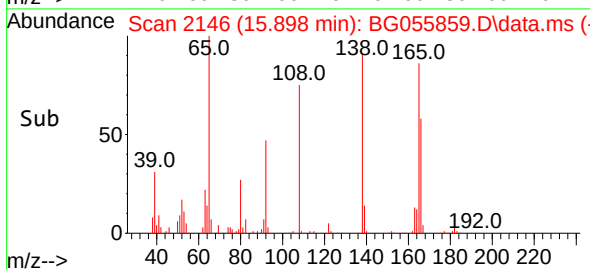
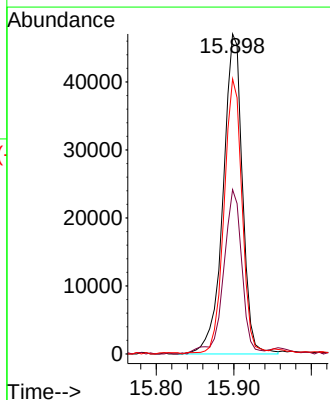
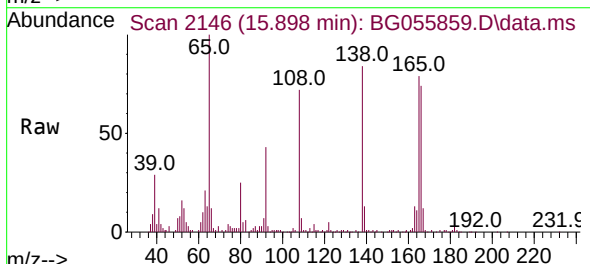
Manual Integrations  
APPROVED

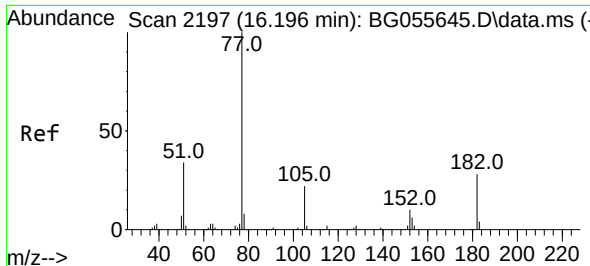
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#62  
4-Nitroaniline  
Concen: 37.286 ng  
RT: 15.898 min Scan# 2146  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

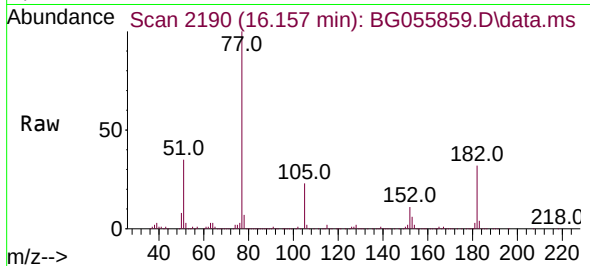
Tgt Ion:138 Resp: 81536  
Ion Ratio Lower Upper  
138 100  
92 51.3 27.3 67.3  
108 85.9 62.8 102.8





#63  
Azobenzene  
Concen: 41.881 ng  
RT: 16.157 min Scan# 2197  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

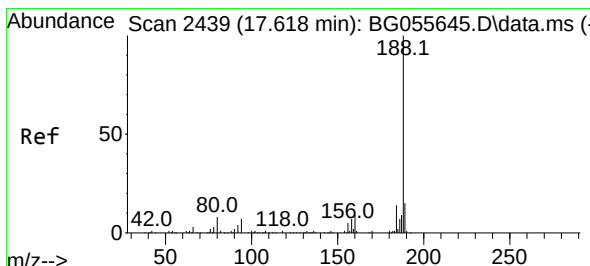
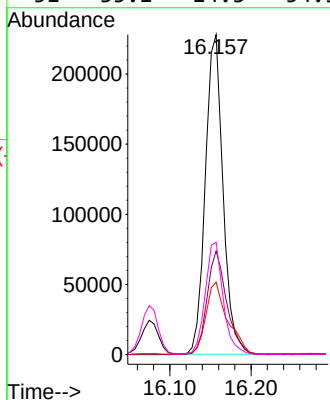
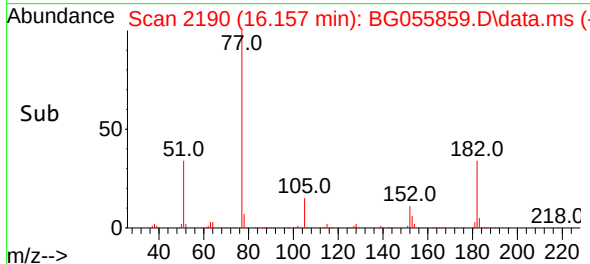
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



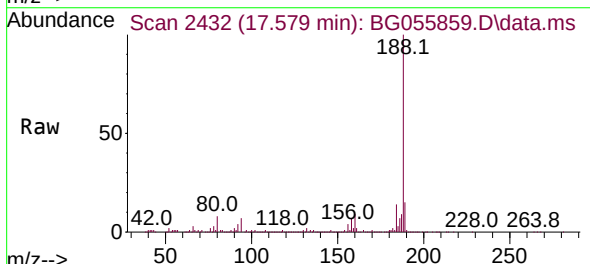
Tgt Ion: 77 Resp: 344532  
Ion Ratio Lower Upper  
77 100  
182 32.4 8.1 48.1  
105 22.6 1.8 41.8  
51 35.1 14.3 54.3

Manual Integrations  
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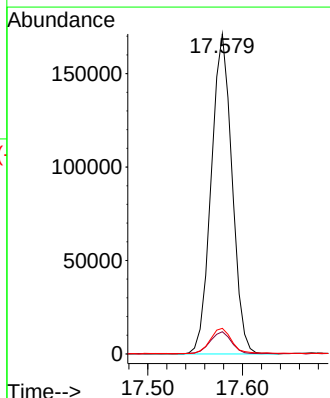
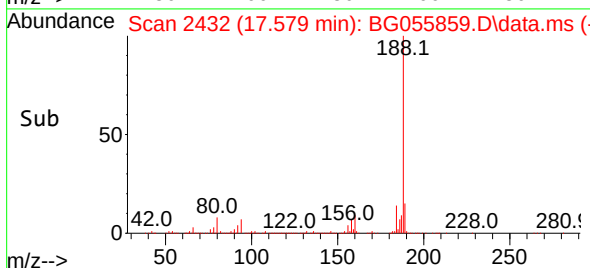
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

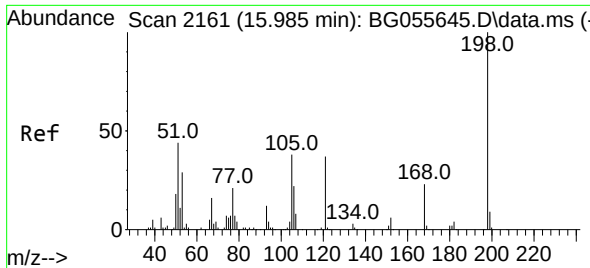


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.579 min Scan# 2432  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:188 Resp: 260648  
Ion Ratio Lower Upper  
188 100  
94 6.9 5.4 8.2  
80 8.0 6.6 10.0





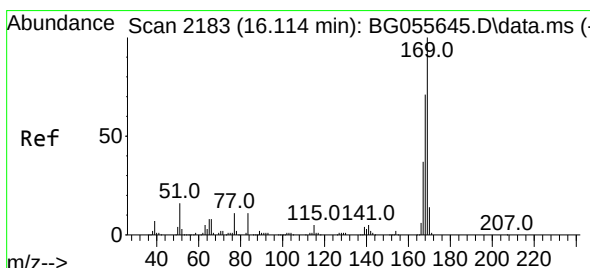
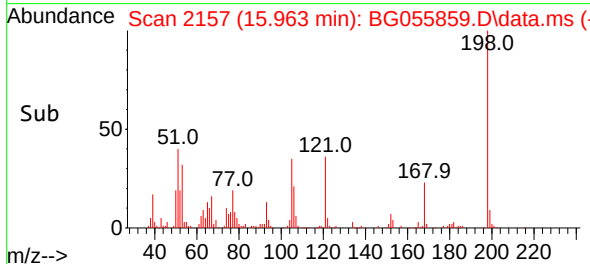
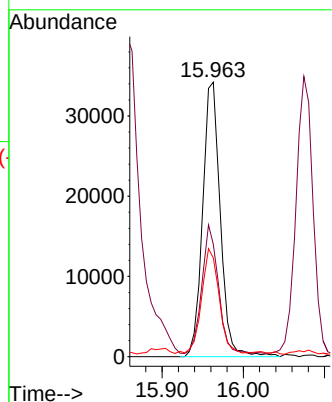
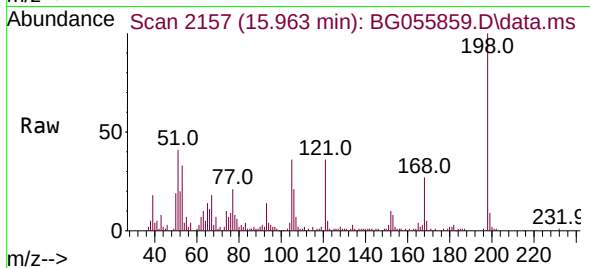
#65  
4,6-Dinitro-2-methylphenol  
Concen: 35.493 ng  
RT: 15.963 min Scan# 2161  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS

