

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032422\  
 Data File : BG052811.D  
 Acq On : 24 Mar 2022 16:22  
 Operator : CG/JU  
 Sample : PB143535BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB143535BS

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 03/25/2022  
 Supervised By : Jagrut Upadhyay 03/25/2022

Quant Time: Mar 24 17:03:31 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Mar 24 16:48:57 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.145  | 152  | 40378    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.953 | 136  | 159324   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.766 | 164  | 116536   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.503 | 188  | 275969   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.797 | 240  | 293160   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.105 | 264  | 297710   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.702  | 112  | 309476   | 133.478 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.294  | 99   | 440697   | 126.077 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.303  | 82   | 305764   | 96.322  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.246 | 330  | 209387   | 133.714 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.391 | 172  | 658579   | 83.348  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.111 | 244  | 1345556  | 81.646  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.587  | 88   | 35743    | 30.818  | ng    | 89       |
| 3) Pyridine                   | 3.986  | 79   | 91326    | 30.718  | ng    | # 92     |
| 4) n-Nitrosodimethylamine     | 3.892  | 42   | 59294    | 44.957  | ng    | 89       |
| 6) Aniline                    | 7.458  | 93   | 152685   | 37.253  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.705  | 128  | 113435   | 46.562  | ng    | 97       |
| 9) Benzaldehyde               | 7.270  | 77   | 76056m   | 39.375  | ng    |          |
| 10) Phenol                    | 7.317  | 94   | 154266   | 44.708  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 7.552  | 93   | 109333   | 41.958  | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 8.034  | 146  | 117270m  | 39.979  | ng    |          |
| 13) 1,4-Dichlorobenzene       | 8.181  | 146  | 119275   | 40.471  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.498  | 146  | 115874   | 41.572  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.374  | 79   | 128101   | 43.525  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.668  | 45   | 180817   | 39.847  | ng    | 97       |
| 17) 2-Methylphenol            | 8.574  | 107  | 102894   | 44.732  | ng    | 96       |
| 18) Hexachloroethane          | 9.238  | 117  | 44918    | 41.540  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.950  | 70   | 104833   | 42.345  | ng    | # 96     |
| 20) 3+4-Methylphenols         | 8.903  | 107  | 143399   | 44.546  | ng    | 93       |
| 22) Acetophenone              | 8.962  | 105  | 175252   | 42.505  | ng    | 95       |
| 24) Nitrobenzene              | 9.344  | 77   | 157124   | 49.469  | ng    | # 89     |
| 25) Isophorone                | 9.872  | 82   | 282966   | 46.036  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.060 | 139  | 63419    | 57.497  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.113 | 122  | 112177   | 49.712  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.348 | 93   | 152468   | 41.951  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.595 | 162  | 120746   | 47.554  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.818 | 180  | 128295   | 42.831  | ng    | 96       |
| 31) Naphthalene               | 11.006 | 128  | 342813   | 41.609  | ng    | 98       |
| 32) Benzoic acid              | 10.242 | 122  | 74086    | 44.660  | ng    | 94       |
| 33) 4-Chloroaniline           | 11.106 | 127  | 68346    | 19.572  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.294 | 225  | 91513    | 42.611  | ng    | 99       |
| 35) Caprolactam               | 11.870 | 113  | 38586m   | 55.653  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.216 | 107  | 133428   | 45.252  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.604 | 142  | 250453   | 41.509  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.821 | 142  | 240077   | 40.770  | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 12.968 | 216  | 155861   | 42.809  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.951 | 237  | 223267   | 103.455 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.197 | 196  | 111852   | 47.973  | ng    | 97       |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB143535BS

Manual Integrations  
 APPROVED

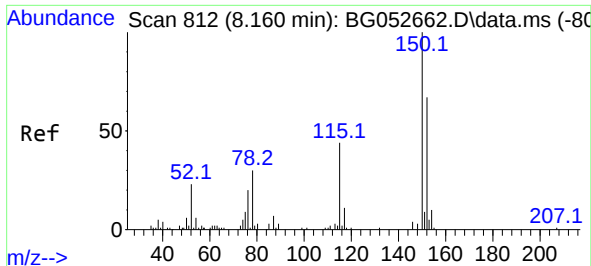
Reviewed By : Christian Giraldo 03/25/2022  
 Supervised By : Jagrut Upadhyay 03/25/2022

Quant Time: Mar 24 17:03:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 16:48:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.268 | 196  | 117360   | 49.591  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.603 | 154  | 341024   | 41.845  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.644 | 162  | 269505   | 41.991  | ng    | 97       |
| 48) 2-Nitroaniline            | 13.838 | 65   | 98510    | 56.122  | ng    | 91       |
| 49) Acenaphthylene            | 14.490 | 152  | 452179   | 44.197  | ng    | 98       |
| 50) Dimethylphthalate         | 14.214 | 163  | 356592   | 41.172  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.325 | 165  | 78829    | 53.907  | ng    | # 85     |
| 52) Acenaphthene              | 14.830 | 154  | 322972   | 49.275  | ng    | 96       |
| 53) 3-Nitroaniline            | 14.654 | 138  | 56042    | 32.751  | ng    | 83       |
| 54) 2,4-Dinitrophenol         | 14.860 | 184  | 97981    | 122.923 | ng    | # 83     |
| 55) Dibenzofuran              | 15.159 | 168  | 428235   | 40.008  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.954 | 139  | 139565   | 99.989  | ng    | # 80     |
| 57) 2,4-Dinitrotoluene        | 15.112 | 165  | 110380   | 54.402  | ng    | # 84     |
| 58) Fluorene                  | 15.811 | 166  | 352854   | 40.441  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.383 | 232  | 112244   | 44.374  | ng    | 98       |
| 60) Diethylphthalate          | 15.571 | 149  | 370299   | 40.503  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.794 | 204  | 197018   | 40.945  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.817 | 138  | 82544    | 45.653  | ng    | 85       |
| 63) Azobenzene                | 16.088 | 77   | 383586   | 39.255  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.876 | 198  | 64970    | 52.808  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 16.005 | 169  | 315665   | 40.629  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.693 | 248  | 138841   | 41.730  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.816 | 284  | 154026   | 43.069  | ng    | 95       |
| 69) Atrazine                  | 16.951 | 200  | 136222   | 47.550  | ng    | 98       |
| 70) Pentachlorophenol         | 17.157 | 266  | 199361   | 89.856  | ng    | 92       |
| 71) Phenanthrene              | 17.550 | 178  | 608294   | 41.202  | ng    | 99       |
| 72) Anthracene                | 17.638 | 178  | 615142   | 42.148  | ng    | 99       |
| 73) Carbazole                 | 17.903 | 167  | 577644   | 39.963  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.461 | 149  | 675007   | 42.747  | ng    | 97       |
| 75) Fluoranthene              | 19.553 | 202  | 809404   | 43.190  | ng    | 99       |
| 77) Benzidine                 | 19.724 | 184  | 383929   | 50.776  | ng    | 99       |
| 78) Pyrene                    | 19.918 | 202  | 816334   | 40.143  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.793 | 149  | 315300   | 43.709  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.774 | 228  | 825394   | 42.047  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.680 | 252  | 203297   | 29.327  | ng    | 99       |
| 83) Chrysene                  | 21.844 | 228  | 752377   | 40.769  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.674 | 149  | 434194   | 44.260  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.919 | 149  | 733399   | 44.907  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.894 | 276  | 896539   | 43.997  | ng    | # 80     |
| 88) Benzo(b)fluoranthene      | 24.053 | 252  | 842043   | 45.553  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.124 | 252  | 808058   | 44.431  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.952 | 252  | 810872   | 51.823  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.976 | 278  | 773591   | 46.072  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.092 | 276  | 768819   | 46.277  | ng    | 99       |

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





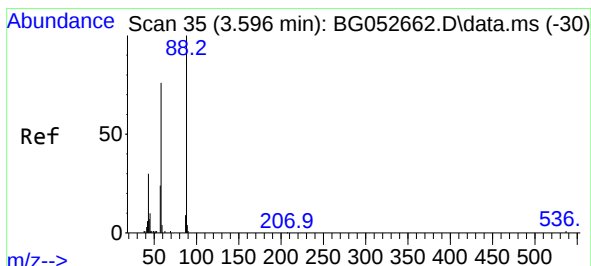
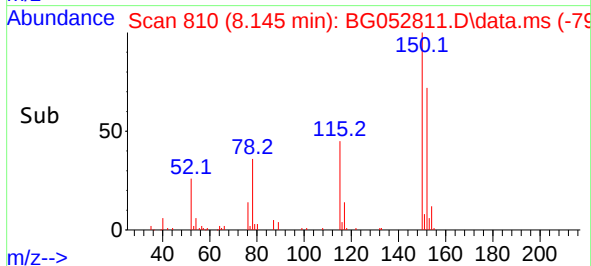
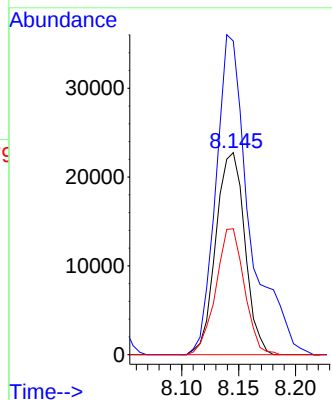
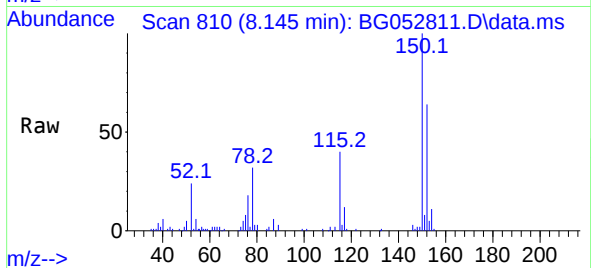
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.145 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS

Tgt Ion:152 Resp: 40378  
Ion Ratio Lower Upper  
152 100  
150 155.1 114.6 172.0  
115 62.3 45.9 68.9

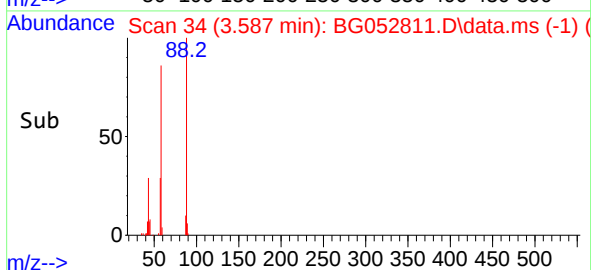
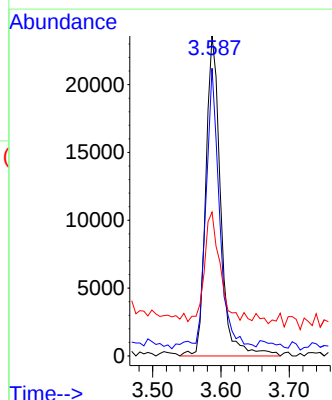
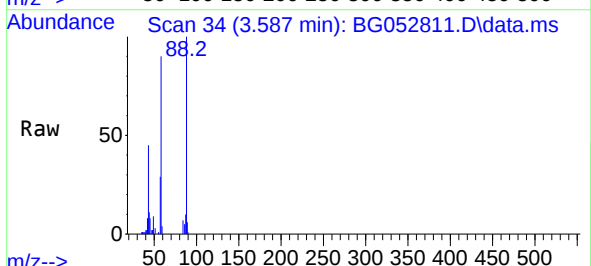
Manual Integrations  
APPROVED

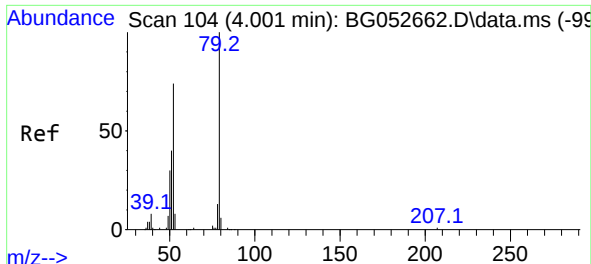
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#2  
1,4-Dioxane  
Concen: 30.818 ng  
RT: 3.587 min Scan# 34  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion: 88 Resp: 35743  
Ion Ratio Lower Upper  
88 100  
58 82.0 58.2 87.2  
43 34.9 23.4 35.0





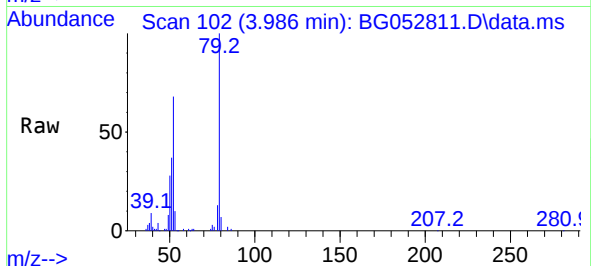
#3  
Pyridine  
Concen: 30.718 ng  
RT: 3.986 min Scan# 104  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

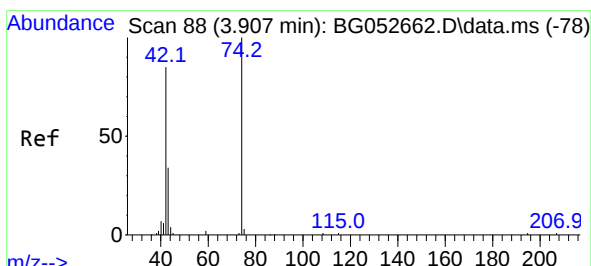
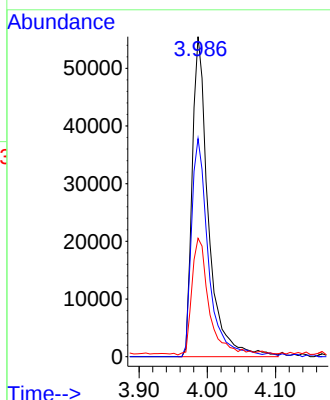
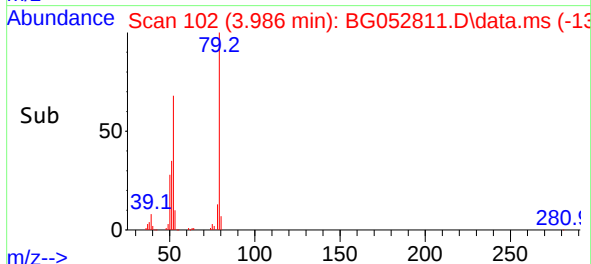


Tgt Ion: 79 Resp: 91320  
Ion Ratio Lower Upper  
79 100  
52 68.2 50.9 76.3  
51 37.0 24.4 36.6

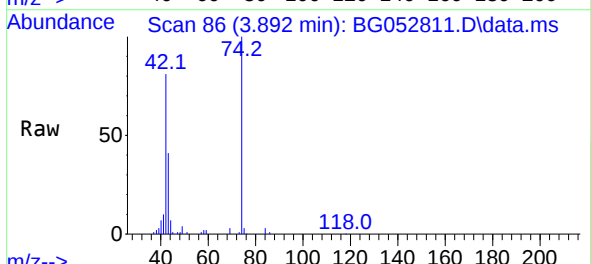
Manual Integrations

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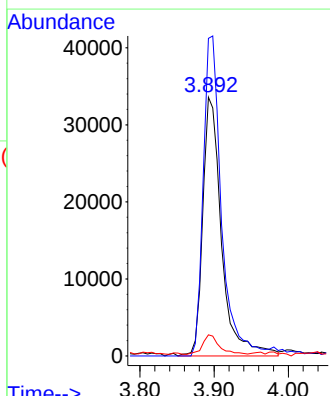
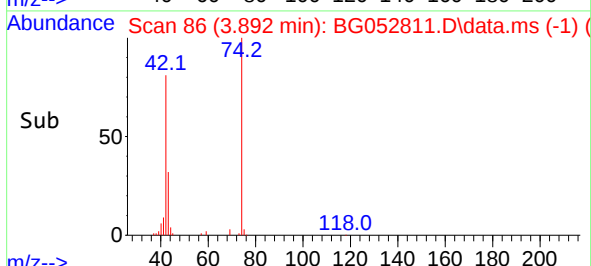
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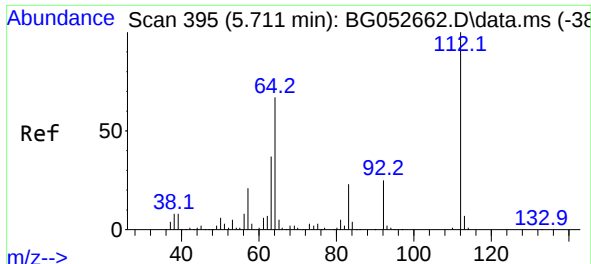


#4  
n-Nitrosodimethylamine  
Concen: 44.957 ng  
RT: 3.892 min Scan# 86  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion: 42 Resp: 59294  
Ion Ratio Lower Upper  
42 100  
74 122.7 108.9 163.3  
44 8.2 5.7 8.5





#5  
2-Fluorophenol  
Concen: 133.478 ng  
RT: 5.702 min Scan# 394  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

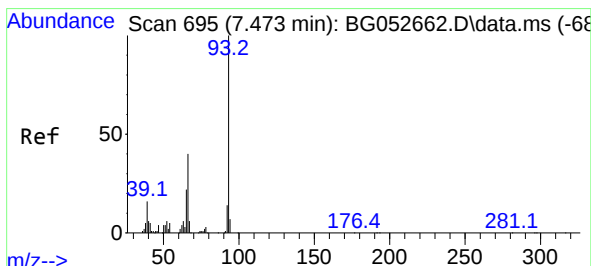
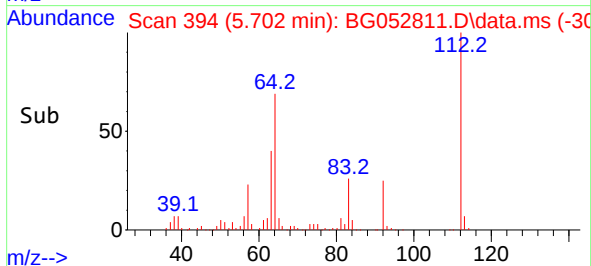
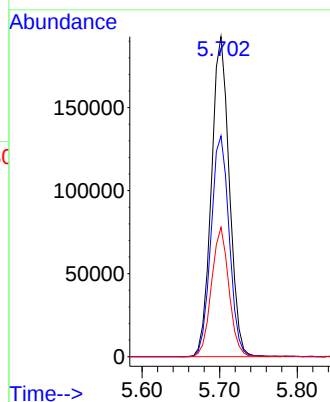
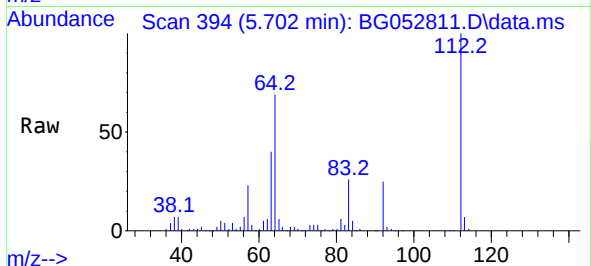
PB143535BS

Tgt Ion:112 Resp: 309470  
Ion Ratio Lower Upper  
112 100  
64 69.0 48.0 72.0  
63 40.4 26.5 39.7

Manual Integrations

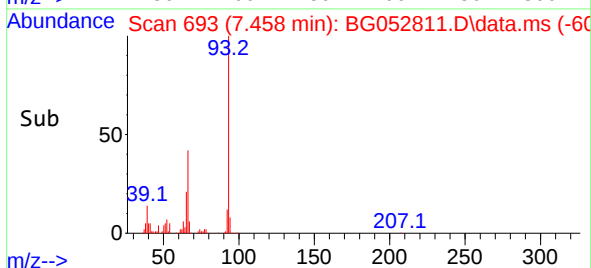
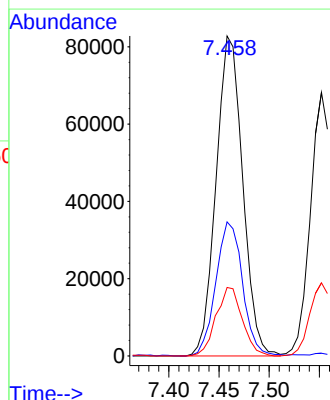
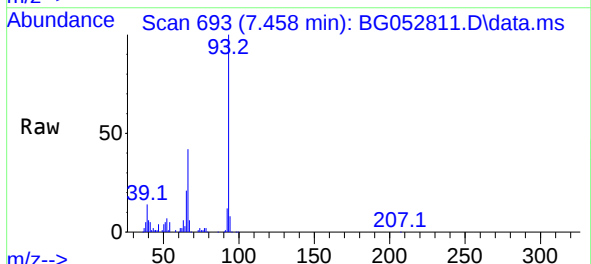
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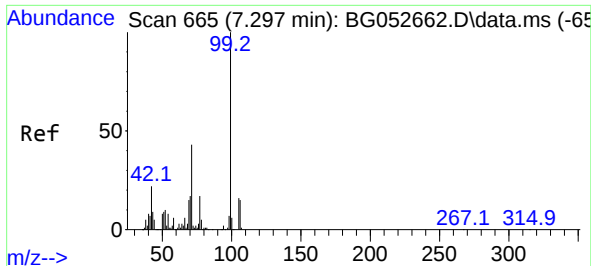
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#6  
Aniline  
Concen: 37.253 ng  
RT: 7.458 min Scan# 693  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion: 93 Resp: 152685  
Ion Ratio Lower Upper  
93 100  
66 41.9 31.3 46.9  
65 21.4 16.7 25.1





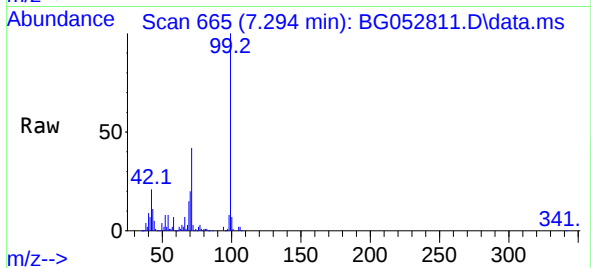
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Phenol-d6  
Concen: 126.077 ng  
RT: 7.294 min Scan# 60  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

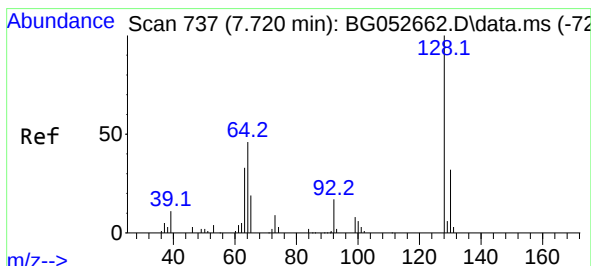
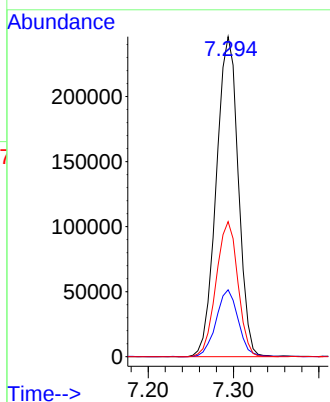
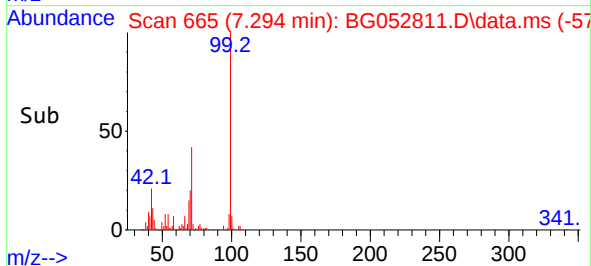


Tgt Ion: 99 Resp: 44069  
Ion Ratio Lower Upper  
99 100  
42 20.9 14.7 22.1  
71 42.2 29.2 43.8

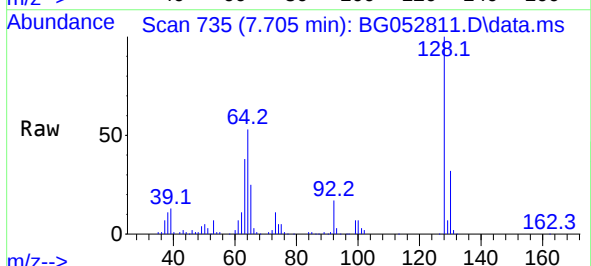
Manual Integrations

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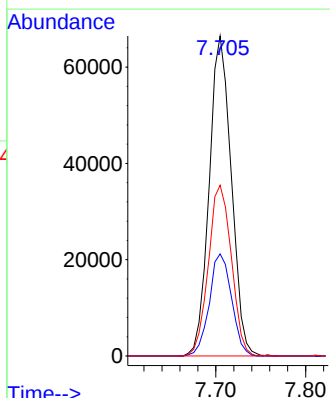
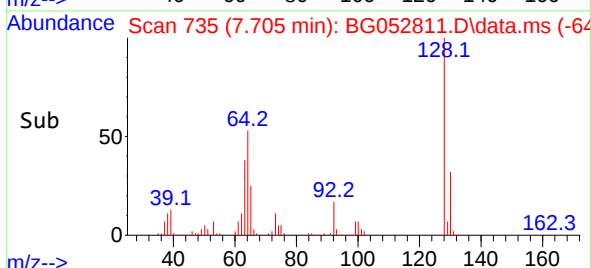
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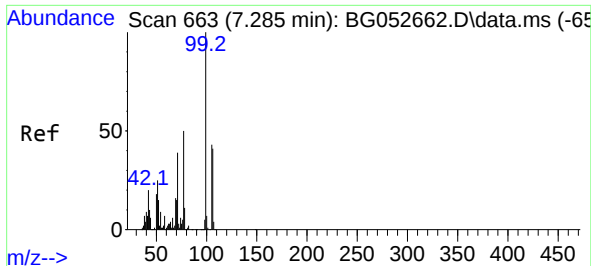


#8  
2-Chlorophenol  
Concen: 46.562 ng  
RT: 7.705 min Scan# 735  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



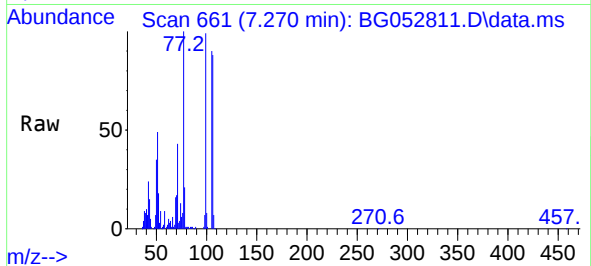
Tgt Ion:128 Resp: 113435  
Ion Ratio Lower Upper  
128 100  
130 31.9 13.4 53.4  
64 53.3 30.9 70.9





#9  
Benzaldehyde  
Concen: 39.375 ng m  
RT: 7.270 min Scan# 60  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

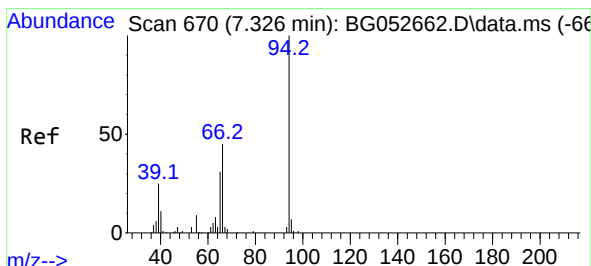
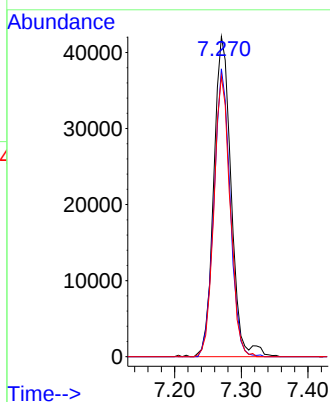
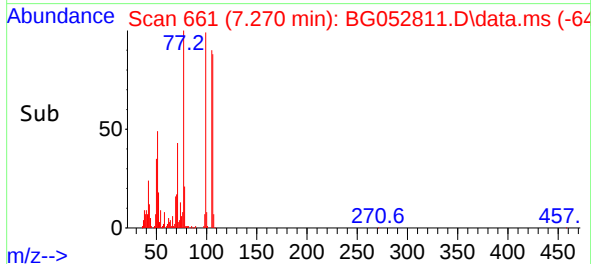
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



