

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042423\  
 Data File : BG057165.D  
 Acq On : 25 Apr 2023 00:12  
 Operator : CG/JU  
 Sample : PB152297BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB152297BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/25/2023  
 Supervised By : Jagrut Upadhyay 04/25/2023

Quant Time: Apr 25 05:20:38 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 25 04:59:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.387  | 152  | 18557    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.225 | 136  | 80384    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 15.002 | 164  | 60652    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.740 | 188  | 149110   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.057 | 240  | 132799   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.576 | 264  | 141916   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.903  | 112  | 179257   | 175.052 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.524  | 99   | 253079   | 170.813 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.568  | 82   | 159789   | 98.271  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.482 | 330  | 108015   | 134.976 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.627 | 172  | 387783   | 85.924  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.313 | 244  | 745129   | 98.142  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.700  | 88   | 19691    | 42.912  | ng    | 92       |
| 3) Pyridine                   | 4.123  | 79   | 55202m   | 39.649  | ng    |          |
| 4) n-Nitrosodimethylamine     | 4.029  | 42   | 30940    | 61.606  | ng    | 86       |
| 6) Aniline                    | 7.700  | 93   | 78663    | 40.655  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.947  | 128  | 61081    | 56.939  | ng    | 98       |
| 9) Benzaldehyde               | 7.506  | 77   | 44653    | 50.317  | ng    | 89       |
| 10) Phenol                    | 7.553  | 94   | 87653    | 59.581  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.782  | 93   | 58776    | 50.912  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 8.276  | 146  | 61478    | 48.378  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 8.423  | 146  | 63962    | 49.943  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.746  | 146  | 62020    | 50.156  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.617  | 79   | 65284    | 59.798  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.910  | 45   | 80239    | 52.247  | ng    | 95       |
| 17) 2-Methylphenol            | 8.822  | 107  | 58224    | 54.084  | ng    | 96       |
| 18) Hexachloroethane          | 9.486  | 117  | 22666    | 52.169  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 9.192  | 70   | 55376    | 60.090  | ng    | 91       |
| 20) 3+4-Methylphenols         | 9.145  | 107  | 79739    | 54.123  | ng    | 96       |
| 22) Acetophenone              | 9.216  | 105  | 102055   | 46.801  | ng    | 95       |
| 24) Nitrobenzene              | 9.609  | 77   | 82118    | 50.301  | ng    | 97       |
| 25) Isophorone                | 10.126 | 82   | 152097   | 48.767  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.326 | 139  | 30448    | 49.922  | ng    | # 83     |
| 27) 2,4-Dimethylphenol        | 10.367 | 122  | 61895    | 52.801  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.602 | 93   | 80916    | 49.492  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.861 | 162  | 64158    | 49.131  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 11.084 | 180  | 68839    | 43.109  | ng    | 93       |
| 31) Naphthalene               | 11.278 | 128  | 189494   | 44.383  | ng    | 99       |
| 32) Benzoic acid              | 10.514 | 122  | 26972    | 48.913  | ng    | 96       |
| 33) 4-Chloroaniline           | 11.378 | 127  | 46307    | 24.668  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.548 | 225  | 48514    | 41.202  | ng    | 98       |
| 35) Caprolactam               | 12.135 | 113  | 19434m   | 53.746  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.470 | 107  | 72281    | 51.453  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.852 | 142  | 141311   | 42.059  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 13.069 | 142  | 133862   | 43.154  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.216 | 216  | 94238    | 42.463  | ng    | # 99     |
| 41) Hexachlorocyclopentadiene | 13.187 | 237  | 100298   | 104.153 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.445 | 196  | 58573    | 48.750  | ng    | 95       |

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Manual Integrations  
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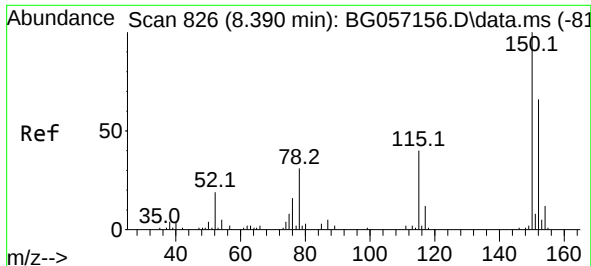
Reviewed By : Christian Giraldo 04/25/2023  
 Supervised By : Jagrut Upadhyay 04/25/2023

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.522 | 196  | 64067    | 44.168  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.839 | 154  | 203724   | 45.063  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.892 | 162  | 153274   | 44.920  | ng    | 98       |
| 48) 2-Nitroaniline            | 14.086 | 65   | 45191    | 52.520  | ng    | 91       |
| 49) Acenaphthylene            | 14.726 | 152  | 242360   | 44.744  | ng    | 99       |
| 50) Dimethylphthalate         | 14.438 | 163  | 204532   | 48.050  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.567 | 165  | 44466    | 50.045  | ng    | 97       |
| 52) Acenaphthene              | 15.067 | 154  | 180832m  | 51.097  | ng    |          |
| 53) 3-Nitroaniline            | 14.896 | 138  | 27053    | 30.662  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 15.108 | 184  | 47424    | 93.020  | ng    | 89       |
| 55) Dibenzofuran              | 15.396 | 168  | 247891   | 43.231  | ng    | 98       |
| 56) 4-Nitrophenol             | 15.196 | 139  | 68465    | 110.244 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 15.349 | 165  | 63079    | 52.130  | ng    | 94       |
| 58) Fluorene                  | 16.042 | 166  | 205991   | 44.620  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.619 | 232  | 59975    | 48.270  | ng    | 99       |
| 60) Diethylphthalate          | 15.783 | 149  | 203534   | 49.604  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 16.018 | 204  | 120340   | 43.430  | ng    | 98       |
| 62) 4-Nitroaniline            | 16.059 | 138  | 42654    | 48.010  | ng    | 90       |
| 63) Azobenzene                | 16.312 | 77   | 219222   | 50.224  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 16.112 | 198  | 38295    | 49.332  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.236 | 169  | 178928   | 45.989  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.917 | 248  | 77780    | 43.376  | ng    | 98       |
| 68) Hexachlorobenzene         | 17.046 | 284  | 81676    | 44.407  | ng    | 98       |
| 69) Atrazine                  | 17.170 | 200  | 74666    | 60.084  | ng    | 98       |
| 70) Pentachlorophenol         | 17.387 | 266  | 82476    | 95.419  | ng    | 99       |
| 71) Phenanthrene              | 17.787 | 178  | 348254   | 45.749  | ng    | 100      |
| 72) Anthracene                | 17.875 | 178  | 352790   | 45.835  | ng    | 99       |
| 73) Carbazole                 | 18.139 | 167  | 311790   | 47.990  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.656 | 149  | 311093   | 51.476  | ng    | 99       |
| 75) Fluoranthene              | 19.772 | 202  | 434233   | 45.916  | ng    | 99       |
| 77) Benzidine                 | 19.937 | 184  | 144128   | 72.024  | ng    | 99       |
| 78) Pyrene                    | 20.130 | 202  | 434179   | 48.155  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.988 | 149  | 119689   | 50.765  | ng    | 94       |
| 81) Benzo(a)anthracene        | 22.034 | 228  | 434079   | 47.541  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.928 | 252  | 91240    | 38.180  | ng    | 100      |
| 83) Chrysene                  | 22.104 | 228  | 397724   | 45.169  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.881 | 149  | 178782   | 48.047  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.185 | 149  | 307510   | 51.630  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.653 | 276  | 484073   | 47.618  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.448 | 252  | 437565   | 49.187  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.524 | 252  | 443161   | 48.160  | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.411 | 252  | 387425   | 44.216  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.712 | 278  | 401807   | 47.603  | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 30.928 | 276  | 389876   | 46.684  | ng    | 96       |

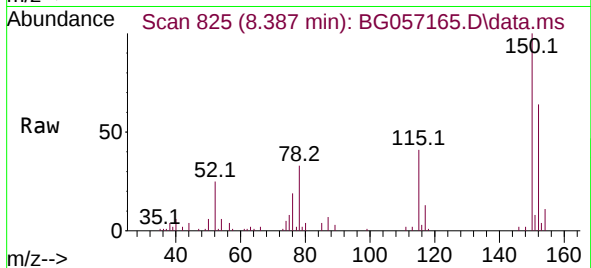
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.387 min Scan# 81  
Delta R.T. -0.003 min  
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Acq: 25 Apr 2023 00:12

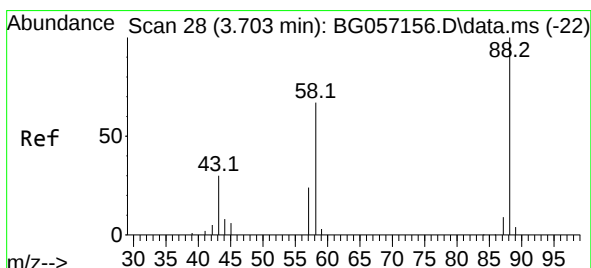
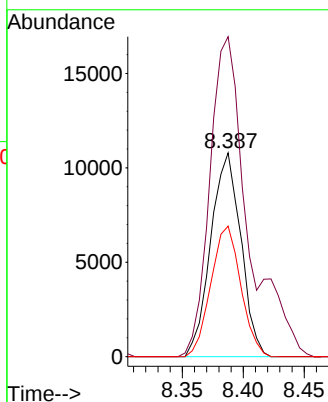
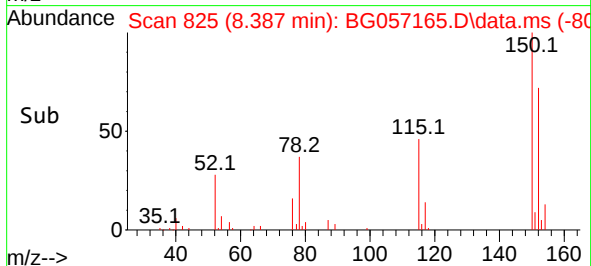
Instrument :  
BNA\_G  
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Tgt Ion: 152 Resp: 1855  
Ion Ratio Lower Upper  
152 100  
150 156.9 121.4 182.2  
115 64.0 48.1 72.1

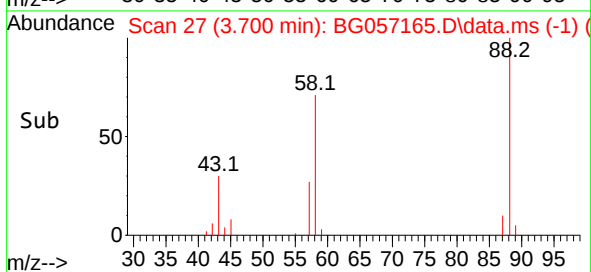
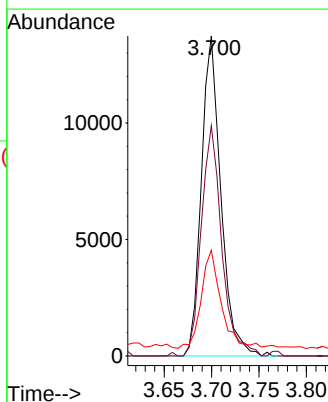
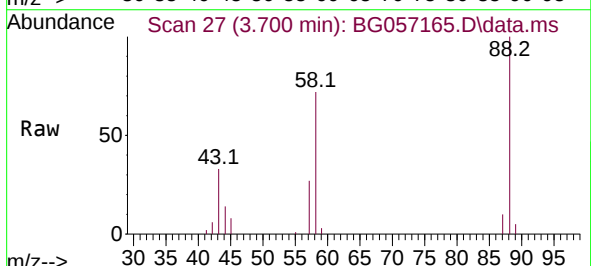
Manual Integrations  
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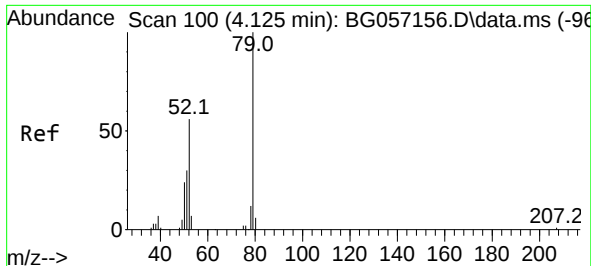
Reviewed By : Christian Giraldo 04/25/2023  
Supervised By : Jagrut Upadhyay 04/25/2023



#2  
1,4-Dioxane  
Concen: 42.912 ng  
RT: 3.700 min Scan# 27  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion: 88 Resp: 19691  
Ion Ratio Lower Upper  
88 100  
58 75.3 54.2 81.4  
43 31.2 23.0 34.6





#3  
Pyridine  
Concen: 39.649 ng m  
RT: 4.123 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

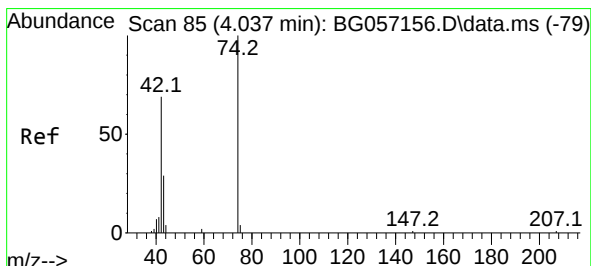
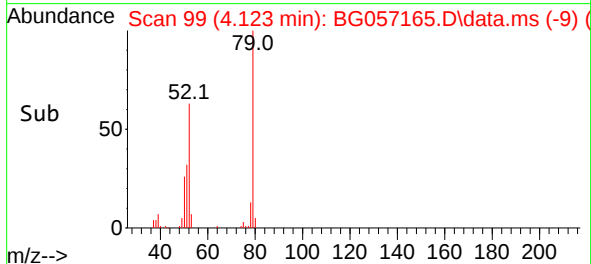
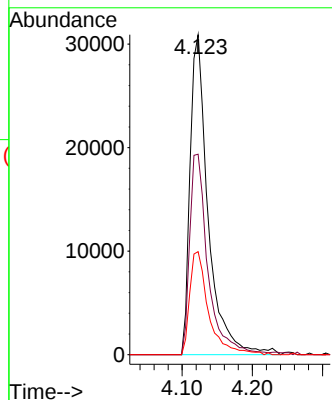
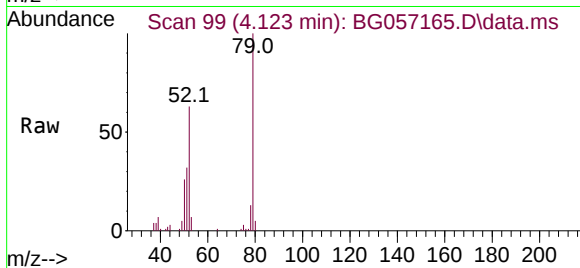
ClientSampleId :

PB152297BS

Tgt Ion: 79 Resp: 5520  
Ion Ratio Lower Upper  
79 100  
52 62.7 44.5 66.7  
51 32.2 24.3 36.5

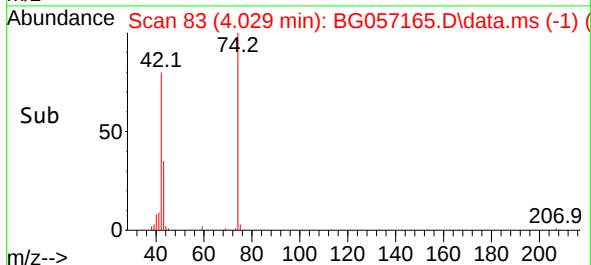
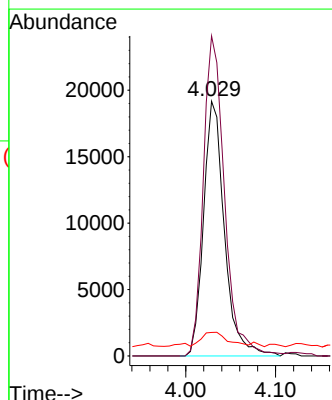
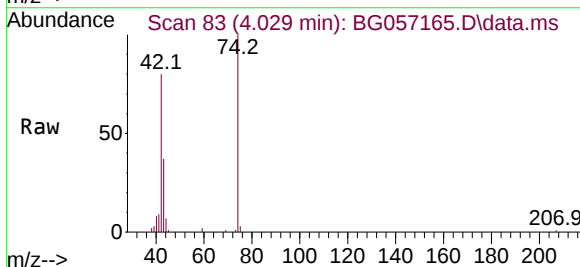
Manual Integrations  
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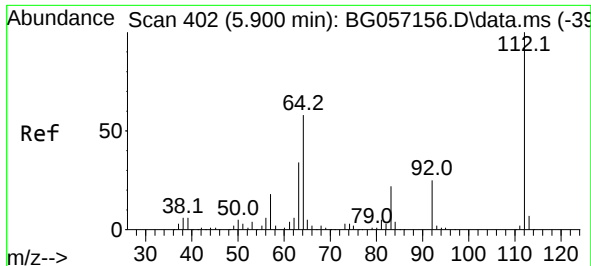
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#4  
n-Nitrosodimethylamine  
Concen: 61.606 ng  
RT: 4.029 min Scan# 83  
Delta R.T. -0.008 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

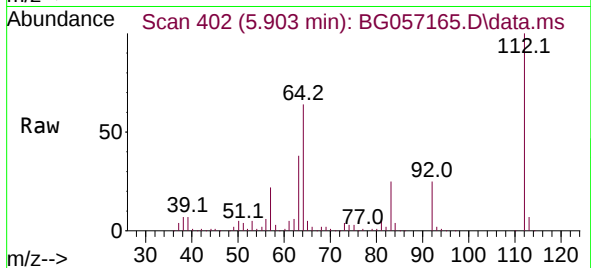
Tgt Ion: 42 Resp: 30940  
Ion Ratio Lower Upper  
42 100  
74 125.6 115.6 173.4  
44 9.2 7.1 10.7





#5  
2-Fluorophenol  
Concen: 175.052 ng  
RT: 5.903 min Scan# 402  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

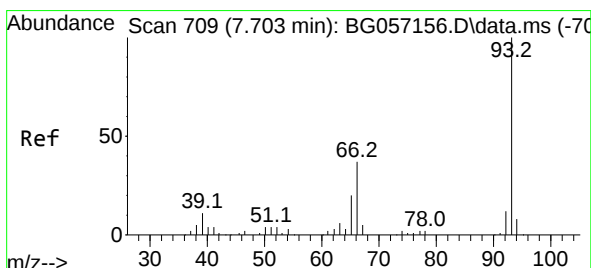
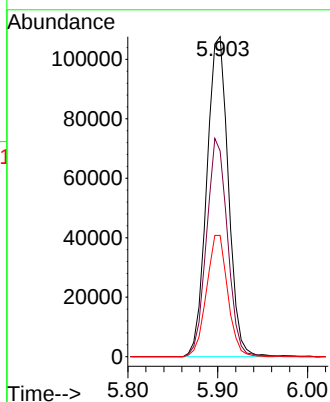
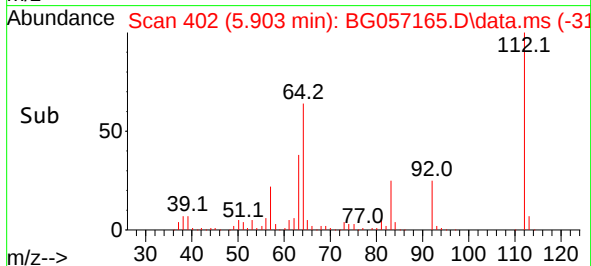
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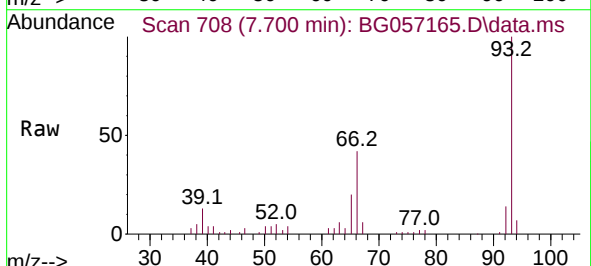
Tgt Ion:112 Resp: 17925  
Ion Ratio Lower Upper  
112 100  
64 64.3 46.7 70.1  
63 37.9 26.9 40.3