Tgt Ion:198 Resp: 51658  
Ion Ratio Lower Upper  
198 100  
51 40.9 27.7 67.7  
105 35.9 19.3 59.3

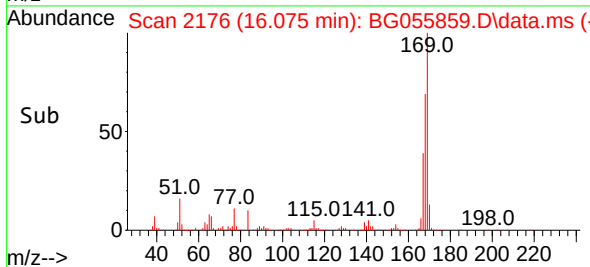
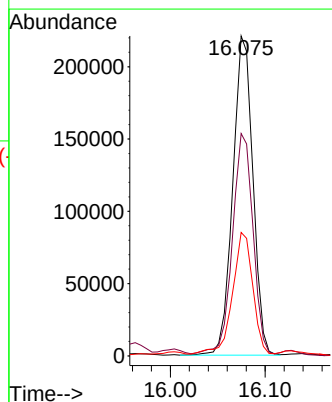
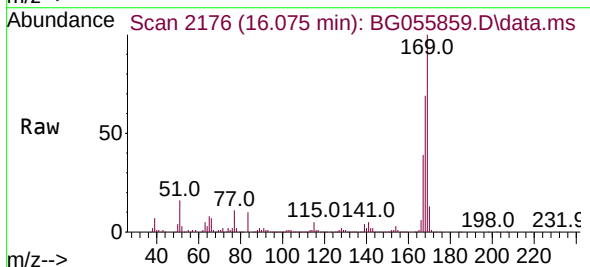
Manual Integrations  
APPROVED

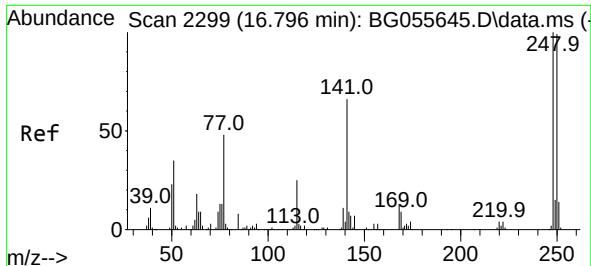
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#66  
n-Nitrosodiphenylamine  
Concen: 45.321 ng  
RT: 16.075 min Scan# 2176  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

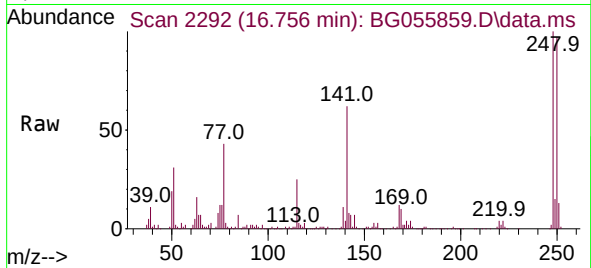
Tgt Ion:169 Resp: 325552  
Ion Ratio Lower Upper  
169 100  
168 69.5 56.6 85.0  
167 38.6 29.9 44.9





#67  
4-Bromophenyl-phenylether  
Concen: 45.000 ng  
RT: 16.756 min Scan# 2111  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

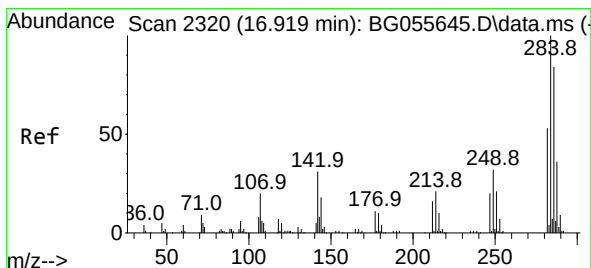
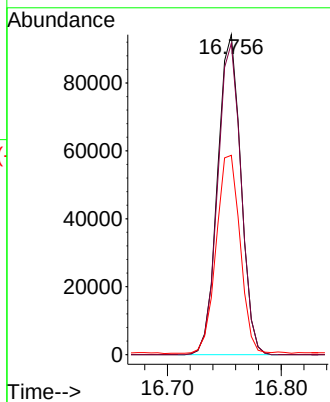
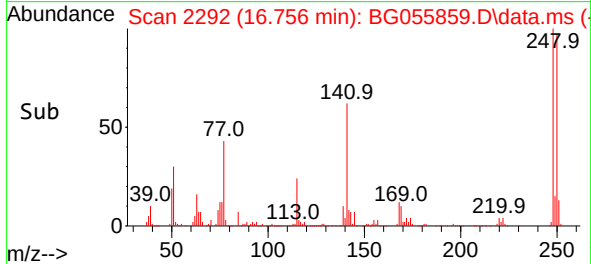
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



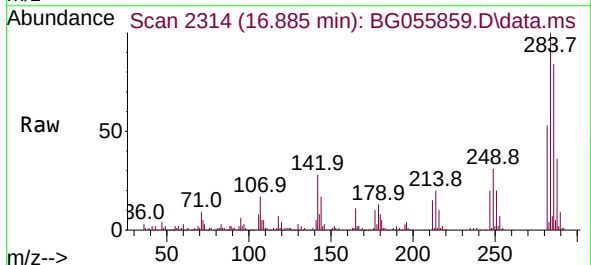
Tgt Ion:248 Resp: 133640  
Ion Ratio Lower Upper  
248 100  
250 97.2 79.0 118.4  
141 62.3 52.9 79.3

Manual Integrations  
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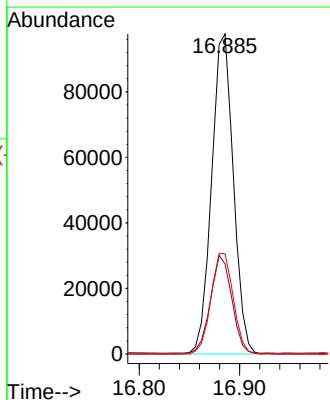
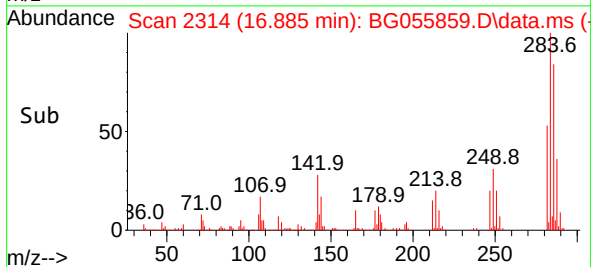
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

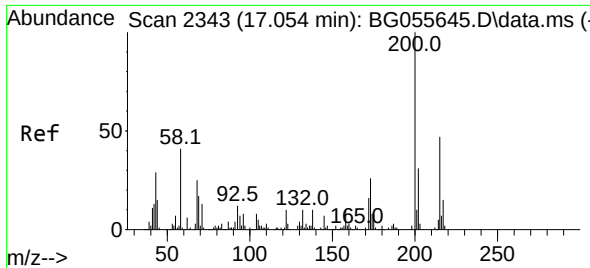


#68  
Hexachlorobenzene  
Concen: 44.648 ng  
RT: 16.885 min Scan# 2314  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



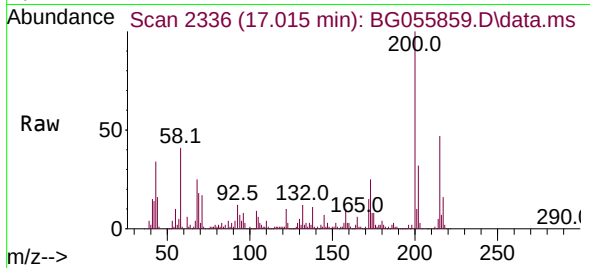
Tgt Ion:284 Resp: 147026  
Ion Ratio Lower Upper  
284 100  
142 28.1 24.8 37.2  
249 31.3 25.7 38.5





#69  
 Atrazine  
 Concen: 47.009 ng  
 RT: 17.015 min Scan# 2336  
 Delta R.T. 0.002 min  
 Lab File: BG055859.D  
 Acq: 1 Dec 2022 17:19

