

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052623\  
 Data File : BG057581.D  
 Acq On : 26 May 2023 11:50  
 Operator : CG/JU  
 Sample : PB152987BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB152987BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/30/2023  
 Supervised By : Jagrut Upadhyay 05/31/2023

Quant Time: May 26 15:04:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 02:58:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.354  | 152  | 17202    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.191 | 136  | 70568    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.975 | 164  | 56453    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.712 | 188  | 148082   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.024 | 240  | 125018   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.525 | 264  | 135597   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.875  | 112  | 116711   | 116.060 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.502  | 99   | 179623   | 117.627 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.535  | 82   | 106945   | 63.606  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.455 | 330  | 92537    | 115.526 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.594 | 172  | 285252   | 68.052  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.279 | 244  | 522479   | 68.202  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.660  | 88   | 16141    | 38.820  | ng    | 99       |
| 3) Pyridine                   | 4.083  | 79   | 44885    | 33.591  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.995  | 42   | 22167    | 35.301  | ng    | # 80     |
| 6) Aniline                    | 7.667  | 93   | 70398    | 36.340  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.914  | 128  | 55053    | 51.810  | ng    | 96       |
| 9) Benzaldehyde               | 7.479  | 77   | 35731    | 44.992  | ng    | 94       |
| 10) Phenol                    | 7.532  | 94   | 77418    | 52.007  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.755  | 93   | 48171    | 42.914  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 8.243  | 146  | 54469    | 46.444  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 8.389  | 146  | 55942    | 47.488  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.712  | 146  | 53883    | 47.381  | ng    | 94       |
| 15) Benzyl Alcohol            | 8.595  | 79   | 58869    | 46.275  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.877  | 45   | 59931m   | 42.360  | ng    |          |
| 17) 2-Methylphenol            | 8.801  | 107  | 53781    | 50.119  | ng    | 97       |
| 18) Hexachloroethane          | 9.453  | 117  | 19441    | 45.731  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 9.159  | 70   | 46723    | 40.126  | ng    | 95       |
| 20) 3+4-Methylphenols         | 9.130  | 107  | 73850    | 50.261  | ng    | 95       |
| 22) Acetophenone              | 9.188  | 105  | 86737    | 42.944  | ng    | # 96     |
| 24) Nitrobenzene              | 9.582  | 77   | 68940    | 40.624  | ng    | 93       |
| 25) Isophorone                | 10.099 | 82   | 128027   | 39.268  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.299 | 139  | 32559    | 50.123  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.340 | 122  | 60253    | 52.973  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.569 | 93   | 71368    | 43.694  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.845 | 162  | 64767    | 53.687  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 11.051 | 180  | 61596    | 44.267  | ng    | 97       |
| 31) Naphthalene               | 11.244 | 128  | 168207   | 44.586  | ng    | 99       |
| 32) Benzoic acid              | 10.504 | 122  | 32540    | 49.453  | ng    | 96       |
| 33) 4-Chloroaniline           | 11.350 | 127  | 57410    | 33.886  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.509 | 225  | 42053    | 40.730  | ng    | 96       |
| 35) Caprolactam               | 12.126 | 113  | 21361m   | 51.835  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.454 | 107  | 71720    | 52.314  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.825 | 142  | 132548   | 44.686  | ng    | 94       |
| 38) 1-Methylnaphthalene       | 13.042 | 142  | 123793   | 44.278  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.189 | 216  | 88599    | 44.208  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.154 | 237  | 56827    | 60.644  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.424 | 196  | 60855    | 49.841  | ng    | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052623\  
 Data File : BG057581.D  
 Acq On : 26 May 2023 11:50  
 Operator : CG/JU  
 Sample : PB152987BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB152987BS

Manual Integrations  
 APPROVED

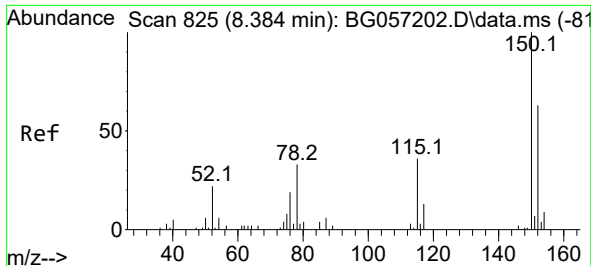
Reviewed By : Christian Giraldo 05/30/2023  
 Supervised By : Jagrut Upadhyay 05/31/2023

Quant Time: May 26 15:04:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 02:58:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.506 | 196  | 66705    | 46.444 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.806 | 154  | 191822   | 45.792 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.864 | 162  | 146620   | 47.068 | ng    | 99       |
| 48) 2-Nitroaniline            | 14.064 | 65   | 49675    | 46.900 | ng    | 93       |
| 49) Acenaphthylene            | 14.698 | 152  | 236260   | 46.684 | ng    | 99       |
| 50) Dimethylphthalate         | 14.411 | 163  | 203561   | 43.880 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.546 | 165  | 45625    | 48.170 | ng    | 85       |
| 52) Acenaphthene              | 15.039 | 154  | 144794   | 45.786 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.881 | 138  | 35205    | 37.101 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 15.098 | 184  | 52592    | 89.066 | ng    | 95       |
| 55) Dibenzofuran              | 15.368 | 168  | 243687   | 45.863 | ng    | 98       |
| 56) 4-Nitrophenol             | 15.192 | 139  | 62537    | 99.091 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 15.333 | 165  | 66850    | 49.384 | ng    | 95       |
| 58) Fluorene                  | 16.014 | 166  | 202057   | 46.167 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.597 | 232  | 61972    | 47.593 | ng    | 99       |
| 60) Diethylphthalate          | 15.756 | 149  | 204518   | 43.412 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.991 | 204  | 115079   | 43.647 | ng    | 95       |
| 62) 4-Nitroaniline            | 16.038 | 138  | 45721    | 47.762 | ng    | 91       |
| 63) Azobenzene                | 16.285 | 77   | 189097   | 41.600 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 16.102 | 198  | 42575    | 48.156 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 16.208 | 169  | 179760   | 44.695 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.884 | 248  | 78883    | 43.637 | ng    | 97       |
| 68) Hexachlorobenzene         | 17.019 | 284  | 84289    | 47.982 | ng    | 95       |
| 69) Atrazine                  | 17.142 | 200  | 80991    | 52.789 | ng    | 97       |
| 70) Pentachlorophenol         | 17.371 | 266  | 78509    | 77.547 | ng    | 97       |
| 71) Phenanthrene              | 17.759 | 178  | 339323   | 44.718 | ng    | 100      |
| 72) Anthracene                | 17.847 | 178  | 347717   | 44.660 | ng    | 99       |
| 73) Carbazole                 | 18.117 | 167  | 307805   | 46.959 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.628 | 149  | 348376   | 46.194 | ng    | 98       |
| 75) Fluoranthene              | 19.745 | 202  | 411676   | 43.621 | ng    | 99       |
| 77) Benzidine                 | 19.909 | 184  | 219754   | 78.625 | ng    | 99       |
| 78) Pyrene                    | 20.109 | 202  | 412525   | 45.409 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.955 | 149  | 145710   | 50.550 | ng    | 94       |
| 81) Benzo(a)anthracene        | 22.000 | 228  | 393105   | 44.134 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.895 | 252  | 102499   | 35.927 | ng    | 99       |
| 83) Chrysene                  | 22.071 | 228  | 358639   | 42.794 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.836 | 149  | 202014   | 47.368 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 23.128 | 149  | 335978   | 47.255 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.596 | 276  | 440891   | 44.613 | ng    | # 75     |
| 88) Benzo(b)fluoranthene      | 24.403 | 252  | 388685   | 43.850 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.479 | 252  | 392400   | 43.565 | ng    | 100      |
| 90) Benzo(a)pyrene            | 25.361 | 252  | 347525   | 40.131 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 29.643 | 278  | 370353   | 45.000 | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 30.865 | 276  | 353083   | 43.937 | ng    | 98       |

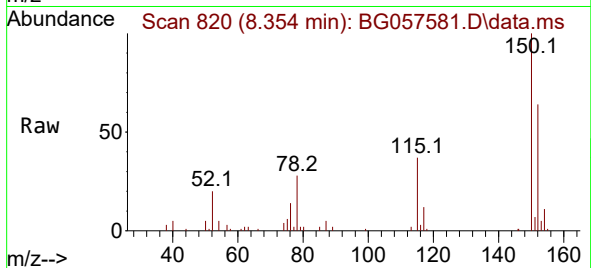
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.354 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

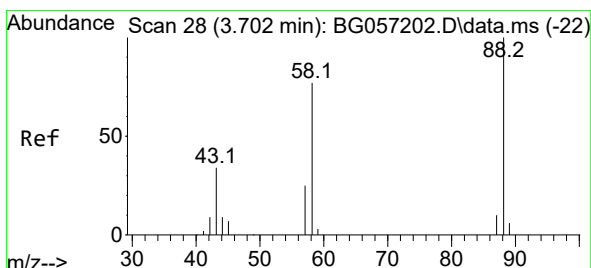
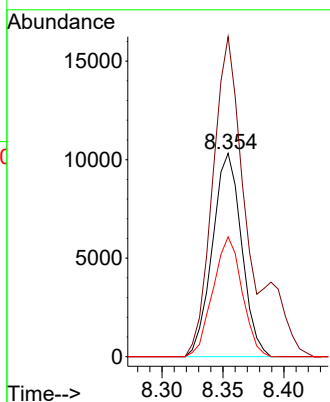
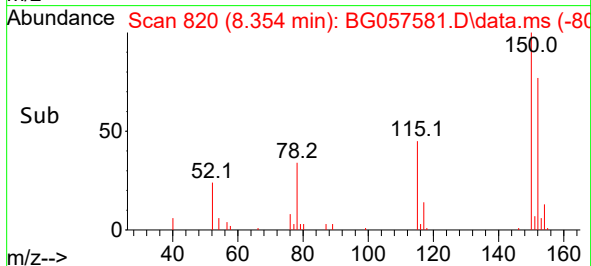
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



Tgt Ion:152 Resp: 1720  
Ion Ratio Lower Upper  
152 100  
150 157.4 126.2 189.4  
115 58.9 45.0 67.4

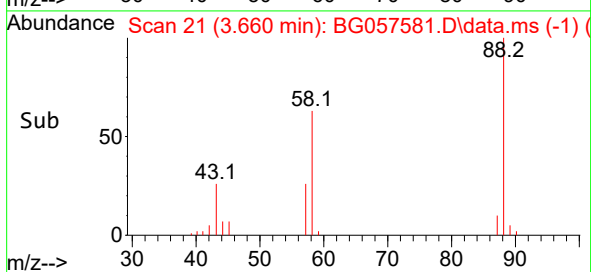
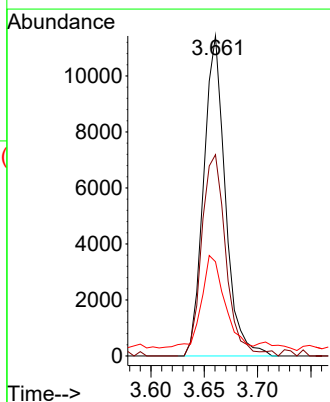
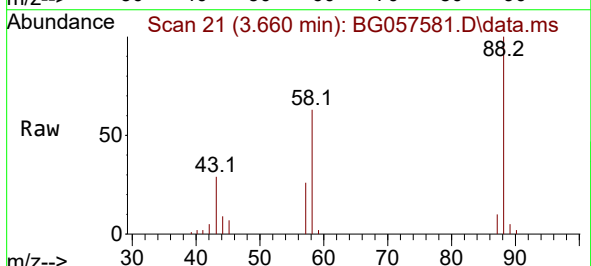
Manual Integrations  
APPROVED

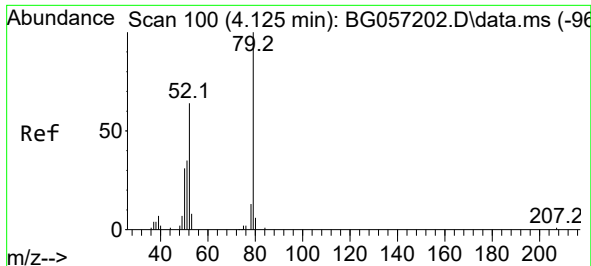
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#2  
1,4-Dioxane  
Concen: 38.820 ng  
RT: 3.660 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion: 88 Resp: 16141  
Ion Ratio Lower Upper  
88 100  
58 70.1 57.1 85.7  
43 30.9 24.4 36.6





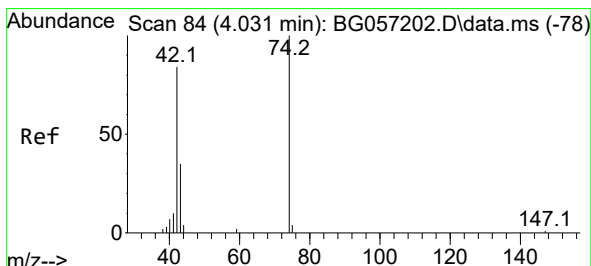
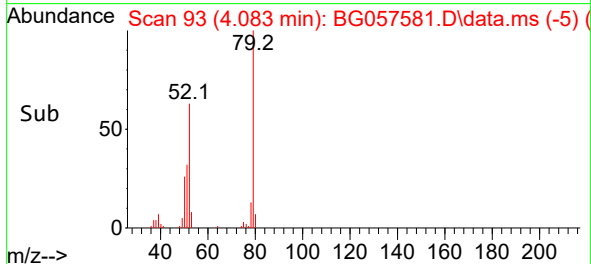
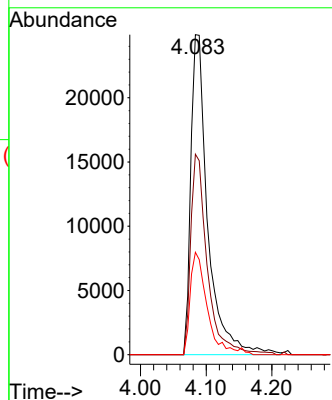
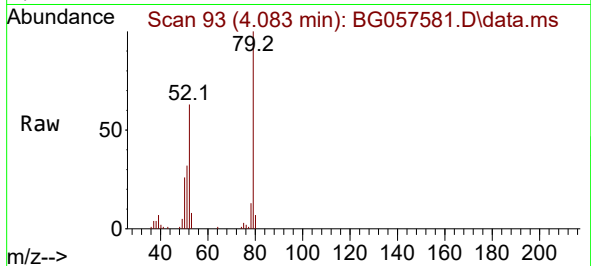
#3  
Pyridine  
Concen: 33.591 ng  
RT: 4.083 min Scan# 91  
Delta R.T. -0.015 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS

Tgt Ion: 79 Resp: 4488  
Ion Ratio Lower Upper  
79 100  
52 62.7 51.4 77.0  
51 32.0 28.0 42.0

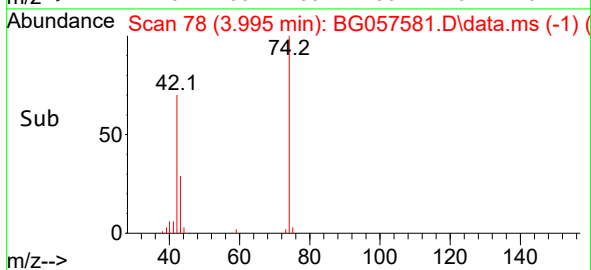
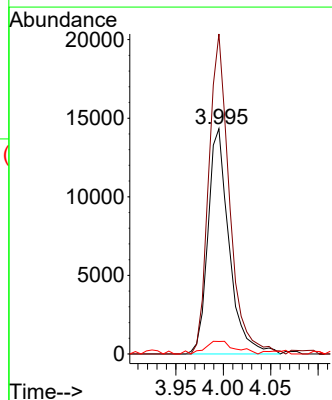
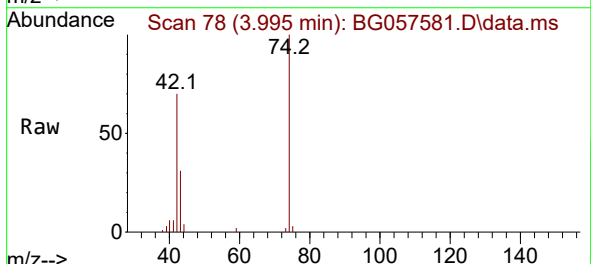
Manual Integrations  
APPROVED

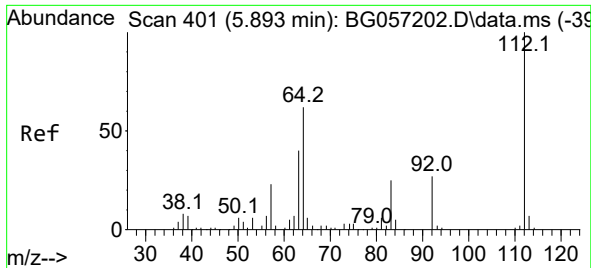
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#4  
n-Nitrosodimethylamine  
Concen: 35.301 ng  
RT: 3.995 min Scan# 78  
Delta R.T. -0.009 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion: 42 Resp: 22167  
Ion Ratio Lower Upper  
42 100  
74 142.0 95.1 142.7  
44 5.6 5.8 8.8





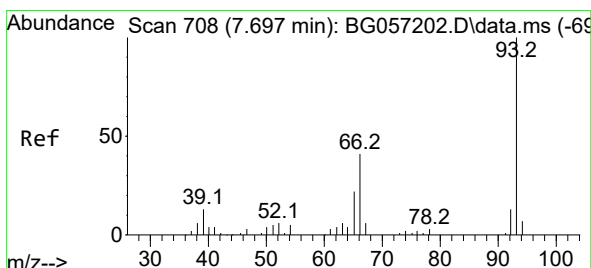
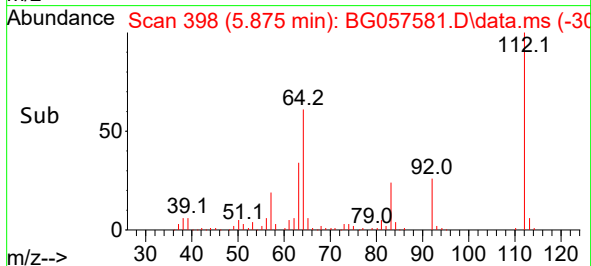
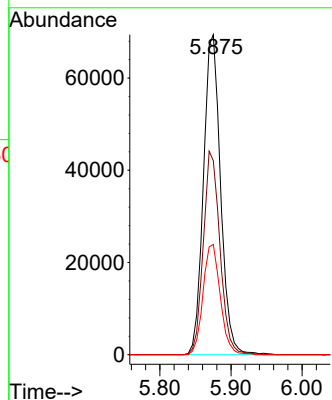
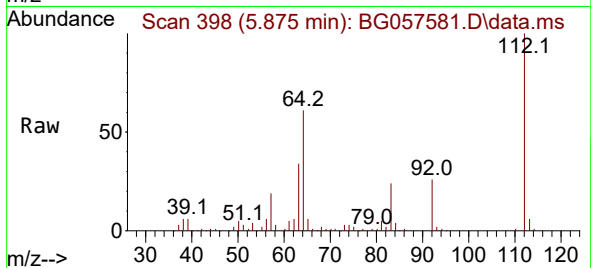
#5  
2-Fluorophenol  
Concen: 116.060 ng  
RT: 5.875 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS

Tgt Ion:112 Resp: 11671  
Ion Ratio Lower Upper  
112 100  
64 60.6 49.4 74.2  
63 34.4 31.6 47.4

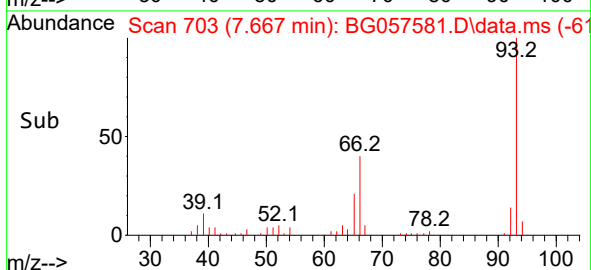
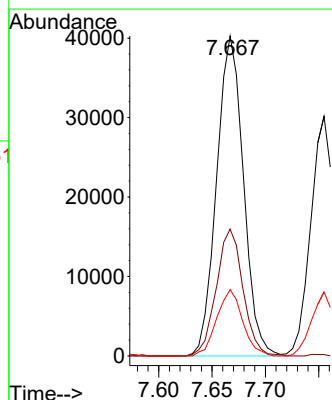
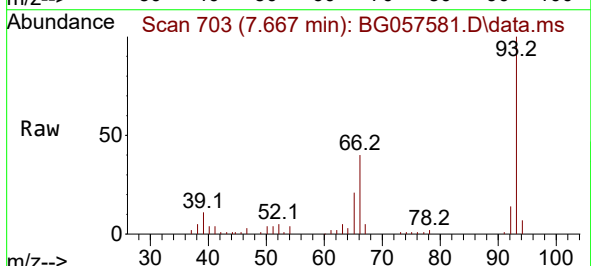
Manual Integrations  
APPROVED

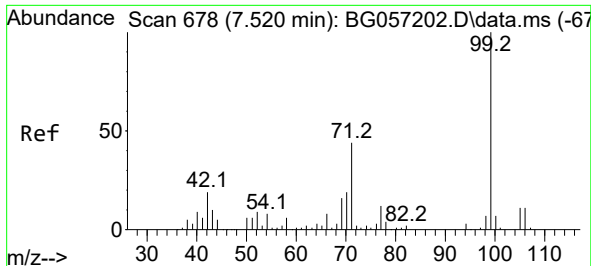
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#6  
Aniline  
Concen: 36.340 ng  
RT: 7.667 min Scan# 703  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

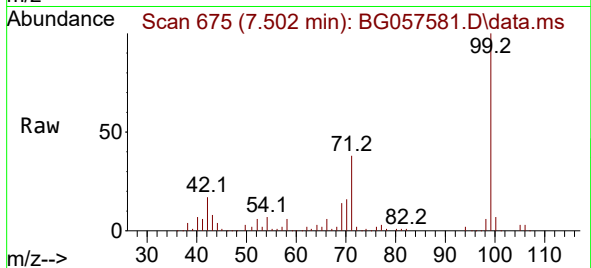
Tgt Ion: 93 Resp: 70398  
Ion Ratio Lower Upper  
93 100  
66 39.7 33.0 49.6  
65 20.7 18.0 27.0





#7  
Phenol-d6  
Concen: 117.627 ng  
RT: 7.502 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

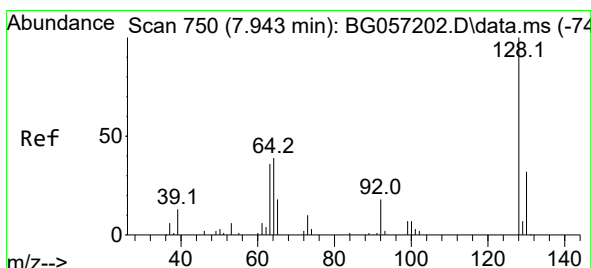
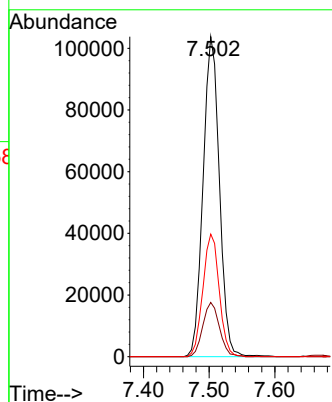
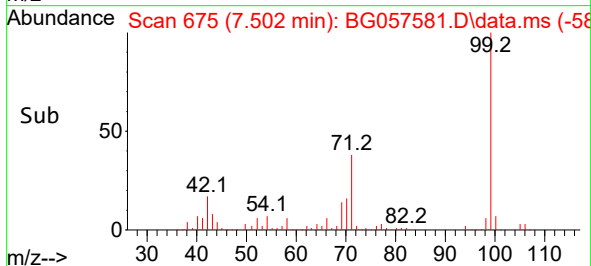
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



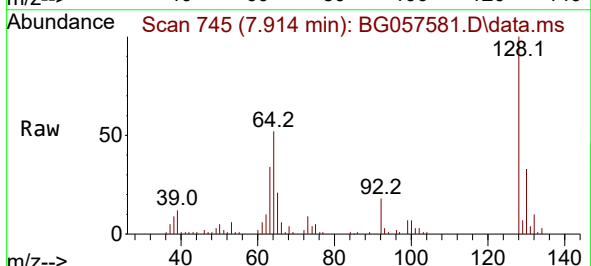
Tgt Ion: 99 Resp: 17962  
Ion Ratio Lower Upper  
99 100  
42 17.0 15.1 22.7  
71 38.3 35.2 52.8

Manual Integrations  
APPROVED

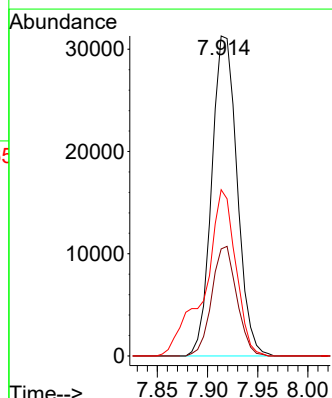
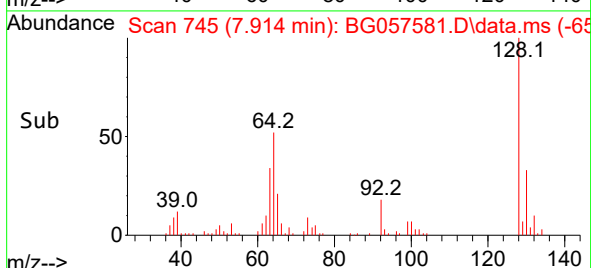
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

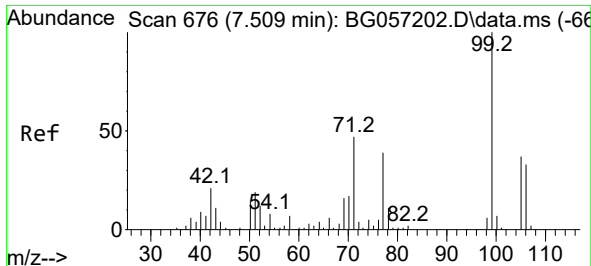


#8  
2-Chlorophenol  
Concen: 51.810 ng  
RT: 7.914 min Scan# 745  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:128 Resp: 55053  
Ion Ratio Lower Upper  
128 100  
130 33.4 12.2 52.2  
64 51.9 28.4 68.4





#9  
Benzaldehyde  
Concen: 44.992 ng  
RT: 7.479 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