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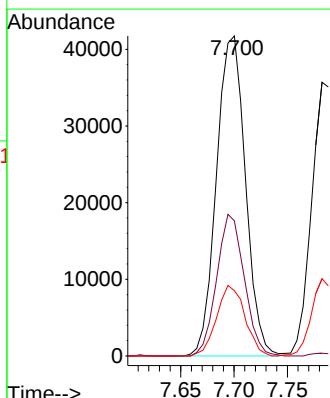
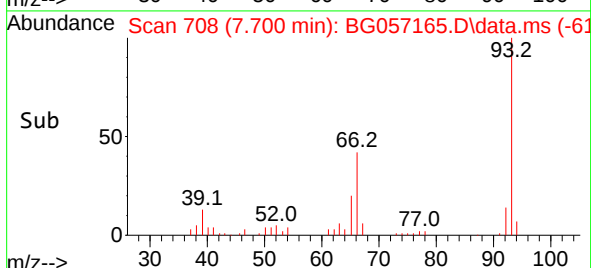
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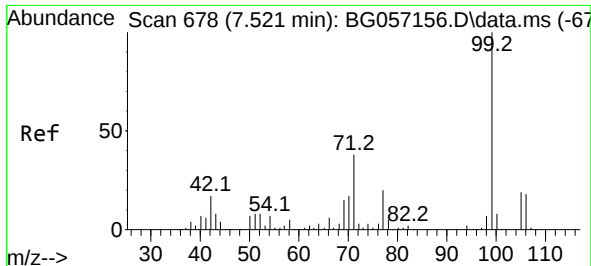


#6  
Aniline  
Concen: 40.655 ng  
RT: 7.700 min Scan# 708  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



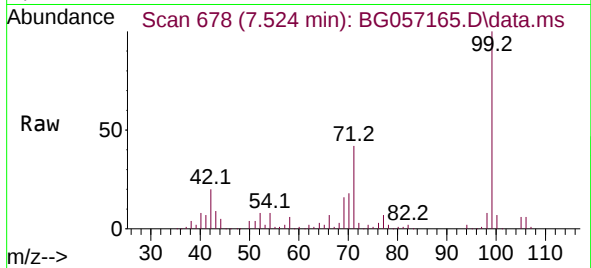
Tgt Ion: 93 Resp: 78663  
Ion Ratio Lower Upper  
93 100  
66 42.2 29.8 44.8  
65 20.4 16.4 24.6





#7  
Phenol-d6  
Concen: 170.813 ng  
RT: 7.524 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

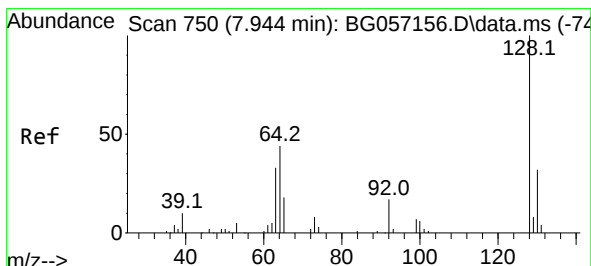
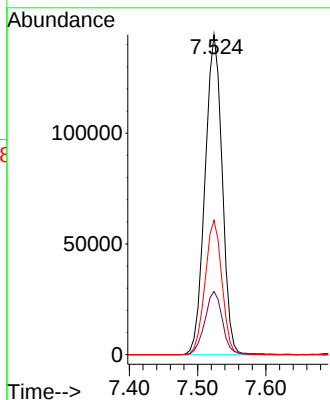
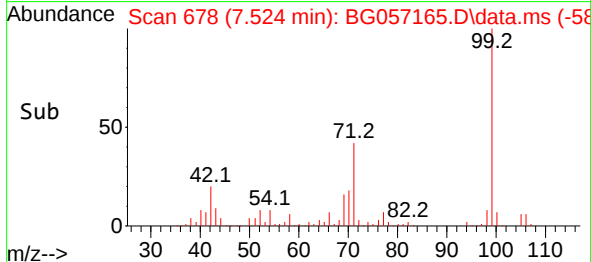
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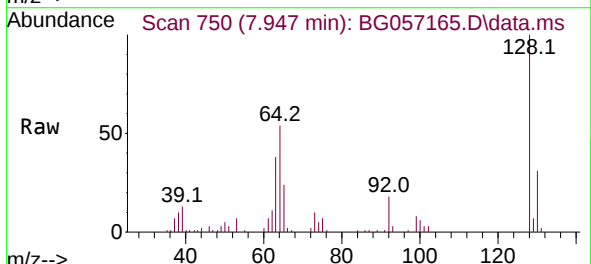
Tgt Ion: 99 Resp: 253079  
Ion Ratio Lower Upper  
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42 19.7 13.4 20.0  
71 42.0 30.2 45.2

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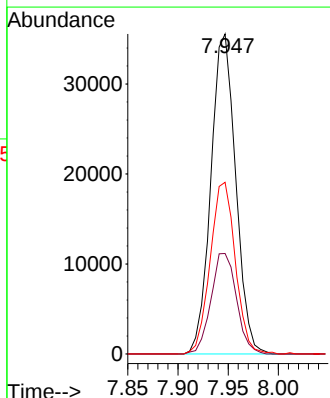
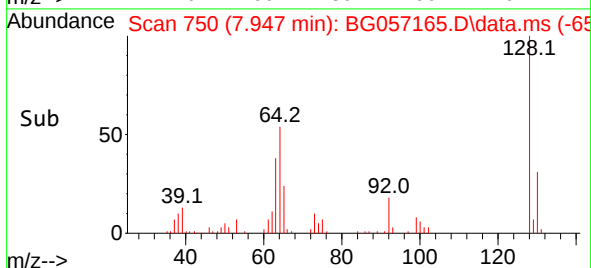
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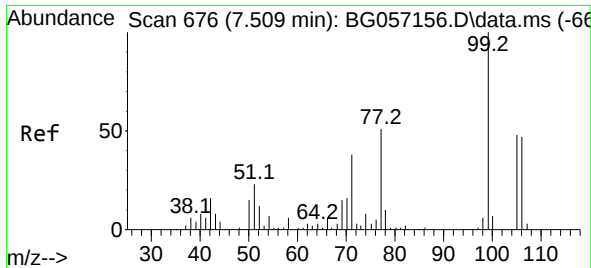


#8  
2-Chlorophenol  
Concen: 56.939 ng  
RT: 7.947 min Scan# 750  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:128 Resp: 61081  
Ion Ratio Lower Upper  
128 100  
130 31.4 11.6 51.6  
64 53.6 31.4 71.4





#9  
Benzaldehyde  
Concen: 50.317 ng  
RT: 7.506 min Scan# 676  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

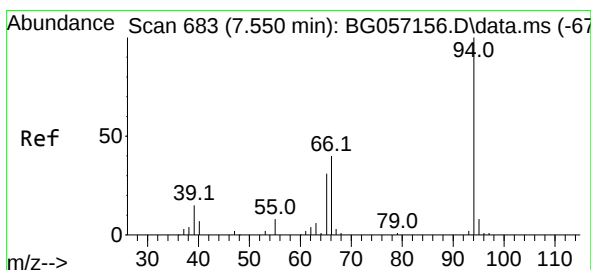
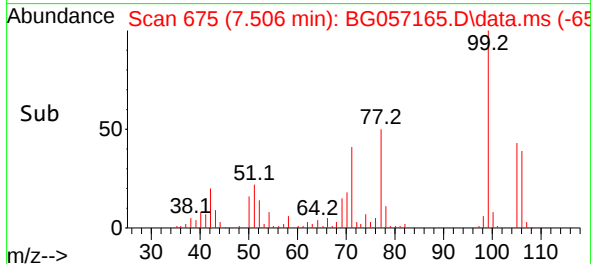
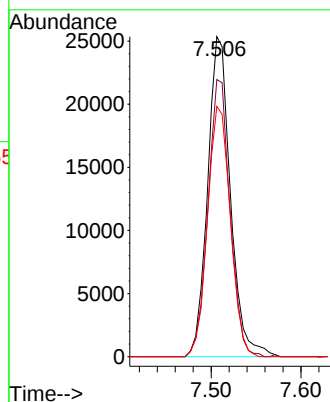
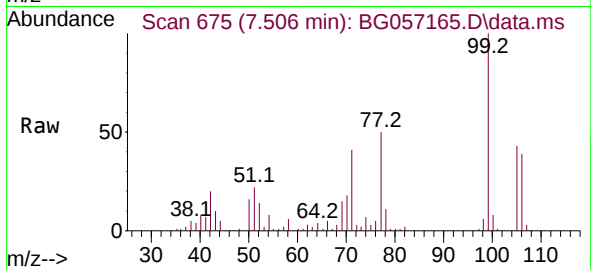
PB152297BS

Tgt Ion: 77 Resp: 4465  
Ion Ratio Lower Upper  
77 100  
105 86.6 73.5 113.5  
106 78.2 72.7 112.7

Manual Integrations

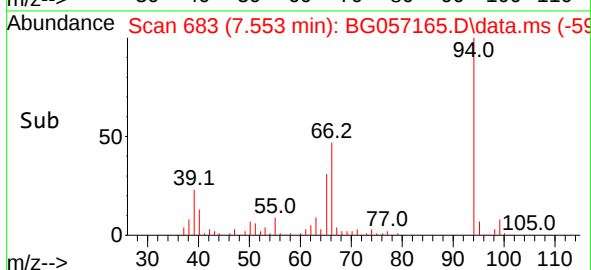
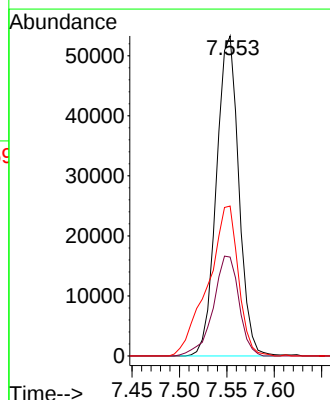
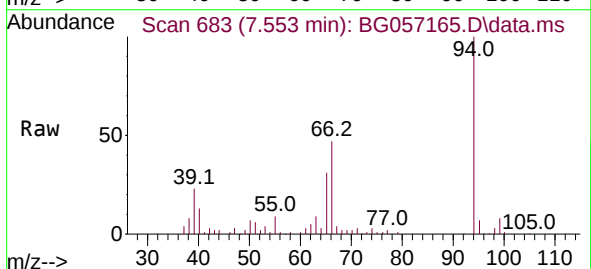
APPROVED

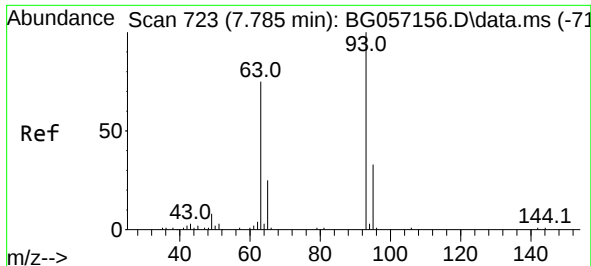
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#10  
Phenol  
Concen: 59.581 ng  
RT: 7.553 min Scan# 683  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion: 94 Resp: 87653  
Ion Ratio Lower Upper  
94 100  
65 30.9 11.6 51.6  
66 46.8 22.7 62.7





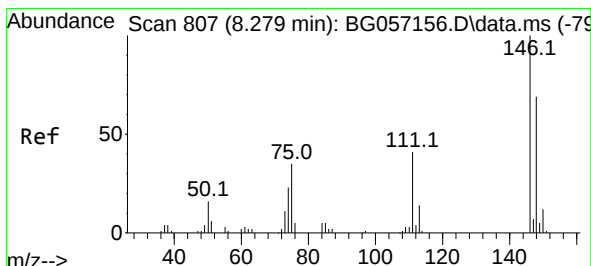
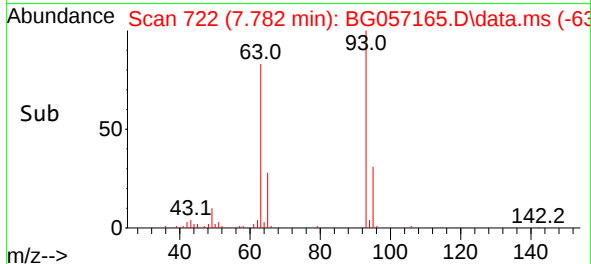
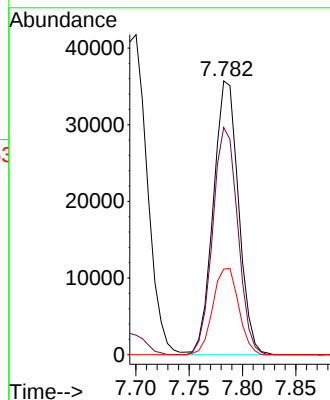
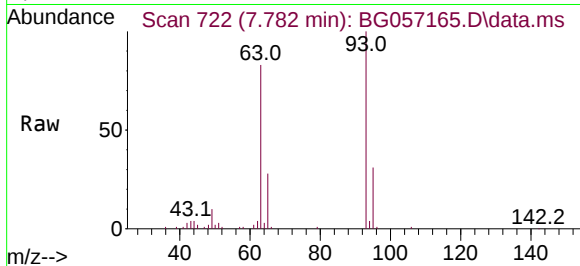
#11  
bis(2-Chloroethyl)ether  
Concen: 50.912 ng  
RT: 7.782 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS

Tgt Ion: 93 Resp: 58776  
Ion Ratio Lower Upper  
93 100  
63 83.0 53.9 93.9  
95 31.3 13.1 53.1

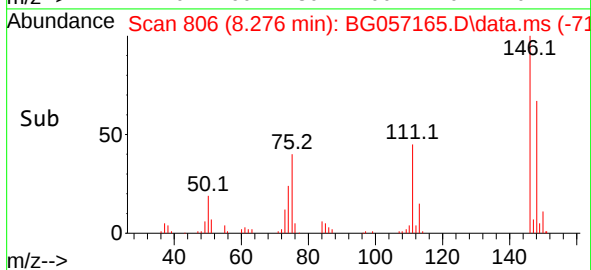
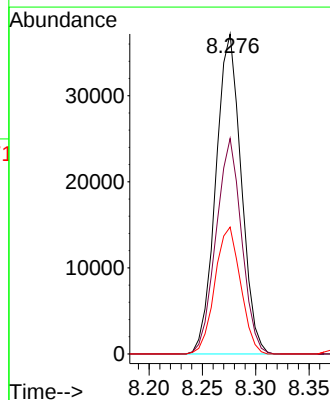
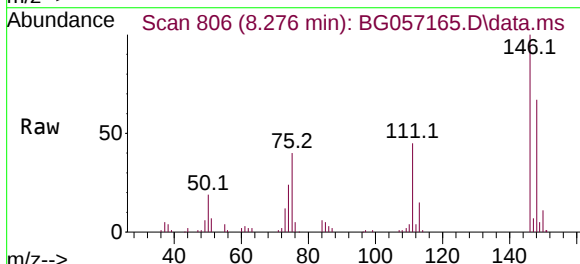
Manual Integrations  
APPROVED

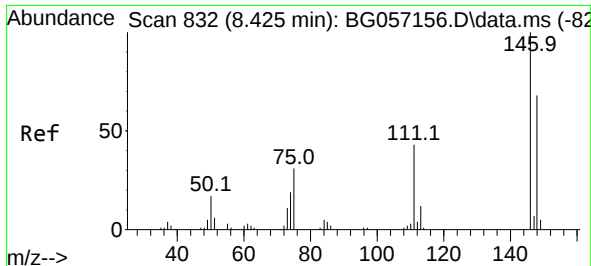
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#12  
1,3-Dichlorobenzene  
Concen: 48.378 ng  
RT: 8.276 min Scan# 806  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:146 Resp: 61478  
Ion Ratio Lower Upper  
146 100  
148 67.3 55.4 83.2  
75 39.6 28.2 42.4





#13

1,4-Dichlorobenzene

Concen: 49.943 ng

RT: 8.423 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

Tgt Ion:146 Resp: 6396

Ion Ratio Lower Upper

146 100

148 65.9 54.3 81.5

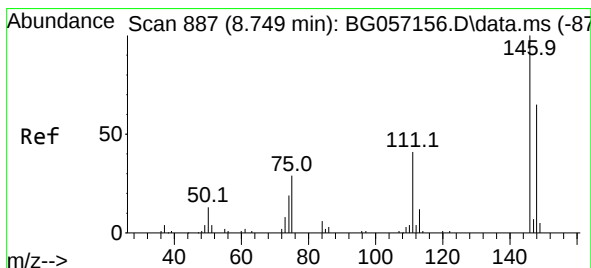
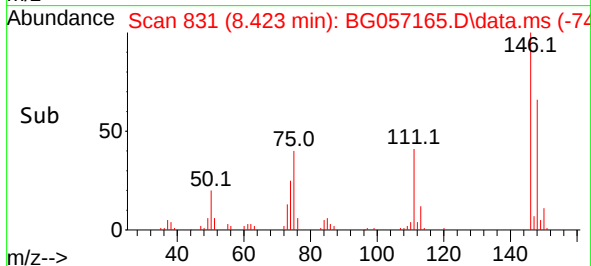
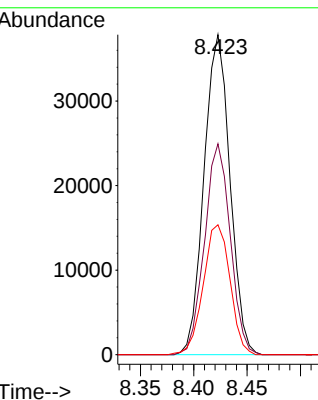
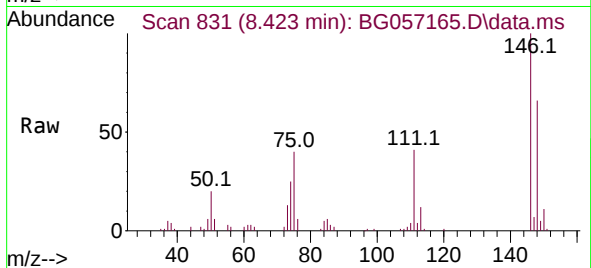
111 40.6 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#14

1,2-Dichlorobenzene

Concen: 50.156 ng

RT: 8.746 min Scan# 886

Delta R.T. -0.003 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

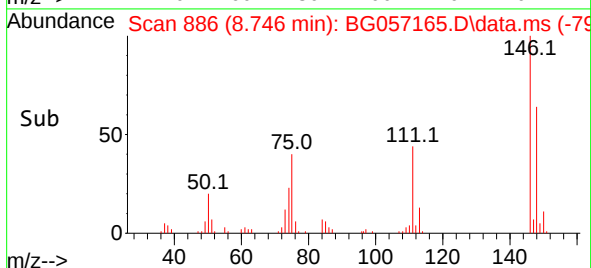
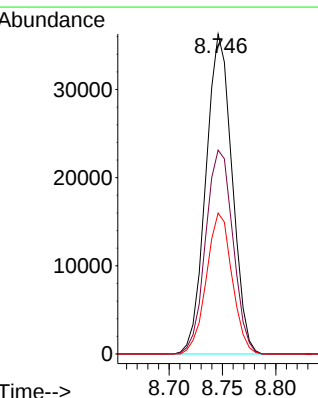
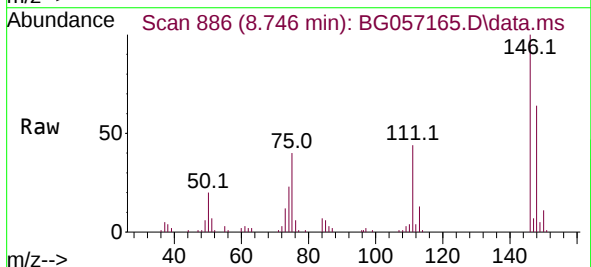
Tgt Ion:146 Resp: 62020