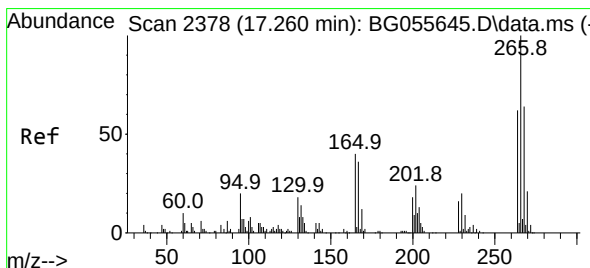
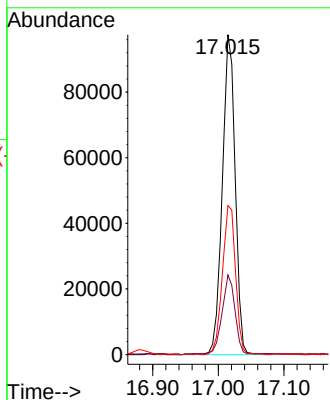
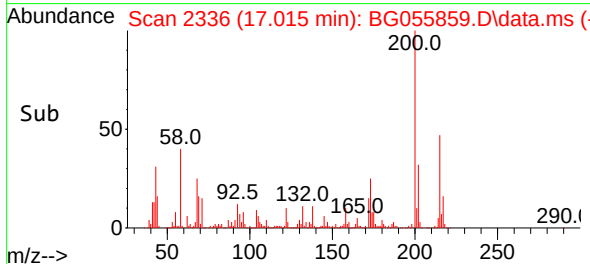
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OE-2-113022MS



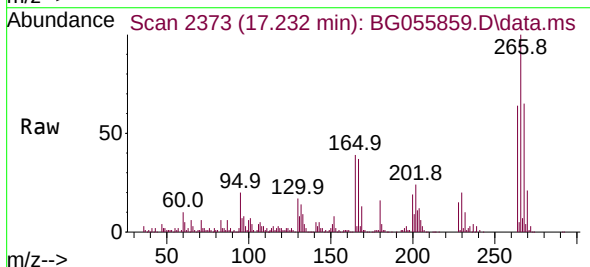
Tgt Ion:200 Resp: 133550  
 Ion Ratio Lower Upper  
 200 100  
 173 24.9 5.6 45.6  
 215 46.6 27.2 67.2

Manual Integrations  
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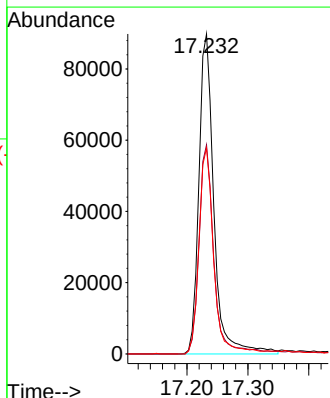
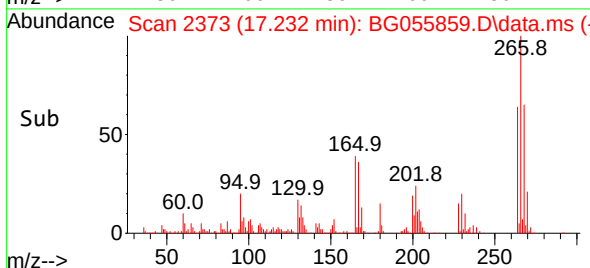
Reviewed By :Christian Giraldo 12/02/2022  
 Supervised By :Jagrut Upadhyay 12/02/2022

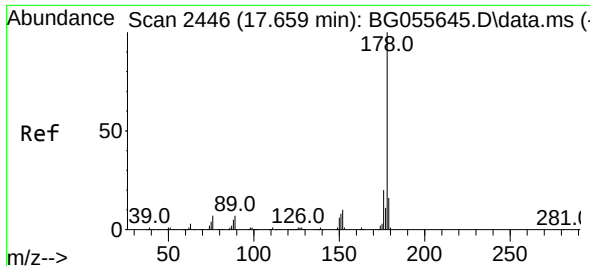


#70  
 Pentachlorophenol  
 Concen: 76.229 ng  
 RT: 17.232 min Scan# 2373  
 Delta R.T. 0.002 min  
 Lab File: BG055859.D  
 Acq: 1 Dec 2022 17:19



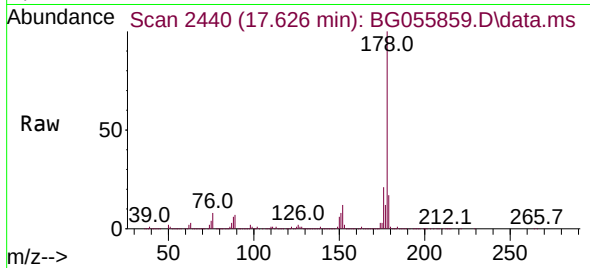
Tgt Ion:266 Resp: 153559  
 Ion Ratio Lower Upper  
 266 100  
 268 65.3 51.2 76.8  
 264 64.4 49.5 74.3





#71  
Phenanthrene  
Concen: 97.254 ng  
RT: 17.626 min Scan# 2446  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

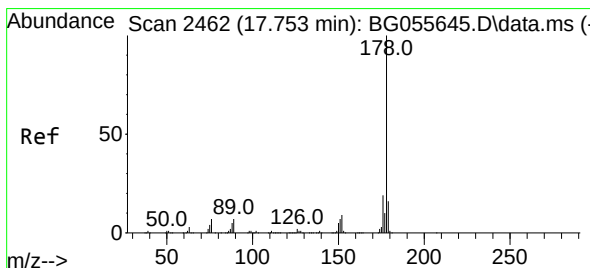
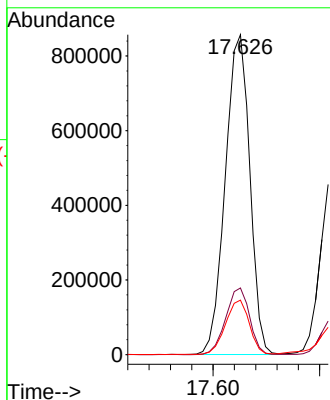
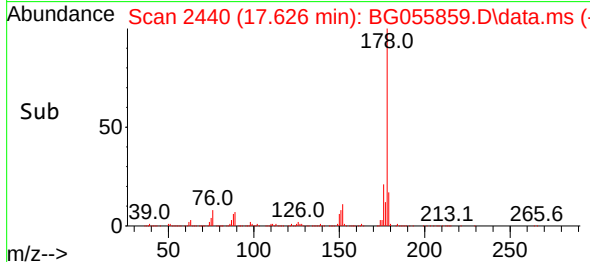
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



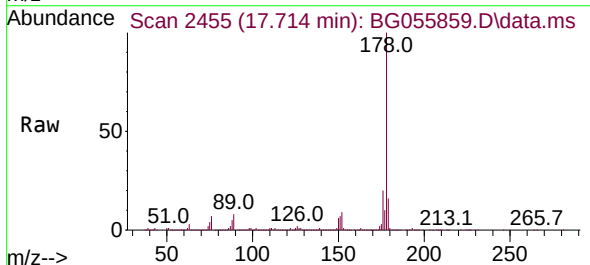
Tgt Ion:178 Resp: 1367949  
Ion Ratio Lower Upper  
178 100  
176 20.8 16.0 24.0  
179 17.0 12.7 19.1

Manual Integrations  
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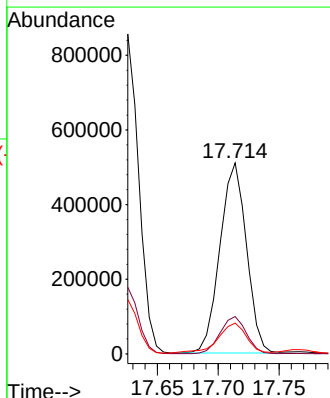
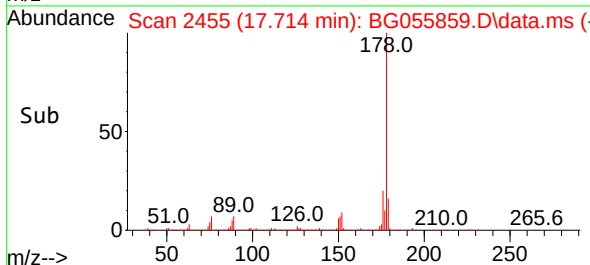
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

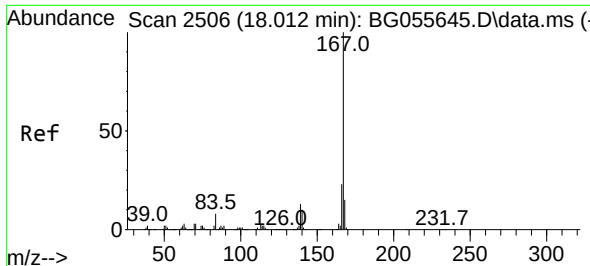


#72  
Anthracene  
Concen: 56.408 ng  
RT: 17.714 min Scan# 2455  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



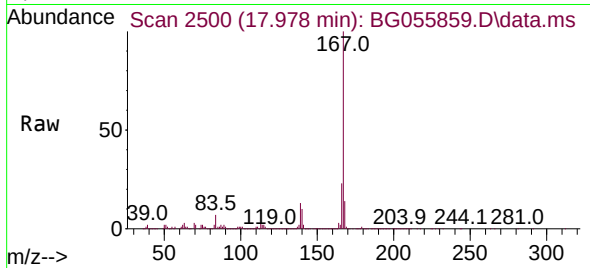
Tgt Ion:178 Resp: 770899  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.5 23.3  
179 16.1 12.5 18.7





#73  
Carbazole  
Concen: 51.087 ng  
RT: 17.978 min Scan# 2500  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