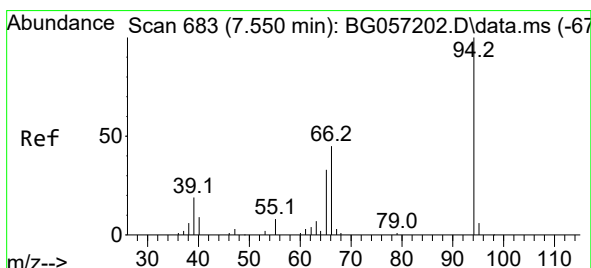
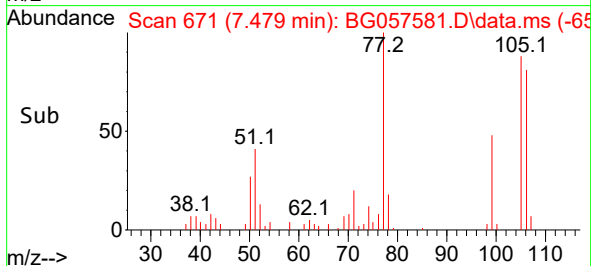
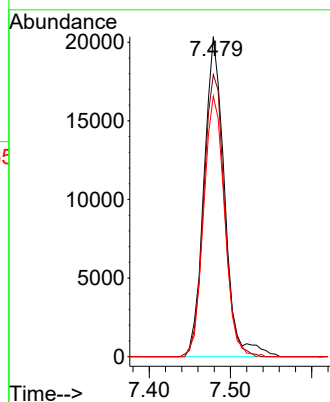
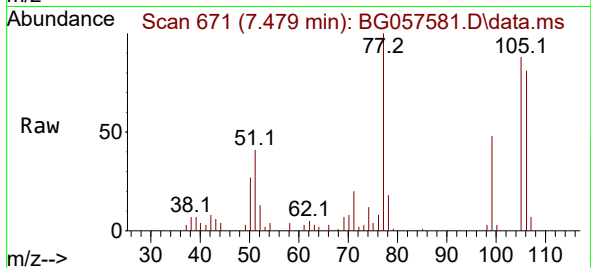
PB152987BS

Tgt Ion: 77 Resp: 3573  
Ion Ratio Lower Upper  
77 100  
105 88.2 74.6 114.6  
106 81.4 66.3 106.3

Manual Integrations

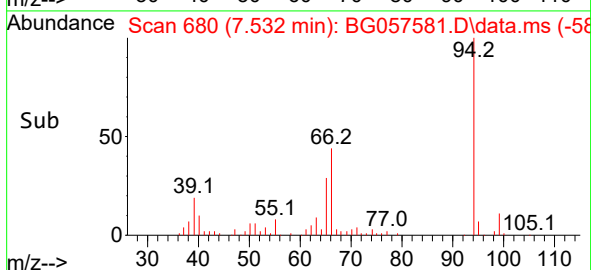
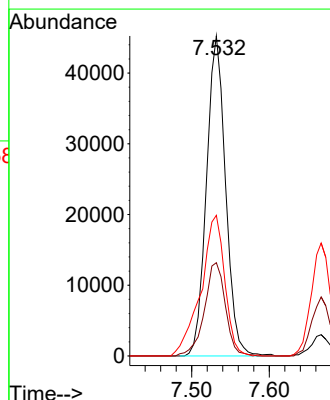
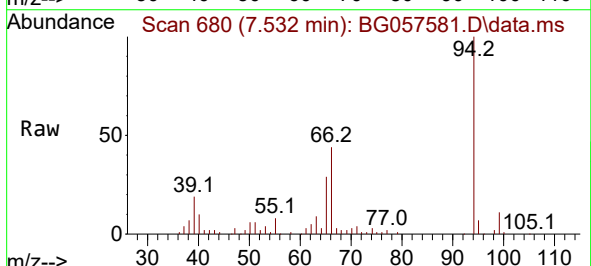
APPROVED

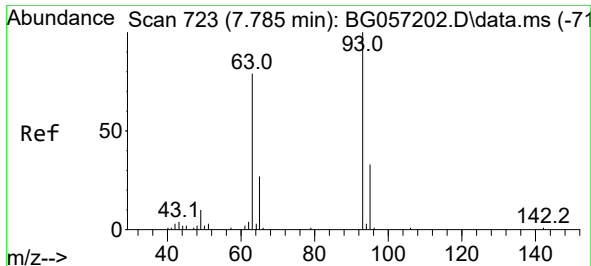
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#10  
Phenol  
Concen: 52.007 ng  
RT: 7.532 min Scan# 680  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

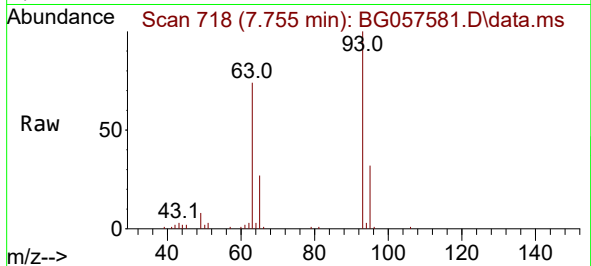
Tgt Ion: 94 Resp: 77418  
Ion Ratio Lower Upper  
94 100  
65 29.1 13.5 53.5  
66 43.9 26.7 66.7





#11  
bis(2-Chloroethyl)ether  
Concen: 42.914 ng  
RT: 7.755 min Scan# 718  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

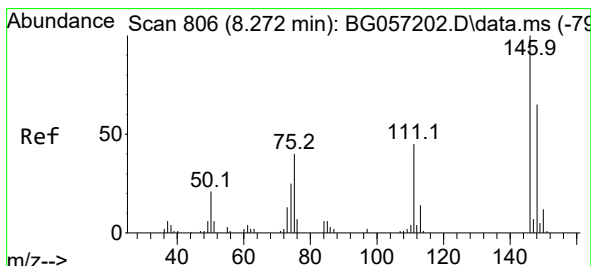
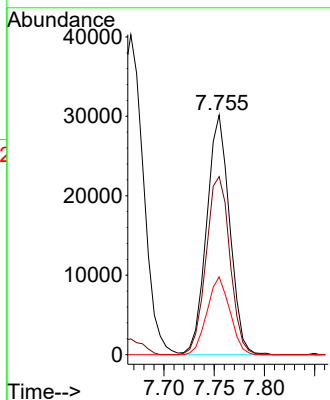
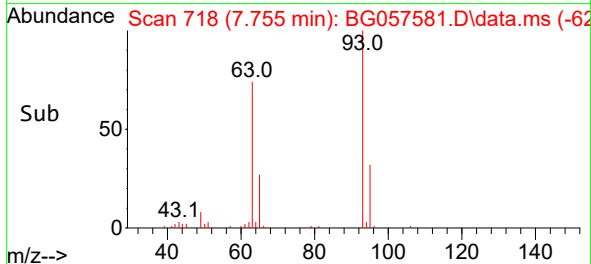
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



Tgt Ion: 93 Resp: 4817  
Ion Ratio Lower Upper  
93 100  
63 74.3 58.6 98.6  
95 32.5 12.2 52.2

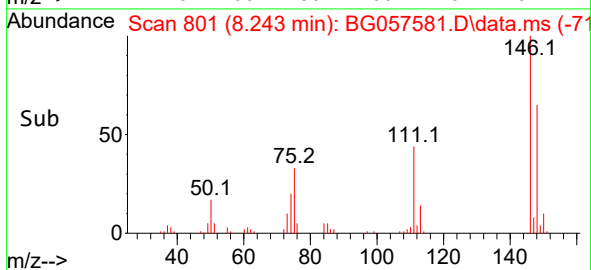
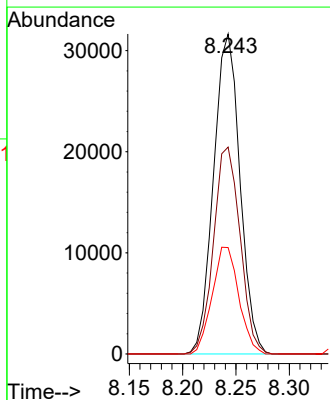
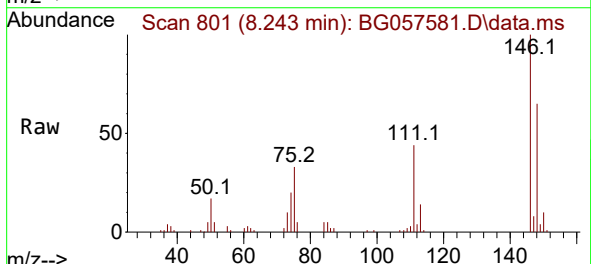
Manual Integrations  
APPROVED

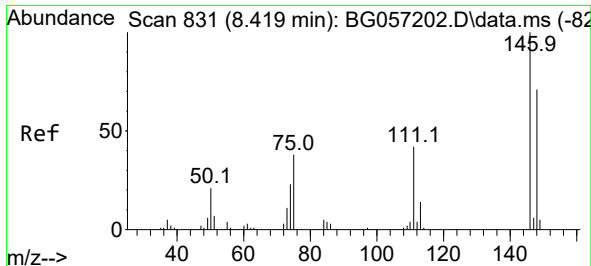
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#12  
1,3-Dichlorobenzene  
Concen: 46.444 ng  
RT: 8.243 min Scan# 801  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:146 Resp: 54469  
Ion Ratio Lower Upper  
146 100  
148 64.6 52.2 78.2  
75 33.3 31.7 47.5





#13

1,4-Dichlorobenzene

Concen: 47.488 ng

RT: 8.389 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

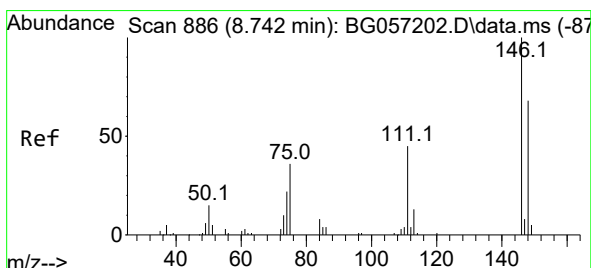
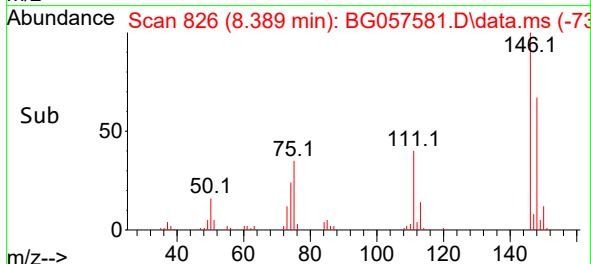
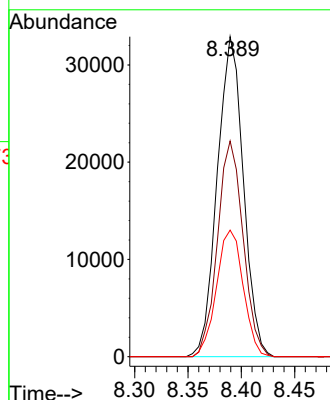
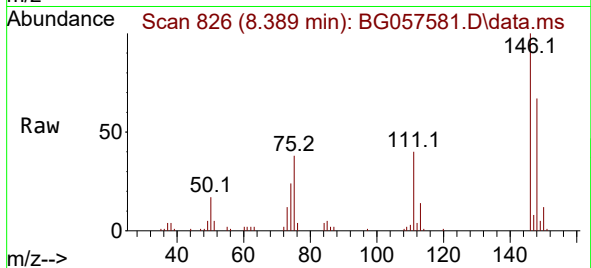
Tgt Ion:146 Resp: 5594

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 67.4  | 56.4  | 84.6  |
| 111 | 39.6  | 33.8  | 50.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#14

1,2-Dichlorobenzene

Concen: 47.381 ng

RT: 8.712 min Scan# 881

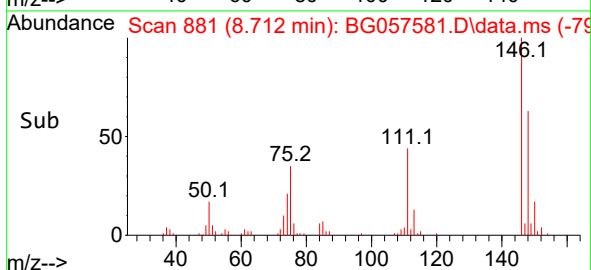
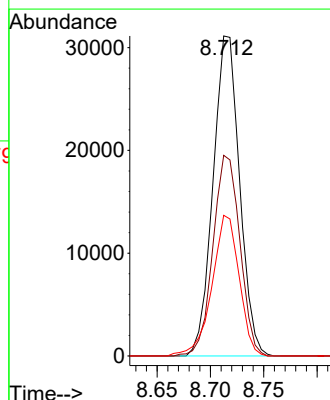
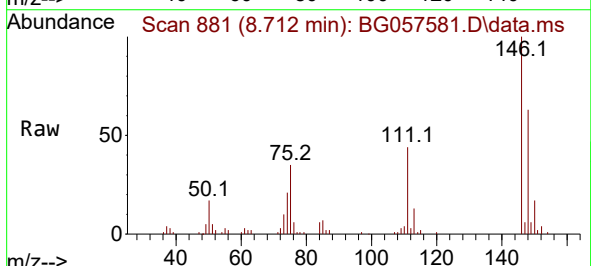
Delta R.T. -0.003 min

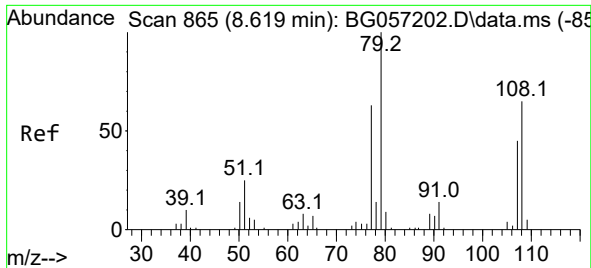
Lab File: BG057581.D

Acq: 26 May 2023 11:50

Tgt Ion:146 Resp: 53883

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 62.7  | 54.6  | 82.0  |
| 111 | 44.0  | 37.2  | 55.8  |





#15  
Benzyl Alcohol  
Concen: 46.275 ng  
RT: 8.595 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

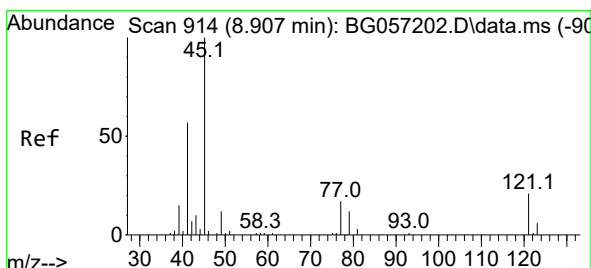
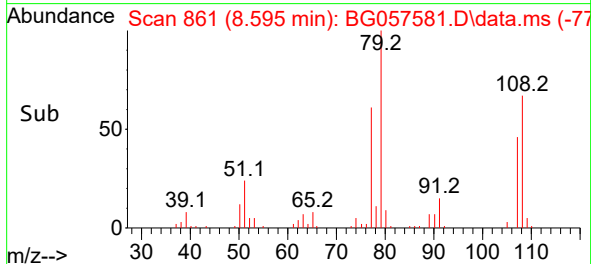
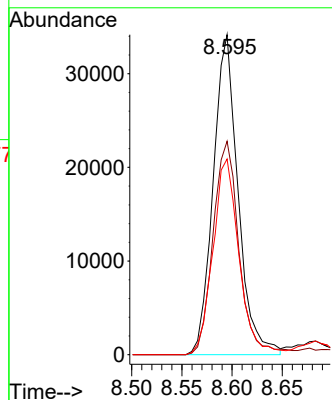
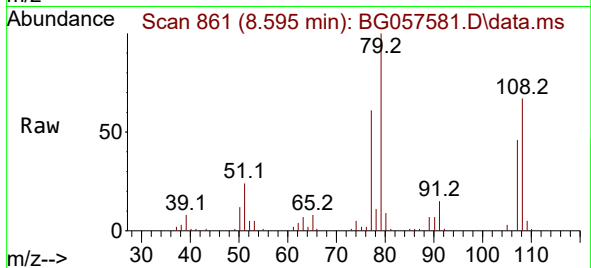
ClientSampleId :

PB152987BS

Tgt Ion: 79 Resp: 5886  
Ion Ratio Lower Upper  
79 100  
108 66.7 52.2 78.2  
77 61.2 50.1 75.1

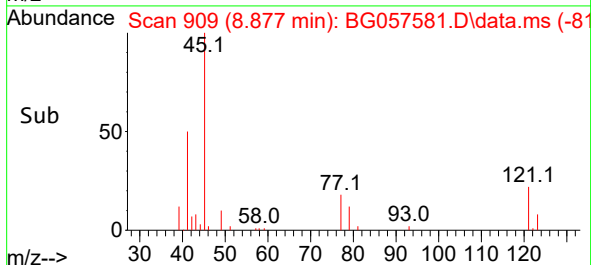
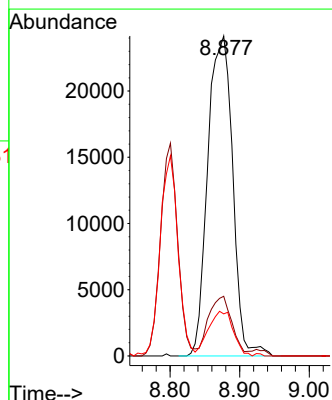
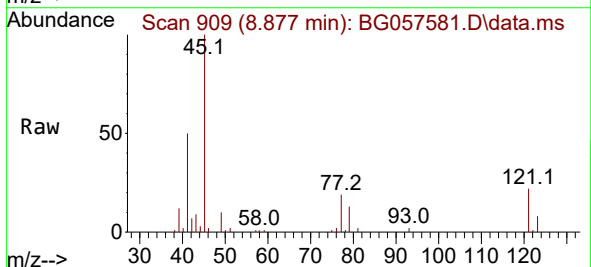
Manual Integrations  
APPROVED

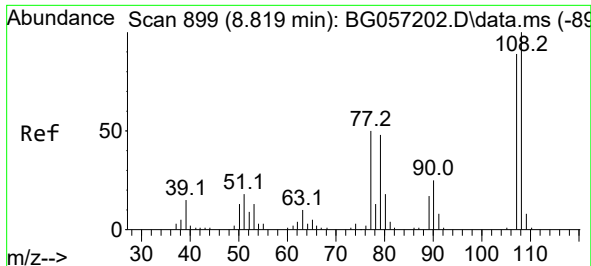
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.360 ng m  
RT: 8.877 min Scan# 909  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion: 45 Resp: 59931  
Ion Ratio Lower Upper  
45 100  
77 18.6 0.0 38.5  
79 13.2 0.0 33.8





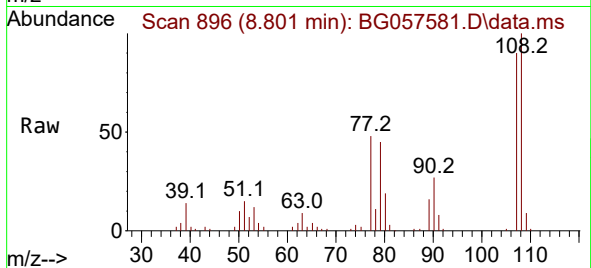
#17  
2-Methylphenol  
Concen: 50.119 ng  
RT: 8.801 min Scan# 899  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

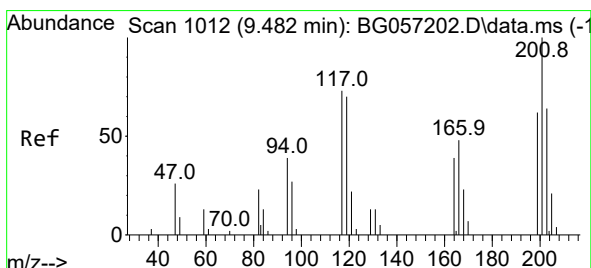
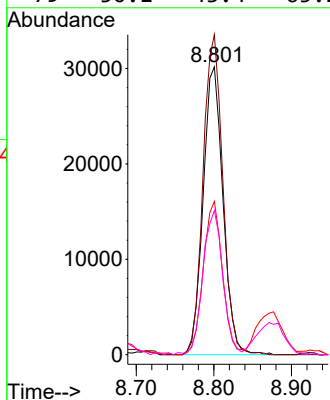
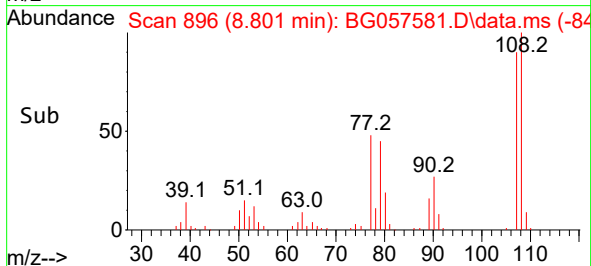


Tgt Ion:107 Resp: 5378  
Ion Ratio Lower Upper  
107 100  
108 111.2 89.5 134.3  
77 53.2 45.1 67.7  
79 50.1 43.4 65.2

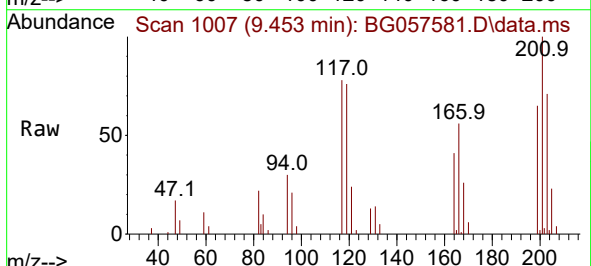
Manual Integrations

APPROVED

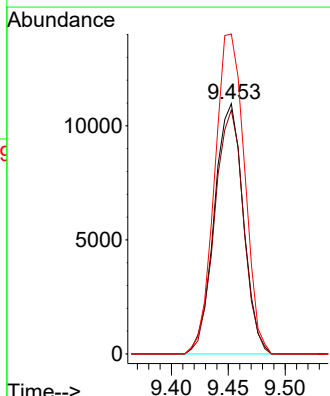
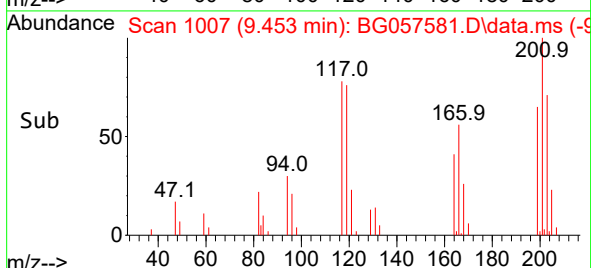
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

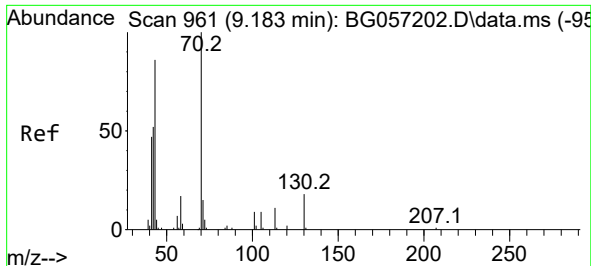


#18  
Hexachloroethane  
Concen: 45.731 ng  
RT: 9.453 min Scan# 1007  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:117 Resp: 19441  
Ion Ratio Lower Upper  
117 100  
119 97.5 76.7 115.1  
201 127.9 109.0 163.4





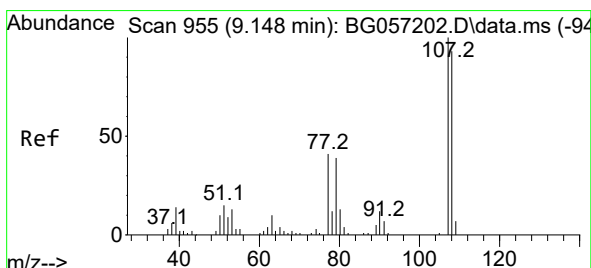
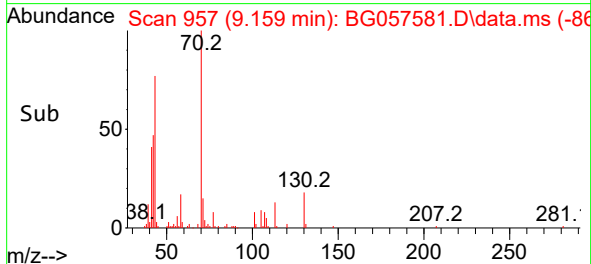
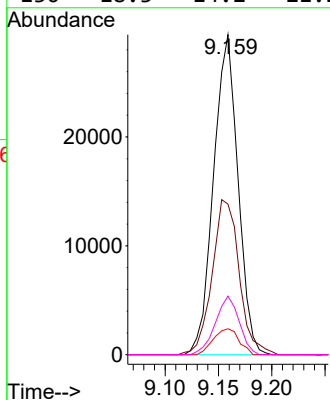
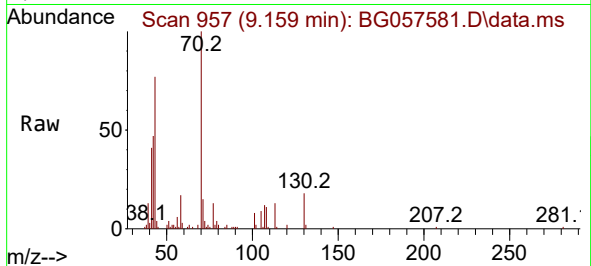
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.126 ng  
RT: 9.159 min Scan# 915  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS

Tgt Ion: 70 Resp: 4672  
Ion Ratio Lower Upper  
70 100  
42 47.1 41.8 62.8  
101 8.1 6.8 10.2  
130 18.3 14.2 21.2

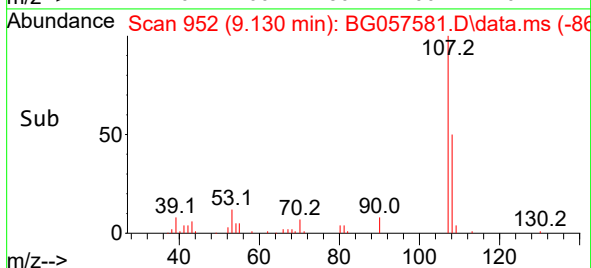
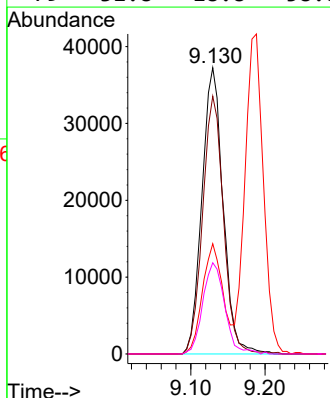
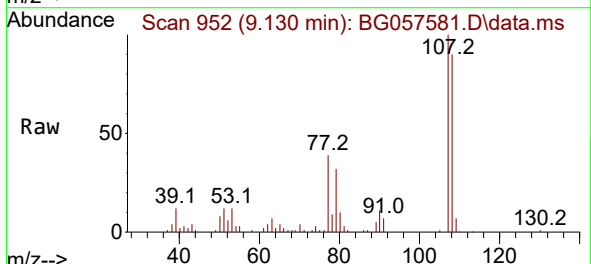
Manual Integrations  
APPROVED

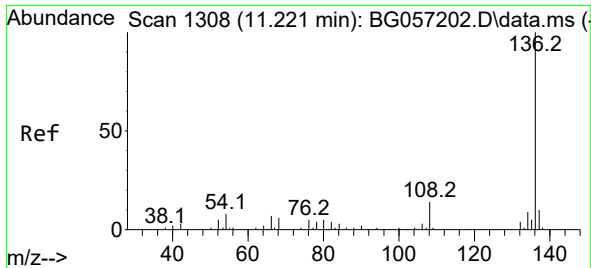
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#20  
3+4-Methylphenols  
Concen: 50.261 ng  
RT: 9.130 min Scan# 952  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:107 Resp: 73850  
Ion Ratio Lower Upper  
107 100  
108 90.1 73.5 113.5  
77 38.5 21.1 61.1  
79 31.8 18.8 58.8





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.191 min Scan# 1303  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