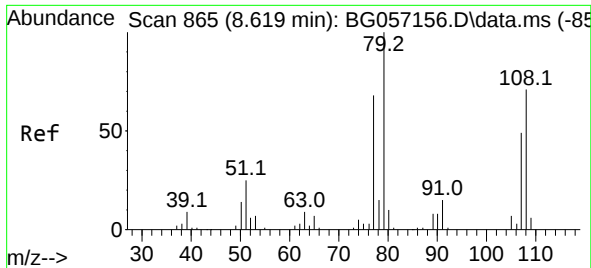
Ion Ratio Lower Upper

146 100

148 63.7 52.3 78.5

111 44.1 33.1 49.7





#15  
Benzyl Alcohol  
Concen: 59.798 ng  
RT: 8.617 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

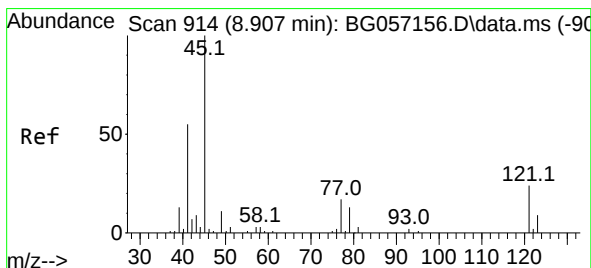
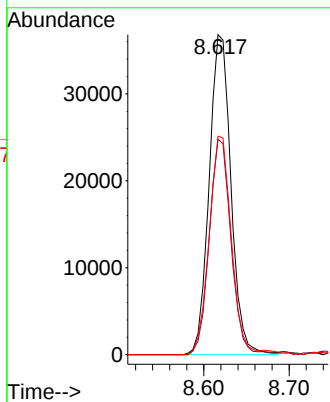
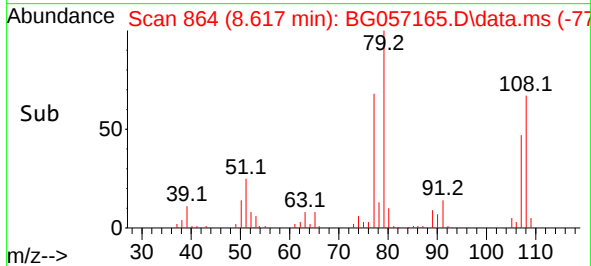
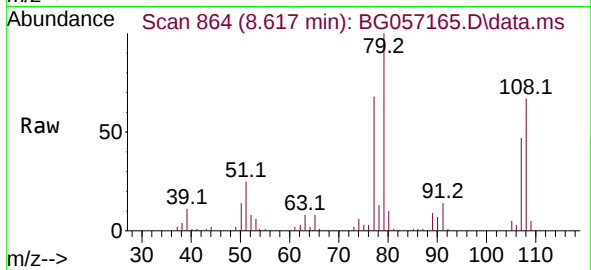
ClientSampleId :

PB152297BS

Tgt Ion: 79 Resp: 65284  
Ion Ratio Lower Upper  
79 100  
108 67.3 56.8 85.2  
77 68.3 54.2 81.2

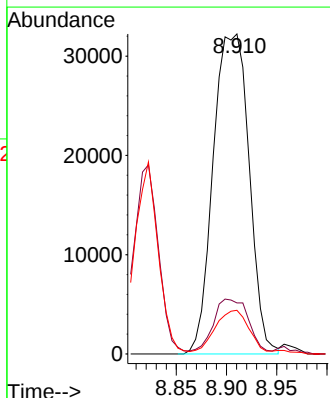
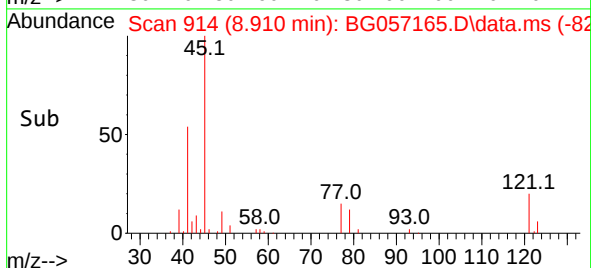
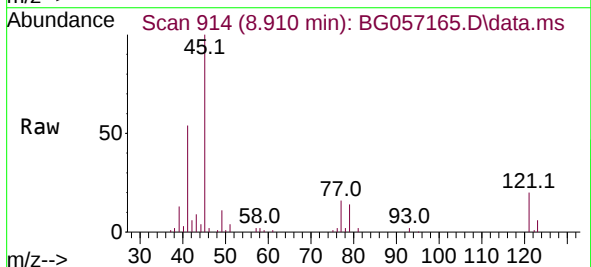
Manual Integrations  
APPROVED

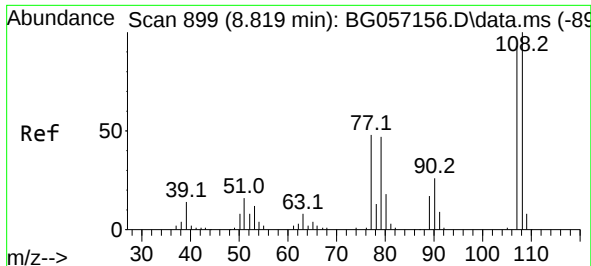
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.247 ng  
RT: 8.910 min Scan# 914  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion: 45 Resp: 80239  
Ion Ratio Lower Upper  
45 100  
77 15.9 0.0 38.7  
79 13.6 0.0 34.9





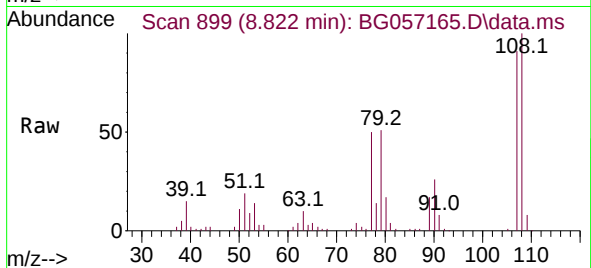
#17  
2-Methylphenol  
Concen: 54.084 ng  
RT: 8.822 min Scan# 899  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

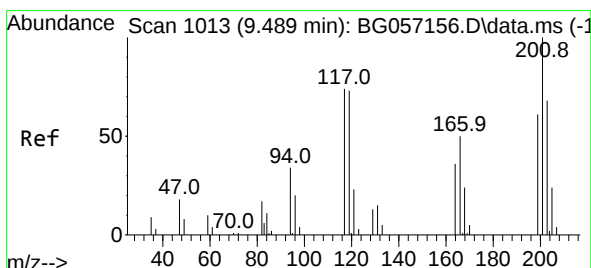
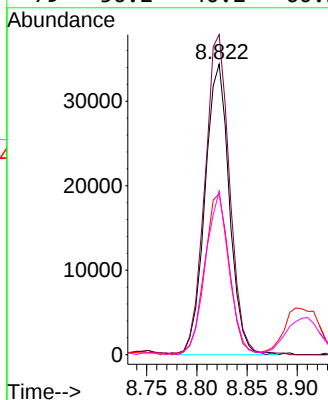
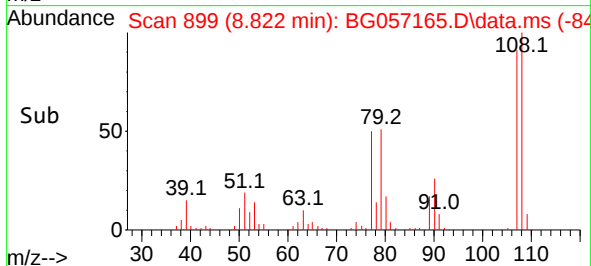


Tgt Ion:107 Resp: 58224  
Ion Ratio Lower Upper  
107 100  
108 110.1 86.2 129.4  
77 55.4 41.8 62.8  
79 56.2 40.2 60.2

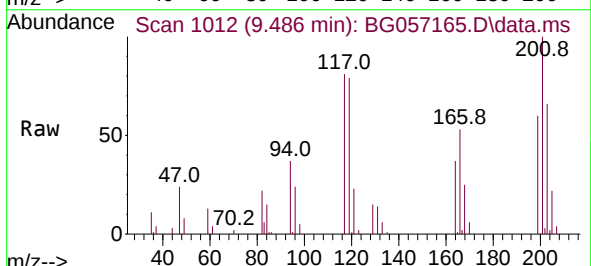
Manual Integrations

APPROVED

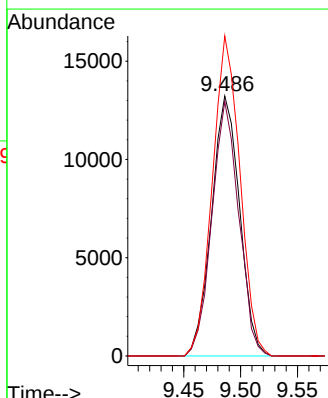
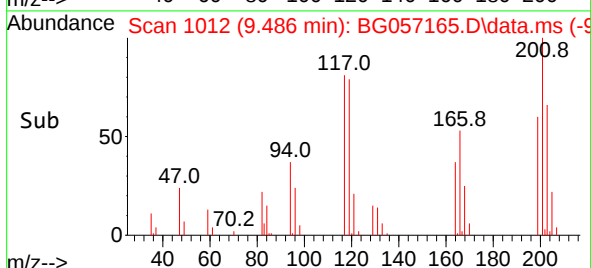
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

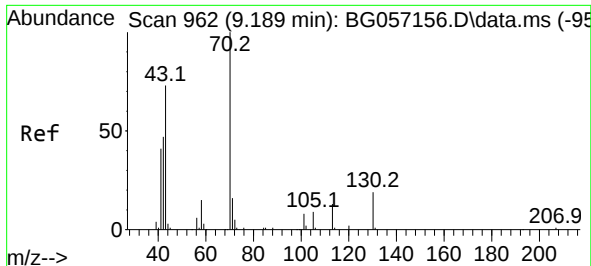


#18  
Hexachloroethane  
Concen: 52.169 ng  
RT: 9.486 min Scan# 1012  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:117 Resp: 22666  
Ion Ratio Lower Upper  
117 100  
119 97.8 78.3 117.5  
201 123.1 107.6 161.4





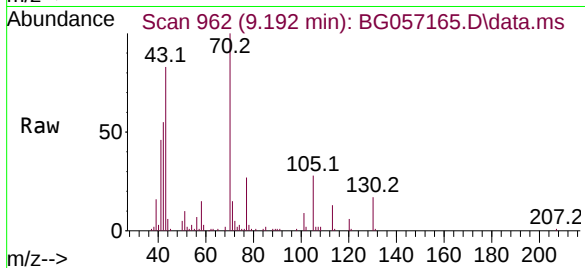
#19  
n-Nitroso-di-n-propylamine  
Concen: 60.090 ng  
RT: 9.192 min Scan# 90  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

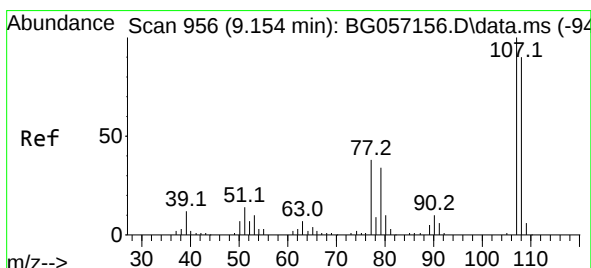
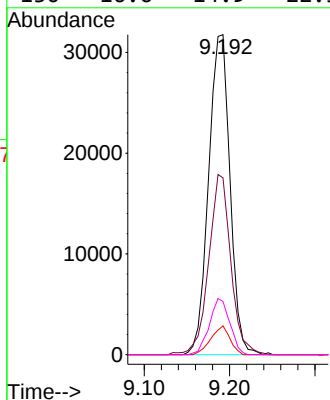
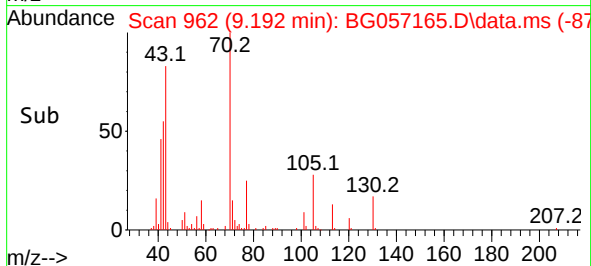


Tgt Ion: 70 Resp: 55370  
Ion Ratio Lower Upper  
70 100  
42 55.3 38.0 57.0  
101 9.0 6.6 9.8  
130 16.6 14.9 22.3

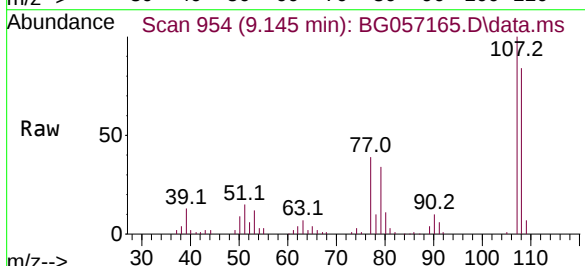
Manual Integrations

APPROVED

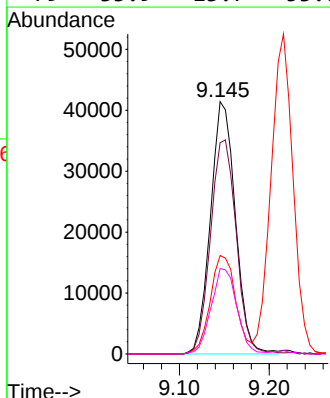
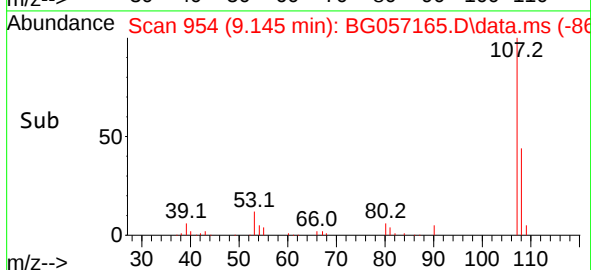
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

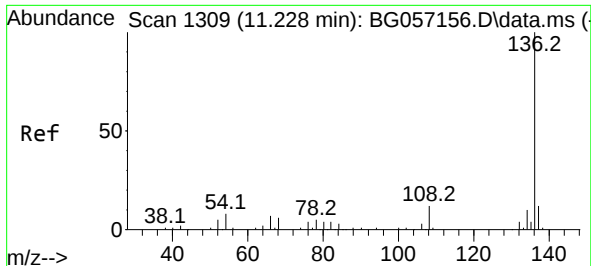


#20  
3+4-Methylphenols  
Concen: 54.123 ng  
RT: 9.145 min Scan# 954  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:107 Resp: 79739  
Ion Ratio Lower Upper  
107 100  
108 83.7 70.2 110.2  
77 39.0 17.8 57.8  
79 33.9 13.7 53.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.225 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

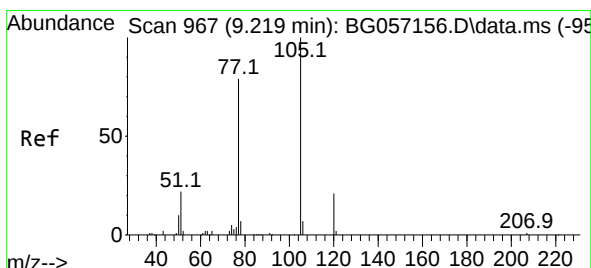
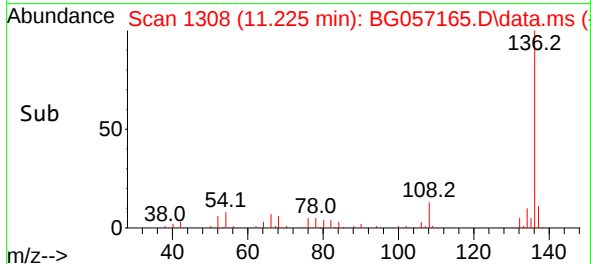
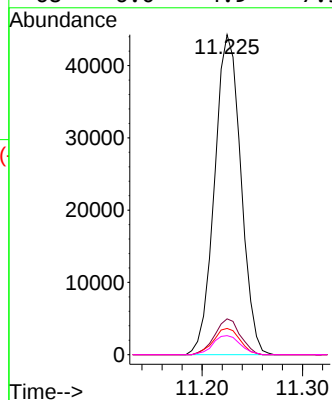
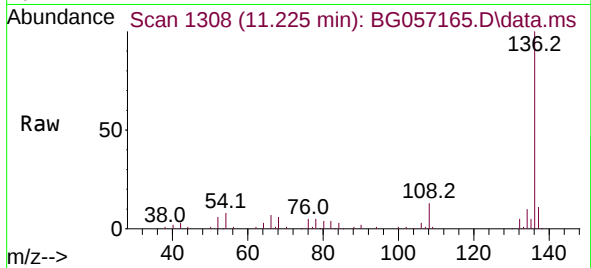
PB152297BS

Tgt Ion:136 Resp: 80384  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.5 14.3  
54 8.2 6.4 9.6  
68 6.0 4.9 7.3

Manual Integrations

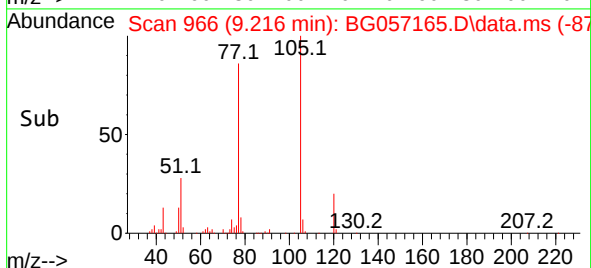
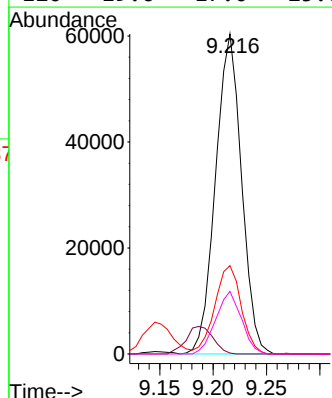
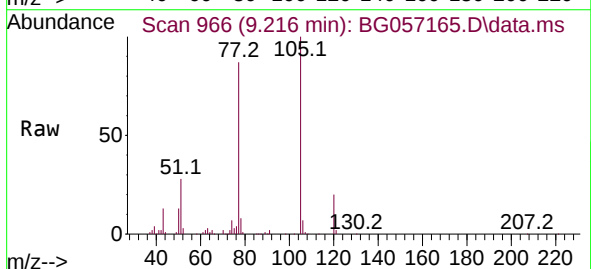
APPROVED

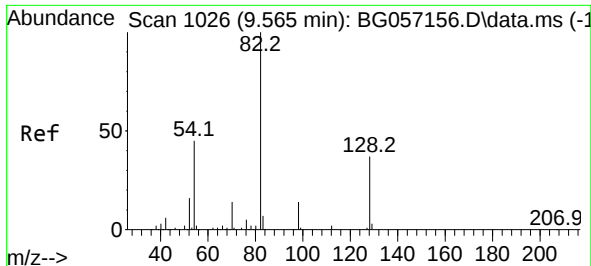
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#22  
Acetophenone  
Concen: 46.801 ng  
RT: 9.216 min Scan# 966  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:105 Resp: 102055  
Ion Ratio Lower Upper  
105 100  
71 0.3 0.2 0.4  
51 27.6 19.4 29.0  
120 19.6 17.0 25.6





