

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040623\  
 Data File : BG057010.D  
 Acq On : 6 Apr 2023 13:20  
 Operator : CG/JU  
 Sample : PB151924BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB151924BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/07/2023  
 Supervised By : Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:36:26 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 07 01:33:41 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.411  | 152  | 13903    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.254 | 136  | 58541    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 15.026 | 164  | 48108    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.763 | 188  | 118067   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.087 | 240  | 97191    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.623 | 264  | 101479   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.920  | 112  | 99739    | 114.815 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.548  | 99   | 148226   | 114.087 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.592  | 82   | 93525    | 65.370  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.506 | 330  | 83060    | 108.075 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.651 | 172  | 236988   | 66.799  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.330 | 244  | 417981   | 72.773  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.717  | 88   | 12657    | 33.237  | ng    | 97       |
| 3) Pyridine                   | 4.140  | 79   | 32917    | 26.838  | ng    | 89       |
| 4) n-Nitrosodimethylamine     | 4.046  | 42   | 20306    | 36.009  | ng    | 98       |
| 6) Aniline                    | 7.718  | 93   | 58118    | 34.991  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.971  | 128  | 43102    | 49.814  | ng    | 96       |
| 9) Benzaldehyde               | 7.530  | 77   | 30041    | 36.864  | ng    | 93       |
| 10) Phenol                    | 7.571  | 94   | 61742    | 47.959  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.812  | 93   | 37328    | 40.705  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 8.300  | 146  | 43356    | 45.348  | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 8.446  | 146  | 43594    | 45.178  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.769  | 146  | 41938    | 44.986  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.640  | 79   | 48935    | 45.329  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.934  | 45   | 45155m   | 40.858  | ng    |          |
| 17) 2-Methylphenol            | 8.840  | 107  | 42125    | 45.865  | ng    | 87       |
| 18) Hexachloroethane          | 9.510  | 117  | 15696    | 44.504  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 9.210  | 70   | 38212    | 41.119  | ng    | # 98     |
| 20) 3+4-Methylphenols         | 9.169  | 107  | 58270    | 45.370  | ng    | 95       |
| 22) Acetophenone              | 9.239  | 105  | 71099    | 40.816  | ng    | # 96     |
| 24) Nitrobenzene              | 9.633  | 77   | 59524    | 40.694  | ng    | 99       |
| 25) Isophorone                | 10.156 | 82   | 105463   | 38.710  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.350 | 139  | 25171    | 44.582  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.391 | 122  | 45318    | 45.461  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.626 | 93   | 53851    | 39.481  | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.884 | 162  | 49153    | 45.849  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 11.107 | 180  | 49139    | 43.138  | ng    | 97       |
| 31) Naphthalene               | 11.301 | 128  | 130889   | 41.020  | ng    | 99       |
| 32) Benzoic acid              | 10.532 | 122  | 29070m   | 42.453  | ng    |          |
| 33) 4-Chloroaniline           | 11.401 | 127  | 42717    | 29.641  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.577 | 225  | 35184    | 41.119  | ng    | 94       |
| 35) Caprolactam               | 12.171 | 113  | 15090m   | 40.815  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.488 | 107  | 53153    | 44.334  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.876 | 142  | 101266   | 39.987  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 13.093 | 142  | 95699    | 40.243  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 13.240 | 216  | 68342    | 40.966  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.216 | 237  | 98809    | 107.499 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.469 | 196  | 45366    | 42.614  | ng    | 96       |

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Instrument :  
 BNA\_G  
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Manual Integrations  
 APPROVED

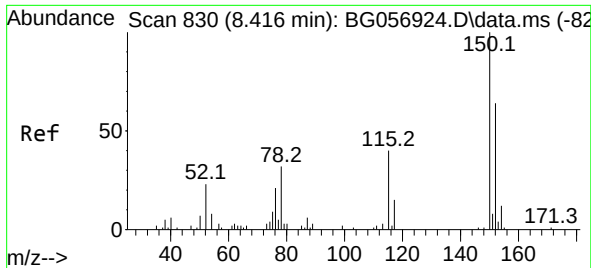
Reviewed By :Christian Giraldo 04/07/2023  
 Supervised By :Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:36:26 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.545 | 196  | 50037    | 39.676 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.863 | 154  | 149641   | 42.492 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.915 | 162  | 112965   | 43.371 | ng    | 96       |
| 48) 2-Nitroaniline            | 14.103 | 65   | 37745    | 40.528 | ng    | 98       |
| 49) Acenaphthylene            | 14.755 | 152  | 181157   | 42.332 | ng    | 99       |
| 50) Dimethylphthalate         | 14.462 | 163  | 154397   | 40.732 | ng    | # 97     |
| 51) 2,6-Dinitrotoluene        | 14.585 | 165  | 34301    | 41.882 | ng    | 95       |
| 52) Acenaphthene              | 15.090 | 154  | 138691m  | 46.992 | ng    |          |
| 53) 3-Nitroaniline            | 14.920 | 138  | 23939    | 29.531 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 15.126 | 184  | 44930    | 97.466 | ng    | 89       |
| 55) Dibenzofuran              | 15.419 | 168  | 184502   | 41.651 | ng    | 98       |
| 56) 4-Nitrophenol             | 15.214 | 139  | 53840    | 89.816 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 15.372 | 165  | 47824    | 41.403 | ng    | # 93     |
| 58) Fluorene                  | 16.065 | 166  | 150276   | 40.997 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.642 | 232  | 48891    | 42.578 | ng    | 99       |
| 60) Diethylphthalate          | 15.807 | 149  | 154356   | 40.620 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 16.042 | 204  | 90083    | 41.857 | ng    | 99       |
| 62) 4-Nitroaniline            | 16.077 | 138  | 33165    | 39.487 | ng    | 93       |
| 63) Azobenzene                | 16.336 | 77   | 151977   | 40.131 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 16.136 | 198  | 32391    | 45.298 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.259 | 169  | 130954   | 41.318 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.941 | 248  | 59728    | 40.885 | ng    | 95       |
| 68) Hexachlorobenzene         | 17.070 | 284  | 64995    | 45.001 | ng    | 98       |
| 69) Atrazine                  | 17.187 | 200  | 58063    | 44.133 | ng    | 97       |
| 70) Pentachlorophenol         | 17.411 | 266  | 76704    | 74.027 | ng    | 98       |
| 71) Phenanthrene              | 17.810 | 178  | 248326   | 41.253 | ng    | 99       |
| 72) Anthracene                | 17.898 | 178  | 252611   | 40.936 | ng    | 99       |
| 73) Carbazole                 | 18.163 | 167  | 222021   | 41.266 | ng    | 94       |
| 74) Di-n-butylphthalate       | 18.680 | 149  | 252124   | 40.468 | ng    | 98       |
| 75) Fluoranthene              | 19.796 | 202  | 291187   | 38.160 | ng    | 98       |
| 77) Benzidine                 | 19.954 | 184  | 146614   | 55.190 | ng    | 99       |
| 78) Pyrene                    | 20.154 | 202  | 288514   | 42.919 | ng    | 97       |
| 80) Butylbenzylphthalate      | 21.012 | 149  | 99852    | 43.165 | ng    | 93       |
| 81) Benzo(a)anthracene        | 22.063 | 228  | 273084   | 40.604 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.957 | 252  | 67650    | 29.787 | ng    | 97       |
| 83) Chrysene                  | 22.134 | 228  | 254150   | 40.359 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.910 | 149  | 139263   | 41.575 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.232 | 149  | 232614   | 41.209 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.712 | 276  | 320270   | 42.704 | ng    | # 55     |
| 88) Benzo(b)fluoranthene      | 24.489 | 252  | 277846   | 43.784 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.566 | 252  | 278289   | 43.928 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.453 | 252  | 245758   | 39.411 | ng    | # 99     |
| 91) Dibenzo(a,h)anthracene    | 29.788 | 278  | 274094   | 44.462 | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 31.010 | 276  | 255378   | 42.306 | ng    | 97       |

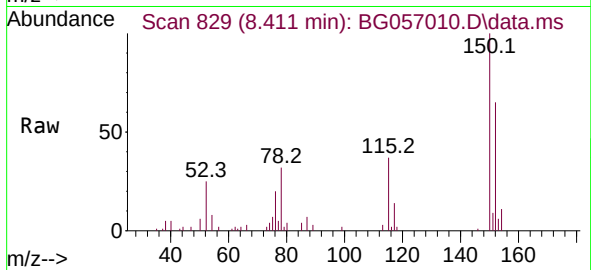
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.411 min Scan# 81  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

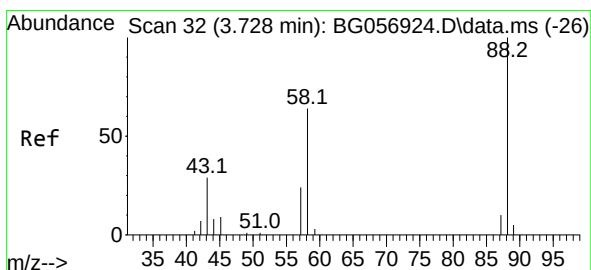
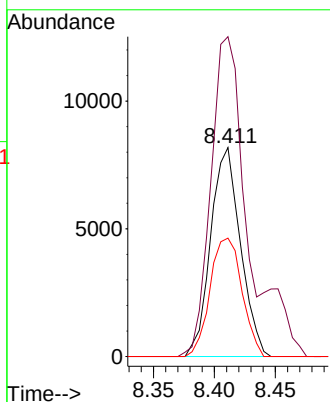
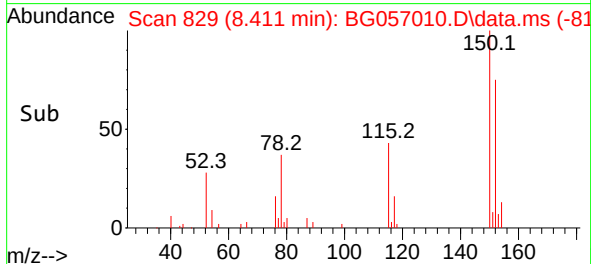
Instrument :  
BNA\_G  
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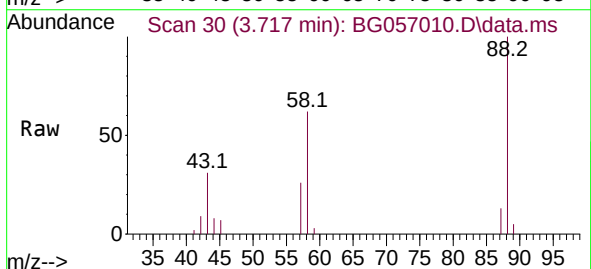
Tgt Ion:152 Resp: 13903  
Ion Ratio Lower Upper  
152 100  
150 153.1 124.1 186.1  
115 56.7 49.1 73.7

Manual Integrations  
APPROVED

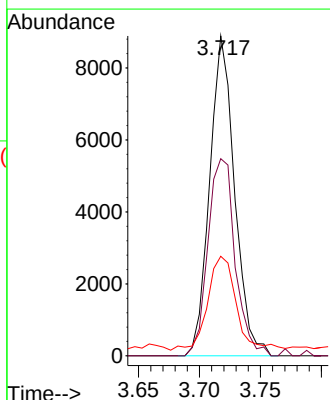
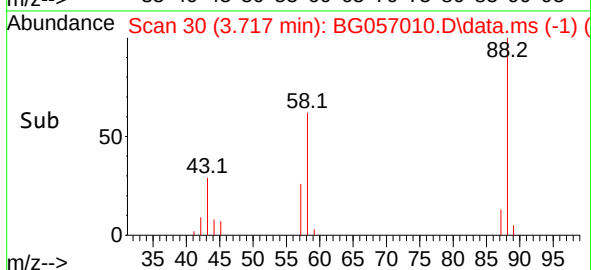
Reviewed By :Christian Giraldo 04/07/2023  
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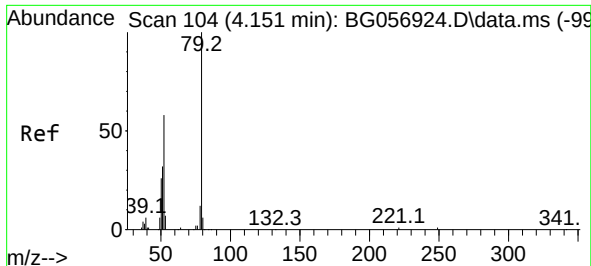


#2  
1,4-Dioxane  
Concen: 33.237 ng  
RT: 3.717 min Scan# 30  
Delta R.T. -0.008 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



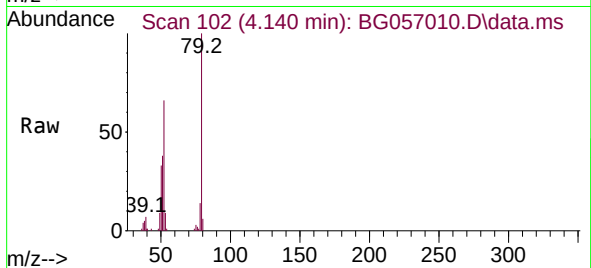
Tgt Ion: 88 Resp: 12657  
Ion Ratio Lower Upper  
88 100  
58 67.2 55.9 83.9  
43 33.5 25.7 38.5





#3  
Pyridine  
Concen: 26.838 ng  
RT: 4.140 min Scan# 104  
Delta R.T. -0.008 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

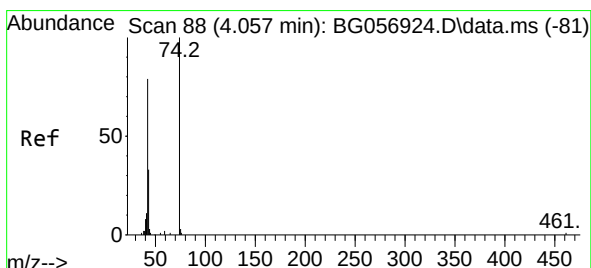
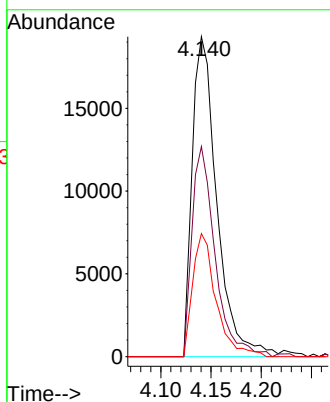
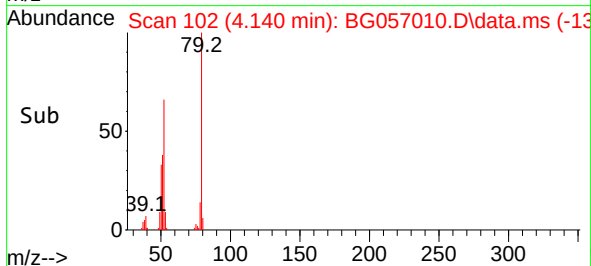
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion: 79 Resp: 32917  
Ion Ratio Lower Upper  
79 100  
52 65.6 46.1 69.1  
51 38.4 26.1 39.1

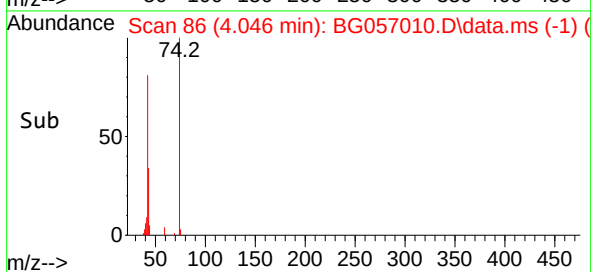
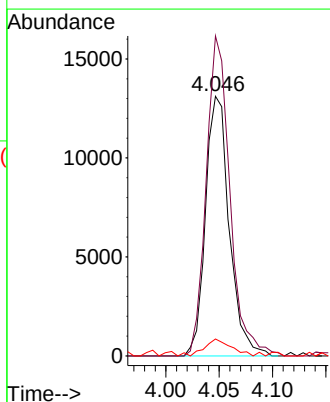
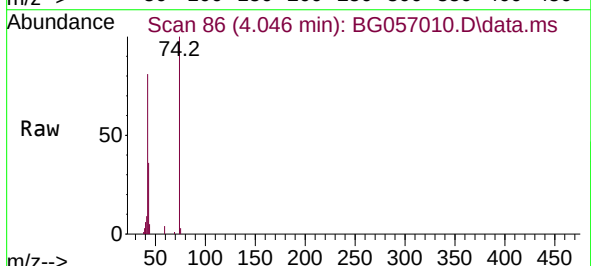
Manual Integrations  
APPROVED

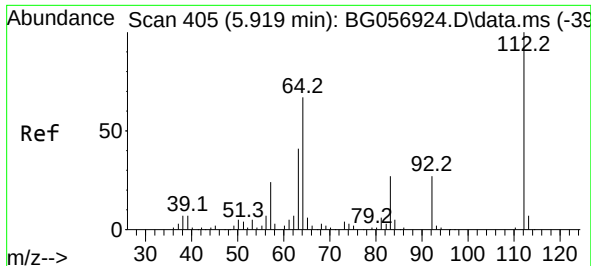
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#4  
n-Nitrosodimethylamine  
Concen: 36.009 ng  
RT: 4.046 min Scan# 86  
Delta R.T. -0.008 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion: 42 Resp: 20306  
Ion Ratio Lower Upper  
42 100  
74 123.3 100.6 151.0  
44 6.5 4.6 7.0





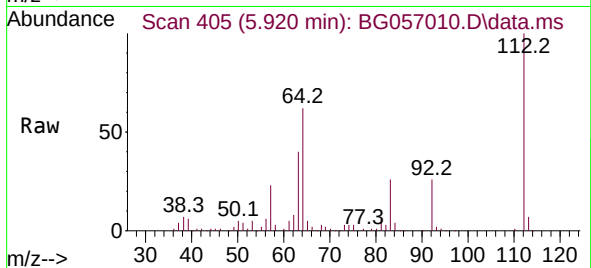
#5  
2-Fluorophenol  
Concen: 114.815 ng  
RT: 5.920 min Scan# 405  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

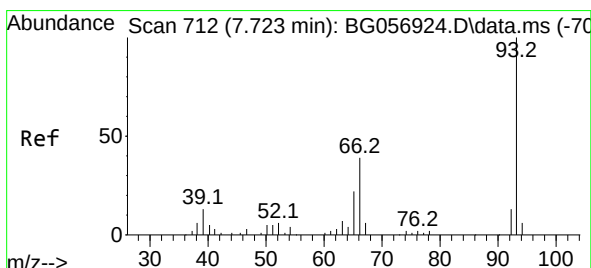
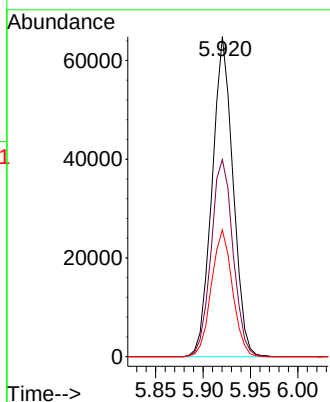
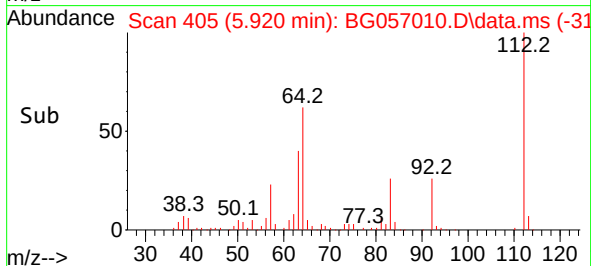


Tgt Ion:112 Resp: 99739  
Ion Ratio Lower Upper  
112 100  
64 61.6 53.2 79.8  
63 39.6 32.6 48.8

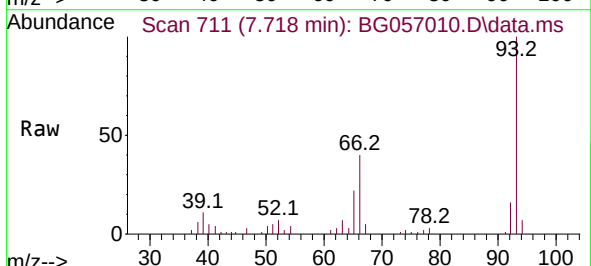
Manual Integrations

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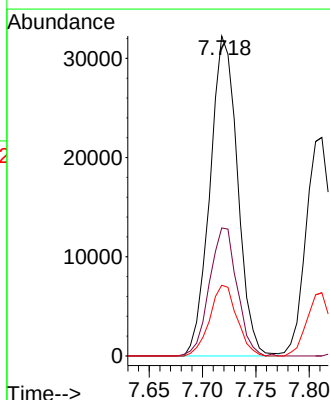
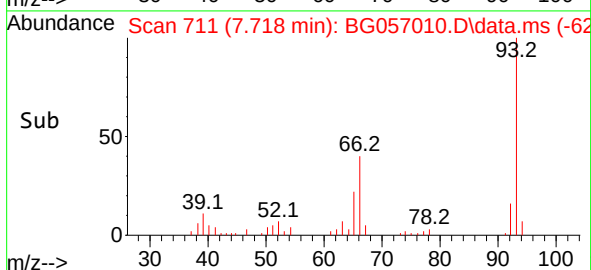
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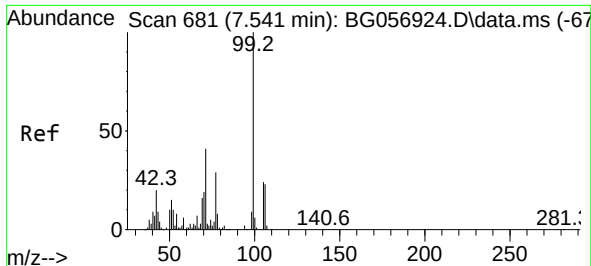


#6  
Aniline  
Concen: 34.991 ng  
RT: 7.718 min Scan# 711  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion: 93 Resp: 58118  
Ion Ratio Lower Upper  
93 100  
66 40.0 31.4 47.0  
65 22.1 17.3 25.9





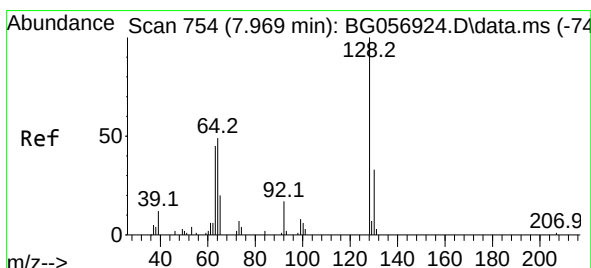
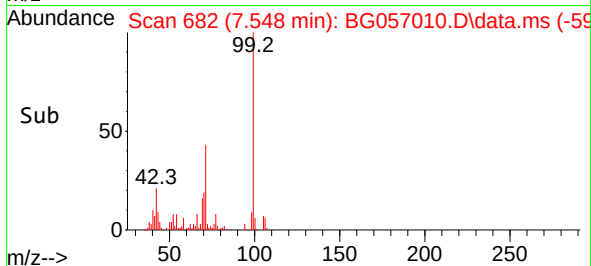
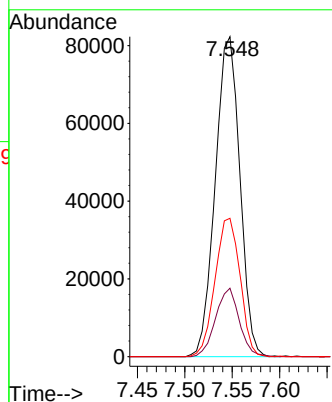
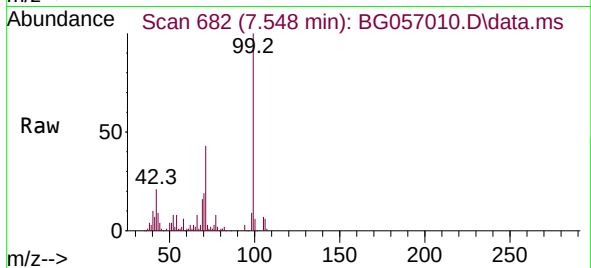
#7  
Phenol-d6  
Concen: 114.087 ng  
RT: 7.548 min Scan# 681  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS

Tgt Ion: 99 Resp: 148226  
Ion Ratio Lower Upper  
99 100  
42 21.4 15.7 23.5  
71 43.2 32.5 48.7

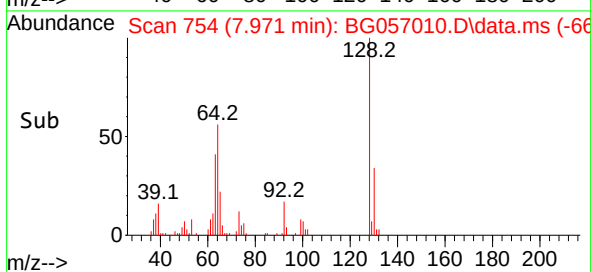
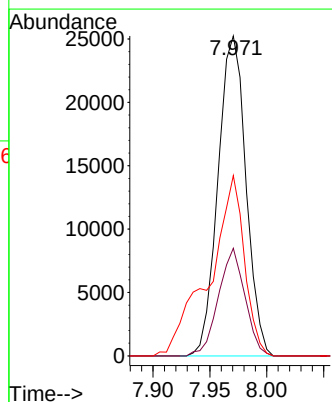
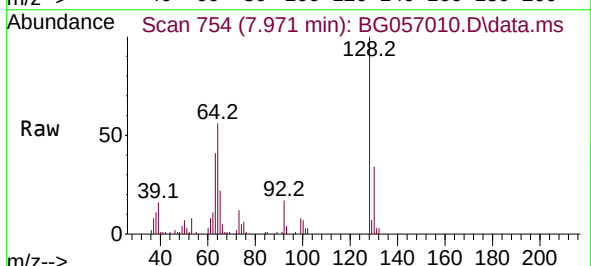
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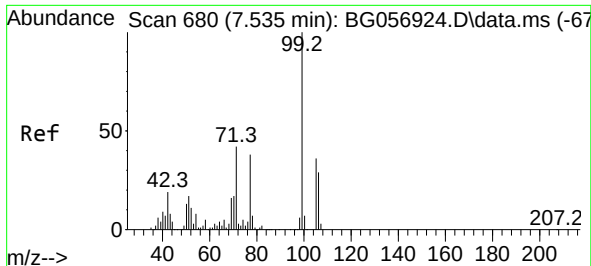
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#8  
2-Chlorophenol  
Concen: 49.814 ng  
RT: 7.971 min Scan# 754  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:128 Resp: 43102  
Ion Ratio Lower Upper  
128 100  
130 33.6 12.6 52.6  
64 56.3 40.6 80.6