Tgt Ion: 77 Resp: 7605  
Ion Ratio Lower Upper  
77 100  
105 90.0 70.6 110.6  
106 87.6 67.6 107.6

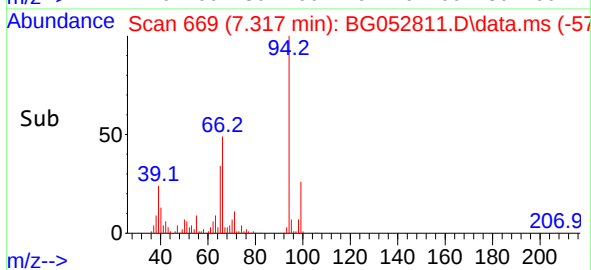
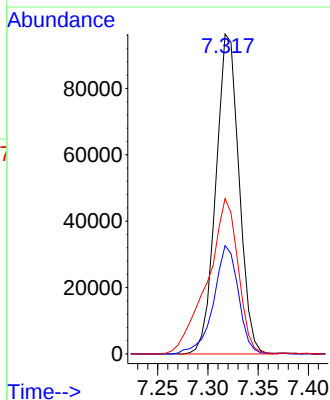
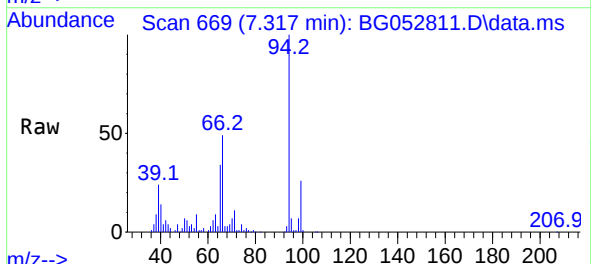
Manual Integrations  
APPROVED

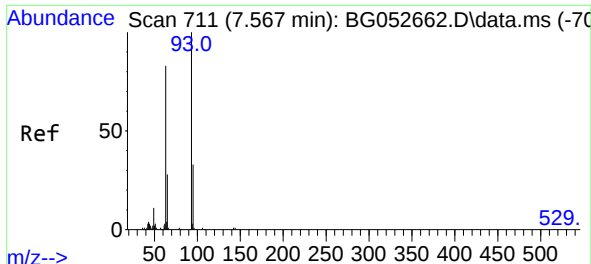
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#10  
Phenol  
Concen: 44.708 ng  
RT: 7.317 min Scan# 669  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

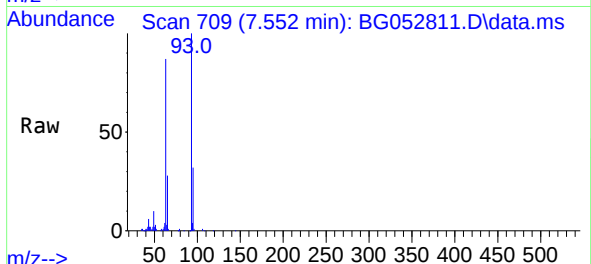
Tgt Ion: 94 Resp: 154266  
Ion Ratio Lower Upper  
94 100  
65 33.8 11.1 51.1  
66 48.5 20.0 60.0





#11  
bis(2-Chloroethyl)ether  
Concen: 41.958 ng  
RT: 7.552 min Scan# 709  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

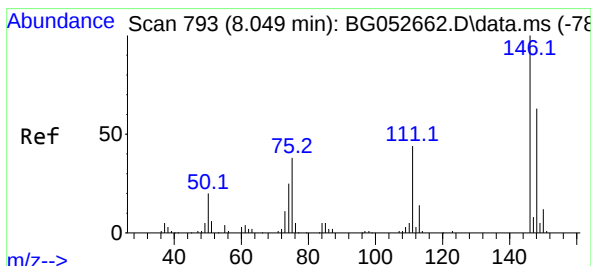
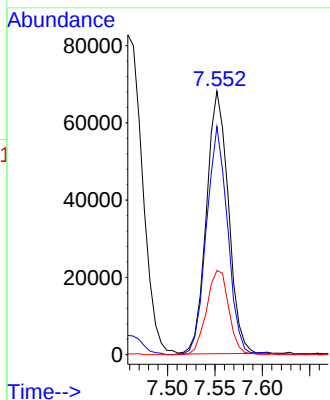
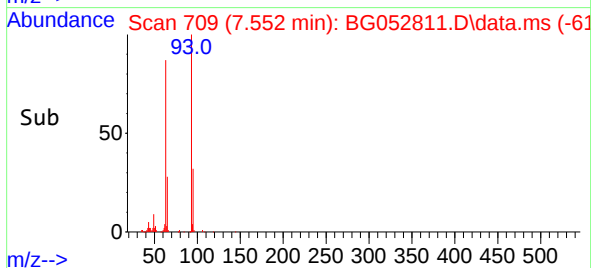
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



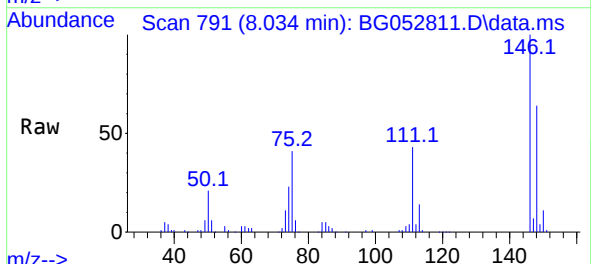
Tgt Ion: 93 Resp: 10933  
Ion Ratio Lower Upper  
93 100  
63 86.6 56.9 96.9  
95 31.9 14.5 54.5

Manual Integrations  
APPROVED

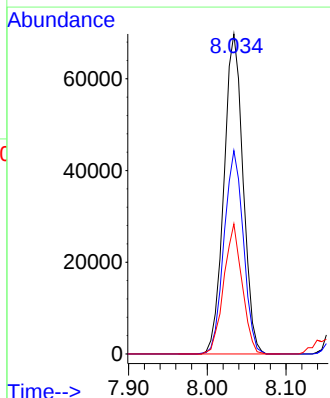
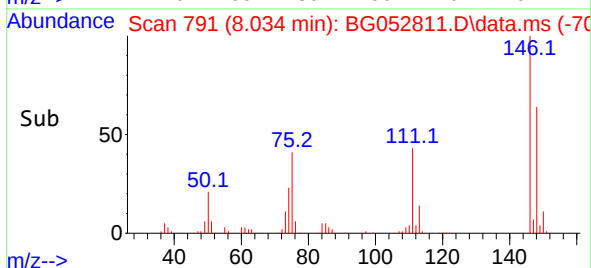
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

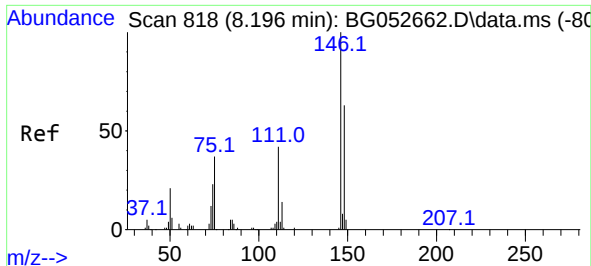


#12  
1,3-Dichlorobenzene  
Concen: 39.979 ng m  
RT: 8.034 min Scan# 791  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:146 Resp: 117270  
Ion Ratio Lower Upper  
146 100  
148 63.5 50.6 76.0  
75 40.6 25.9 38.9#





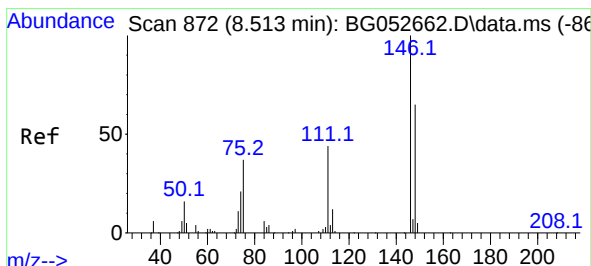
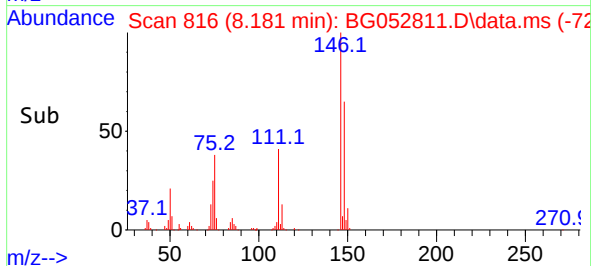
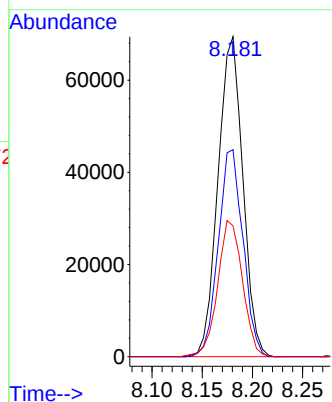
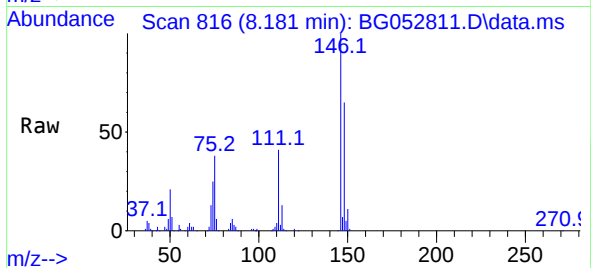
#13  
1,4-Dichlorobenzene  
Concen: 40.471 ng  
RT: 8.181 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS

Tgt Ion:146 Resp: 11927  
Ion Ratio Lower Upper  
146 100  
148 64.7 50.0 75.0  
111 40.9 31.0 46.4

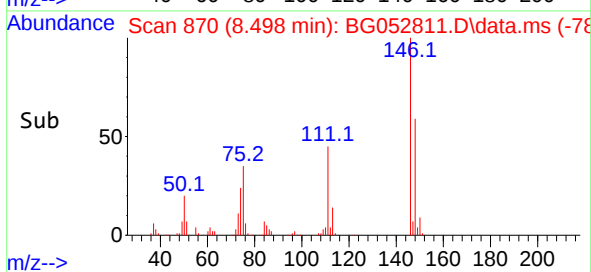
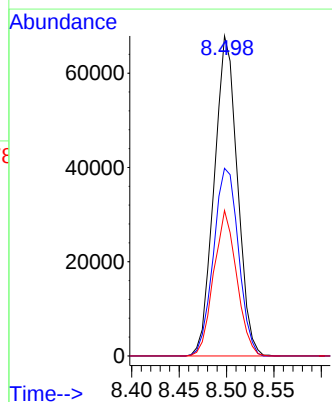
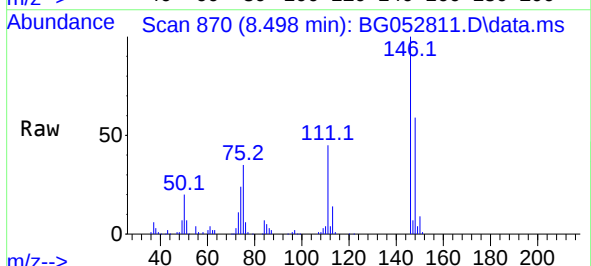
Manual Integrations  
APPROVED

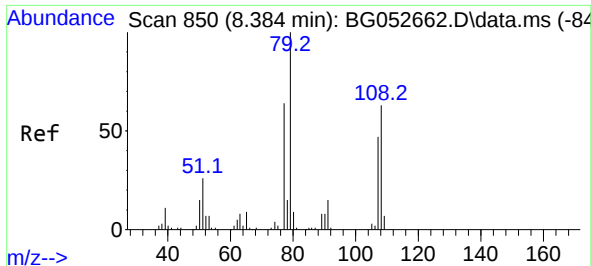
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#14  
1,2-Dichlorobenzene  
Concen: 41.572 ng  
RT: 8.498 min Scan# 870  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

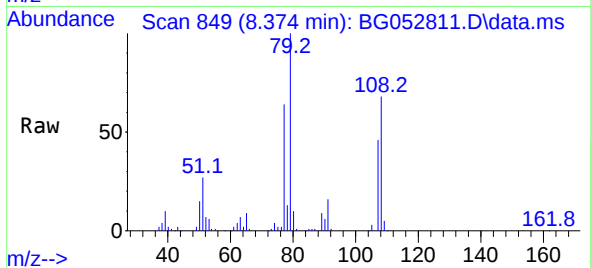
Tgt Ion:146 Resp: 115874  
Ion Ratio Lower Upper  
146 100  
148 58.7 51.0 76.6  
111 45.4 34.7 52.1





#15  
Benzyl Alcohol  
Concen: 43.525 ng  
RT: 8.374 min Scan# 849  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

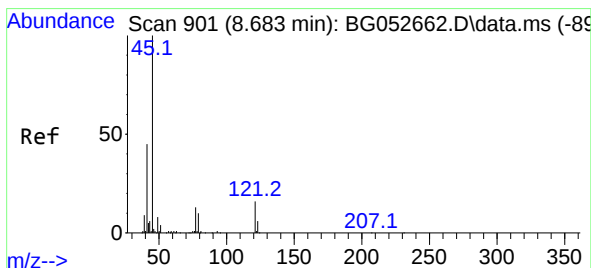
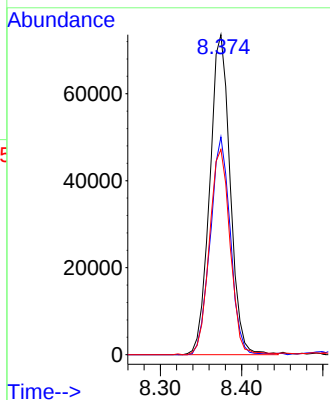
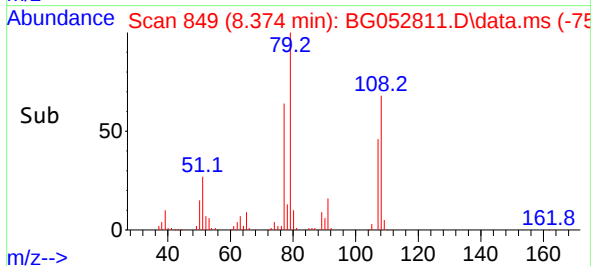
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



Tgt Ion: 79 Resp: 12810  
Ion Ratio Lower Upper  
79 100  
108 68.0 55.1 82.7  
77 64.1 52.4 78.6

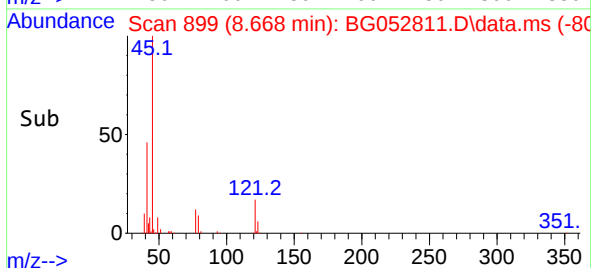
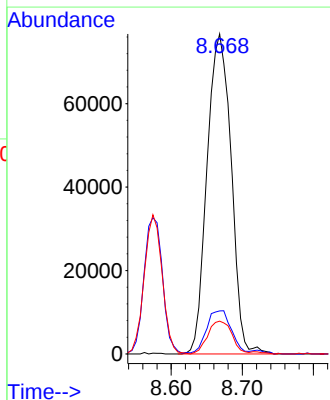
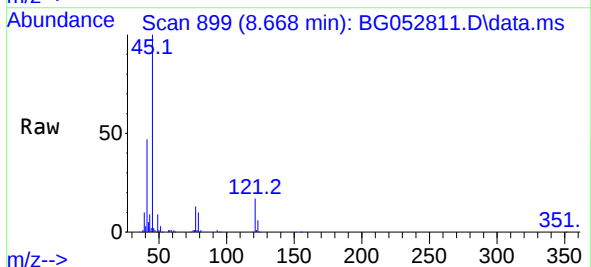
Manual Integrations  
APPROVED

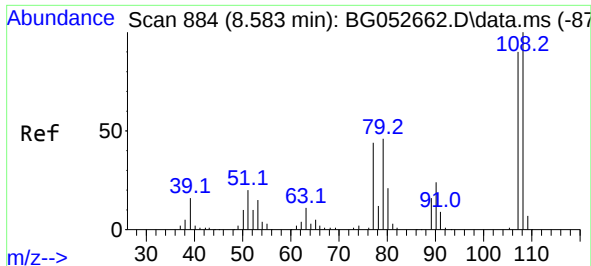
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.847 ng  
RT: 8.668 min Scan# 899  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion: 45 Resp: 180817  
Ion Ratio Lower Upper  
45 100  
77 13.4 0.0 34.9  
79 10.2 0.0 30.7





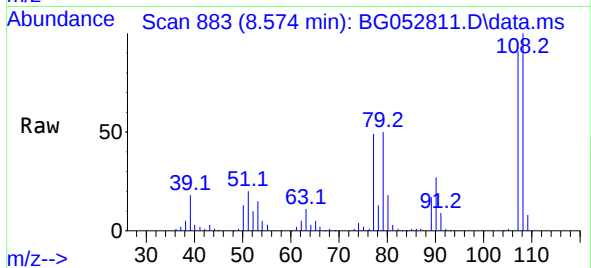
#17  
2-Methylphenol  
Concen: 44.732 ng  
RT: 8.574 min Scan# 811  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

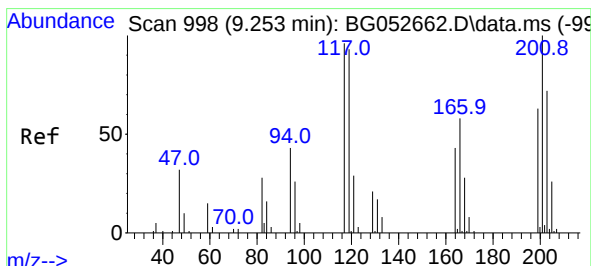
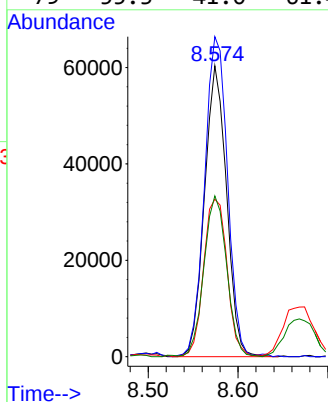
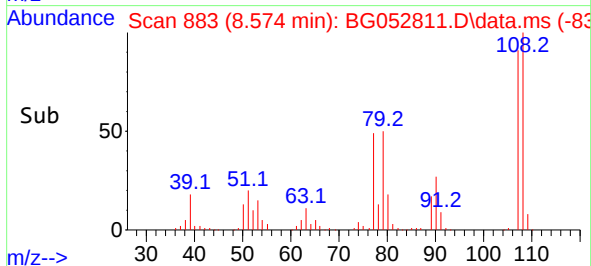


Tgt Ion:107 Resp: 102894  
Ion Ratio Lower Upper  
107 100  
108 110.0 91.5 137.3  
77 54.1 42.5 63.7  
79 55.3 41.0 61.4

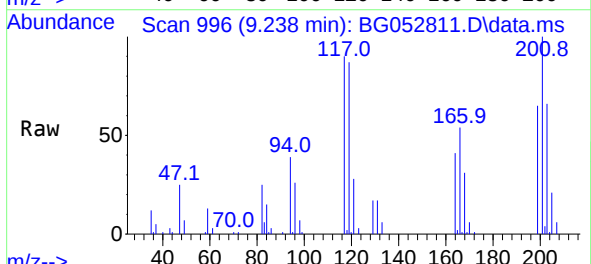
Manual Integrations

APPROVED

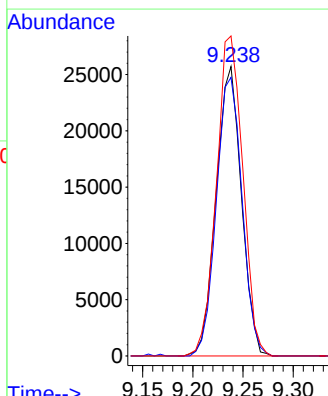
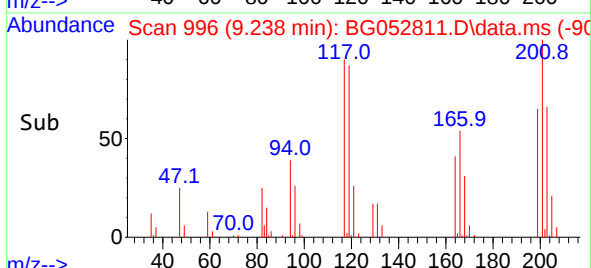
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

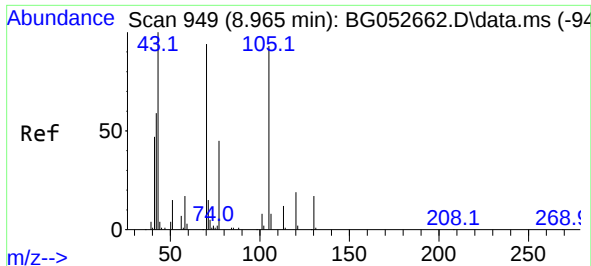


#18  
Hexachloroethane  
Concen: 41.540 ng  
RT: 9.238 min Scan# 996  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



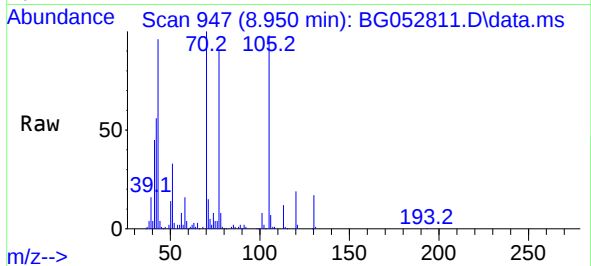
Tgt Ion:117 Resp: 44918  
Ion Ratio Lower Upper  
117 100  
119 96.2 75.1 112.7  
201 110.5 96.6 145.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 42.345 ng  
RT: 8.950 min Scan# 949  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

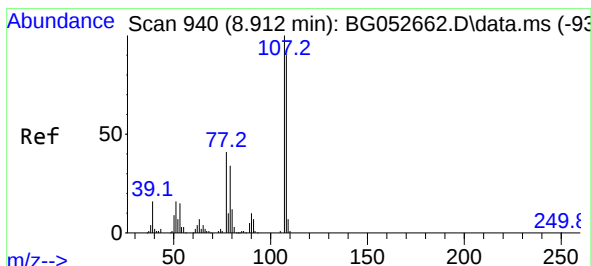
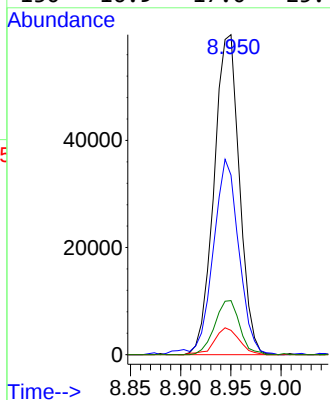
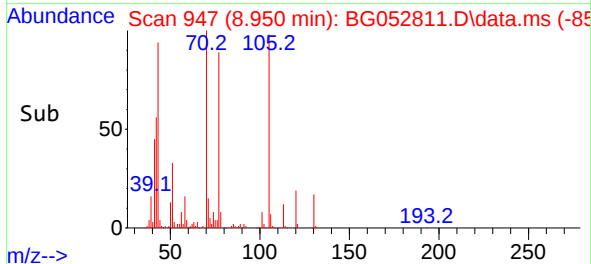
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



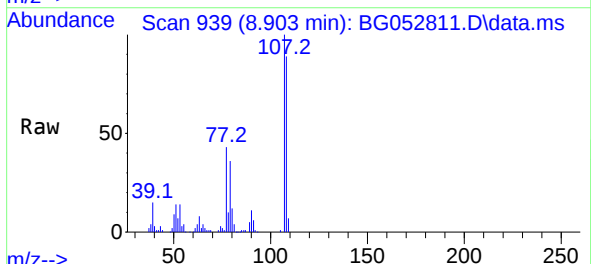
Tgt Ion: 70 Resp: 10483  
Ion Ratio Lower Upper  
70 100  
42 56.1 46.0 69.0  
101 7.6 6.2 9.4  
130 16.9 17.0 25.4#

Manual Integrations  
APPROVED

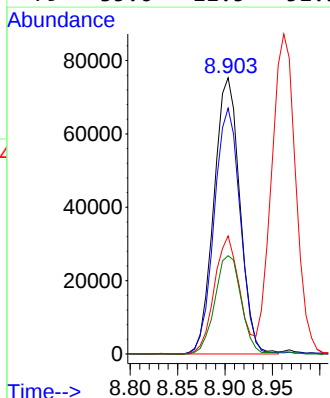
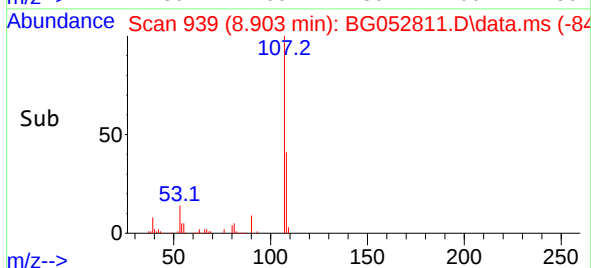
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

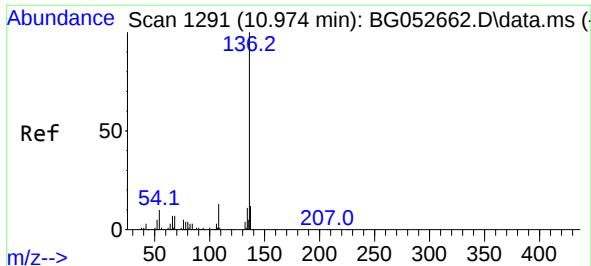


#20  
3+4-Methylphenols  
Concen: 44.546 ng  
RT: 8.903 min Scan# 939  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:107 Resp: 143399  
Ion Ratio Lower Upper  
107 100  
108 89.0 64.8 104.8  
77 42.8 15.9 55.9  
79 35.6 11.5 51.5





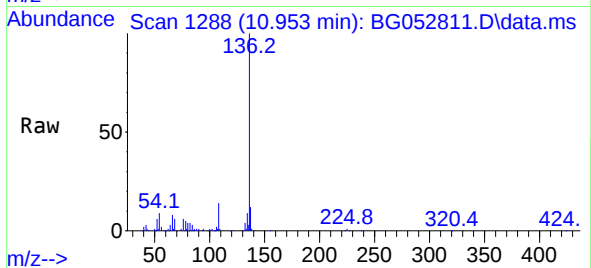
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.953 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