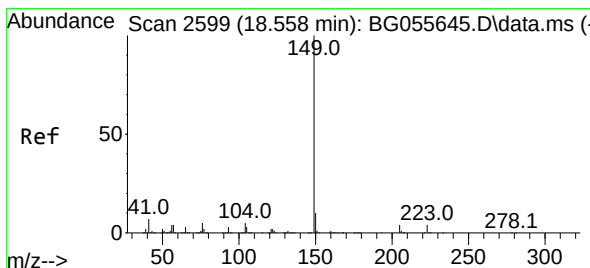
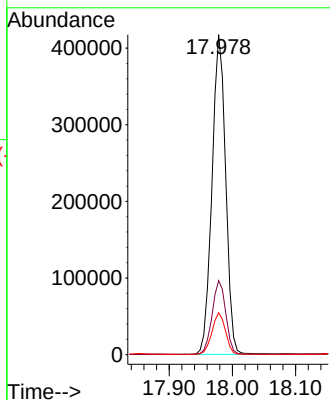
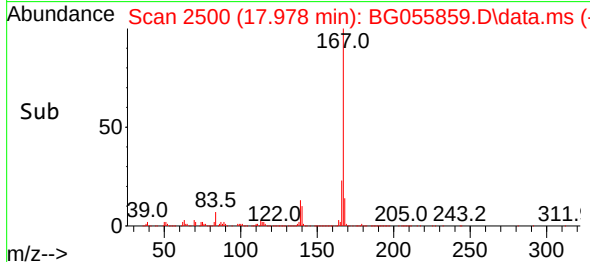
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:167 Resp: 627660  
Ion Ratio Lower Upper  
167 100  
166 23.1 18.2 27.2  
139 13.1 10.2 15.4

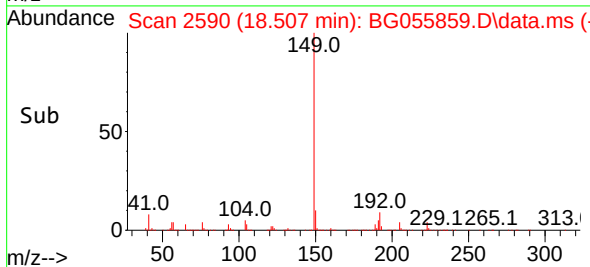
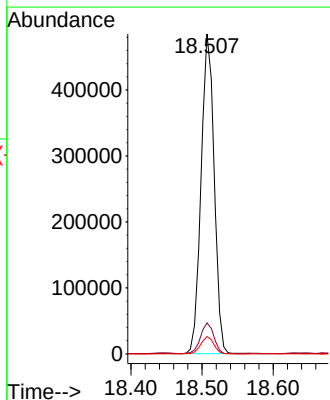
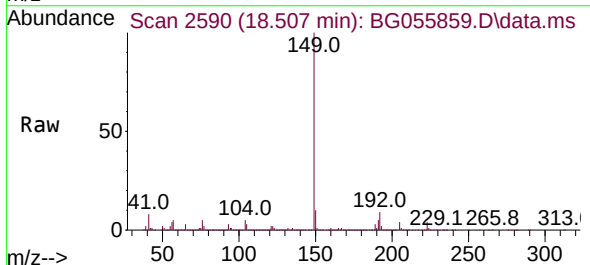
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

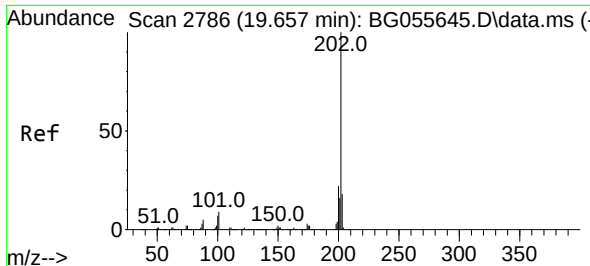


#74  
Di-n-butylphthalate  
Concen: 40.380 ng  
RT: 18.507 min Scan# 2590  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Tgt Ion:149 Resp: 616025  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.8 11.6  
104 5.4 4.0 6.0

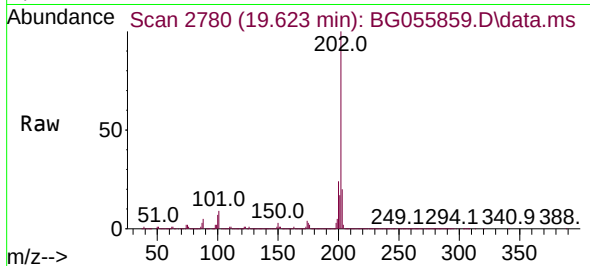






#75  
Fluoranthene  
Concen: 92.675 ng  
RT: 19.623 min Scan# 21  
Delta R.T. 0.008 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

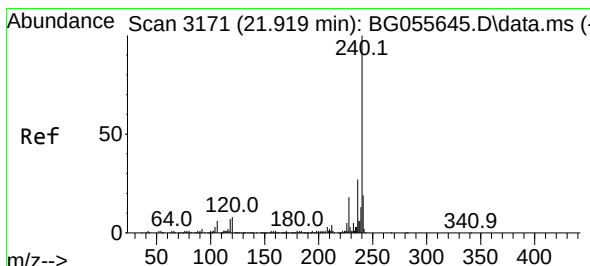
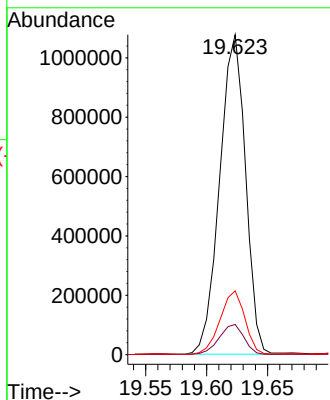
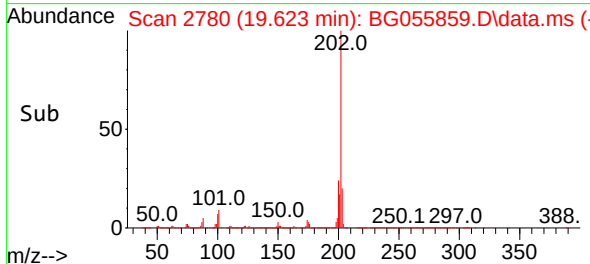
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



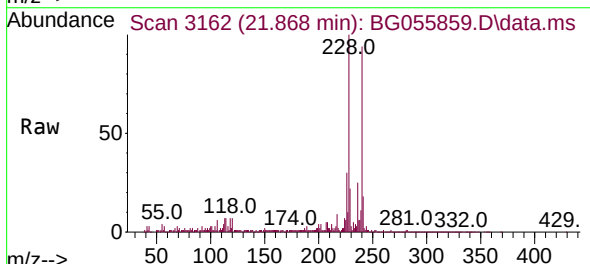
Tgt Ion:202 Resp: 158585  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 28.8  
203 19.9 0.0 38.1

Manual Integrations  
APPROVED

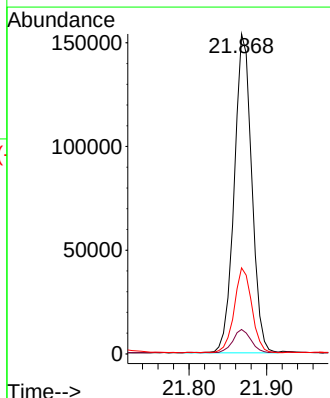
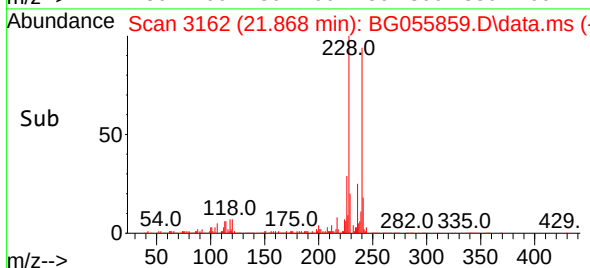
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022

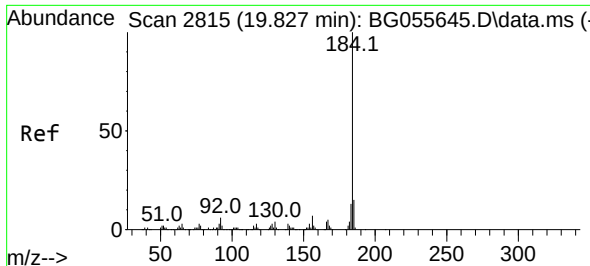


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.868 min Scan# 3162  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



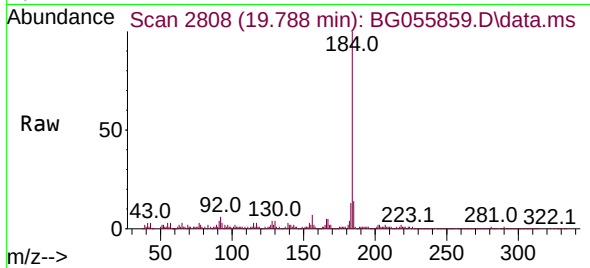
Tgt Ion:240 Resp: 241606  
Ion Ratio Lower Upper  
240 100  
120 7.6 6.3 9.5  
236 26.9 21.9 32.9