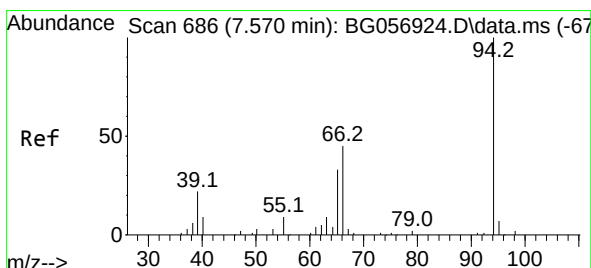
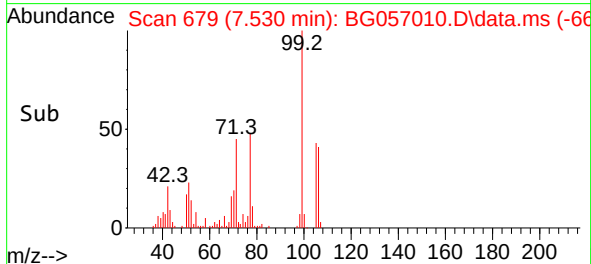
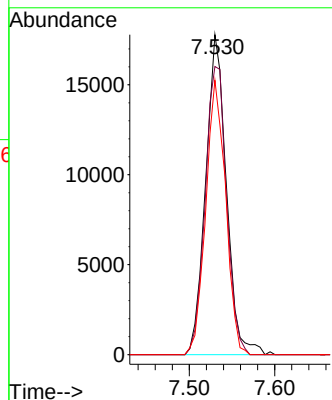
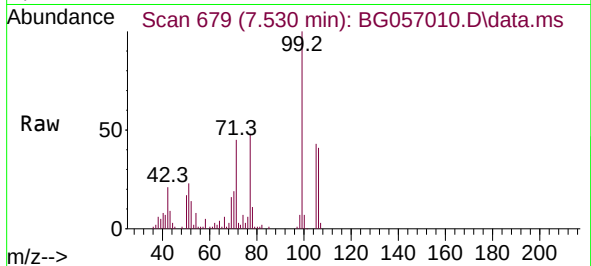
#9  
Benzaldehyde  
Concen: 36.864 ng  
RT: 7.530 min Scan# 61  
Delta R.T. -0.008 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS

Tgt Ion: 77 Resp: 3004  
Ion Ratio Lower Upper  
77 100  
105 90.0 73.6 113.6  
106 85.7 56.7 96.7

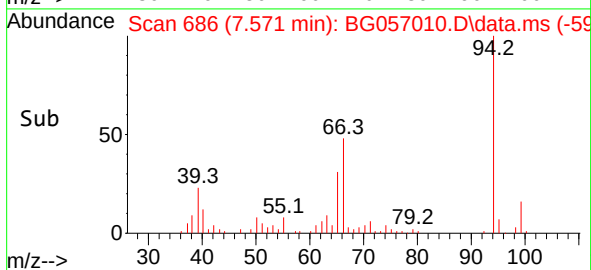
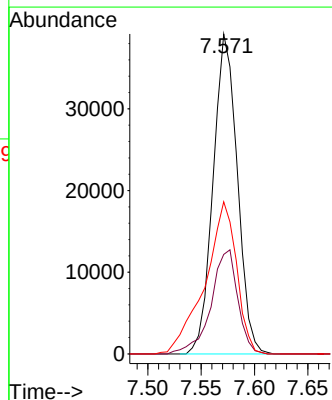
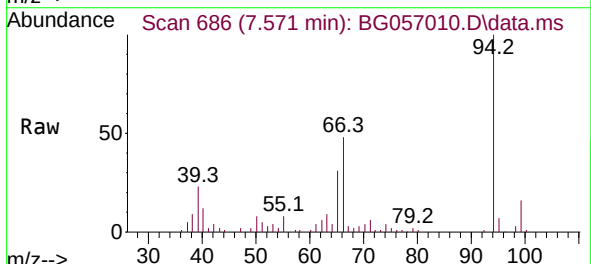
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

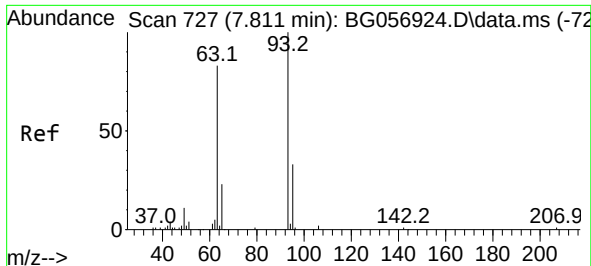


#10  
Phenol  
Concen: 47.959 ng  
RT: 7.571 min Scan# 686  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion: 94 Resp: 61742  
Ion Ratio Lower Upper  
94 100  
65 31.1 13.3 53.3  
66 47.5 26.7 66.7

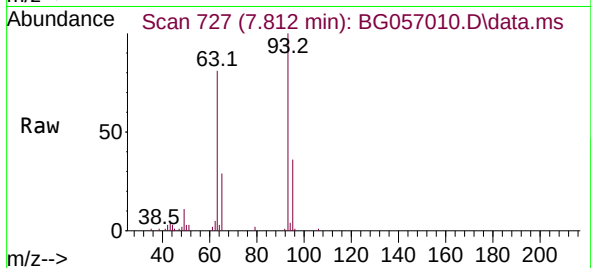






#11  
bis(2-Chloroethyl)ether  
Concen: 40.705 ng  
RT: 7.812 min Scan# 71  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

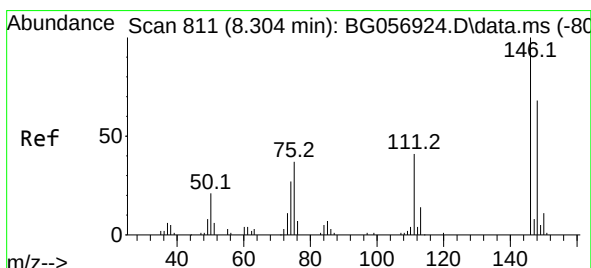
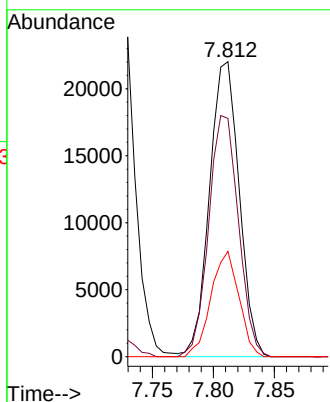
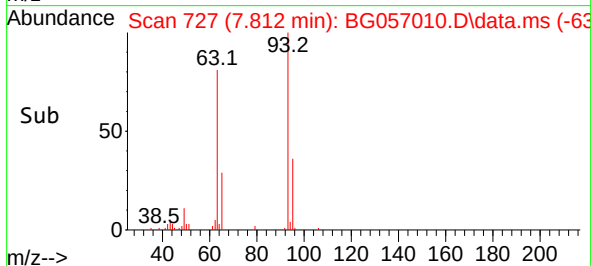
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



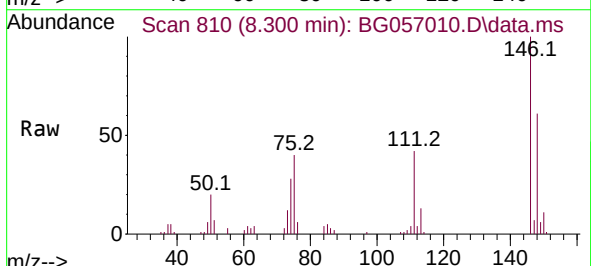
Tgt Ion: 93 Resp: 37328  
Ion Ratio Lower Upper  
93 100  
63 80.7 62.7 102.7  
95 35.7 12.3 52.3

Manual Integrations  
APPROVED

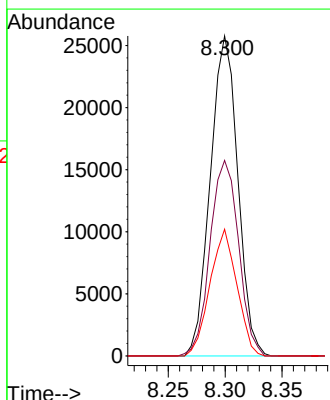
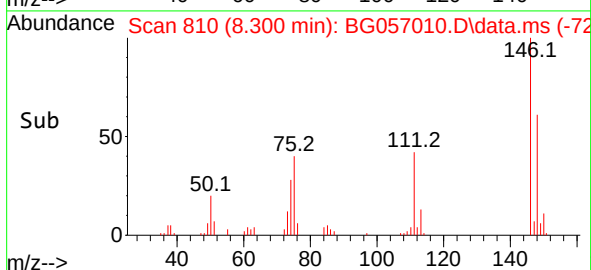
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

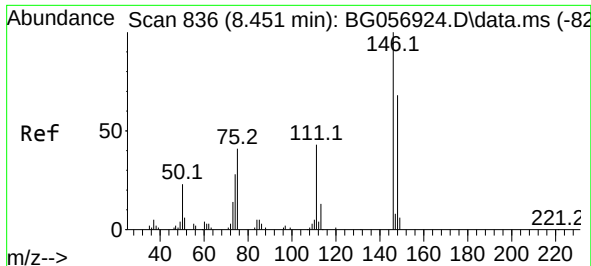


#12  
1,3-Dichlorobenzene  
Concen: 45.348 ng  
RT: 8.300 min Scan# 810  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



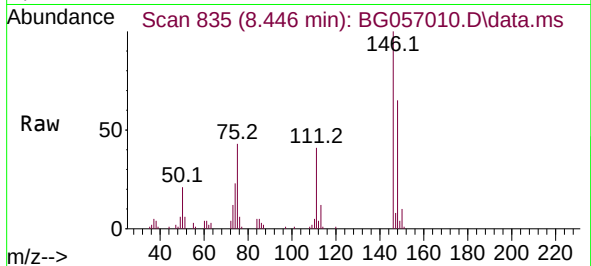
Tgt Ion:146 Resp: 43356  
Ion Ratio Lower Upper  
146 100  
148 61.1 54.2 81.4  
75 39.6 29.8 44.8





#13  
1,4-Dichlorobenzene  
Concen: 45.178 ng  
RT: 8.446 min Scan# 836  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

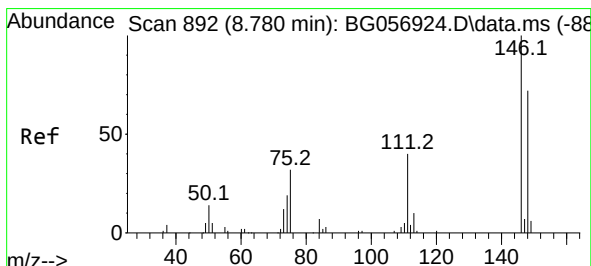
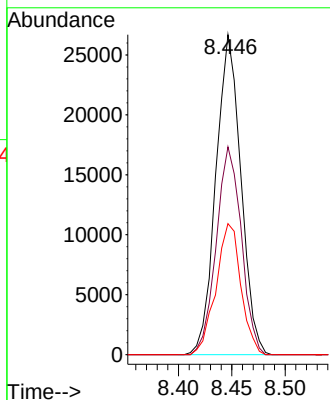
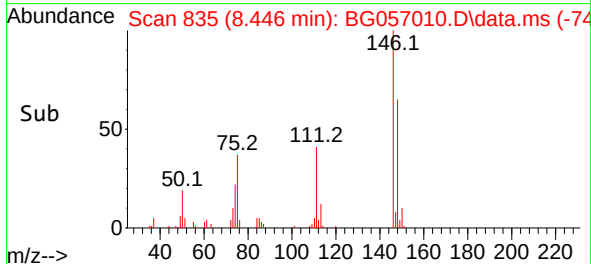
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



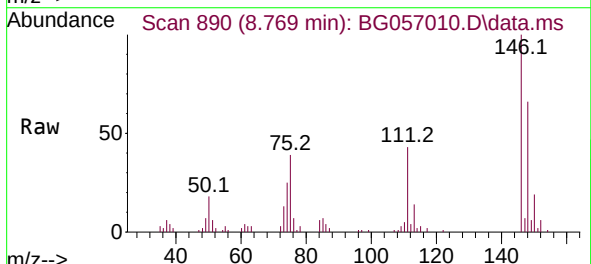
Tgt Ion:146 Resp: 43594  
Ion Ratio Lower Upper  
146 100  
148 64.9 54.8 82.2  
111 40.9 34.6 52.0

Manual Integrations  
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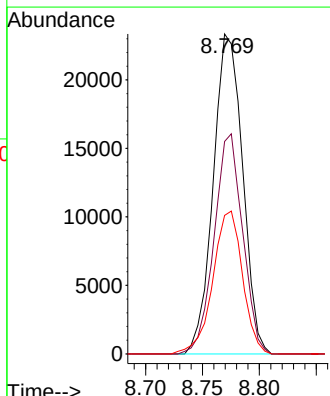
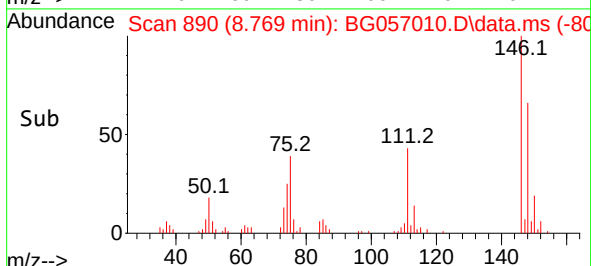
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

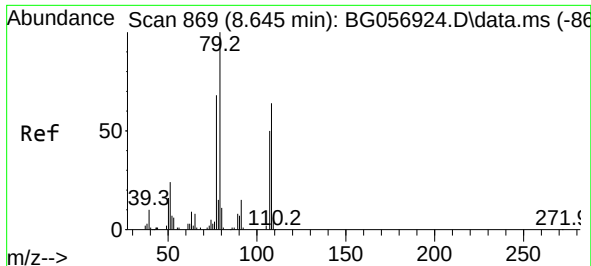


#14  
1,2-Dichlorobenzene  
Concen: 44.986 ng  
RT: 8.769 min Scan# 890  
Delta R.T. -0.008 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:146 Resp: 41938  
Ion Ratio Lower Upper  
146 100  
148 66.4 57.4 86.0  
111 43.3 33.2 49.8





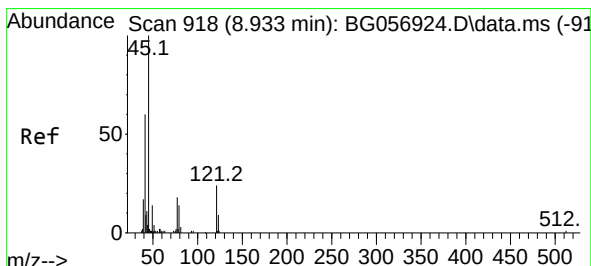
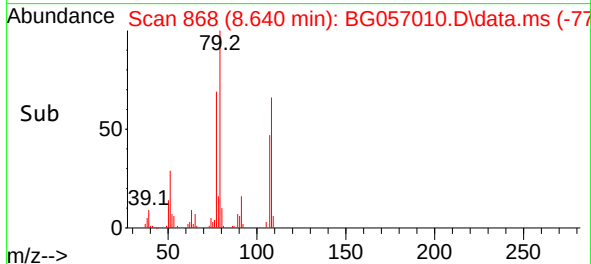
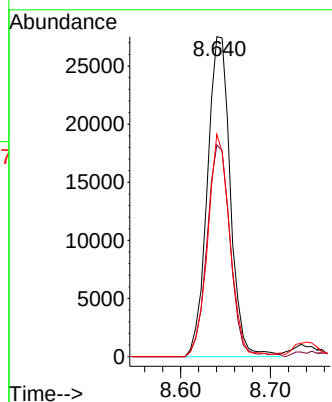
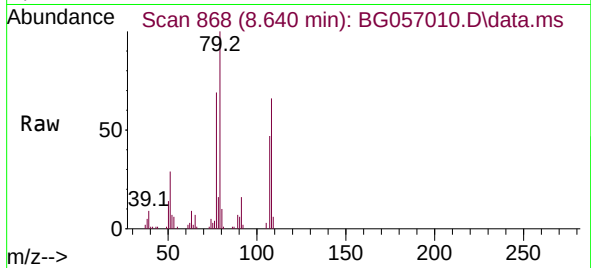
#15  
Benzyl Alcohol  
Concen: 45.329 ng  
RT: 8.640 min Scan# 869  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS

Tgt Ion: 79 Resp: 48935  
Ion Ratio Lower Upper  
79 100  
108 66.2 51.2 76.8  
77 69.4 54.4 81.6

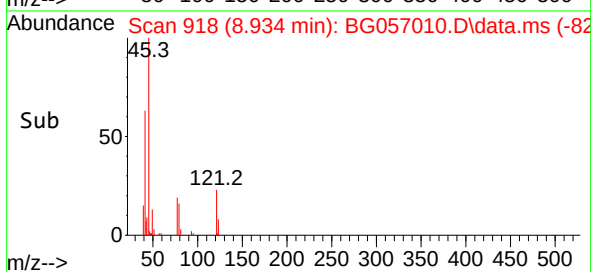
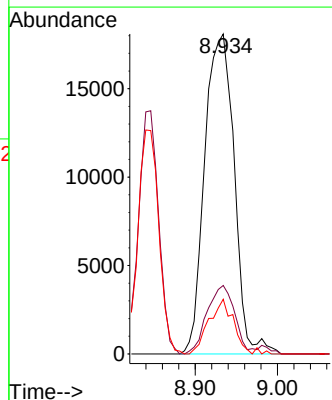
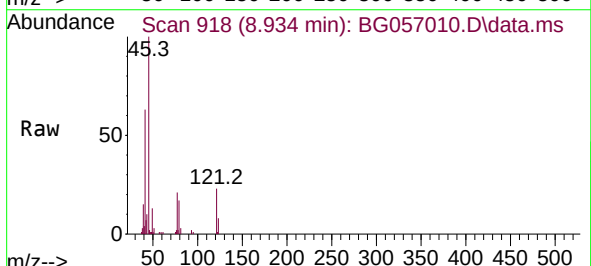
Manual Integrations  
APPROVED

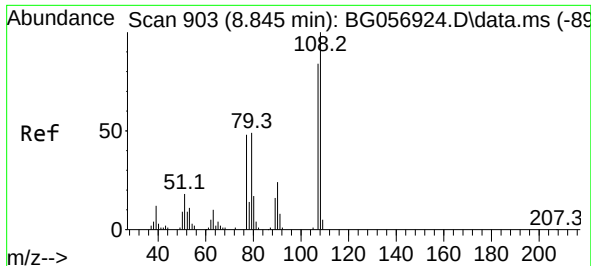
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.858 ng m  
RT: 8.934 min Scan# 918  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion: 45 Resp: 45155  
Ion Ratio Lower Upper  
45 100  
77 21.4 0.0 38.7  
79 17.1 0.0 35.1





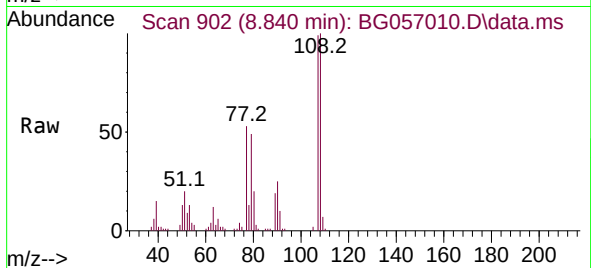
#17  
2-Methylphenol  
Concen: 45.865 ng  
RT: 8.840 min Scan# 903  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

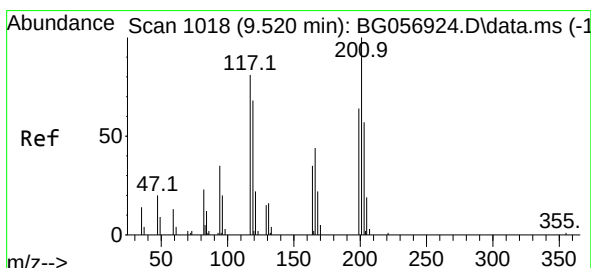
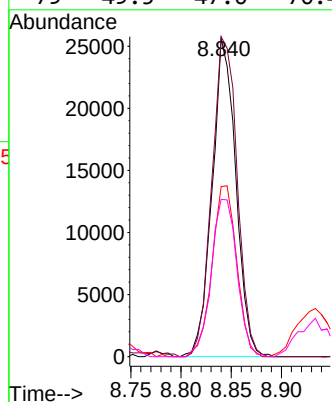
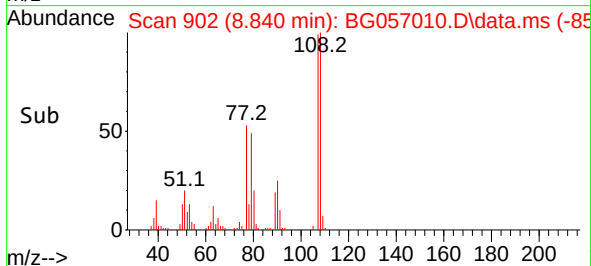


Tgt Ion:107 Resp: 42125  
Ion Ratio Lower Upper  
107 100  
108 100.7 96.0 144.0  
77 53.5 45.6 68.4  
79 49.5 47.0 70.4

Manual Integrations

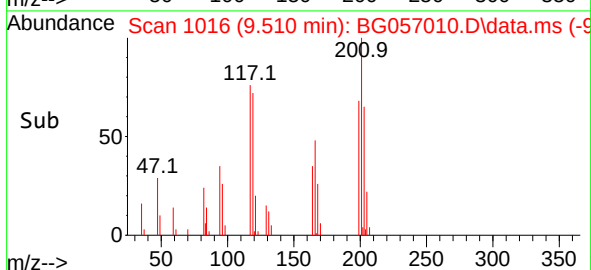
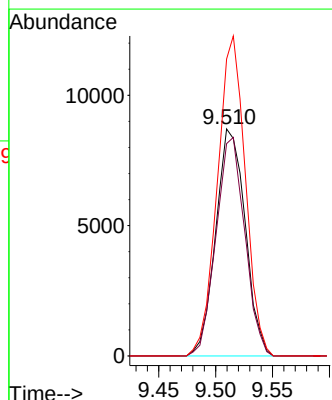
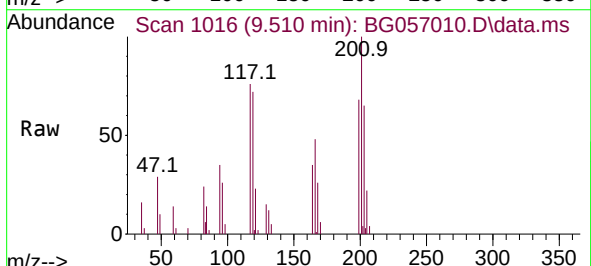
APPROVED

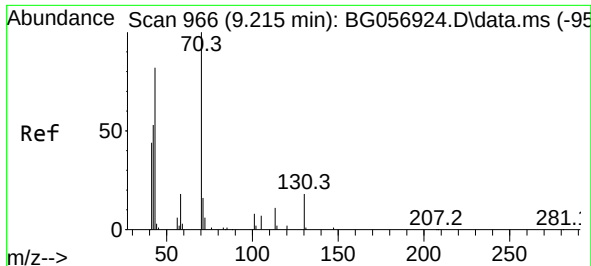
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#18  
Hexachloroethane  
Concen: 44.504 ng  
RT: 9.510 min Scan# 1016  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:117 Resp: 15696  
Ion Ratio Lower Upper  
117 100  
119 93.5 67.0 100.6  
201 130.8 98.7 148.1





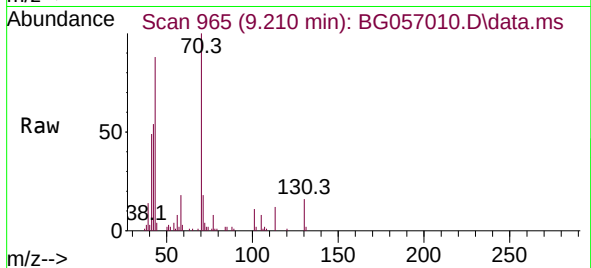
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.119 ng  
RT: 9.210 min Scan# 90  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

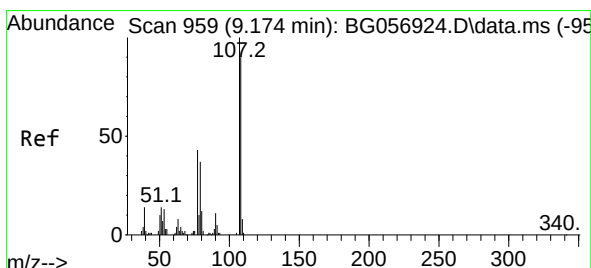
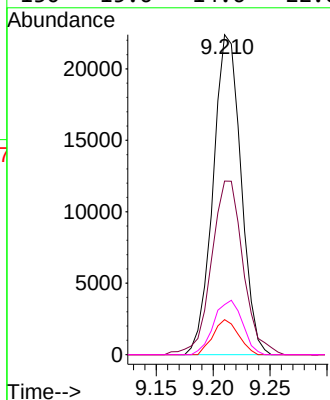
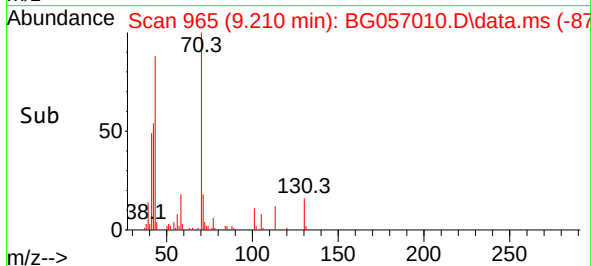


Tgt Ion: 70 Resp: 38212  
Ion Ratio Lower Upper  
70 100  
42 54.2 43.4 65.0  
101 10.9 6.2 9.2  
130 15.6 14.6 22.0

Manual Integrations

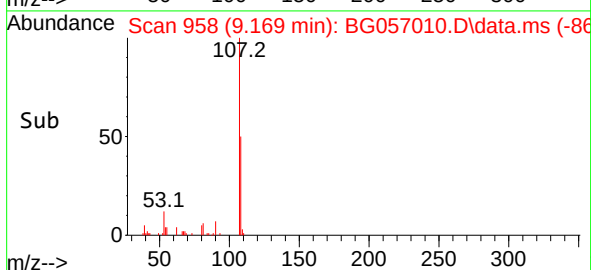
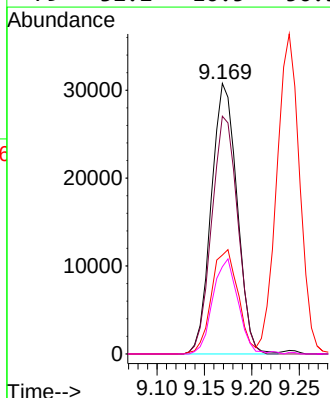
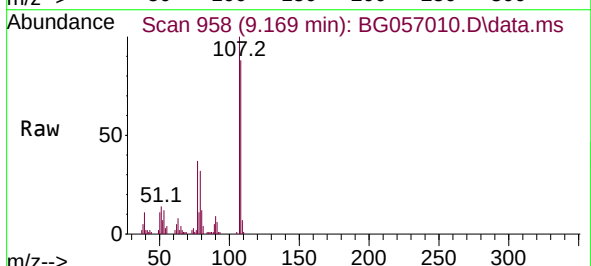
APPROVED

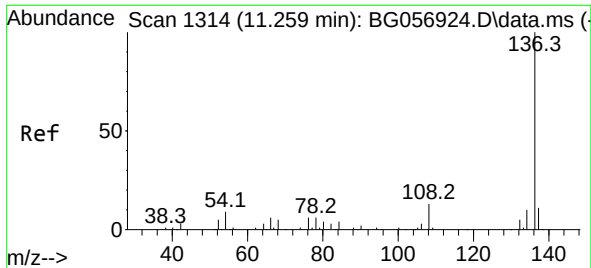
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#20  
3+4-Methylphenols  
Concen: 45.370 ng  
RT: 9.169 min Scan# 958  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:107 Resp: 58270  
Ion Ratio Lower Upper  
107 100  
108 87.9 69.9 109.9  
77 36.6 22.7 62.7  
79 32.2 16.5 56.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.254 min Scan# 1314  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