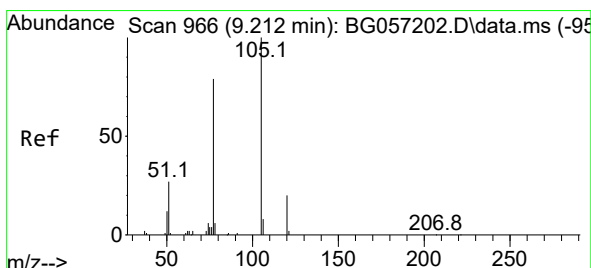
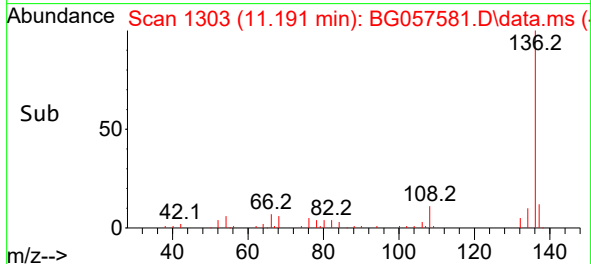
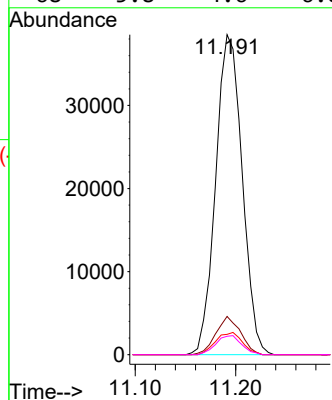
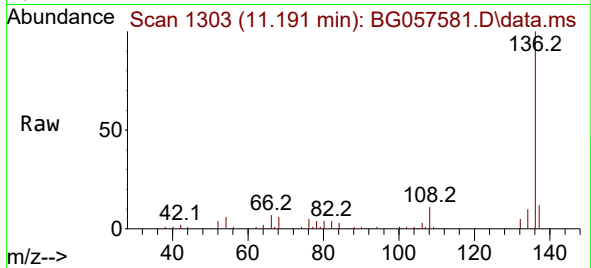
PB152987BS

Tgt Ion:136 Resp: 70568  
Ion Ratio Lower Upper  
136 100  
137 11.9 8.3 12.5  
54 6.3 6.7 10.1  
68 5.8 4.6 6.8

Manual Integrations

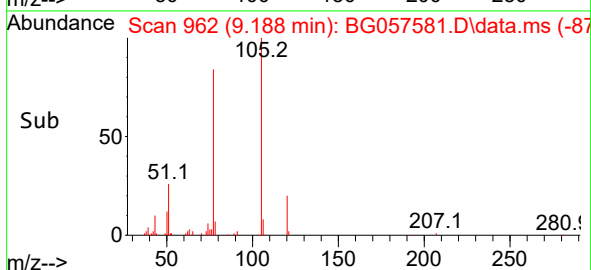
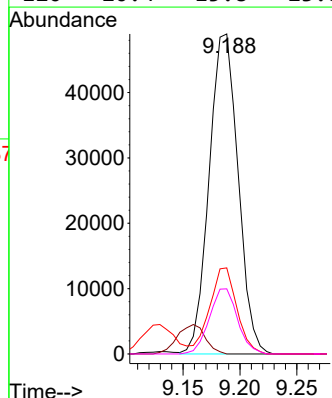
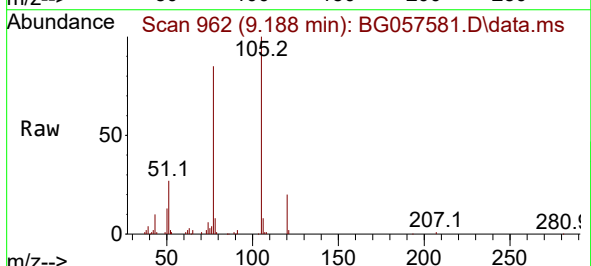
APPROVED

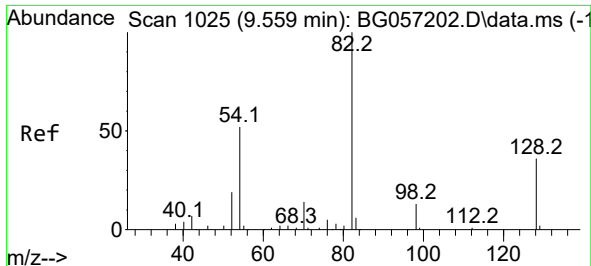
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#22  
Acetophenone  
Concen: 42.944 ng  
RT: 9.188 min Scan# 962  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:105 Resp: 86737  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.4 0.6#  
51 26.9 24.0 36.0  
120 20.4 15.8 23.8





#23  
Nitrobenzene-d5  
Concen: 63.606 ng  
RT: 9.535 min Scan# 1021  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

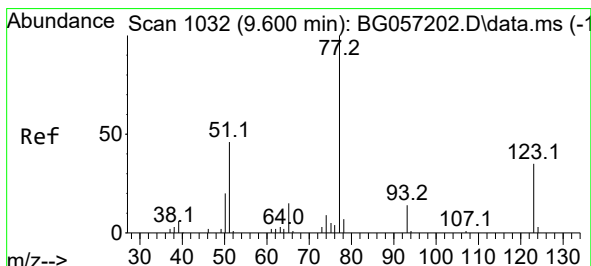
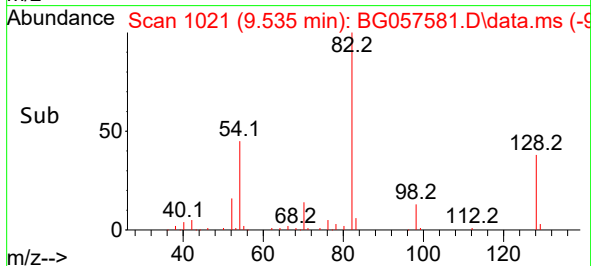
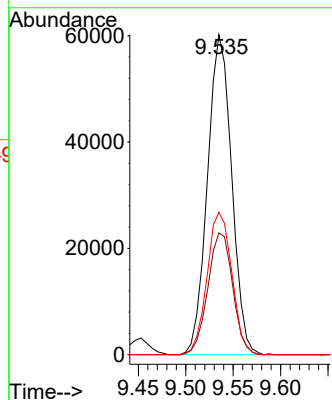
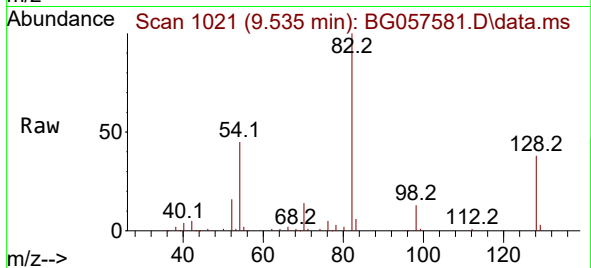
PB152987BS

Tgt Ion: 82 Resp: 106945  
Ion Ratio Lower Upper  
82 100  
128 38.1 29.0 43.4  
54 44.5 41.4 62.0

Manual Integrations

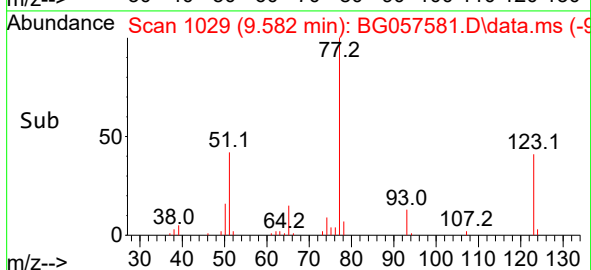
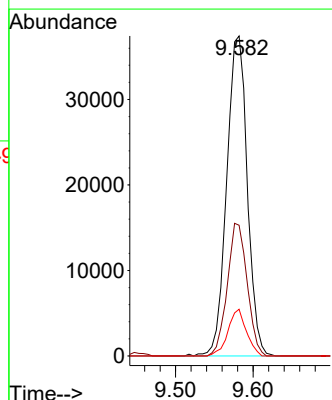
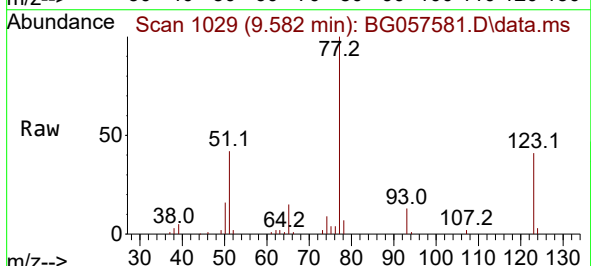
APPROVED

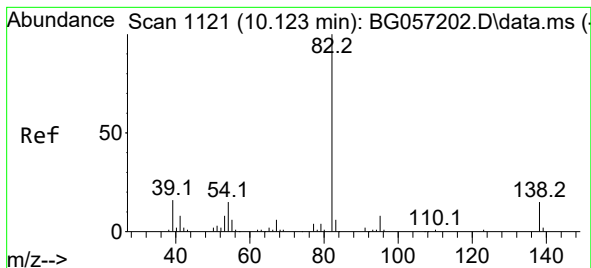
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#24  
Nitrobenzene  
Concen: 40.624 ng  
RT: 9.582 min Scan# 1029  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion: 77 Resp: 68940  
Ion Ratio Lower Upper  
77 100  
123 40.9 28.2 42.2  
65 14.6 11.7 17.5





#25

Isophorone

Concen: 39.268 ng

RT: 10.099 min Scan# 1117

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

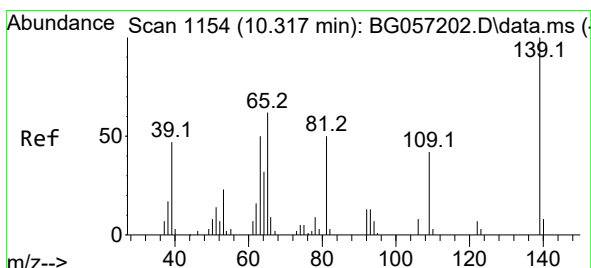
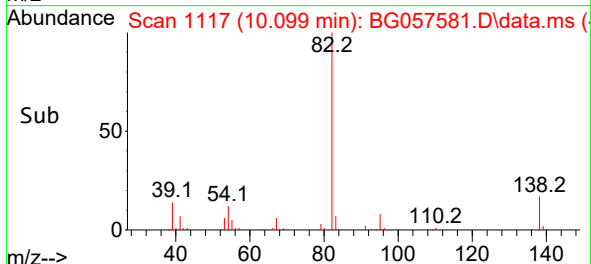
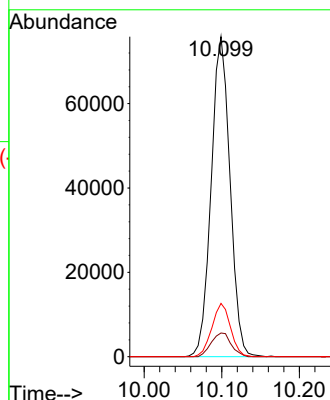
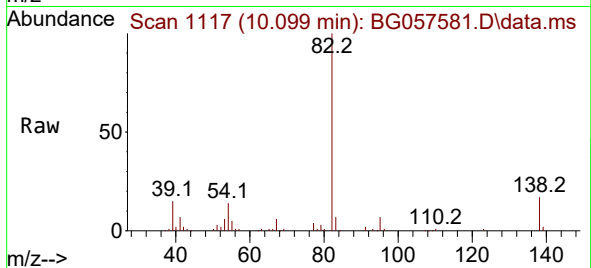
PB152987BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 12802 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 95        | 7.4   | 6.4   | 9.6   |
| 138       | 16.7  | 12.3  | 18.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#26

2-Nitrophenol

Concen: 50.123 ng

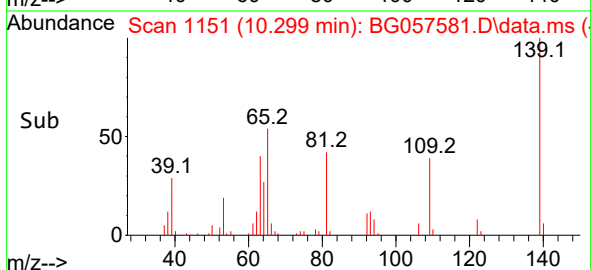
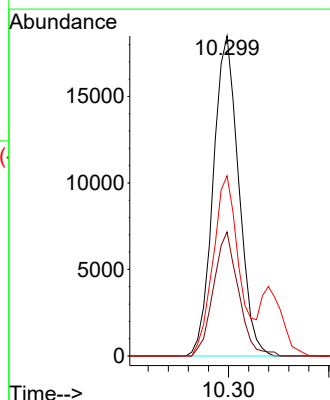
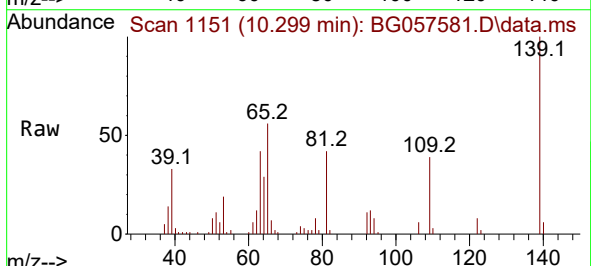
RT: 10.299 min Scan# 1151

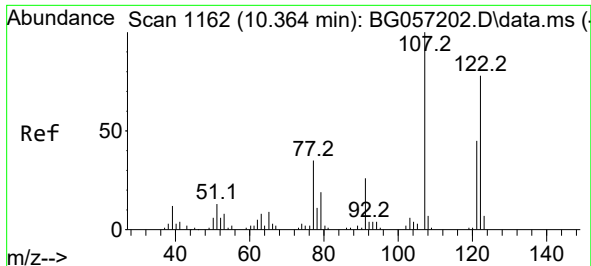
Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 32559 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 38.8  | 33.4  | 50.2  |
| 65        | 56.3  | 49.8  | 74.6  |





#27

2,4-Dimethylphenol

Concen: 52.973 ng

RT: 10.340 min Scan# 1158

Delta R.T. -0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

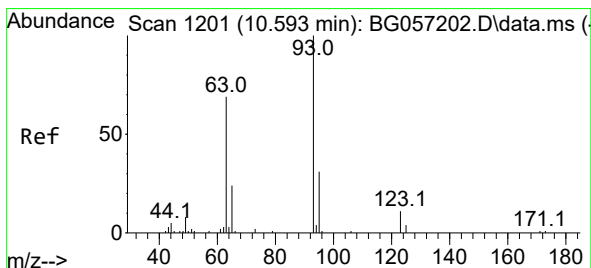
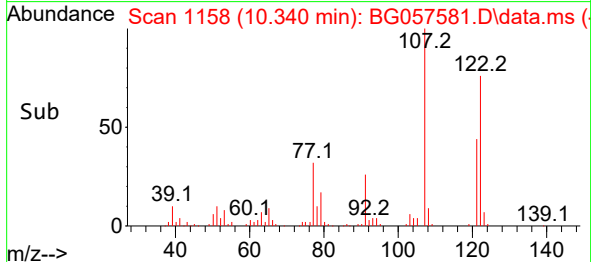
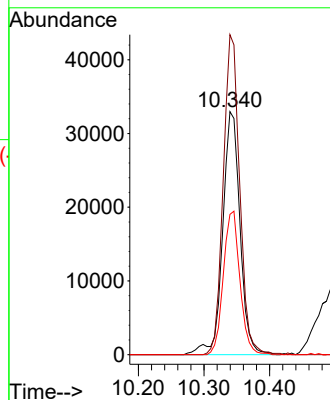
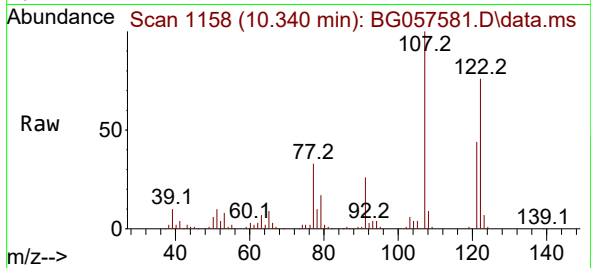
PB152987BS

Tgt Ion:122 Resp: 6025  
 Ion Ratio Lower Upper  
 122 100  
 107 131.7 103.0 154.4  
 121 57.7 45.9 68.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023  
 Supervised By :Jagrut Upadhyay 05/31/2023



#28

bis(2-Chloroethoxy)methane

Concen: 43.694 ng

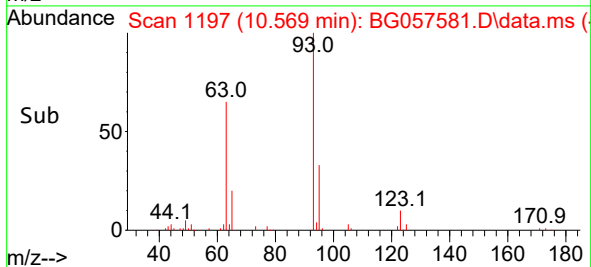
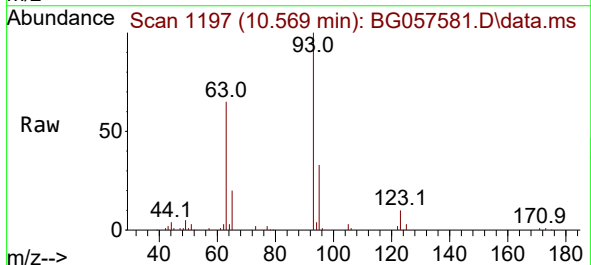
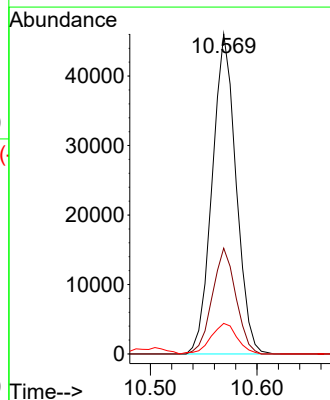
RT: 10.569 min Scan# 1197

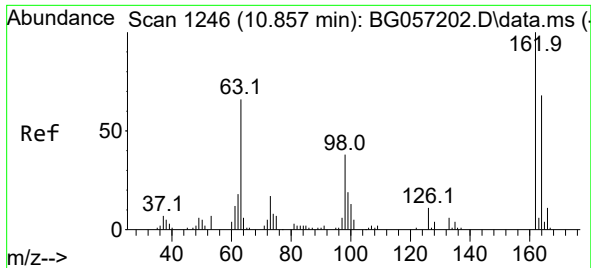
Delta R.T. -0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

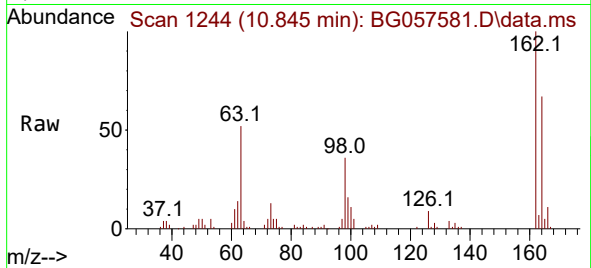
Tgt Ion: 93 Resp: 71368  
 Ion Ratio Lower Upper  
 93 100  
 95 33.1 25.0 37.6  
 123 9.6 8.5 12.7





#29  
2,4-Dichlorophenol  
Concen: 53.687 ng  
RT: 10.845 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

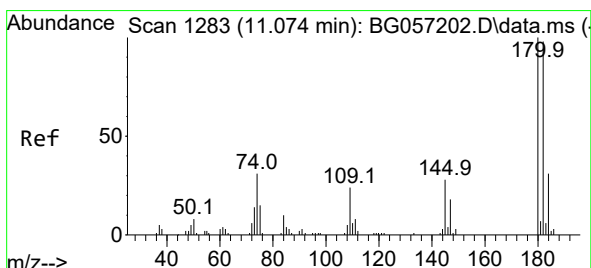
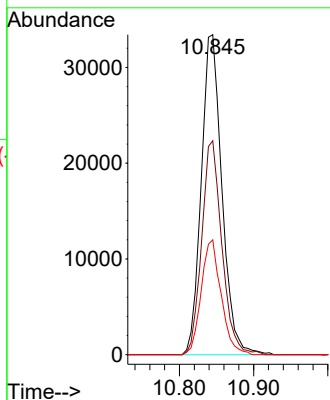
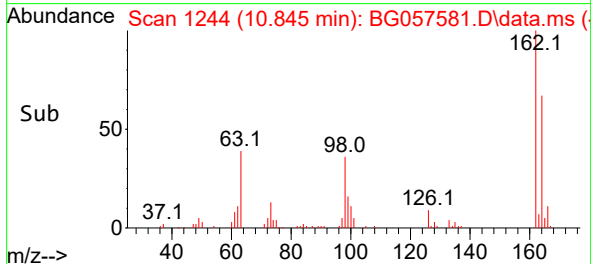
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



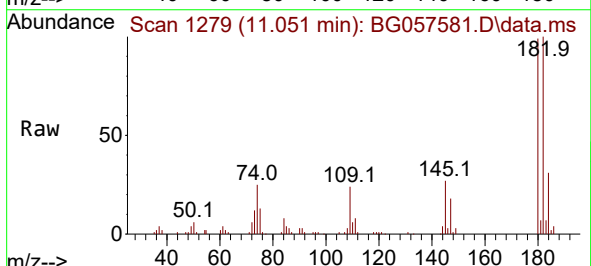
Tgt Ion:162 Resp: 6476  
Ion Ratio Lower Upper  
162 100  
164 66.9 48.4 88.4  
98 35.9 17.6 57.6

Manual Integrations  
APPROVED

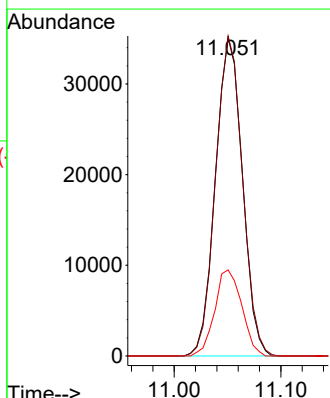
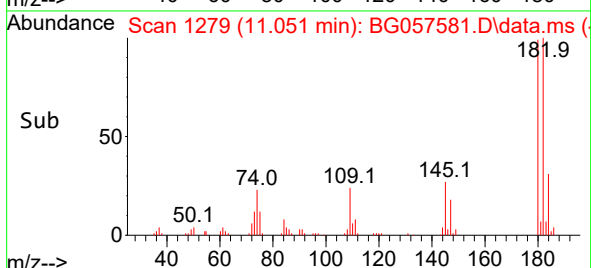
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

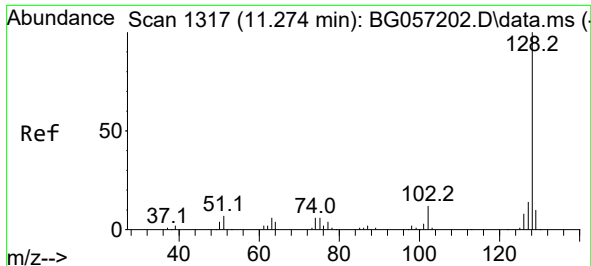


#30  
1,2,4-Trichlorobenzene  
Concen: 44.267 ng  
RT: 11.051 min Scan# 1279  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



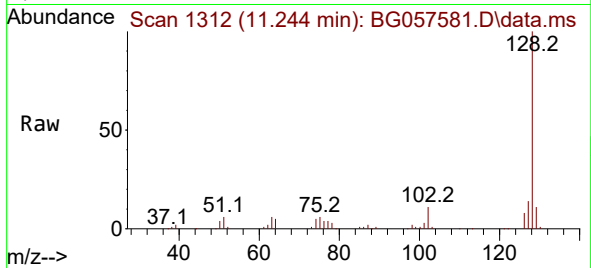
Tgt Ion:180 Resp: 61596  
Ion Ratio Lower Upper  
180 100  
182 100.6 78.0 117.0  
145 27.1 22.4 33.6





#31  
Naphthalene  
Concen: 44.586 ng  
RT: 11.244 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

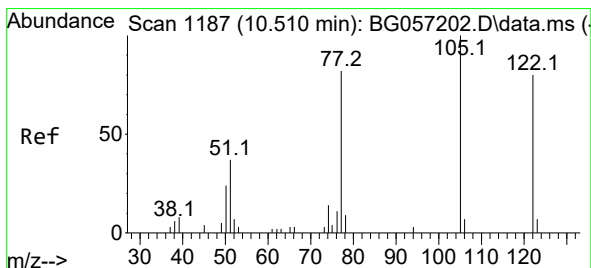
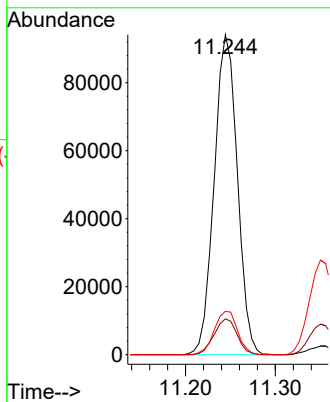
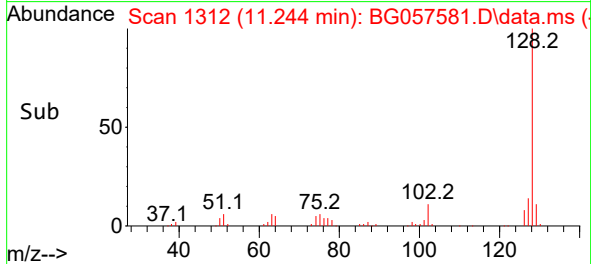
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



Tgt Ion:128 Resp: 16820  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.3 12.5  
127 13.6 11.1 16.7

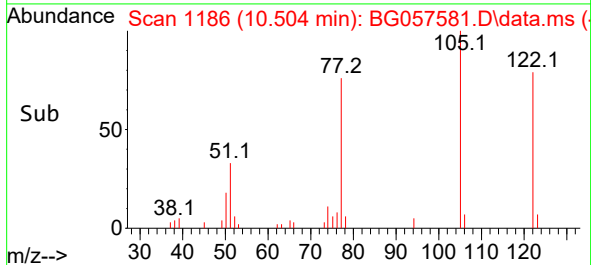
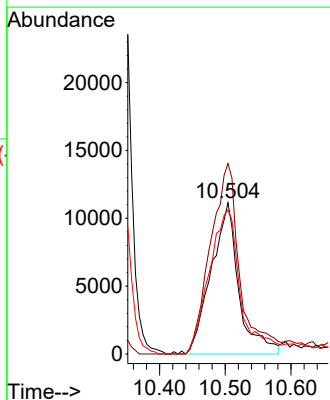
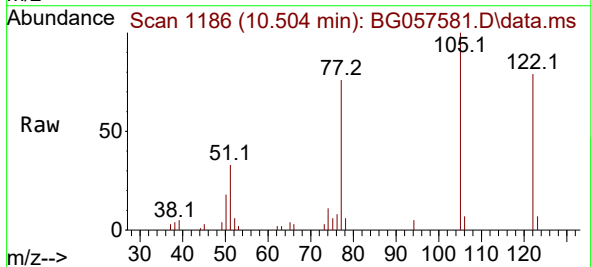
Manual Integrations  
APPROVED

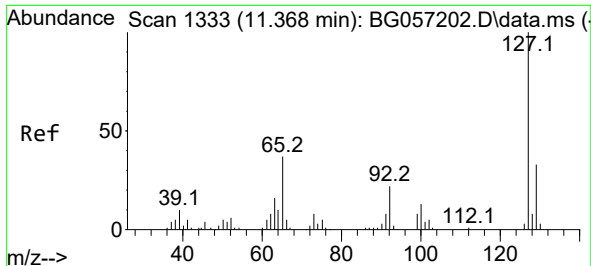
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#32  
Benzoic acid  
Concen: 49.453 ng  
RT: 10.504 min Scan# 1186  
Delta R.T. 0.009 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:122 Resp: 32540  
Ion Ratio Lower Upper  
122 100  
105 125.9 105.2 145.2  
77 95.2 83.1 123.1