#77  
Benzidine  
Concen: 38.089 ng  
RT: 19.788 min Scan# 2808  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

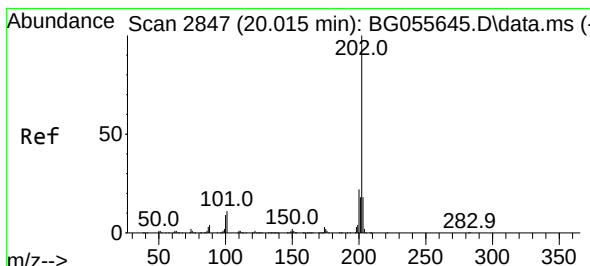
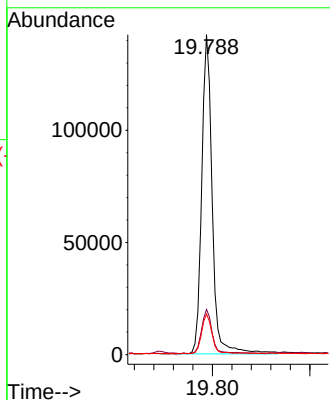
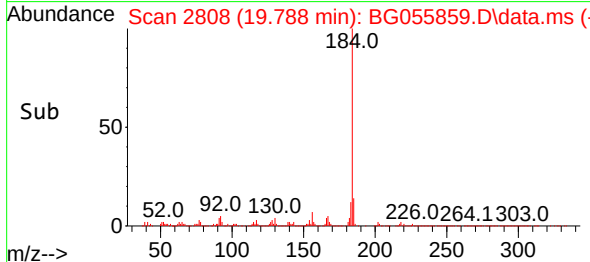
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



Tgt Ion:184 Resp: 212893  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.8 17.8  
183 12.7 10.6 15.8

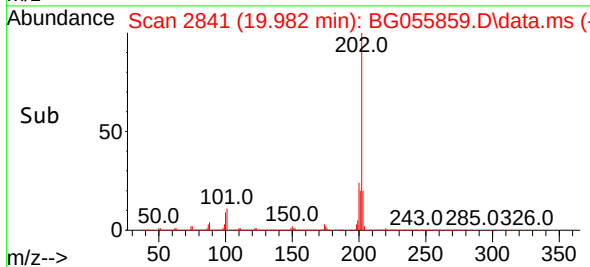
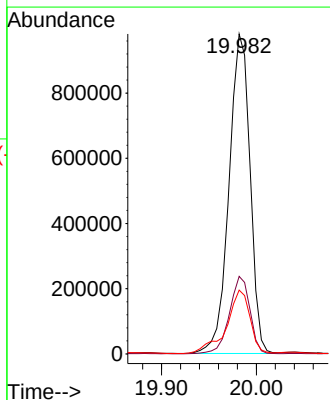
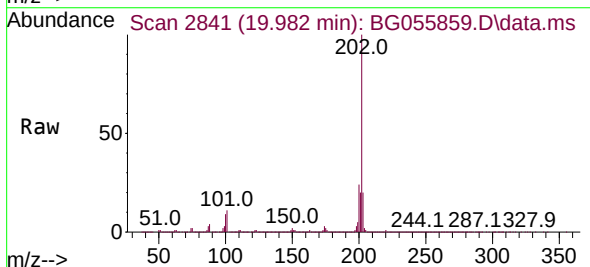
Manual Integrations  
APPROVED

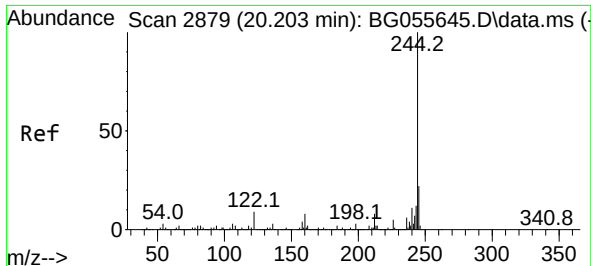
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#78  
Pyrene  
Concen: 92.649 ng  
RT: 19.982 min Scan# 2841  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

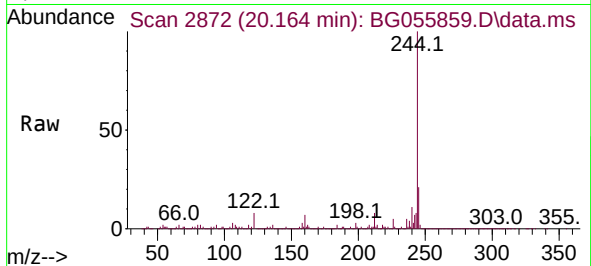
Tgt Ion:202 Resp: 1515171  
Ion Ratio Lower Upper  
202 100  
200 24.3 17.8 26.6  
203 19.9 14.4 21.6





#79  
 Terphenyl-d14  
 Concen: 76.879 ng  
 RT: 20.164 min Scan# 2879  
 Delta R.T. 0.002 min  
 Lab File: BG055859.D  
 Acq: 1 Dec 2022 17:19

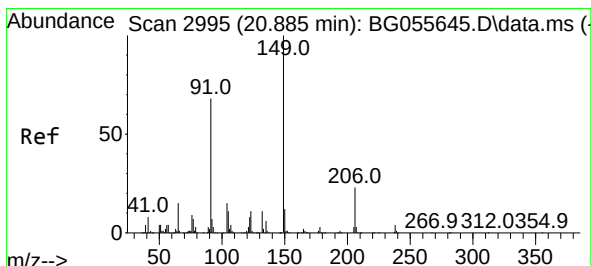
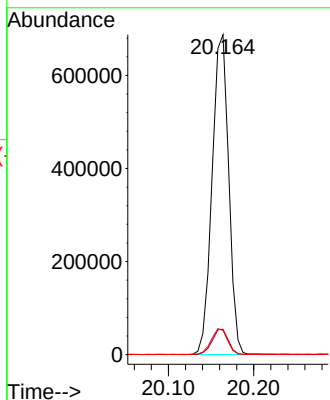
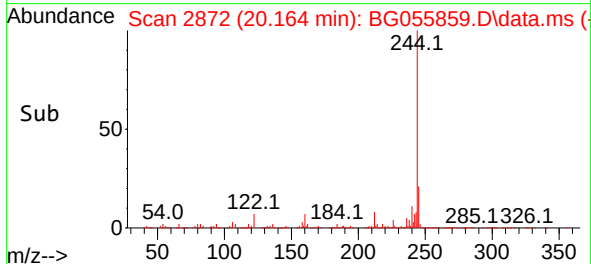
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OE-2-113022MS



Tgt Ion:244 Resp: 928668  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.3 9.5  
 122 7.6 6.9 10.3

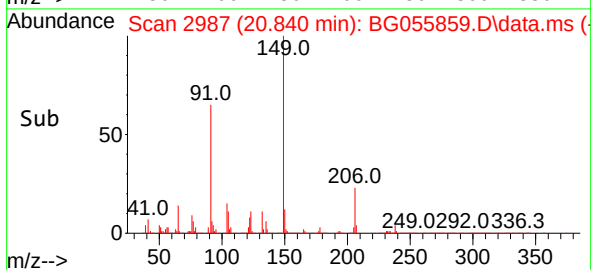
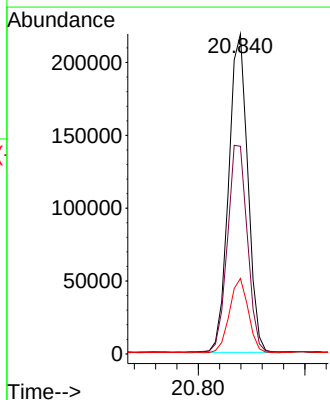
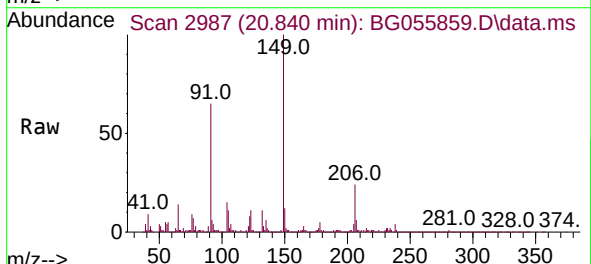
Manual Integrations  
 APPROVED

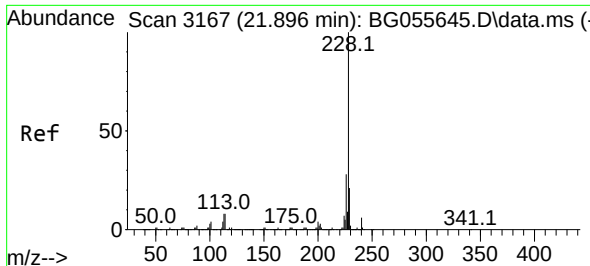
Reviewed By :Christian Giraldo 12/02/2022  
 Supervised By :Jagrut Upadhyay 12/02/2022



#80  
 Butylbenzylphthalate  
 Concen: 42.516 ng  
 RT: 20.840 min Scan# 2987  
 Delta R.T. 0.002 min  
 Lab File: BG055859.D  
 Acq: 1 Dec 2022 17:19