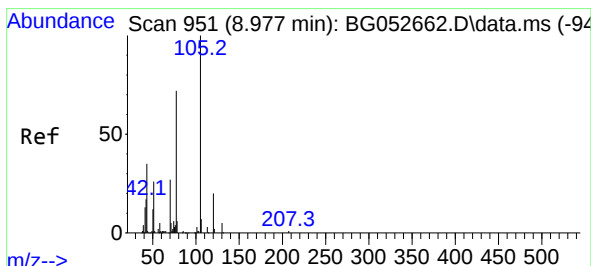
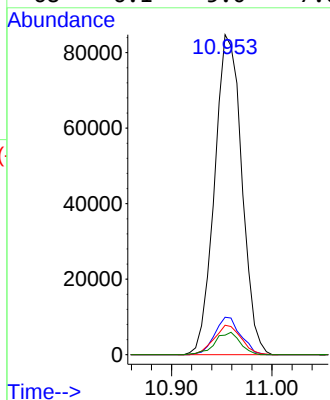
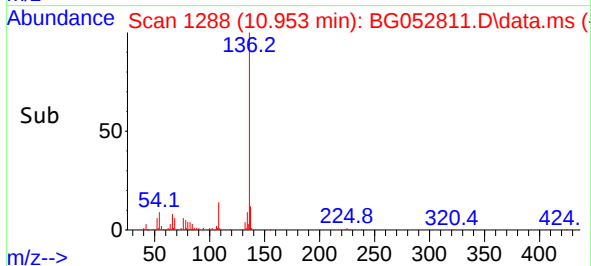


Tgt Ion:136 Resp: 159324  
Ion Ratio Lower Upper  
136 100  
137 11.7 9.4 14.2  
54 9.2 6.4 9.6  
68 6.1 5.0 7.6

Manual Integrations

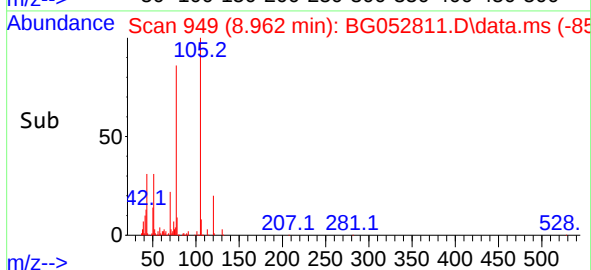
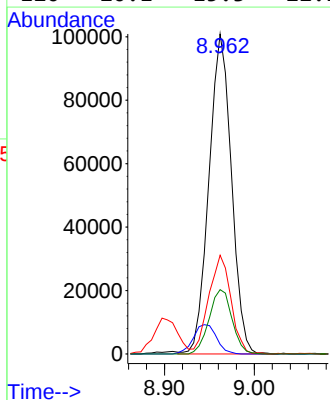
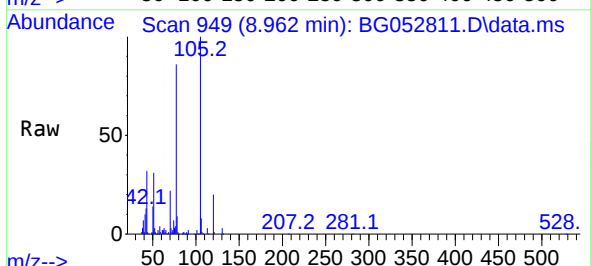
APPROVED

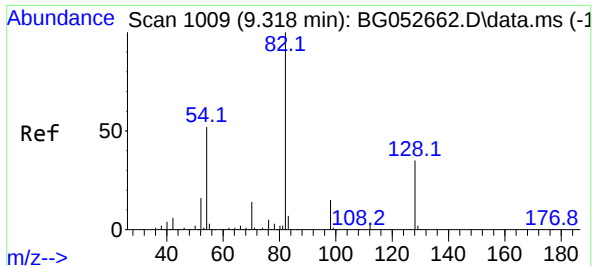
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#22  
Acetophenone  
Concen: 42.505 ng  
RT: 8.962 min Scan# 949  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:105 Resp: 175252  
Ion Ratio Lower Upper  
105 100  
71 3.0 2.1 3.1  
51 30.8 21.9 32.9  
120 20.1 15.3 22.9





#23

Nitrobenzene-d5

Concen: 96.322 ng

RT: 9.303 min Scan# 1007

Delta R.T. -0.001 min

Lab File: BG052811.D

Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

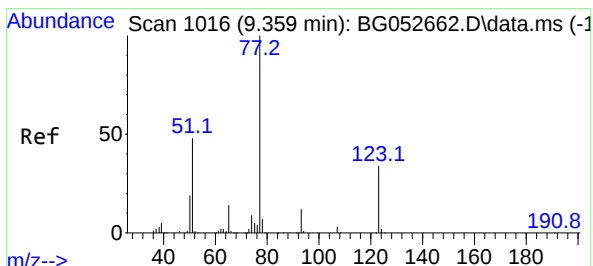
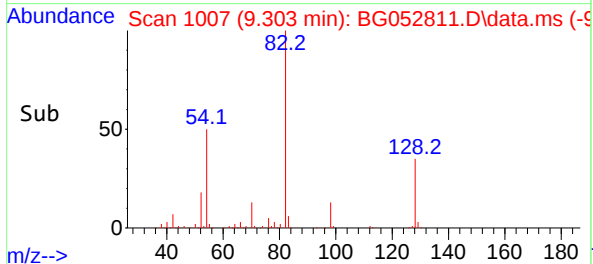
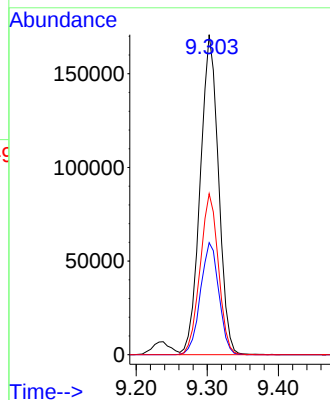
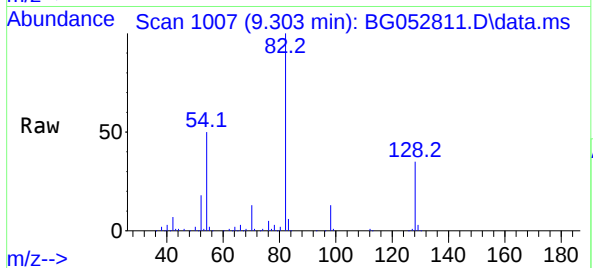
PB143535BS

Tgt Ion: 82 Resp: 305764  
 Ion Ratio Lower Upper  
 82 100  
 128 35.0 31.3 46.9  
 54 50.3 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/25/2022  
 Supervised By :Jagrut Upadhyay 03/25/2022



#24

Nitrobenzene

Concen: 49.469 ng

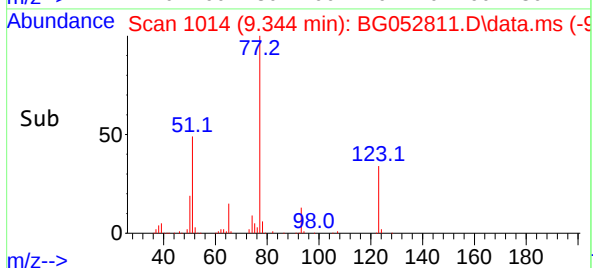
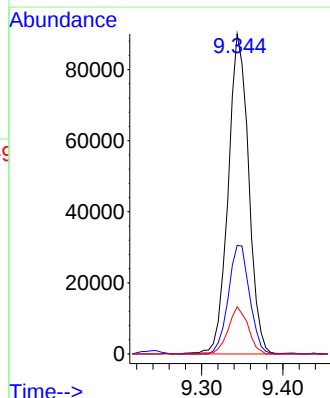
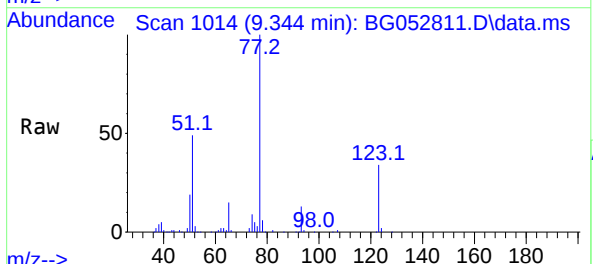
RT: 9.344 min Scan# 1014

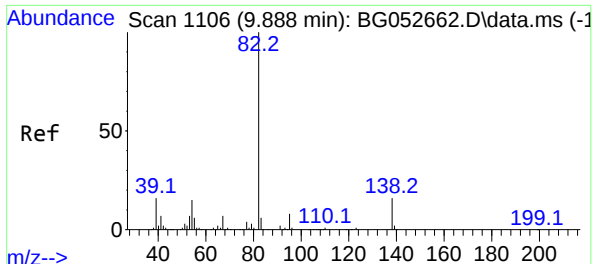
Delta R.T. -0.001 min

Lab File: BG052811.D

Acq: 24 Mar 2022 16:22

Tgt Ion: 77 Resp: 157124  
 Ion Ratio Lower Upper  
 77 100  
 123 33.9 34.4 51.6#  
 65 14.8 11.2 16.8





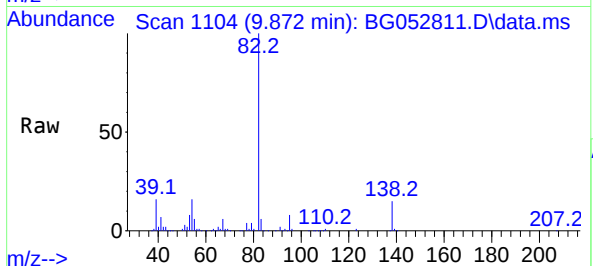
#25  
Isophorone  
Concen: 46.036 ng  
RT: 9.872 min Scan# 1104  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS



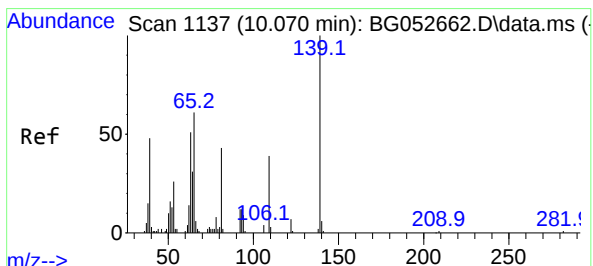
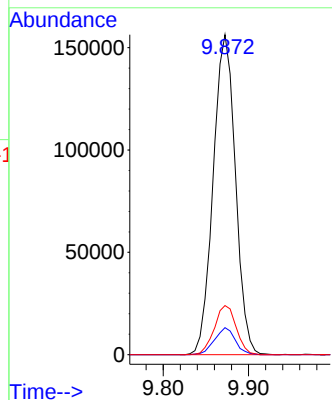
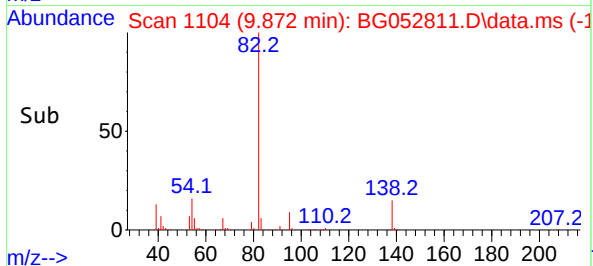
Tgt Ion: 82 Resp: 282960  
Ion Ratio Lower Upper  
82 100  
95 8.5 5.8 8.6  
138 15.3 12.6 18.8

Manual Integrations

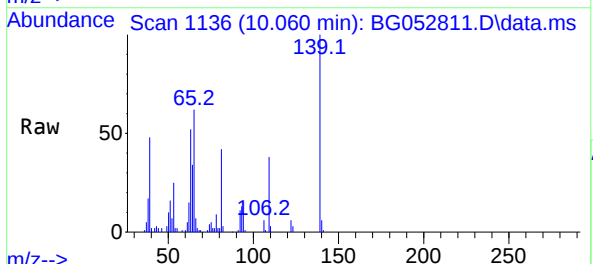
APPROVED

Reviewed By :Christian Giraldo 03/25/2022

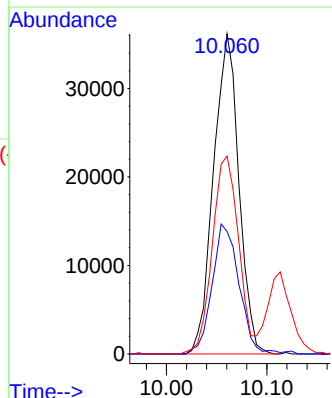
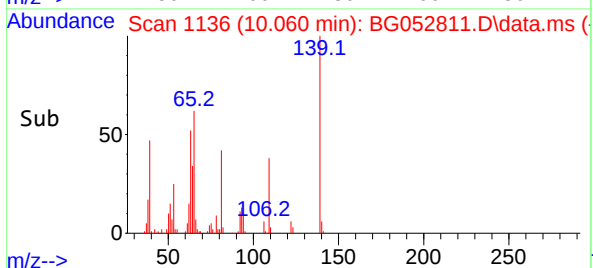
Supervised By :Jagrut Upadhyay 03/25/2022

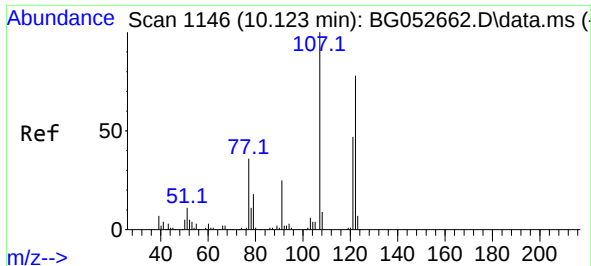


#26  
2-Nitrophenol  
Concen: 57.497 ng  
RT: 10.060 min Scan# 1136  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:139 Resp: 63419  
Ion Ratio Lower Upper  
139 100  
109 38.2 29.4 44.0  
65 61.8 48.2 72.2





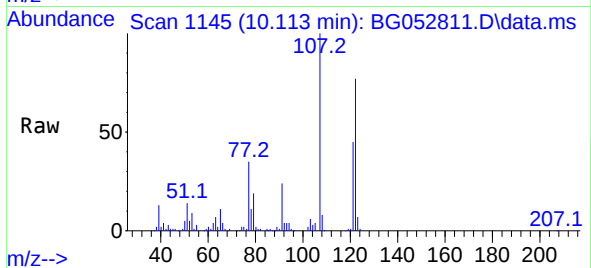
#27  
2,4-Dimethylphenol  
Concen: 49.712 ng  
RT: 10.113 min Scan# 1145  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

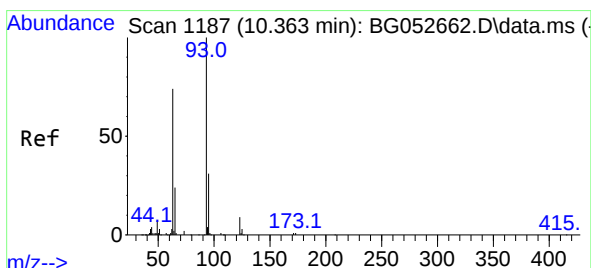
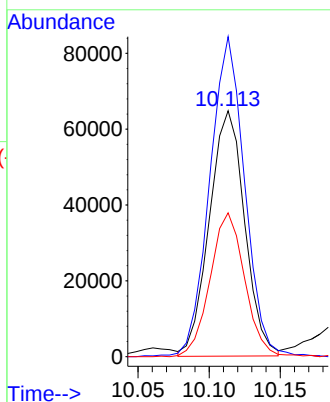
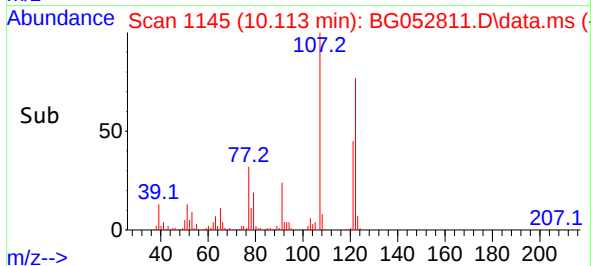


Tgt Ion:122 Resp: 11217  
Ion Ratio Lower Upper  
122 100  
107 130.1 96.7 145.1  
121 58.5 46.3 69.5

Manual Integrations

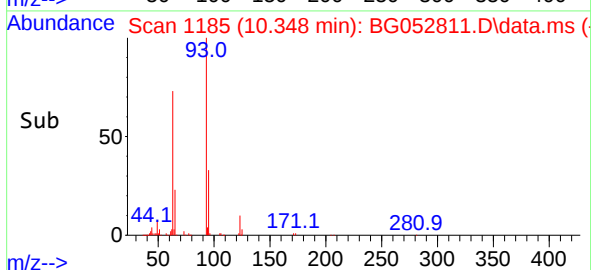
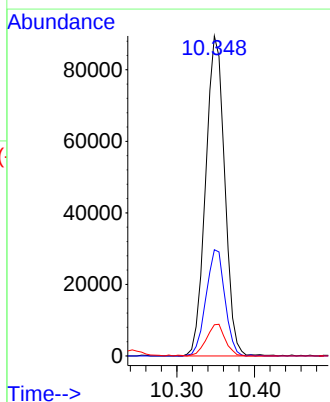
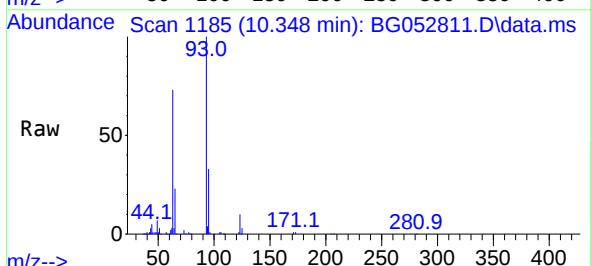
APPROVED

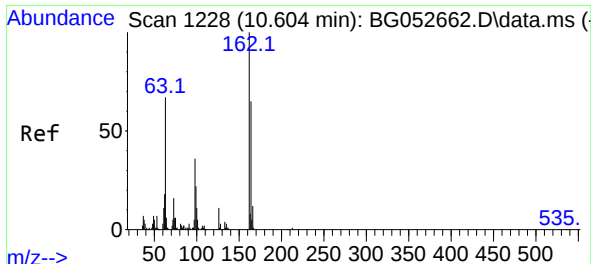
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.951 ng  
RT: 10.348 min Scan# 1185  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion: 93 Resp: 152468  
Ion Ratio Lower Upper  
93 100  
95 33.2 26.5 39.7  
123 9.7 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 47.554 ng

RT: 10.595 min Scan# 1227

Delta R.T. -0.001 min

Lab File: BG052811.D

Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

Tgt Ion:162 Resp: 120740

Ion Ratio Lower Upper

162 100

164 65.1 44.0 84.0

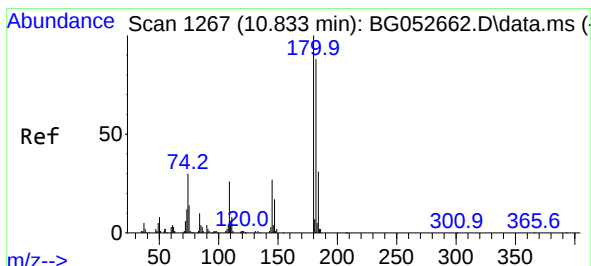
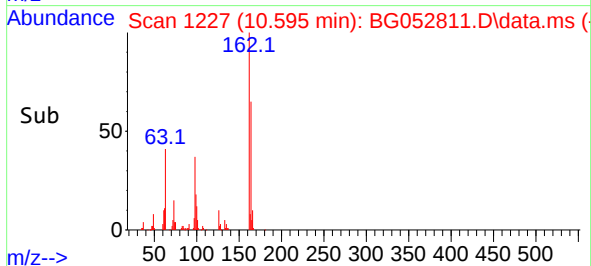
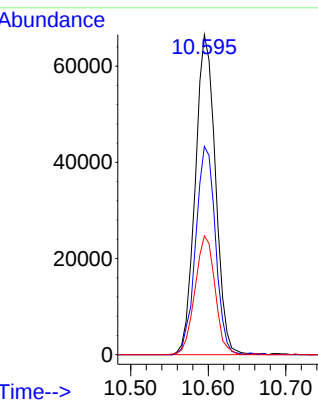
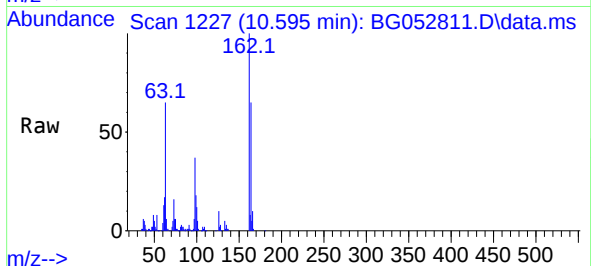
98 37.1 17.3 57.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#30

1,2,4-Trichlorobenzene

Concen: 42.831 ng

RT: 10.818 min Scan# 1265

Delta R.T. -0.001 min

Lab File: BG052811.D

Acq: 24 Mar 2022 16:22

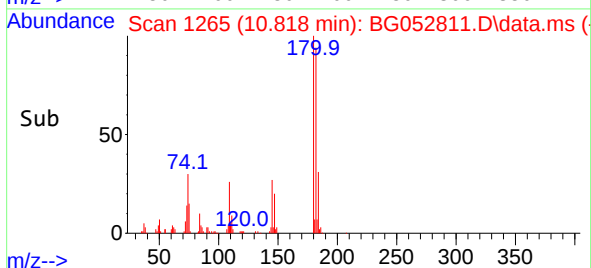
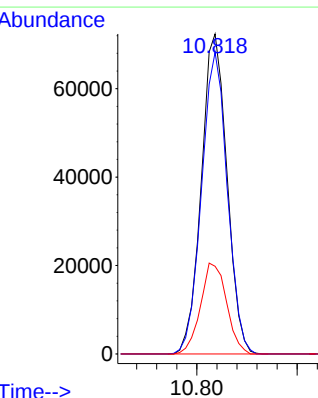
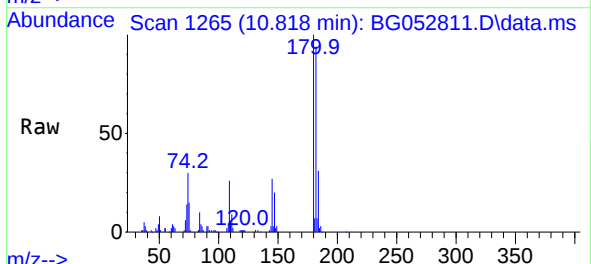
Tgt Ion:180 Resp: 128295

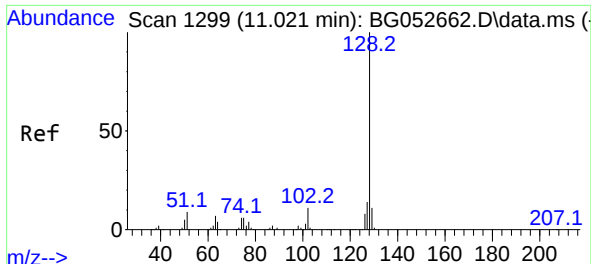
Ion Ratio Lower Upper

180 100

182 94.3 77.8 116.6

145 27.4 24.4 36.6





#31  
Naphthalene  
Concen: 41.609 ng  
RT: 11.006 min Scan# 11006  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

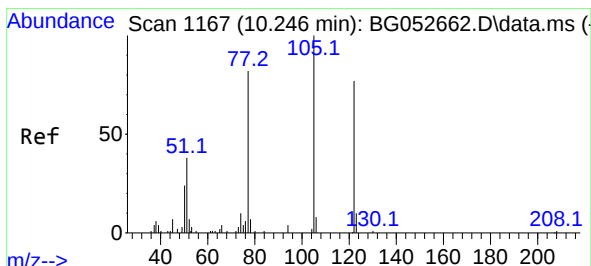
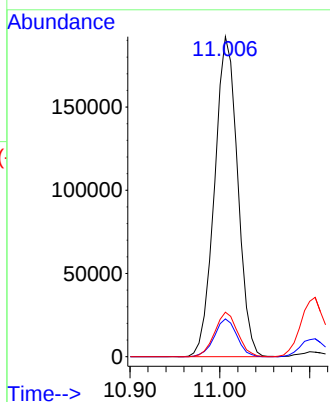
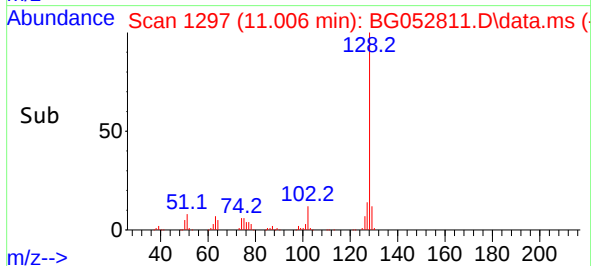
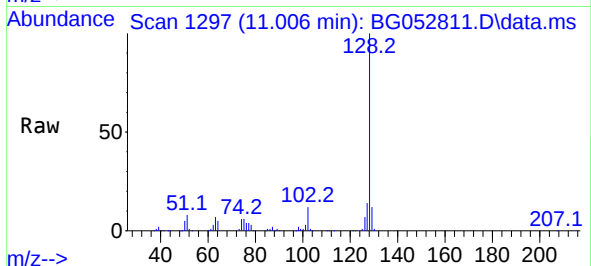
ClientSampleId :

PB143535BS

Tgt Ion:128 Resp: 342811  
Ion Ratio Lower Upper  
128 100  
129 11.8 8.8 13.2  
127 13.9 10.5 15.7

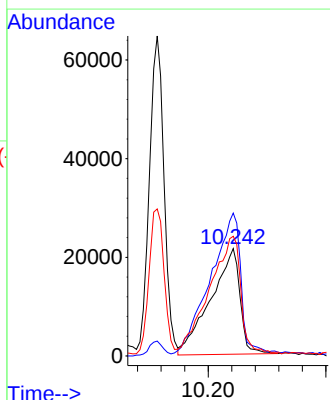
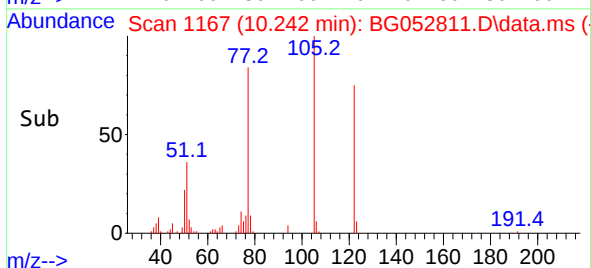
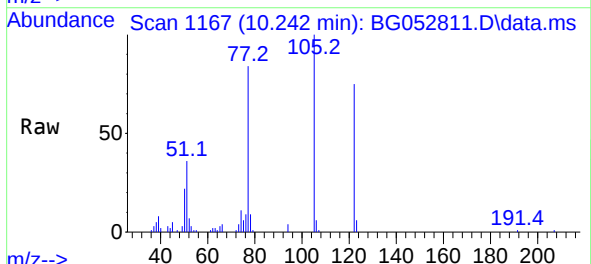
Manual Integrations  
APPROVED

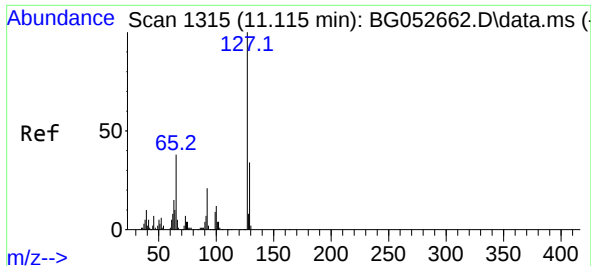
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#32  
Benzoic acid  
Concen: 44.660 ng  
RT: 10.242 min Scan# 1167  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:122 Resp: 74086  
Ion Ratio Lower Upper  
122 100  
105 133.1 112.8 152.8  
77 111.6 78.4 118.4





#33  
4-Chloroaniline  
Concen: 19.572 ng  
RT: 11.106 min Scan# 1110  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