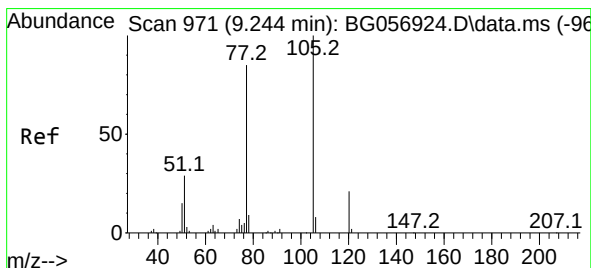
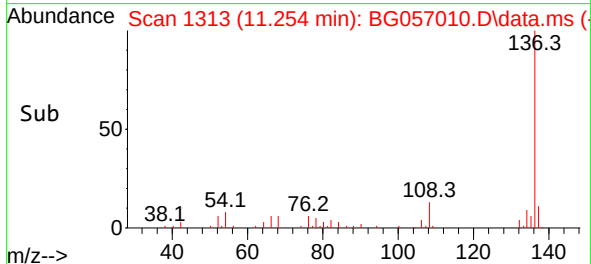
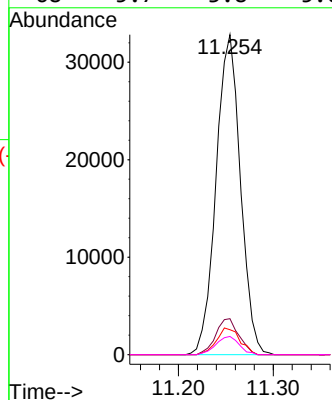
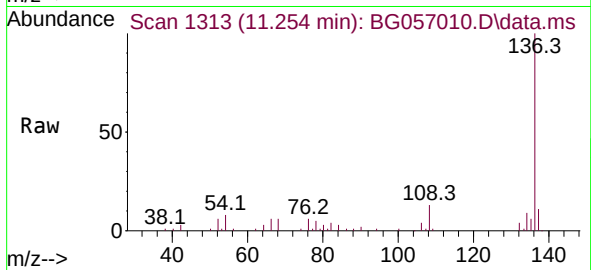
ClientSampleId :

PB151924BS

Tgt Ion:136 Resp: 58541  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 7.8 6.9 10.3  
68 5.7 3.8 5.6#

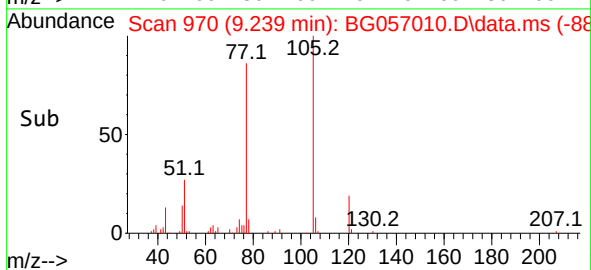
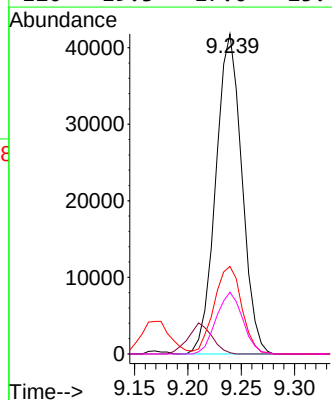
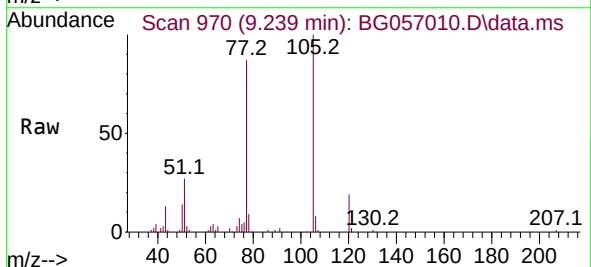
Manual Integrations  
APPROVED

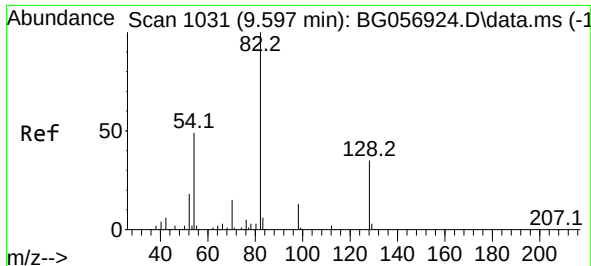
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#22  
Acetophenone  
Concen: 40.816 ng  
RT: 9.239 min Scan# 970  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:105 Resp: 71099  
Ion Ratio Lower Upper  
105 100  
71 0.4 0.7 1.1#  
51 27.3 23.8 35.8  
120 19.3 17.0 25.4





#23

Nitrobenzene-d5

Concen: 65.370 ng

RT: 9.592 min Scan# 1030

Delta R.T. -0.002 min

Lab File: BG057010.D

Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

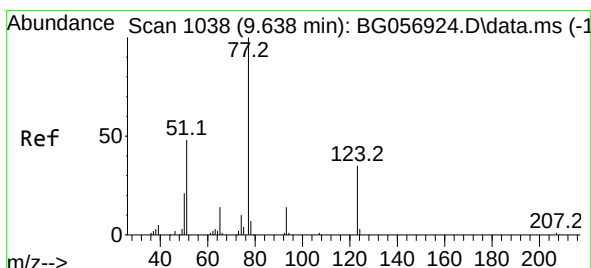
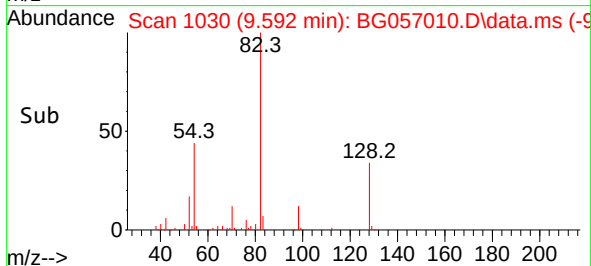
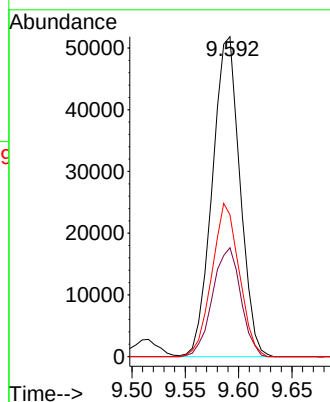
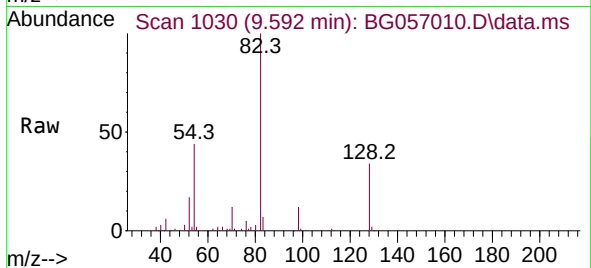
PB151924BS

|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 93525 |
| Ion Ratio   | Lower Upper |
| 82 100      |             |
| 128 34.0    | 27.9 41.9   |
| 54 44.3     | 39.4 59.2   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#24

Nitrobenzene

Concen: 40.694 ng

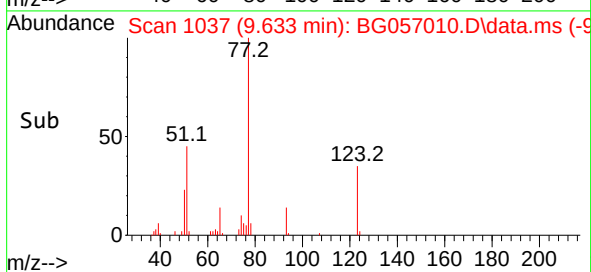
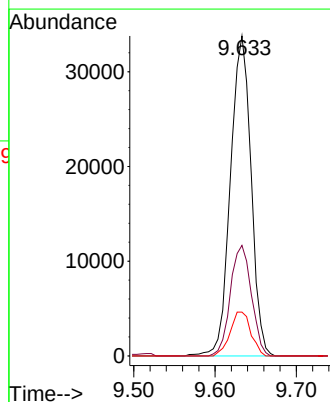
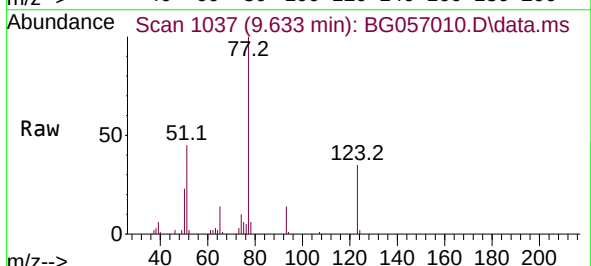
RT: 9.633 min Scan# 1037

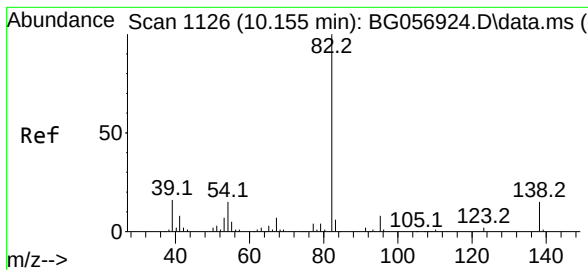
Delta R.T. -0.002 min

Lab File: BG057010.D

Acq: 6 Apr 2023 13:20

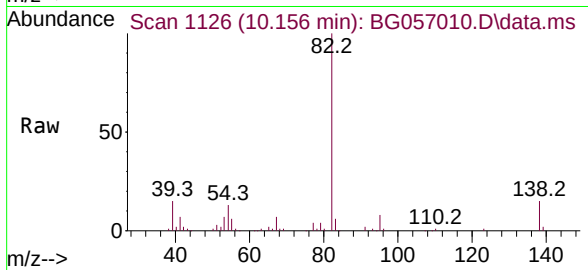
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 59524 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 123 34.5    | 27.6 41.4   |
| 65 13.7     | 11.5 17.3   |





#25  
Isophorone  
Concen: 38.710 ng  
RT: 10.156 min Scan# 1126  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

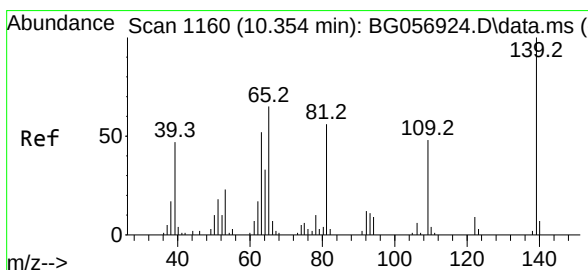
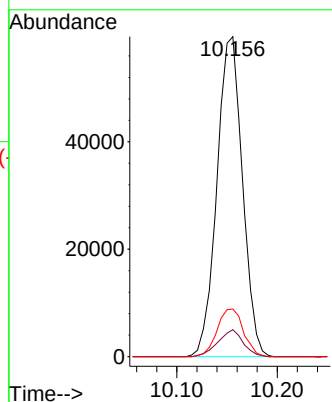
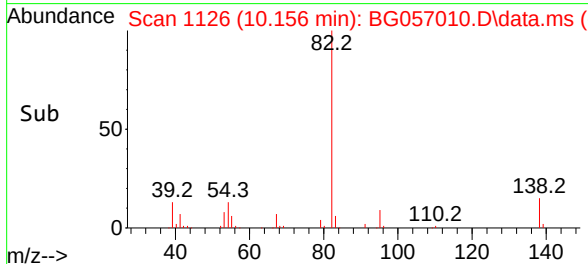
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



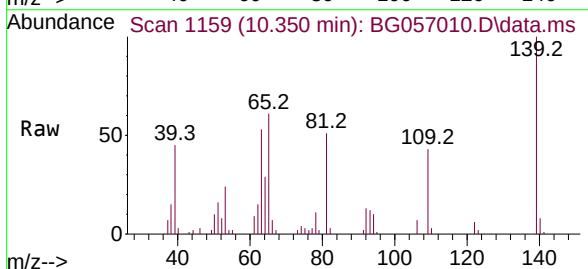
Tgt Ion: 82 Resp: 105463  
Ion Ratio Lower Upper  
82 100  
95 8.4 6.3 9.5  
138 14.9 11.8 17.8

Manual Integrations  
APPROVED

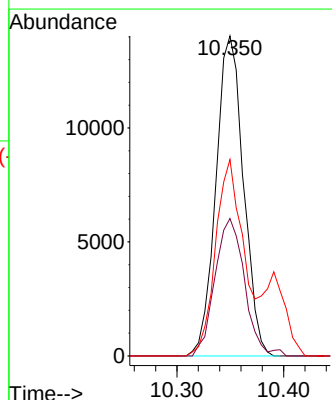
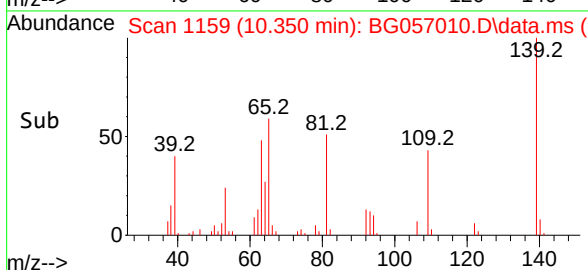
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



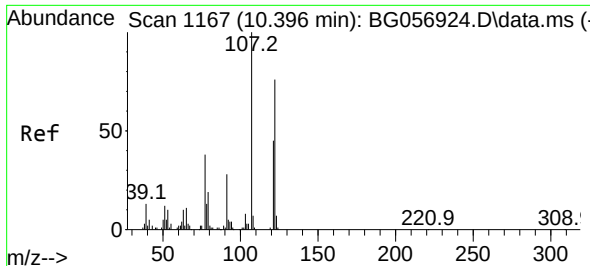
#26  
2-Nitrophenol  
Concen: 44.582 ng  
RT: 10.350 min Scan# 1159  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:139 Resp: 25171  
Ion Ratio Lower Upper  
139 100  
109 42.9 38.2 57.4  
65 61.4 51.8 77.8







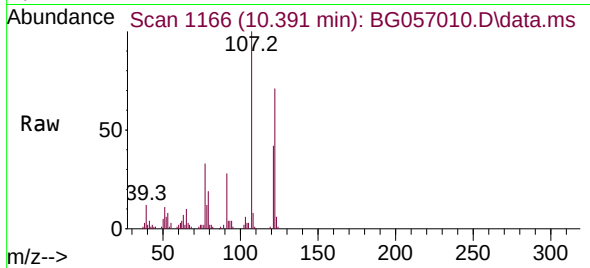
#27  
2,4-Dimethylphenol  
Concen: 45.461 ng  
RT: 10.391 min Scan# 1166  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

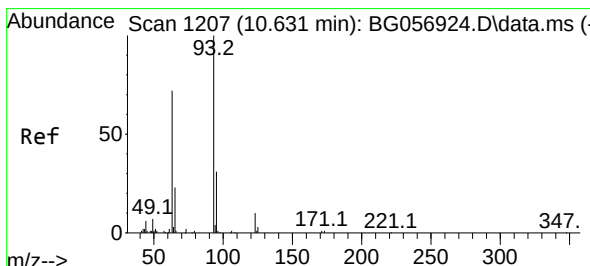
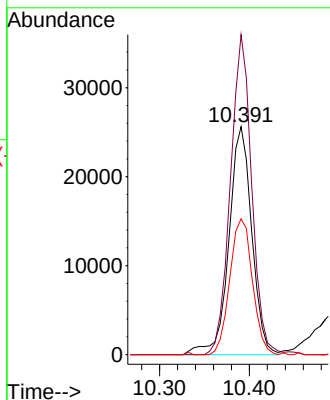
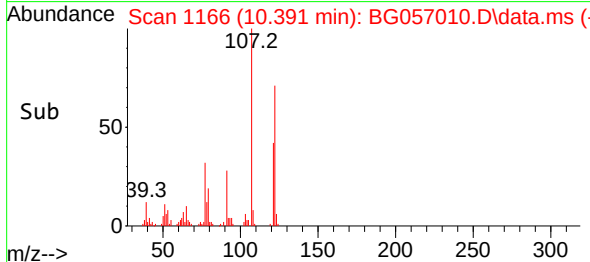


Tgt Ion:122 Resp: 45318  
Ion Ratio Lower Upper  
122 100  
107 140.4 105.7 158.5  
121 59.6 48.0 72.0

Manual Integrations

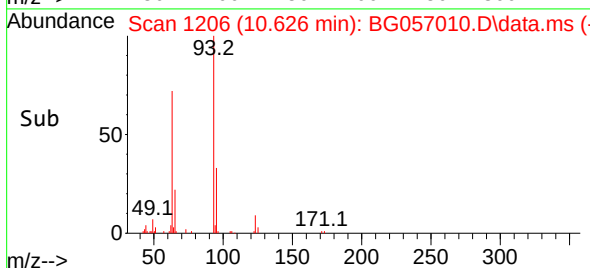
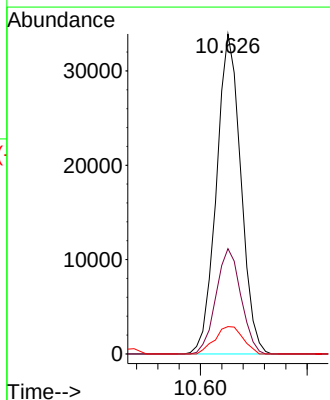
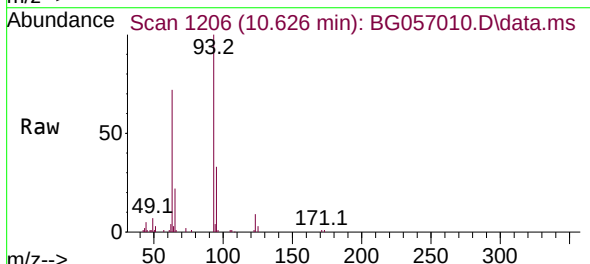
APPROVED

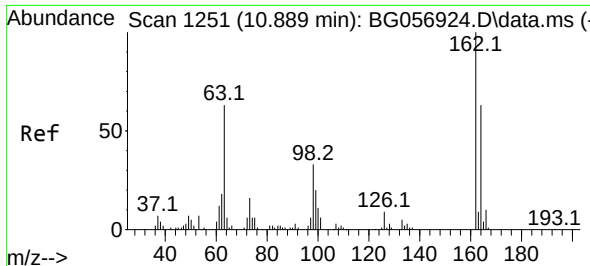
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.481 ng  
RT: 10.626 min Scan# 1206  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion: 93 Resp: 53851  
Ion Ratio Lower Upper  
93 100  
95 32.9 24.6 37.0  
123 8.5 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 45.849 ng

RT: 10.884 min Scan# 1250

Delta R.T. -0.002 min

Lab File: BG057010.D

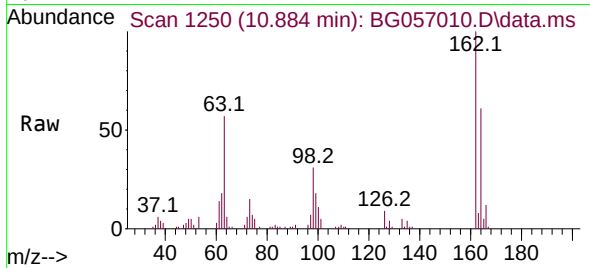
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS



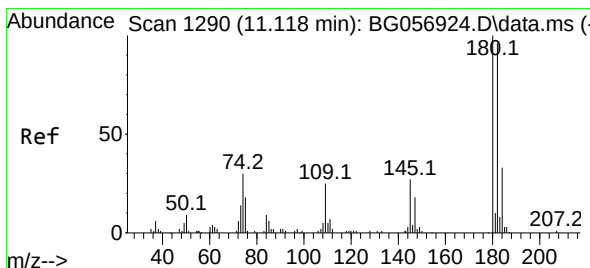
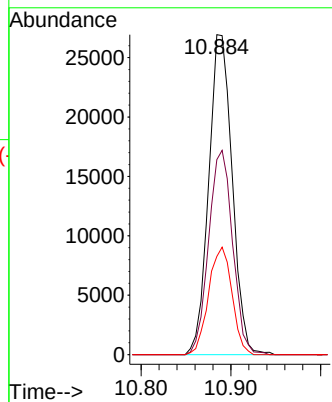
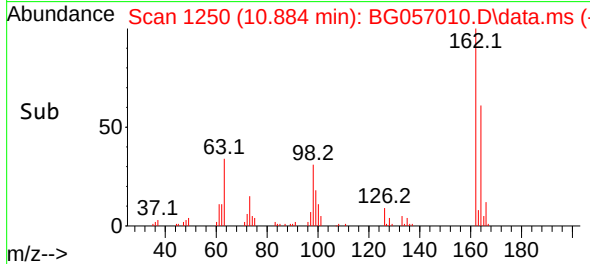
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 49153 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 60.9  | 43.4  | 83.4  |
| 98        | 30.7  | 12.5  | 52.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.138 ng

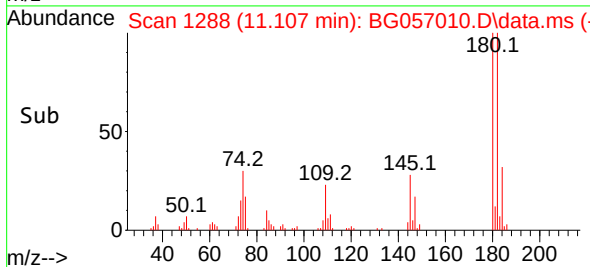
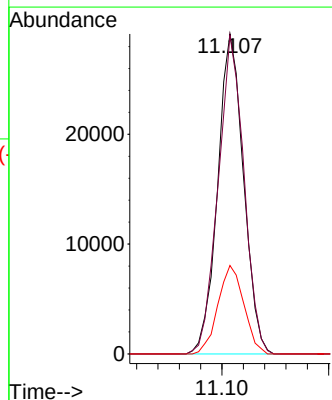
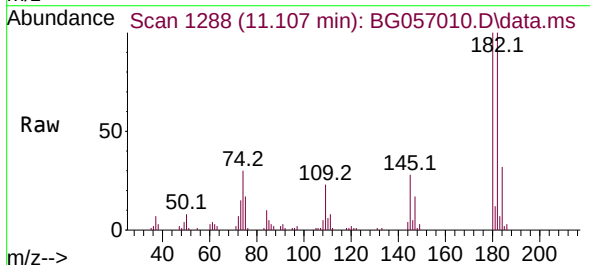
RT: 11.107 min Scan# 1288

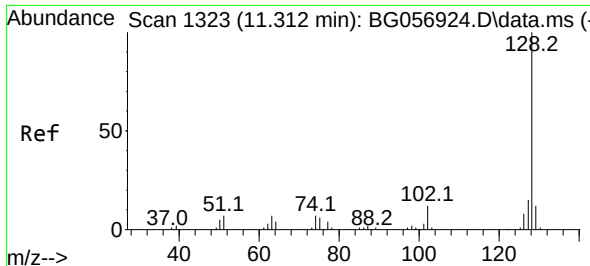
Delta R.T. -0.002 min

Lab File: BG057010.D

Acq: 6 Apr 2023 13:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 49139 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.5  | 77.1  | 115.7 |
| 145       | 27.6  | 21.3  | 31.9  |





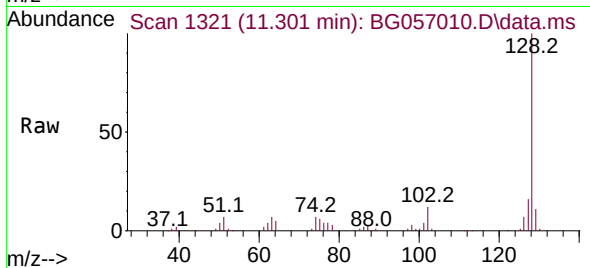
#31  
Naphthalene  
Concen: 41.020 ng  
RT: 11.301 min Scan# 1323  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

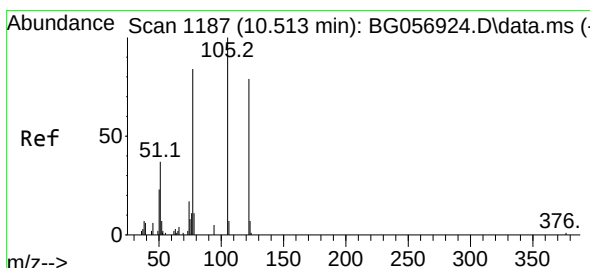
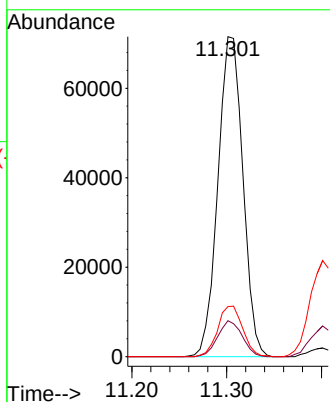
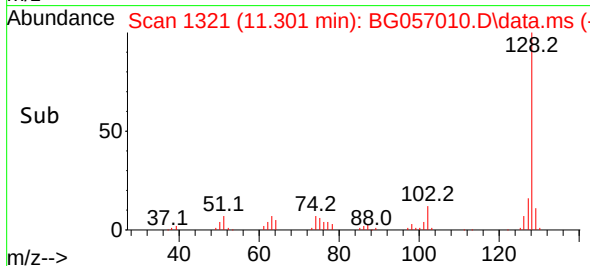


Tgt Ion:128 Resp: 130889  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.4 14.2  
127 15.6 12.2 18.4

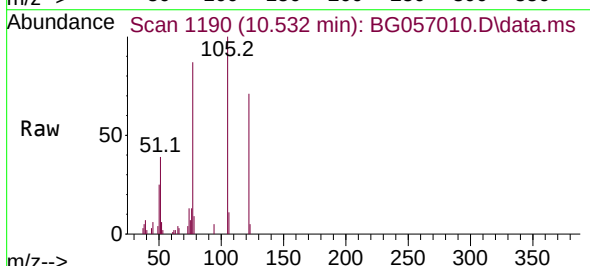
Manual Integrations

APPROVED

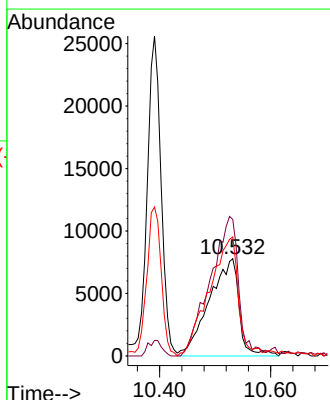
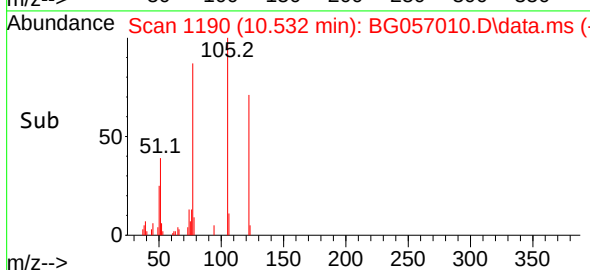
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

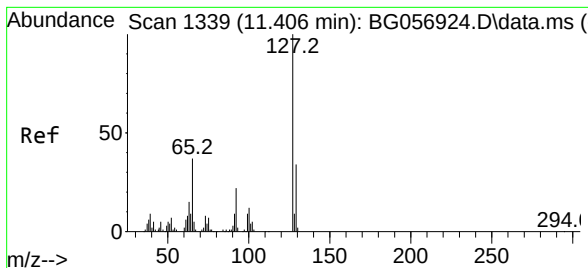


#32  
Benzoic acid  
Concen: 42.453 ng m  
RT: 10.532 min Scan# 1190  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



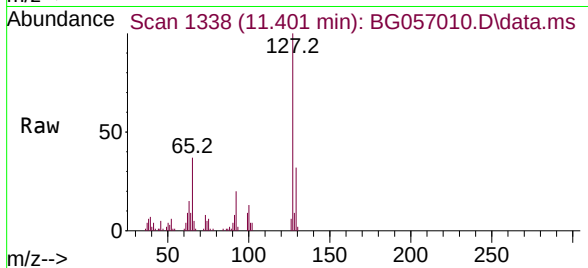
Tgt Ion:122 Resp: 29070  
Ion Ratio Lower Upper  
122 100  
105 140.3 105.4 145.4  
77 122.4 87.4 127.4