Tgt Ion:149 Resp: 272197  
 Ion Ratio Lower Upper  
 149 100  
 91 64.9 54.6 81.8  
 206 23.6 18.3 27.5





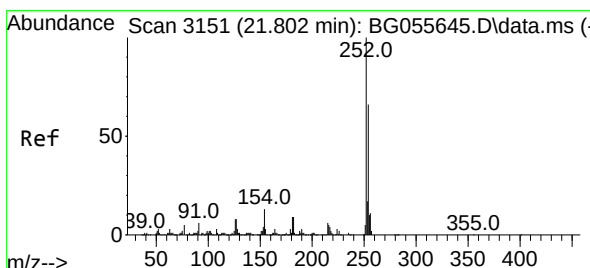
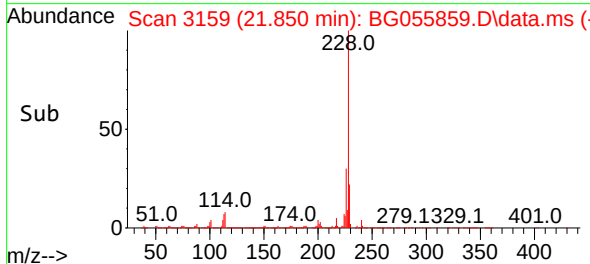
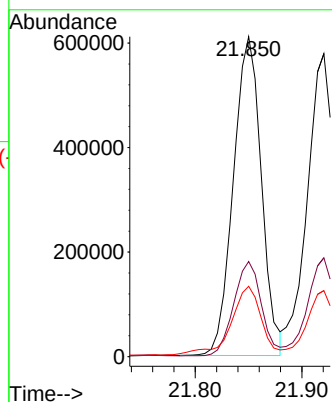
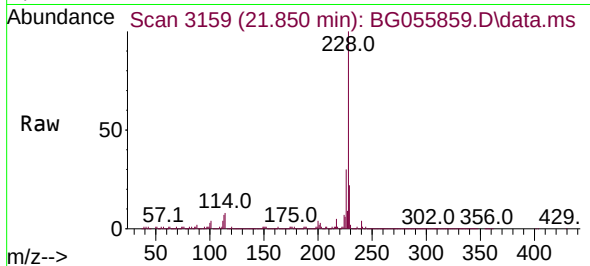
#81  
Benzo(a)anthracene  
Concen: 66.765 ng  
RT: 21.850 min Scan# 311  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS

Tgt Ion:228 Resp: 1111034  
Ion Ratio Lower Upper  
228 100  
226 29.7 22.7 34.1  
229 22.0 16.5 24.7

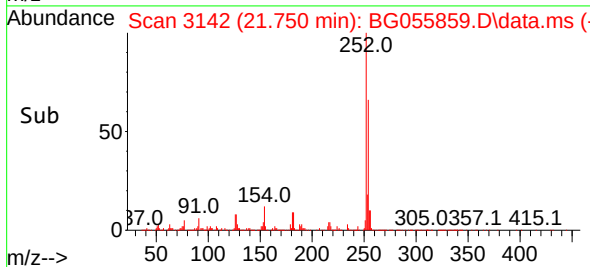
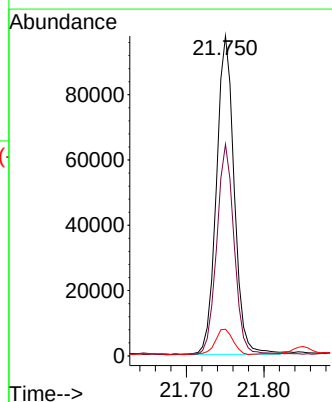
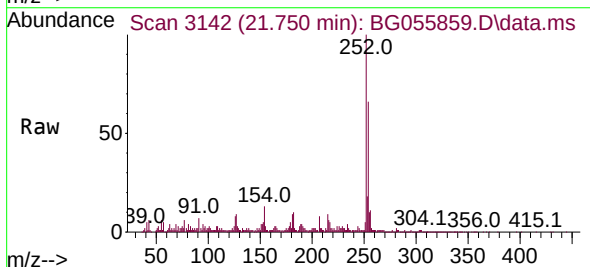
Manual Integrations  
APPROVED

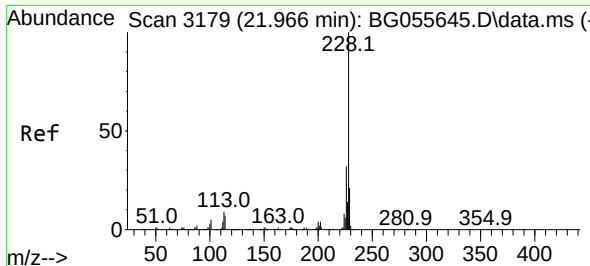
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#82  
3,3'-Dichlorobenzidine  
Concen: 26.659 ng  
RT: 21.750 min Scan# 3142  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Tgt Ion:252 Resp: 155884  
Ion Ratio Lower Upper  
252 100  
254 66.1 53.0 79.6  
126 8.3 6.7 10.1





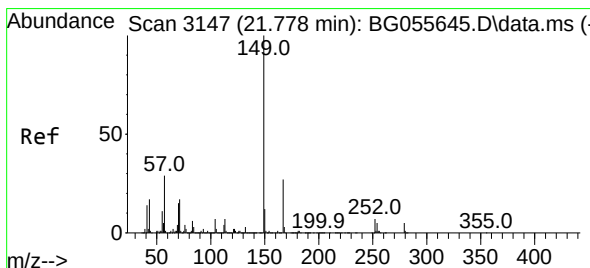
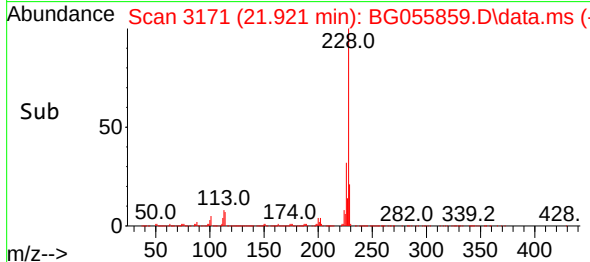
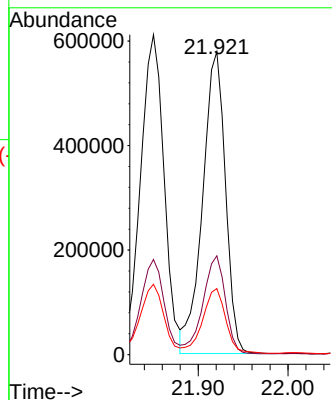
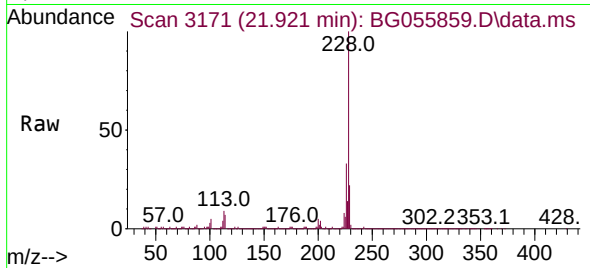
#83  
Chrysene  
Concen: 64.440 ng  
RT: 21.921 min Scan# 3171  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS

Tgt Ion:228 Resp: 1020858  
Ion Ratio Lower Upper  
228 100  
226 32.6 25.4 38.2  
229 21.8 17.1 25.7

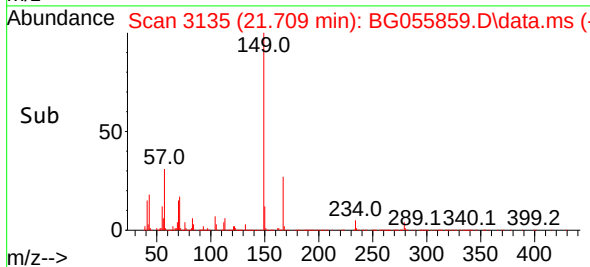
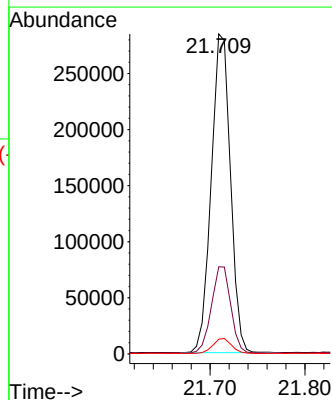
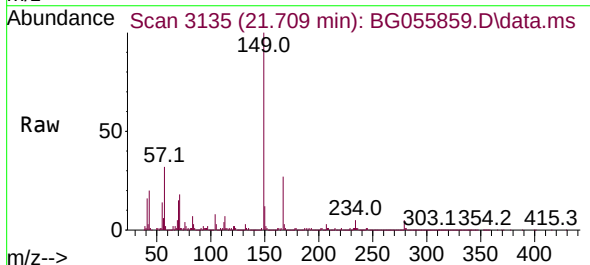
Manual Integrations  
APPROVED