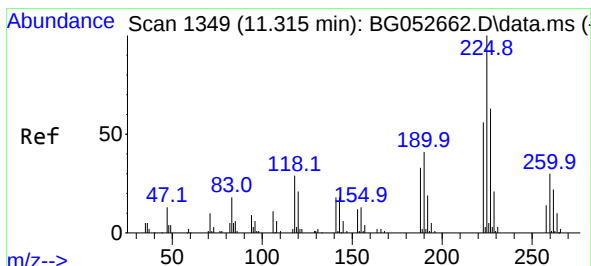
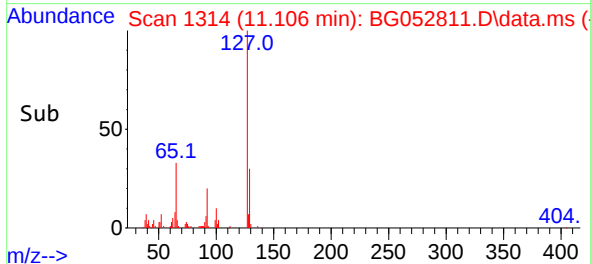
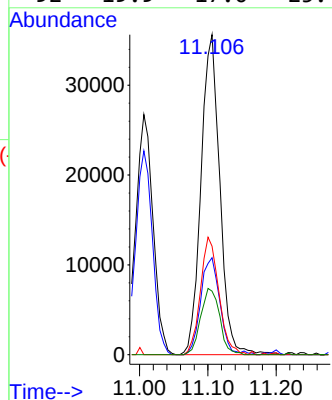
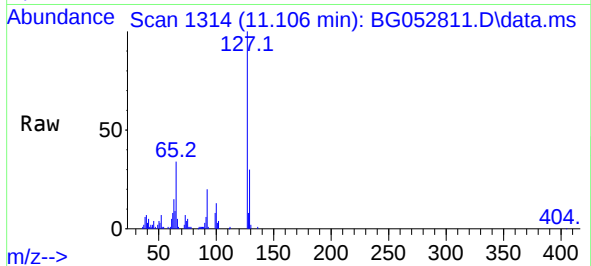
PB143535BS

Tgt Ion:127 Resp: 68340  
Ion Ratio Lower Upper  
127 100  
129 30.3 27.6 41.4  
65 33.9 28.2 42.4  
92 19.9 17.0 25.4

Manual Integrations

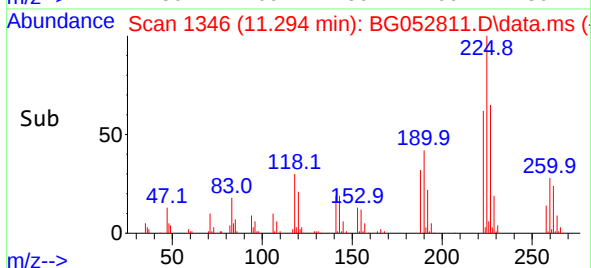
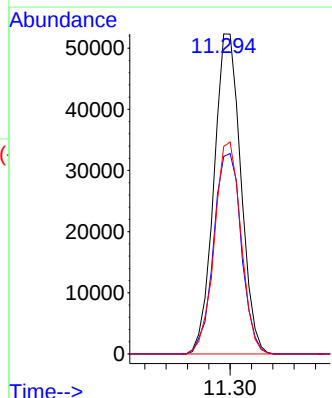
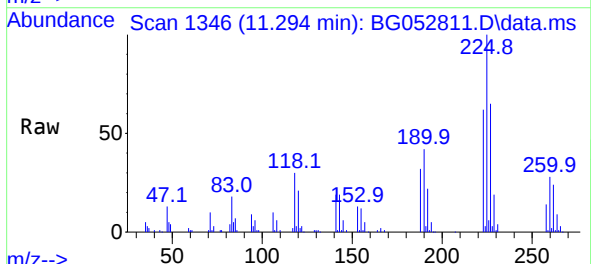
APPROVED

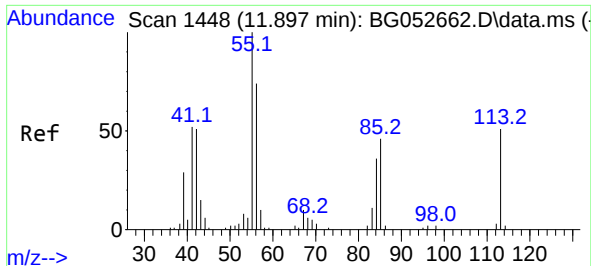
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#34  
Hexachlorobutadiene  
Concen: 42.611 ng  
RT: 11.294 min Scan# 1346  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:225 Resp: 91513  
Ion Ratio Lower Upper  
225 100  
223 61.7 50.2 75.2  
227 64.9 52.0 78.0





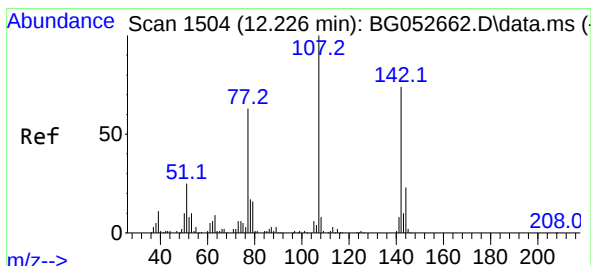
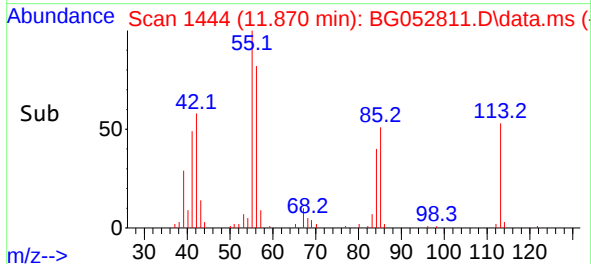
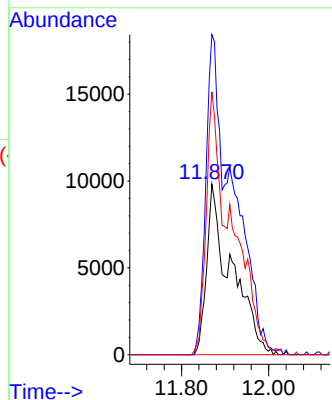
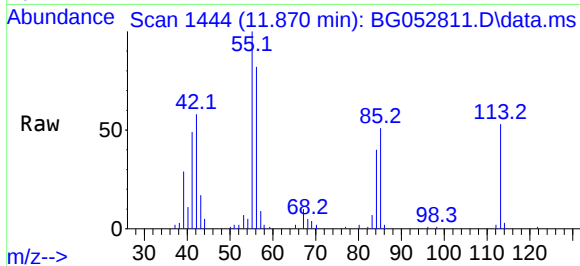
#35  
Caprolactam  
Concen: 55.653 ng m  
RT: 11.870 min Scan# 14  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS

Tgt Ion:113 Resp: 38580  
Ion Ratio Lower Upper  
113 100  
55 187.6 151.3 191.3  
56 154.1 128.5 168.5

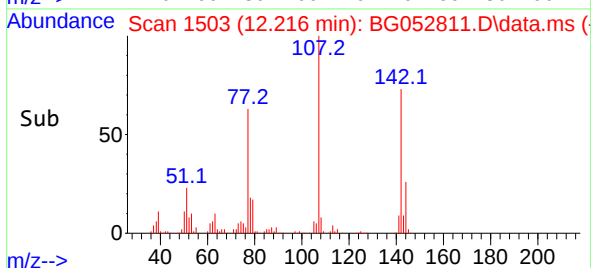
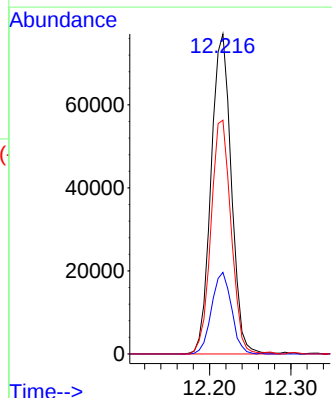
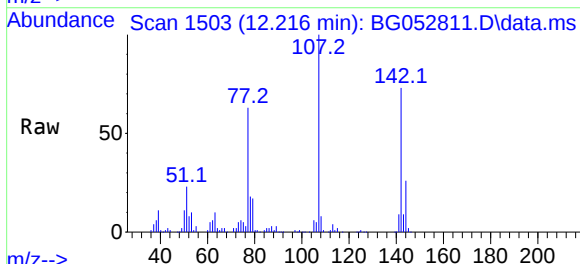
Manual Integrations  
APPROVED

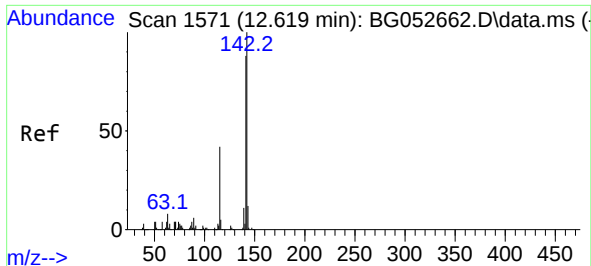
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#36  
4-Chloro-3-methylphenol  
Concen: 45.252 ng  
RT: 12.216 min Scan# 1503  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:107 Resp: 133428  
Ion Ratio Lower Upper  
107 100  
144 25.5 21.4 32.0  
142 73.0 61.7 92.5





#37  
2-Methylnaphthalene  
Concen: 41.509 ng  
RT: 12.604 min Scan# 1569  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

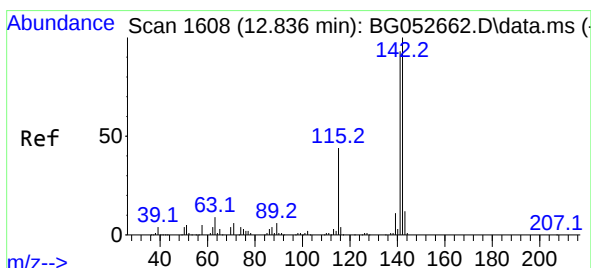
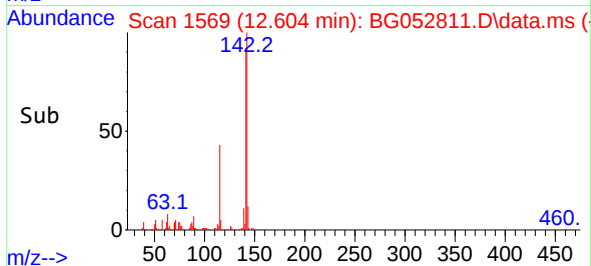
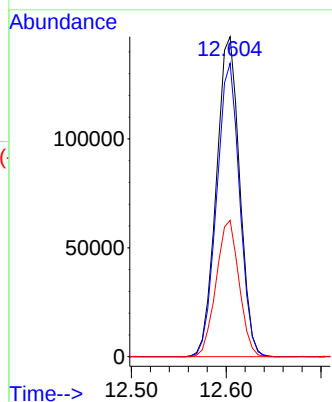
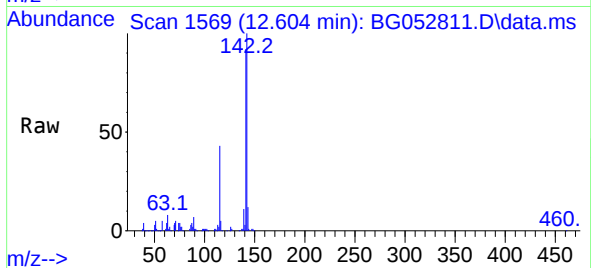
PB143535BS

Tgt Ion:142 Resp: 25045  
Ion Ratio Lower Upper  
142 100  
141 91.7 71.3 106.9  
115 42.6 29.5 44.3

Manual Integrations

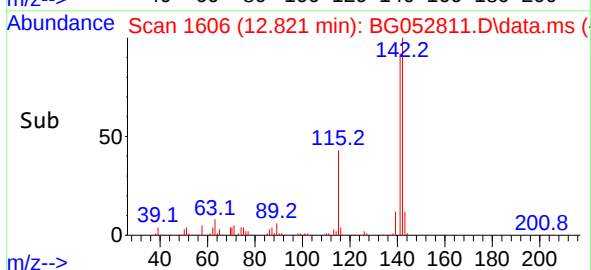
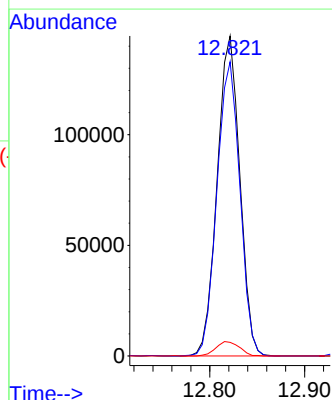
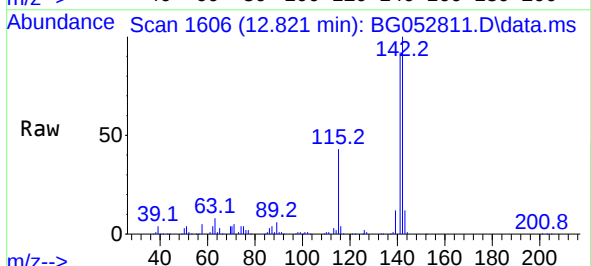
APPROVED

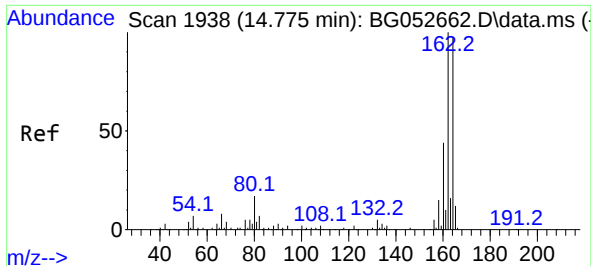
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#38  
1-Methylnaphthalene  
Concen: 40.770 ng  
RT: 12.821 min Scan# 1606  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:142 Resp: 240077  
Ion Ratio Lower Upper  
142 100  
141 91.9 70.5 105.7  
116 4.2 3.1 4.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.766 min Scan# 1938  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

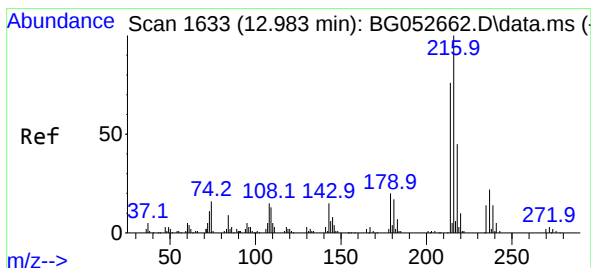
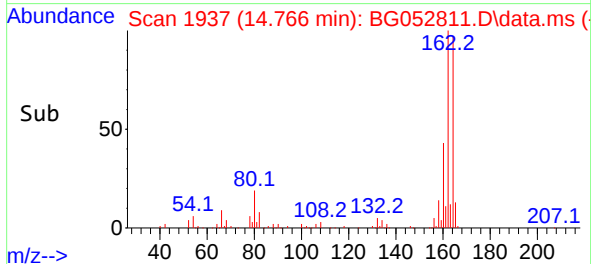
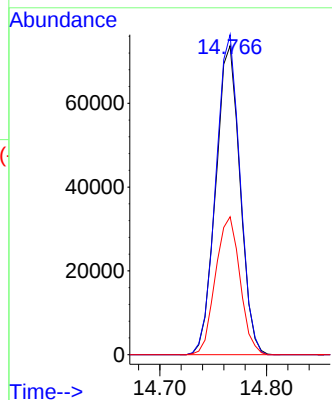
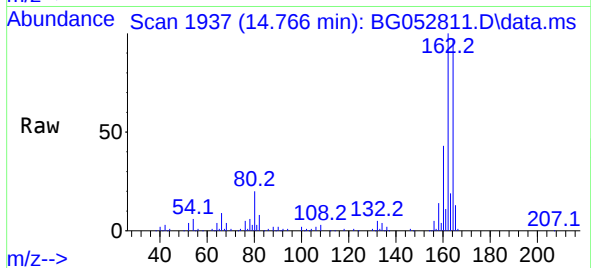
PB143535BS

Tgt Ion:164 Resp: 116530  
Ion Ratio Lower Upper  
164 100  
162 103.6 80.0 120.0  
160 44.6 38.8 58.2

Manual Integrations

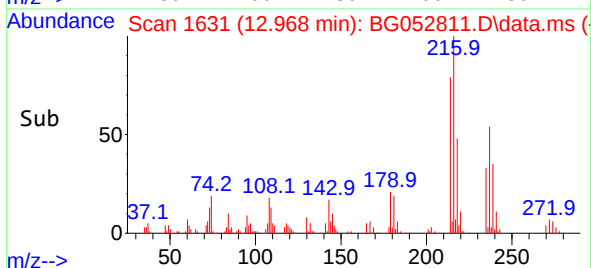
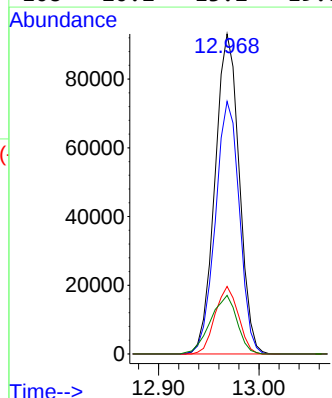
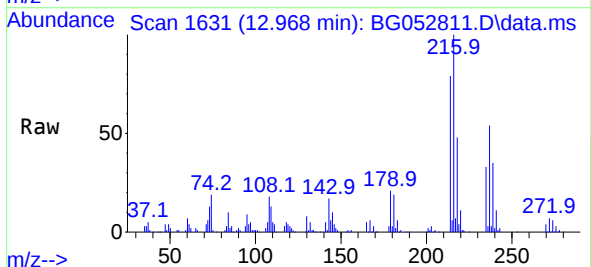
APPROVED

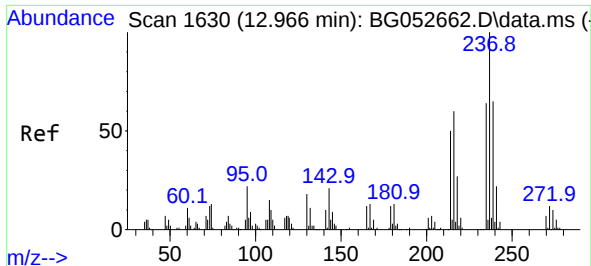
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.809 ng  
RT: 12.968 min Scan# 1631  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

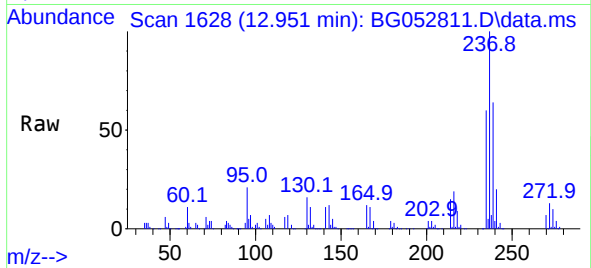
Tgt Ion:216 Resp: 155861  
Ion Ratio Lower Upper  
216 100  
214 78.4 63.8 95.6  
179 20.3 15.7 23.5  
108 20.2 13.2 19.8#





#41  
Hexachlorocyclopentadiene  
Concen: 103.455 ng  
RT: 12.951 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

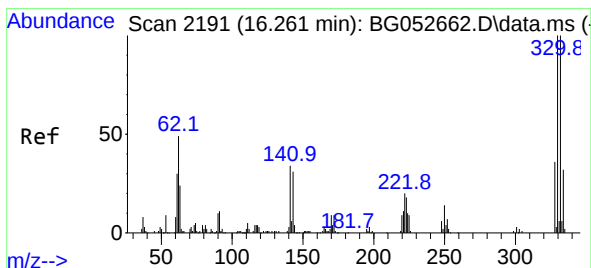
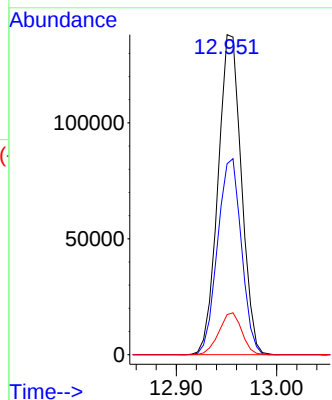
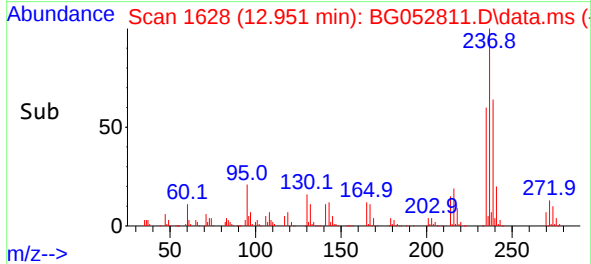
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



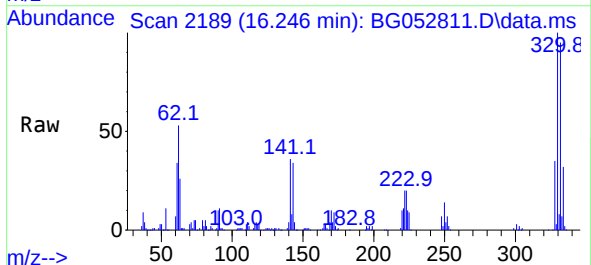
Tgt Ion:237 Resp: 22326  
Ion Ratio Lower Upper  
237 100  
235 59.7 37.7 77.7  
272 12.5 0.0 30.7

Manual Integrations  
APPROVED

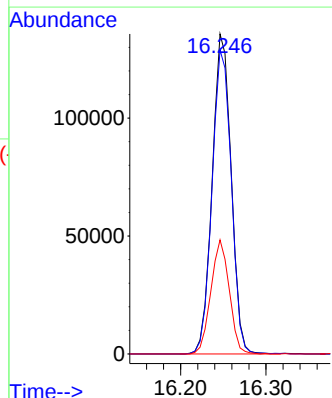
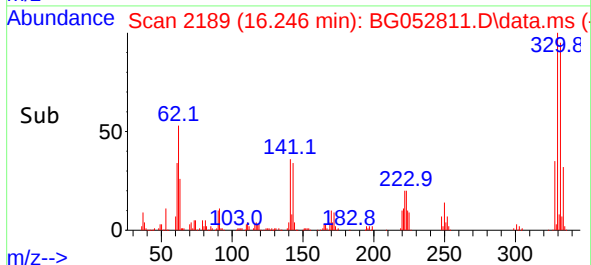
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

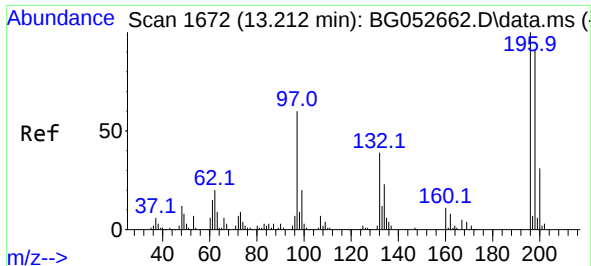


#42  
2,4,6-Tribromophenol  
Concen: 133.714 ng  
RT: 16.246 min Scan# 2189  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:330 Resp: 209387  
Ion Ratio Lower Upper  
330 100  
332 96.3 75.8 113.6  
141 34.6 24.6 36.8





#43  
2,4,6-Trichlorophenol  
Concen: 47.973 ng  
RT: 13.197 min Scan# 1670  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

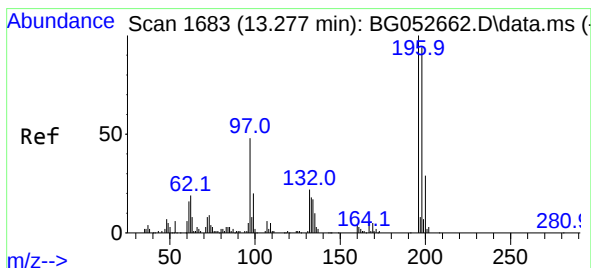
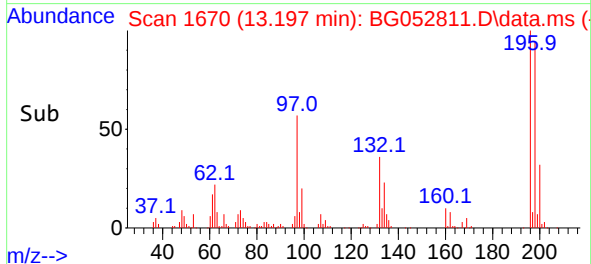
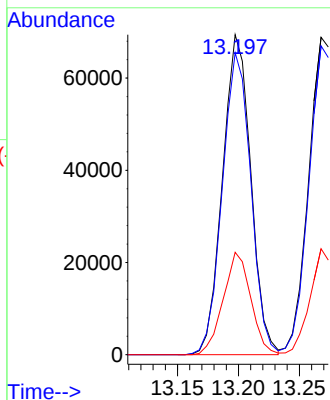
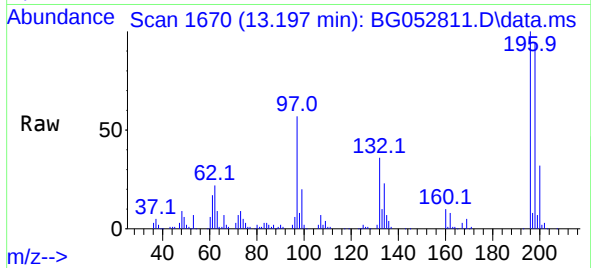
PB143535BS

Tgt Ion:196 Resp: 111852  
Ion Ratio Lower Upper  
196 100  
198 94.4 78.8 118.2  
200 32.0 25.1 37.7

Manual Integrations

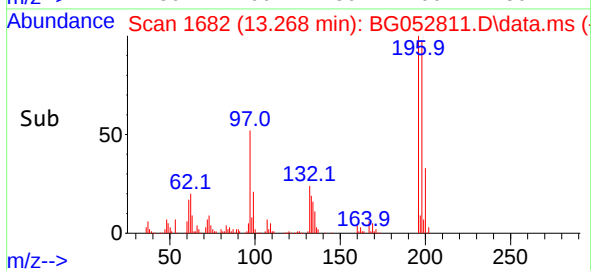
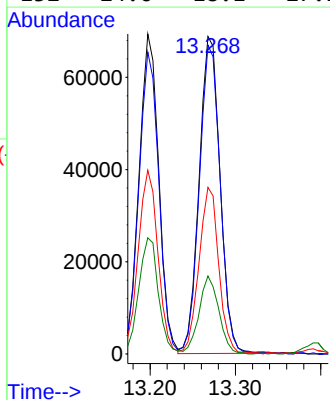
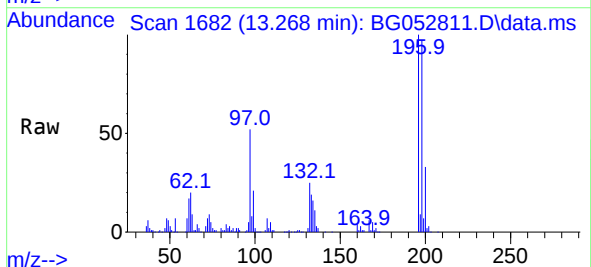
APPROVED

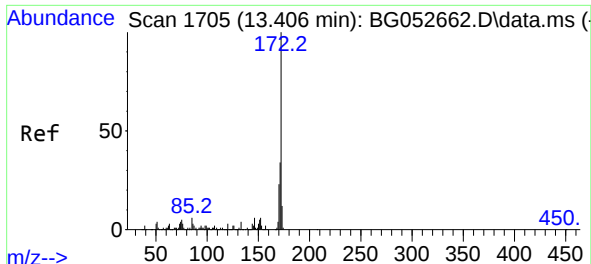
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#44  
2,4,5-Trichlorophenol  
Concen: 49.591 ng  
RT: 13.268 min Scan# 1682  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:196 Resp: 117360  
Ion Ratio Lower Upper  
196 100  
198 97.3 75.8 113.6  
97 52.5 36.5 54.7  
132 24.6 18.1 27.1