#33  
4-Chloroaniline  
Concen: 29.641 ng  
RT: 11.401 min Scan# 1338  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

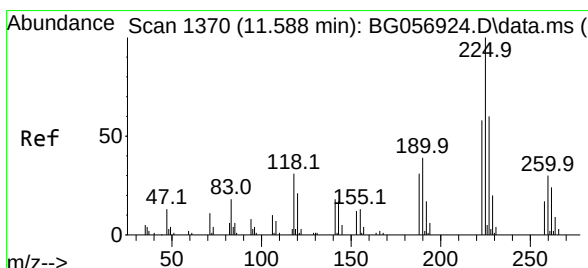
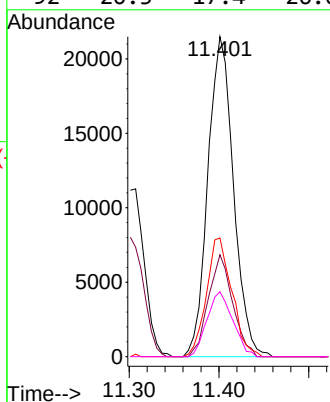
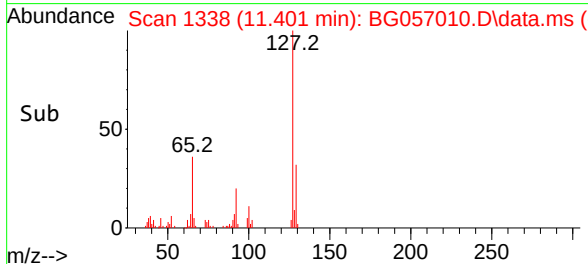
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 127   | Resp: | 4271 |
| Ion Ratio | Lower | Upper |      |
| 127       | 100   |       |      |
| 129       | 31.8  | 27.6  | 41.4 |
| 65        | 37.1  | 29.8  | 44.8 |
| 92        | 20.3  | 17.4  | 26.0 |

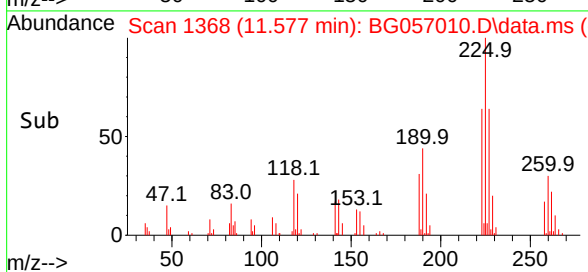
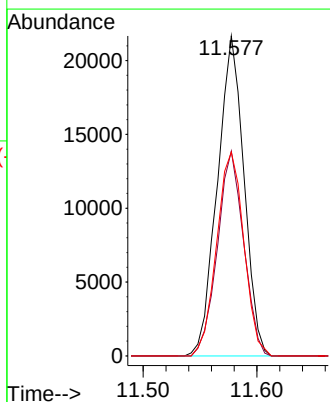
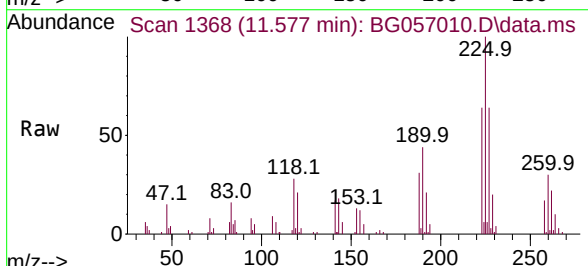
Manual Integrations  
APPROVED

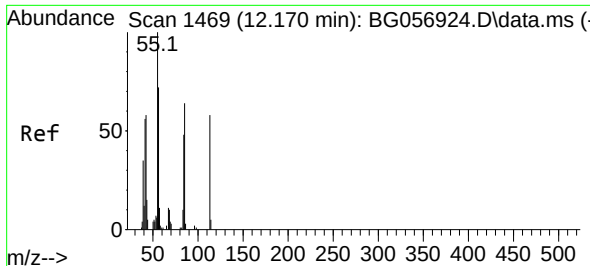
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#34  
Hexachlorobutadiene  
Concen: 41.119 ng  
RT: 11.577 min Scan# 1368  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

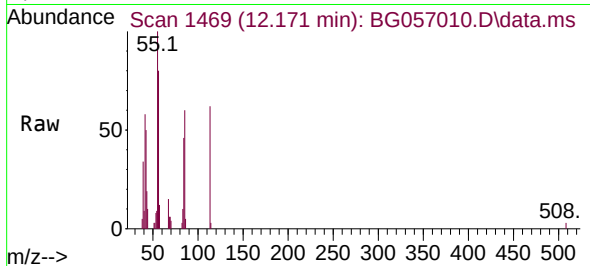
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 35184 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.0  | 46.4  | 69.6  |
| 227       | 63.7  | 48.0  | 72.0  |





#35  
Caprolactam  
Concen: 40.815 ng m  
RT: 12.171 min Scan# 1469  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

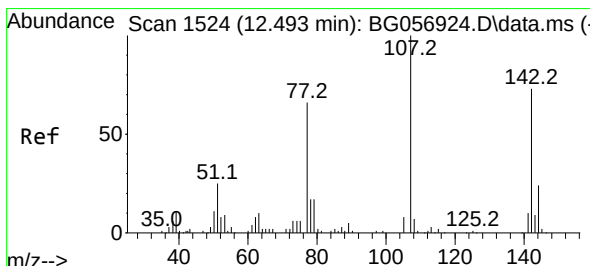
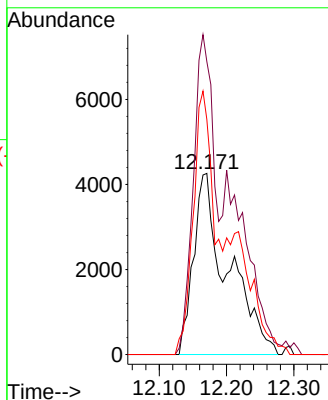
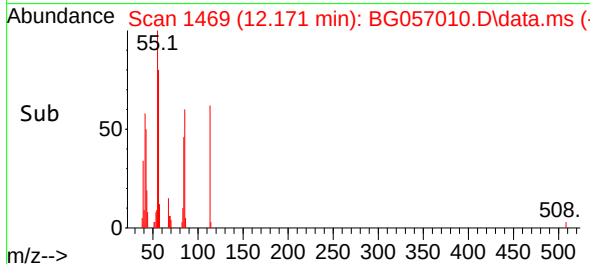
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



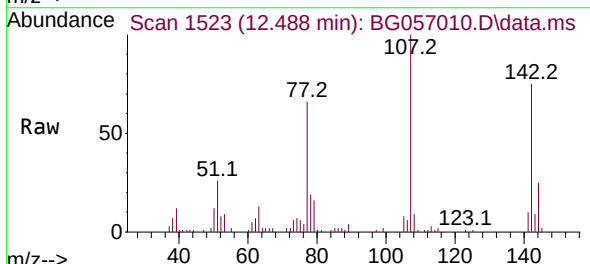
Tgt Ion:113 Resp: 15090  
Ion Ratio Lower Upper  
113 100  
55 161.8 151.6 191.6  
56 129.8 103.7 143.7

Manual Integrations  
APPROVED

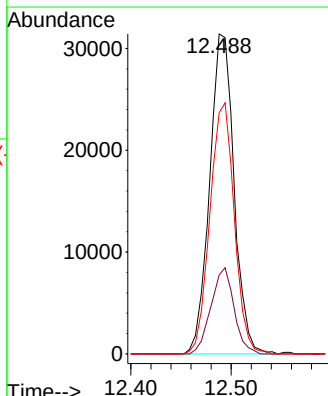
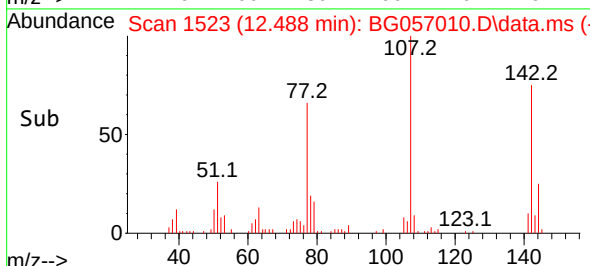
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

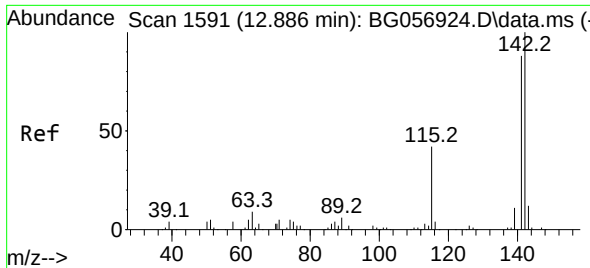


#36  
4-Chloro-3-methylphenol  
Concen: 44.334 ng  
RT: 12.488 min Scan# 1523  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:107 Resp: 53153  
Ion Ratio Lower Upper  
107 100  
144 24.7 19.0 28.4  
142 75.3 58.6 88.0





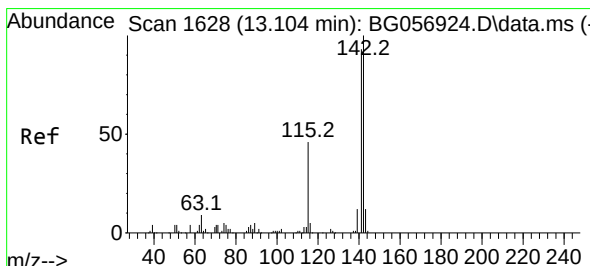
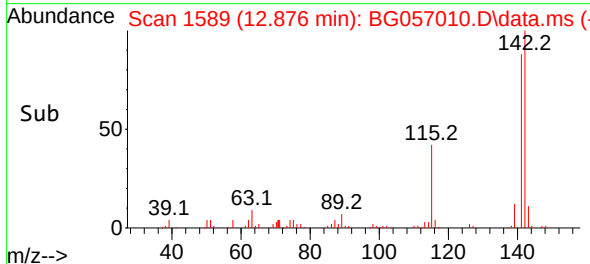
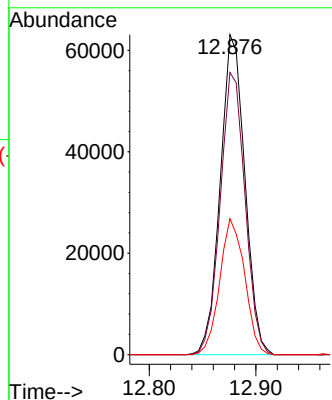
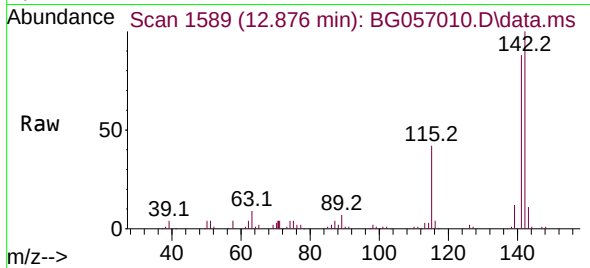
#37  
2-Methylnaphthalene  
Concen: 39.987 ng  
RT: 12.876 min Scan# 1589  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS

Tgt Ion:142 Resp: 101266  
Ion Ratio Lower Upper  
142 100  
141 88.2 70.3 105.5  
115 42.5 33.5 50.3

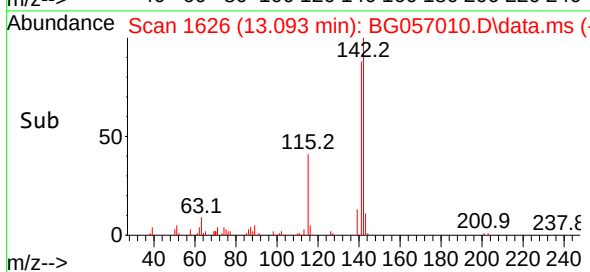
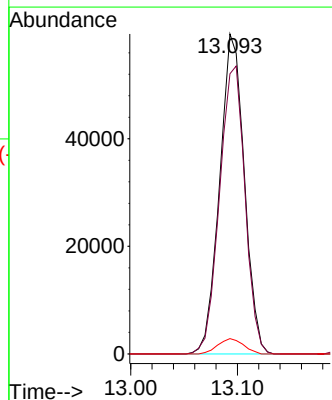
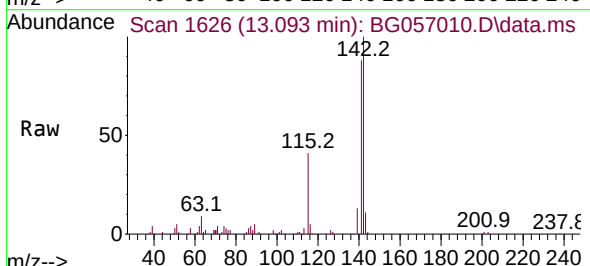
Manual Integrations  
APPROVED

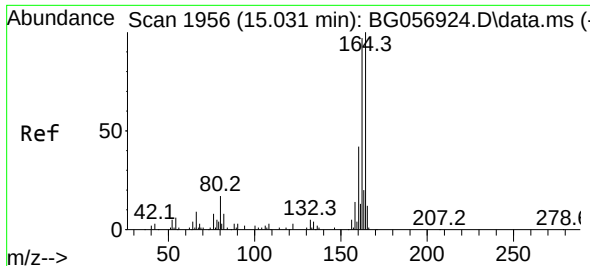
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#38  
1-Methylnaphthalene  
Concen: 40.243 ng  
RT: 13.093 min Scan# 1626  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:142 Resp: 95699  
Ion Ratio Lower Upper  
142 100  
141 87.5 74.0 111.0  
116 4.8 3.7 5.5





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.026 min Scan# 1956  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

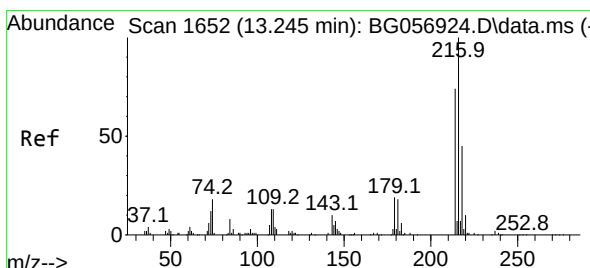
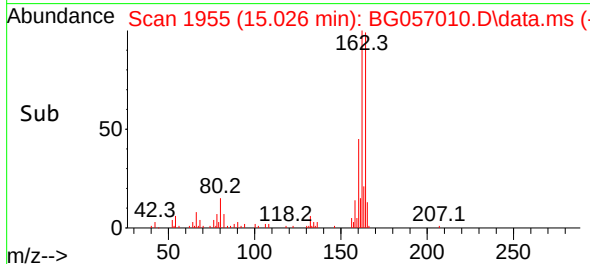
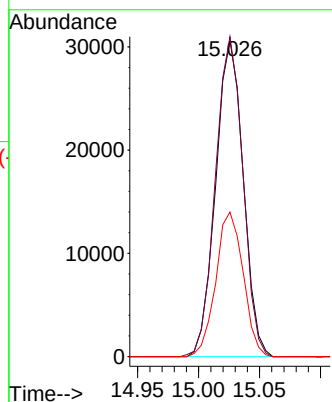
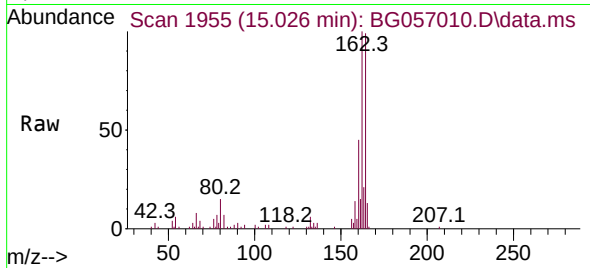
PB151924BS

Tgt Ion:164 Resp: 48108  
Ion Ratio Lower Upper  
164 100  
162 101.3 77.8 116.8  
160 45.8 33.5 50.3

Manual Integrations

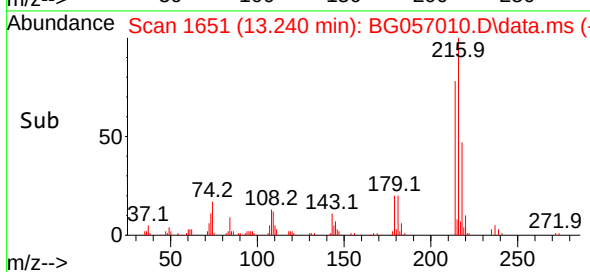
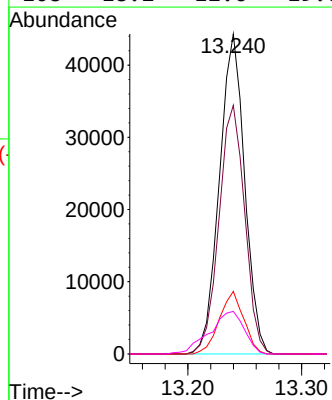
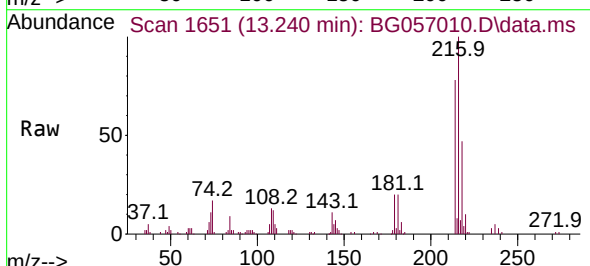
APPROVED

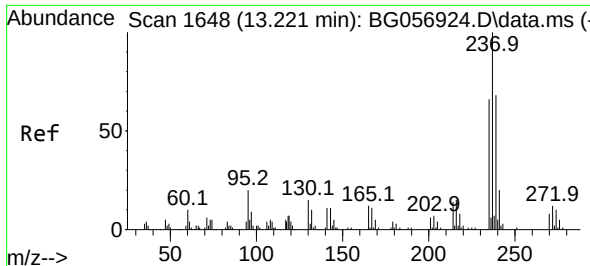
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.966 ng  
RT: 13.240 min Scan# 1651  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

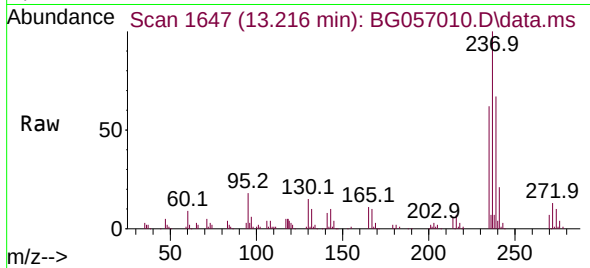
Tgt Ion:216 Resp: 68342  
Ion Ratio Lower Upper  
216 100  
214 79.0 63.3 94.9  
179 18.8 15.0 22.6  
108 18.2 12.6 19.0





#41  
Hexachlorocyclopentadiene  
Concen: 107.499 ng  
RT: 13.216 min Scan# 1647  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

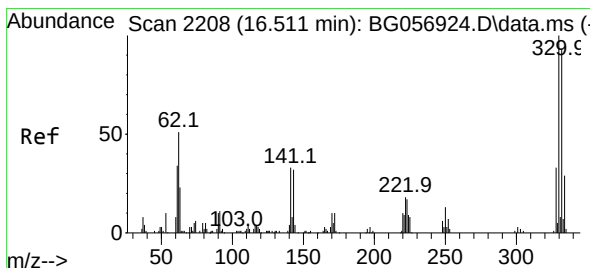
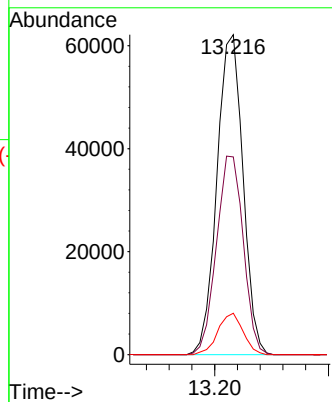
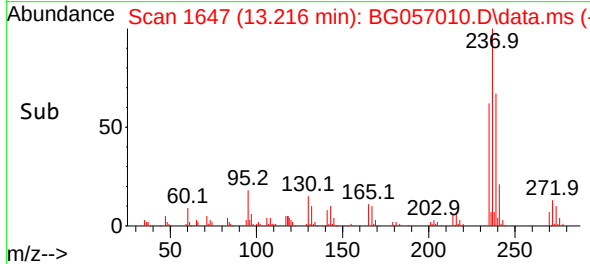
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



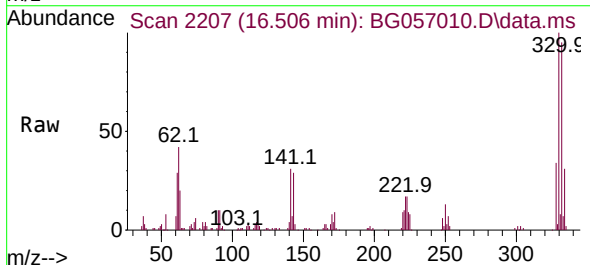
Tgt Ion: 237 Resp: 98809  
Ion Ratio Lower Upper  
237 100  
235 61.8 45.9 85.9  
272 12.9 0.0 32.3

Manual Integrations  
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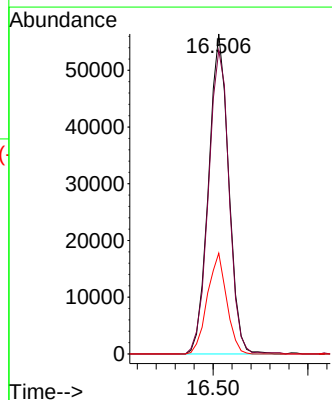
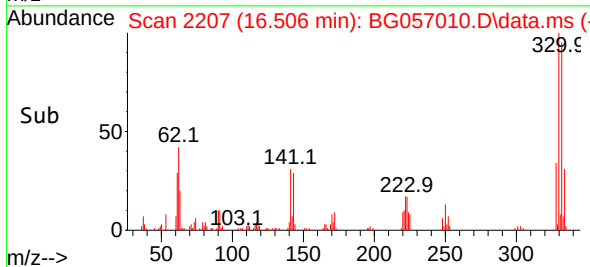
Reviewed By : Christian Giraldo 04/07/2023  
Supervised By : Jagrut Upadhyay 04/07/2023



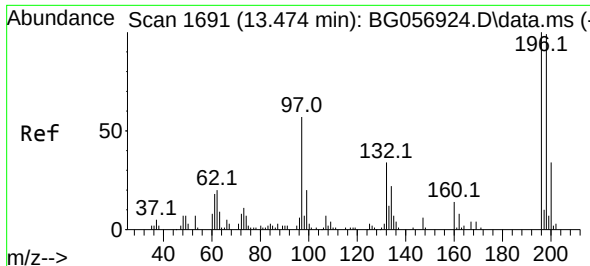
#42  
2,4,6-Tribromophenol  
Concen: 108.075 ng  
RT: 16.506 min Scan# 2207  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion: 330 Resp: 83060  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.1 114.1  
141 30.2 25.8 38.6







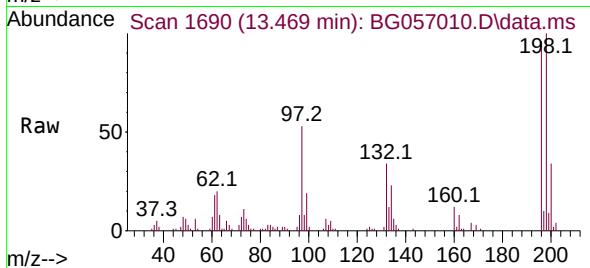
#43  
2,4,6-Trichlorophenol  
Concen: 42.614 ng  
RT: 13.469 min Scan# 1691  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

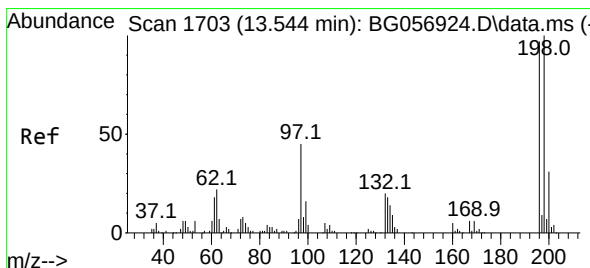
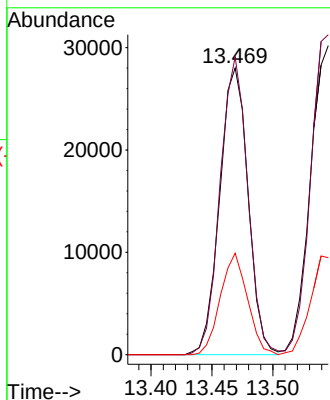
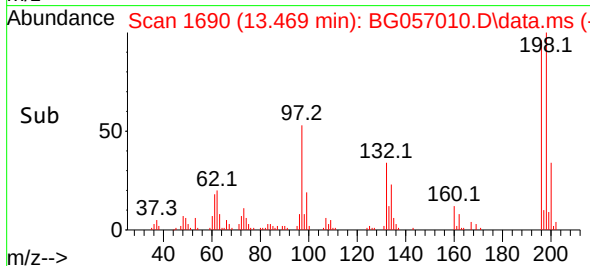


Tgt Ion:196 Resp: 45366  
Ion Ratio Lower Upper  
196 100  
198 103.9 79.1 118.7  
200 35.3 27.2 40.8

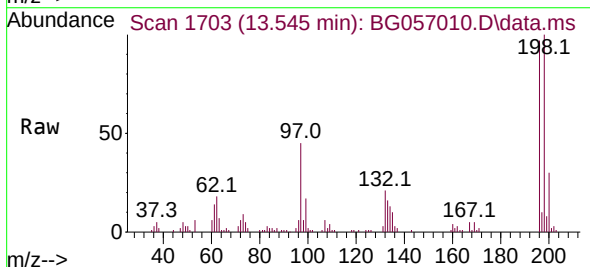
Manual Integrations

APPROVED

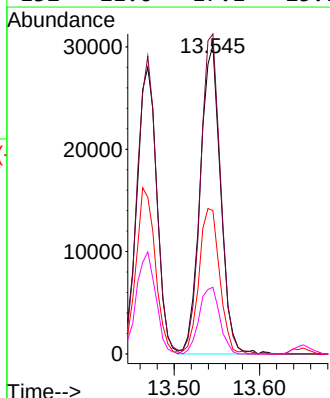
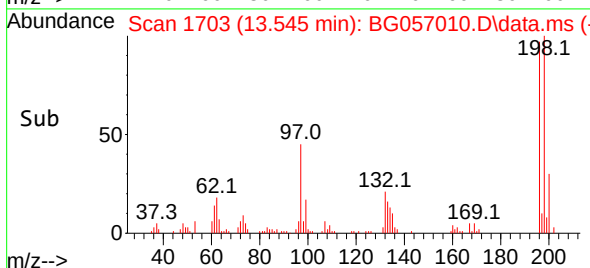
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

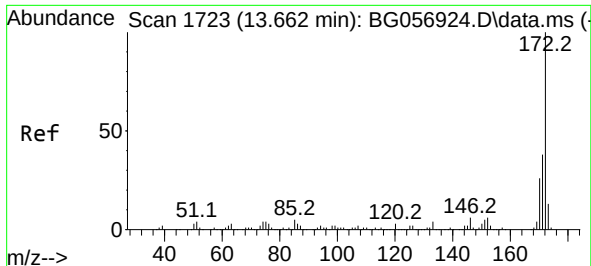


#44  
2,4,5-Trichlorophenol  
Concen: 39.676 ng  
RT: 13.545 min Scan# 1703  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:196 Resp: 50037  
Ion Ratio Lower Upper  
196 100  
198 103.5 82.5 123.7  
97 46.4 37.0 55.6  
132 21.6 17.1 25.7