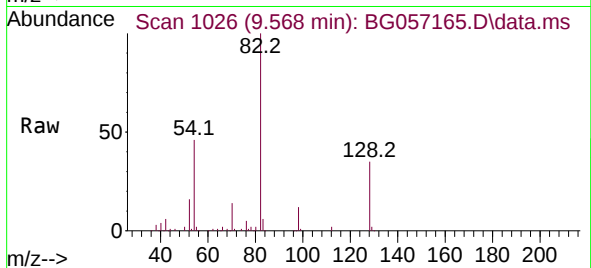
#23  
Nitrobenzene-d5  
Concen: 98.271 ng  
RT: 9.568 min Scan# 1026  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

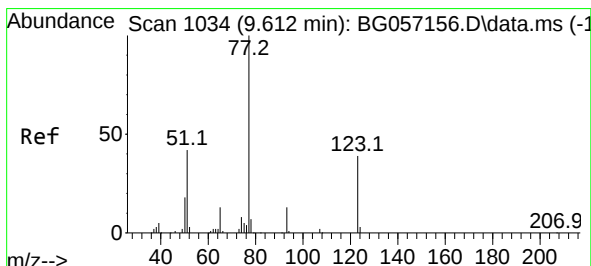
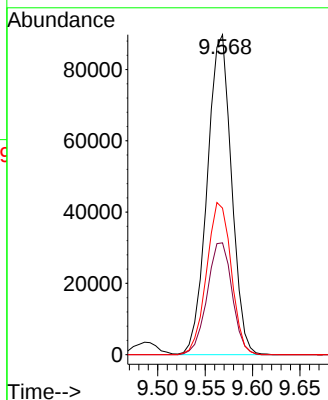
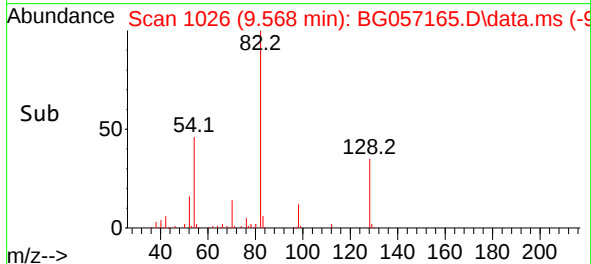


Tgt Ion: 82 Resp: 159789  
Ion Ratio Lower Upper  
82 100  
128 34.9 29.4 44.2  
54 45.8 36.2 54.2

Manual Integrations

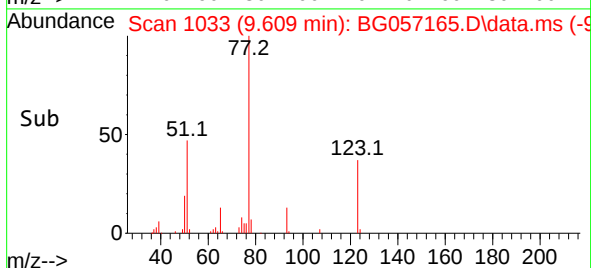
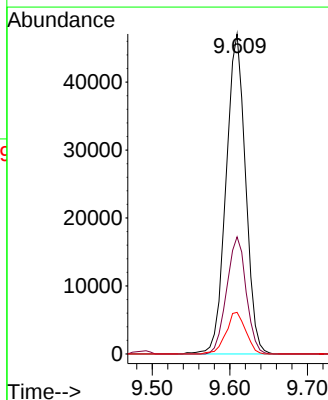
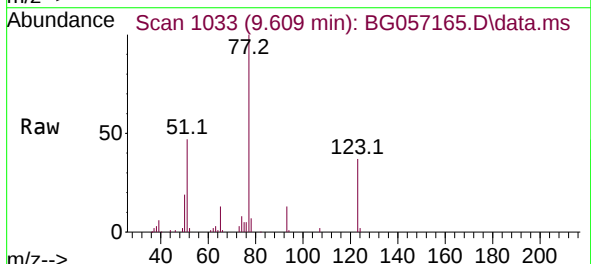
APPROVED

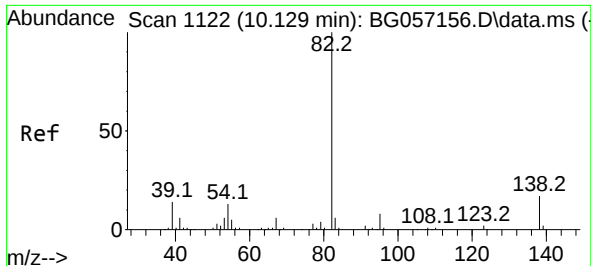
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#24  
Nitrobenzene  
Concen: 50.301 ng  
RT: 9.609 min Scan# 1033  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion: 77 Resp: 82118  
Ion Ratio Lower Upper  
77 100  
123 36.6 31.3 46.9  
65 13.0 10.5 15.7





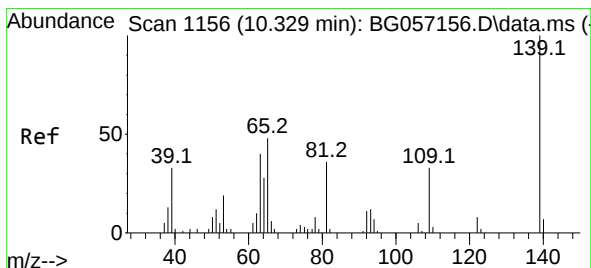
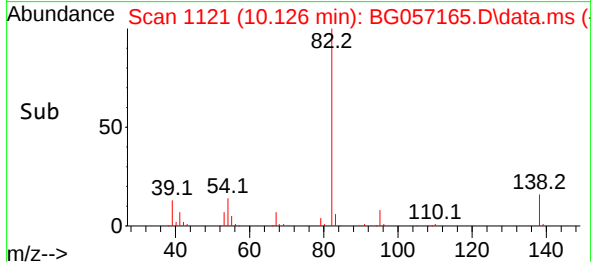
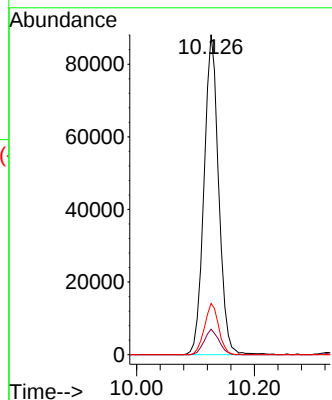
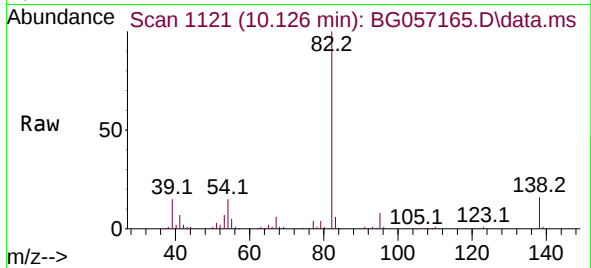
#25  
Isophorone  
Concen: 48.767 ng  
RT: 10.126 min Scan# 1121  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS

Tgt Ion: 82 Resp: 15209  
Ion Ratio Lower Upper  
82 100  
95 8.0 6.2 9.2  
138 16.0 13.4 20.0

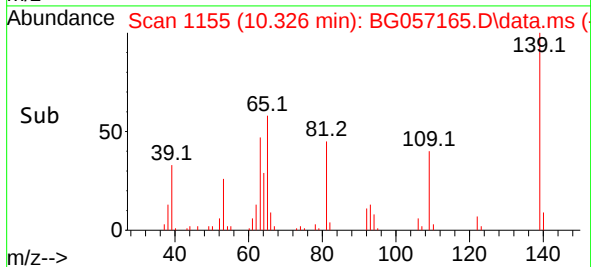
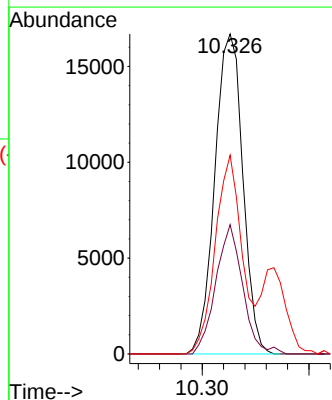
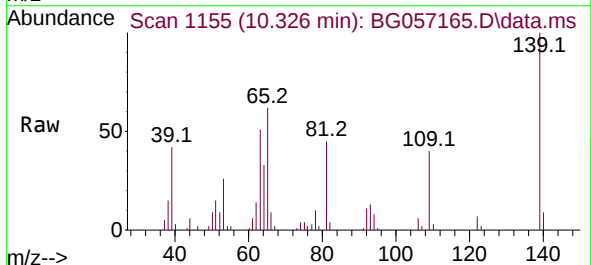
Manual Integrations  
APPROVED

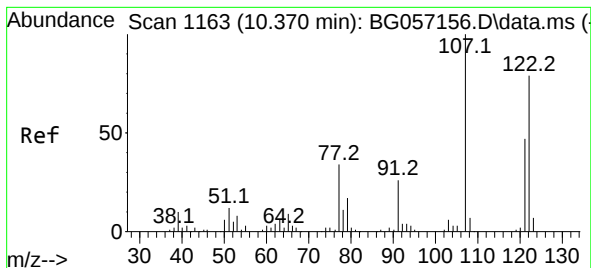
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#26  
2-Nitrophenol  
Concen: 49.922 ng  
RT: 10.326 min Scan# 1155  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:139 Resp: 30448  
Ion Ratio Lower Upper  
139 100  
109 40.4 26.6 39.8#  
65 62.1 38.6 58.0#





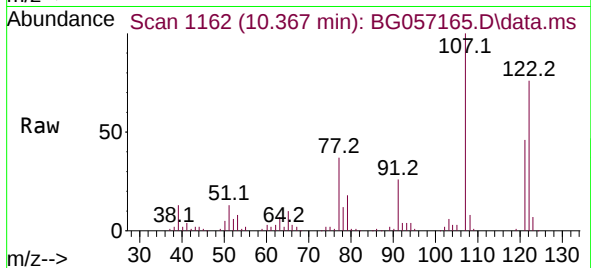
#27  
2,4-Dimethylphenol  
Concen: 52.801 ng  
RT: 10.367 min Scan# 1162  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

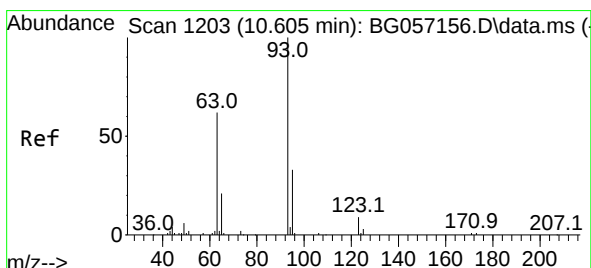
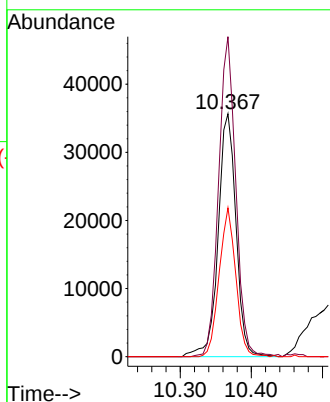
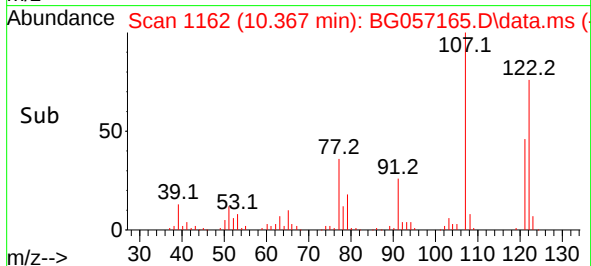


Tgt Ion:122 Resp: 6189  
Ion Ratio Lower Upper  
122 100  
107 131.8 101.5 152.3  
121 61.3 48.0 72.0

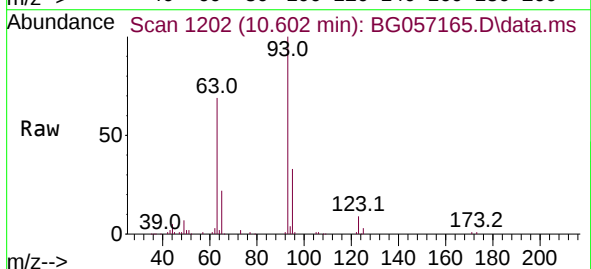
Manual Integrations

APPROVED

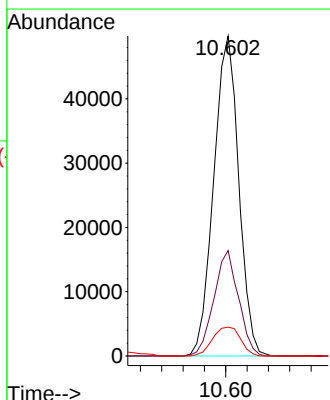
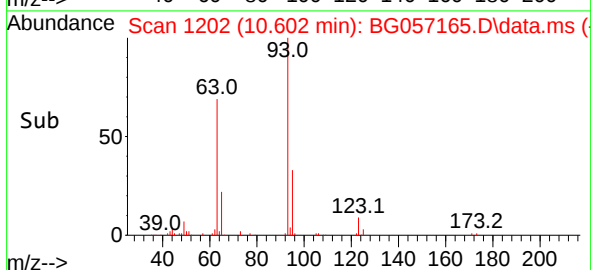
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

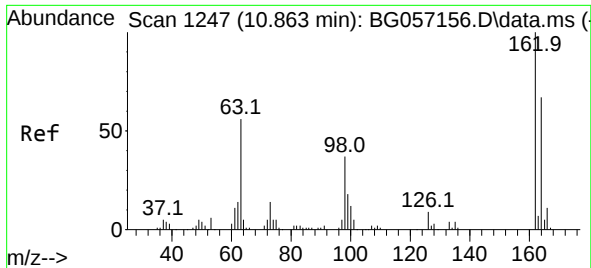


#28  
bis(2-Chloroethoxy)methane  
Concen: 49.492 ng  
RT: 10.602 min Scan# 1202  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion: 93 Resp: 80916  
Ion Ratio Lower Upper  
93 100  
95 32.9 26.5 39.7  
123 9.0 7.4 11.0





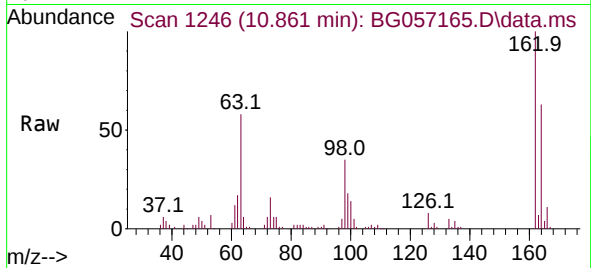
#29  
2,4-Dichlorophenol  
Concen: 49.131 ng  
RT: 10.861 min Scan# 1246  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

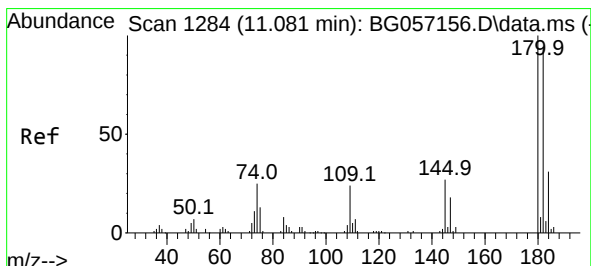
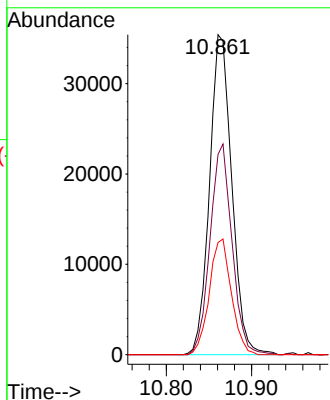
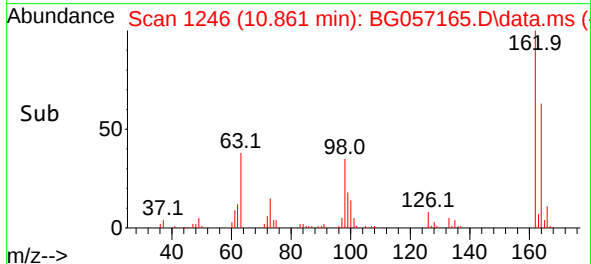


Tgt Ion:162 Resp: 64158  
Ion Ratio Lower Upper  
162 100  
164 62.6 47.2 87.2  
98 35.1 16.8 56.8

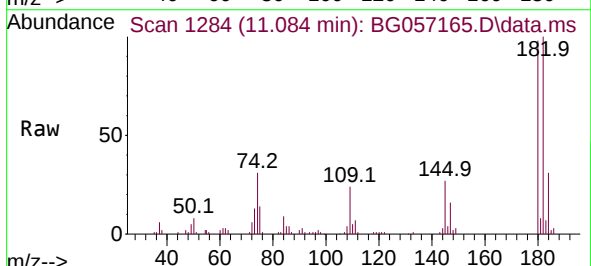
Manual Integrations

APPROVED

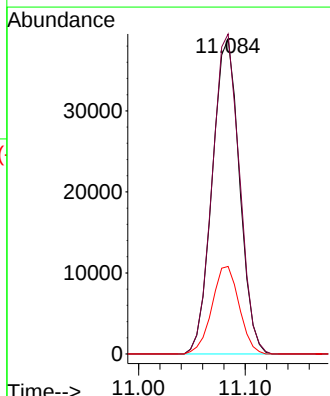
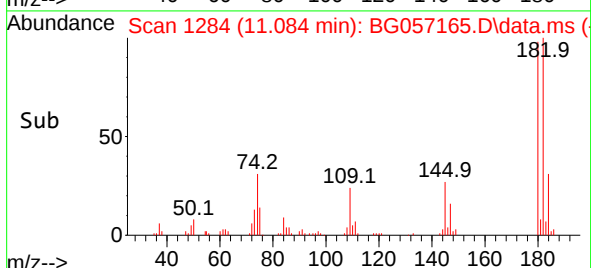
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

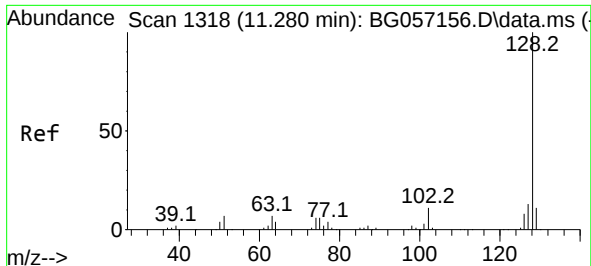


#30  
1,2,4-Trichlorobenzene  
Concen: 43.109 ng  
RT: 11.084 min Scan# 1284  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



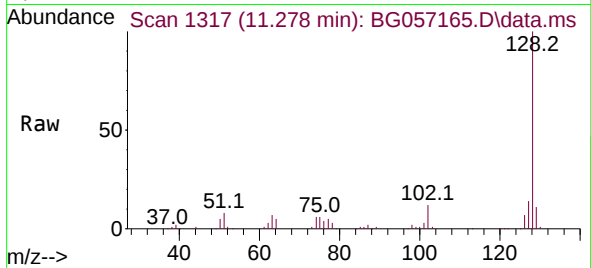
Tgt Ion:180 Resp: 68839  
Ion Ratio Lower Upper  
180 100  
182 101.6 75.0 112.6  
145 27.8 21.4 32.2