#45  
2-Fluorobiphenyl  
Concen: 83.348 ng  
RT: 13.391 min Scan# 1739  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

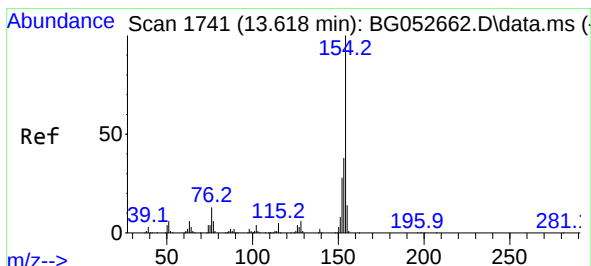
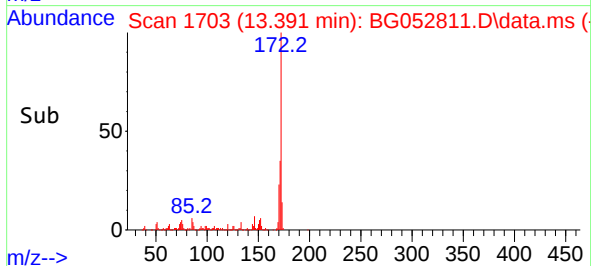
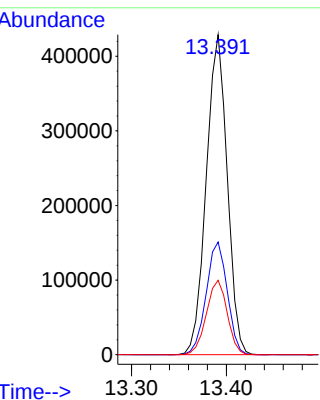
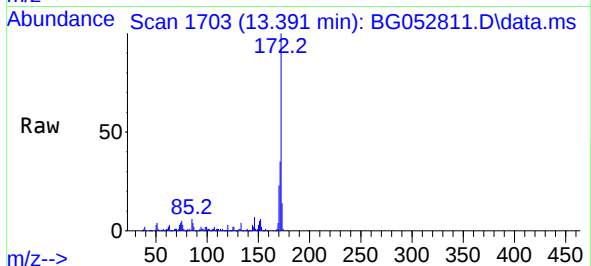
PB143535BS

Tgt Ion:172 Resp: 658579  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.3 42.5  
170 23.2 18.0 27.0

Manual Integrations

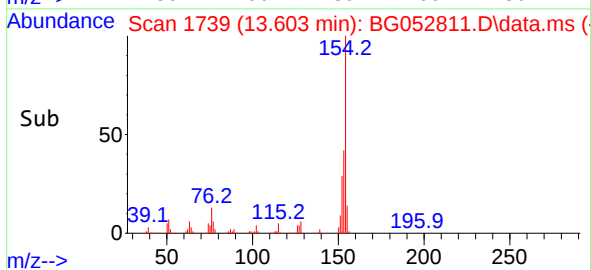
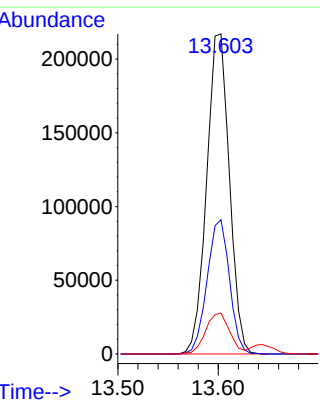
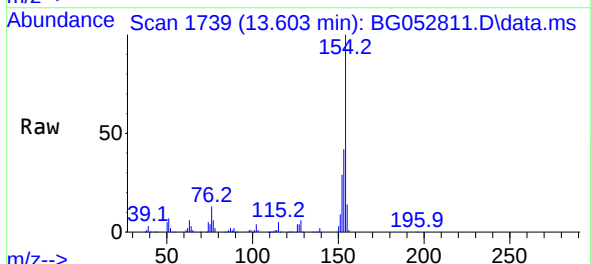
APPROVED

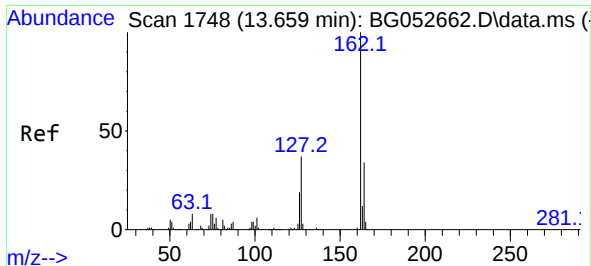
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#46  
1,1'-Biphenyl  
Concen: 41.845 ng  
RT: 13.603 min Scan# 1739  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:154 Resp: 341024  
Ion Ratio Lower Upper  
154 100  
153 42.0 21.6 61.6  
76 12.7 0.0 31.5





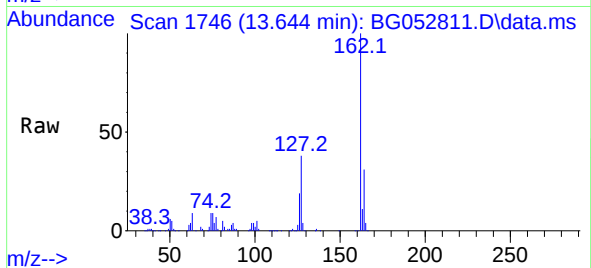
#47  
2-Chloronaphthalene  
Concen: 41.991 ng  
RT: 13.644 min Scan# 1748  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

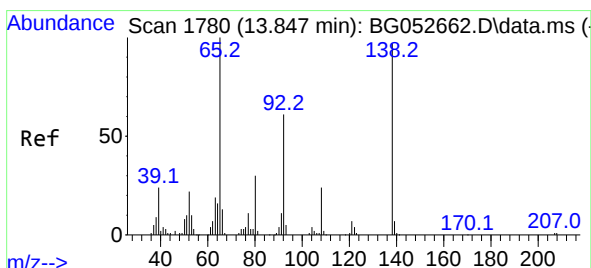
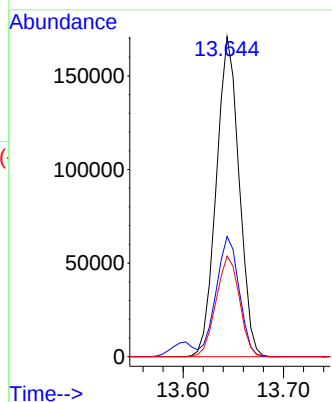
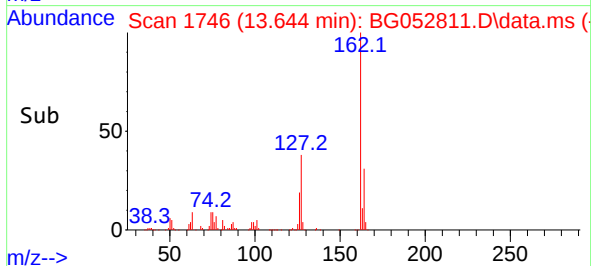


Tgt Ion:162 Resp: 26950  
Ion Ratio Lower Upper  
162 100  
127 37.5 28.1 42.1  
164 31.4 26.0 39.0

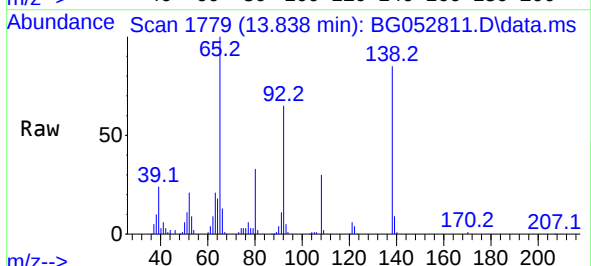
Manual Integrations

APPROVED

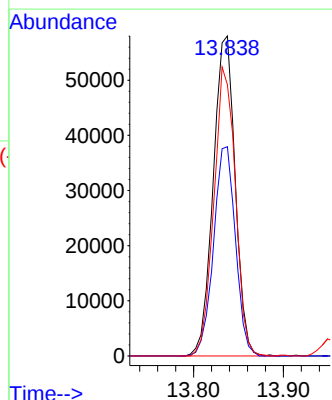
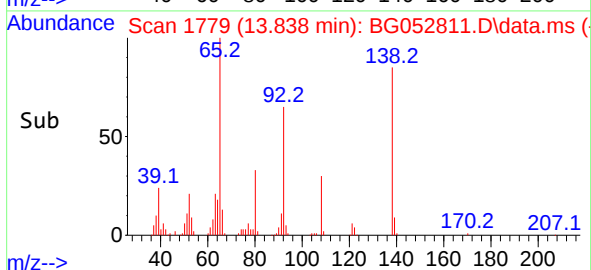
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

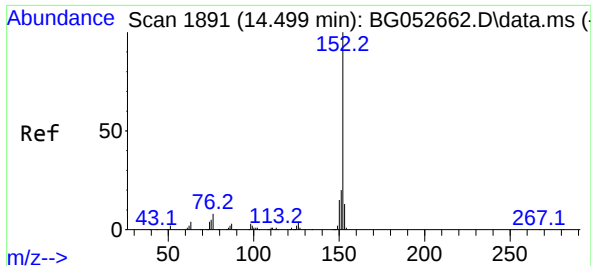


#48  
2-Nitroaniline  
Concen: 56.122 ng  
RT: 13.838 min Scan# 1779  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion: 65 Resp: 98510  
Ion Ratio Lower Upper  
65 100  
92 65.4 52.1 78.1  
138 84.8 80.1 120.1





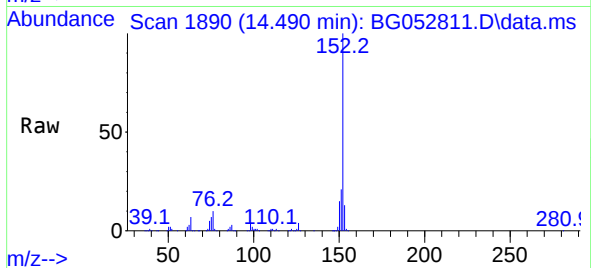
#49  
Acenaphthylene  
Concen: 44.197 ng  
RT: 14.490 min Scan# 1891  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

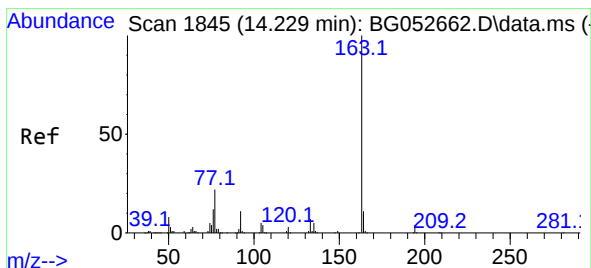
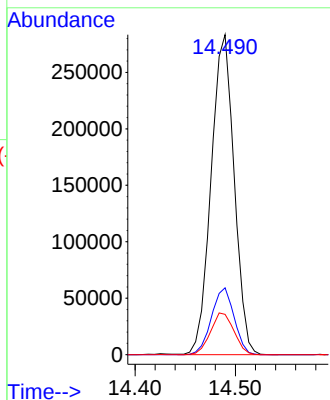
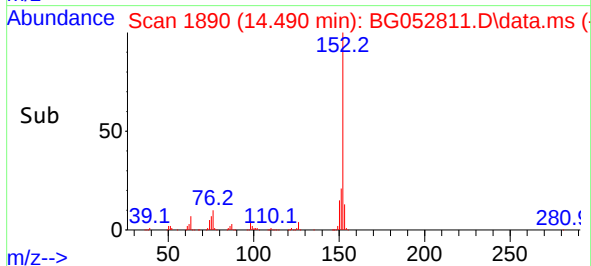


Tgt Ion:152 Resp: 452179  
Ion Ratio Lower Upper  
152 100  
151 20.9 15.8 23.6  
153 12.6 10.6 15.8

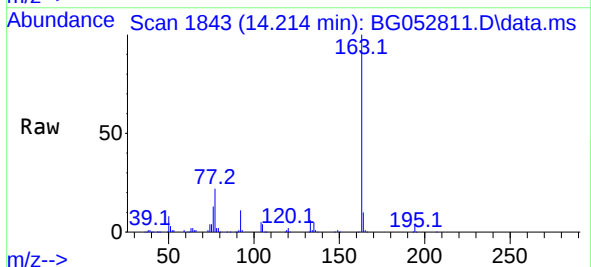
Manual Integrations

APPROVED

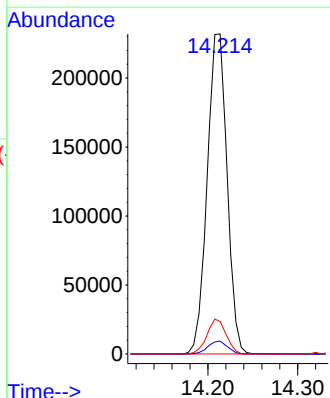
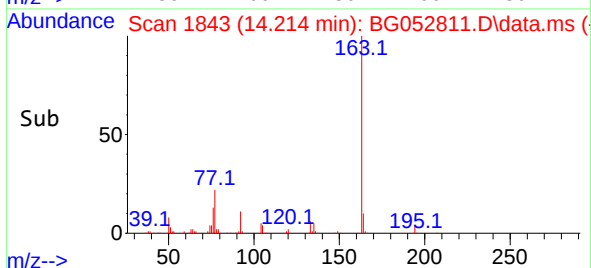
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

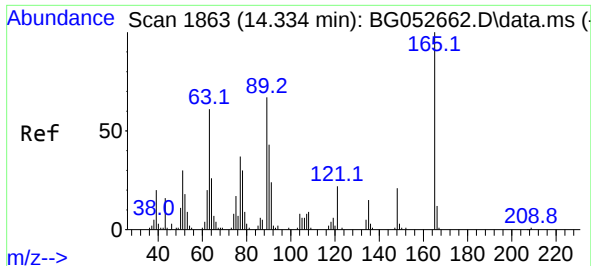


#50  
Dimethylphthalate  
Concen: 41.172 ng  
RT: 14.214 min Scan# 1843  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:163 Resp: 356592  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.2 8.5 12.7





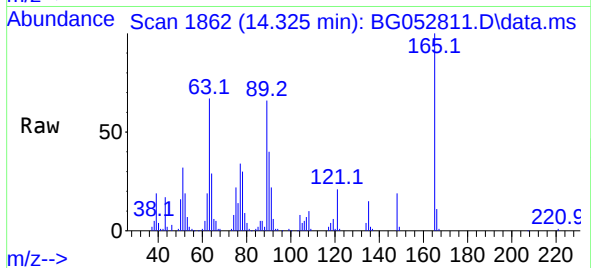
#51  
2,6-Dinitrotoluene  
Concen: 53.907 ng  
RT: 14.325 min Scan# 1862  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

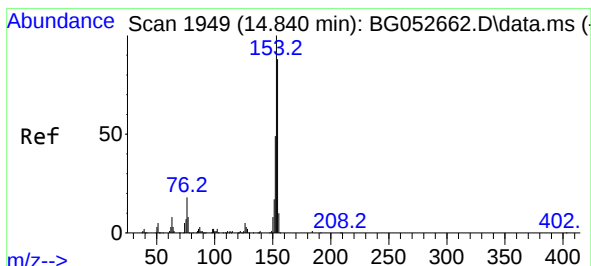
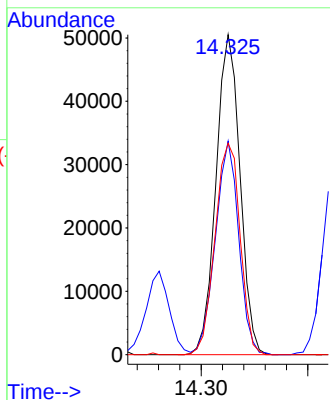
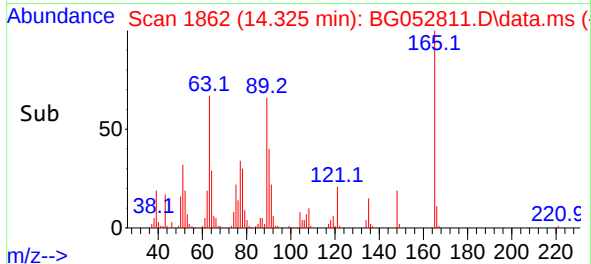


Tgt Ion:165 Resp: 78829  
Ion Ratio Lower Upper  
165 100  
63 66.7 43.7 65.5  
89 66.0 45.0 67.4

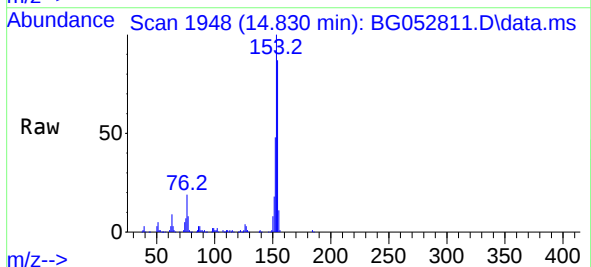
Manual Integrations

APPROVED

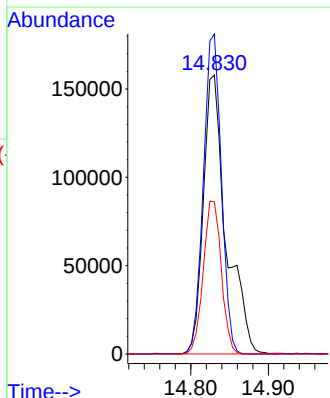
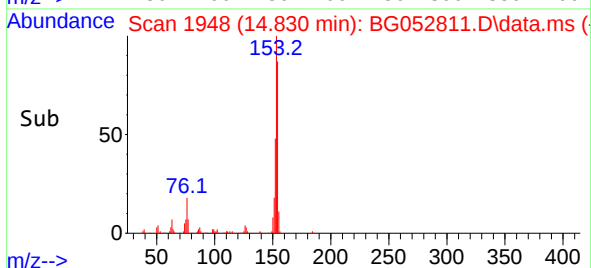
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

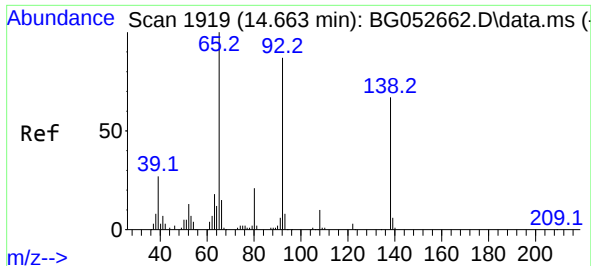


#52  
Acenaphthene  
Concen: 49.275 ng  
RT: 14.830 min Scan# 1948  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:154 Resp: 322972  
Ion Ratio Lower Upper  
154 100  
153 114.8 89.0 133.4  
152 54.6 40.5 60.7





#53  
3-Nitroaniline  
Concen: 32.751 ng  
RT: 14.654 min Scan# 1918  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

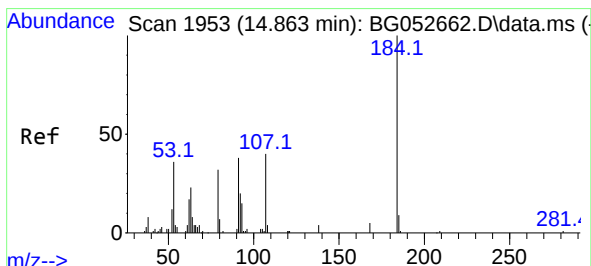
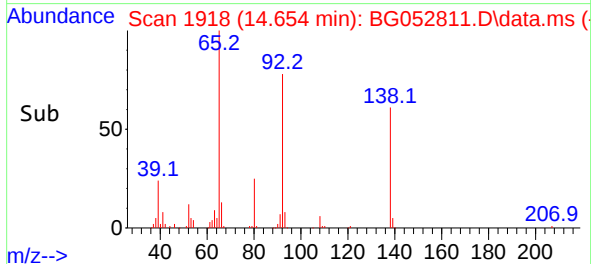
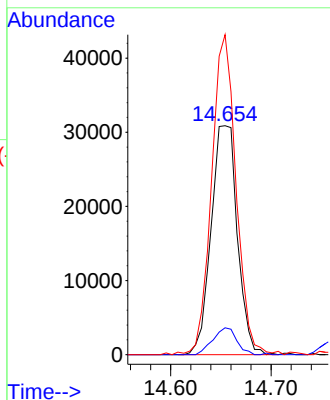
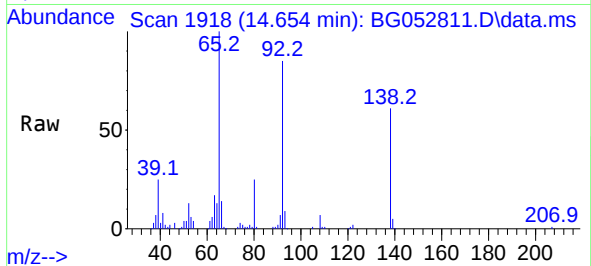
ClientSampleId :

PB143535BS

Tgt Ion:138 Resp: 5604  
Ion Ratio Lower Upper  
138 100  
108 11.7 8.0 12.0  
92 139.8 96.2 144.2

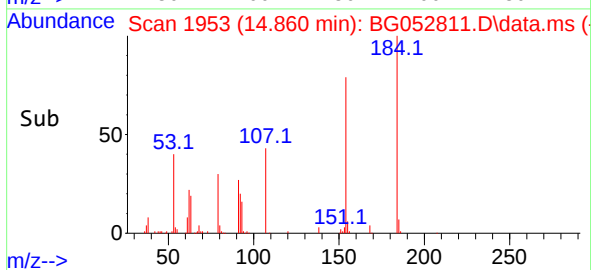
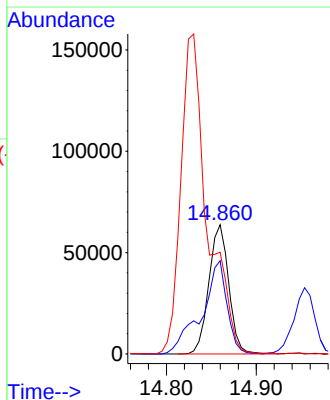
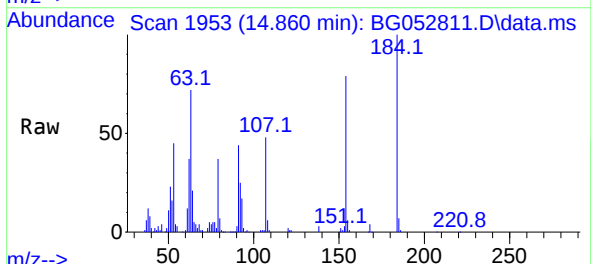
Manual Integrations  
APPROVED

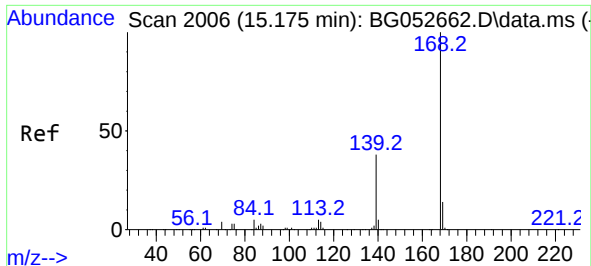
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#54  
2,4-Dinitrophenol  
Concen: 122.923 ng  
RT: 14.860 min Scan# 1953  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:184 Resp: 97981  
Ion Ratio Lower Upper  
184 100  
63 72.2 51.8 77.6  
154 78.7 47.8 71.6#





#55  
Dibenzenofuran  
Concen: 40.008 ng  
RT: 15.159 min Scan# 2004  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

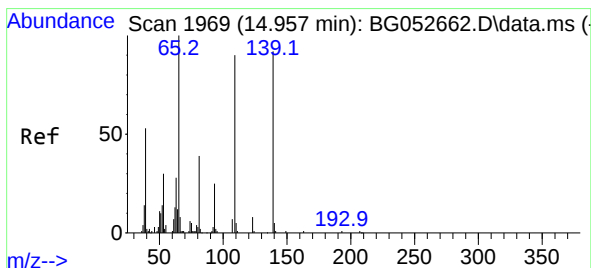
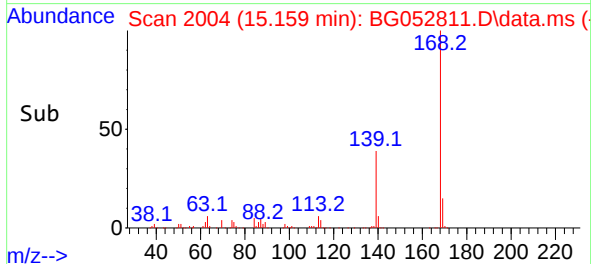
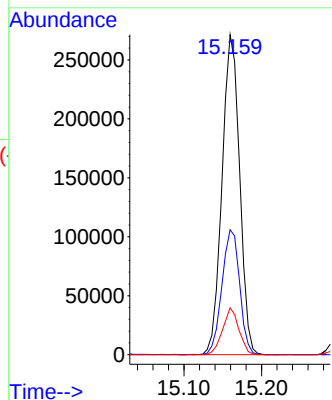
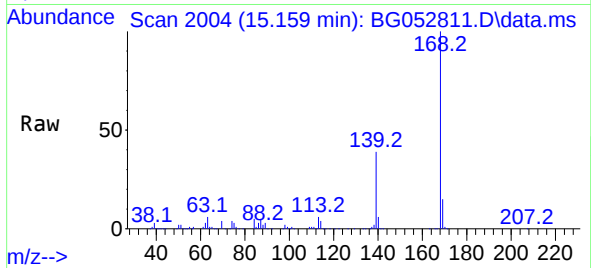
PB143535BS

Tgt Ion:168 Resp: 428235  
Ion Ratio Lower Upper  
168 100  
139 39.1 30.2 45.4  
169 14.6 10.7 16.1

Manual Integrations

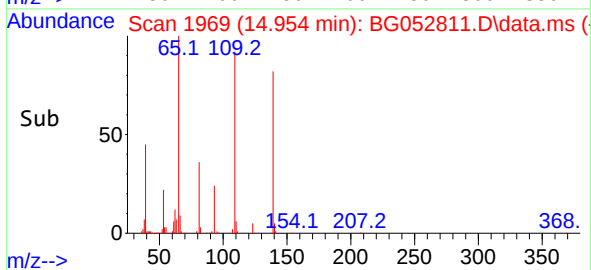
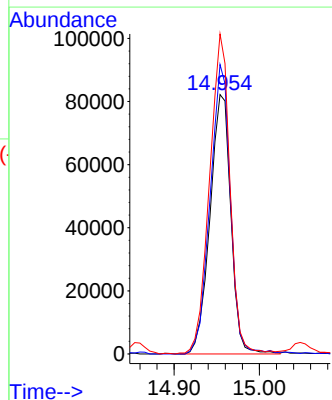
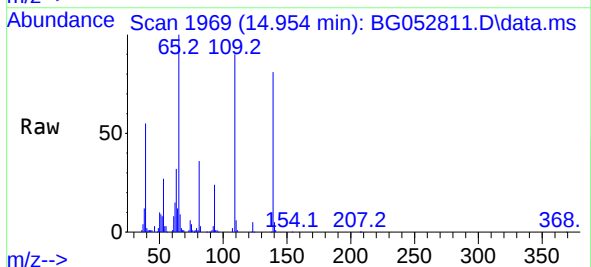
APPROVED