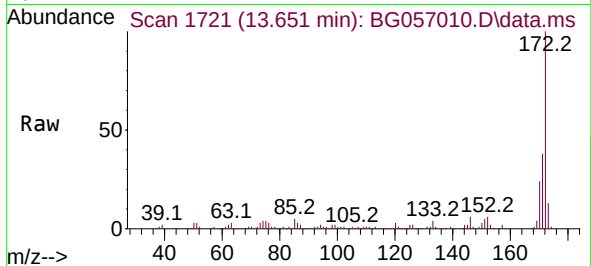
#45  
2-Fluorobiphenyl  
Concen: 66.799 ng  
RT: 13.651 min Scan# 1721  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

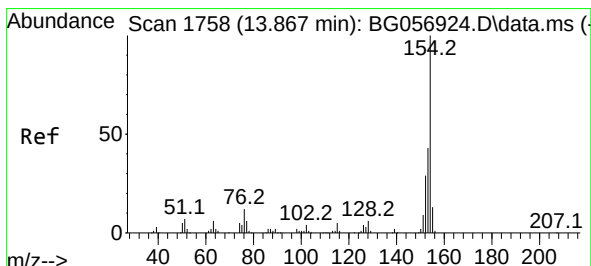
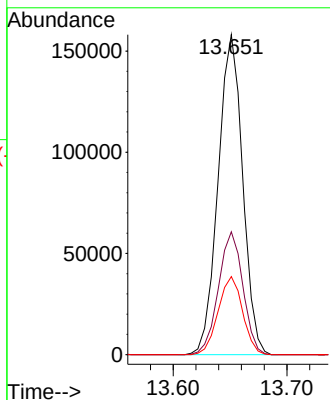
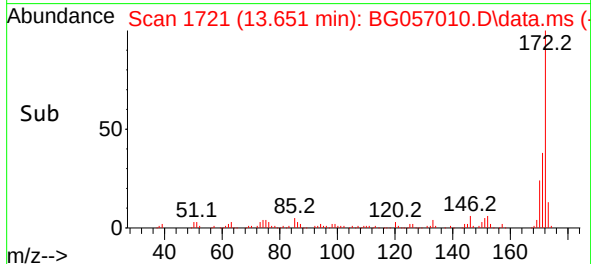


Tgt Ion:172 Resp: 236988  
Ion Ratio Lower Upper  
172 100  
171 38.4 30.6 46.0  
170 24.4 20.6 30.8

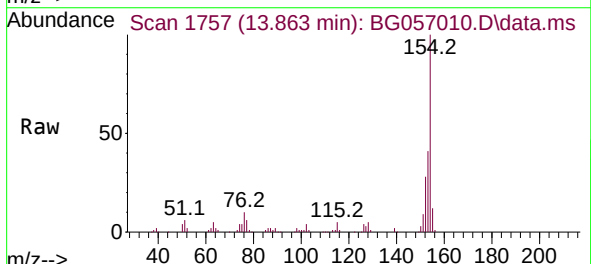
Manual Integrations

APPROVED

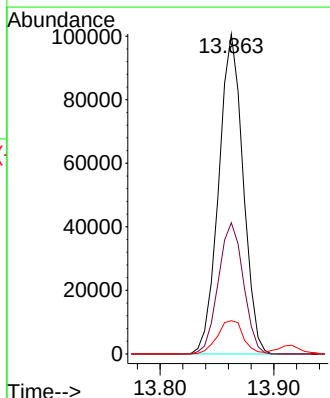
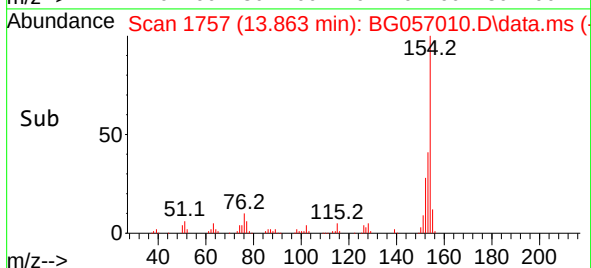
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

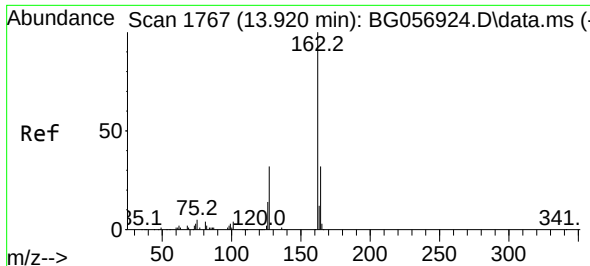


#46  
1,1'-Biphenyl  
Concen: 42.492 ng  
RT: 13.863 min Scan# 1757  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:154 Resp: 149641  
Ion Ratio Lower Upper  
154 100  
153 41.0 23.4 63.4  
76 10.4 0.0 31.6





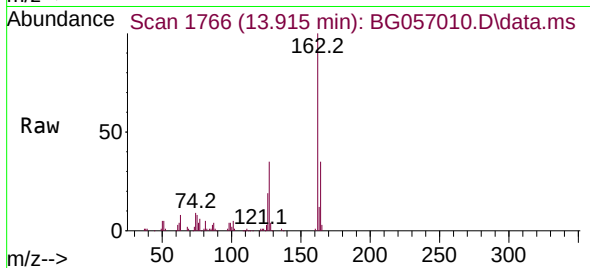
#47  
2-Chloronaphthalene  
Concen: 43.371 ng  
RT: 13.915 min Scan# 1766  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

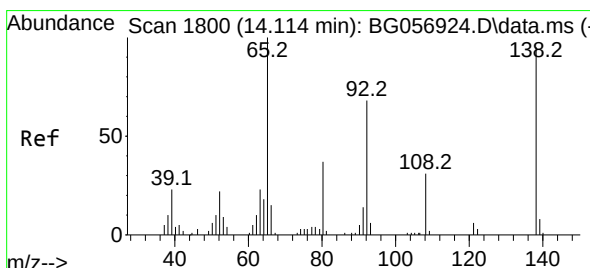
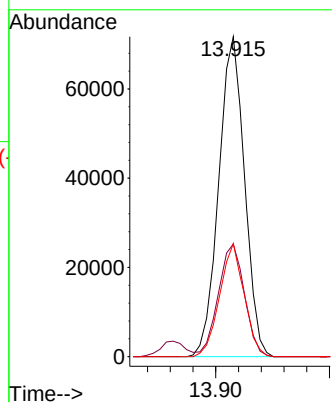
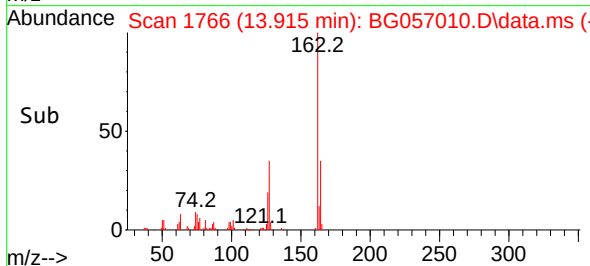


Tgt Ion:162 Resp: 112965  
Ion Ratio Lower Upper  
162 100  
127 35.2 29.5 44.3  
164 35.3 25.5 38.3

Manual Integrations

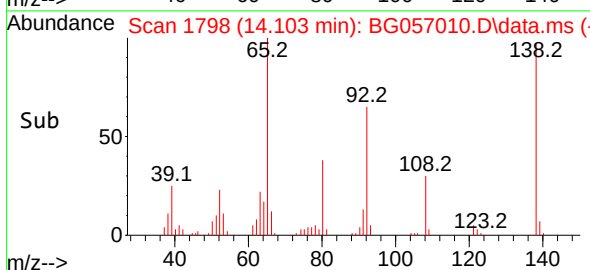
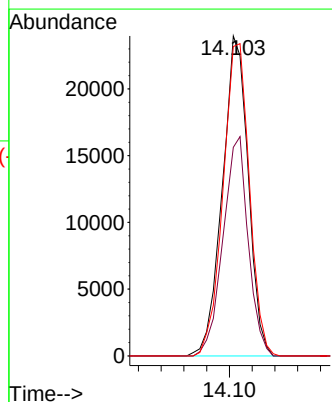
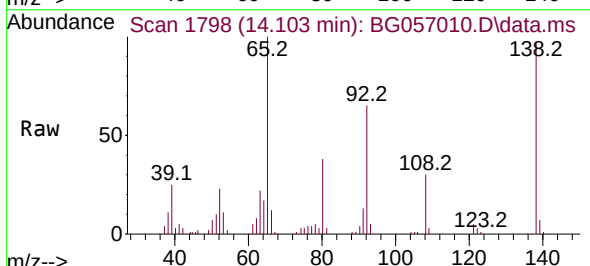
APPROVED

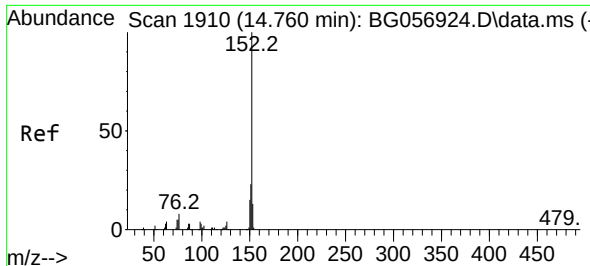
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#48  
2-Nitroaniline  
Concen: 40.528 ng  
RT: 14.103 min Scan# 1798  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion: 65 Resp: 37745  
Ion Ratio Lower Upper  
65 100  
92 65.2 54.3 81.5  
138 96.7 76.0 114.0





#49  
Acenaphthylene  
Concen: 42.332 ng  
RT: 14.755 min Scan# 1910  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

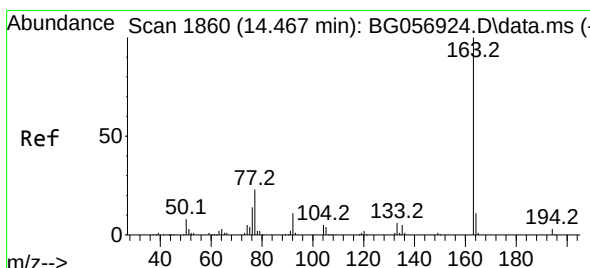
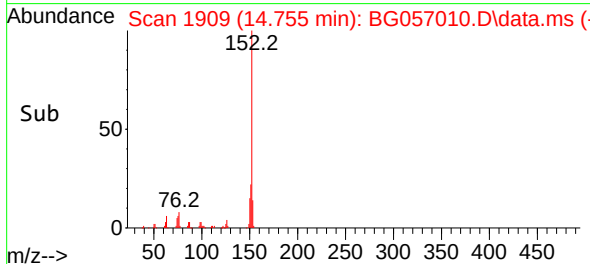
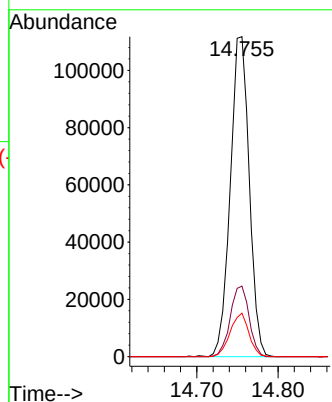
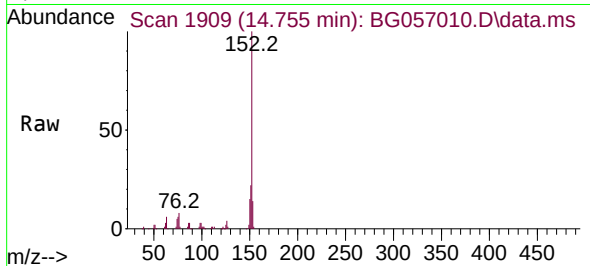
ClientSampleId :

PB151924BS

Tgt Ion:152 Resp: 181152  
Ion Ratio Lower Upper  
152 100  
151 22.0 18.2 27.2  
153 13.6 10.5 15.7

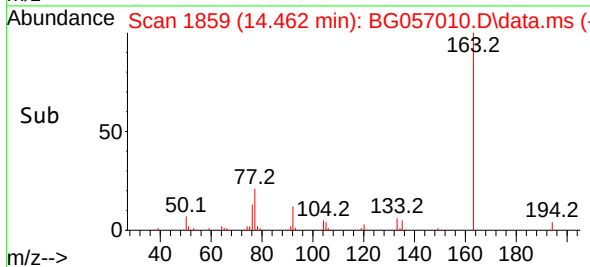
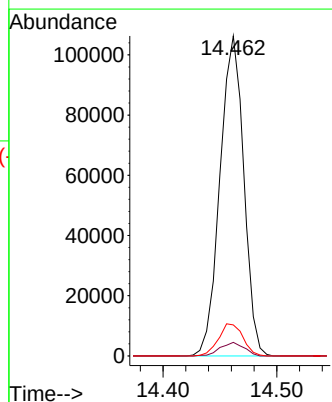
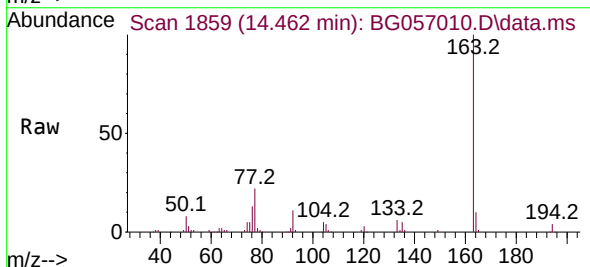
Manual Integrations  
APPROVED

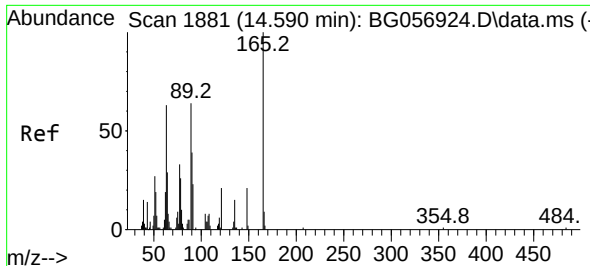
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#50  
Dimethylphthalate  
Concen: 40.732 ng  
RT: 14.462 min Scan# 1859  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

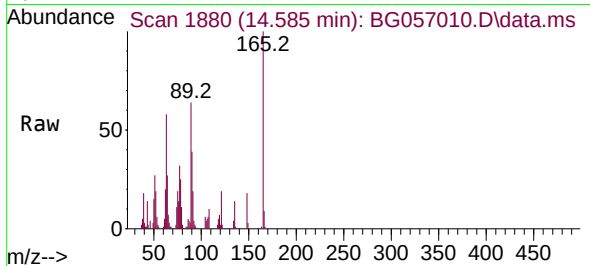
Tgt Ion:163 Resp: 154397  
Ion Ratio Lower Upper  
163 100  
194 4.3 2.8 4.2#  
164 9.7 8.8 13.2





#51  
2,6-Dinitrotoluene  
Concen: 41.882 ng  
RT: 14.585 min Scan# 1881  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

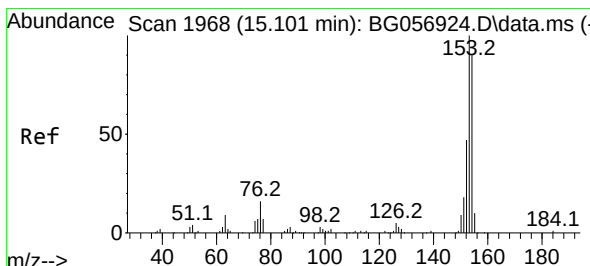
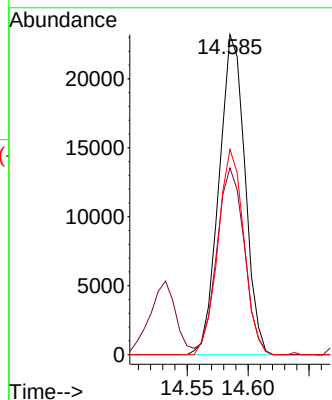
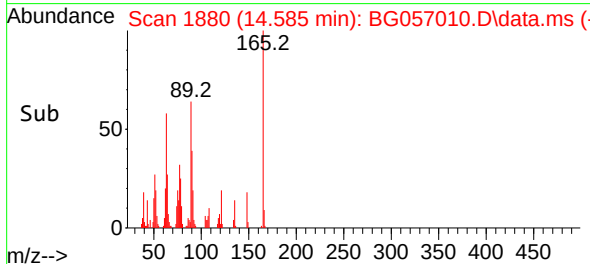
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion:165 Resp: 34301  
Ion Ratio Lower Upper  
165 100  
63 58.3 53.0 79.6  
89 64.1 51.0 76.4

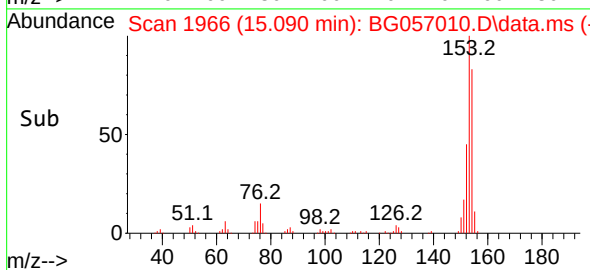
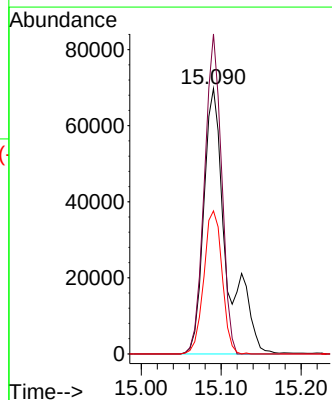
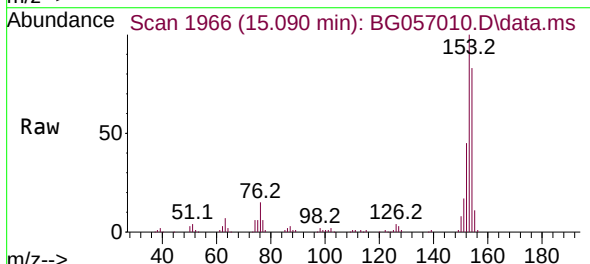
Manual Integrations  
APPROVED

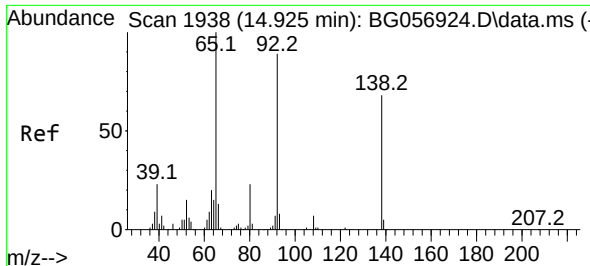
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#52  
Acenaphthene  
Concen: 46.992 ng m  
RT: 15.090 min Scan# 1966  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

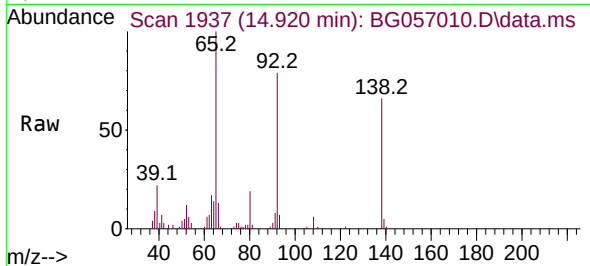
Tgt Ion:154 Resp: 138691  
Ion Ratio Lower Upper  
154 100  
153 120.6 88.9 133.3  
152 53.9 41.8 62.8





#53  
3-Nitroaniline  
Concen: 29.531 ng  
RT: 14.920 min Scan# 1938  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

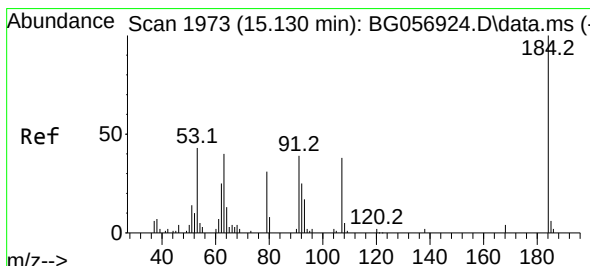
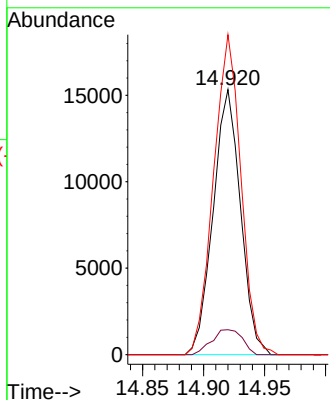
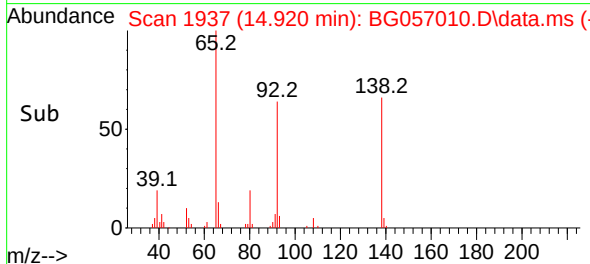
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



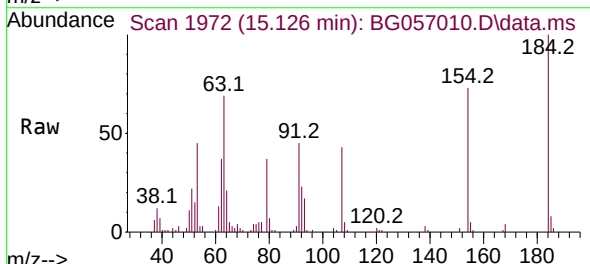
Tgt Ion:138 Resp: 23939  
Ion Ratio Lower Upper  
138 100  
108 9.4 8.2 12.2  
92 120.7 105.2 157.8

Manual Integrations  
APPROVED

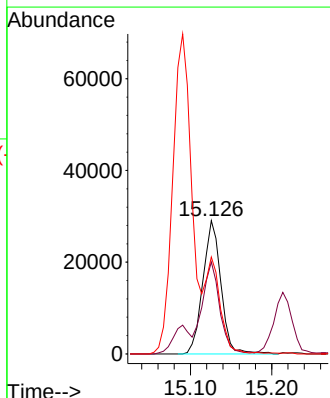
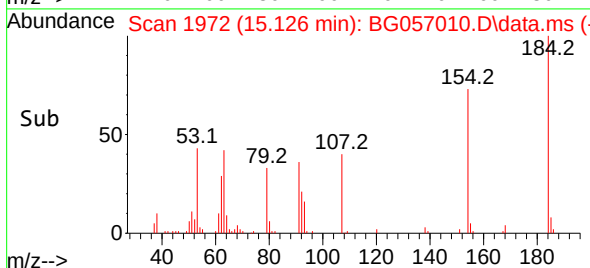
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

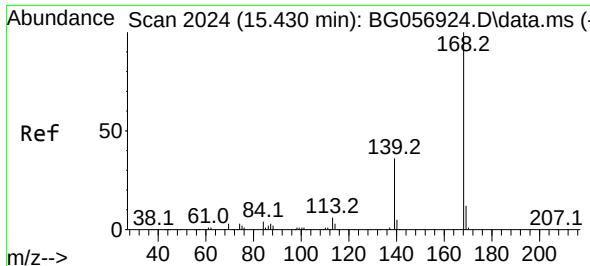


#54  
2,4-Dinitrophenol  
Concen: 97.466 ng  
RT: 15.126 min Scan# 1972  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



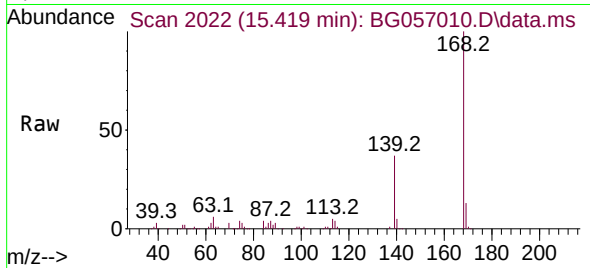
Tgt Ion:184 Resp: 44930  
Ion Ratio Lower Upper  
184 100  
63 69.0 46.5 69.7  
154 72.7 53.5 80.3





#55  
Dibenzofuran  
Concen: 41.651 ng  
RT: 15.419 min Scan# 2024  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

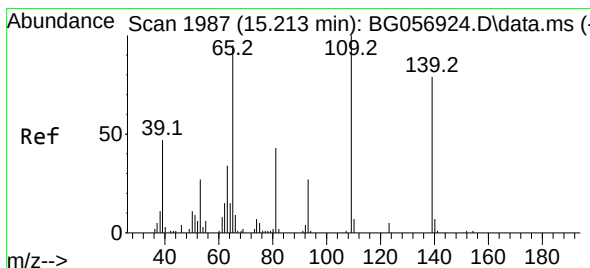
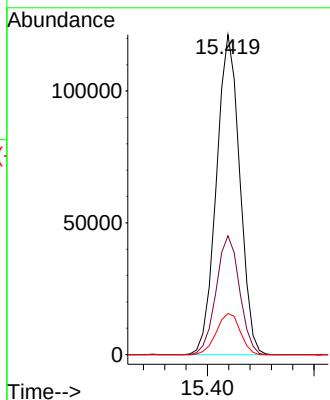
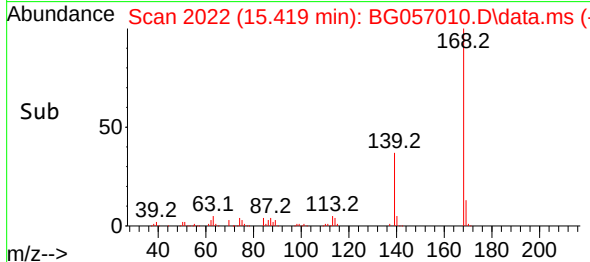
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion:168 Resp: 184502  
Ion Ratio Lower Upper  
168 100  
139 37.1 28.9 43.3  
169 12.8 9.8 14.6

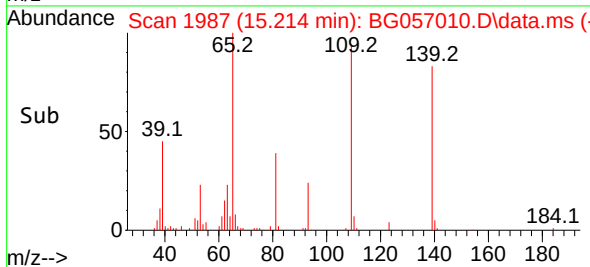
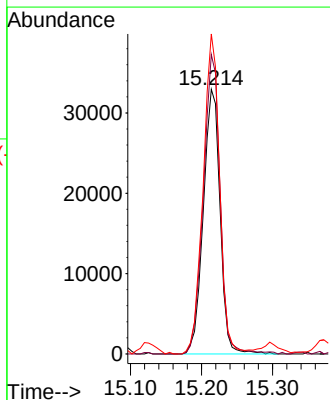
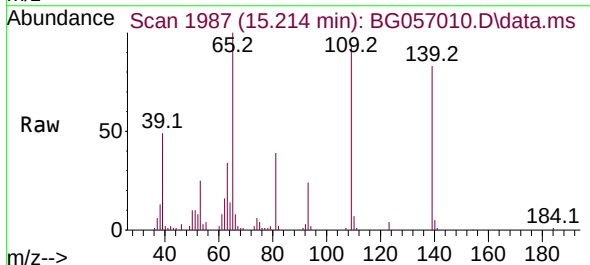
Manual Integrations  
APPROVED