#33  
4-Chloroaniline  
Concen: 33.886 ng  
RT: 11.350 min Scan# 1133  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

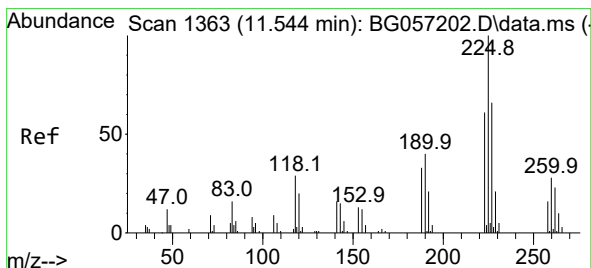
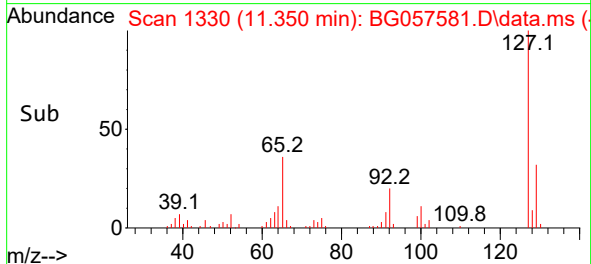
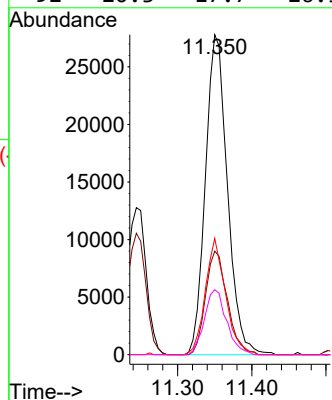
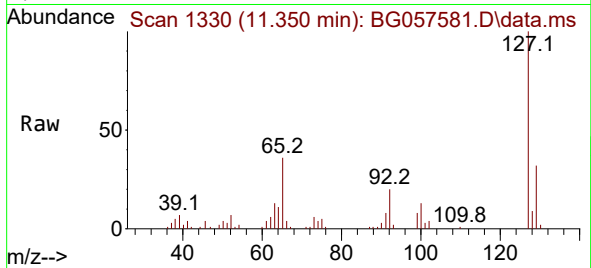
PB152987BS

Tgt Ion:127 Resp: 57410  
Ion Ratio Lower Upper  
127 100  
129 32.3 26.7 40.1  
65 36.3 29.7 44.5  
92 20.3 17.7 26.5

Manual Integrations

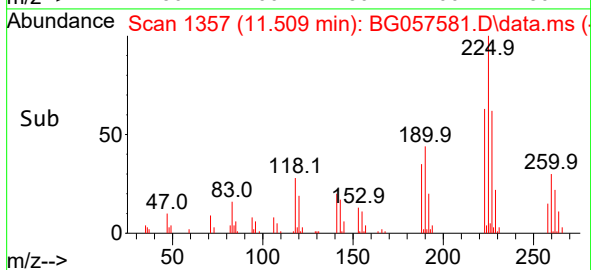
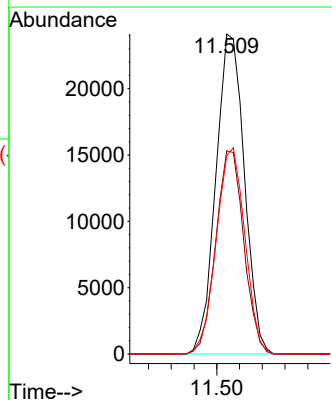
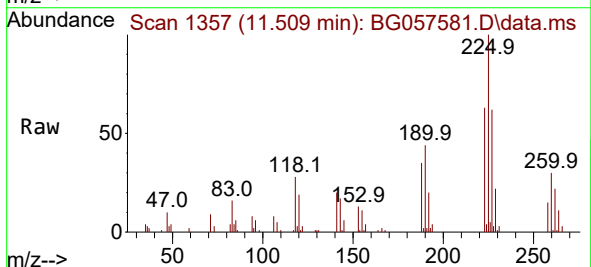
APPROVED

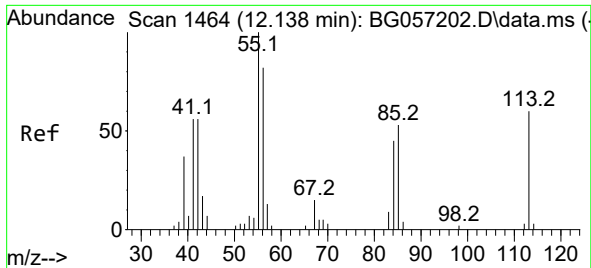
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#34  
Hexachlorobutadiene  
Concen: 40.730 ng  
RT: 11.509 min Scan# 1357  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:225 Resp: 42053  
Ion Ratio Lower Upper  
225 100  
223 63.5 48.6 72.8  
227 62.0 52.7 79.1





#35  
Caprolactam  
Concen: 51.835 ng m  
RT: 12.126 min Scan# 1462  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

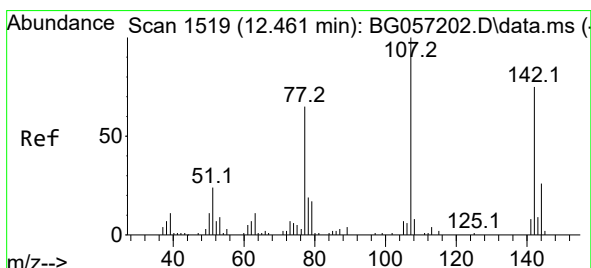
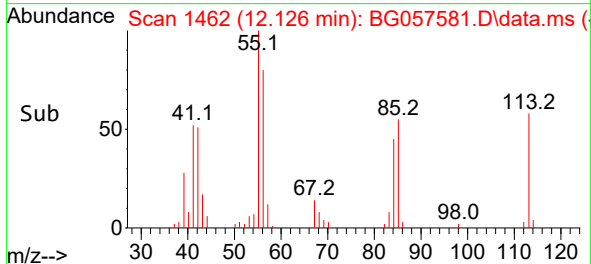
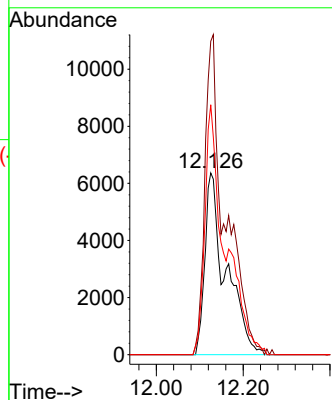
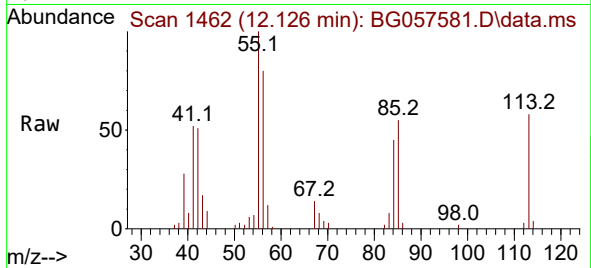
PB152987BS

Tgt Ion:113 Resp: 2136  
Ion Ratio Lower Upper  
113 100  
55 172.5 145.5 185.5  
56 137.5 115.9 155.9

Manual Integrations

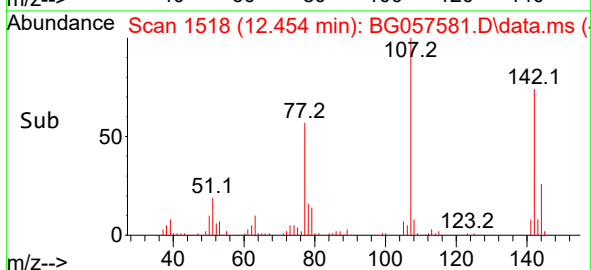
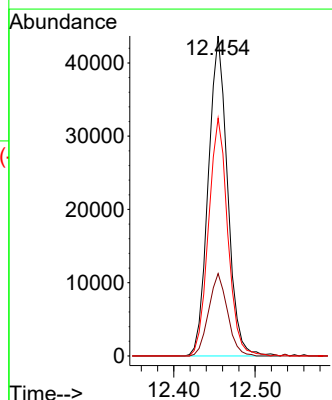
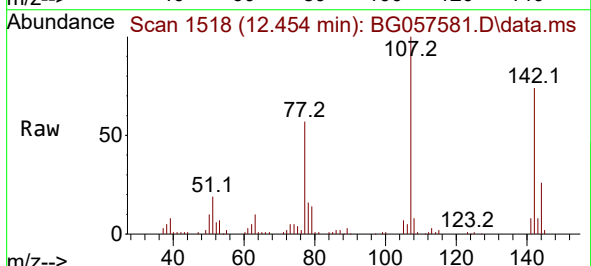
APPROVED

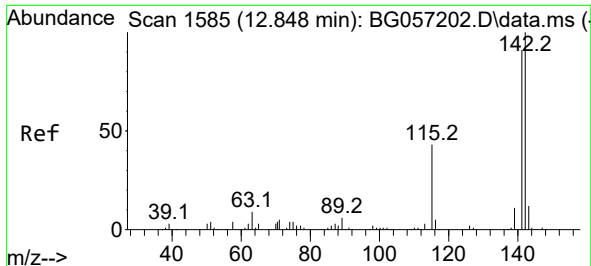
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#36  
4-Chloro-3-methylphenol  
Concen: 52.314 ng  
RT: 12.454 min Scan# 1518  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

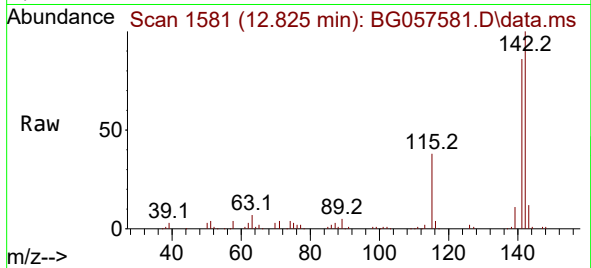
Tgt Ion:107 Resp: 71720  
Ion Ratio Lower Upper  
107 100  
144 25.8 21.0 31.6  
142 74.3 60.0 90.0





#37  
2-Methylnaphthalene  
Concen: 44.686 ng  
RT: 12.825 min Scan# 1581  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

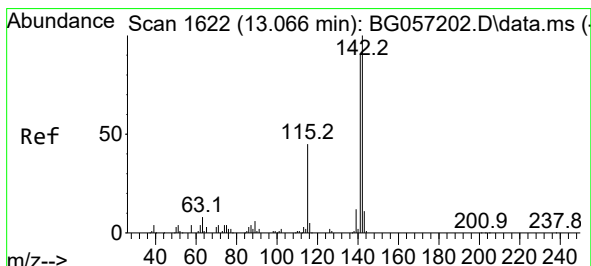
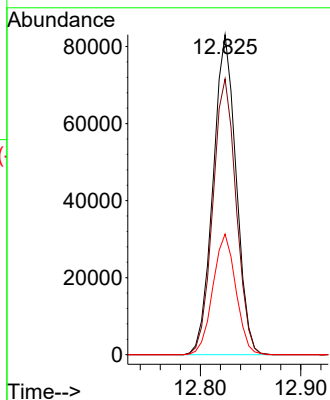
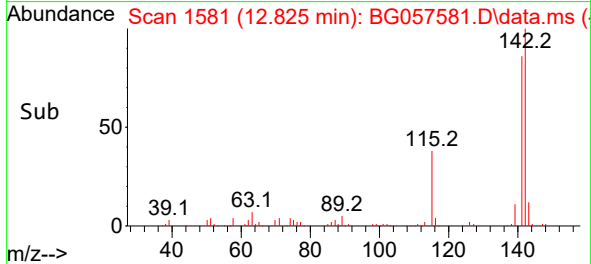
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



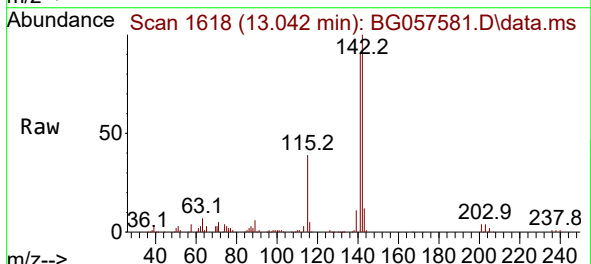
Tgt Ion:142 Resp: 132548  
Ion Ratio Lower Upper  
142 100  
141 86.2 73.1 109.7  
115 37.7 34.6 52.0

Manual Integrations  
APPROVED

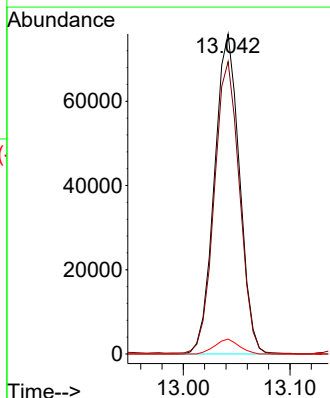
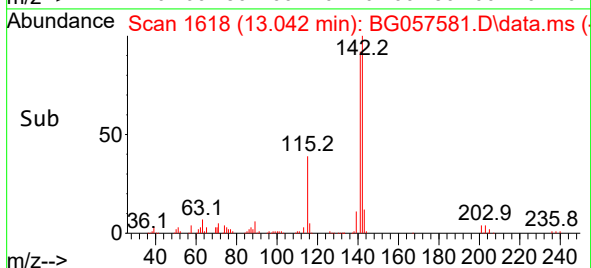
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

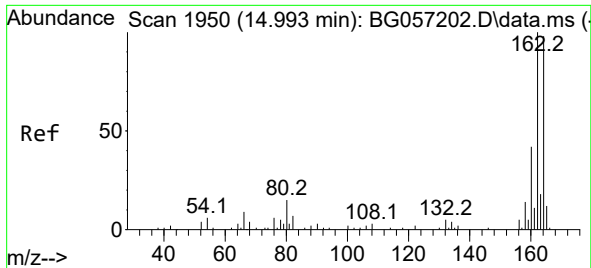


#38  
1-Methylnaphthalene  
Concen: 44.278 ng  
RT: 13.042 min Scan# 1618  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:142 Resp: 123793  
Ion Ratio Lower Upper  
142 100  
141 91.4 72.5 108.7  
116 4.7 3.7 5.5





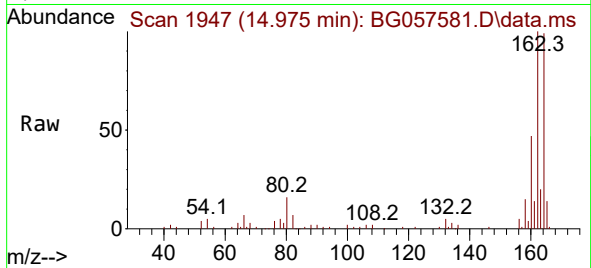
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.975 min Scan# 1947  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

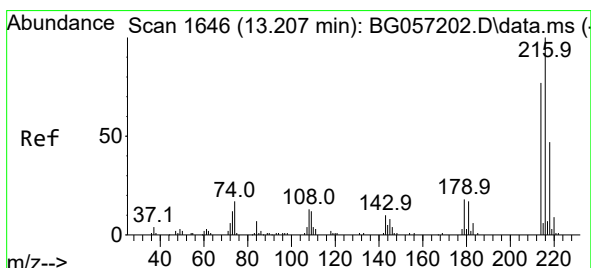
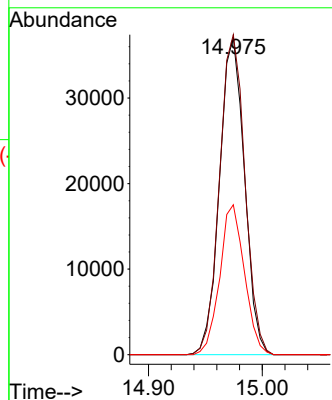
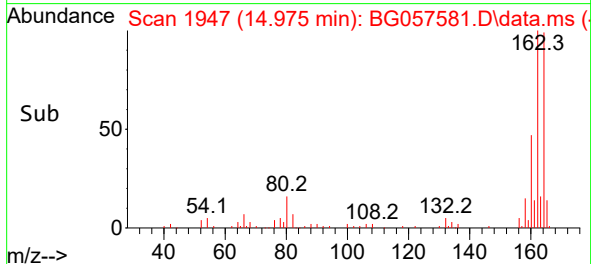


Tgt Ion:164 Resp: 5645  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.8 122.6  
160 47.2 34.6 52.0

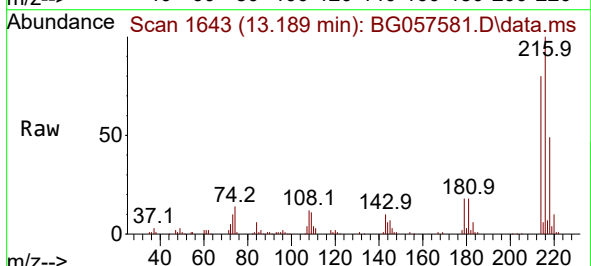
Manual Integrations

APPROVED

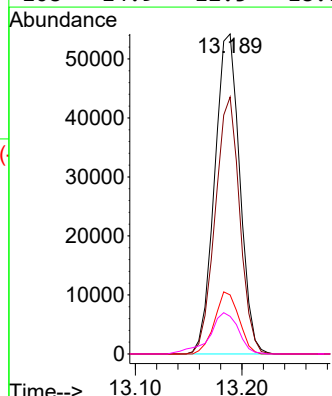
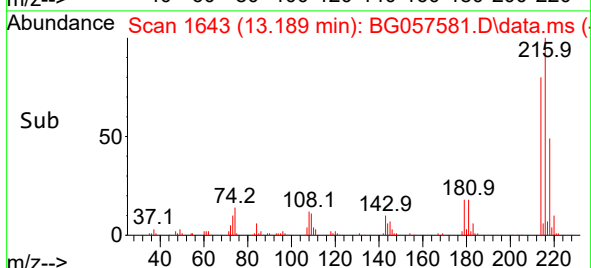
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

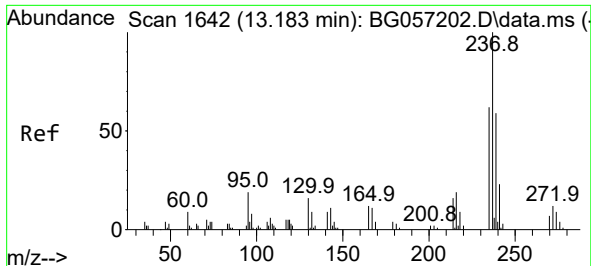


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.208 ng  
RT: 13.189 min Scan# 1643  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



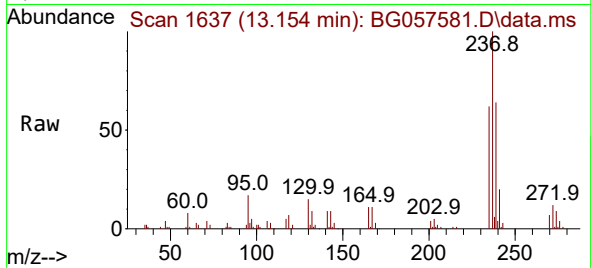
Tgt Ion:216 Resp: 88599  
Ion Ratio Lower Upper  
216 100  
214 78.1 63.7 95.5  
179 18.8 14.6 22.0  
108 14.9 12.5 18.7





#41  
Hexachlorocyclopentadiene  
Concen: 60.644 ng  
RT: 13.154 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

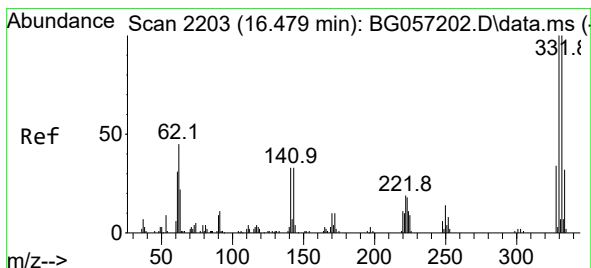
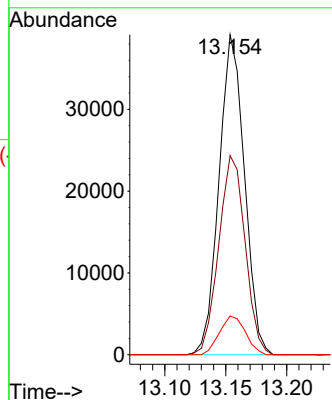
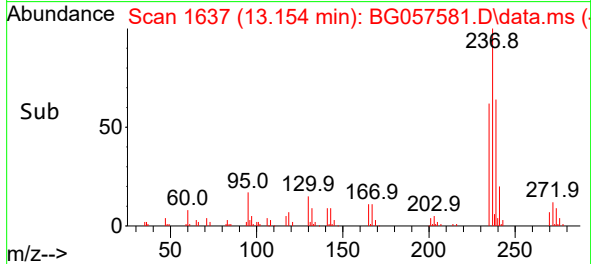
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



Tgt Ion:237 Resp: 5682  
Ion Ratio Lower Upper  
237 100  
235 62.2 42.0 82.0  
272 12.1 0.0 31.5

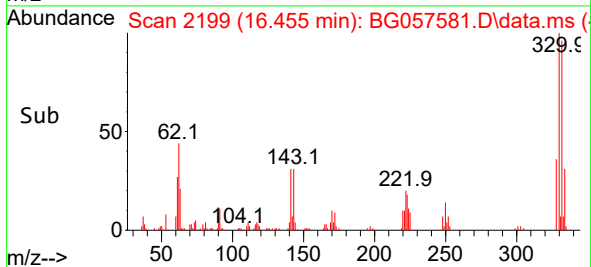
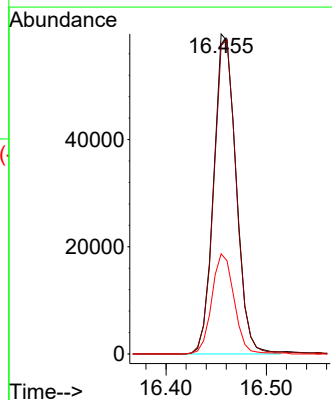
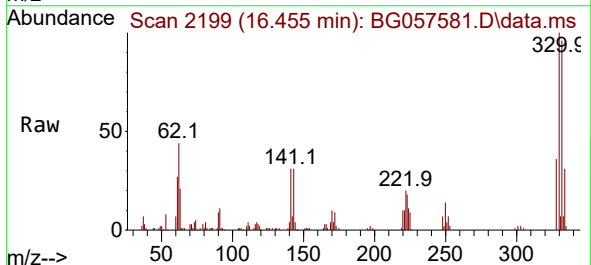
Manual Integrations  
APPROVED

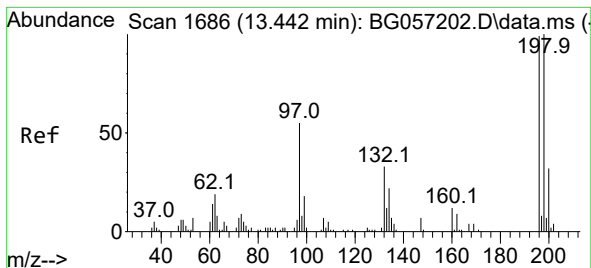
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#42  
2,4,6-Tribromophenol  
Concen: 115.526 ng  
RT: 16.455 min Scan# 2199  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:330 Resp: 92537  
Ion Ratio Lower Upper  
330 100  
332 98.8 78.2 117.2  
141 31.2 27.8 41.8





#43

2,4,6-Trichlorophenol

Concen: 49.841 ng

RT: 13.424 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

Tgt Ion:196 Resp: 6085

Ion Ratio Lower Upper

196 100

198 98.4 81.2 121.8

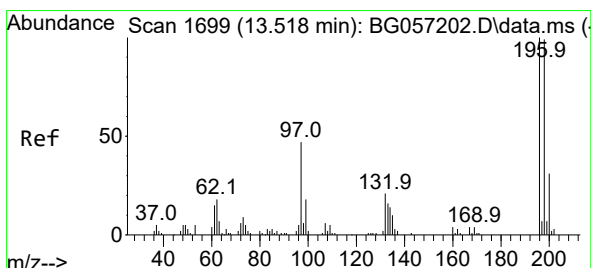
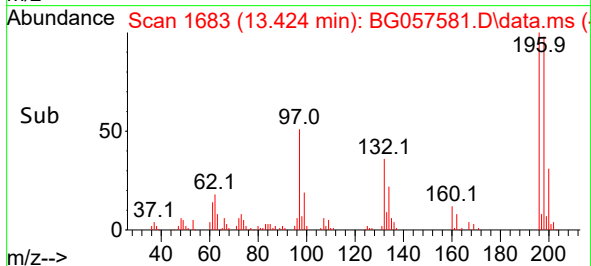
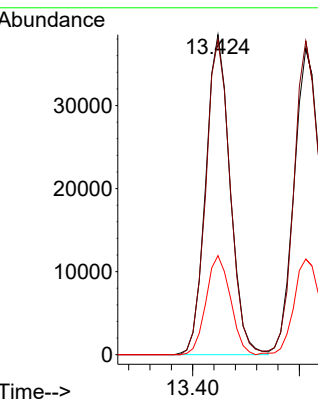
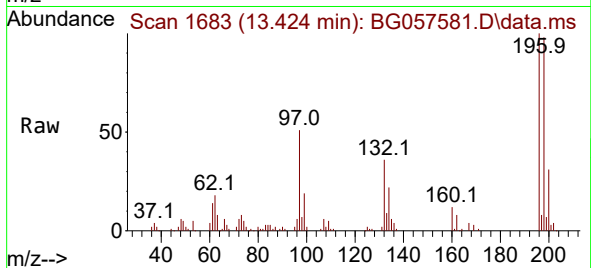
200 31.0 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#44

2,4,5-Trichlorophenol

Concen: 46.444 ng

RT: 13.506 min Scan# 1697

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Tgt Ion:196 Resp: 66705

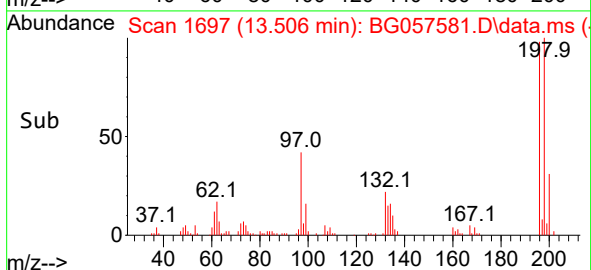
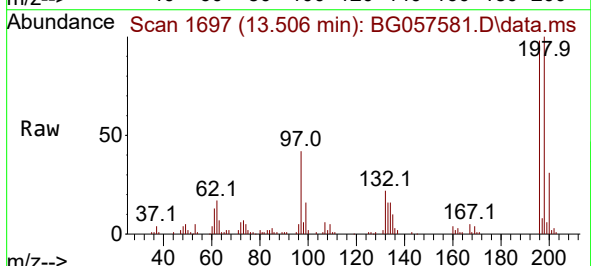
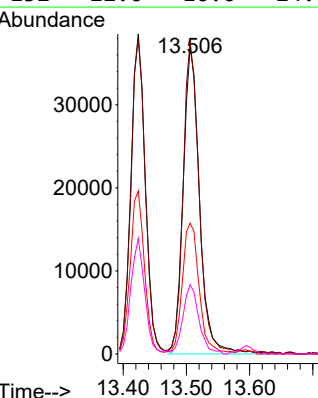
Ion Ratio Lower Upper