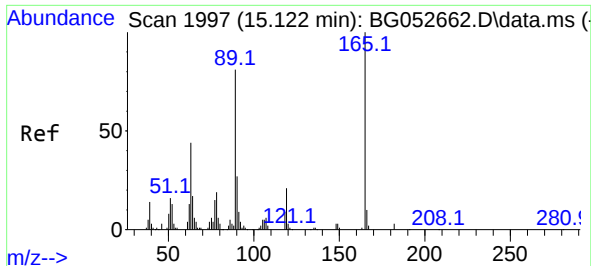
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#56  
4-Nitrophenol  
Concen: 99.989 ng  
RT: 14.954 min Scan# 1969  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:139 Resp: 139565  
Ion Ratio Lower Upper  
139 100  
109 111.5 67.1 107.1#  
65 123.3 88.2 128.2





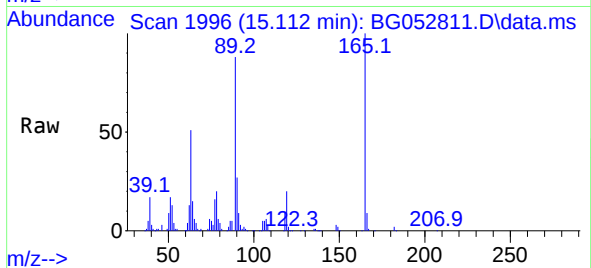
#57  
2,4-Dinitrotoluene  
Concen: 54.402 ng  
RT: 15.112 min Scan# 1996  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

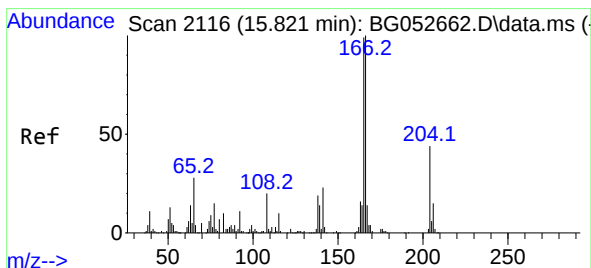
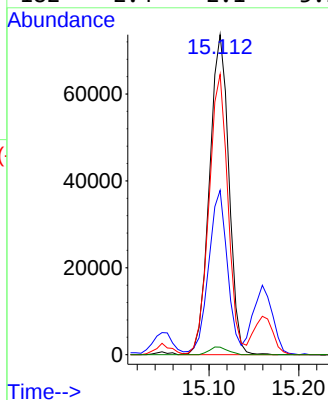
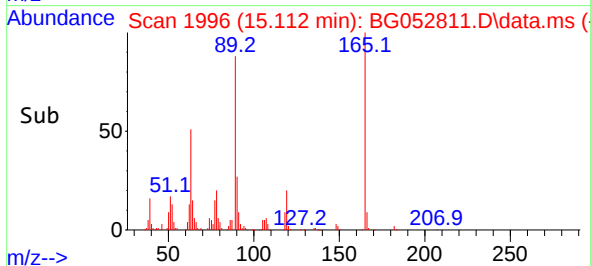


Tgt Ion:165 Resp: 110380  
Ion Ratio Lower Upper  
165 100  
63 51.4 34.8 52.2  
89 87.6 57.4 86.0  
182 2.4 2.1 3.1

Manual Integrations

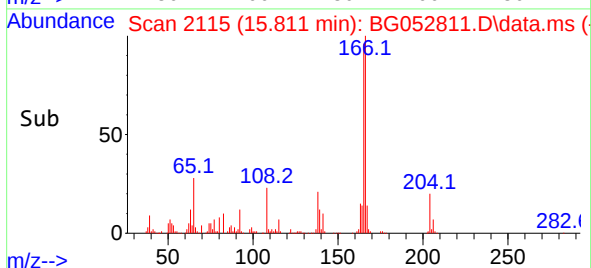
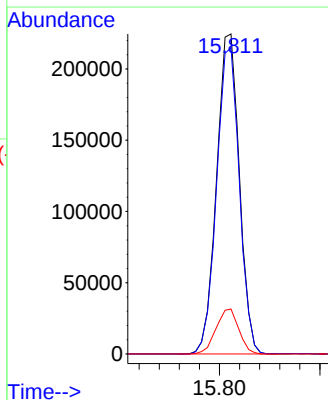
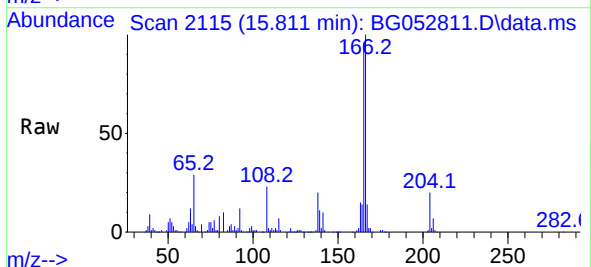
APPROVED

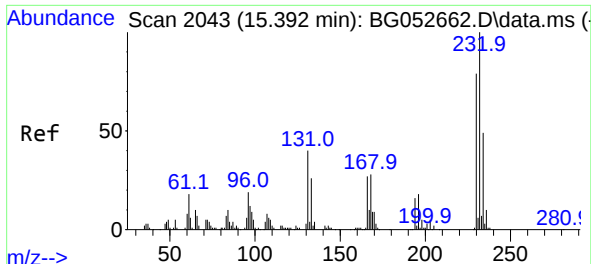
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#58  
Fluorene  
Concen: 40.441 ng  
RT: 15.811 min Scan# 2115  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:166 Resp: 352854  
Ion Ratio Lower Upper  
166 100  
165 95.7 78.6 117.8  
167 14.0 10.9 16.3





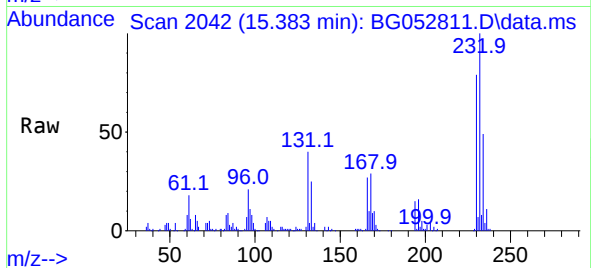
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.374 ng  
RT: 15.383 min Scan# 2043  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

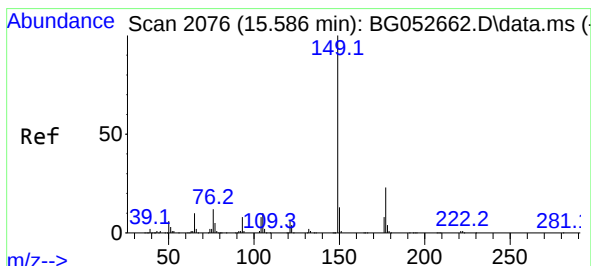
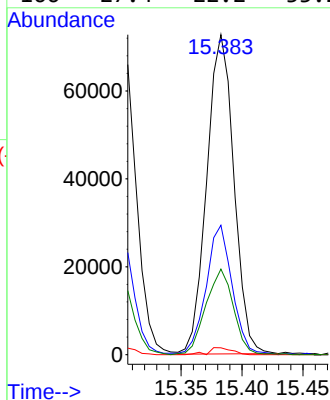
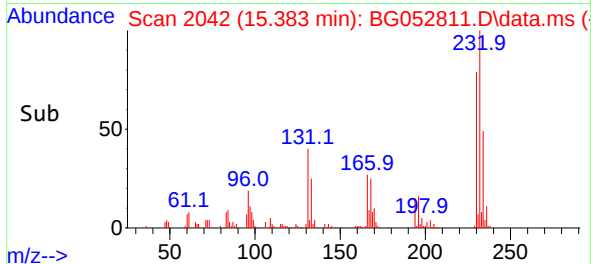


Tgt Ion:232 Resp: 11224  
Ion Ratio Lower Upper  
232 100  
131 39.3 30.1 45.1  
130 1.9 1.8 2.8  
166 27.4 22.2 33.2

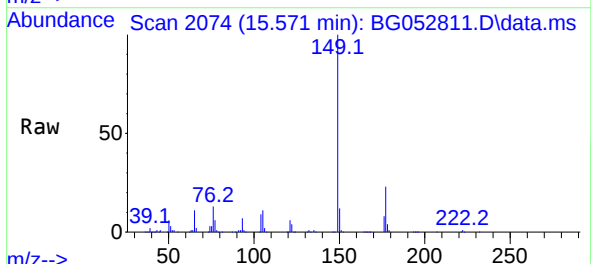
Manual Integrations

APPROVED

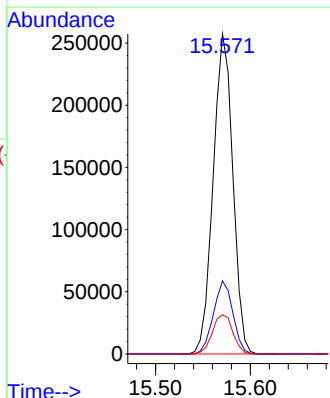
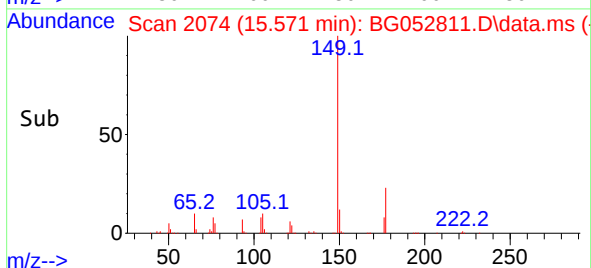
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

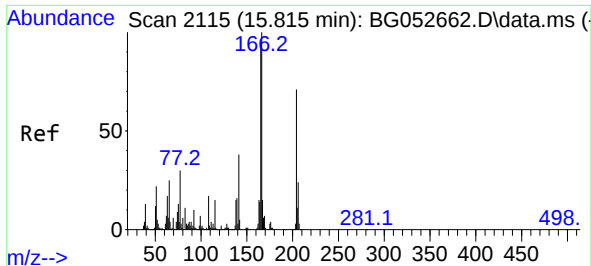


#60  
Diethylphthalate  
Concen: 40.503 ng  
RT: 15.571 min Scan# 2074  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:149 Resp: 370299  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.2 27.2  
150 12.3 9.9 14.9





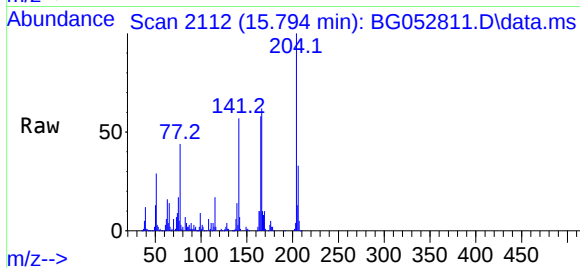
#61  
4-Chlorophenyl-phenylether  
Concen: 40.945 ng  
RT: 15.794 min Scan# 2112  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

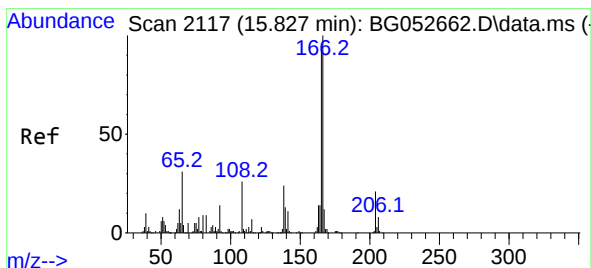
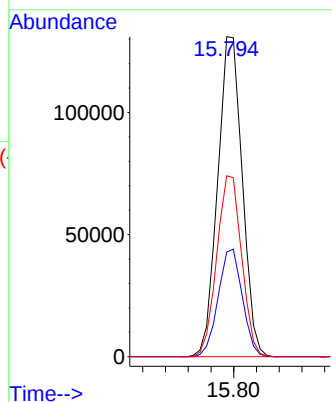
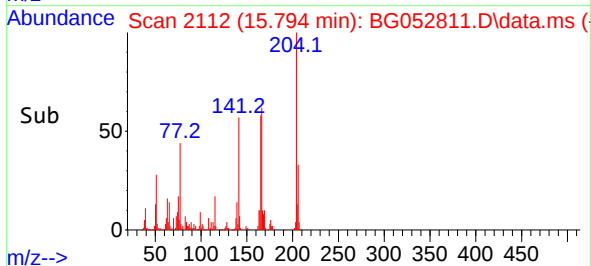


Tgt Ion:204 Resp: 197018  
Ion Ratio Lower Upper  
204 100  
206 32.7 28.3 42.5  
141 56.6 45.8 68.8

Manual Integrations

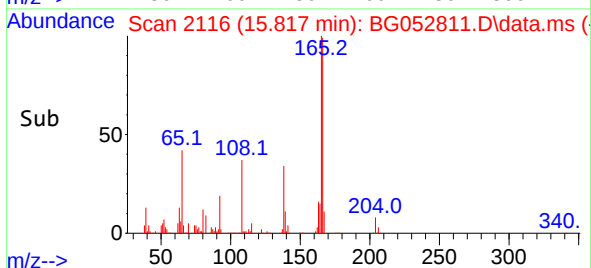
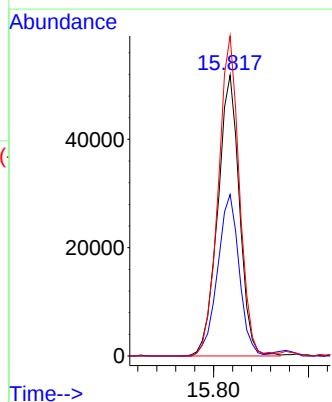
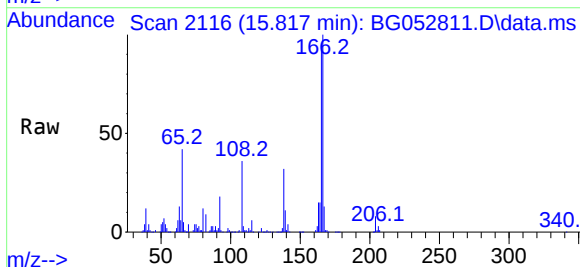
APPROVED

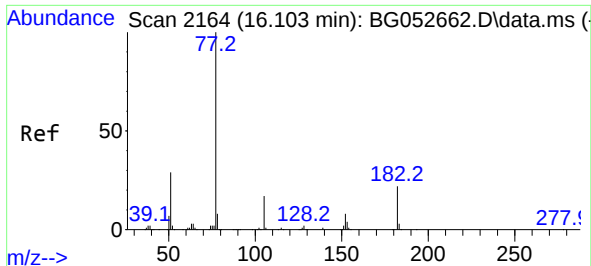
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#62  
4-Nitroaniline  
Concen: 45.653 ng  
RT: 15.817 min Scan# 2116  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

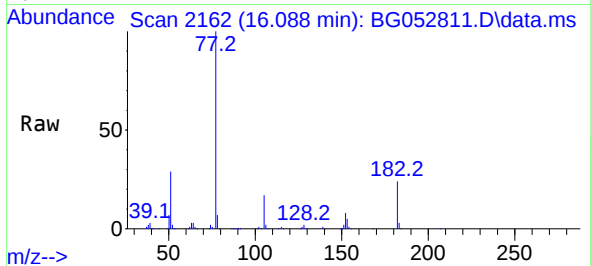
Tgt Ion:138 Resp: 82544  
Ion Ratio Lower Upper  
138 100  
92 57.5 33.3 73.3  
108 114.0 74.2 114.2





#63  
Azobenzene  
Concen: 39.255 ng  
RT: 16.088 min Scan# 2164  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

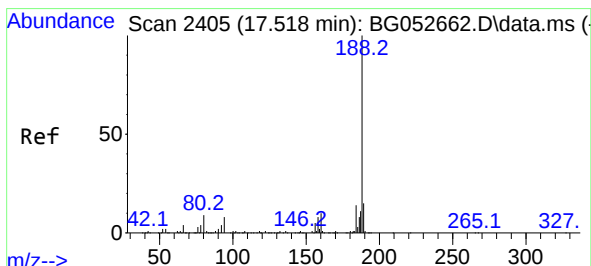
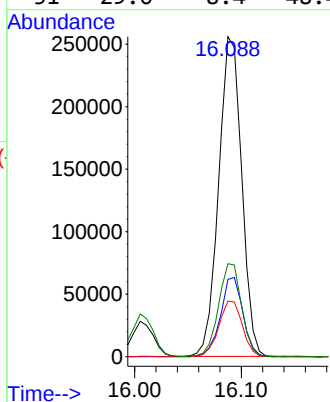
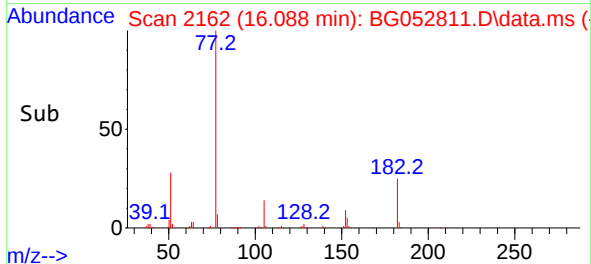
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



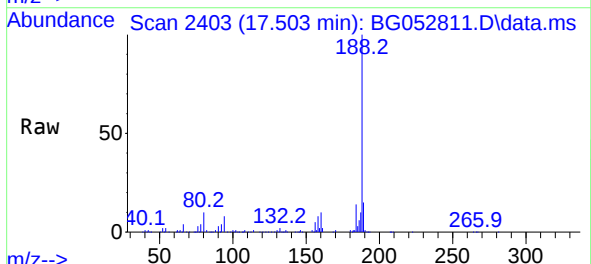
Tgt Ion: 77 Resp: 383580  
Ion Ratio Lower Upper  
77 100  
182 24.1 5.6 45.6  
105 17.4 0.0 38.8  
51 29.0 8.4 48.4

Manual Integrations  
APPROVED

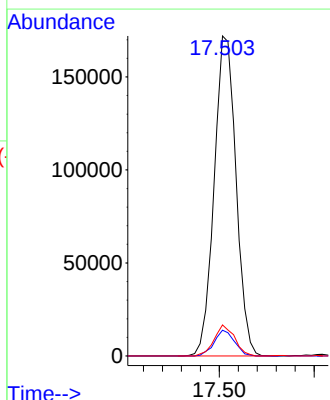
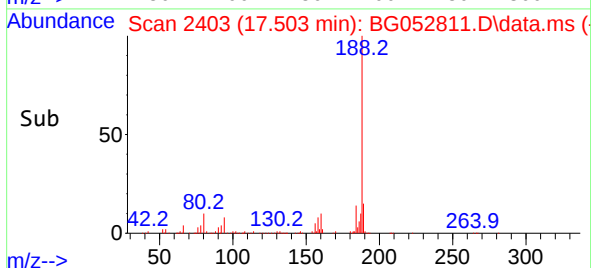
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

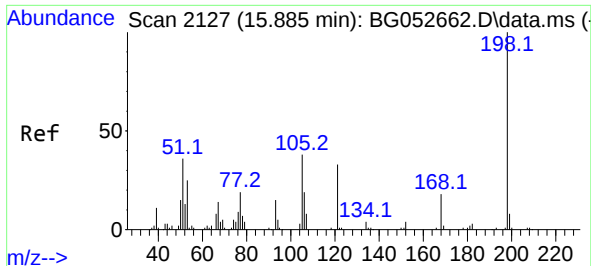


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.503 min Scan# 2403  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:188 Resp: 275969  
Ion Ratio Lower Upper  
188 100  
94 8.0 5.7 8.5  
80 9.7 7.2 10.8





#65  
4,6-Dinitro-2-methylphenol  
Concen: 52.808 ng  
RT: 15.876 min Scan# 2127  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

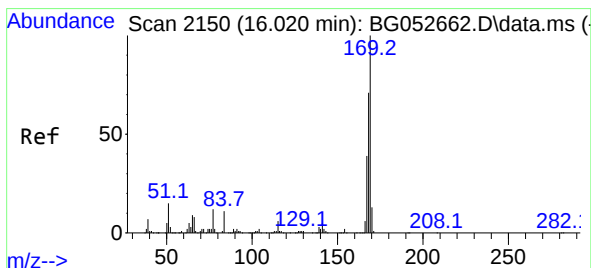
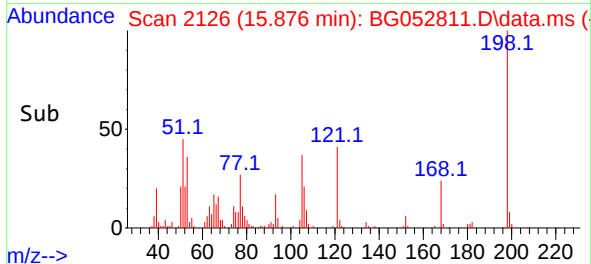
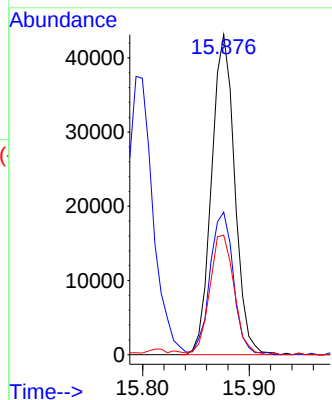
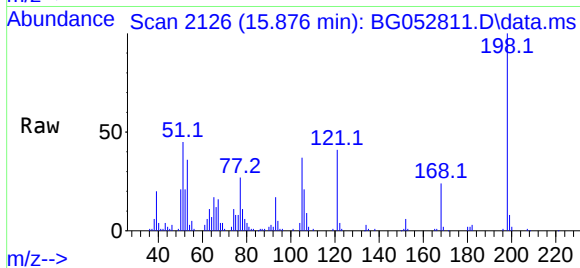
PB143535BS

Tgt Ion:198 Resp: 64970  
Ion Ratio Lower Upper  
198 100  
51 44.5 21.7 61.7  
105 37.3 20.8 60.8

Manual Integrations

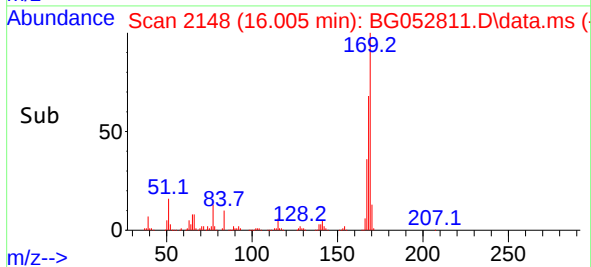
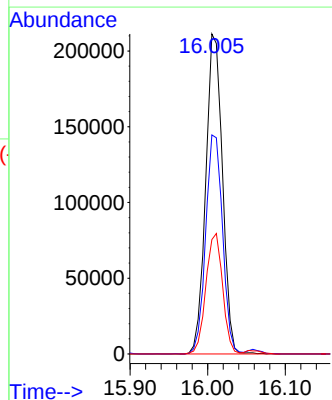
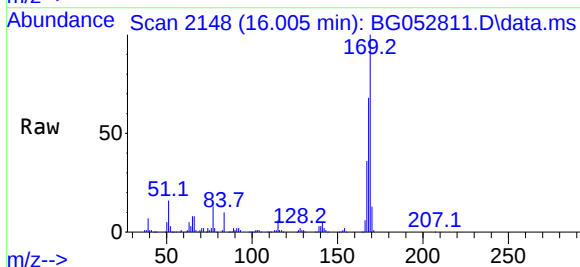
APPROVED

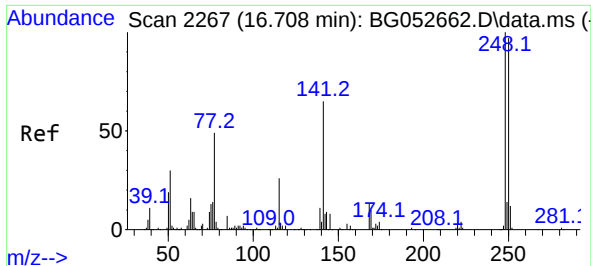
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#66  
n-Nitrosodiphenylamine  
Concen: 40.629 ng  
RT: 16.005 min Scan# 2148  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:169 Resp: 315665  
Ion Ratio Lower Upper  
169 100  
168 68.4 54.5 81.7  
167 35.8 29.6 44.4





#67  
4-Bromophenyl-phenylether  
Concen: 41.730 ng  
RT: 16.693 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

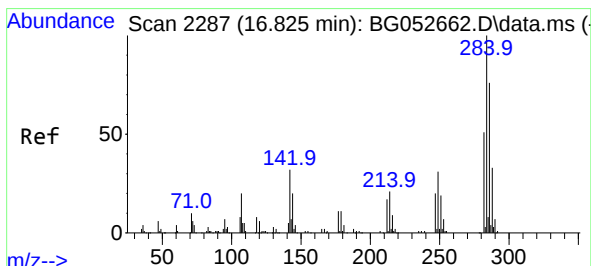
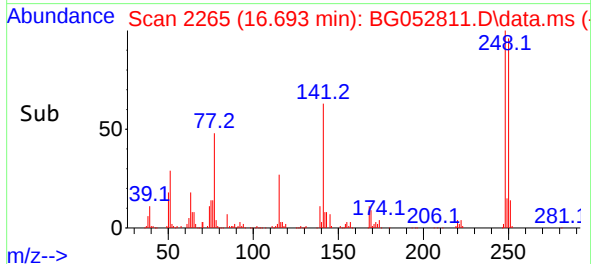
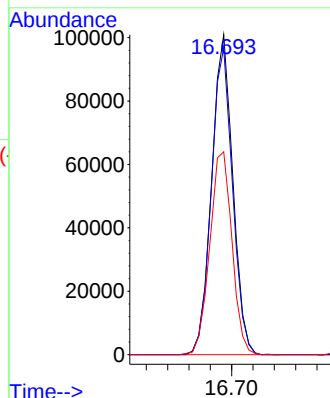
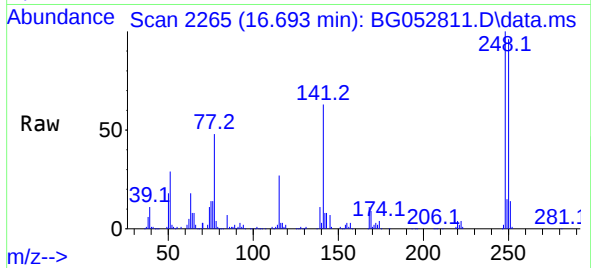
PB143535BS

Tgt Ion:248 Resp: 13884  
Ion Ratio Lower Upper  
248 100  
250 95.8 77.9 116.9  
141 63.4 49.2 73.8

Manual Integrations

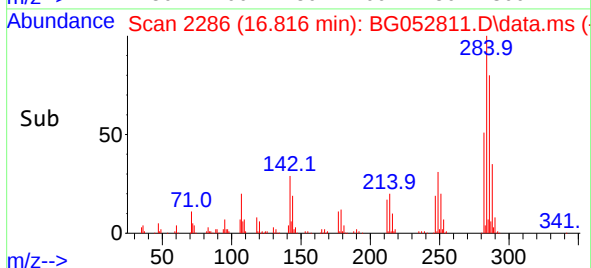
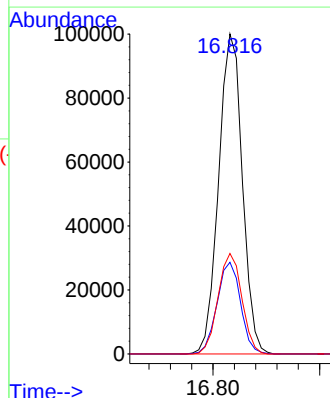
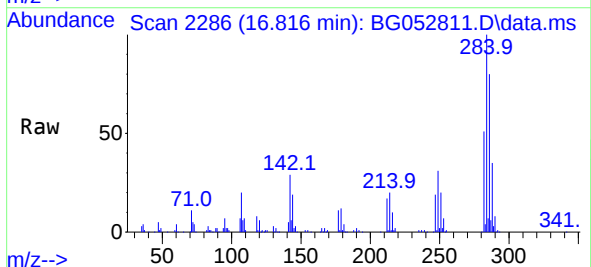
APPROVED