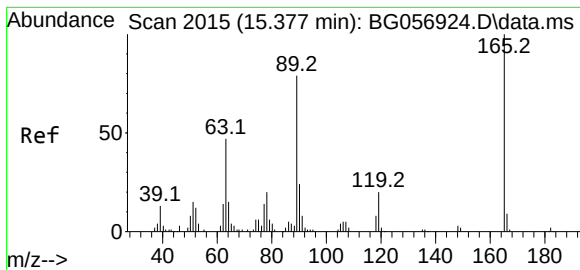
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#56  
4-Nitrophenol  
Concen: 89.816 ng  
RT: 15.214 min Scan# 1987  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:139 Resp: 53840  
Ion Ratio Lower Upper  
139 100  
109 113.1 106.7 146.7  
65 120.9 100.5 140.5





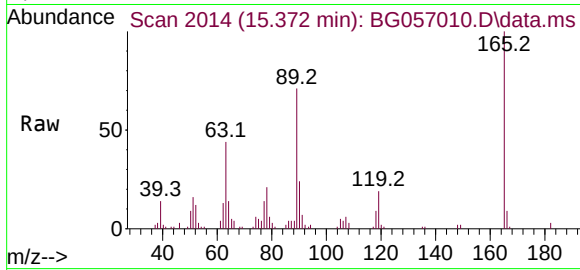
#57  
2,4-Dinitrotoluene  
Concen: 41.403 ng  
RT: 15.372 min Scan# 2015  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

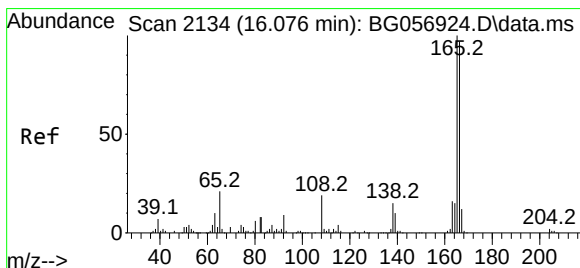
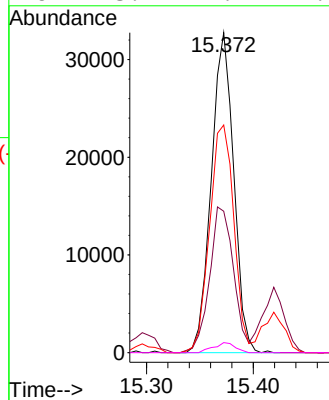
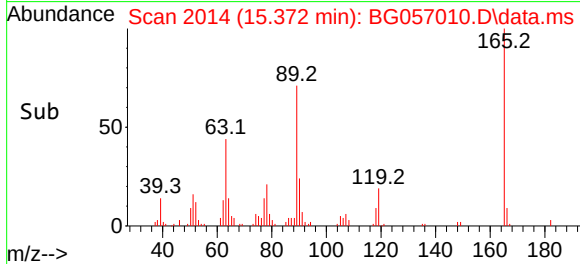


Tgt Ion:165 Resp: 47824  
Ion Ratio Lower Upper  
165 100  
63 44.2 37.7 56.5  
89 71.1 63.2 94.8  
182 3.1 1.7 2.5#

Manual Integrations

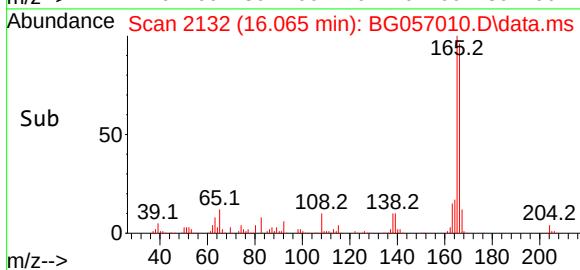
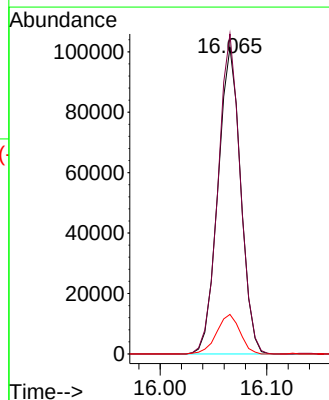
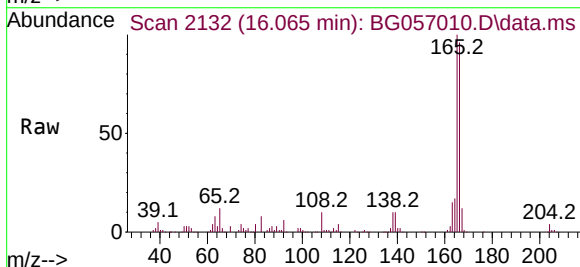
APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

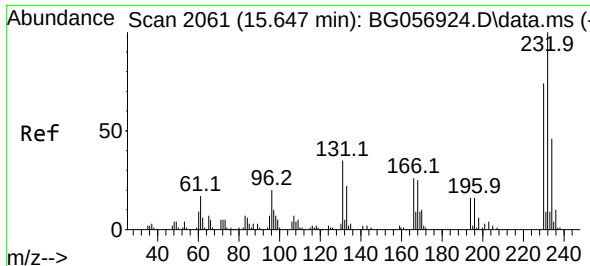


#58  
Fluorene  
Concen: 40.997 ng  
RT: 16.065 min Scan# 2132  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:166 Resp: 150276  
Ion Ratio Lower Upper  
166 100  
165 104.3 82.6 123.8  
167 12.9 10.2 15.2







#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.578 ng  
RT: 15.642 min Scan# 2061  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

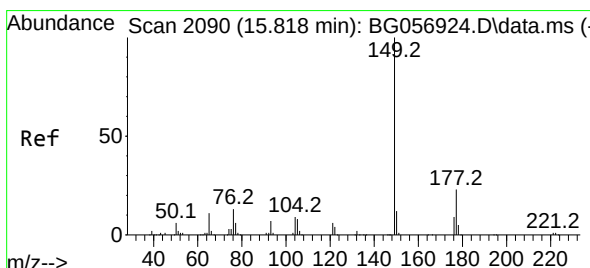
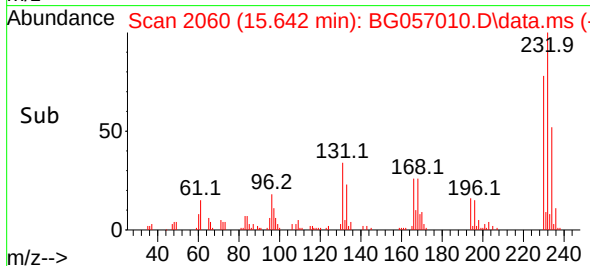
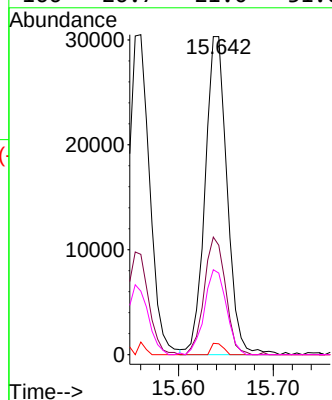
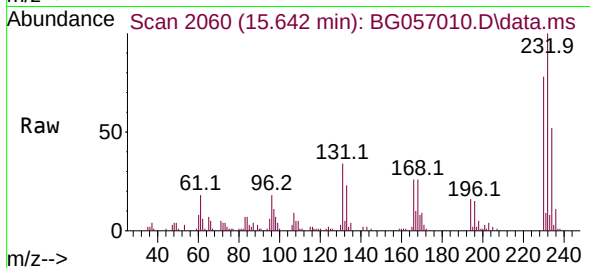
PB151924BS

Tgt Ion:232 Resp: 48891  
Ion Ratio Lower Upper  
232 100  
131 35.8 29.3 43.9  
130 1.9 1.7 2.5  
166 26.7 21.0 31.6

Manual Integrations

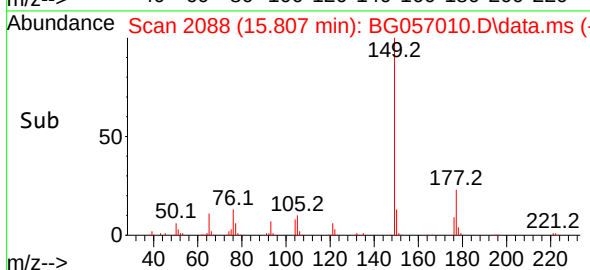
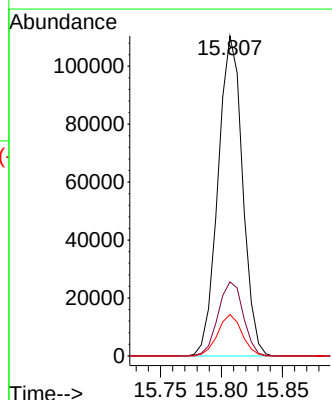
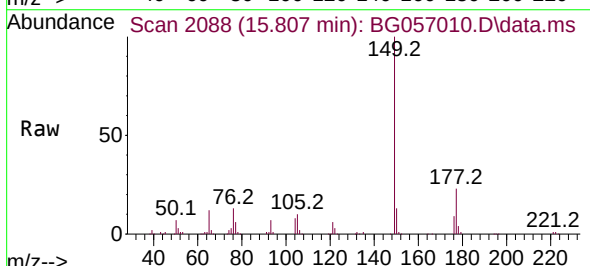
APPROVED

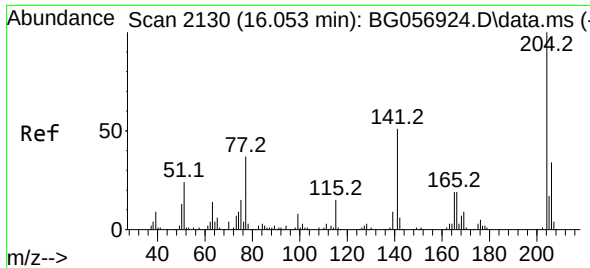
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#60  
Diethylphthalate  
Concen: 40.620 ng  
RT: 15.807 min Scan# 2088  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:149 Resp: 154356  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.8 28.2  
150 12.9 9.4 14.2





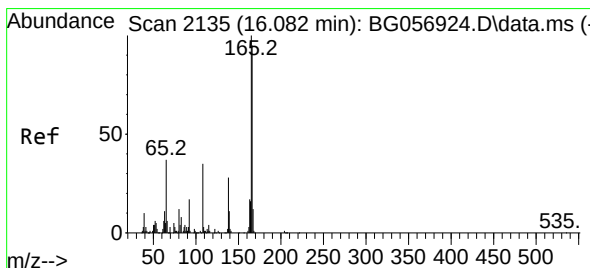
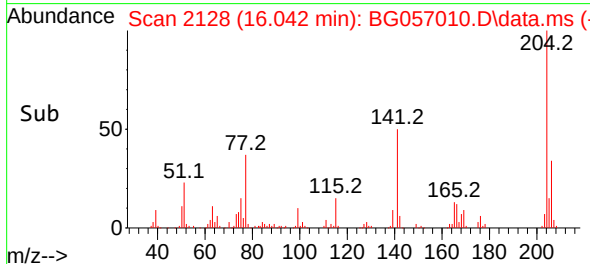
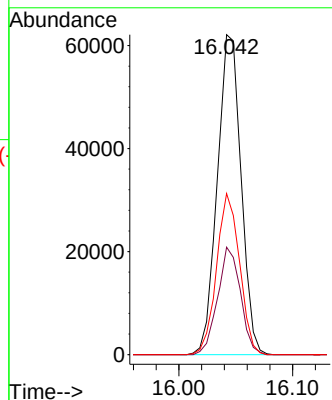
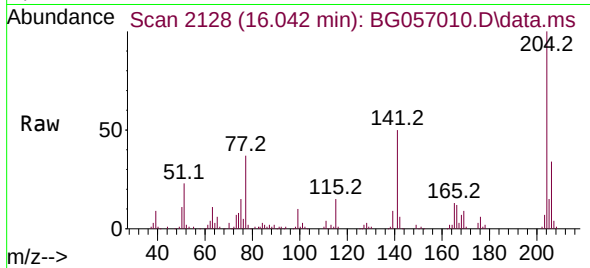
#61  
4-Chlorophenyl-phenylether  
Concen: 41.857 ng  
RT: 16.042 min Scan# 2130  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS

Tgt Ion:204 Resp: 90083  
Ion Ratio Lower Upper  
204 100  
206 33.6 27.2 40.8  
141 50.3 40.7 61.1

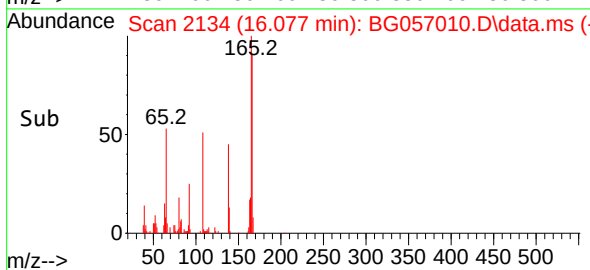
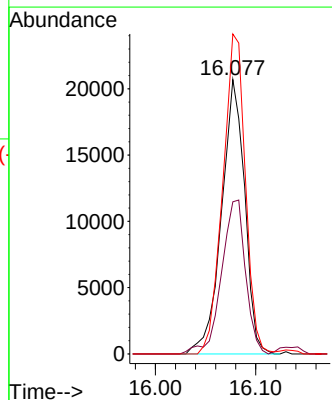
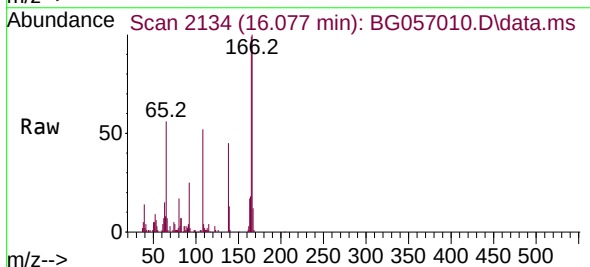
Manual Integrations  
APPROVED

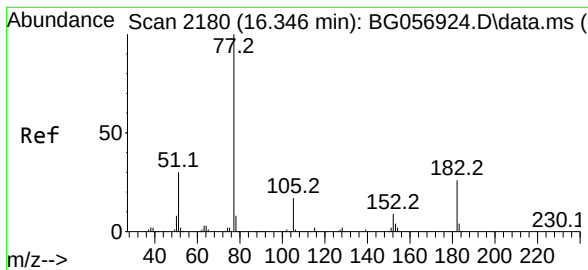
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#62  
4-Nitroaniline  
Concen: 39.487 ng  
RT: 16.077 min Scan# 2134  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:138 Resp: 33165  
Ion Ratio Lower Upper  
138 100  
92 55.4 40.9 80.9  
108 116.7 104.3 144.3





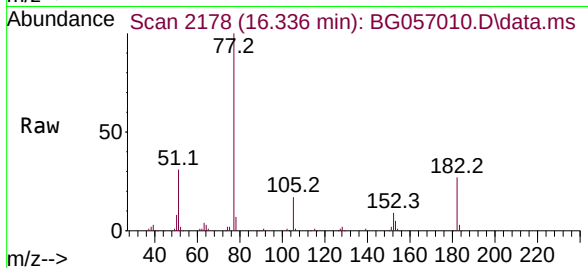
#63  
Azobenzene  
Concen: 40.131 ng  
RT: 16.336 min Scan# 2180  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

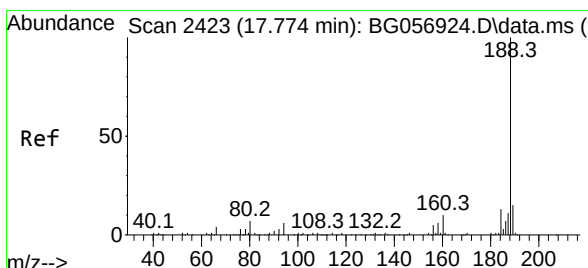
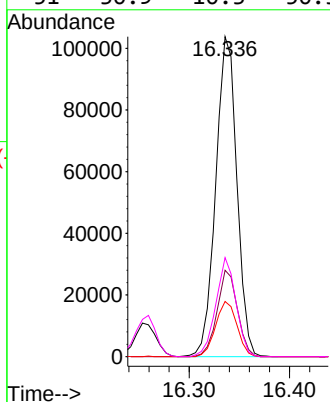
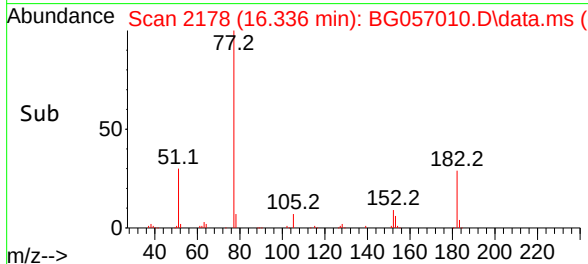


Tgt Ion: 77 Resp: 151977  
Ion Ratio Lower Upper  
77 100  
182 27.0 5.9 45.9  
105 17.2 0.0 36.8  
51 30.9 10.3 50.3

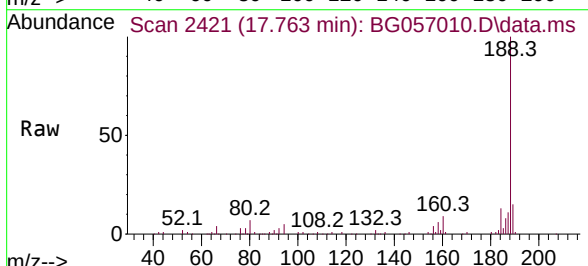
Manual Integrations

APPROVED

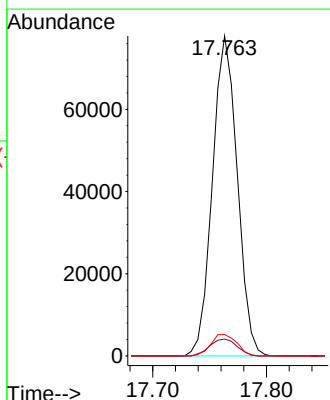
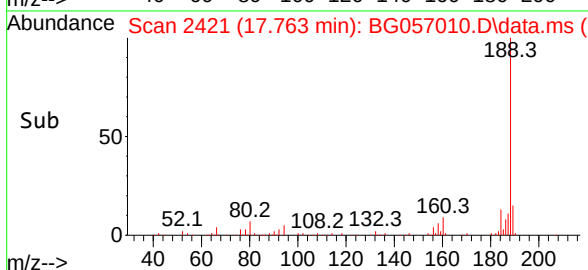
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

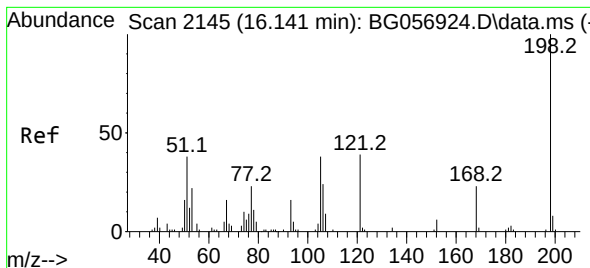


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.763 min Scan# 2421  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:188 Resp: 118067  
Ion Ratio Lower Upper  
188 100  
94 5.3 4.6 6.8  
80 6.7 5.5 8.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.298 ng  
RT: 16.136 min Scan# 2144  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

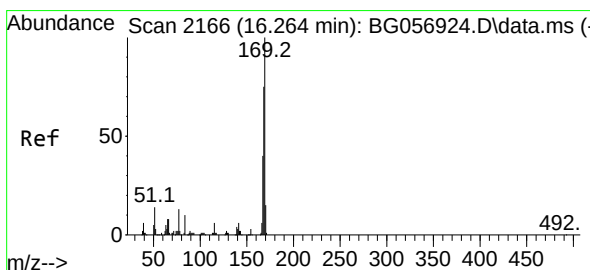
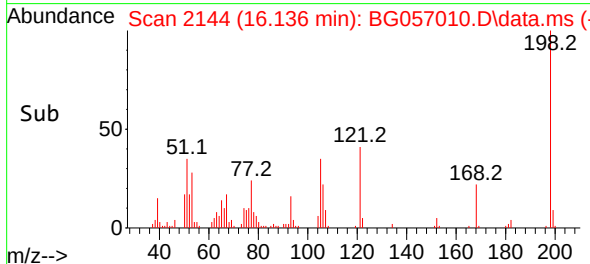
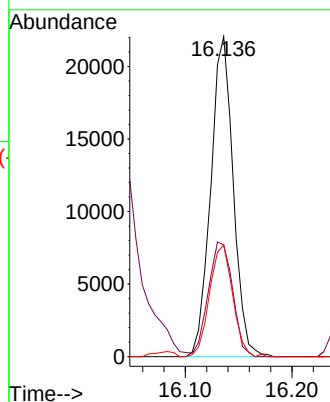
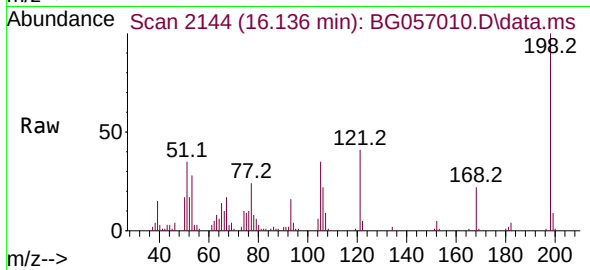
PB151924BS

Tgt Ion:198 Resp: 32391  
Ion Ratio Lower Upper  
198 100  
51 34.9 20.5 60.5  
105 34.9 18.1 58.1

Manual Integrations

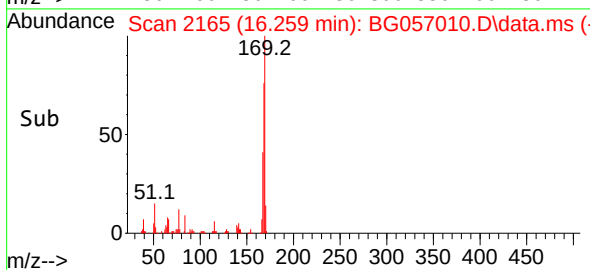
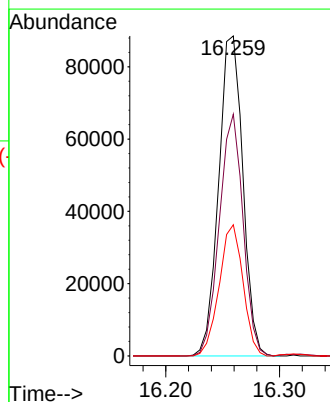
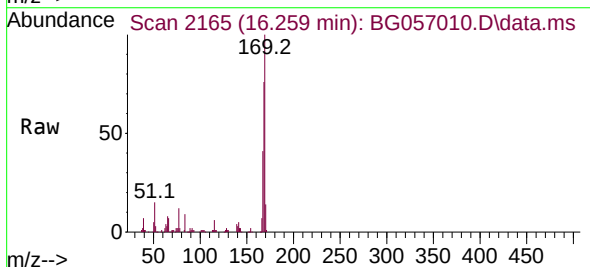
APPROVED

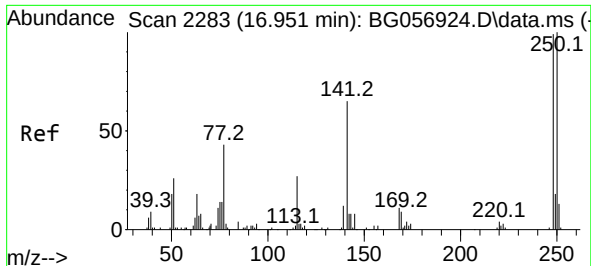
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#66  
n-Nitrosodiphenylamine  
Concen: 41.318 ng  
RT: 16.259 min Scan# 2165  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:169 Resp: 130954  
Ion Ratio Lower Upper  
169 100  
168 75.5 59.6 89.4  
167 41.0 31.8 47.8





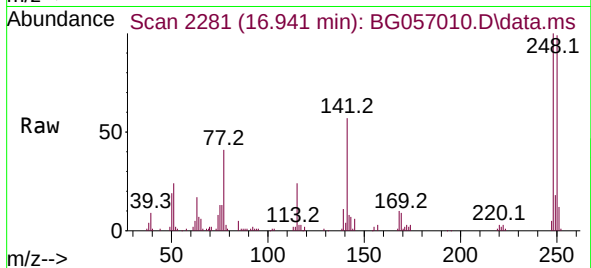
#67  
4-Bromophenyl-phenylether  
Concen: 40.885 ng  
RT: 16.941 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

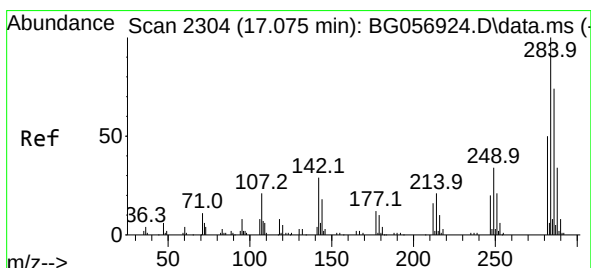
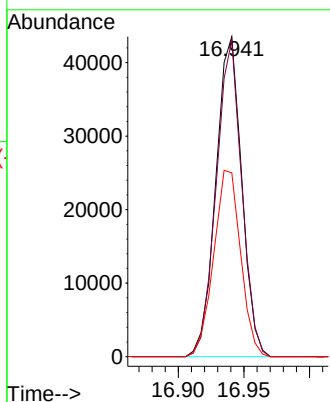
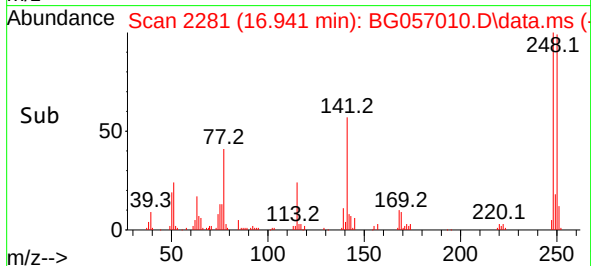


Tgt Ion:248 Resp: 59728  
Ion Ratio Lower Upper  
248 100  
250 98.9 80.5 120.7  
141 57.4 52.0 78.0

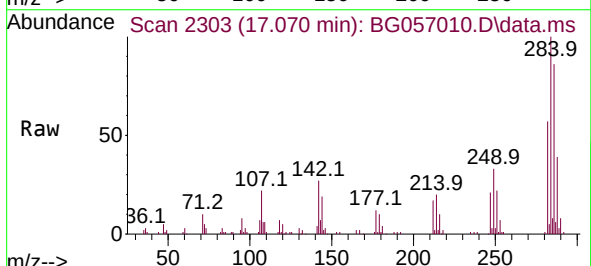
Manual Integrations

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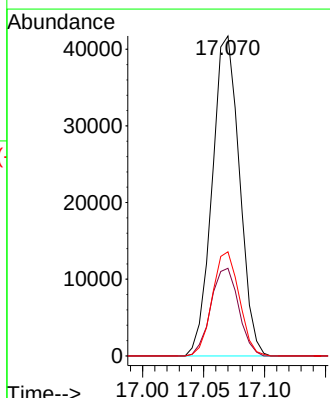
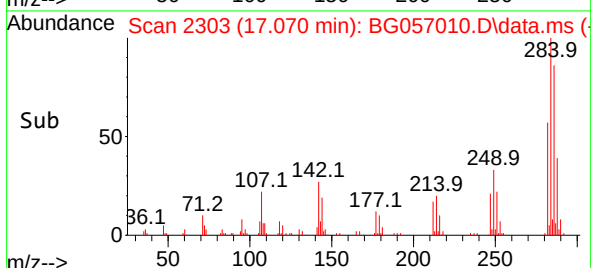
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