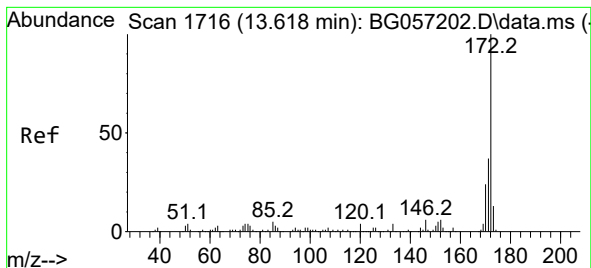
196 100

198 102.4 79.4 119.2

97 42.6 37.0 55.4

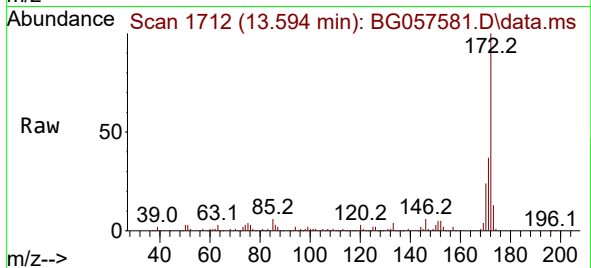
132 22.6 16.6 24.8





#45  
2-Fluorobiphenyl  
Concen: 68.052 ng  
RT: 13.594 min Scan# 1712  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

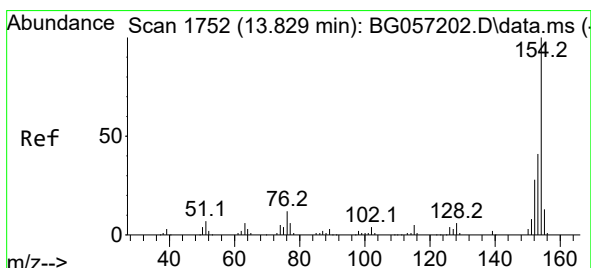
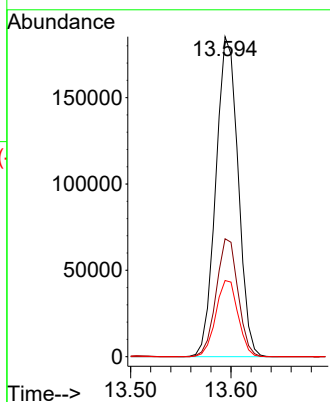
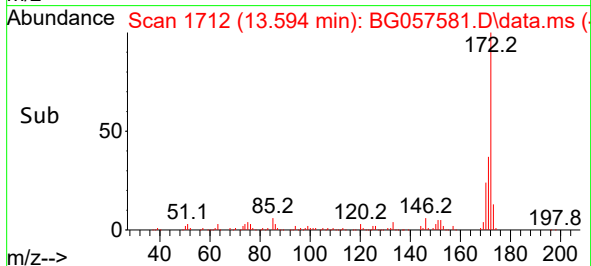
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



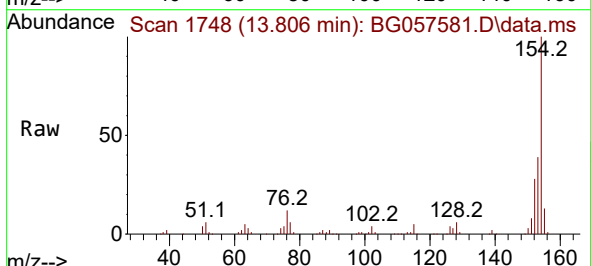
Tgt Ion:172 Resp: 285252  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.4 44.0  
170 23.8 19.0 28.6

Manual Integrations  
APPROVED

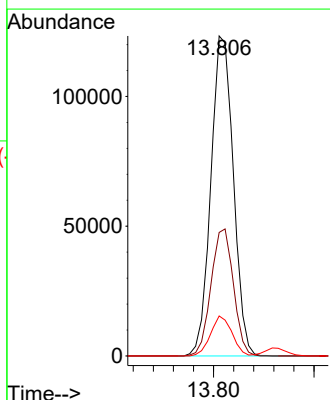
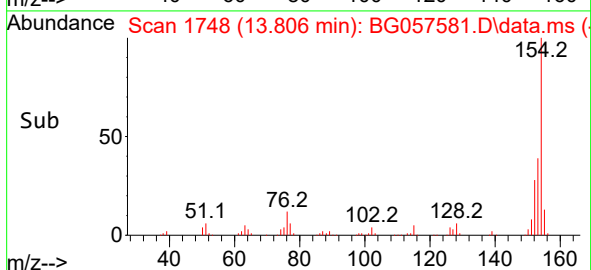
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

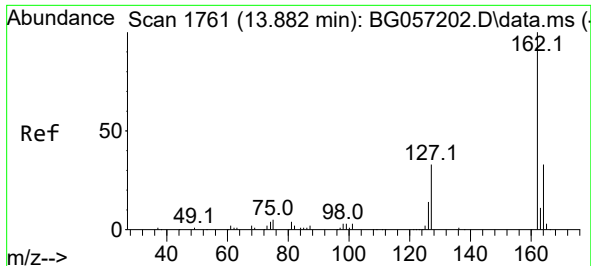


#46  
1,1'-Biphenyl  
Concen: 45.792 ng  
RT: 13.806 min Scan# 1748  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



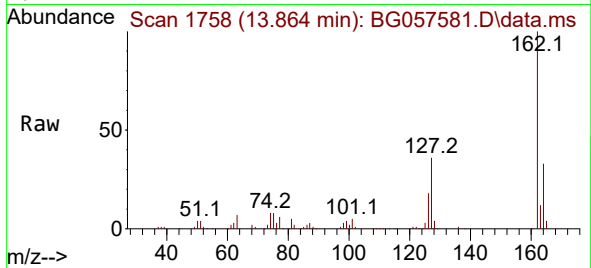
Tgt Ion:154 Resp: 191822  
Ion Ratio Lower Upper  
154 100  
153 38.6 20.9 60.9  
76 12.5 0.0 31.7





#47  
2-Chloronaphthalene  
Concen: 47.068 ng  
RT: 13.864 min Scan# 1758  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

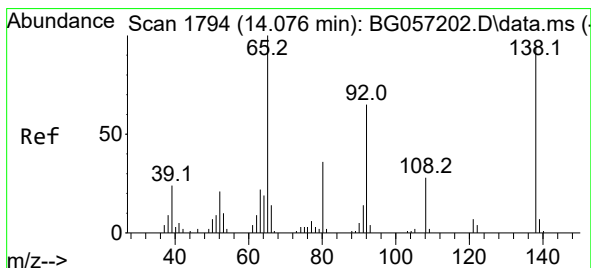
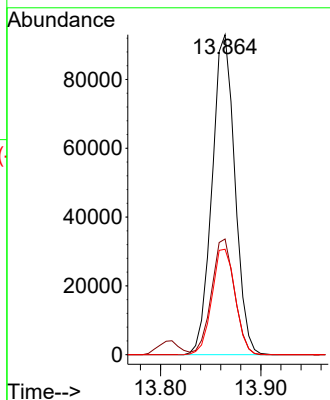
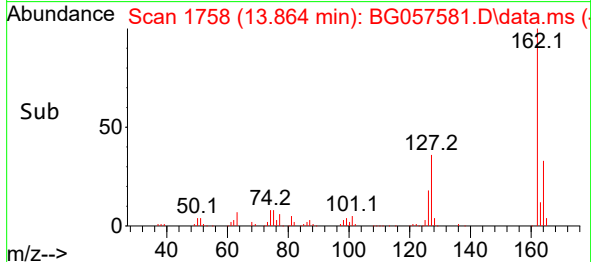
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



Tgt Ion:162 Resp: 146620  
Ion Ratio Lower Upper  
162 100  
127 36.2 29.8 44.6  
164 33.0 26.6 40.0

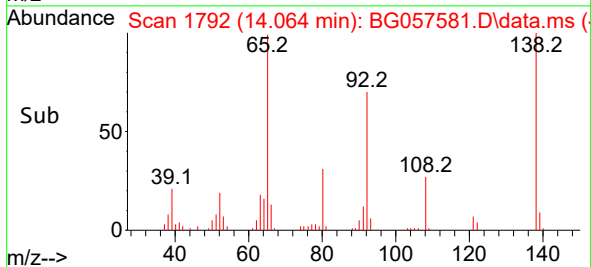
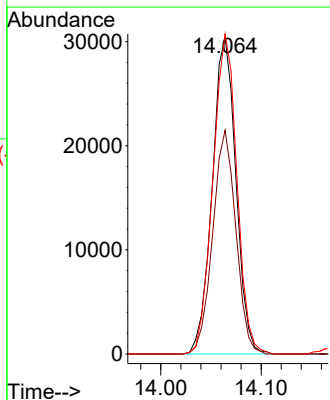
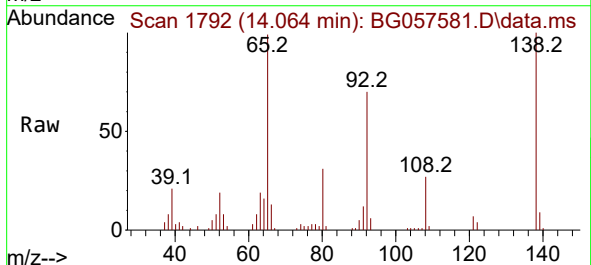
Manual Integrations  
APPROVED

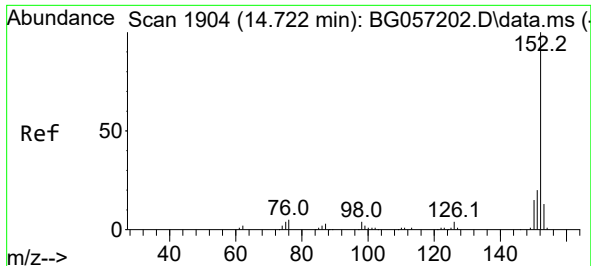
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#48  
2-Nitroaniline  
Concen: 46.900 ng  
RT: 14.064 min Scan# 1792  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion: 65 Resp: 49675  
Ion Ratio Lower Upper  
65 100  
92 70.6 52.1 78.1  
138 101.0 75.3 112.9





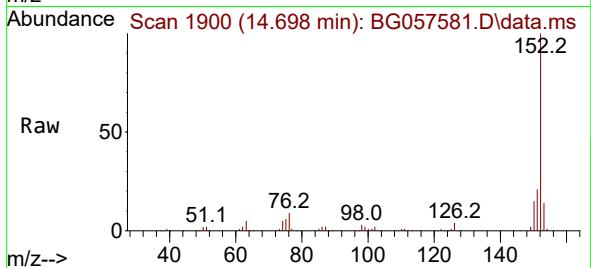
#49  
Acenaphthylene  
Concen: 46.684 ng  
RT: 14.698 min Scan# 1904  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

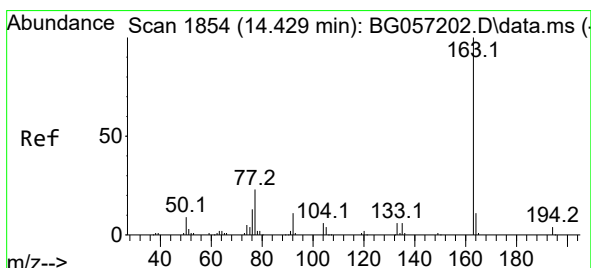
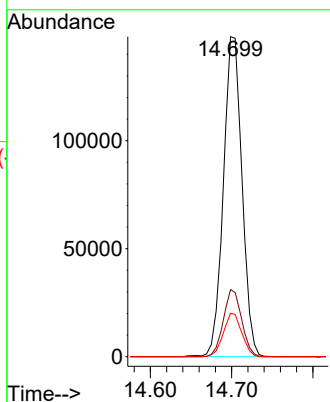
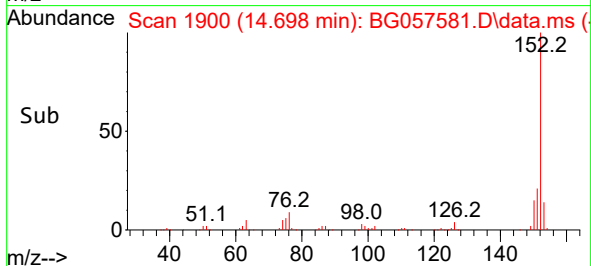


Tgt Ion:152 Resp: 236260  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.0 24.0  
153 13.6 10.7 16.1

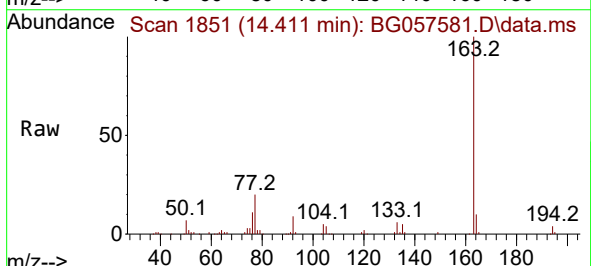
Manual Integrations

APPROVED

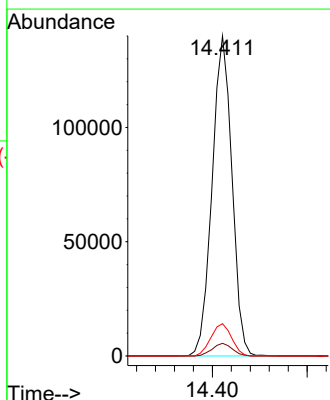
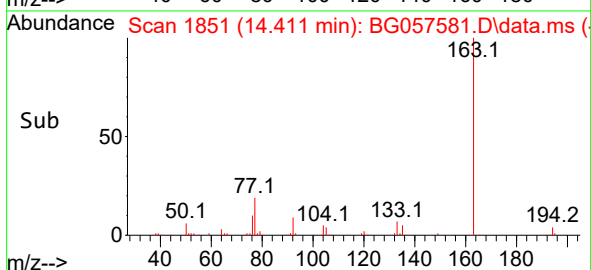
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

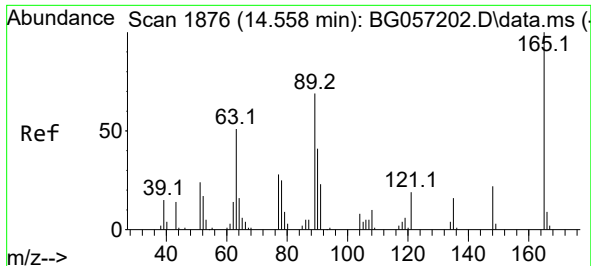


#50  
Dimethylphthalate  
Concen: 43.880 ng  
RT: 14.411 min Scan# 1851  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:163 Resp: 203561  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.2  
164 10.1 8.8 13.2





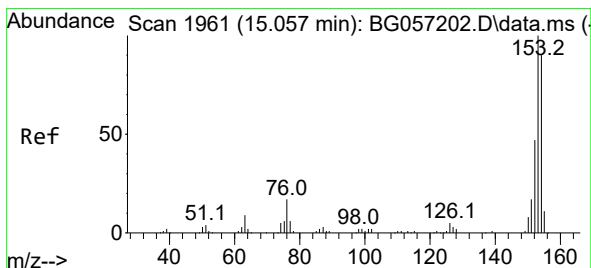
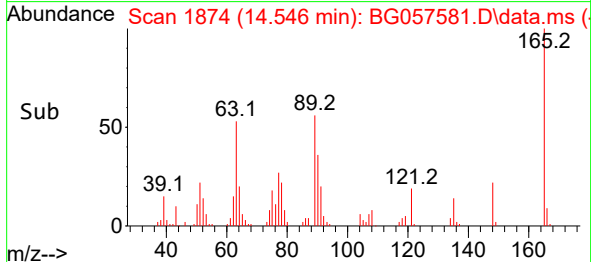
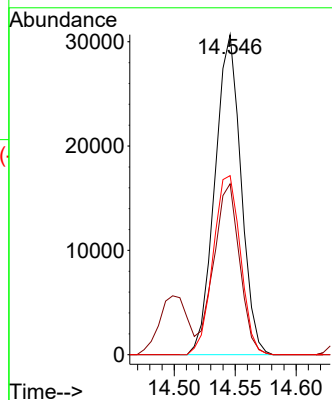
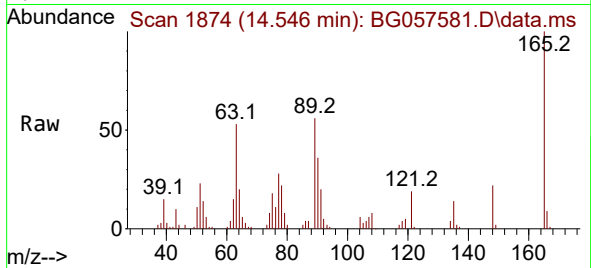
#51  
2,6-Dinitrotoluene  
Concen: 48.170 ng  
RT: 14.546 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS

Tgt Ion:165 Resp: 4562  
Ion Ratio Lower Upper  
165 100  
63 53.4 50.9 76.3  
89 55.9 55.2 82.8

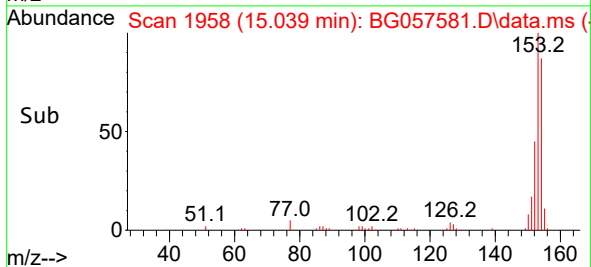
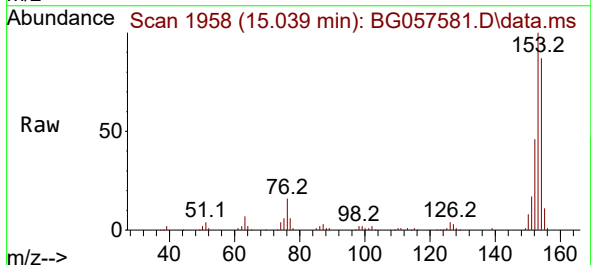
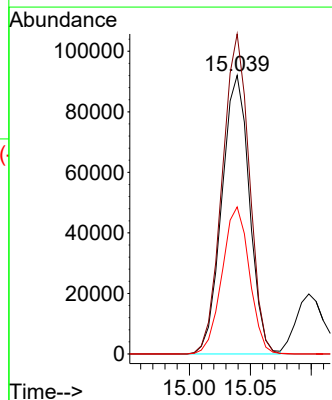
Manual Integrations  
APPROVED

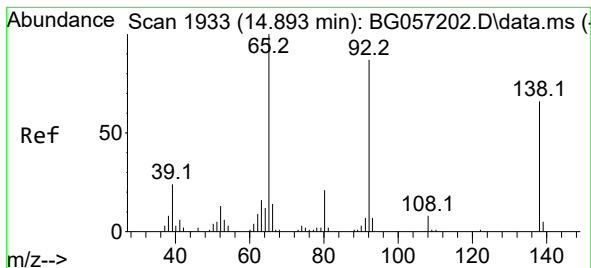
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#52  
Acenaphthene  
Concen: 45.786 ng  
RT: 15.039 min Scan# 1958  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:154 Resp: 144794  
Ion Ratio Lower Upper  
154 100  
153 114.9 89.3 133.9  
152 52.8 41.7 62.5





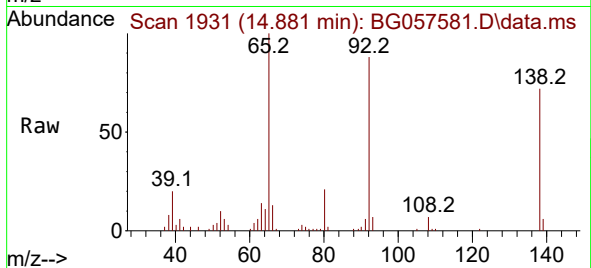
#53  
3-Nitroaniline  
Concen: 37.101 ng  
RT: 14.881 min Scan# 1931  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

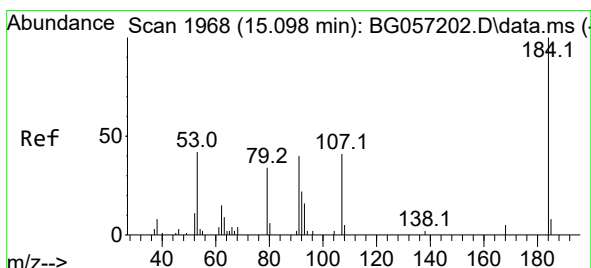
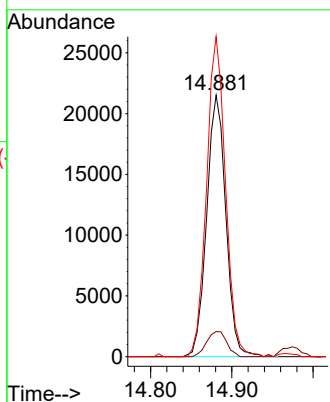
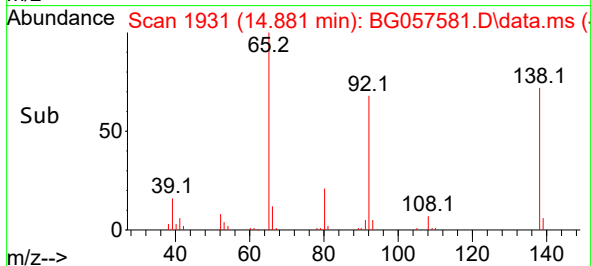


Tgt Ion:138 Resp: 3520  
Ion Ratio Lower Upper  
138 100  
108 9.6 9.5 14.3  
92 122.4 106.2 159.4

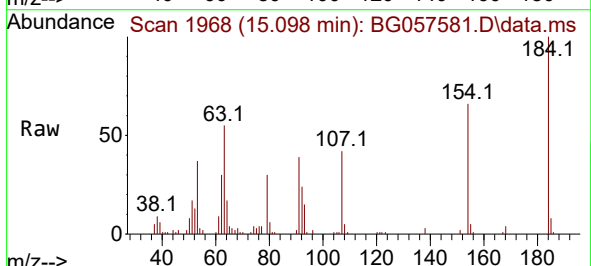
Manual Integrations

APPROVED

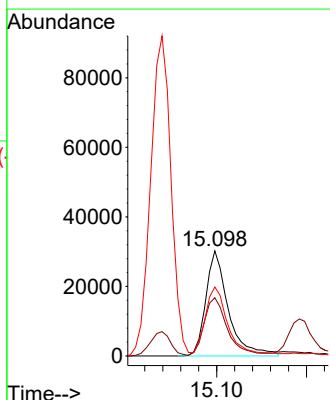
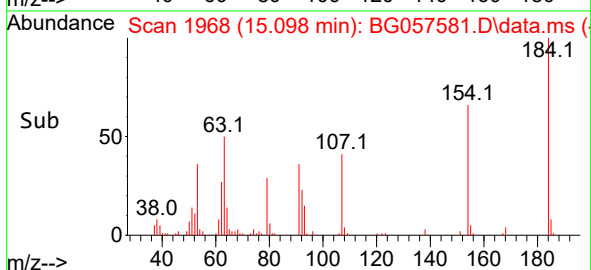
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

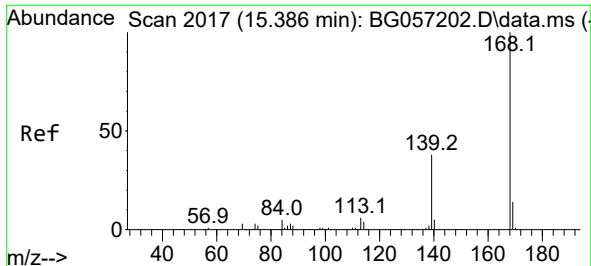


#54  
2,4-Dinitrophenol  
Concen: 89.066 ng  
RT: 15.098 min Scan# 1968  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:184 Resp: 52592  
Ion Ratio Lower Upper  
184 100  
63 55.4 48.2 72.4  
154 65.5 55.4 83.2





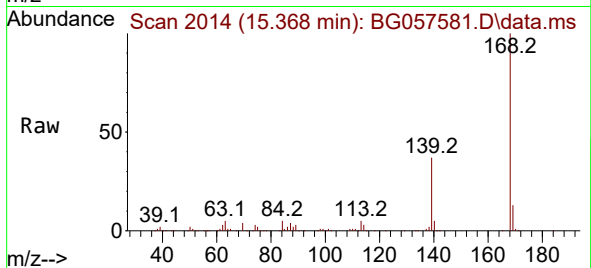
#55  
Dibenzenofuran  
Concen: 45.863 ng  
RT: 15.368 min Scan# 2017  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

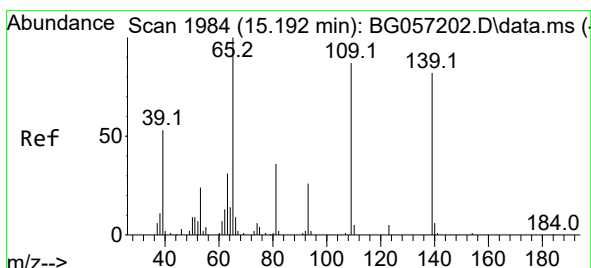
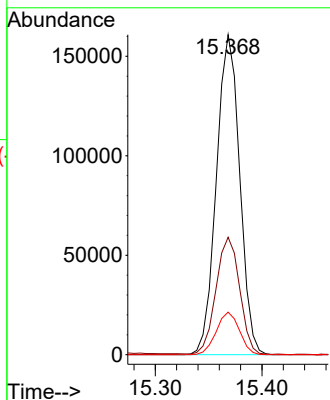
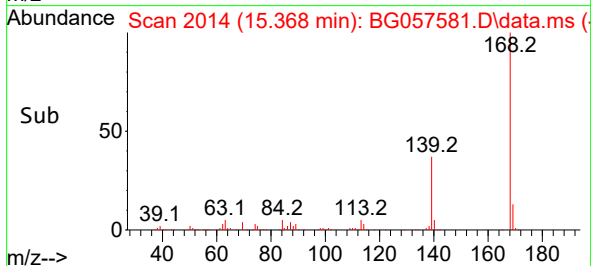


Tgt Ion:168 Resp: 24368  
Ion Ratio Lower Upper  
168 100  
139 36.7 30.7 46.1  
169 13.3 10.9 16.3

Manual Integrations

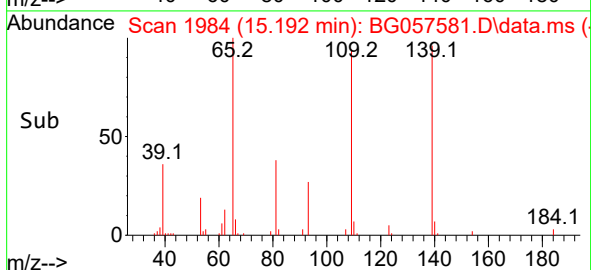
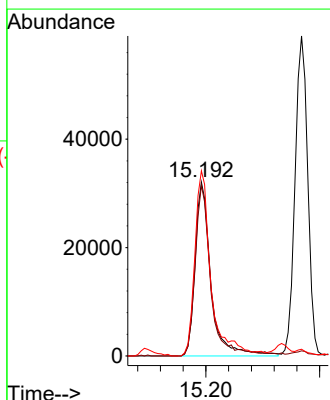
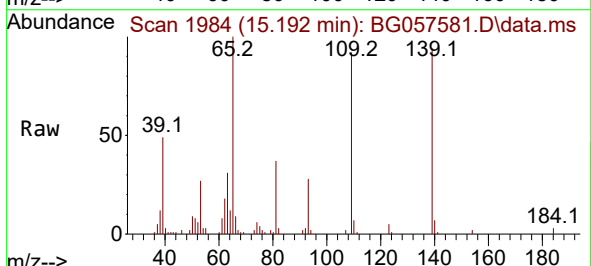
APPROVED