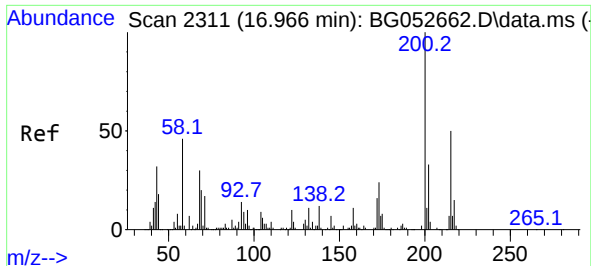
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#68  
Hexachlorobenzene  
Concen: 43.069 ng  
RT: 16.816 min Scan# 2286  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

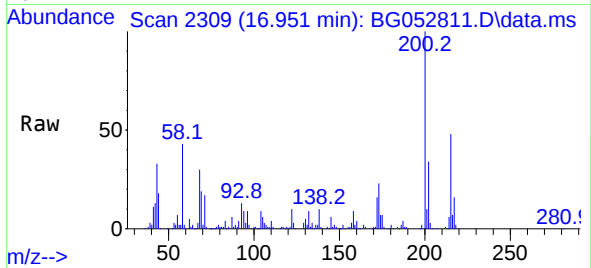
Tgt Ion:284 Resp: 154026  
Ion Ratio Lower Upper  
284 100  
142 28.6 21.0 31.4  
249 31.4 22.7 34.1





#69  
Atrazine  
Concen: 47.550 ng  
RT: 16.951 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

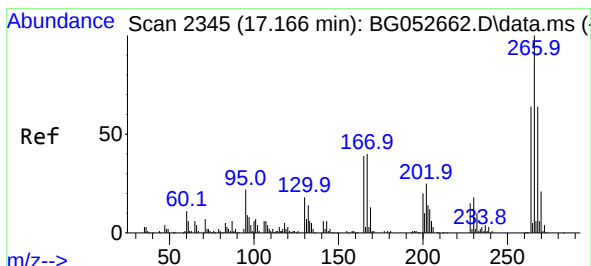
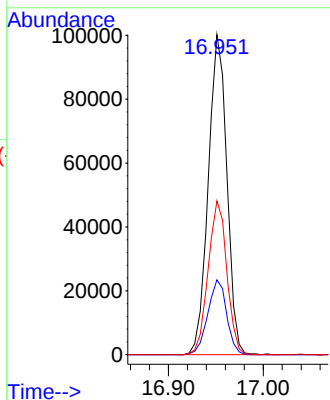
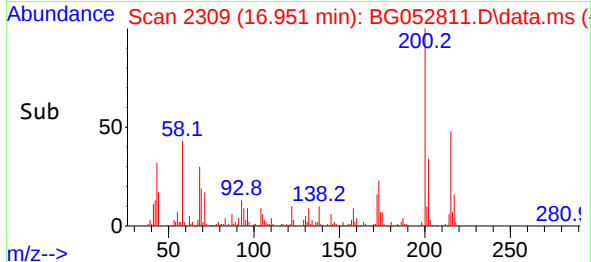
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



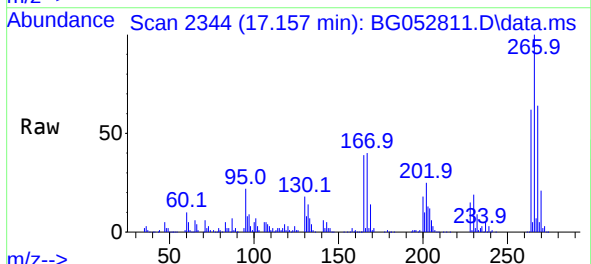
Tgt Ion:200 Resp: 13622  
Ion Ratio Lower Upper  
200 100  
173 23.4 3.8 43.8  
215 48.1 26.3 66.3

Manual Integrations  
APPROVED

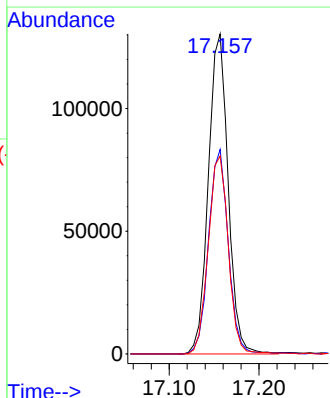
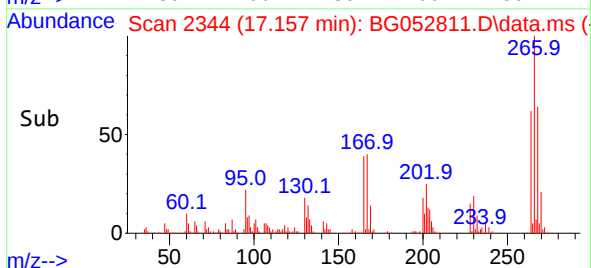
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

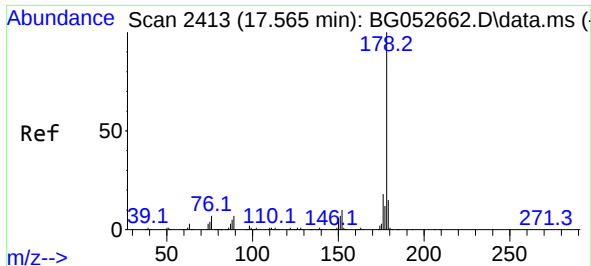


#70  
Pentachlorophenol  
Concen: 89.856 ng  
RT: 17.157 min Scan# 2344  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



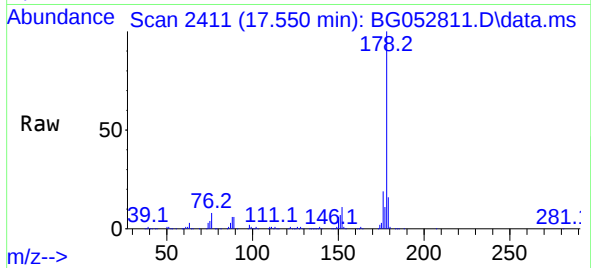
Tgt Ion:266 Resp: 199361  
Ion Ratio Lower Upper  
266 100  
268 63.9 45.9 68.9  
264 61.9 45.3 67.9





#71  
Phenanthrene  
Concen: 41.202 ng  
RT: 17.550 min Scan# 2411  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

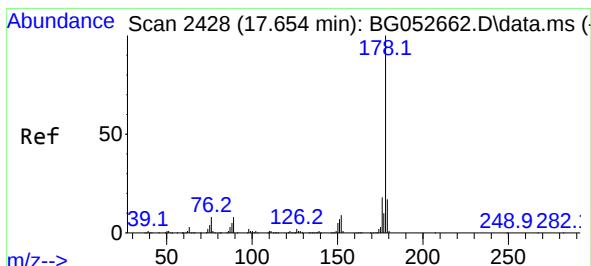
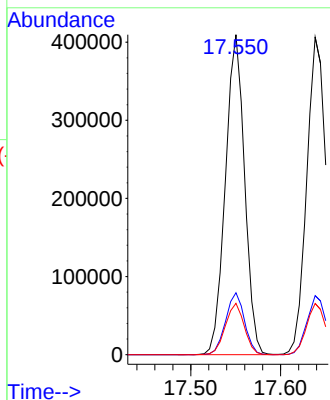
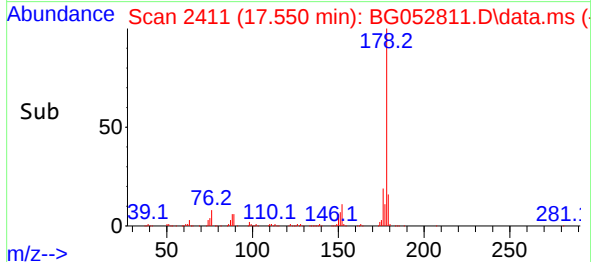
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



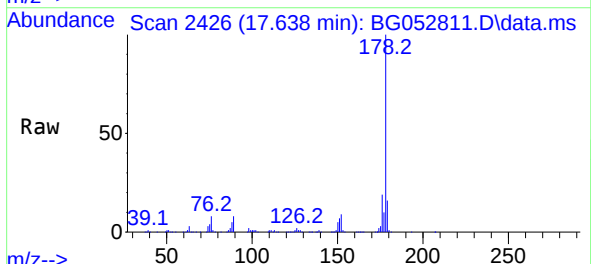
Tgt Ion:178 Resp: 608294  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.9 23.9  
179 16.0 13.4 20.2

Manual Integrations  
APPROVED

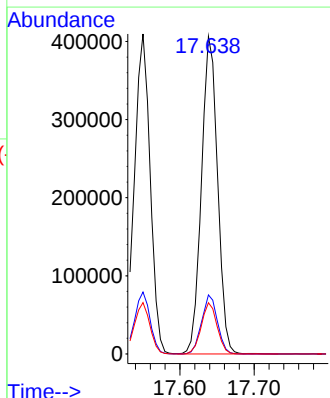
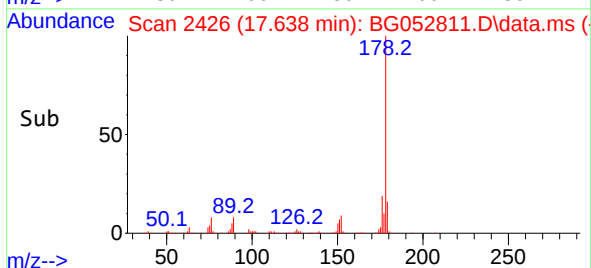
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

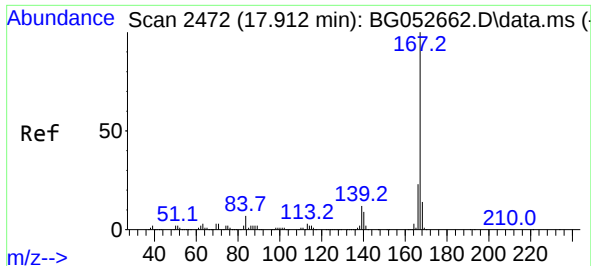


#72  
Anthracene  
Concen: 42.148 ng  
RT: 17.638 min Scan# 2426  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:178 Resp: 615142  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.7 22.1  
179 16.1 13.2 19.8





#73  
Carbazole  
Concen: 39.963 ng  
RT: 17.903 min Scan# 2472  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

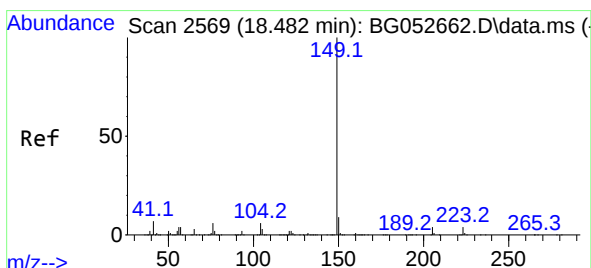
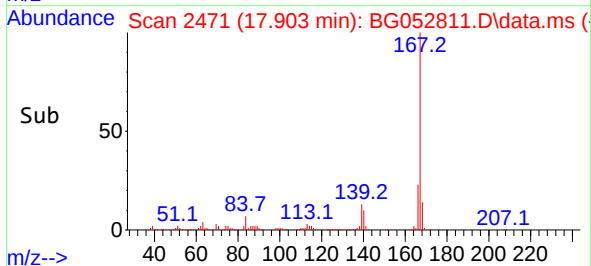
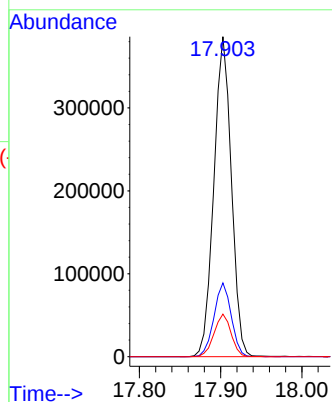
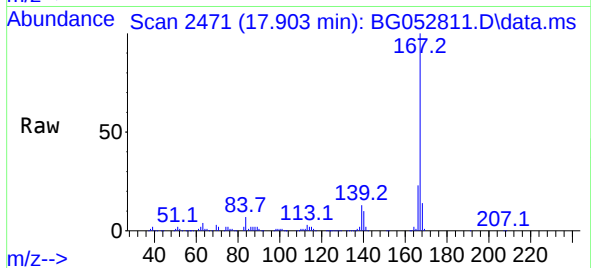
PB143535BS

Tgt Ion:167 Resp: 577644  
Ion Ratio Lower Upper  
167 100  
166 23.0 18.5 27.7  
139 13.3 10.0 15.0

Manual Integrations

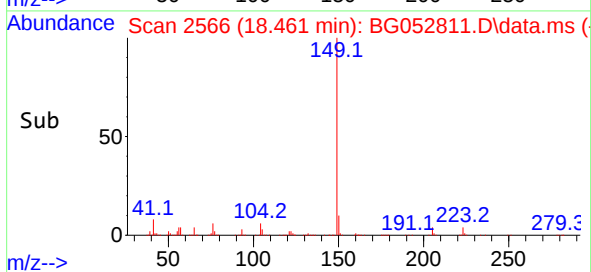
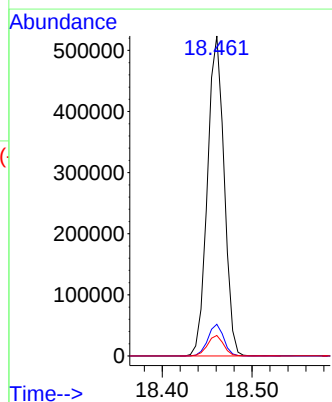
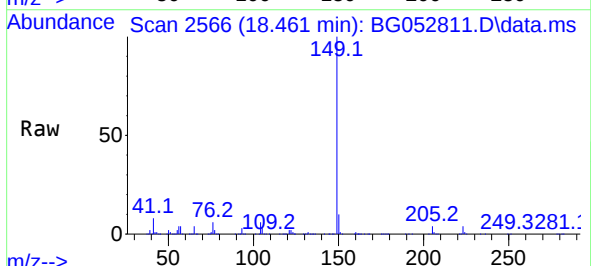
APPROVED

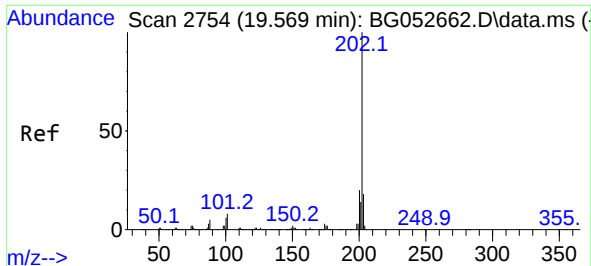
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#74  
Di-n-butylphthalate  
Concen: 42.747 ng  
RT: 18.461 min Scan# 2566  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:149 Resp: 675007  
Ion Ratio Lower Upper  
149 100  
150 9.9 7.0 10.6  
104 6.4 4.6 7.0





#75  
Fluoranthene  
Concen: 43.190 ng  
RT: 19.553 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

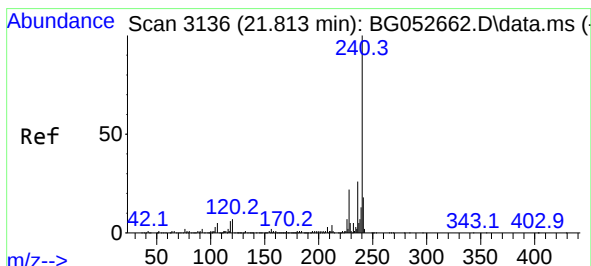
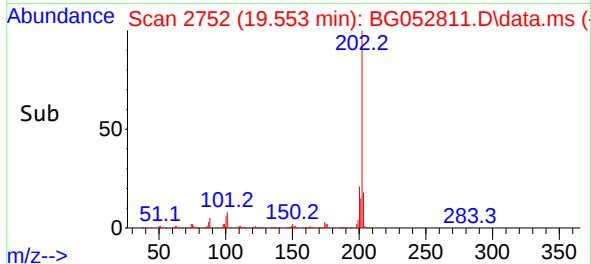
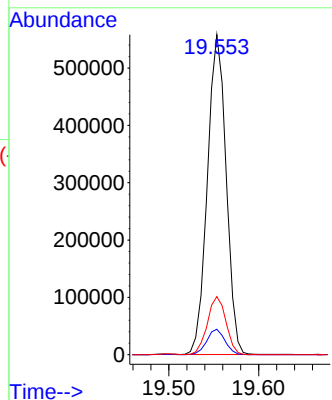
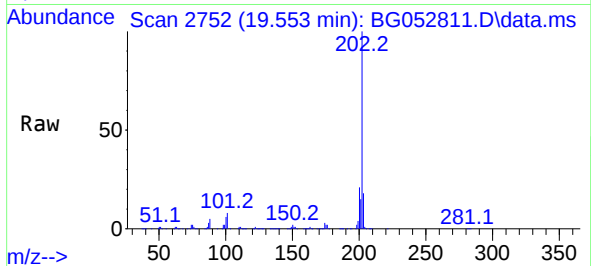
ClientSampleId :

PB143535BS

Tgt Ion:202 Resp: 809404  
Ion Ratio Lower Upper  
202 100  
101 7.9 0.0 27.3  
203 18.1 0.0 37.7

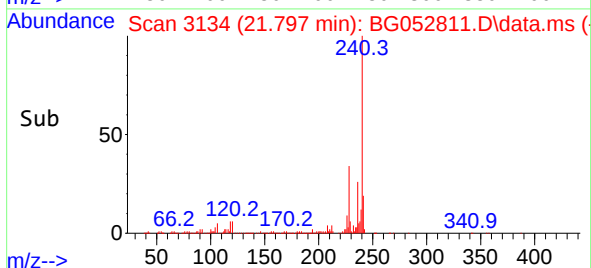
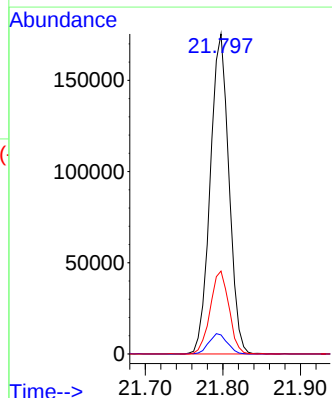
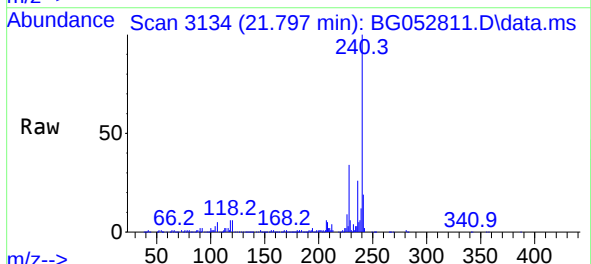
Manual Integrations  
APPROVED

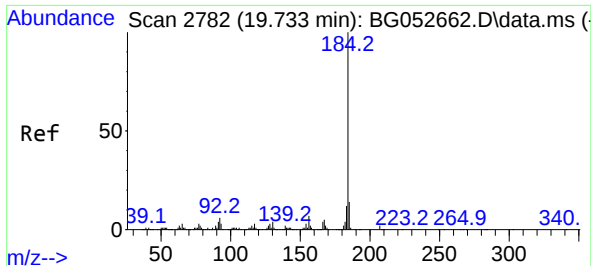
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.797 min Scan# 3134  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:240 Resp: 293160  
Ion Ratio Lower Upper  
240 100  
120 6.0 5.4 8.0  
236 25.9 19.8 29.6





#77  
Benzidine  
Concen: 50.776 ng  
RT: 19.724 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

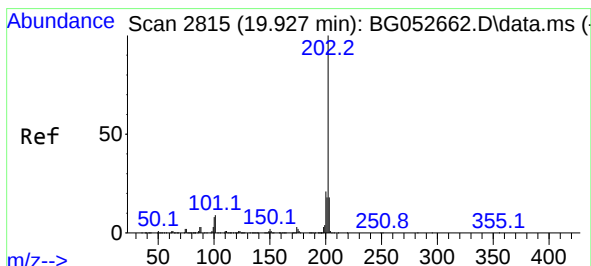
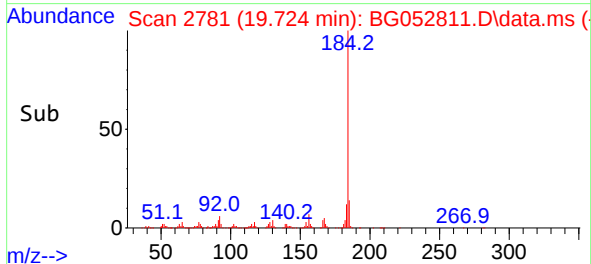
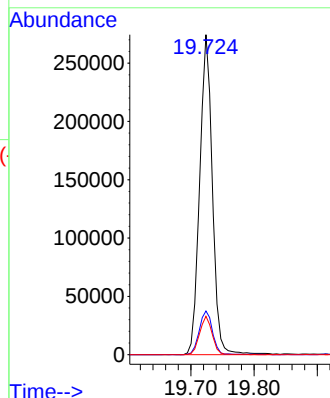
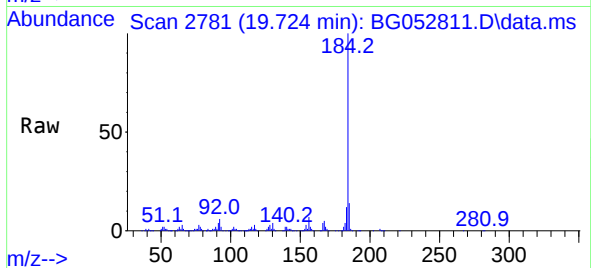
PB143535BS

Tgt Ion:184 Resp: 383929  
Ion Ratio Lower Upper  
184 100  
185 13.7 11.5 17.3  
183 12.0 9.4 14.2

Manual Integrations

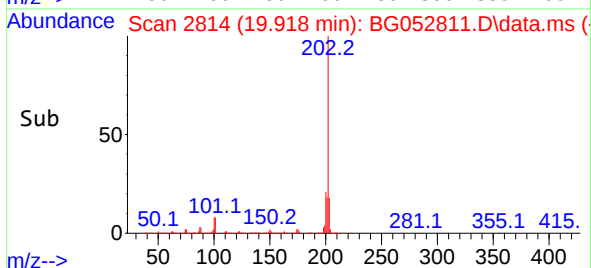
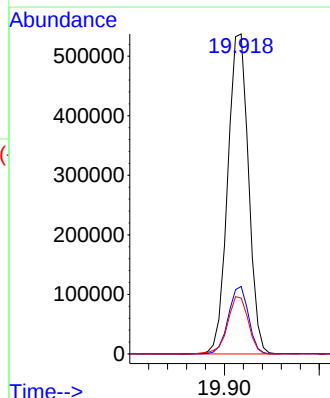
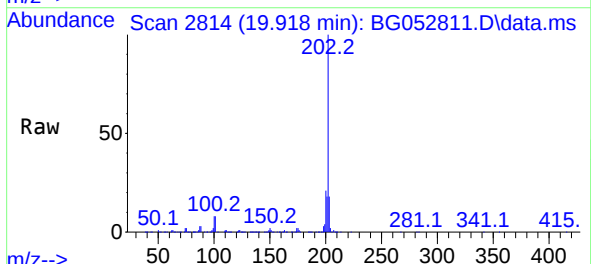
APPROVED

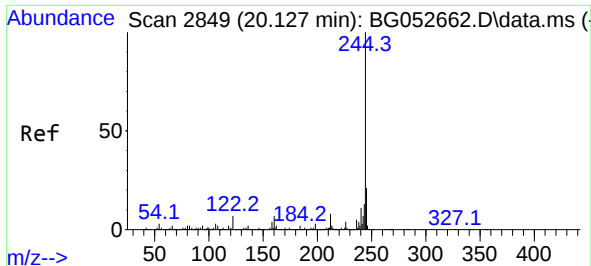
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#78  
Pyrene  
Concen: 40.143 ng  
RT: 19.918 min Scan# 2814  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:202 Resp: 816334  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.0 25.6  
203 17.5 15.0 22.6





#79  
 Terphenyl-d14  
 Concen: 81.646 ng  
 RT: 20.111 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG052811.D  
 Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

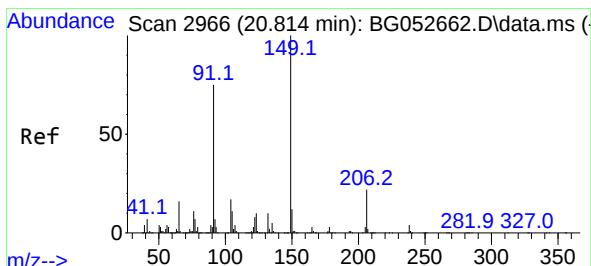
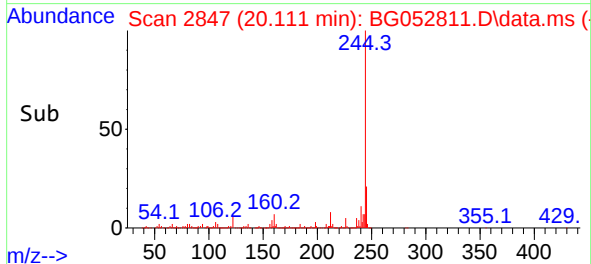
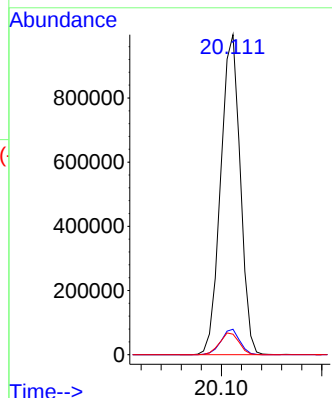
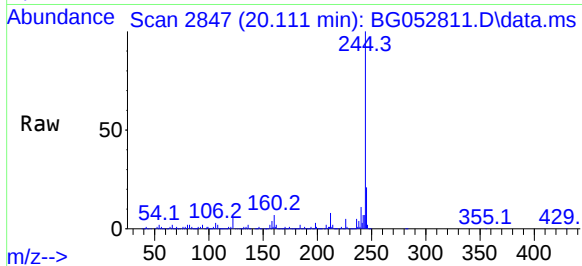
PB143535BS

Tgt Ion:244 Resp: 1345550  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 5.4 8.2  
 122 6.4 5.8 8.6

Manual Integrations

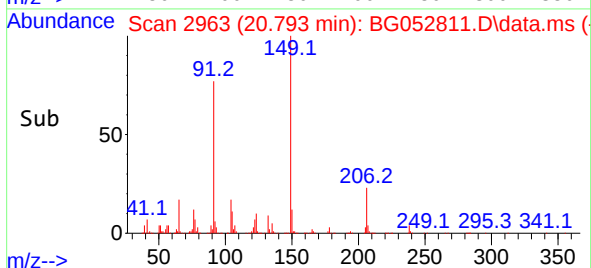
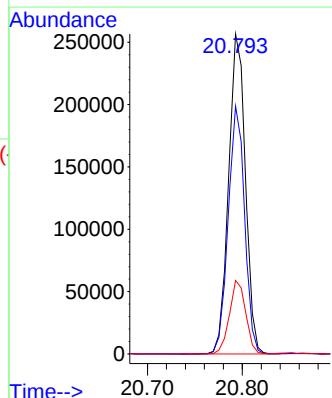
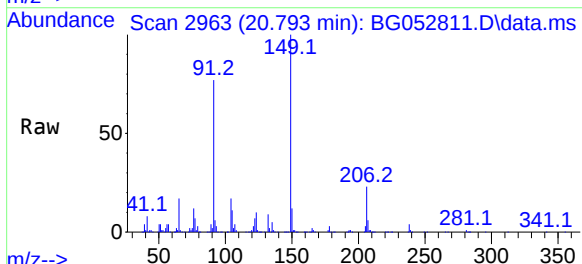
APPROVED