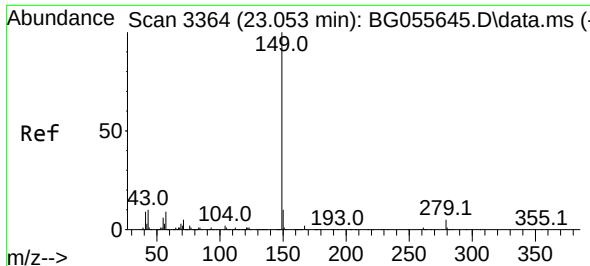
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.537 ng  
RT: 21.709 min Scan# 3135  
Delta R.T. -0.004 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Tgt Ion:149 Resp: 400573  
Ion Ratio Lower Upper  
149 100  
167 27.2 22.0 33.0  
279 4.6 3.7 5.5





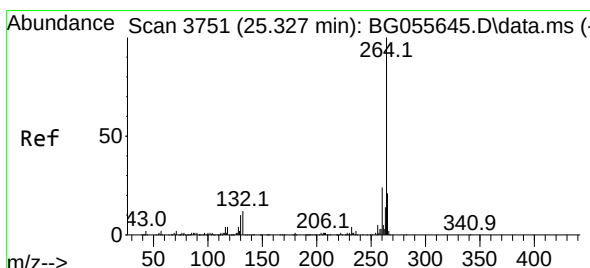
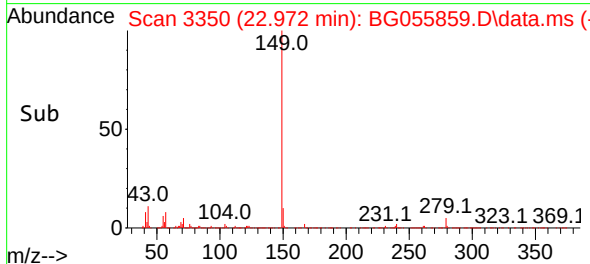
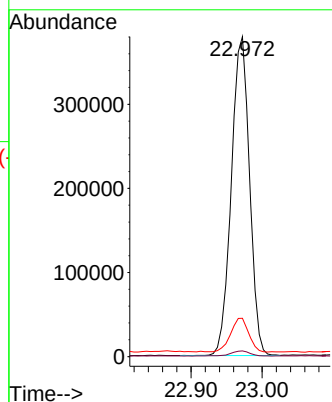
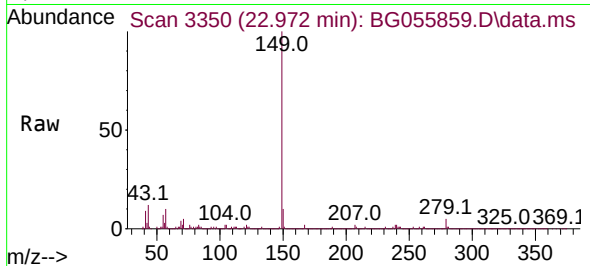
#85  
Di-n-octyl phthalate  
Concen: 42.895 ng  
RT: 22.972 min Scan# 3364  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS

Tgt Ion:149 Resp: 675411  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 10.5 8.4 12.6

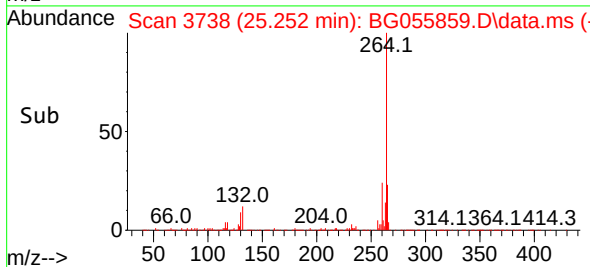
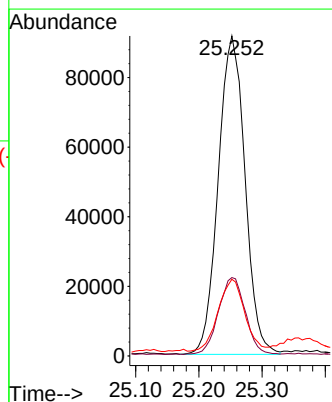
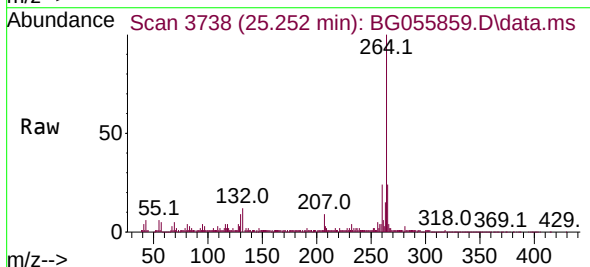
Manual Integrations  
APPROVED

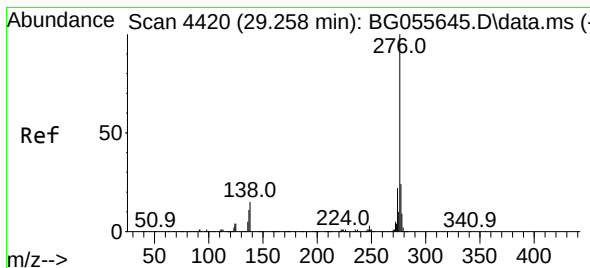
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.252 min Scan# 3738  
Delta R.T. 0.002 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

Tgt Ion:264 Resp: 269553  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.5 29.3  
265 23.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.200 ng

RT: 29.165 min Scan# 44

Delta R.T. 0.014 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

Instrument :

BNA\_G

ClientSampleId :

OE-2-113022MS

Tgt Ion:276 Resp: 1020209

Ion Ratio Lower Upper

276 100

138 8.7 10.4 15.6

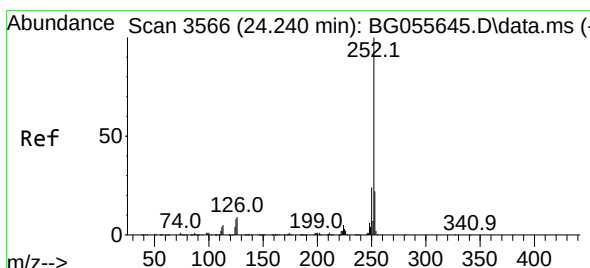
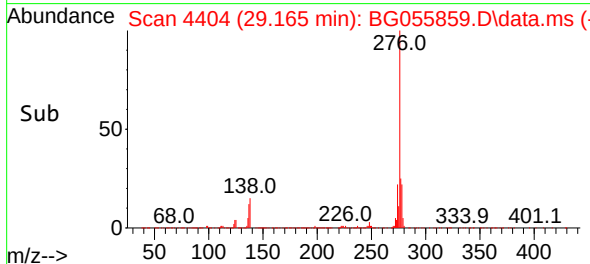
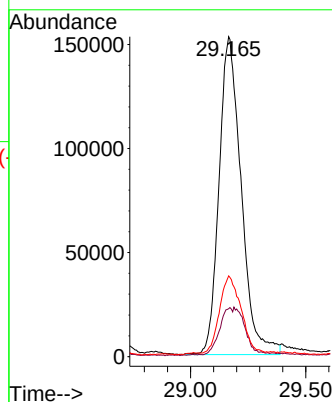
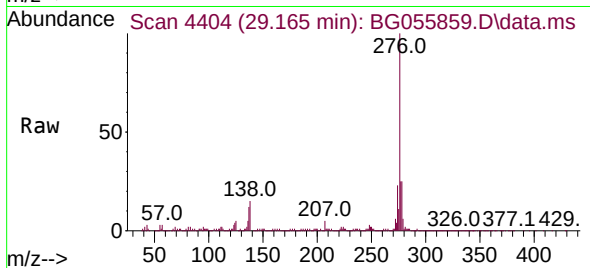
277 23.5 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#88

Benzo(b)fluoranthene

Concen: 64.257 ng

RT: 24.177 min Scan# 3555

Delta R.T. 0.008 min

Lab File: BG055859.D

Acq: 1 Dec 2022 17:19

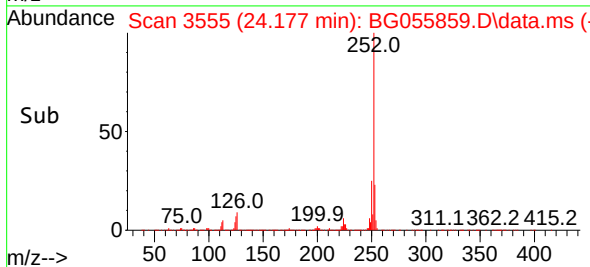
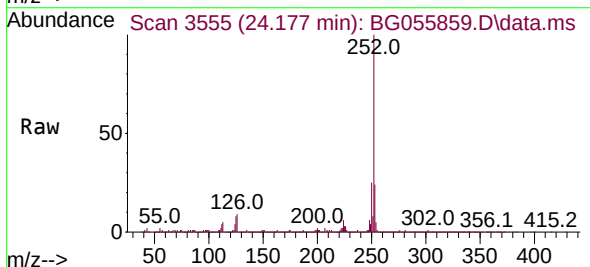
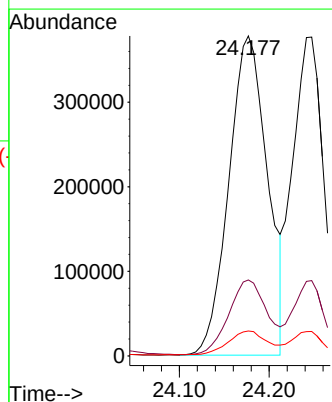
Tgt Ion:252 Resp: 1128009