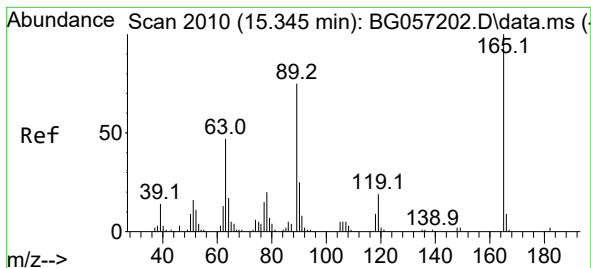
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#56  
4-Nitrophenol  
Concen: 99.091 ng  
RT: 15.192 min Scan# 1984  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:139 Resp: 62537  
Ion Ratio Lower Upper  
139 100  
109 98.1 86.6 126.6  
65 106.4 102.6 142.6





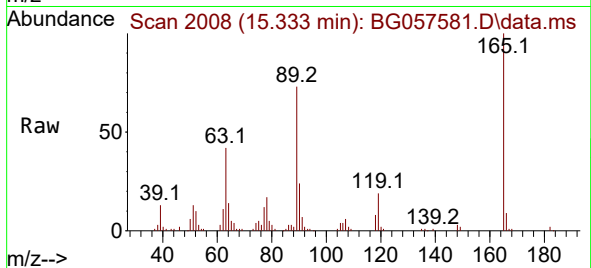
#57  
2,4-Dinitrotoluene  
Concen: 49.384 ng  
RT: 15.333 min Scan# 2010  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

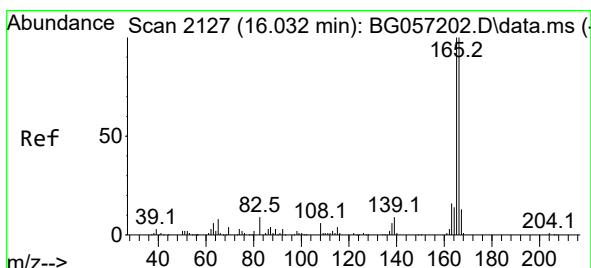
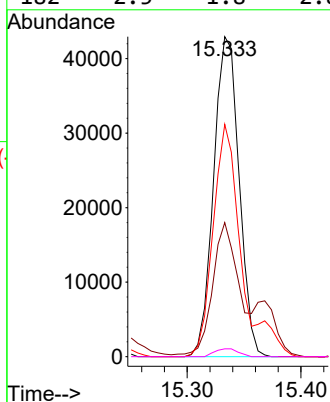
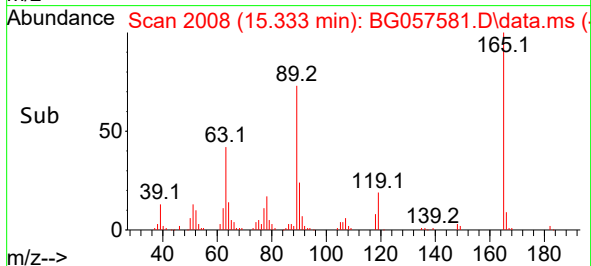


Tgt Ion:165 Resp: 66850  
Ion Ratio Lower Upper  
165 100  
63 41.9 37.5 56.3  
89 72.6 60.2 90.4  
182 2.5 1.8 2.8

Manual Integrations

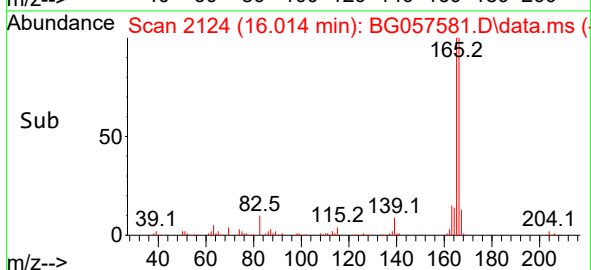
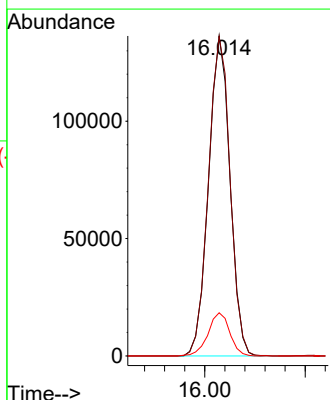
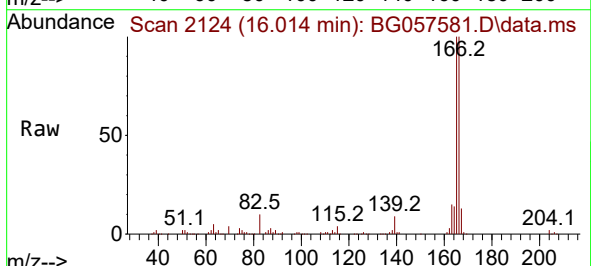
APPROVED

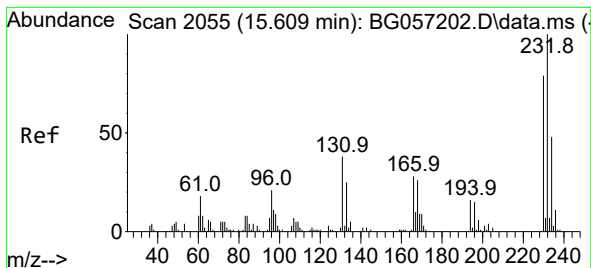
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#58  
Fluorene  
Concen: 46.167 ng  
RT: 16.014 min Scan# 2124  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:166 Resp: 202057  
Ion Ratio Lower Upper  
166 100  
165 99.8 80.1 120.1  
167 13.5 10.2 15.2





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.593 ng  
RT: 15.597 min Scan# 2053  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

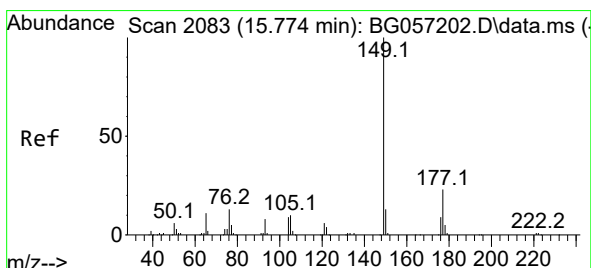
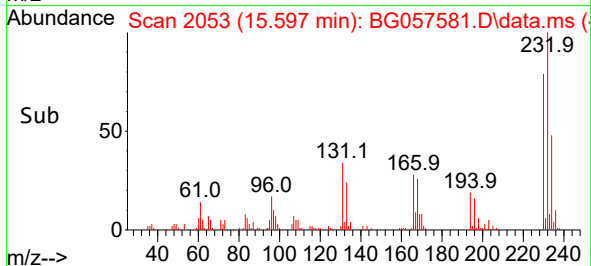
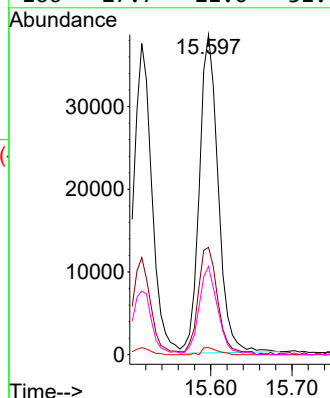
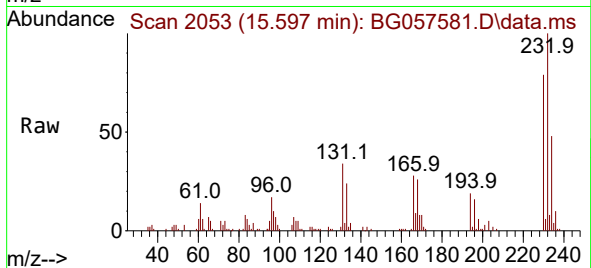
PB152987BS

Tgt Ion:232 Resp: 61972  
Ion Ratio Lower Upper  
232 100  
131 35.8 28.6 42.8  
130 1.9 1.6 2.4  
166 27.7 21.0 31.6

Manual Integrations

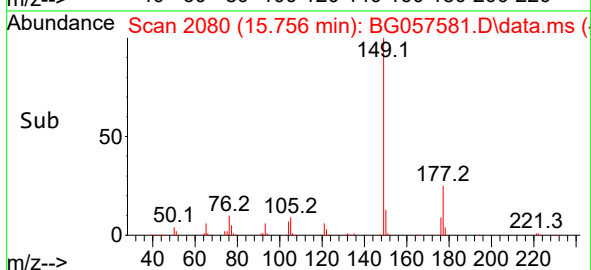
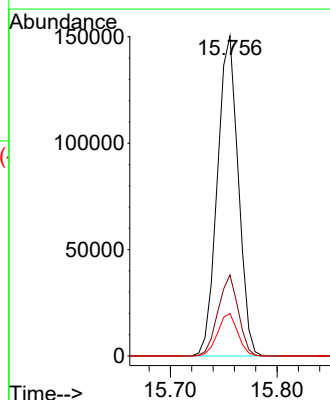
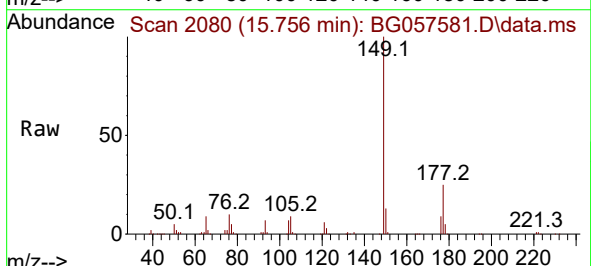
APPROVED

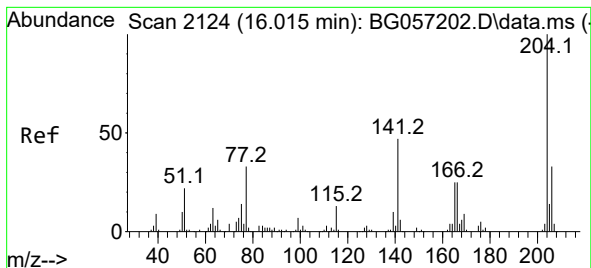
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#60  
Diethylphthalate  
Concen: 43.412 ng  
RT: 15.756 min Scan# 2080  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:149 Resp: 204518  
Ion Ratio Lower Upper  
149 100  
177 25.4 18.3 27.5  
150 13.2 10.1 15.1





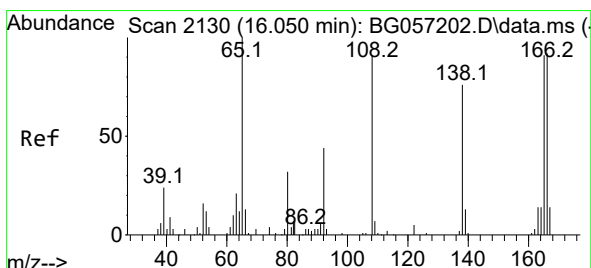
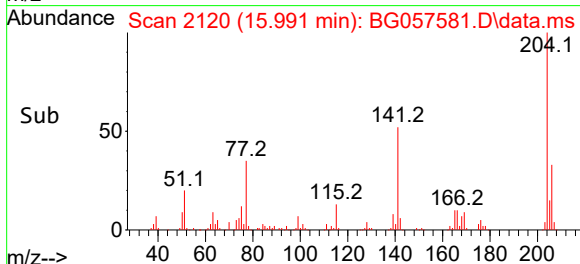
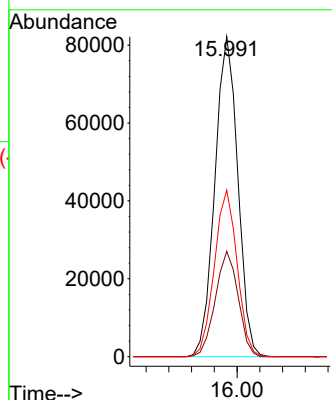
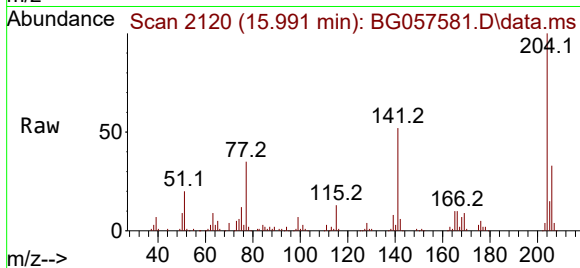
#61  
4-Chlorophenyl-phenylether  
Concen: 43.647 ng  
RT: 15.991 min Scan# 2120  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS

Tgt Ion:204 Resp: 115079  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.5 39.7  
141 52.0 37.4 56.0

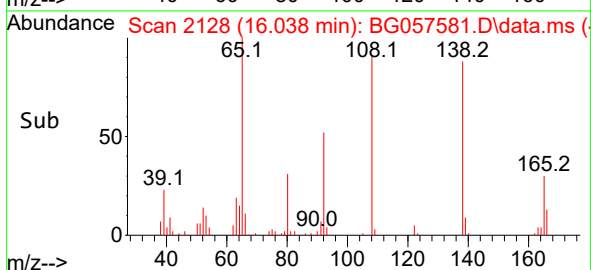
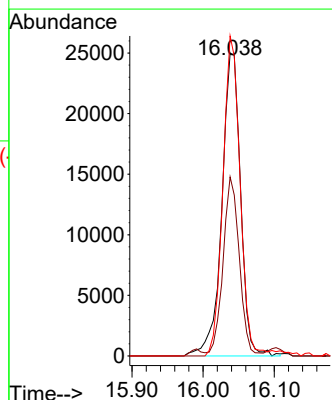
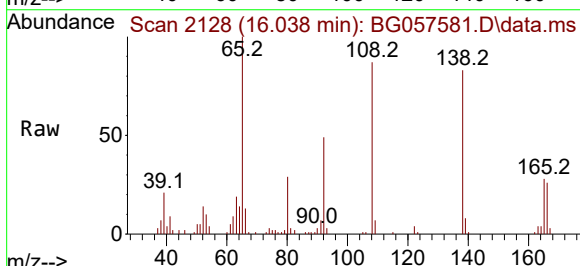
Manual Integrations  
APPROVED

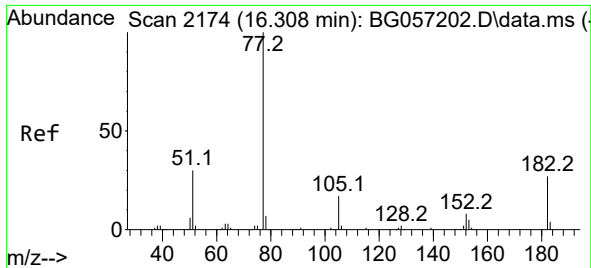
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#62  
4-Nitroaniline  
Concen: 47.762 ng  
RT: 16.038 min Scan# 2128  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:138 Resp: 45721  
Ion Ratio Lower Upper  
138 100  
92 59.1 38.2 78.2  
108 105.7 99.6 139.6





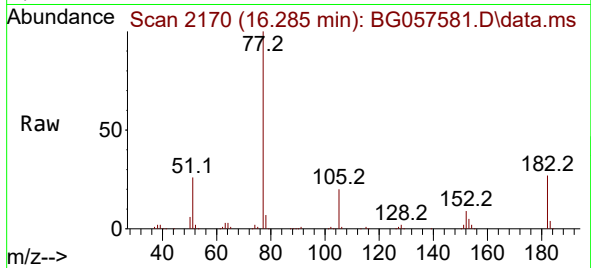
#63  
Azobenzene  
Concen: 41.600 ng  
RT: 16.285 min Scan# 2174  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

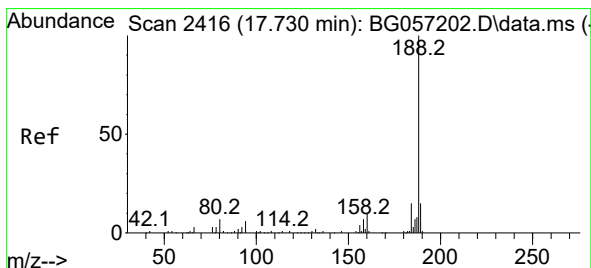
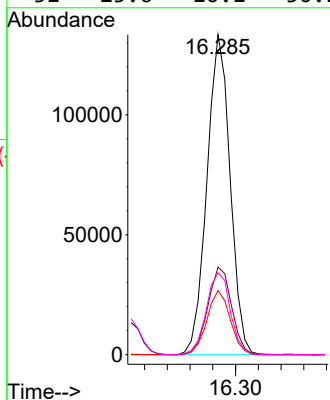
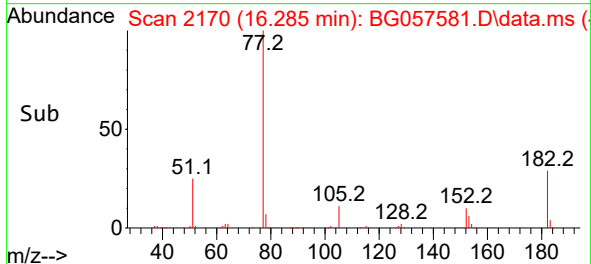


Tgt Ion: 77 Resp: 18909  
Ion Ratio Lower Upper  
77 100  
182 27.4 7.4 47.4  
105 20.1 0.0 37.2  
51 25.6 10.1 50.1

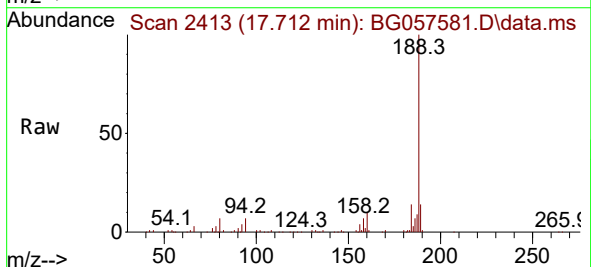
Manual Integrations

APPROVED

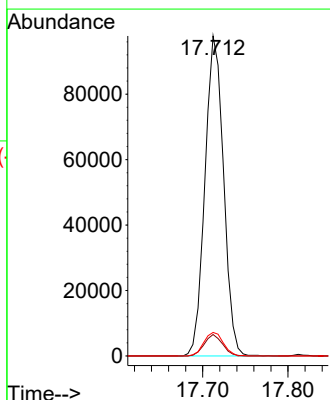
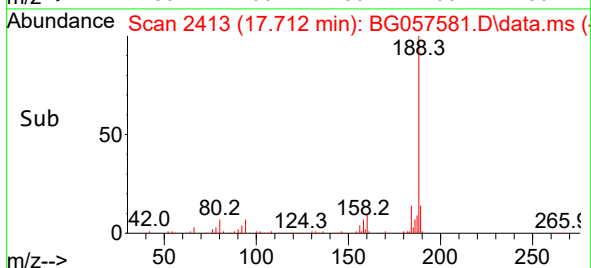
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

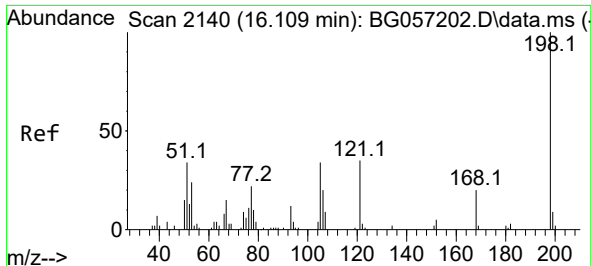


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.712 min Scan# 2413  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:188 Resp: 148082  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.1 7.7  
80 7.4 5.7 8.5





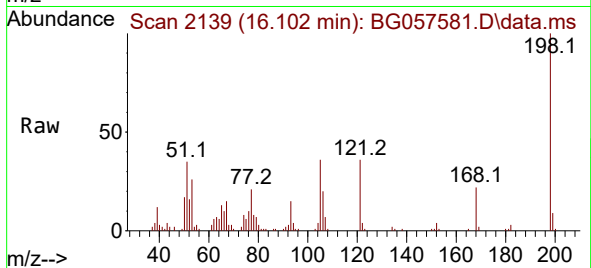
#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.156 ng  
RT: 16.102 min Scan# 2140  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

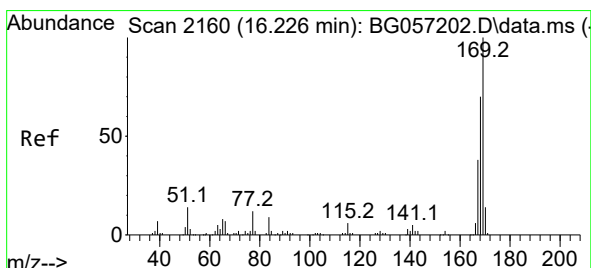
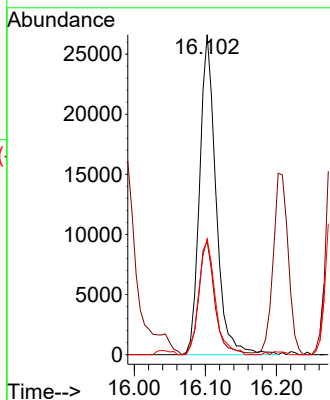
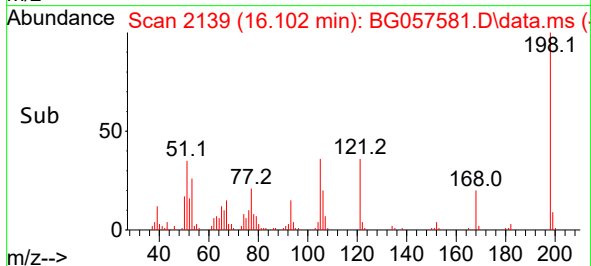


Tgt Ion:198 Resp: 4257  
Ion Ratio Lower Upper  
198 100  
51 35.4 16.1 56.1  
105 36.2 14.0 54.0

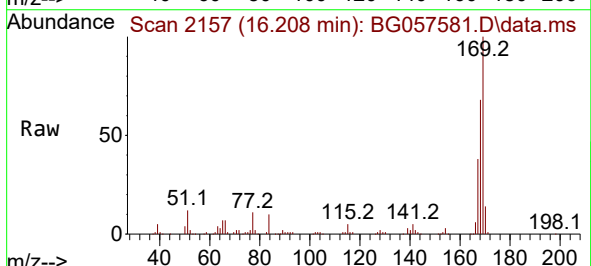
Manual Integrations

APPROVED

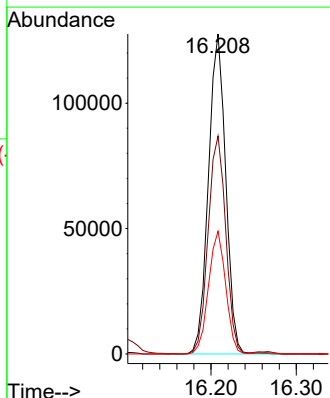
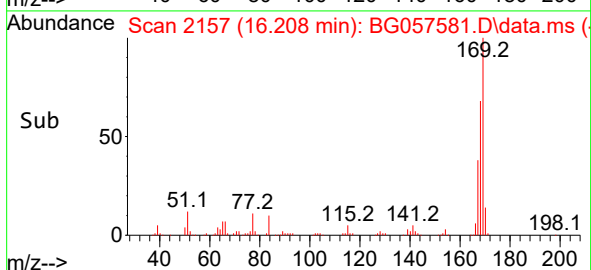
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

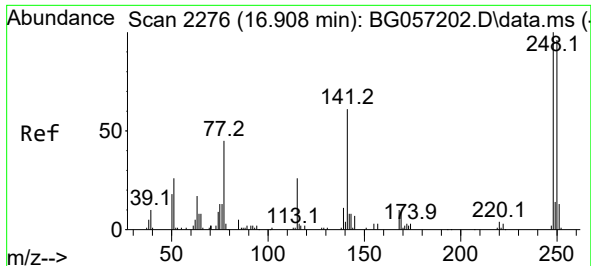


#66  
n-Nitrosodiphenylamine  
Concen: 44.695 ng  
RT: 16.208 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:169 Resp: 179760  
Ion Ratio Lower Upper  
169 100  
168 68.1 56.2 84.4  
167 38.3 30.2 45.4





#67  
4-Bromophenyl-phenylether  
Concen: 43.637 ng  
RT: 16.884 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

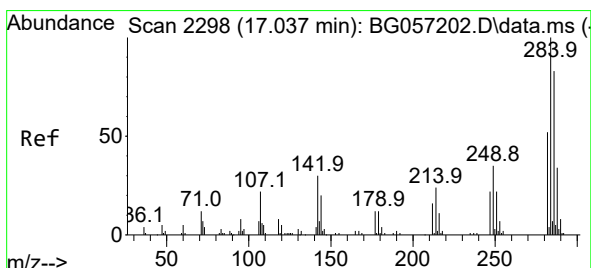
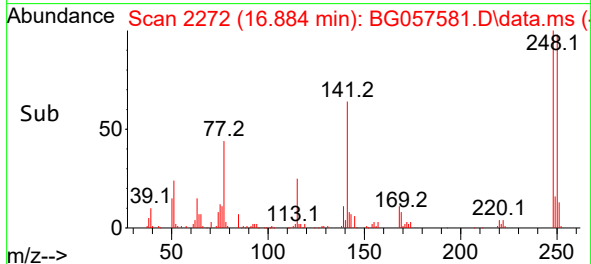
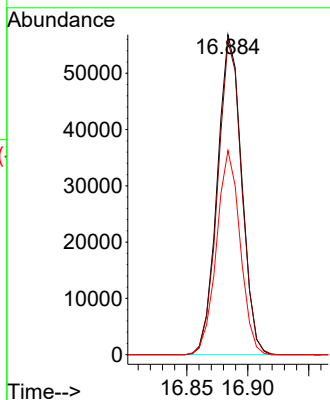
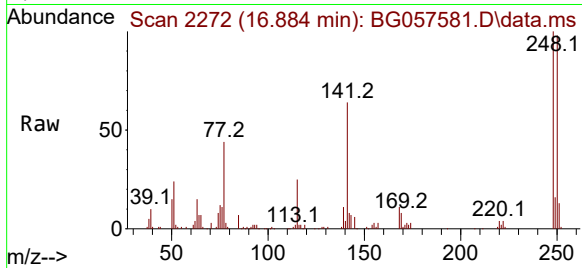
ClientSampleId :

PB152987BS

Tgt Ion:248 Resp: 7888  
Ion Ratio Lower Upper  
248 100  
250 98.1 77.0 115.6  
141 63.8 48.6 72.8

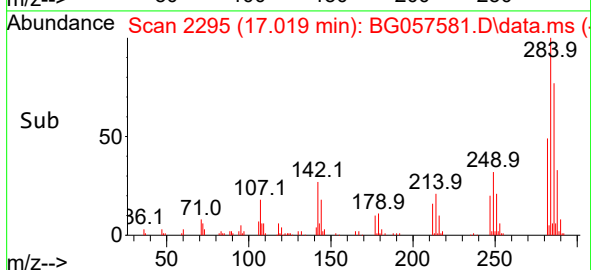
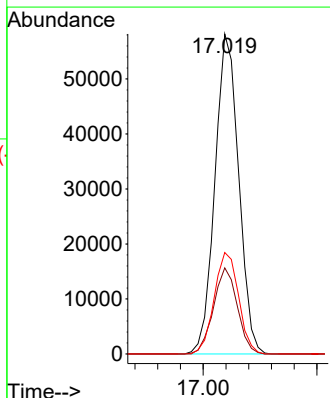
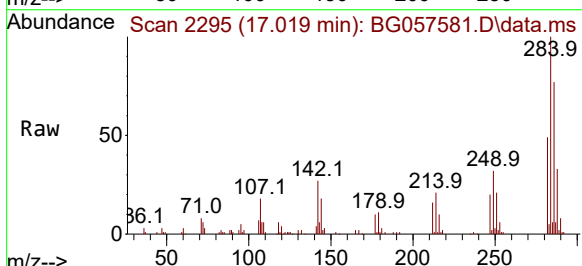
Manual Integrations  
APPROVED