#31  
Naphthalene  
Concen: 44.383 ng  
RT: 11.278 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

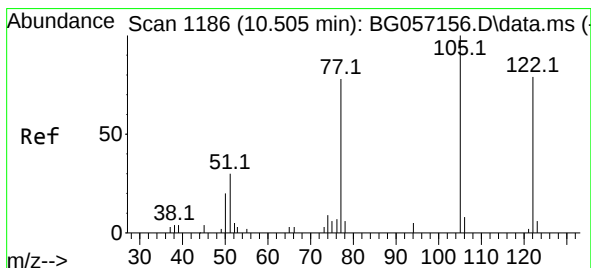
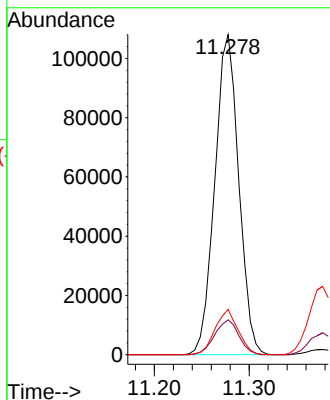
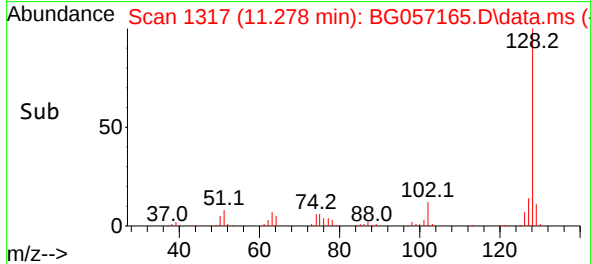
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



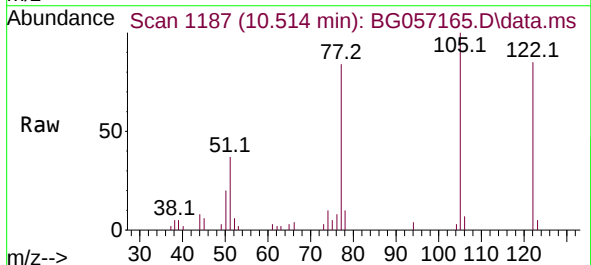
Tgt Ion:128 Resp: 189494  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 14.1 10.6 16.0

Manual Integrations  
APPROVED

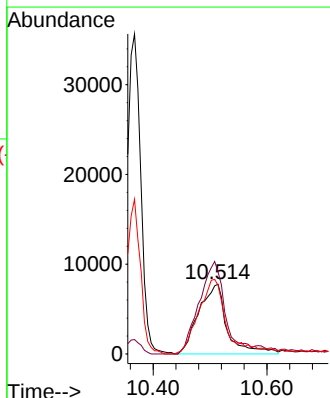
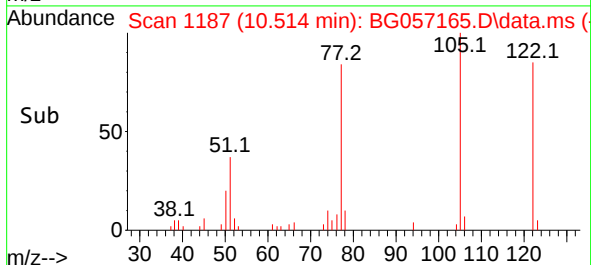
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

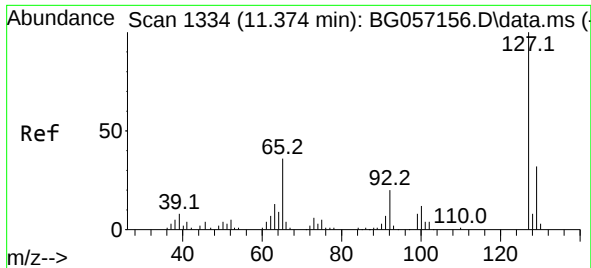


#32  
Benzoic acid  
Concen: 48.913 ng  
RT: 10.514 min Scan# 1187  
Delta R.T. 0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:122 Resp: 26972  
Ion Ratio Lower Upper  
122 100  
105 117.8 104.3 144.3  
77 98.5 79.5 119.5





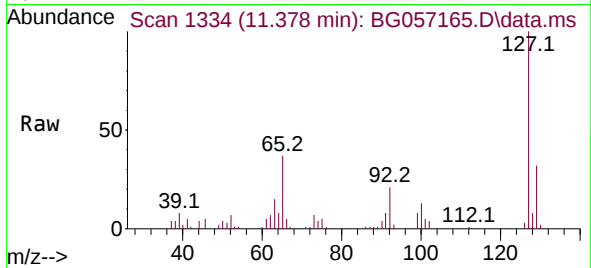
#33  
4-Chloroaniline  
Concen: 24.668 ng  
RT: 11.378 min Scan# 1133  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

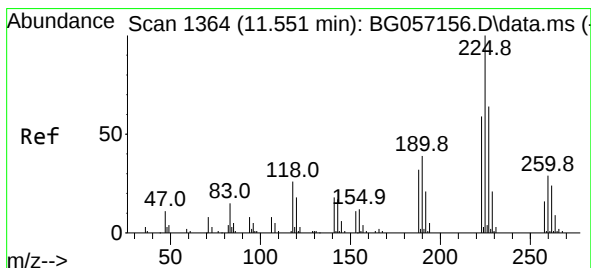
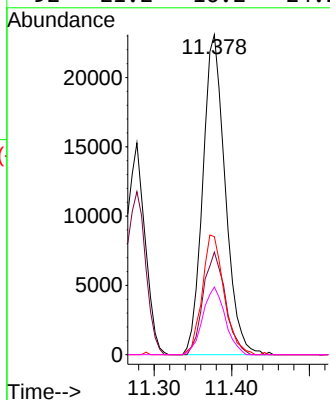
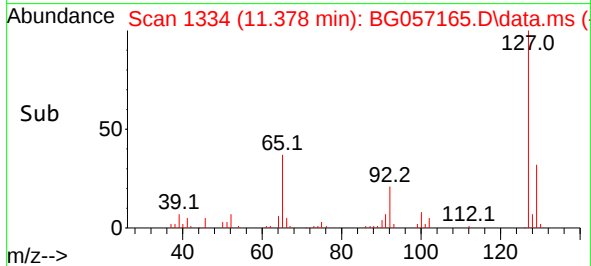


Tgt Ion:127 Resp: 4630  
Ion Ratio Lower Upper  
127 100  
129 32.1 25.9 38.9  
65 36.9 28.6 42.8  
92 21.2 16.2 24.2

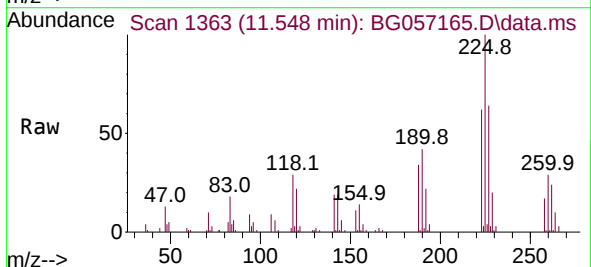
Manual Integrations

APPROVED

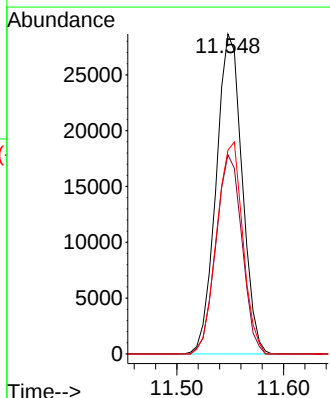
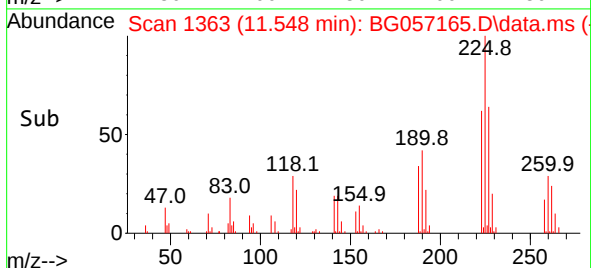
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

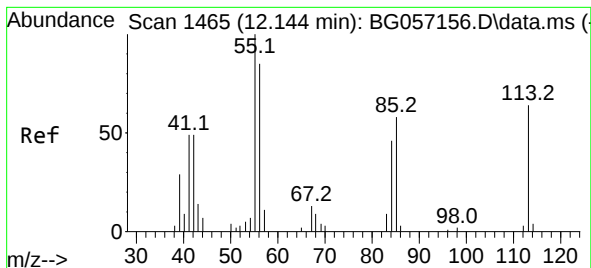


#34  
Hexachlorobutadiene  
Concen: 41.202 ng  
RT: 11.548 min Scan# 1363  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



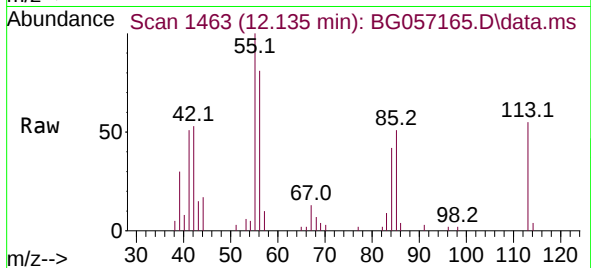
Tgt Ion:225 Resp: 48514  
Ion Ratio Lower Upper  
225 100  
223 62.2 47.4 71.0  
227 63.7 51.1 76.7





#35  
Caprolactam  
Concen: 53.746 ng m  
RT: 12.135 min Scan# 1463  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

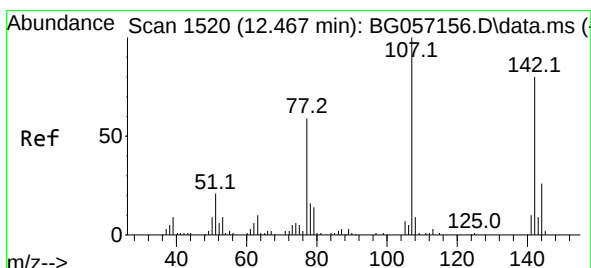
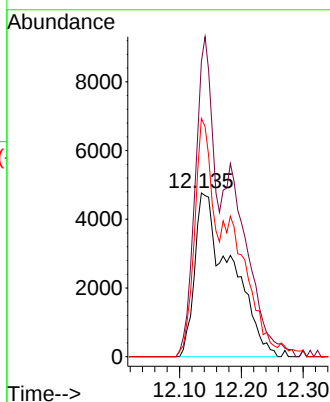
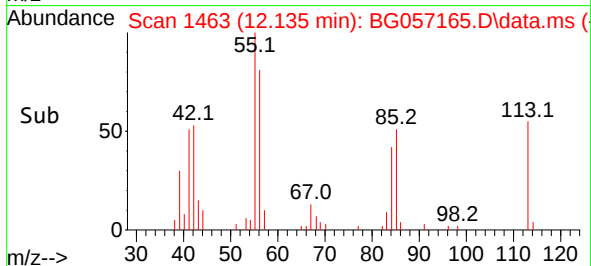
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



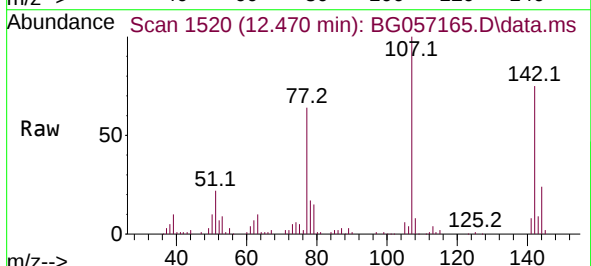
Tgt Ion:113 Resp: 19434  
Ion Ratio Lower Upper  
113 100  
55 180.3 135.8 175.8  
56 145.5 111.8 151.8

Manual Integrations  
APPROVED

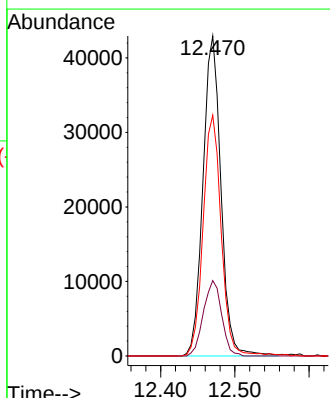
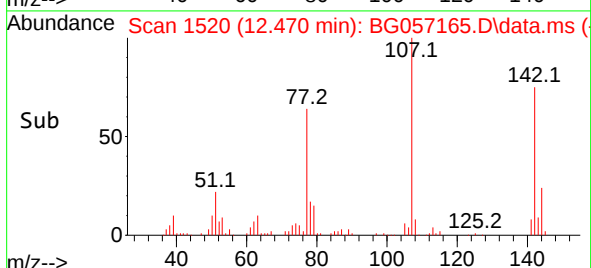
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

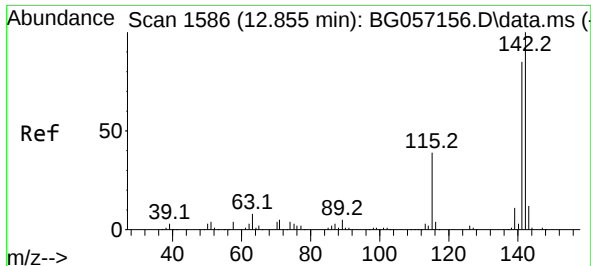


#36  
4-Chloro-3-methylphenol  
Concen: 51.453 ng  
RT: 12.470 min Scan# 1520  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:107 Resp: 72281  
Ion Ratio Lower Upper  
107 100  
144 23.5 21.0 31.6  
142 75.3 63.8 95.8





#37  
2-Methylnaphthalene  
Concen: 42.059 ng  
RT: 12.852 min Scan# 1586  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

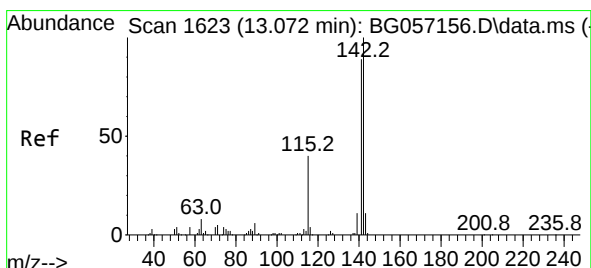
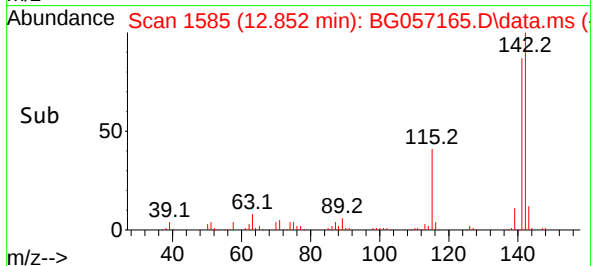
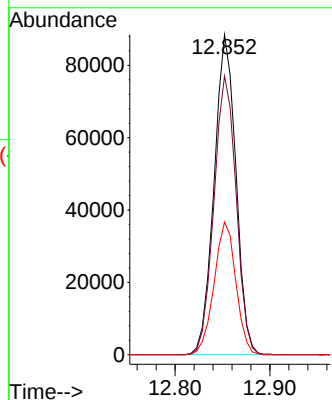
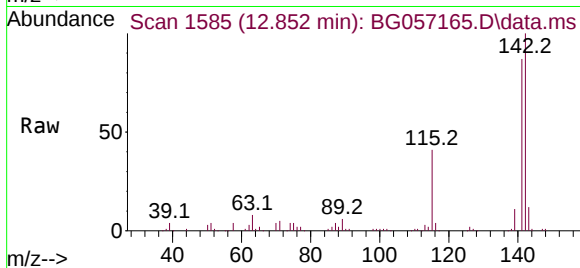
PB152297BS

Tgt Ion:142 Resp: 14131  
Ion Ratio Lower Upper  
142 100  
141 87.1 68.1 102.1  
115 41.5 31.0 46.4

Manual Integrations

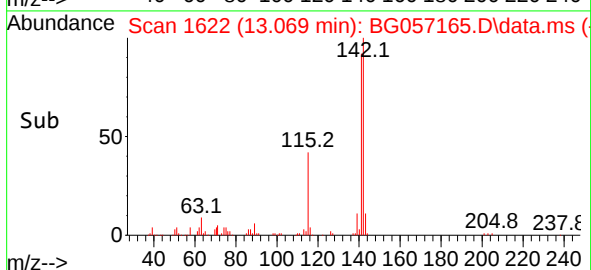
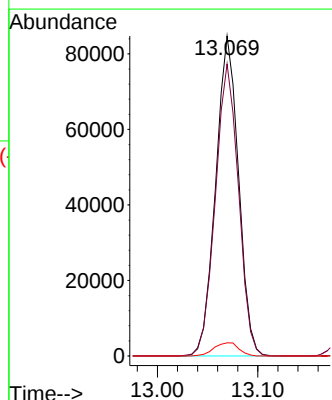
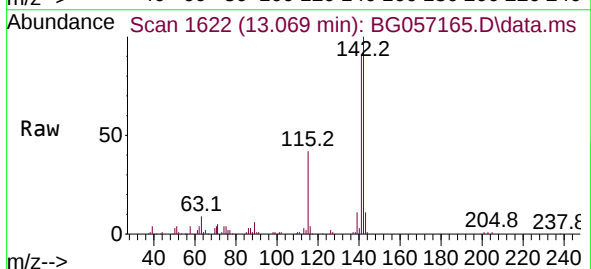
APPROVED

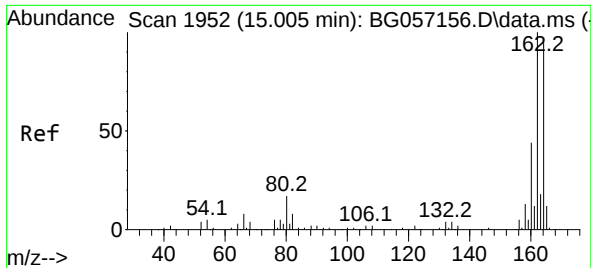
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#38  
1-Methylnaphthalene  
Concen: 43.154 ng  
RT: 13.069 min Scan# 1622  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:142 Resp: 133862  
Ion Ratio Lower Upper  
142 100  
141 91.3 71.6 107.4  
116 4.1 3.3 4.9





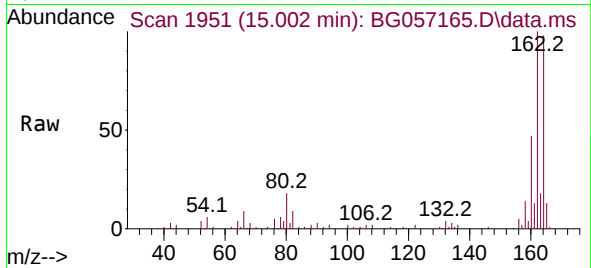
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.002 min Scan# 1952  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