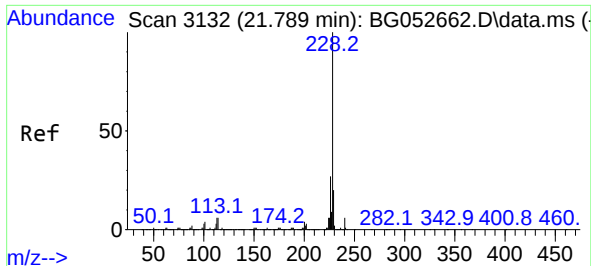
Reviewed By :Christian Giraldo 03/25/2022  
 Supervised By :Jagrut Upadhyay 03/25/2022



#80  
 Butylbenzylphthalate  
 Concen: 43.709 ng  
 RT: 20.793 min Scan# 2963  
 Delta R.T. -0.001 min  
 Lab File: BG052811.D  
 Acq: 24 Mar 2022 16:22

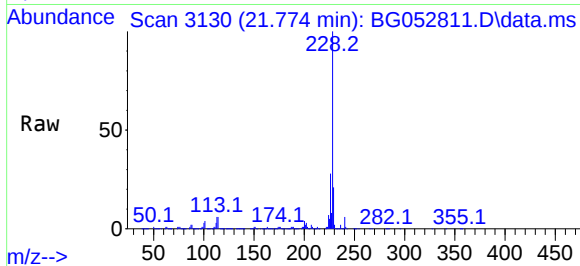
Tgt Ion:149 Resp: 315300  
 Ion Ratio Lower Upper  
 149 100  
 91 77.5 60.2 90.4  
 206 22.9 19.4 29.2





#81  
Benzo(a)anthracene  
Concen: 42.047 ng  
RT: 21.774 min Scan# 3114  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

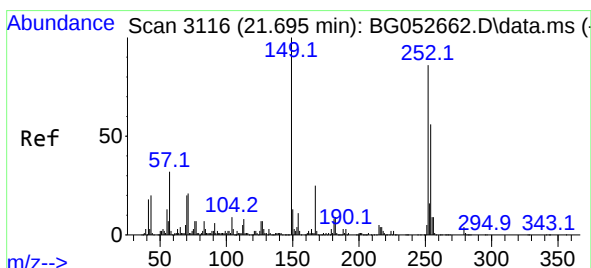
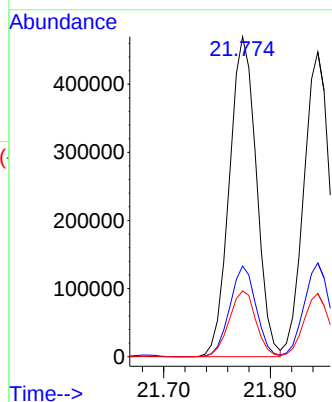
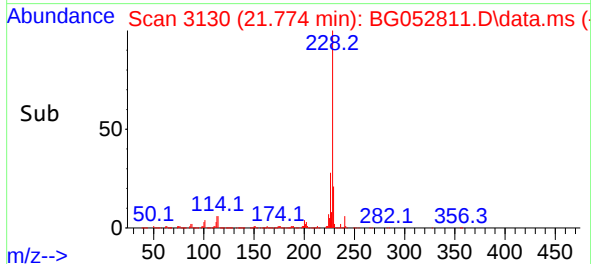
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



Tgt Ion:228 Resp: 825394  
Ion Ratio Lower Upper  
228 100  
226 28.4 21.4 32.0  
229 20.5 16.7 25.1

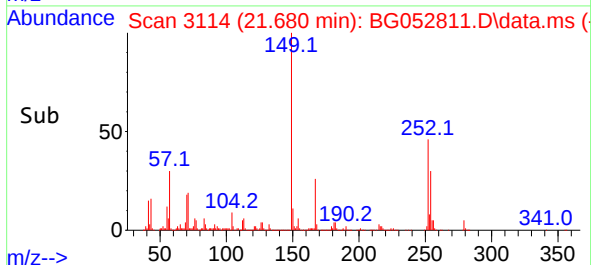
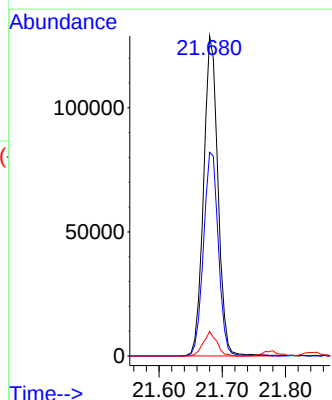
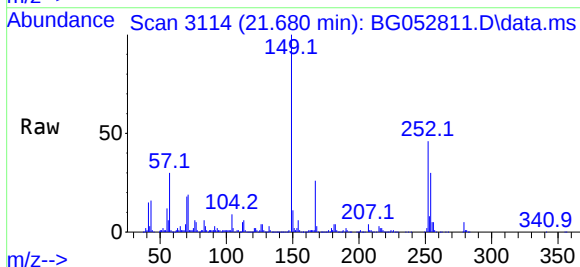
Manual Integrations  
APPROVED

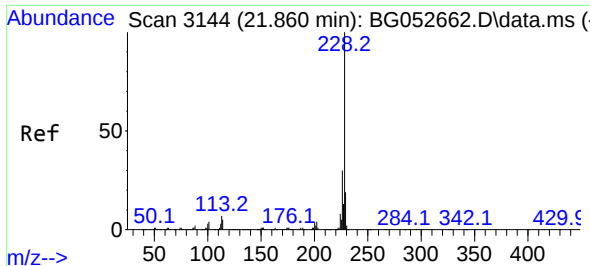
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#82  
3,3'-Dichlorobenzidine  
Concen: 29.327 ng  
RT: 21.680 min Scan# 3114  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

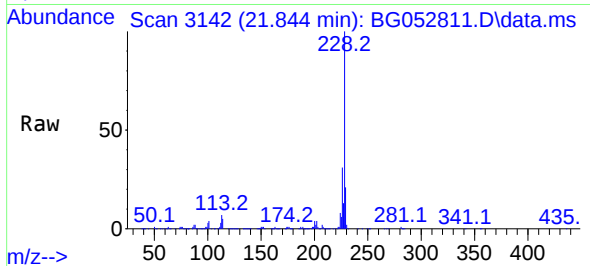
Tgt Ion:252 Resp: 203297  
Ion Ratio Lower Upper  
252 100  
254 63.6 51.2 76.8  
126 7.6 5.8 8.8





#83  
Chrysene  
Concen: 40.769 ng  
RT: 21.844 min Scan# 3144  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

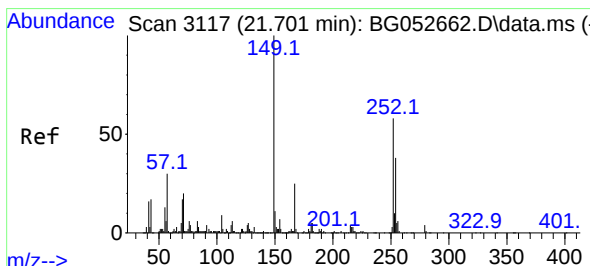
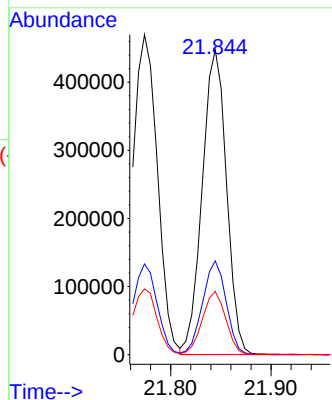
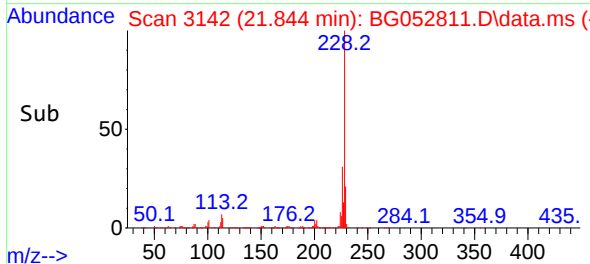
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



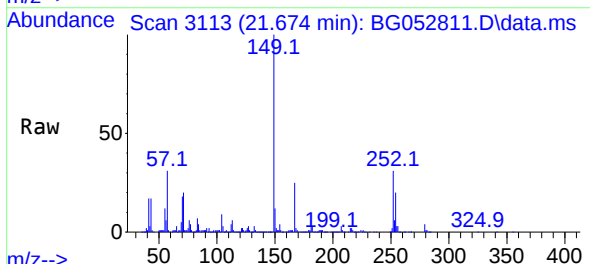
Tgt Ion:228 Resp: 75237  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.2 36.4  
229 20.7 16.3 24.5

Manual Integrations  
APPROVED

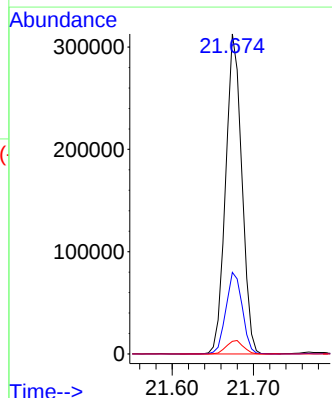
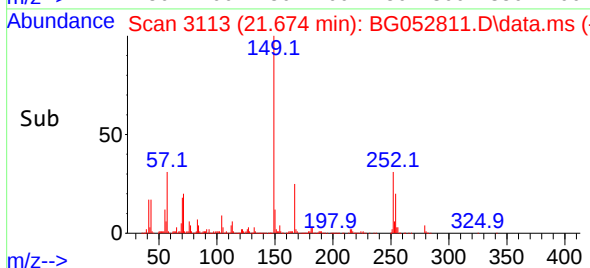
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

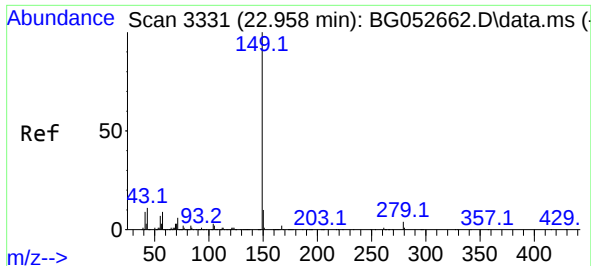


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.260 ng  
RT: 21.674 min Scan# 3113  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:149 Resp: 434194  
Ion Ratio Lower Upper  
149 100  
167 25.5 21.4 32.2  
279 3.9 3.8 5.8





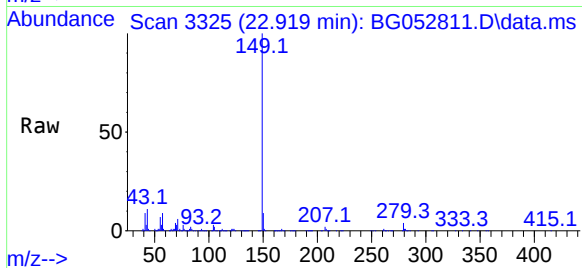
#85  
Di-n-octyl phthalate  
Concen: 44.907 ng  
RT: 22.919 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

ClientSampleId :

PB143535BS

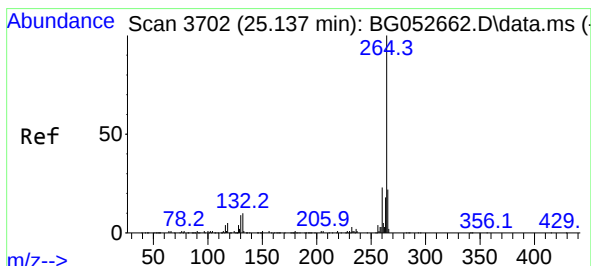
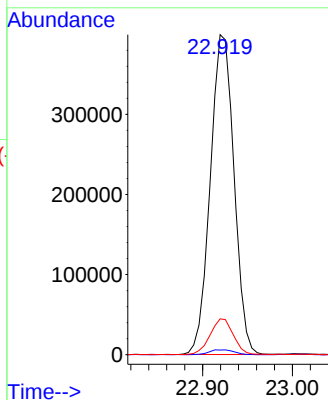
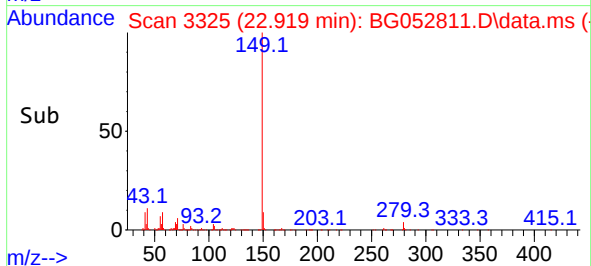


Tgt Ion:149 Resp: 733399  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.1 7.6 11.4

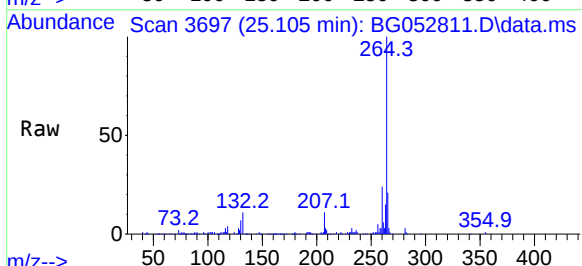
Manual Integrations

APPROVED

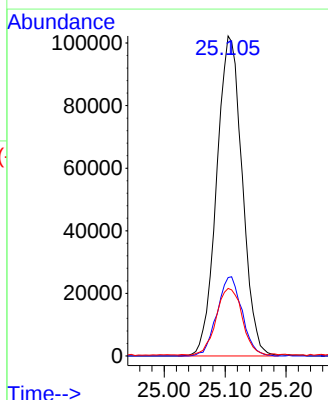
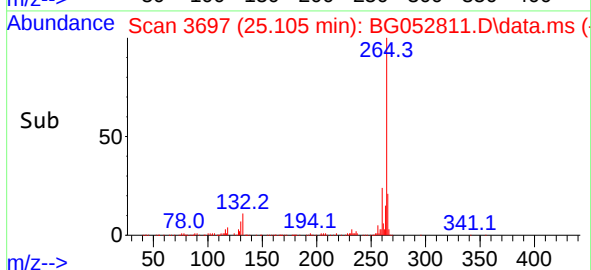
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022

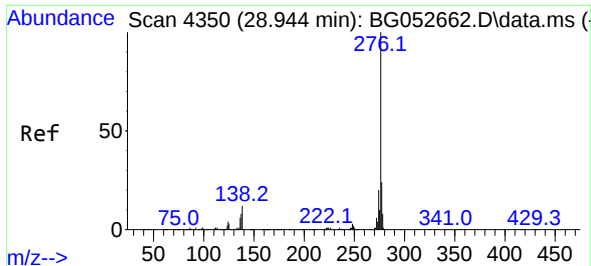


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.105 min Scan# 3697  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:264 Resp: 297710  
Ion Ratio Lower Upper  
264 100  
260 24.5 18.2 27.2  
265 21.1 15.1 22.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 43.997 ng  
RT: 28.894 min Scan# 4350  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :

BNA\_G

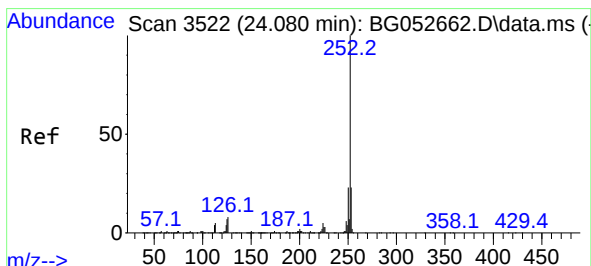
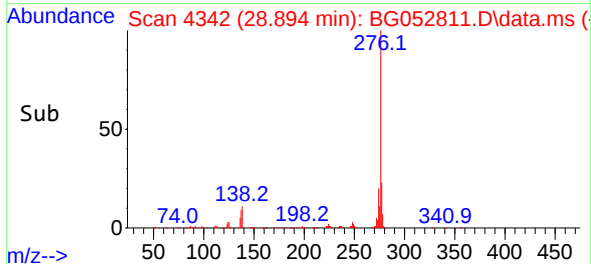
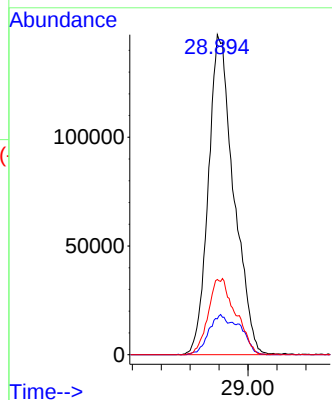
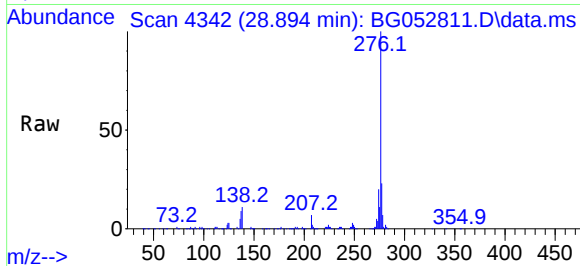
ClientSampleId :

PB143535BS

Tgt Ion:276 Resp: 896539  
Ion Ratio Lower Upper  
276 100  
138 9.4 8.7 13.1  
277 12.1 20.2 30.4

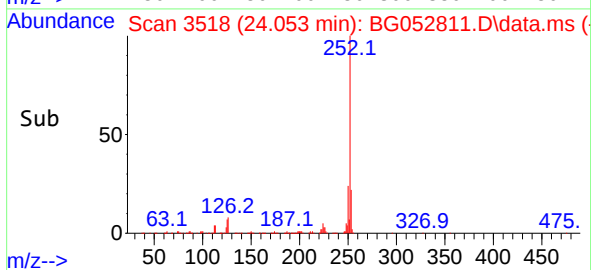
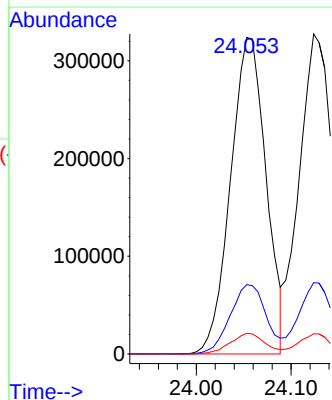
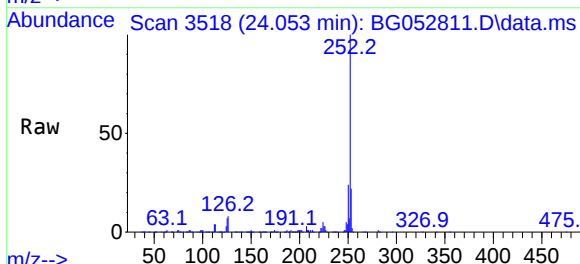
Manual Integrations  
APPROVED

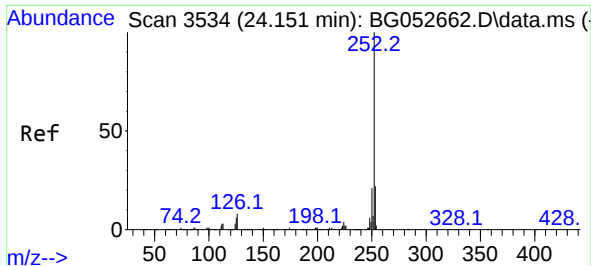
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#88  
Benzo(b)fluoranthene  
Concen: 45.553 ng  
RT: 24.053 min Scan# 3518  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Tgt Ion:252 Resp: 842043  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.2 25.8  
125 6.5 5.2 7.8





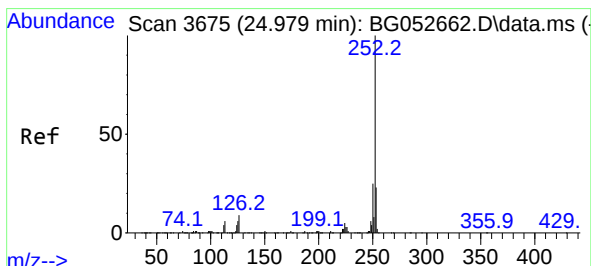
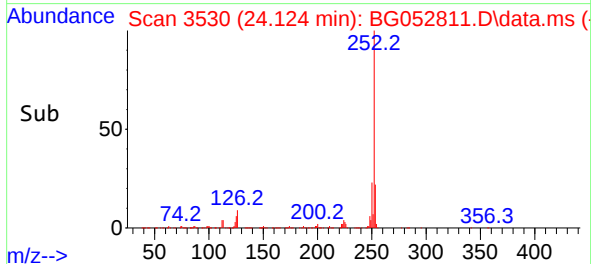
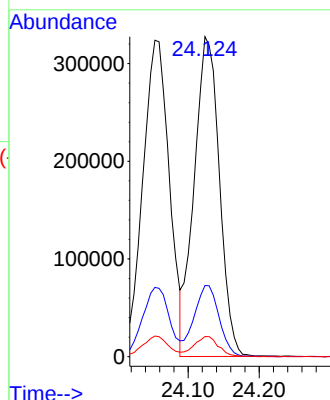
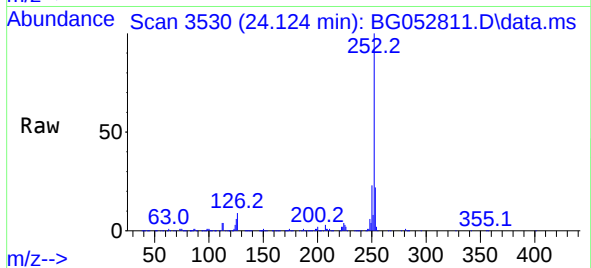
#89  
Benzo(k)fluoranthene  
Concen: 44.431 ng  
RT: 24.124 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS

Tgt Ion:252 Resp: 808058  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.0  
125 6.3 5.0 7.4

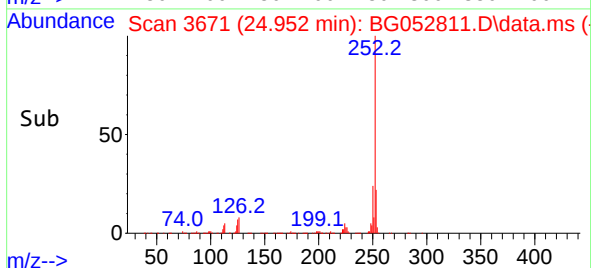
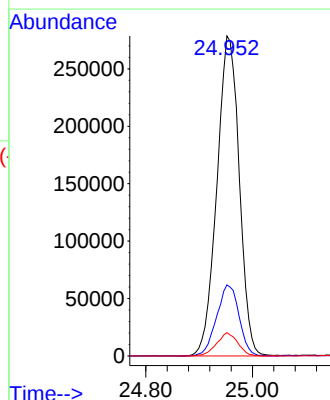
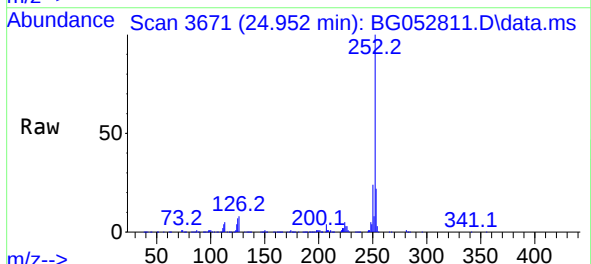
Manual Integrations  
APPROVED

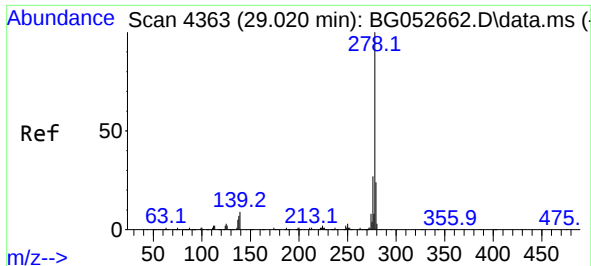
Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#90  
Benzo(a)pyrene  
Concen: 51.823 ng  
RT: 24.952 min Scan# 3671  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

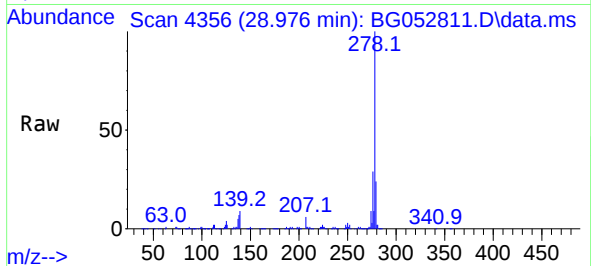
Tgt Ion:252 Resp: 810872  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.4 27.6  
125 7.3 5.6 8.4





#91  
Dibenzo(a,h)anthracene  
Concen: 46.072 ng  
RT: 28.976 min Scan# 41  
Delta R.T. 0.005 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22

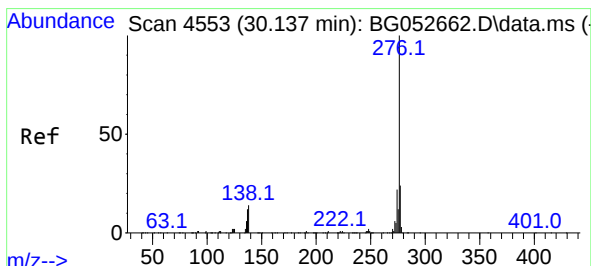
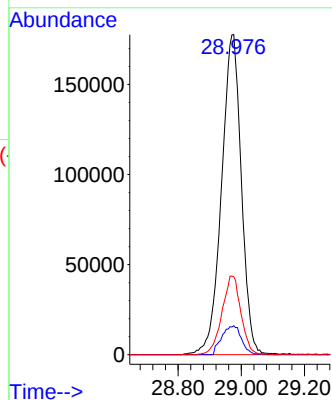
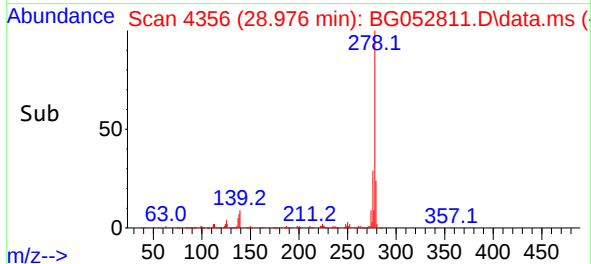
Instrument :  
BNA\_G  
ClientSampleId :  
PB143535BS



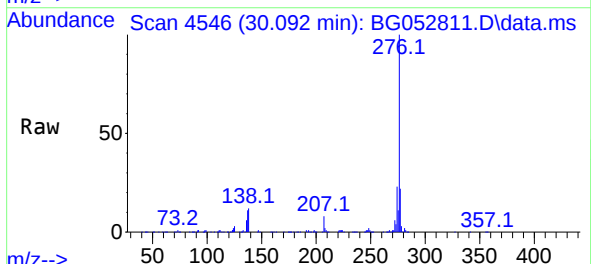
Tgt Ion:278 Resp: 77359  
Ion Ratio Lower Upper  
278 100  
139 9.0 7.8 11.6  
279 24.4 18.5 27.7

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/25/2022  
Supervised By :Jagrut Upadhyay 03/25/2022



#92  
Benzo(g,h,i)perylene  
Concen: 46.277 ng  
RT: 30.092 min Scan# 4546  
Delta R.T. -0.001 min  
Lab File: BG052811.D  
Acq: 24 Mar 2022 16:22



Tgt Ion:276 Resp: 768819  
Ion Ratio Lower Upper  
276 100  
277 22.5 18.2 27.2  
138 12.5 9.1 13.7