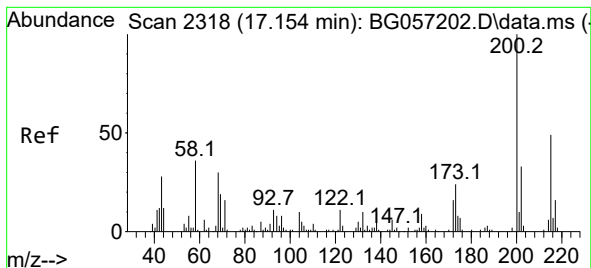
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#68  
Hexachlorobenzene  
Concen: 47.982 ng  
RT: 17.019 min Scan# 2295  
Delta R.T. -0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Tgt Ion:284 Resp: 84289  
Ion Ratio Lower Upper  
284 100  
142 26.9 23.9 35.9  
249 31.7 27.7 41.5





#69

Atrazine

Concen: 52.789 ng

RT: 17.142 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

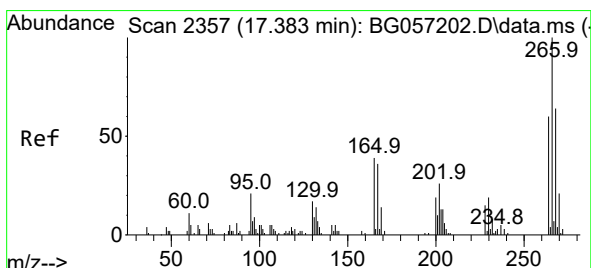
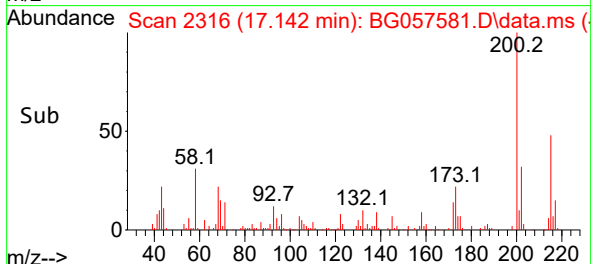
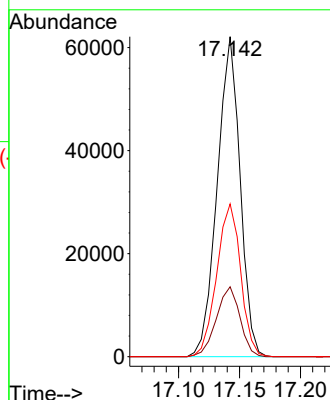
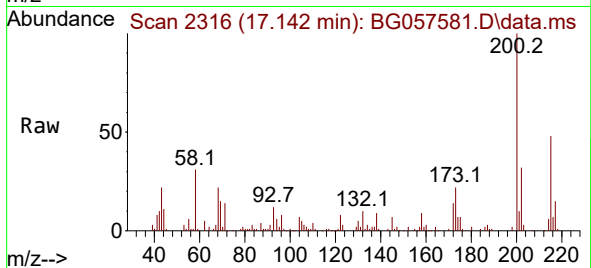
PB152987BS

Tgt Ion:200 Resp: 8099  
 Ion Ratio Lower Upper  
 200 100  
 173 21.8 4.3 44.3  
 215 47.8 29.3 69.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023  
 Supervised By :Jagrut Upadhyay 05/31/2023



#70

Pentachlorophenol

Concen: 77.547 ng

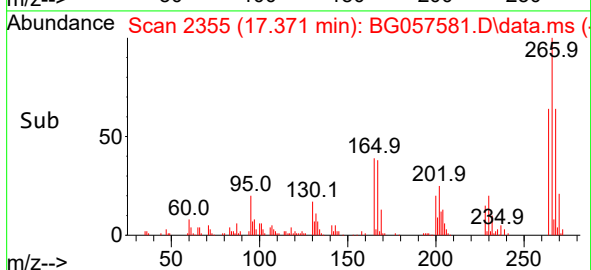
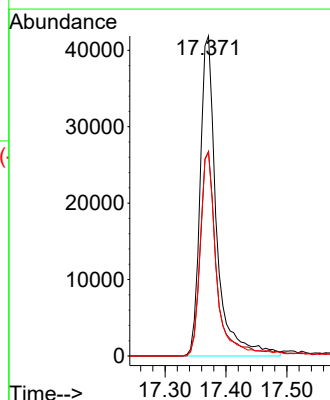
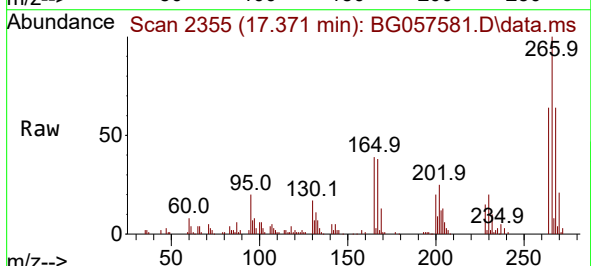
RT: 17.371 min Scan# 2355

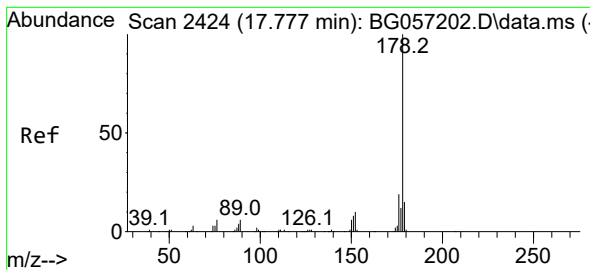
Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Tgt Ion:266 Resp: 78509  
 Ion Ratio Lower Upper  
 266 100  
 268 64.0 51.0 76.6  
 264 63.6 47.8 71.6





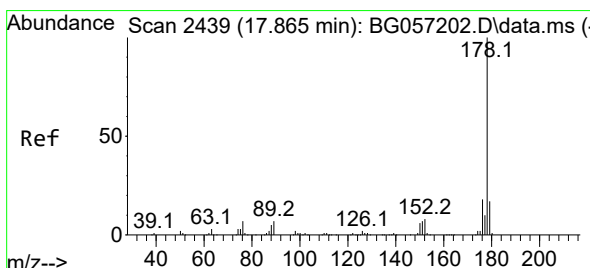
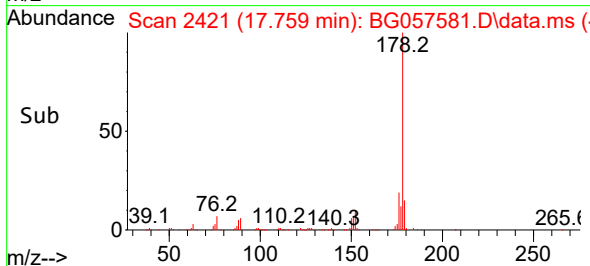
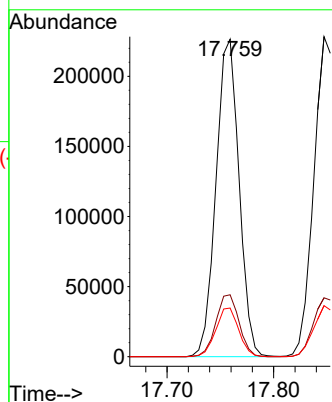
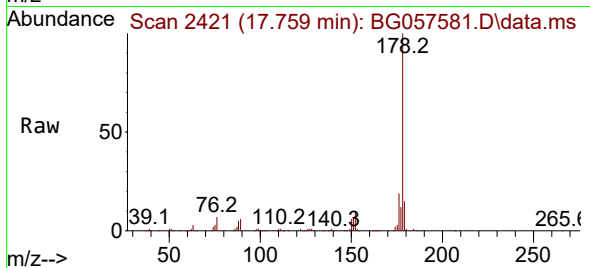
#71  
Phenanthrene  
Concen: 44.718 ng  
RT: 17.759 min Scan# 2424  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS

Tgt Ion:178 Resp: 33932  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.2  
179 15.3 12.3 18.5

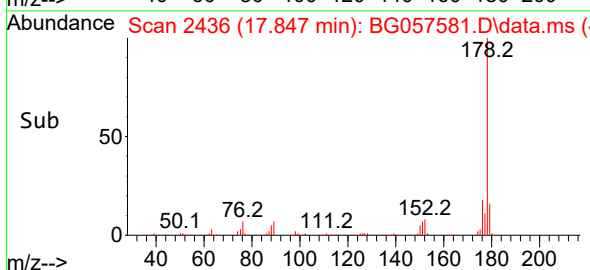
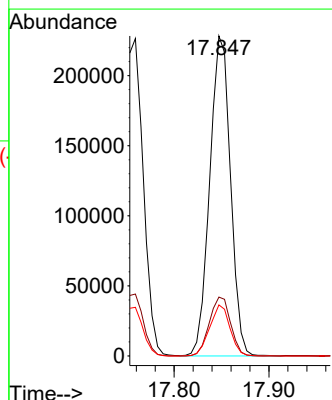
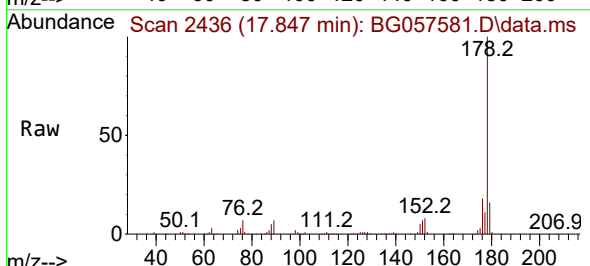
Manual Integrations  
APPROVED

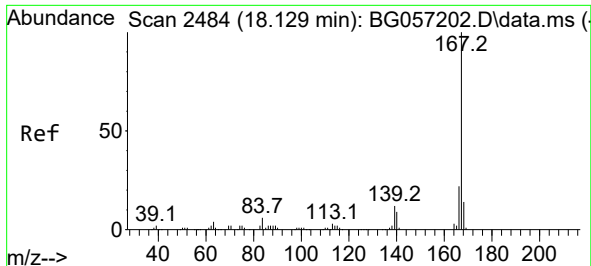
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#72  
Anthracene  
Concen: 44.660 ng  
RT: 17.847 min Scan# 2436  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

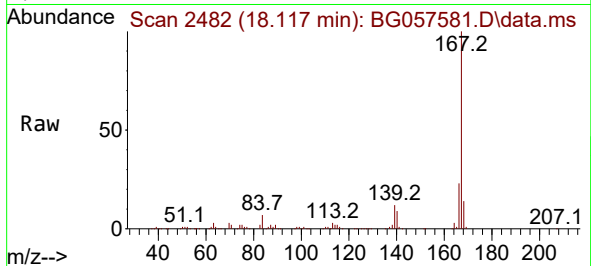
Tgt Ion:178 Resp: 347717  
Ion Ratio Lower Upper  
178 100  
176 18.4 14.7 22.1  
179 16.0 13.2 19.8





#73  
Carbazole  
Concen: 46.959 ng  
RT: 18.117 min Scan# 2482  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

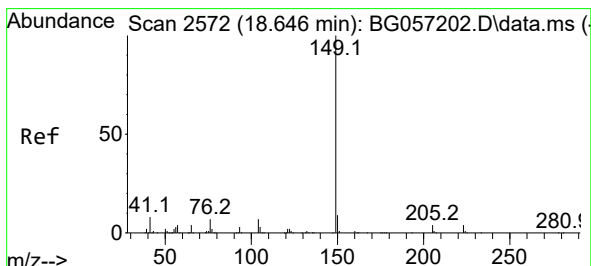
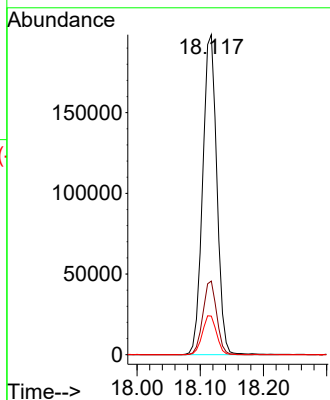
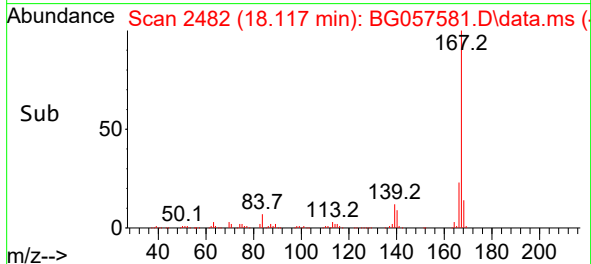
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



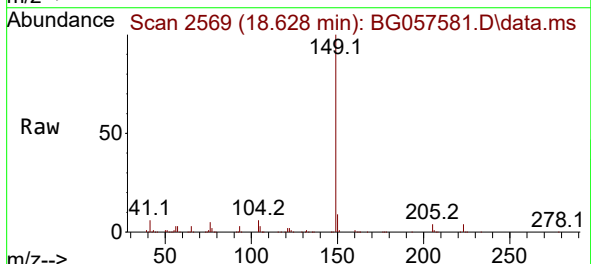
Tgt Ion:167 Resp: 307805  
Ion Ratio Lower Upper  
167 100  
166 23.0 17.4 26.0  
139 12.1 9.6 14.4

Manual Integrations  
APPROVED

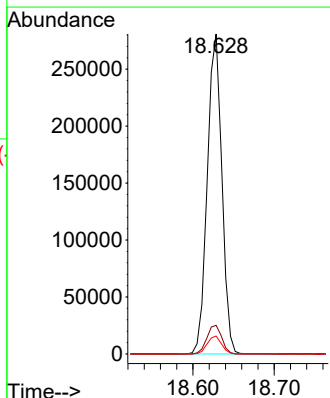
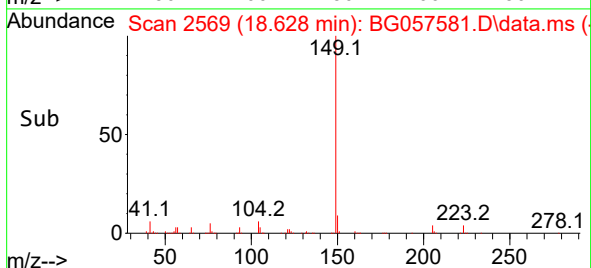
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

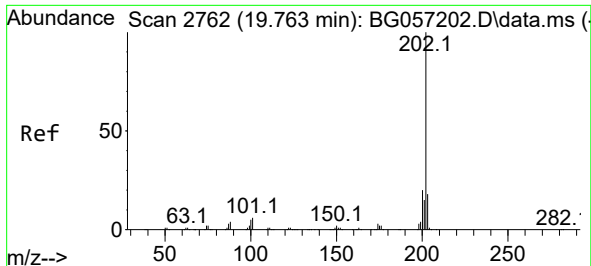


#74  
Di-n-butylphthalate  
Concen: 46.194 ng  
RT: 18.628 min Scan# 2569  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



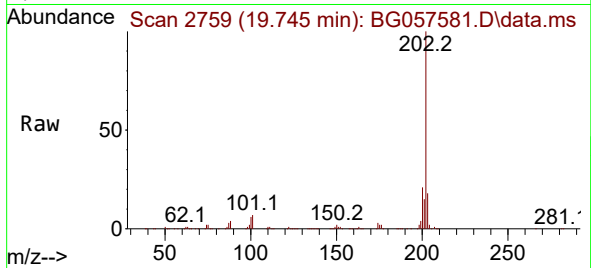
Tgt Ion:149 Resp: 348376  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.3 10.9  
104 5.6 5.4 8.2





#75  
Fluoranthene  
Concen: 43.621 ng  
RT: 19.745 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

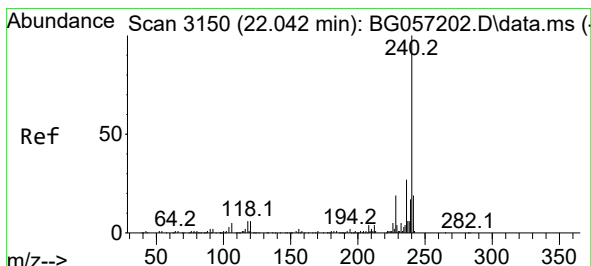
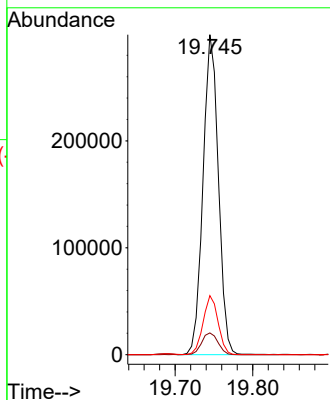
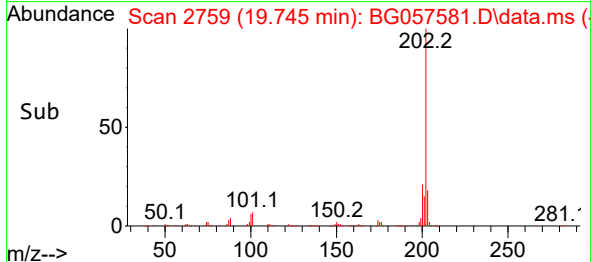
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



Tgt Ion:202 Resp: 411670  
Ion Ratio Lower Upper  
202 100  
101 6.8 0.0 26.2  
203 18.5 0.0 37.9

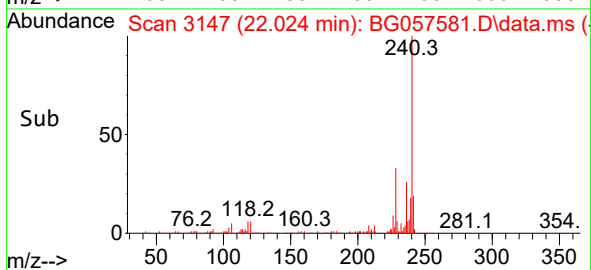
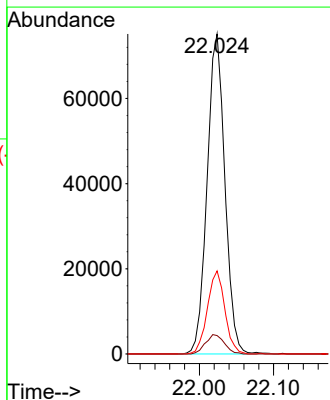
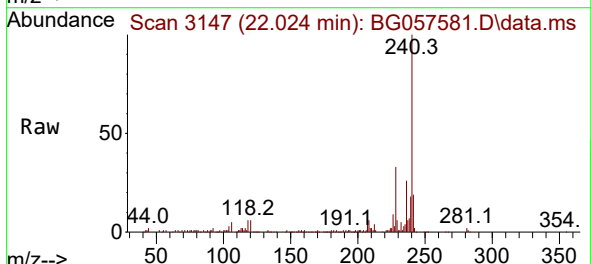
Manual Integrations  
APPROVED

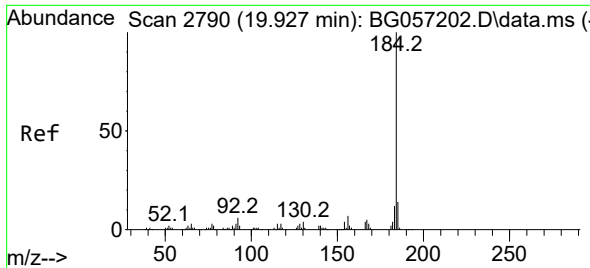
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.024 min Scan# 3147  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

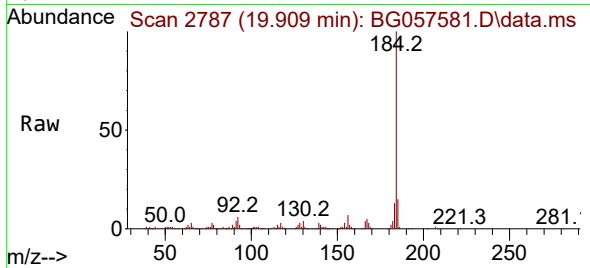
Tgt Ion:240 Resp: 125018  
Ion Ratio Lower Upper  
240 100  
120 5.7 4.9 7.3  
236 26.0 21.4 32.2





#77  
Benzidine  
Concen: 78.625 ng  
RT: 19.909 min Scan# 219754  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

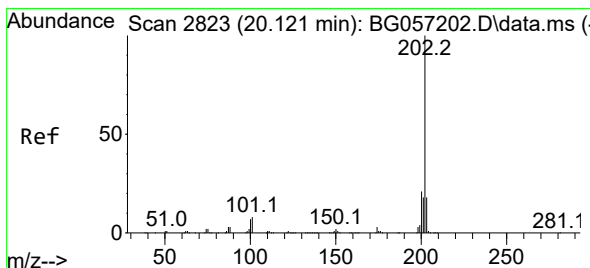
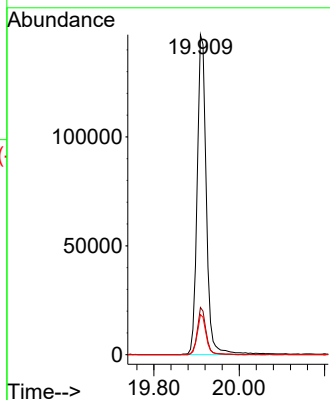
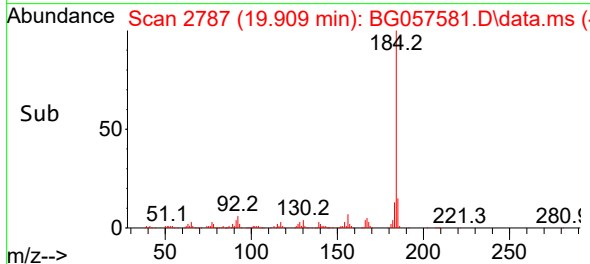
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



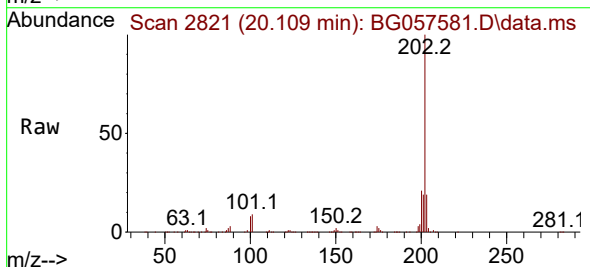
Tgt Ion:184 Resp: 219754  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.1 16.7  
183 12.5 9.9 14.9

Manual Integrations  
APPROVED

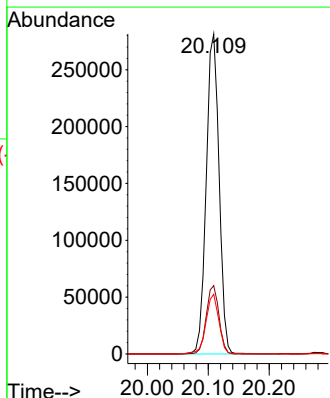
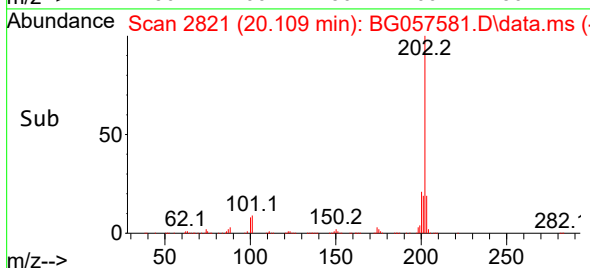
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

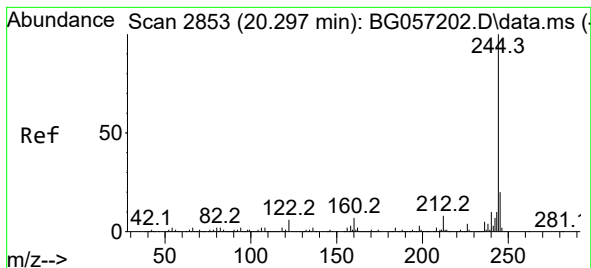


#78  
Pyrene  
Concen: 45.409 ng  
RT: 20.109 min Scan# 2821  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:202 Resp: 412525  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.0 25.4  
203 18.6 14.2 21.4





#79

Terphenyl-d14

Concen: 68.202 ng

RT: 20.279 min Scan# 2

Delta R.T. 0.003 min

Lab File: BG057581.D

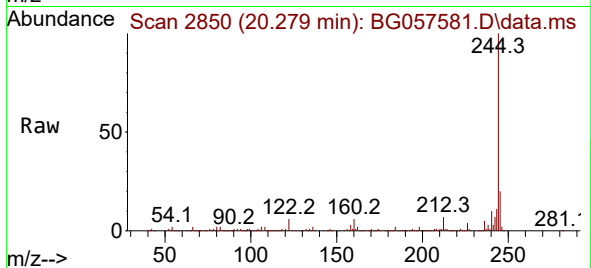
Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS



Tgt Ion:244 Resp: 522479

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

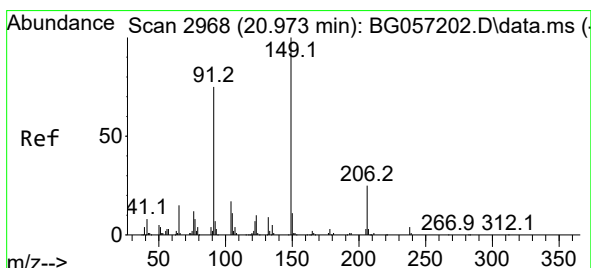
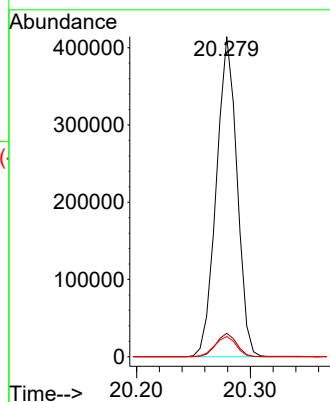
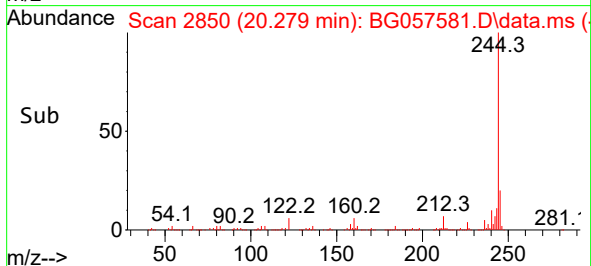
122 6.3 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#80