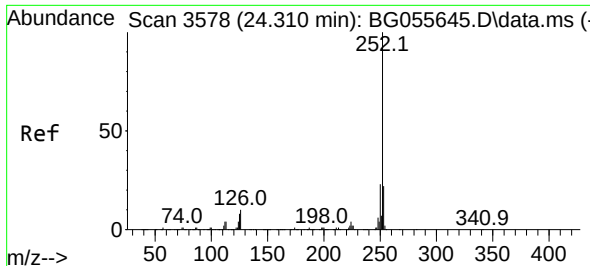
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

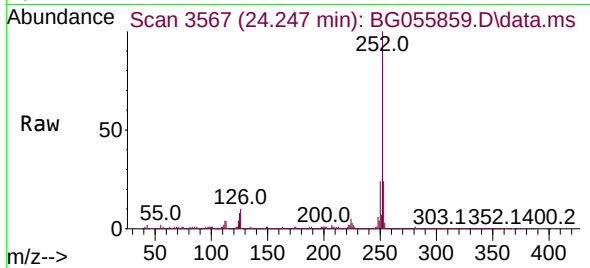
125 7.8 6.2 9.2





#89  
Benzo(k)fluoranthene  
Concen: 51.565 ng  
RT: 24.247 min Scan# 31  
Delta R.T. 0.008 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

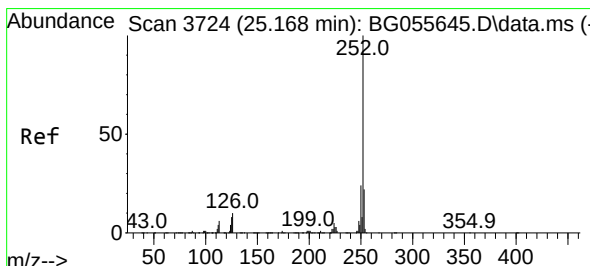
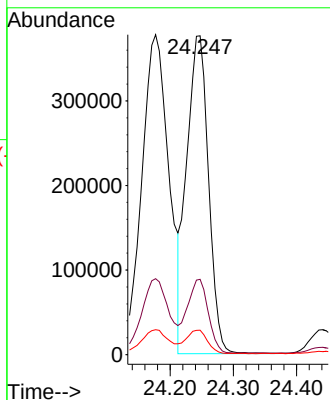
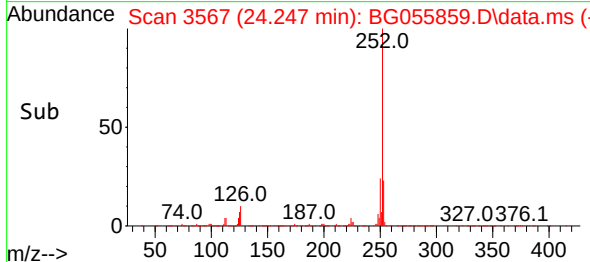
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



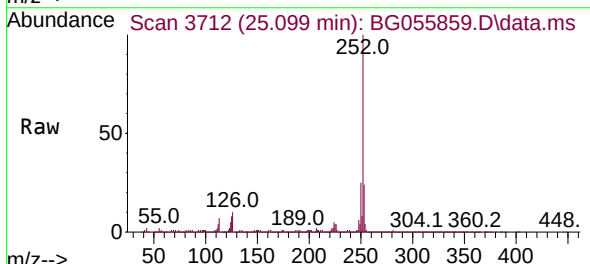
Tgt Ion:252 Resp: 902320  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.8 26.6  
125 7.7 6.1 9.1

Manual Integrations  
APPROVED

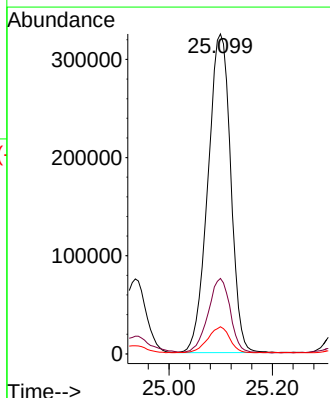
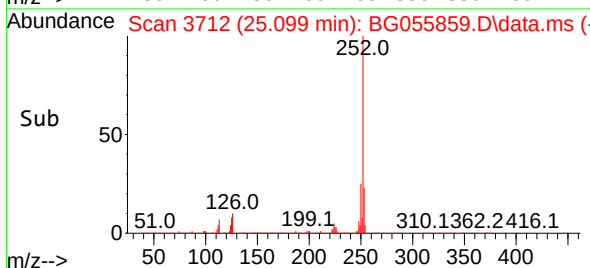
Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



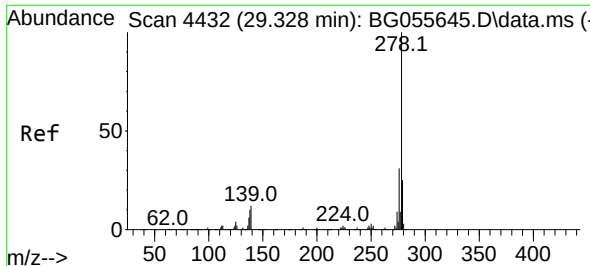
#90  
Benzo(a)pyrene  
Concen: 65.861 ng  
RT: 25.099 min Scan# 3712  
Delta R.T. 0.008 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:252 Resp: 992142  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.8 26.6  
125 8.5 6.4 9.6

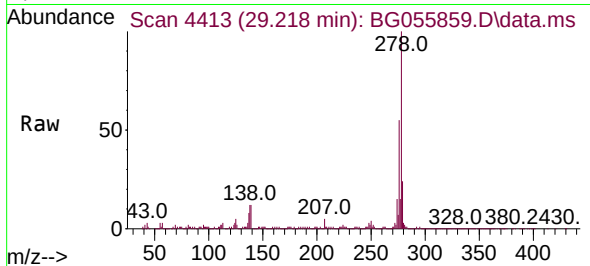






#91  
Dibenzo(a,h)anthracene  
Concen: 40.294 ng  
RT: 29.218 min Scan# 4413  
Delta R.T. 0.008 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19

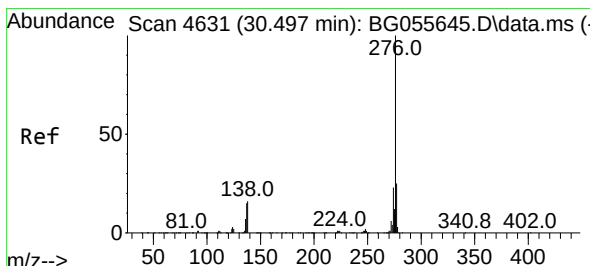
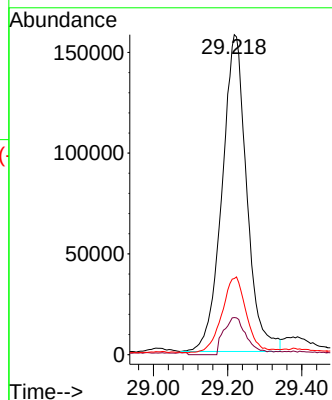
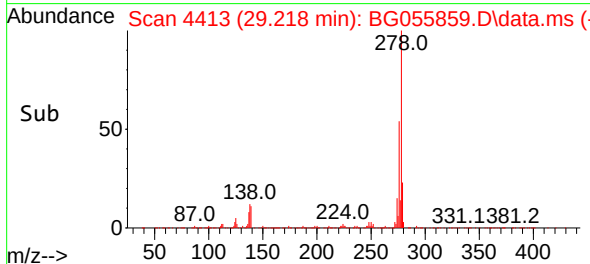
Instrument :  
BNA\_G  
ClientSampleId :  
OE-2-113022MS



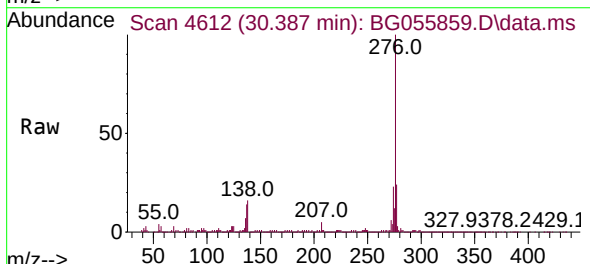
Tgt Ion:278 Resp: 727116  
Ion Ratio Lower Upper  
278 100  
139 11.6 9.8 14.8  
279 23.8 19.8 29.6

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 12/02/2022  
Supervised By :Jagrut Upadhyay 12/02/2022



#92  
Benzo(g,h,i)perylene  
Concen: 45.604 ng  
RT: 30.387 min Scan# 4612  
Delta R.T. 0.014 min  
Lab File: BG055859.D  
Acq: 1 Dec 2022 17:19



Tgt Ion:276 Resp: 829418  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.8 29.6  
138 15.7 13.1 19.7