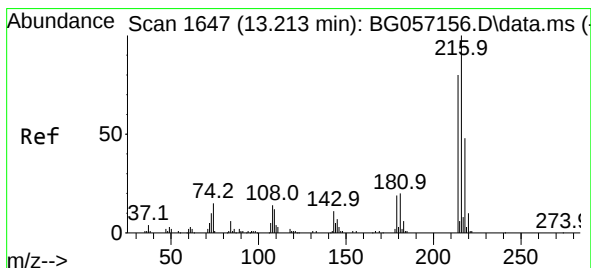
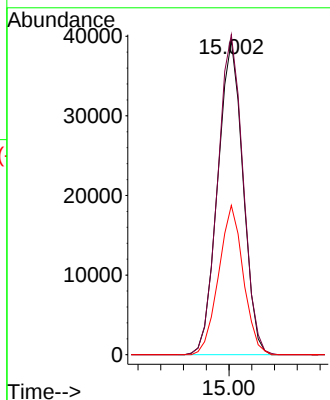
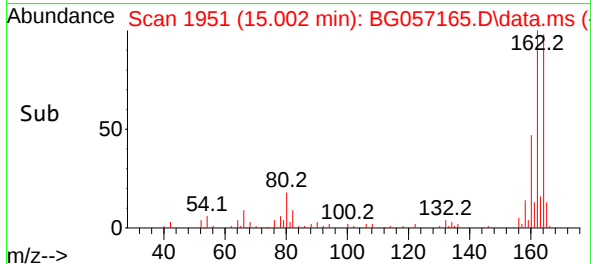


Tgt Ion:164 Resp: 60652  
Ion Ratio Lower Upper  
164 100  
162 101.8 82.4 123.6  
160 47.5 36.2 54.2

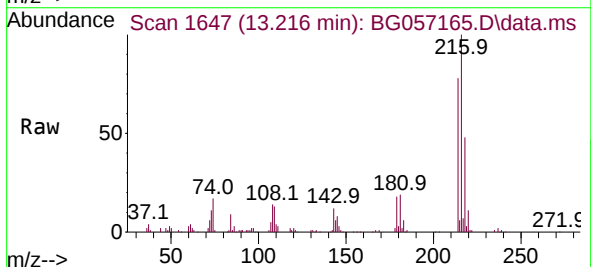
Manual Integrations

APPROVED

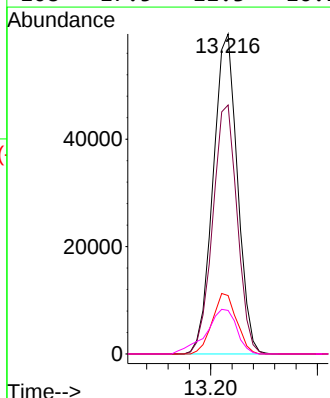
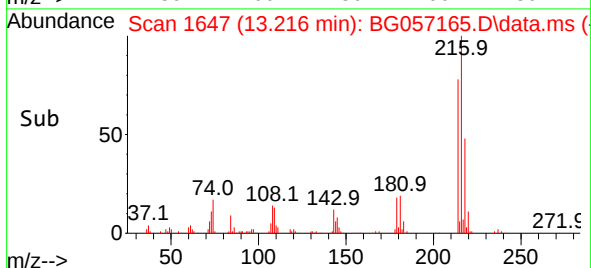
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

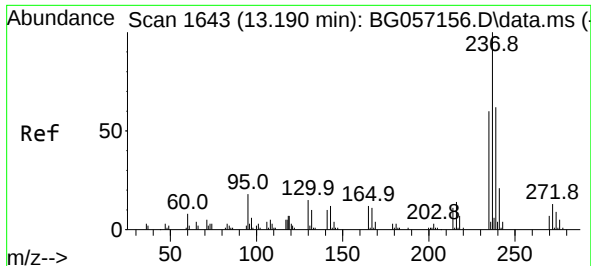


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.463 ng  
RT: 13.216 min Scan# 1647  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



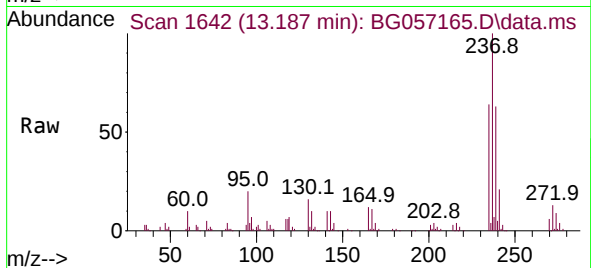
Tgt Ion:216 Resp: 94238  
Ion Ratio Lower Upper  
216 100  
214 78.1 62.3 93.5  
179 18.9 14.8 22.2  
108 17.5 11.3 16.9#





#41  
Hexachlorocyclopentadiene  
Concen: 104.153 ng  
RT: 13.187 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

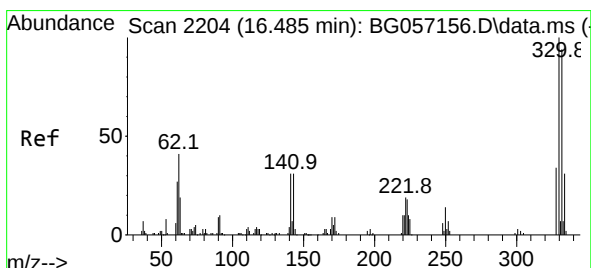
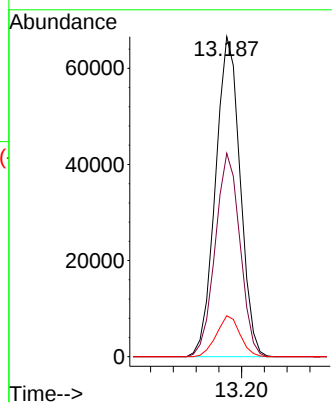
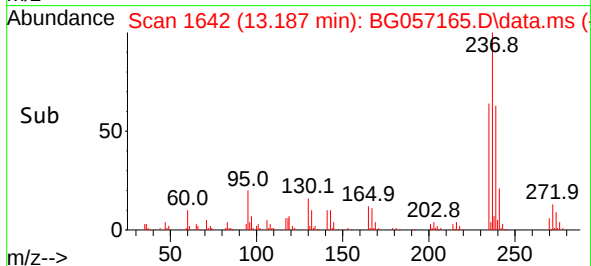
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



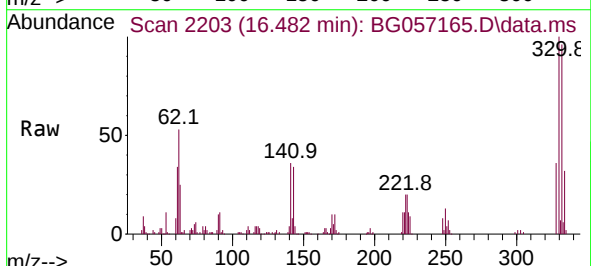
Tgt Ion:237 Resp: 100298  
Ion Ratio Lower Upper  
237 100  
235 63.6 39.7 79.7  
272 12.8 0.0 32.6

Manual Integrations  
APPROVED

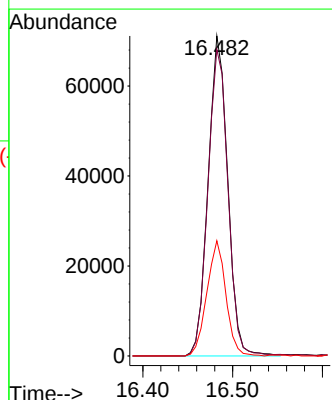
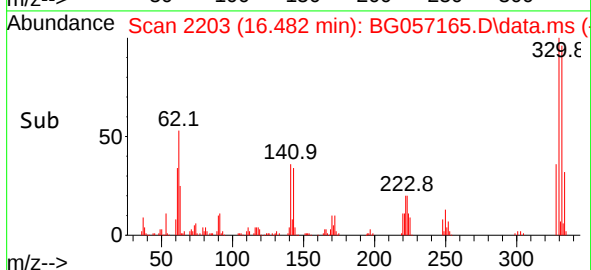
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

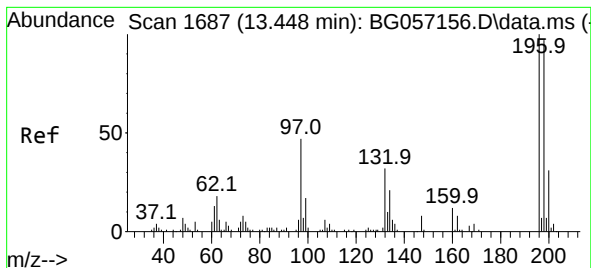


#42  
2,4,6-Tribromophenol  
Concen: 134.976 ng  
RT: 16.482 min Scan# 2203  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:330 Resp: 108015  
Ion Ratio Lower Upper  
330 100  
332 97.9 77.6 116.4  
141 34.9 26.0 39.0





#43  
2,4,6-Trichlorophenol  
Concen: 48.750 ng  
RT: 13.445 min Scan# 1686  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

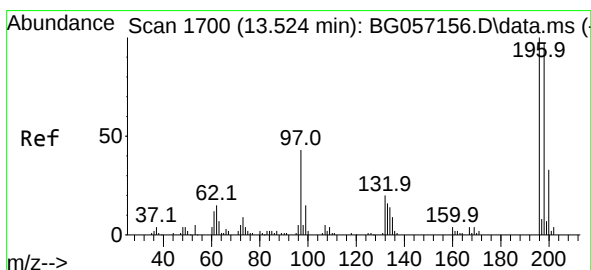
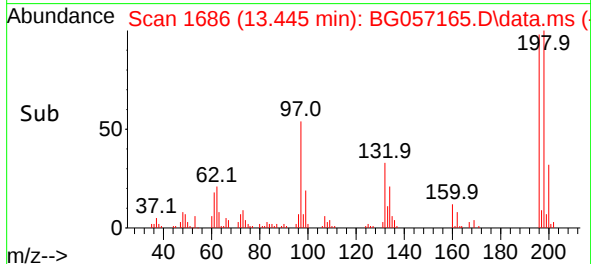
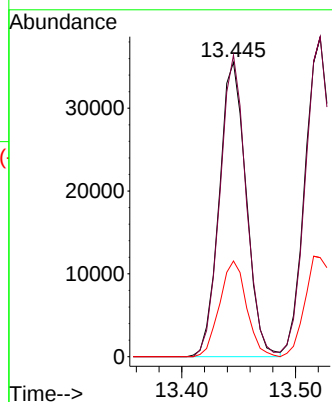
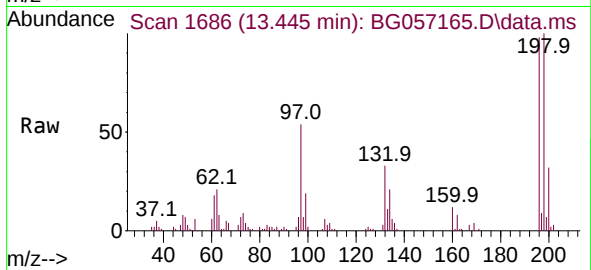
PB152297BS

Tgt Ion:196 Resp: 5857  
Ion Ratio Lower Upper  
196 100  
198 102.5 77.5 116.3  
200 32.5 24.6 37.0

Manual Integrations

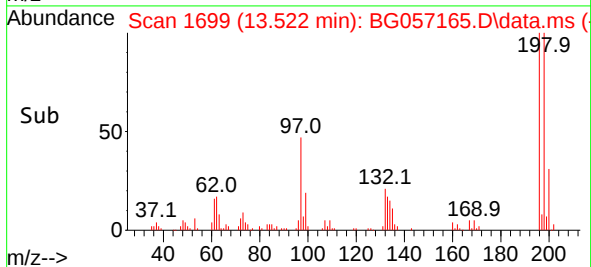
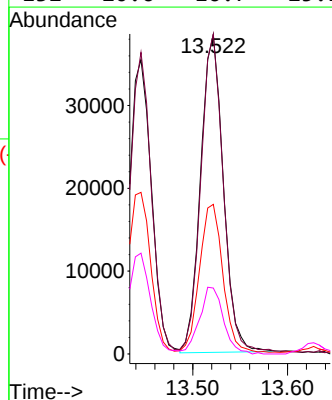
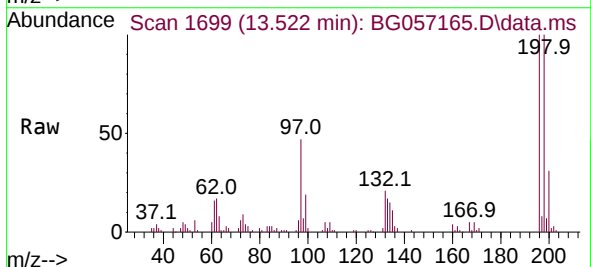
APPROVED

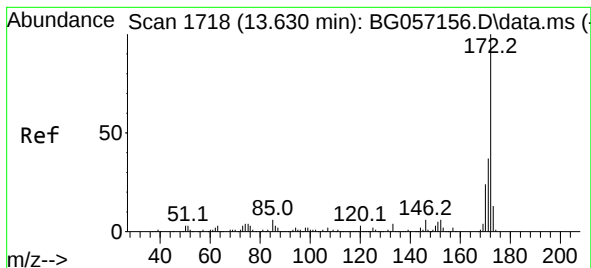
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#44  
2,4,5-Trichlorophenol  
Concen: 44.168 ng  
RT: 13.522 min Scan# 1699  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

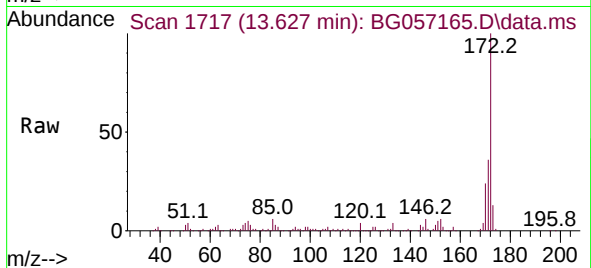
Tgt Ion:196 Resp: 64067  
Ion Ratio Lower Upper  
196 100  
198 100.2 78.4 117.6  
97 46.9 34.6 51.8  
132 20.6 16.7 25.1





#45  
2-Fluorobiphenyl  
Concen: 85.924 ng  
RT: 13.627 min Scan# 1717  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

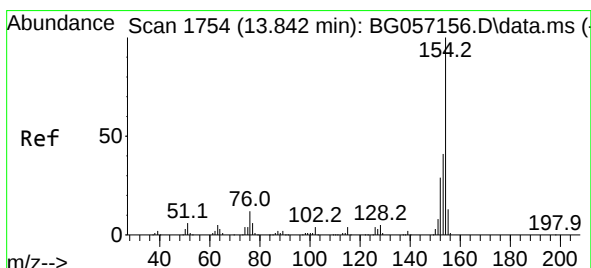
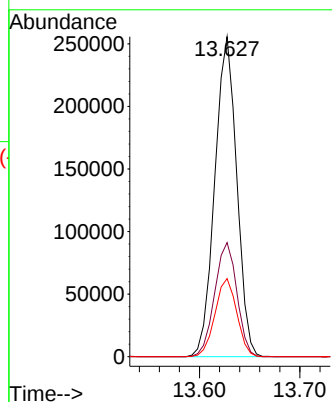
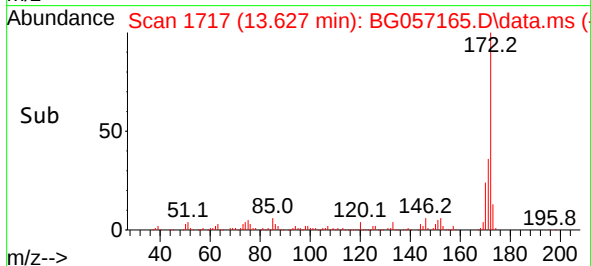
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



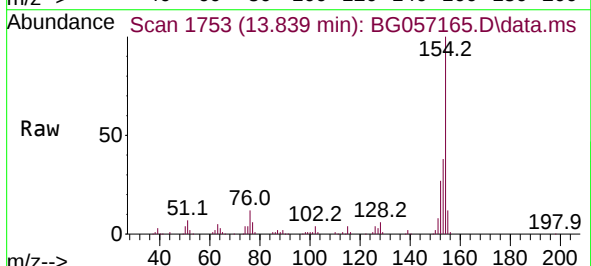
Tgt Ion:172 Resp: 38778  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.2 43.8  
170 24.4 19.4 29.2

Manual Integrations  
APPROVED

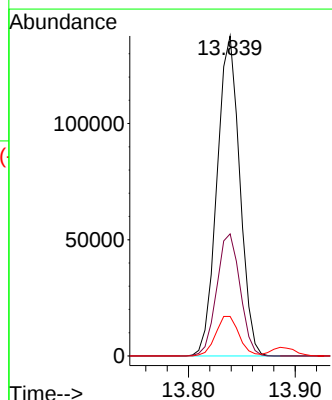
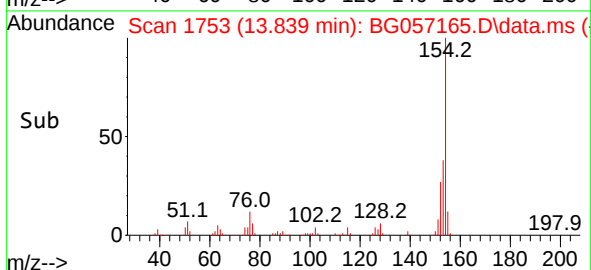
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

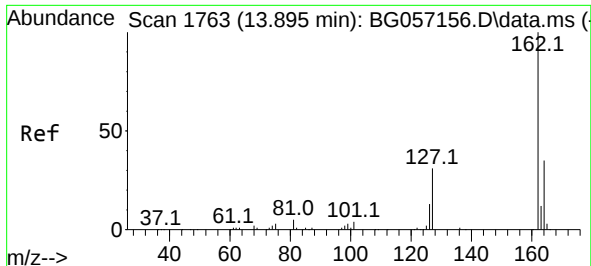


#46  
1,1'-Biphenyl  
Concen: 45.063 ng  
RT: 13.839 min Scan# 1753  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:154 Resp: 203724  
Ion Ratio Lower Upper  
154 100  
153 38.1 20.9 60.9  
76 12.4 0.0 32.3





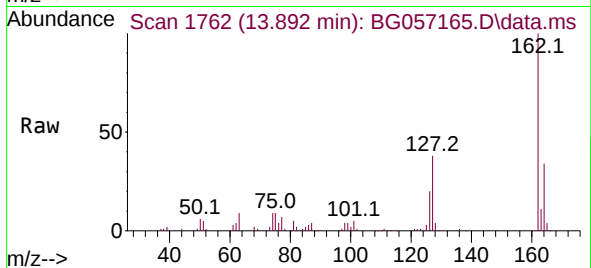
#47  
2-Chloronaphthalene  
Concen: 44.920 ng  
RT: 13.892 min Scan# 1762  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

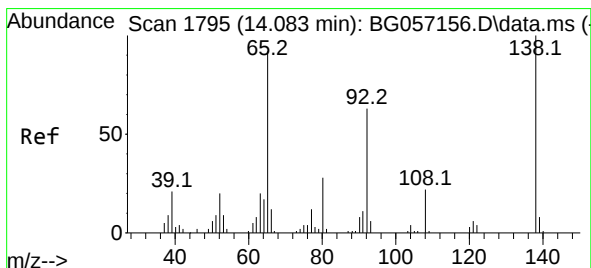
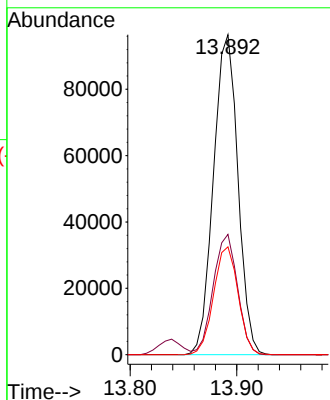
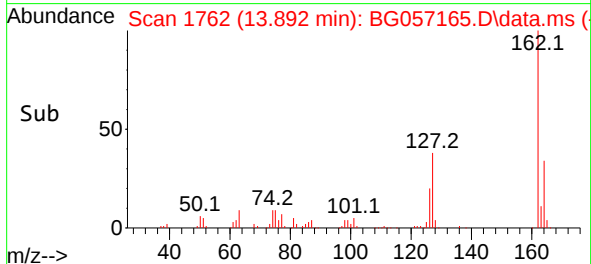