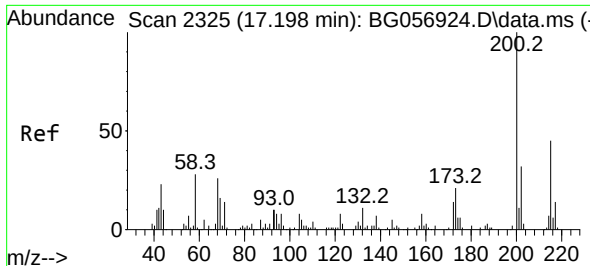


#68  
Hexachlorobenzene  
Concen: 45.001 ng  
RT: 17.070 min Scan# 2303  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



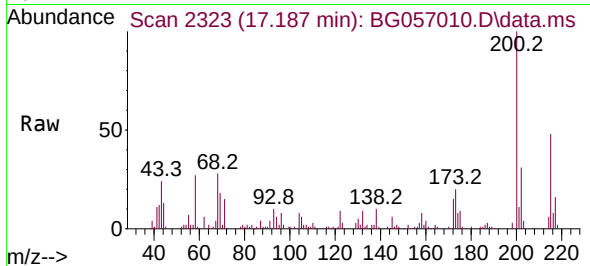
Tgt Ion:284 Resp: 64995  
Ion Ratio Lower Upper  
284 100  
142 27.4 23.0 34.4  
249 32.5 27.1 40.7





#69  
 Atrazine  
 Concen: 44.133 ng  
 RT: 17.187 min Scan# 2323  
 Delta R.T. -0.002 min  
 Lab File: BG057010.D  
 Acq: 6 Apr 2023 13:20

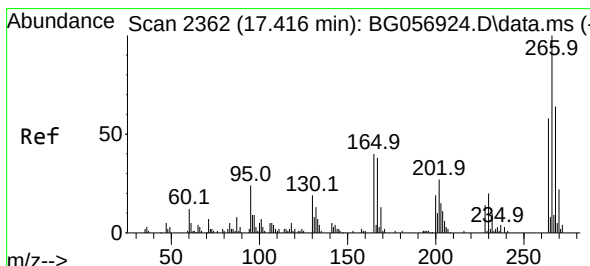
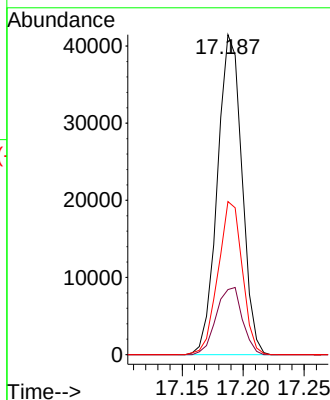
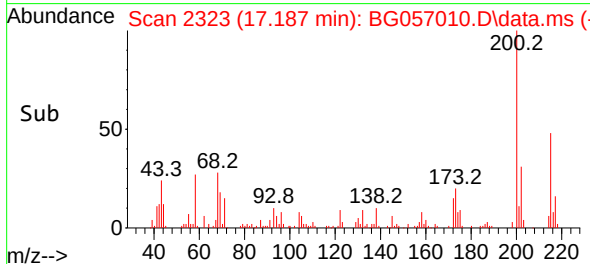
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB151924BS



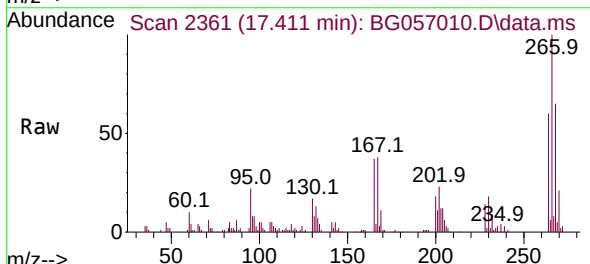
Tgt Ion:200 Resp: 58063  
 Ion Ratio Lower Upper  
 200 100  
 173 20.3 1.0 41.0  
 215 47.8 25.0 65.0

Manual Integrations  
 APPROVED

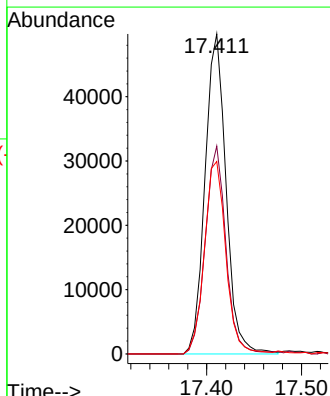
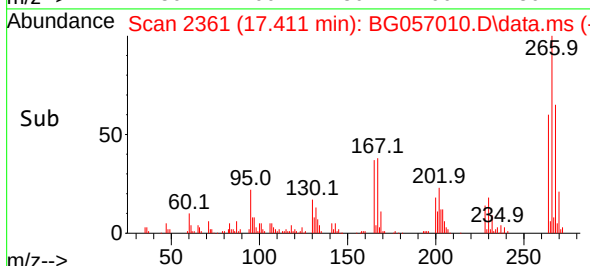
Reviewed By :Christian Giraldo 04/07/2023  
 Supervised By :Jagrut Upadhyay 04/07/2023

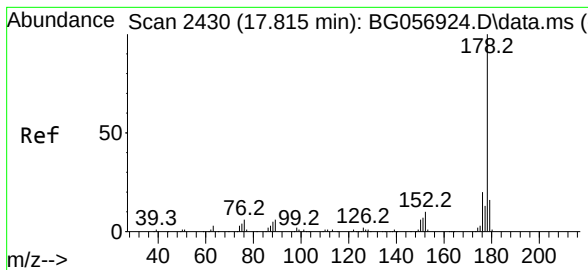


#70  
 Pentachlorophenol  
 Concen: 74.027 ng  
 RT: 17.411 min Scan# 2361  
 Delta R.T. 0.004 min  
 Lab File: BG057010.D  
 Acq: 6 Apr 2023 13:20



Tgt Ion:266 Resp: 76704  
 Ion Ratio Lower Upper  
 266 100  
 268 64.9 51.0 76.6  
 264 60.1 46.8 70.2





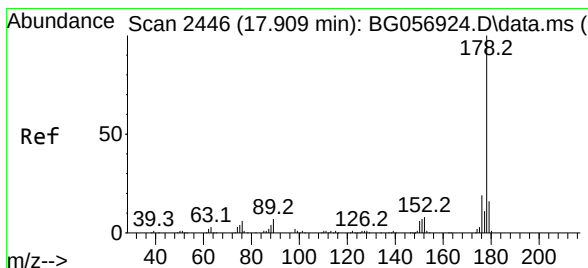
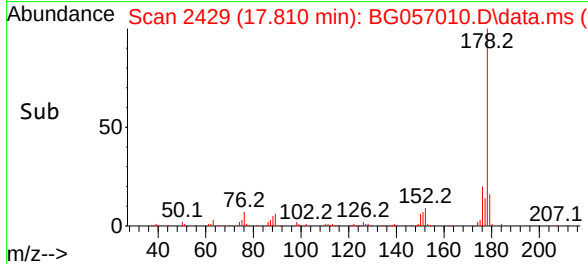
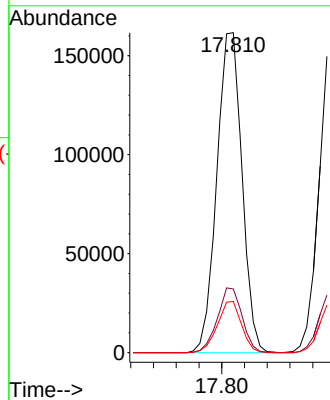
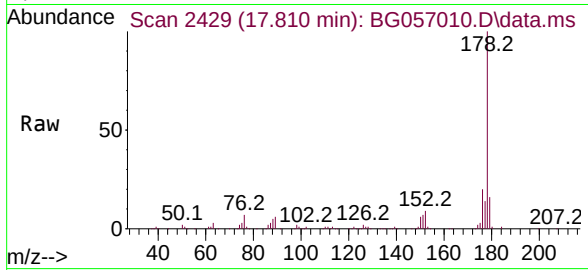
#71  
Phenanthrene  
Concen: 41.253 ng  
RT: 17.810 min Scan# 2430  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS

Tgt Ion:178 Resp: 248326  
Ion Ratio Lower Upper  
178 100  
176 19.9 16.2 24.2  
179 16.0 12.5 18.7

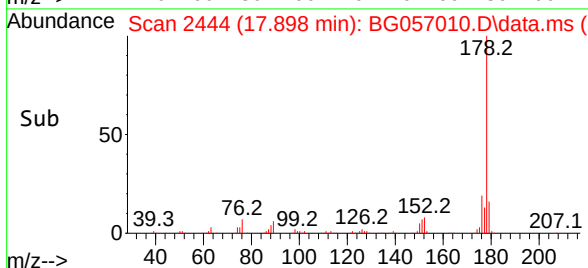
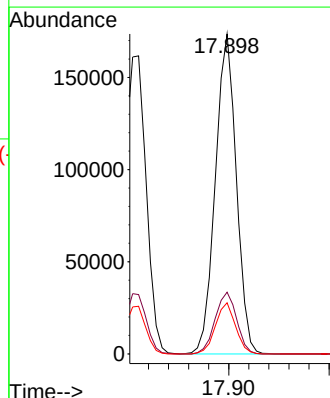
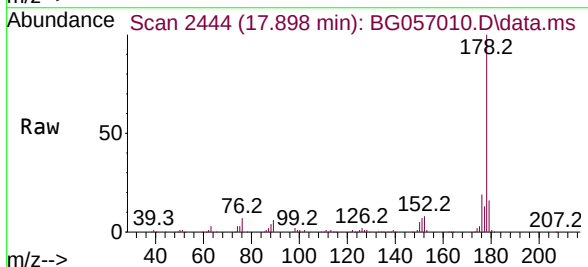
Manual Integrations  
APPROVED

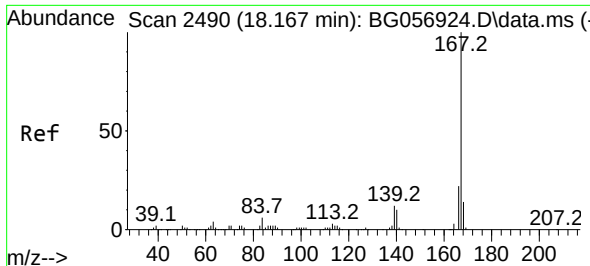
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#72  
Anthracene  
Concen: 40.936 ng  
RT: 17.898 min Scan# 2444  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

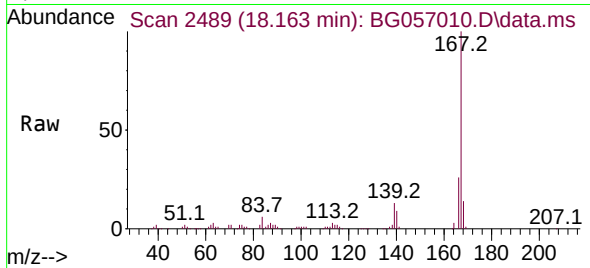
Tgt Ion:178 Resp: 252611  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 16.0 12.4 18.6





#73  
Carbazole  
Concen: 41.266 ng  
RT: 18.163 min Scan# 2490  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

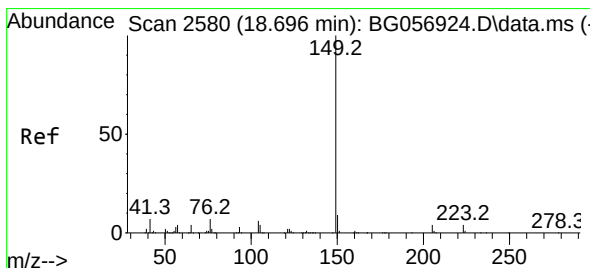
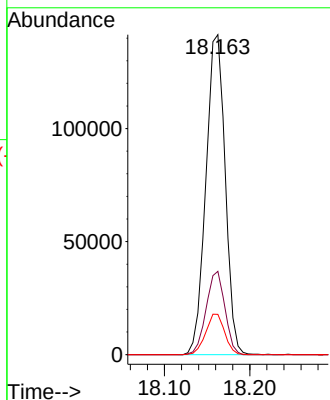
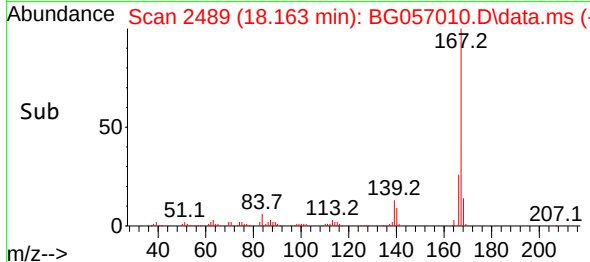
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



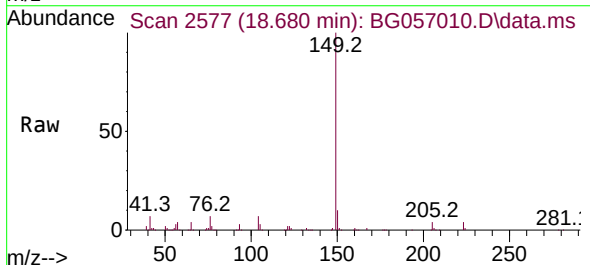
Tgt Ion:167 Resp: 222021  
Ion Ratio Lower Upper  
167 100  
166 26.0 17.9 26.9  
139 12.6 9.5 14.3

Manual Integrations  
APPROVED

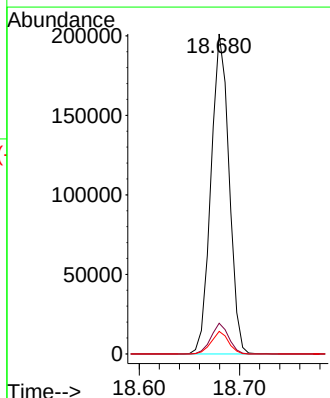
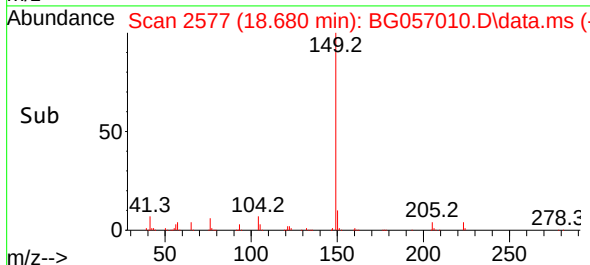
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



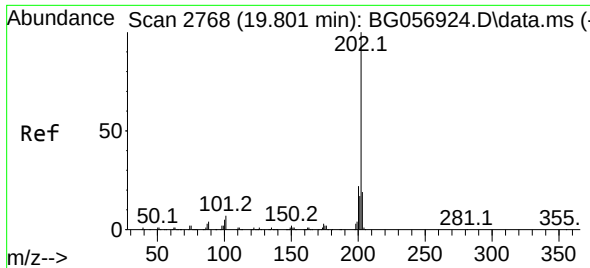
#74  
Di-n-butylphthalate  
Concen: 40.468 ng  
RT: 18.680 min Scan# 2577  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:149 Resp: 252124  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.4 11.0  
104 7.0 4.9 7.3

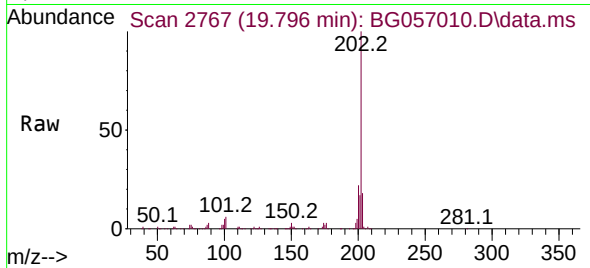






#75  
Fluoranthene  
Concen: 38.160 ng  
RT: 19.796 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

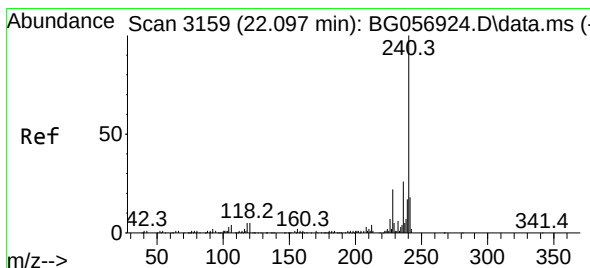
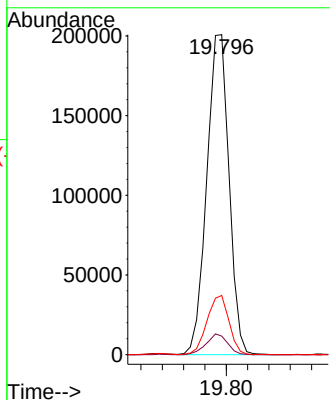
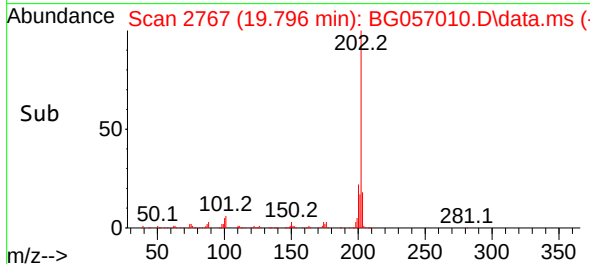
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion:202 Resp: 291187  
Ion Ratio Lower Upper  
202 100  
101 5.8 0.0 26.7  
203 18.5 0.0 39.0

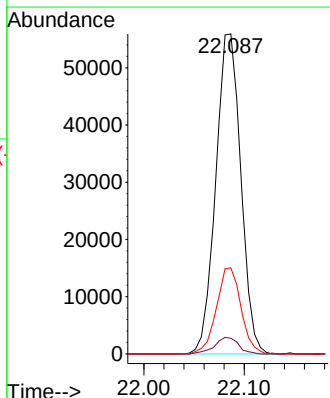
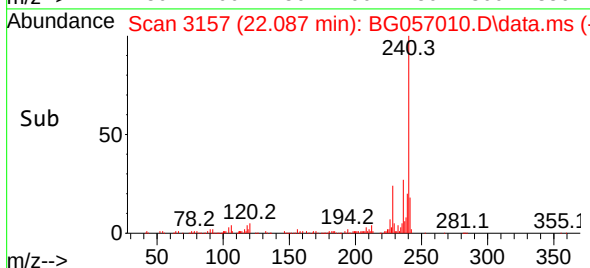
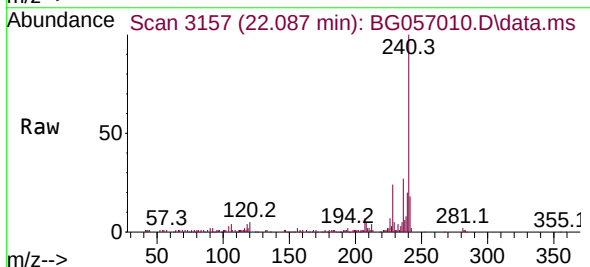
Manual Integrations  
APPROVED

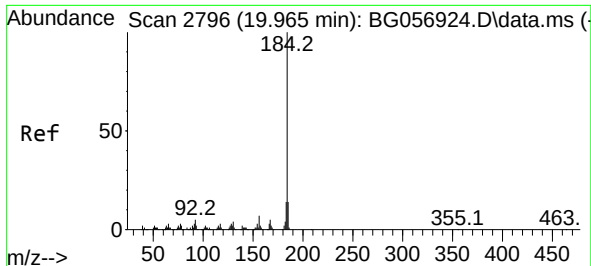
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.087 min Scan# 3157  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

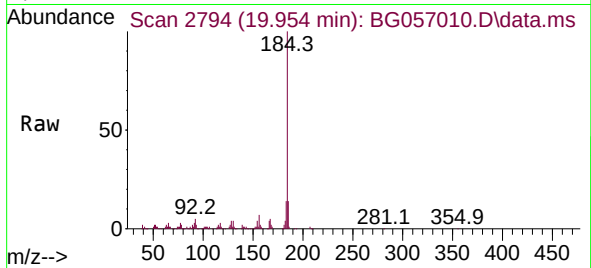
Tgt Ion:240 Resp: 97191  
Ion Ratio Lower Upper  
240 100  
120 4.9 3.8 5.6  
236 26.9 21.0 31.6





#77  
Benzidine  
Concen: 55.190 ng  
RT: 19.954 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

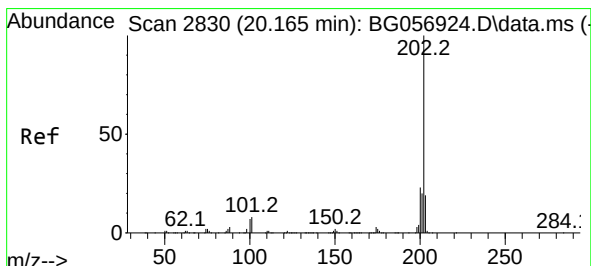
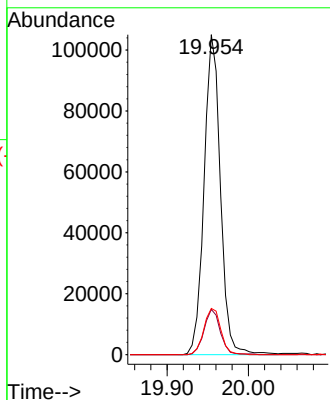
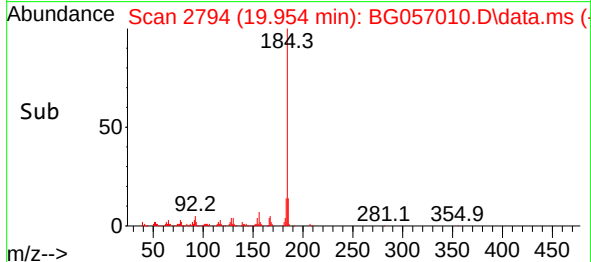
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



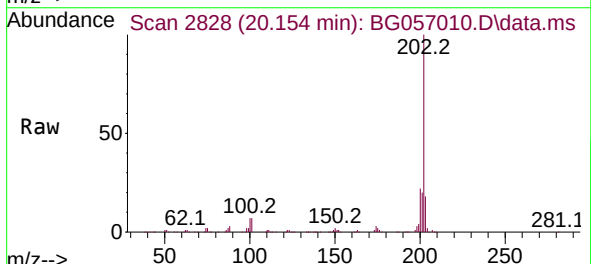
Tgt Ion:184 Resp: 146614  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.0 16.4  
183 14.4 11.4 17.0

Manual Integrations  
APPROVED

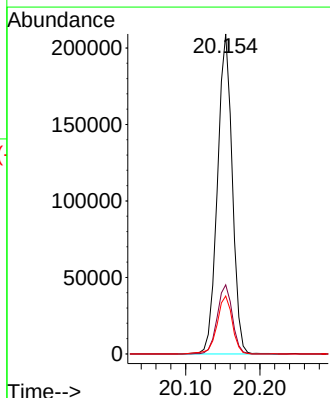
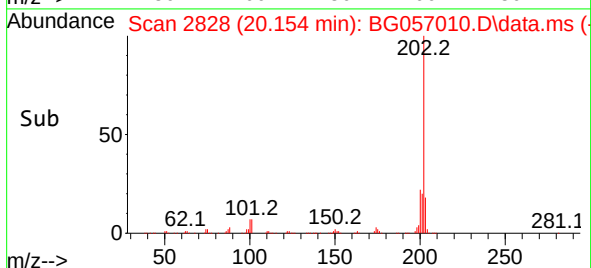
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

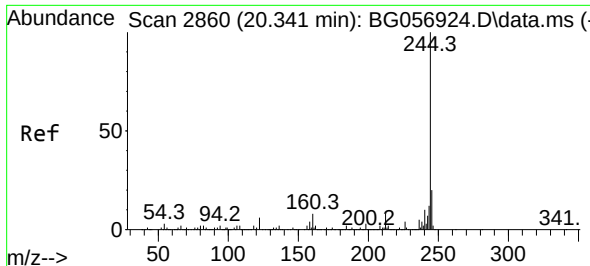


#78  
Pyrene  
Concen: 42.919 ng  
RT: 20.154 min Scan# 2828  
Delta R.T. 0.004 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



Tgt Ion:202 Resp: 288514  
Ion Ratio Lower Upper  
202 100  
200 21.6 18.7 28.1  
203 18.1 15.4 23.2





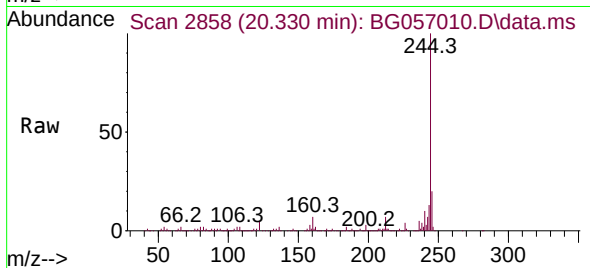
#79  
 Terphenyl-d14  
 Concen: 72.773 ng  
 RT: 20.330 min Scan# 2860  
 Delta R.T. -0.002 min  
 Lab File: BG057010.D  
 Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

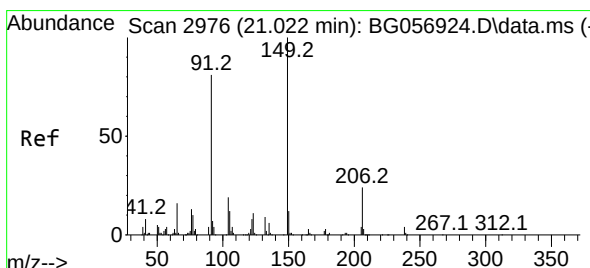
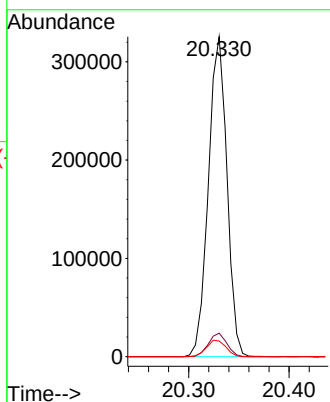
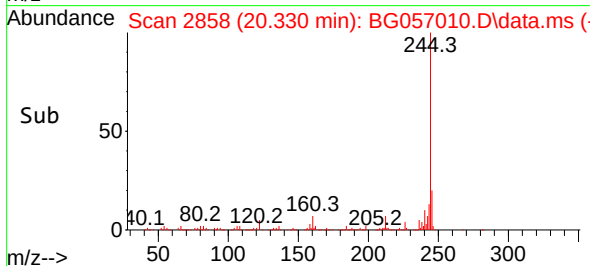


Tgt Ion:244 Resp: 417981  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 4.9 5.0 7.4

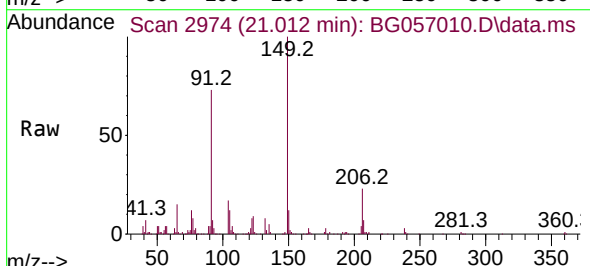
Manual Integrations

APPROVED

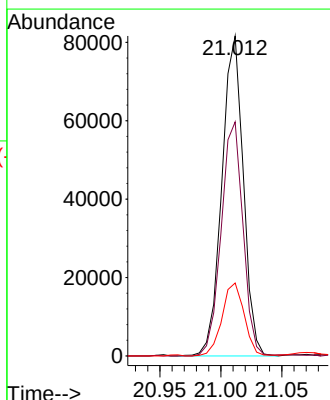
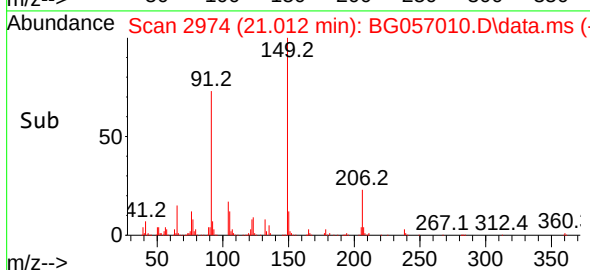
Reviewed By :Christian Giraldo 04/07/2023  
 Supervised By :Jagrut Upadhyay 04/07/2023