Butylbenzylphthalate

Concen: 50.550 ng

RT: 20.955 min Scan# 2965

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

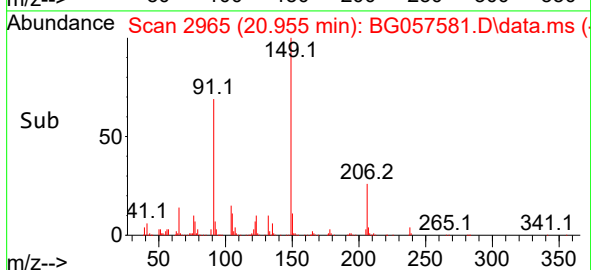
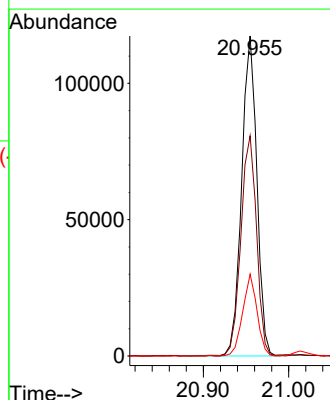
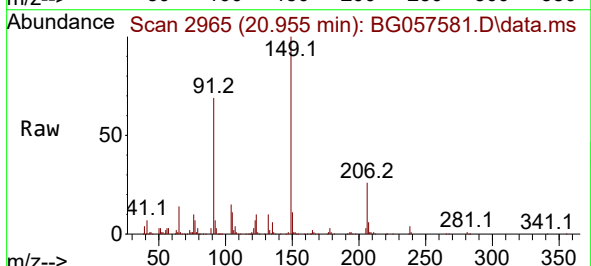
Tgt Ion:149 Resp: 145710

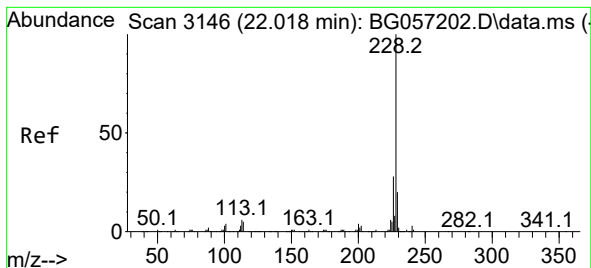
Ion Ratio Lower Upper

149 100

91 68.8 59.7 89.5

206 25.5 19.7 29.5





#81

Benzo(a)anthracene

Concen: 44.134 ng

RT: 22.000 min Scan# 3146

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

Tgt Ion:228 Resp: 39310

Ion Ratio Lower Upper

228 100

226 28.1 22.0 33.0

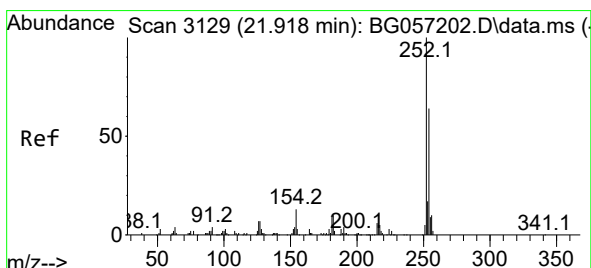
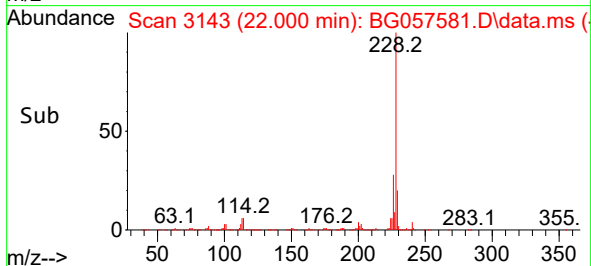
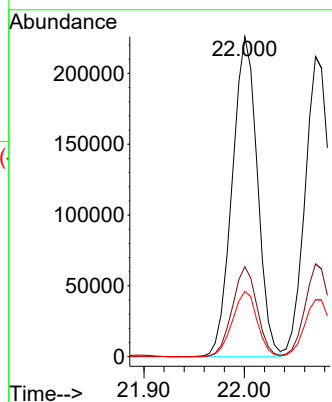
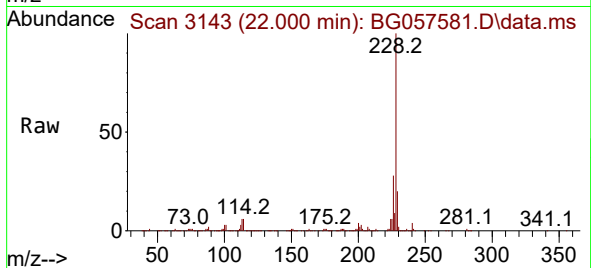
229 20.4 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#82

3,3'-Dichlorobenzidine

Concen: 35.927 ng

RT: 21.895 min Scan# 3125

Delta R.T. -0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

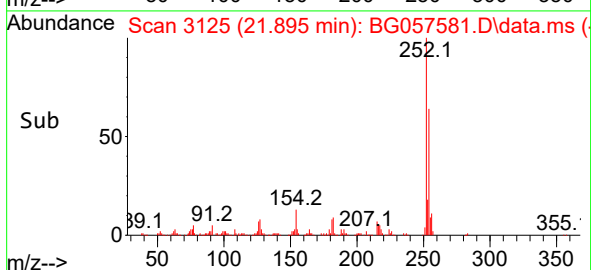
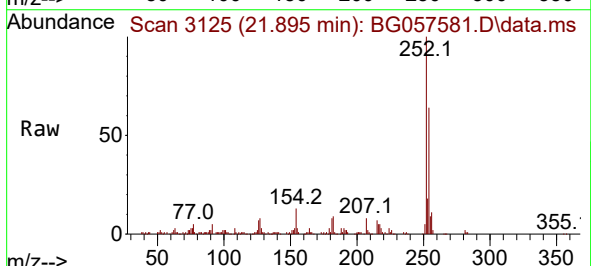
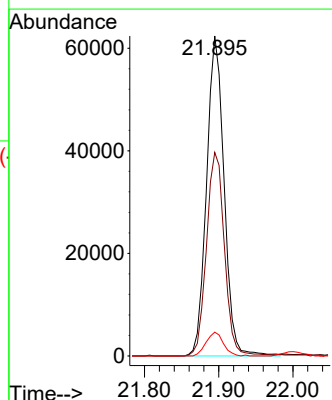
Tgt Ion:252 Resp: 102499

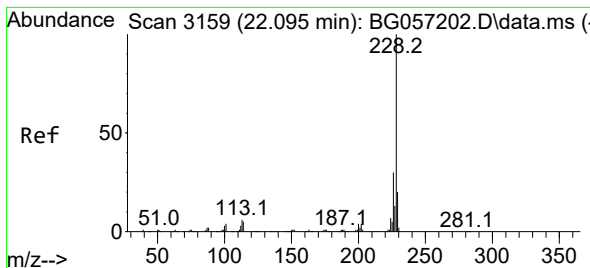
Ion Ratio Lower Upper

252 100

254 63.6 51.4 77.0

126 7.4 5.9 8.9





#83

Chrysene

Concen: 42.794 ng

RT: 22.071 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

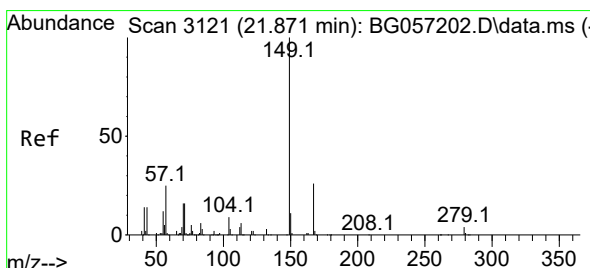
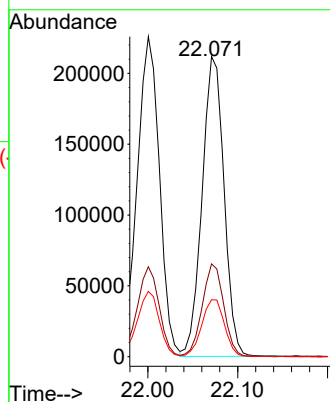
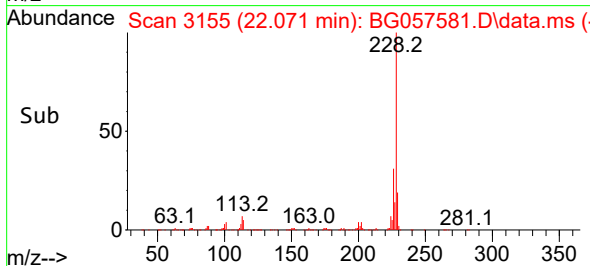
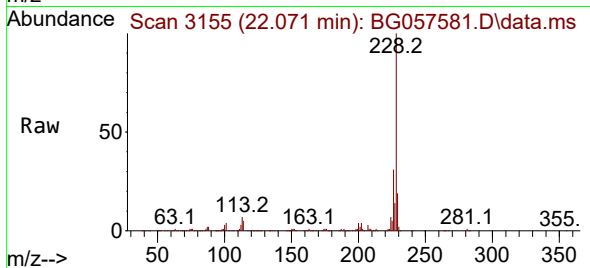
PB152987BS

Tgt Ion:228 Resp: 358639  
 Ion Ratio Lower Upper  
 228 100  
 226 30.9 24.3 36.5  
 229 19.0 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023  
 Supervised By :Jagrut Upadhyay 05/31/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.368 ng

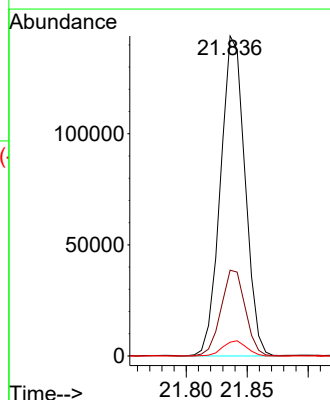
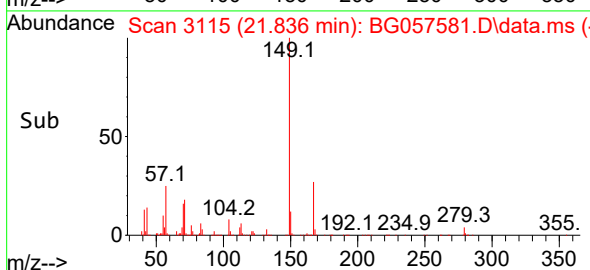
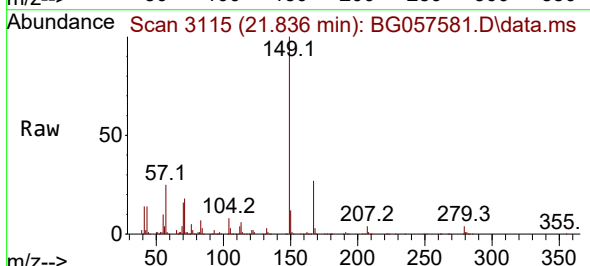
RT: 21.836 min Scan# 3115

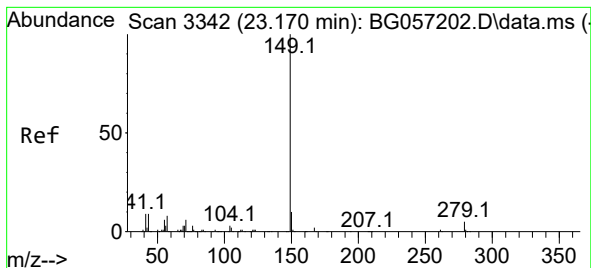
Delta R.T. -0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Tgt Ion:149 Resp: 202014  
 Ion Ratio Lower Upper  
 149 100  
 167 26.8 21.2 31.8  
 279 4.3 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 47.255 ng

RT: 23.128 min Scan# 3335

Delta R.T. -0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

Tgt Ion:149 Resp: 335978

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

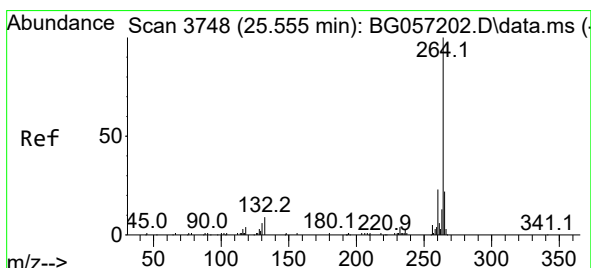
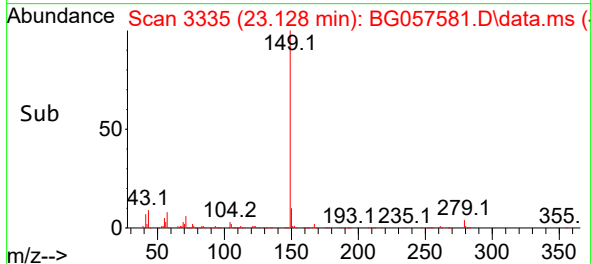
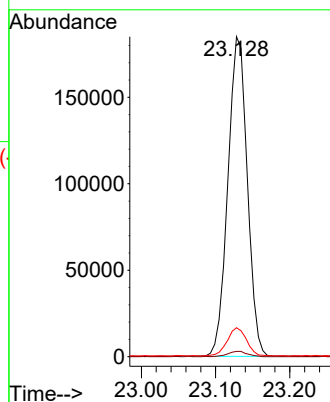
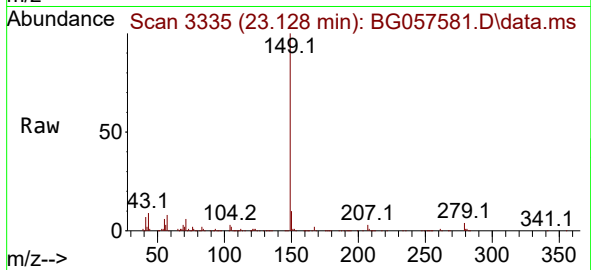
43 9.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.525 min Scan# 3743

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

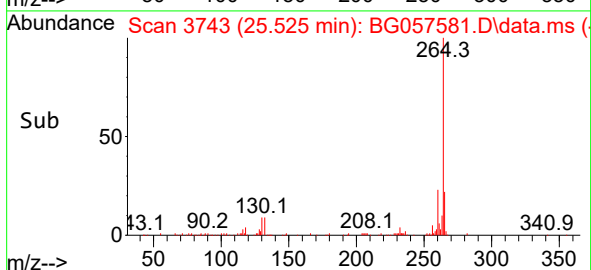
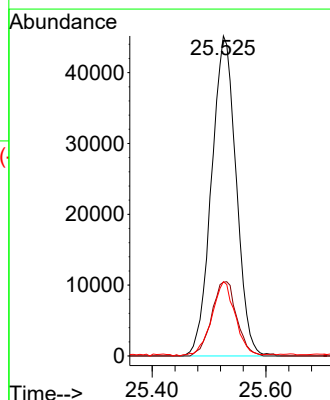
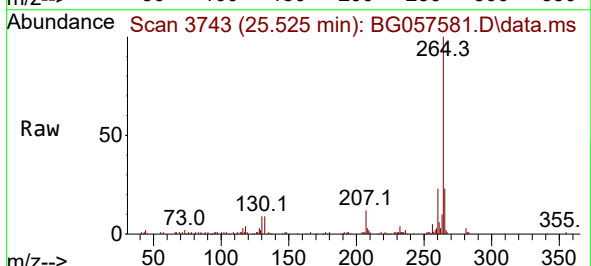
Tgt Ion:264 Resp: 135597

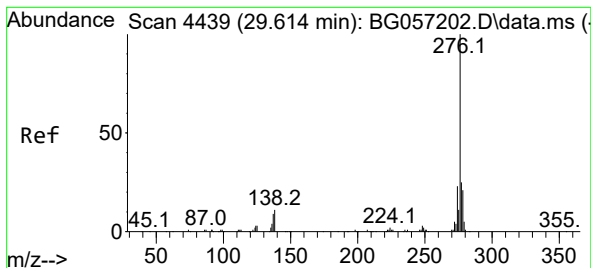
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 23.2 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.613 ng

RT: 29.596 min Scan# 4439

Delta R.T. 0.015 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

Tgt Ion:276 Resp: 44089

Ion Ratio Lower Upper

276 100

138 0.0 5.4 8.0

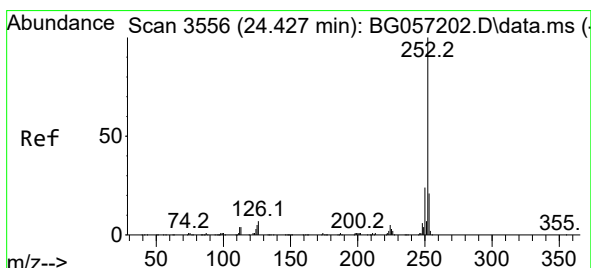
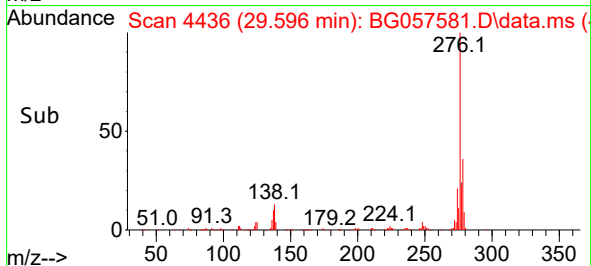
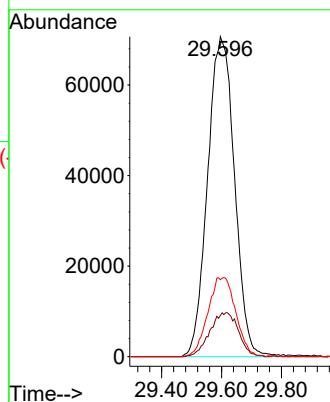
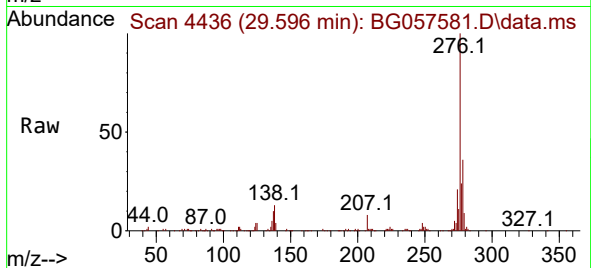
277 12.2 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#88

Benzo(b)fluoranthene

Concen: 43.850 ng

RT: 24.403 min Scan# 3552

Delta R.T. 0.003 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

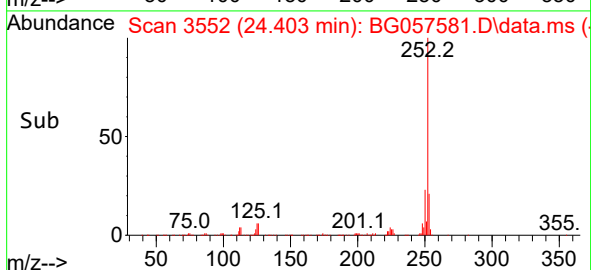
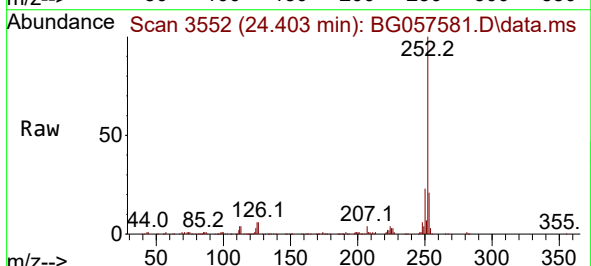
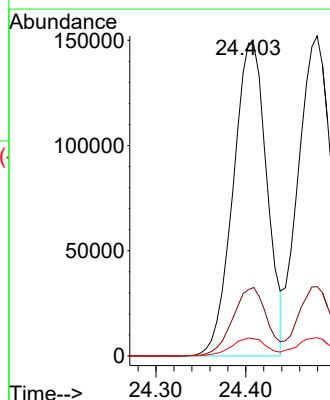
Tgt Ion:252 Resp: 388685

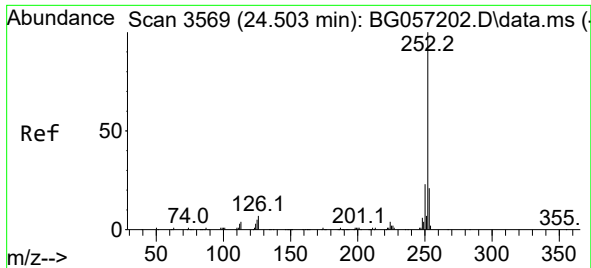
Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

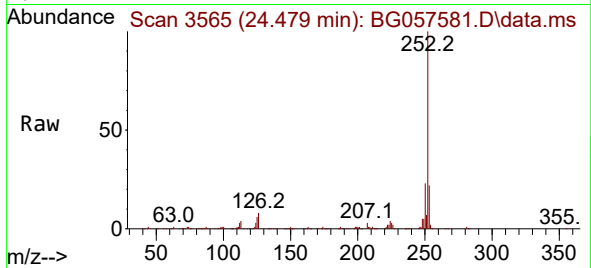
125 5.7 4.2 6.2





#89  
Benzo(k)fluoranthene  
Concen: 43.565 ng  
RT: 24.479 min Scan# 31  
Delta R.T. 0.009 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50

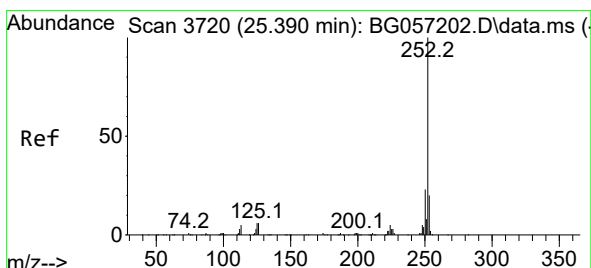
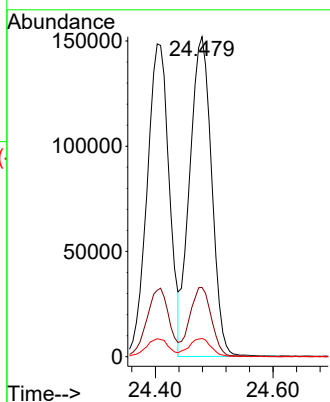
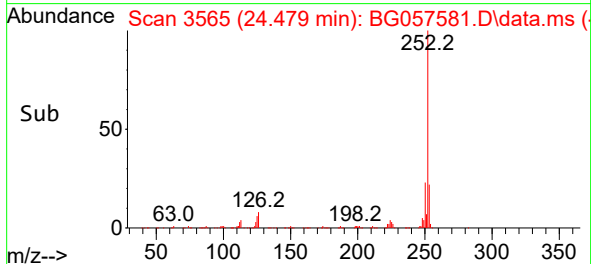
Instrument :  
BNA\_G  
ClientSampleId :  
PB152987BS



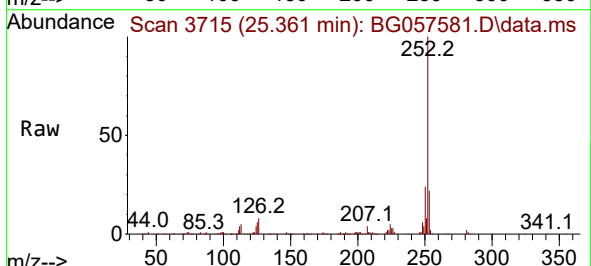
Tgt Ion:252 Resp: 392400  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.0  
125 5.7 4.1 6.1

Manual Integrations  
APPROVED

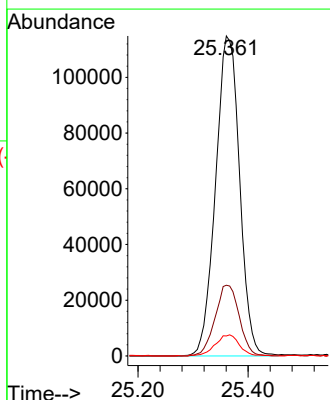
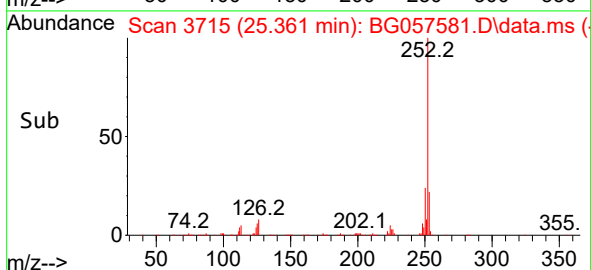
Reviewed By :Christian Giraldo 05/30/2023  
Supervised By :Jagrut Upadhyay 05/31/2023

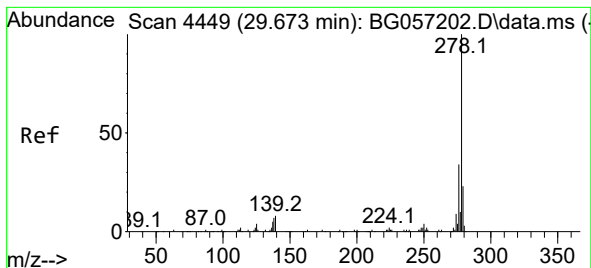


#90  
Benzo(a)pyrene  
Concen: 40.131 ng  
RT: 25.361 min Scan# 3715  
Delta R.T. 0.003 min  
Lab File: BG057581.D  
Acq: 26 May 2023 11:50



Tgt Ion:252 Resp: 347525  
Ion Ratio Lower Upper  
252 100  
253 22.1 16.3 24.5  
125 6.3 5.0 7.4





#91

Dibenzo(a,h)anthracene

Concen: 45.000 ng

RT: 29.643 min Scan# 4444

Delta R.T. 0.009 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Instrument :

BNA\_G

ClientSampleId :

PB152987BS

Tgt Ion:278 Resp: 37035

Ion Ratio Lower Upper

278 100

139 8.5 6.2 9.2

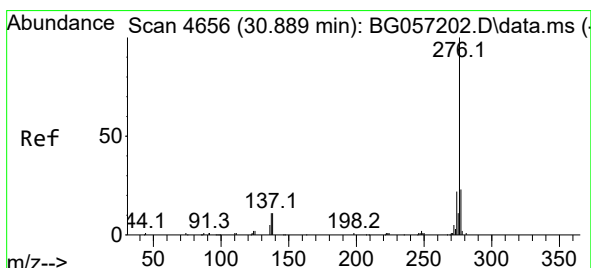
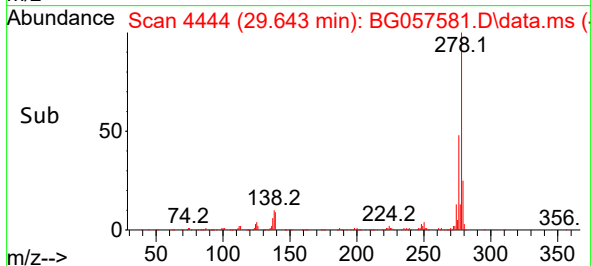
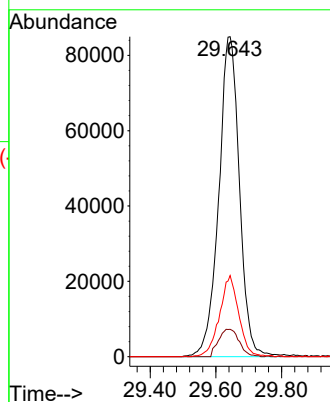
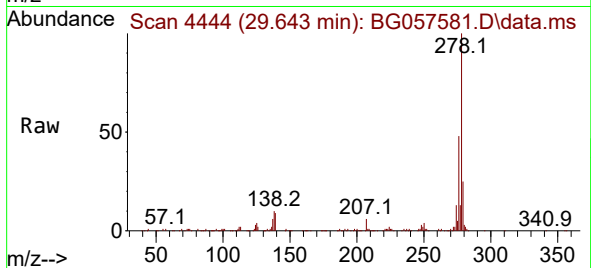
279 25.3 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#92

Benzo(g,h,i)perylene

Concen: 43.937 ng

RT: 30.865 min Scan# 4652

Delta R.T. 0.009 min

Lab File: BG057581.D

Acq: 26 May 2023 11:50

Tgt Ion:276 Resp: 353083

Ion Ratio Lower Upper

276 100

277 23.8 18.4 27.6

138 12.6 9.0 13.4