Tgt Ion:162 Resp: 153274  
Ion Ratio Lower Upper  
162 100  
127 37.6 28.7 43.1  
164 33.7 27.8 41.6

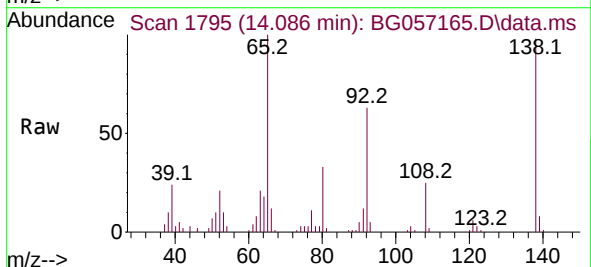
Manual Integrations

APPROVED

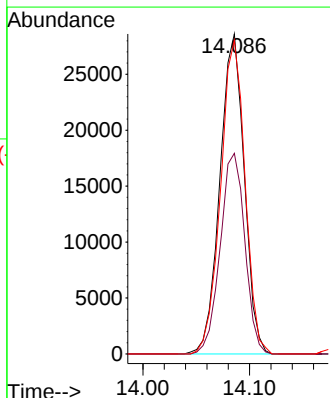
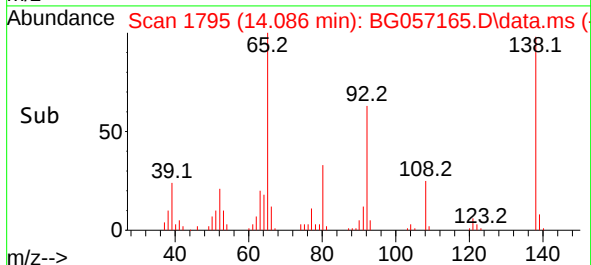
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

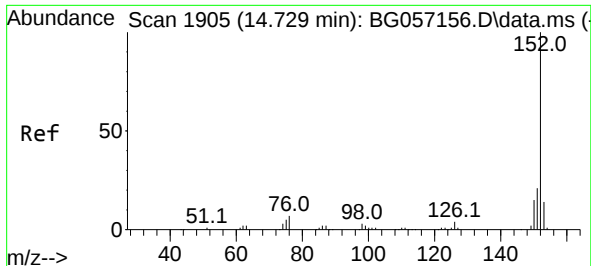


#48  
2-Nitroaniline  
Concen: 52.520 ng  
RT: 14.086 min Scan# 1795  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion: 65 Resp: 45191  
Ion Ratio Lower Upper  
65 100  
92 62.7 54.9 82.3  
138 98.1 86.6 129.8





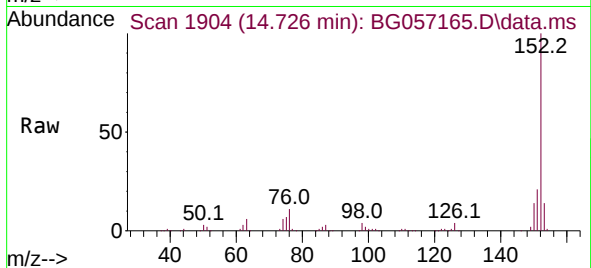
#49  
Acenaphthylene  
Concen: 44.744 ng  
RT: 14.726 min Scan# 1904  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

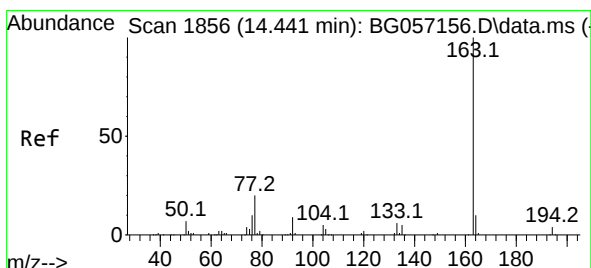
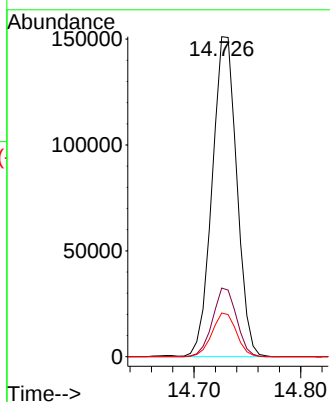
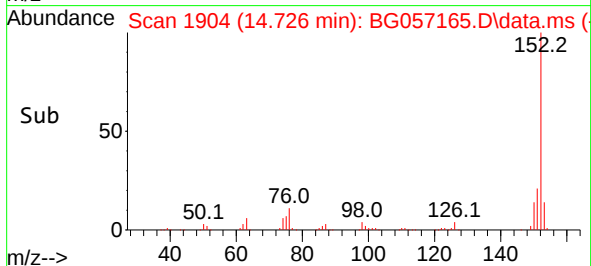


Tgt Ion:152 Resp: 242360  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.9 25.3  
153 13.7 11.0 16.6

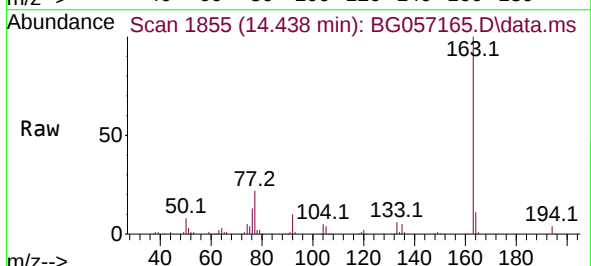
Manual Integrations

APPROVED

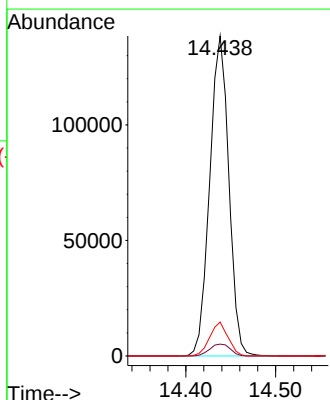
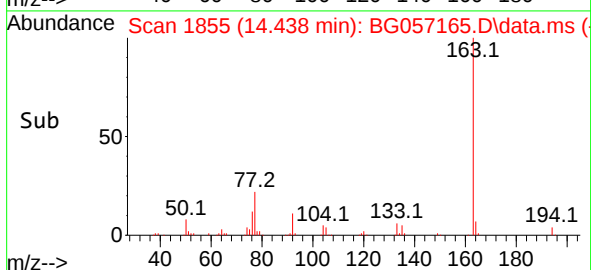
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

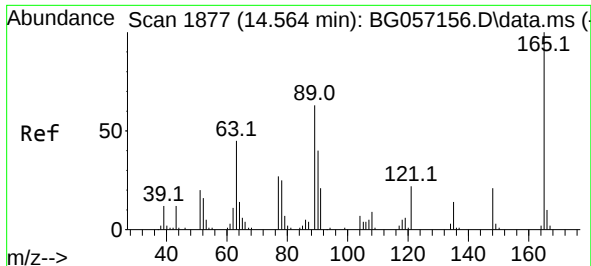


#50  
Dimethylphthalate  
Concen: 48.050 ng  
RT: 14.438 min Scan# 1855  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



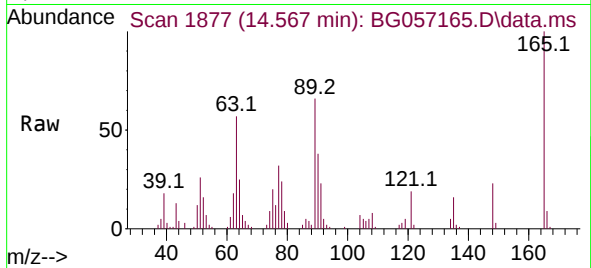
Tgt Ion:163 Resp: 204532  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 10.6 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 50.045 ng  
RT: 14.567 min Scan# 1877  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

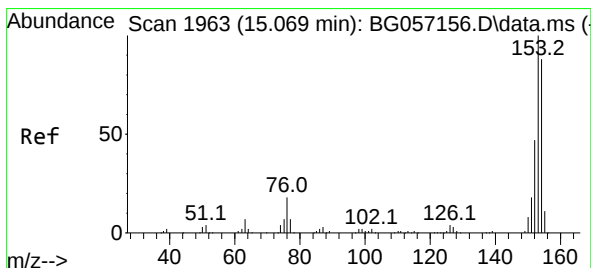
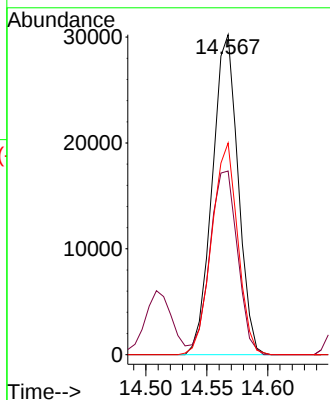
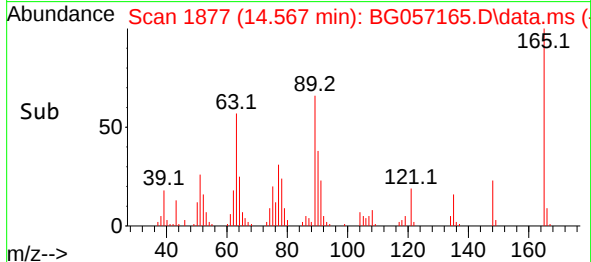
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



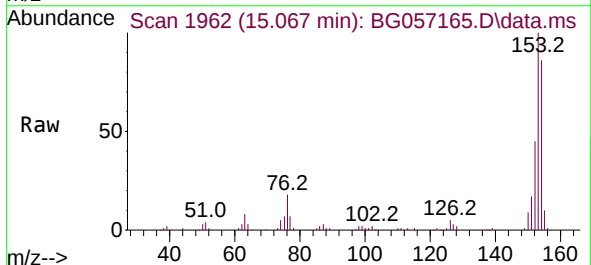
Tgt Ion:165 Resp: 44460  
Ion Ratio Lower Upper  
165 100  
63 57.4 45.5 68.3  
89 66.2 50.1 75.1

Manual Integrations  
APPROVED

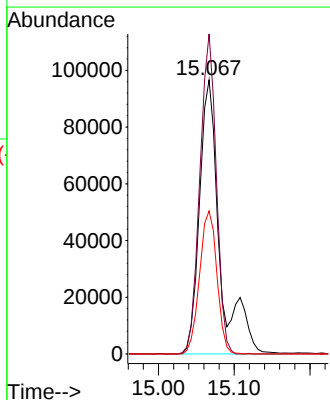
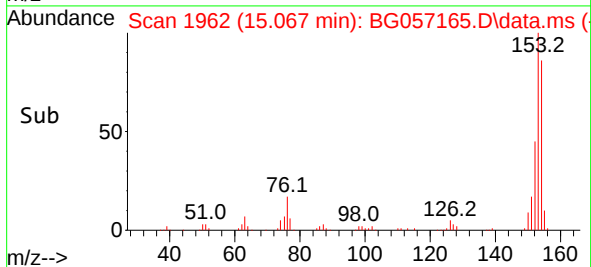
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

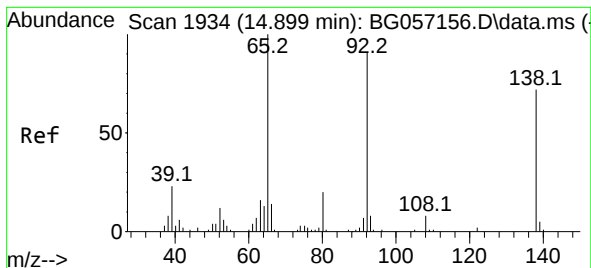


#52  
Acenaphthene  
Concen: 51.097 ng m  
RT: 15.067 min Scan# 1962  
Delta R.T. -0.002 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:154 Resp: 180832  
Ion Ratio Lower Upper  
154 100  
153 116.8 91.0 136.4  
152 52.2 43.0 64.6





#53  
3-Nitroaniline  
Concen: 30.662 ng  
RT: 14.896 min Scan# 1933  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

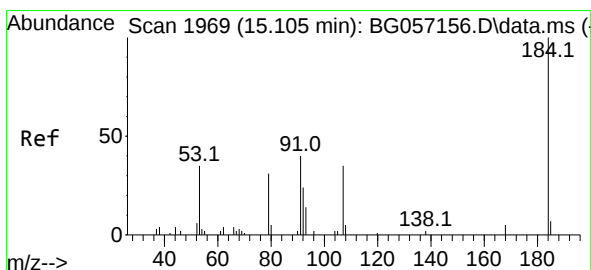
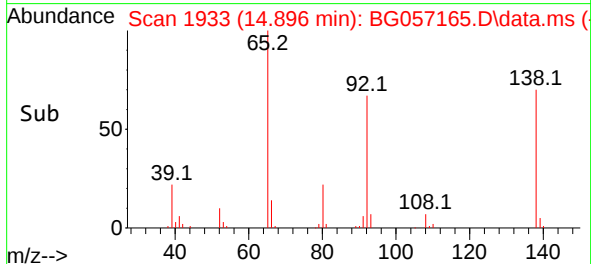
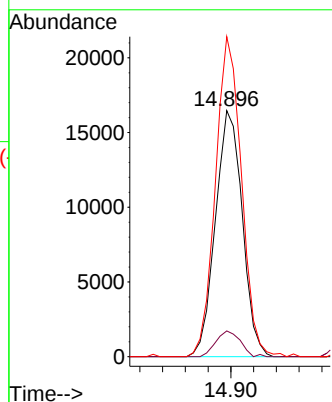
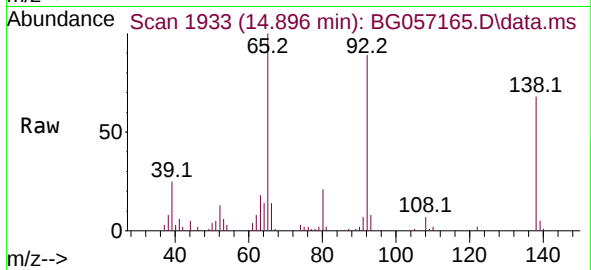
PB152297BS

Tgt Ion:138 Resp: 2705  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.8 13.2  
92 130.0 101.4 152.2

Manual Integrations

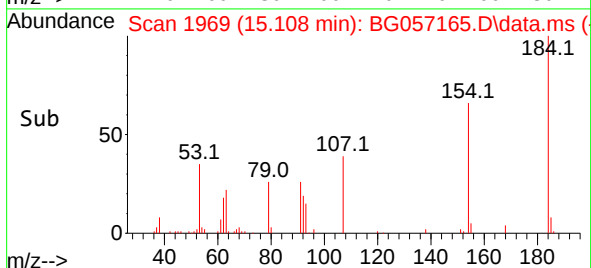
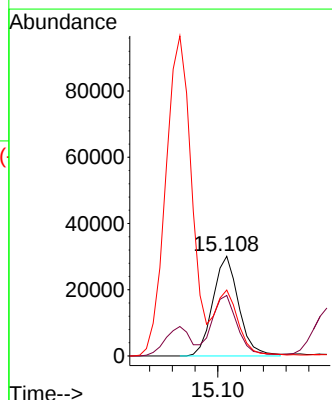
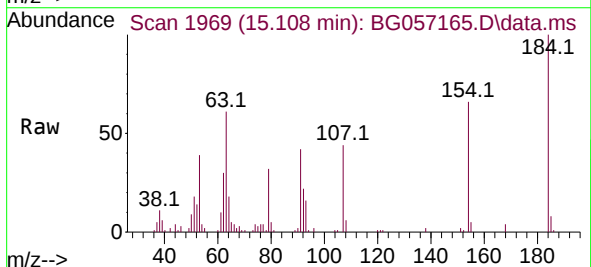
APPROVED

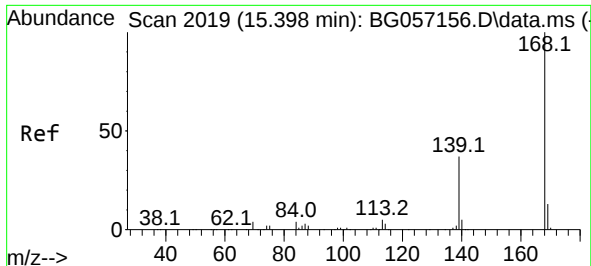
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#54  
2,4-Dinitrophenol  
Concen: 93.020 ng  
RT: 15.108 min Scan# 1969  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

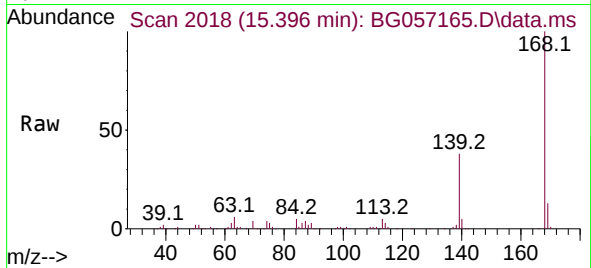
Tgt Ion:184 Resp: 47424  
Ion Ratio Lower Upper  
184 100  
63 60.6 43.4 65.0  
154 66.1 45.2 67.8





#55  
Dibenzofuran  
Concen: 43.231 ng  
RT: 15.396 min Scan# 2019  
Delta R.T. -0.002 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

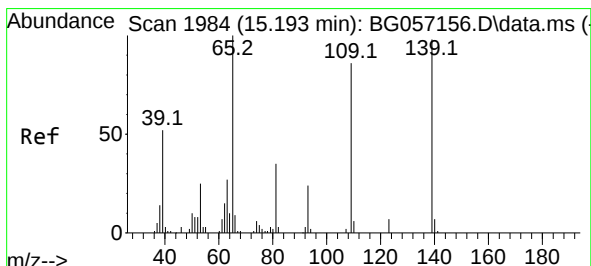
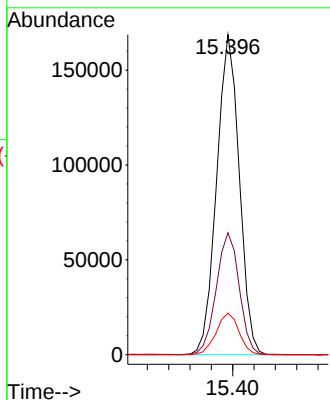
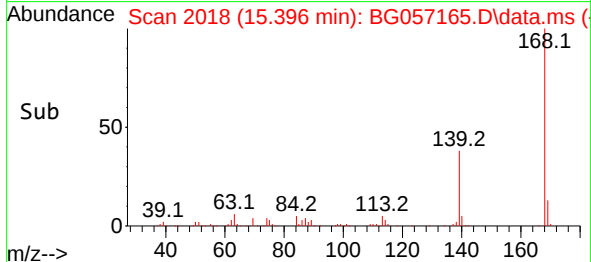
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



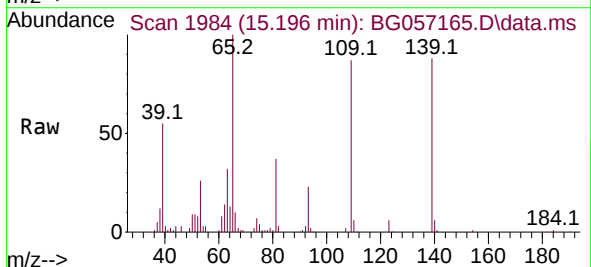
Tgt Ion:168 Resp: 24789  
Ion Ratio Lower Upper  
168 100  
139 38.1 29.2 43.8  
169 12.9 10.6 15.8