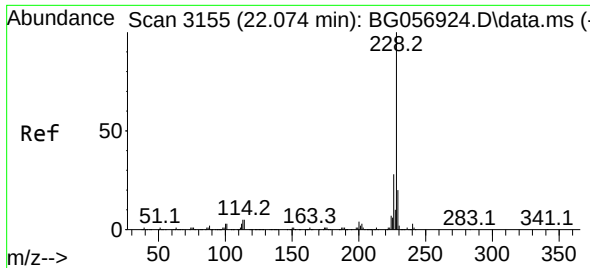


#80  
 Butylbenzylphthalate  
 Concen: 43.165 ng  
 RT: 21.012 min Scan# 2974  
 Delta R.T. 0.004 min  
 Lab File: BG057010.D  
 Acq: 6 Apr 2023 13:20



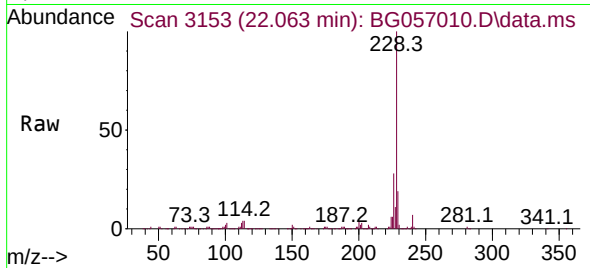
Tgt Ion:149 Resp: 99852  
 Ion Ratio Lower Upper  
 149 100  
 91 73.1 64.4 96.6  
 206 22.8 18.9 28.3





#81  
Benzo(a)anthracene  
Concen: 40.604 ng  
RT: 22.063 min Scan# 3155  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

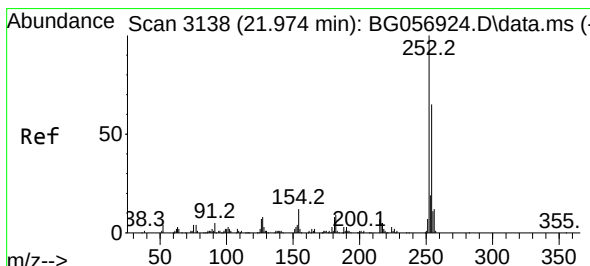
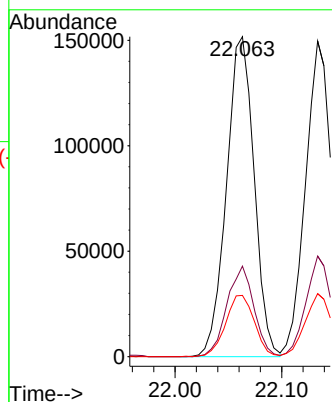
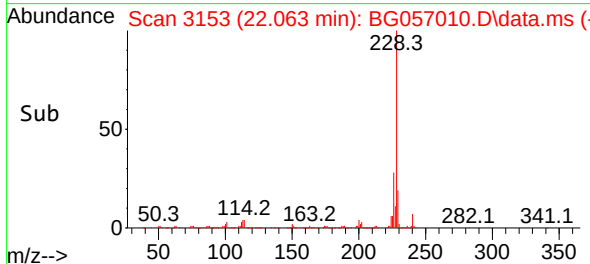
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



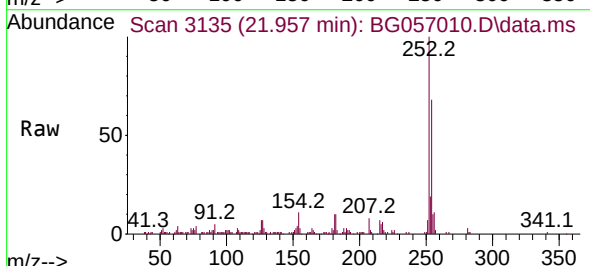
Tgt Ion:228 Resp: 273084  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.1 33.1  
229 19.1 16.1 24.1

Manual Integrations  
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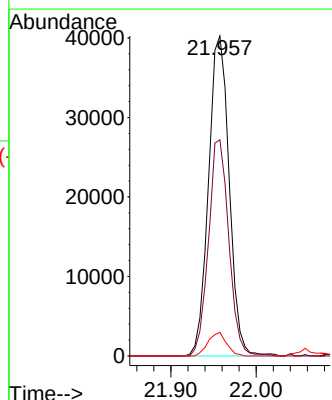
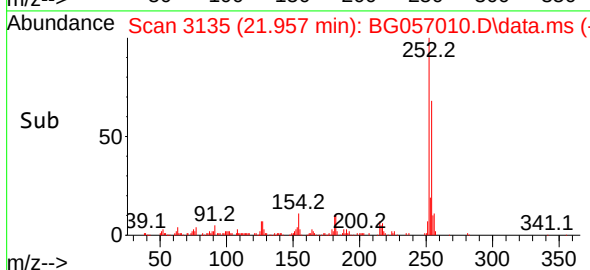
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

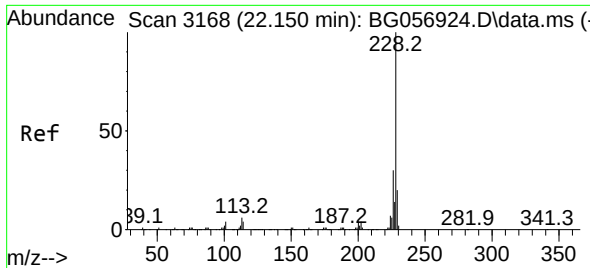


#82  
3,3'-Dichlorobenzidine  
Concen: 29.787 ng  
RT: 21.957 min Scan# 3135  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20



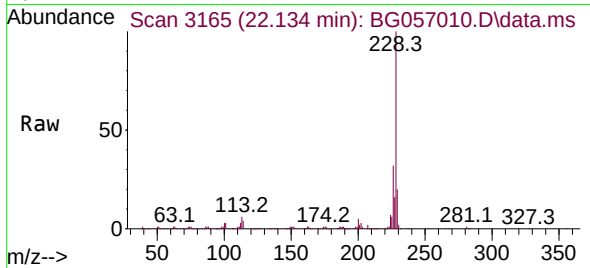
Tgt Ion:252 Resp: 67650  
Ion Ratio Lower Upper  
252 100  
254 67.5 51.7 77.5  
126 7.4 5.6 8.4





#83  
Chrysene  
Concen: 40.359 ng  
RT: 22.134 min Scan# 3165  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

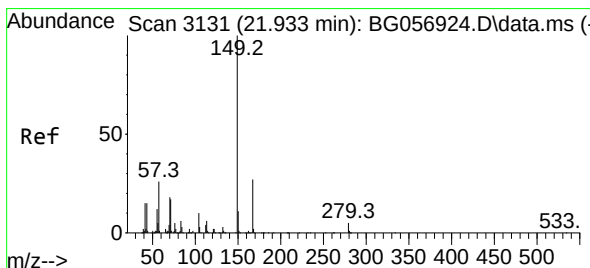
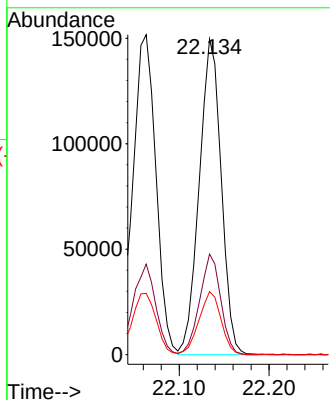
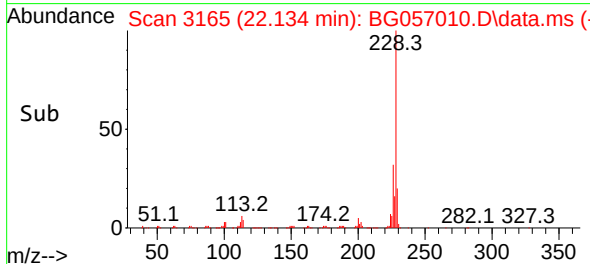
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion:228 Resp: 254150  
Ion Ratio Lower Upper  
228 100  
226 31.9 24.1 36.1  
229 19.9 15.6 23.4

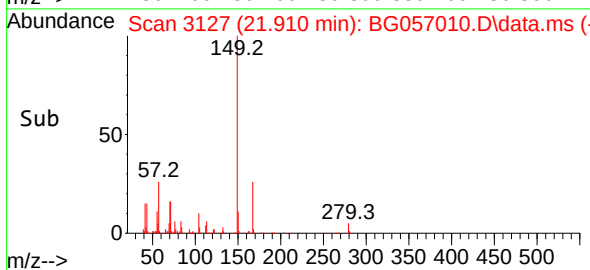
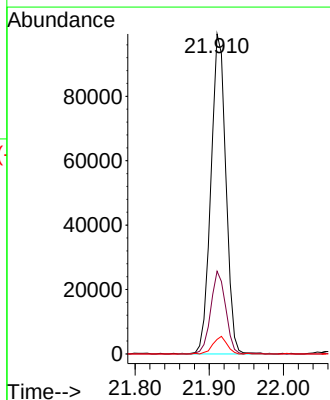
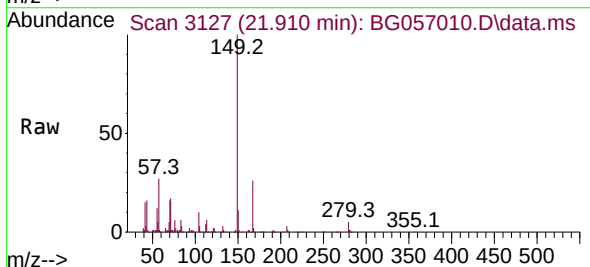
Manual Integrations  
APPROVED

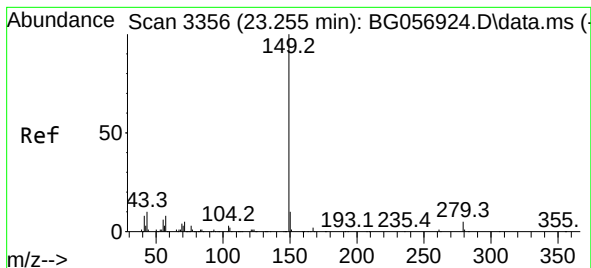
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 41.575 ng  
RT: 21.910 min Scan# 3127  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:149 Resp: 139263  
Ion Ratio Lower Upper  
149 100  
167 25.8 21.4 32.2  
279 4.5 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 41.209 ng

RT: 23.232 min Scan# 3356

Delta R.T. 0.004 min

Lab File: BG057010.D

Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS

Tgt Ion:149 Resp: 232614

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

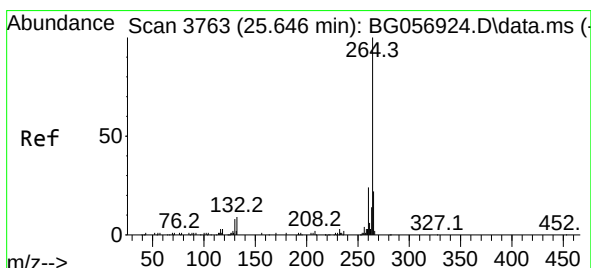
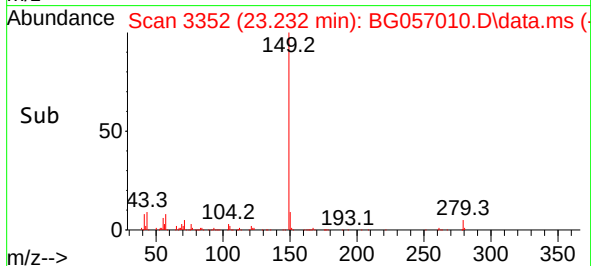
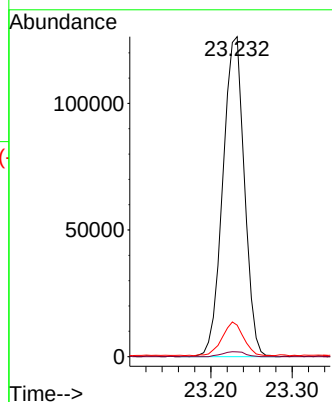
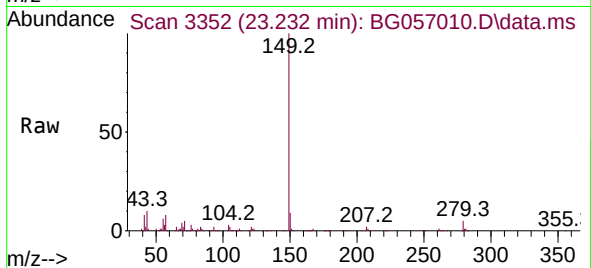
43 10.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.623 min Scan# 3759

Delta R.T. -0.002 min

Lab File: BG057010.D

Acq: 6 Apr 2023 13:20

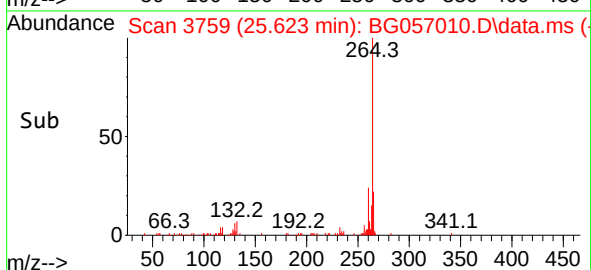
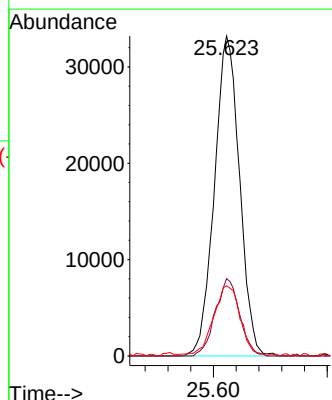
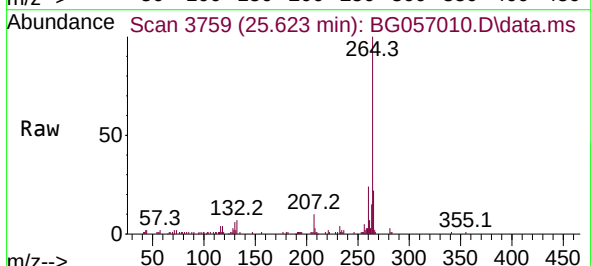
Tgt Ion:264 Resp: 101479

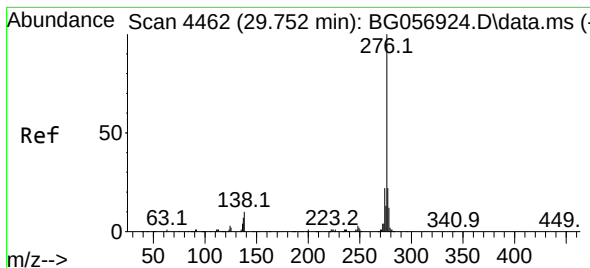
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.704 ng

RT: 29.712 min Scan# 4462

Delta R.T. -0.014 min

Lab File: BG057010.D

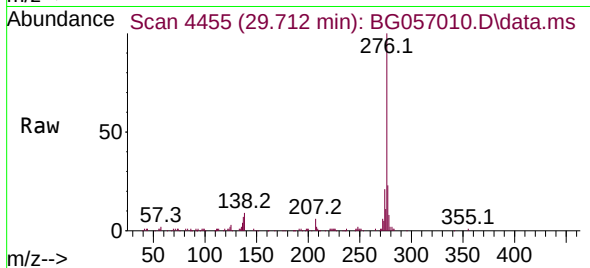
Acq: 6 Apr 2023 13:20

Instrument :

BNA\_G

ClientSampleId :

PB151924BS



Tgt Ion:276 Resp: 320270

Ion Ratio Lower Upper

276 100

138 0.0 7.7 11.5

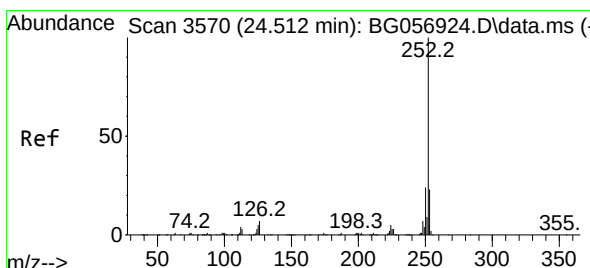
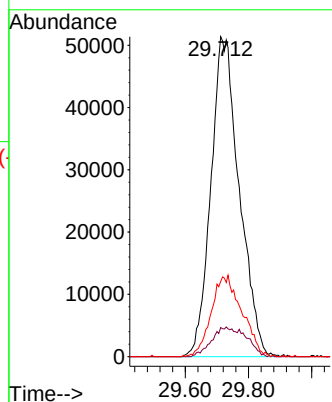
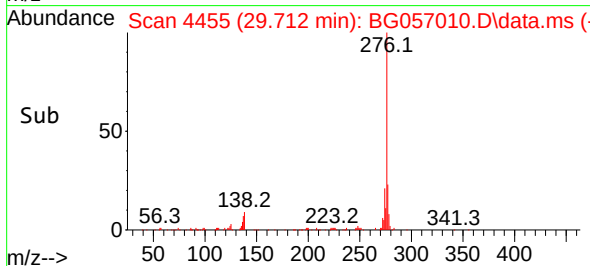
277 0.0 21.0 31.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#88

Benzo(b)fluoranthene

Concen: 43.784 ng

RT: 24.489 min Scan# 3566

Delta R.T. -0.002 min

Lab File: BG057010.D

Acq: 6 Apr 2023 13:20

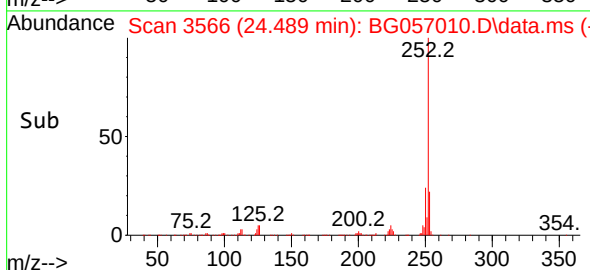
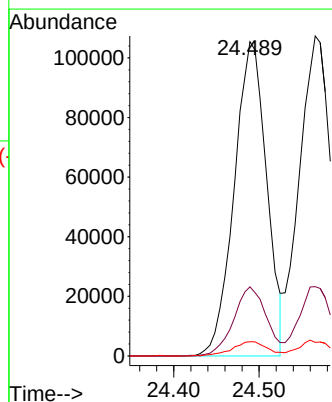
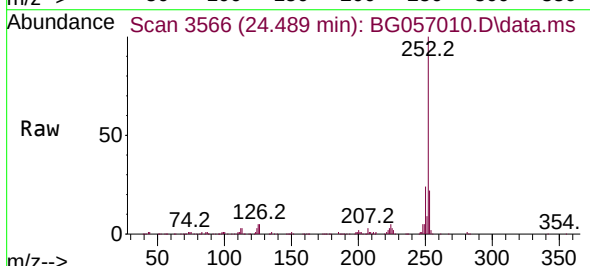
Tgt Ion:252 Resp: 277846

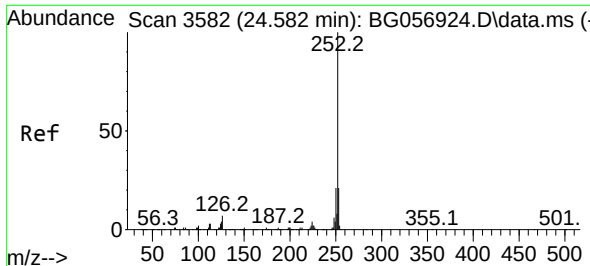
Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

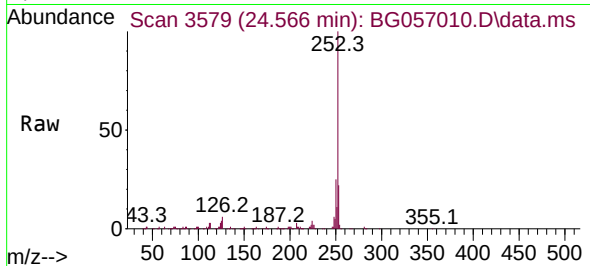
125 4.5 4.2 6.4





#89  
Benzo(k)fluoranthene  
Concen: 43.928 ng  
RT: 24.566 min Scan# 3582  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

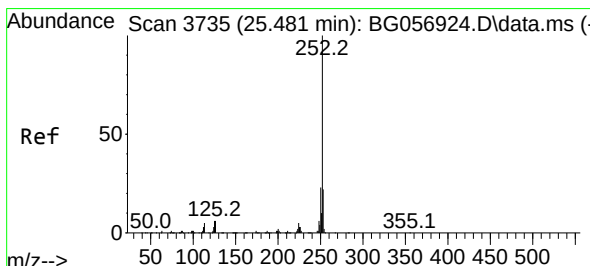
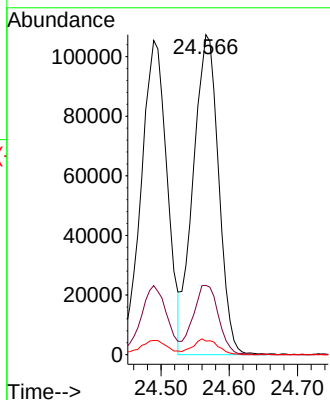
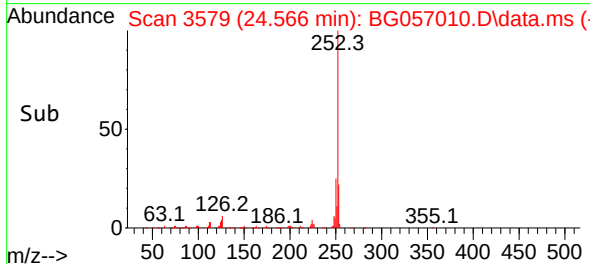
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion:252 Resp: 278289  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.1 25.7  
125 4.2 3.8 5.6

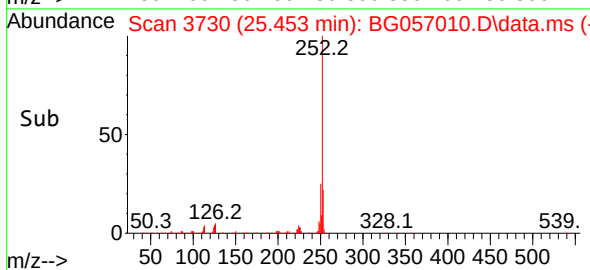
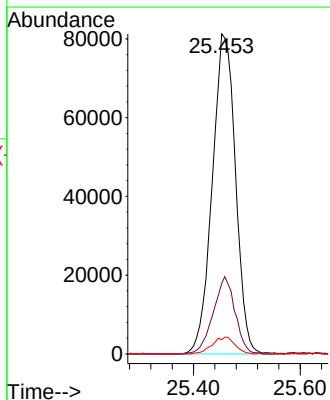
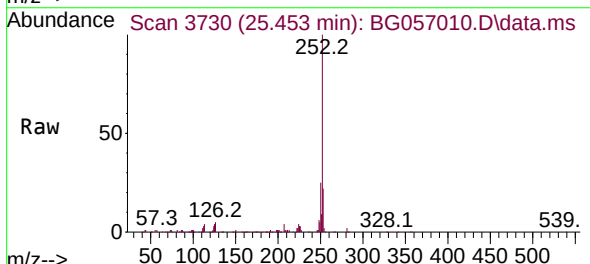
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

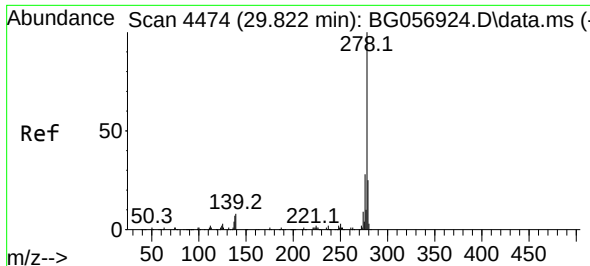


#90  
Benzo(a)pyrene  
Concen: 39.411 ng  
RT: 25.453 min Scan# 3730  
Delta R.T. -0.008 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:252 Resp: 245758  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 4.4 4.5 6.7#

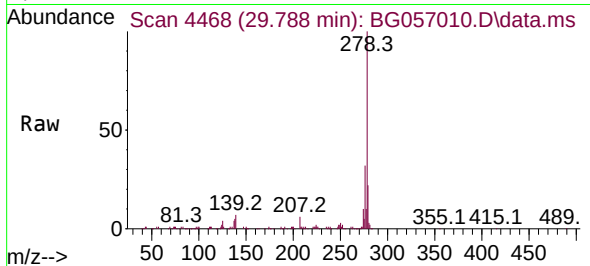






#91  
Dibenzo(a,h)anthracene  
Concen: 44.462 ng  
RT: 29.788 min Scan# 4474  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

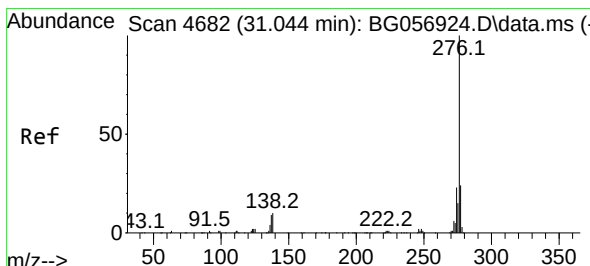
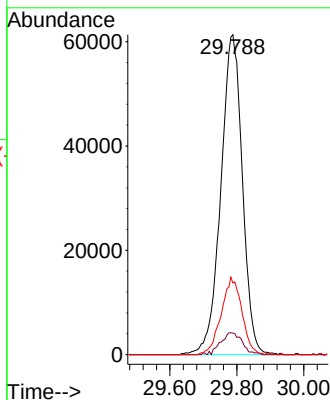
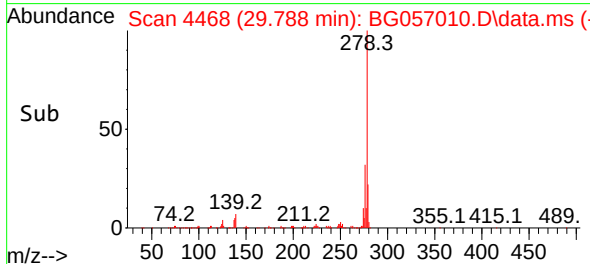
Instrument :  
BNA\_G  
ClientSampleId :  
PB151924BS



Tgt Ion:278 Resp: 274094  
Ion Ratio Lower Upper  
278 100  
139 6.8 6.4 9.6  
279 22.4 20.2 30.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#92  
Benzo(g,h,i)perylene  
Concen: 42.306 ng  
RT: 31.010 min Scan# 4676  
Delta R.T. -0.002 min  
Lab File: BG057010.D  
Acq: 6 Apr 2023 13:20

Tgt Ion:276 Resp: 255378  
Ion Ratio Lower Upper  
276 100  
277 22.0 19.1 28.7  
138 10.8 8.2 12.2