Manual Integrations  
APPROVED

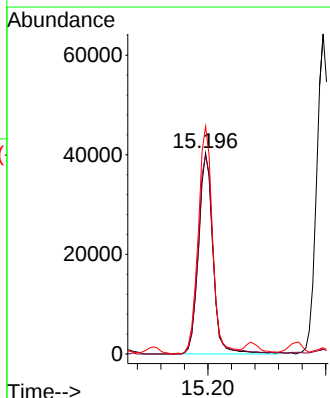
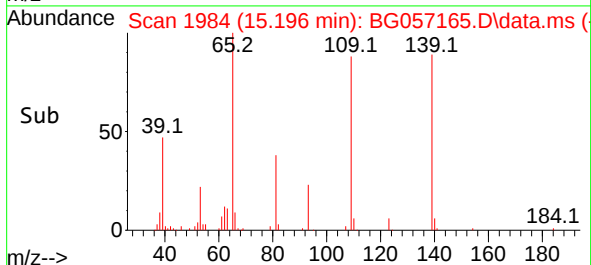
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

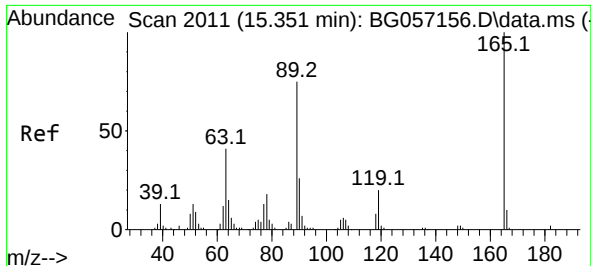


#56  
4-Nitrophenol  
Concen: 110.244 ng  
RT: 15.196 min Scan# 1984  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:139 Resp: 68465  
Ion Ratio Lower Upper  
139 100  
109 98.8 67.3 107.3  
65 113.3 82.0 122.0





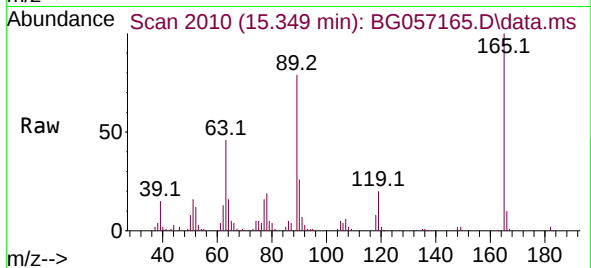
#57  
2,4-Dinitrotoluene  
Concen: 52.130 ng  
RT: 15.349 min Scan# 2011  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

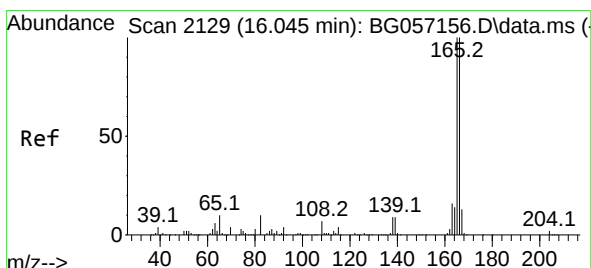
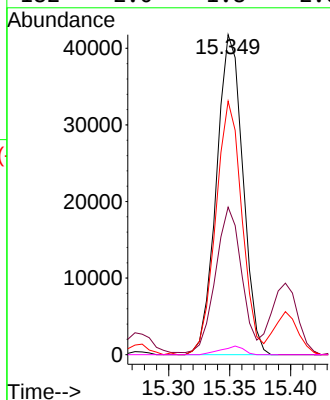
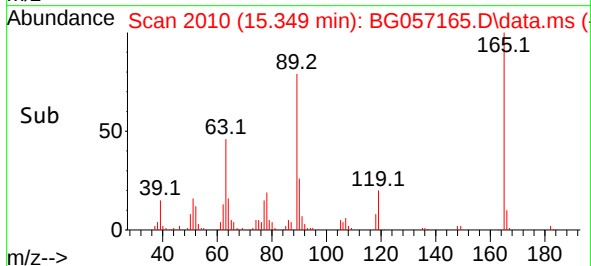


Tgt Ion:165 Resp: 63079  
Ion Ratio Lower Upper  
165 100  
63 46.1 33.0 49.4  
89 79.2 60.0 90.0  
182 2.0 1.8 2.6

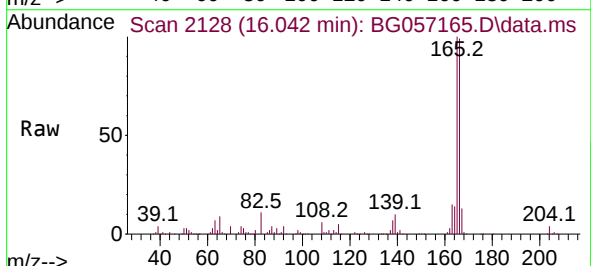
Manual Integrations

APPROVED

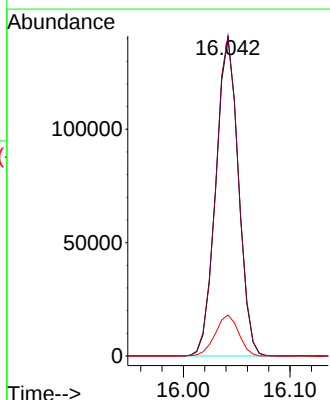
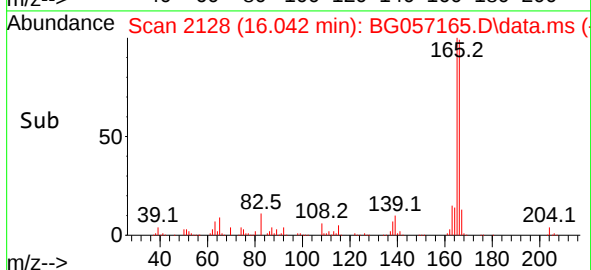
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

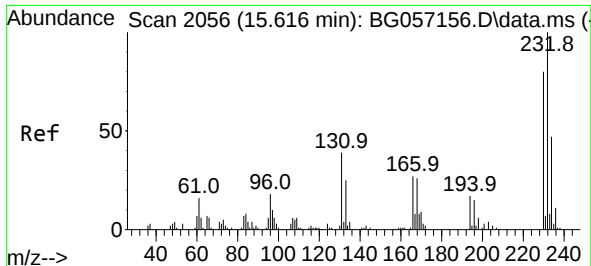


#58  
Fluorene  
Concen: 44.620 ng  
RT: 16.042 min Scan# 2128  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:166 Resp: 205991  
Ion Ratio Lower Upper  
166 100  
165 100.6 79.8 119.6  
167 12.9 10.7 16.1





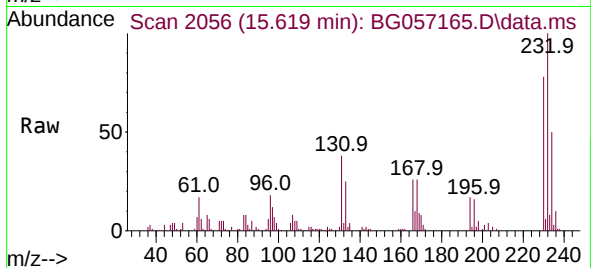
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.270 ng  
RT: 15.619 min Scan# 2056  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

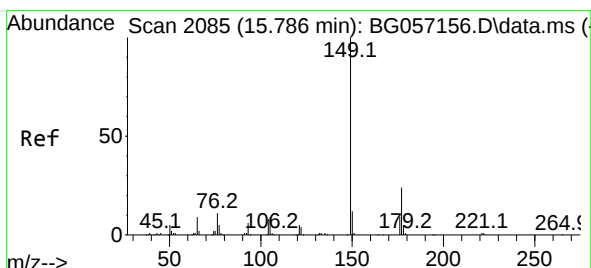
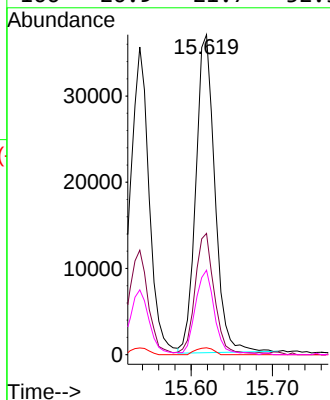
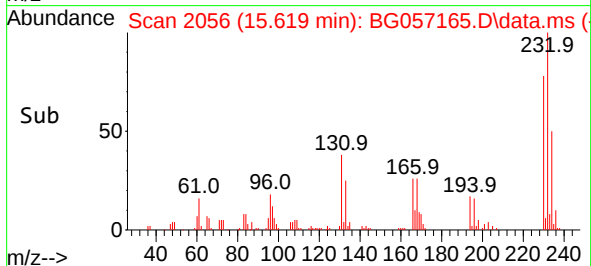


Tgt Ion:232 Resp: 5997  
Ion Ratio Lower Upper  
232 100  
131 37.8 30.8 46.2  
130 2.1 1.6 2.4  
166 26.9 21.7 32.5

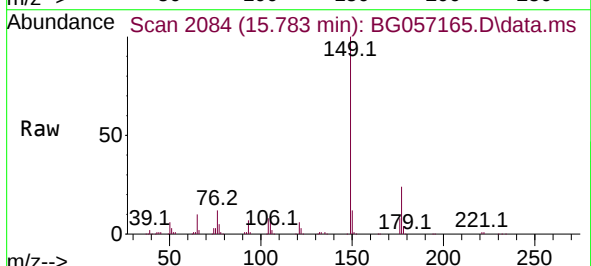
Manual Integrations

APPROVED

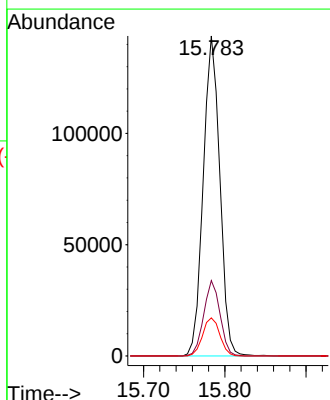
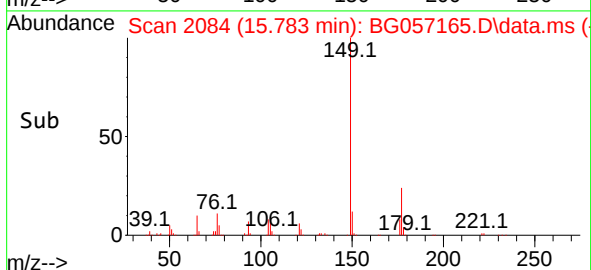
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

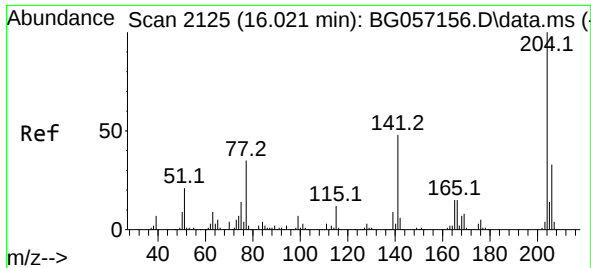


#60  
Diethylphthalate  
Concen: 49.604 ng  
RT: 15.783 min Scan# 2084  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



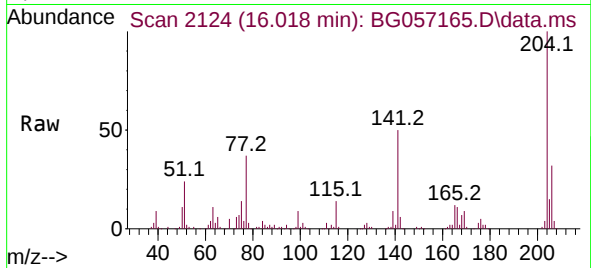
Tgt Ion:149 Resp: 203534  
Ion Ratio Lower Upper  
149 100  
177 23.6 19.0 28.4  
150 11.9 9.8 14.8





#61  
4-Chlorophenyl-phenylether  
Concen: 43.430 ng  
RT: 16.018 min Scan# 2124  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

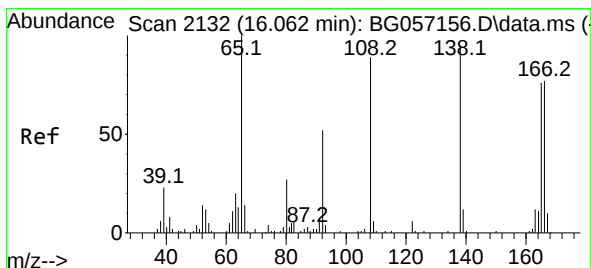
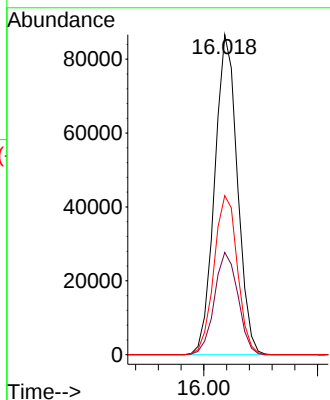
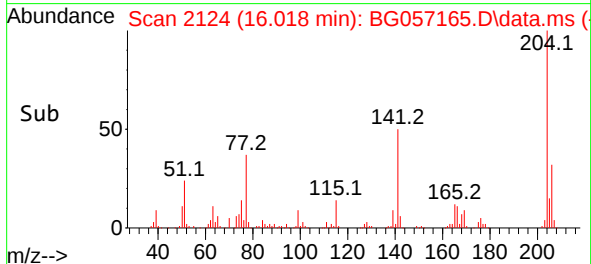
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



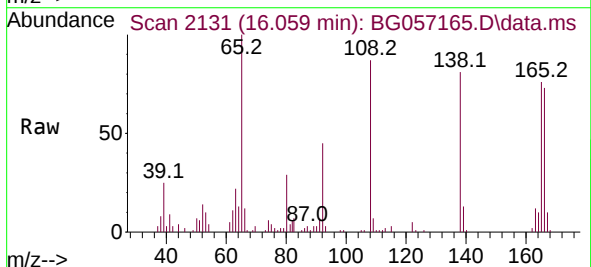
Tgt Ion:204 Resp: 120340  
Ion Ratio Lower Upper  
204 100  
206 32.0 26.3 39.5  
141 49.7 38.6 57.8

Manual Integrations  
APPROVED

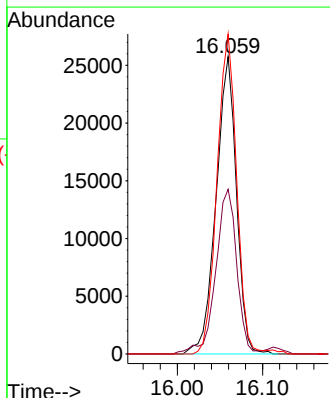
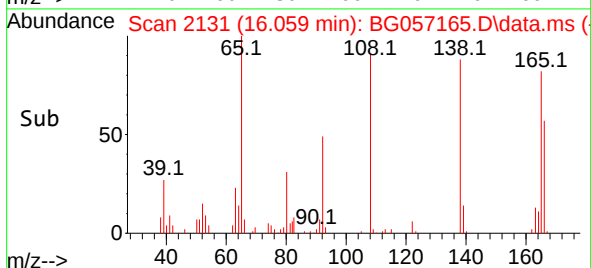
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

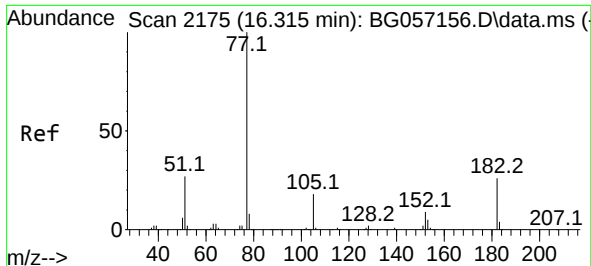


#62  
4-Nitroaniline  
Concen: 48.010 ng  
RT: 16.059 min Scan# 2131  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:138 Resp: 42654  
Ion Ratio Lower Upper  
138 100  
92 55.3 34.9 74.9  
108 107.6 73.0 113.0





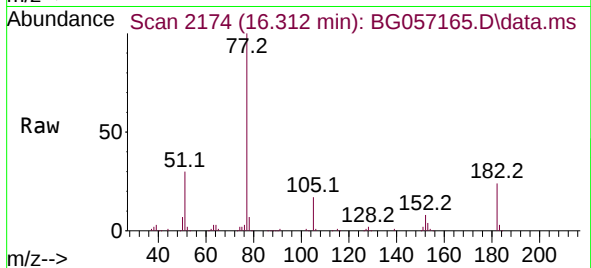
#63  
Azobenzene  
Concen: 50.224 ng  
RT: 16.312 min Scan# 2175  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

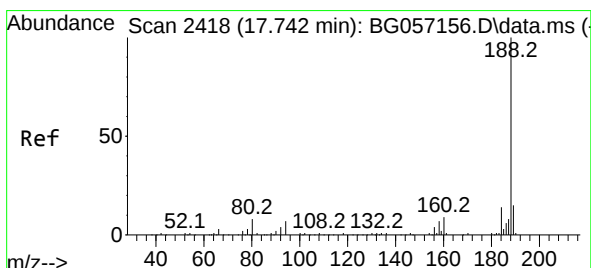
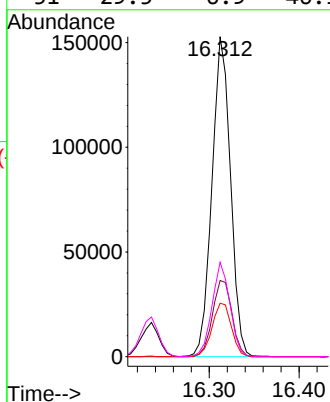
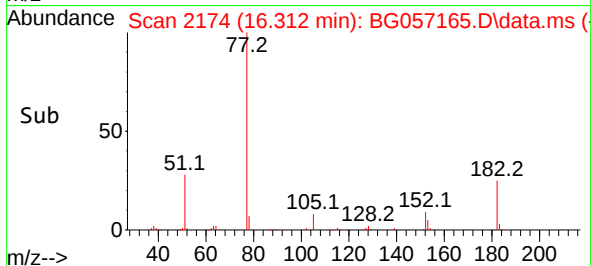


Tgt Ion: 77 Resp: 21922  
Ion Ratio Lower Upper  
77 100  
182 23.8 6.1 46.1  
105 16.7 0.0 38.4  
51 29.5 6.9 46.9

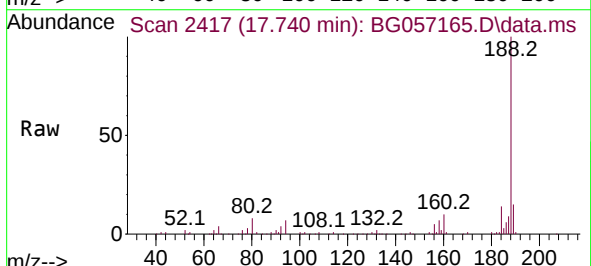
Manual Integrations

APPROVED

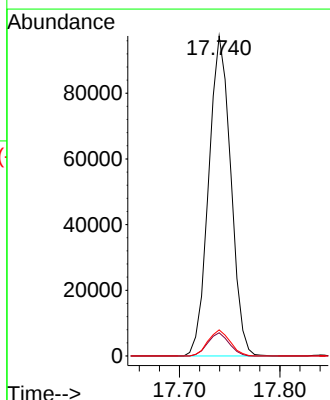
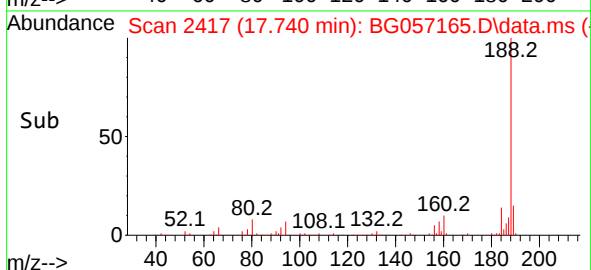
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

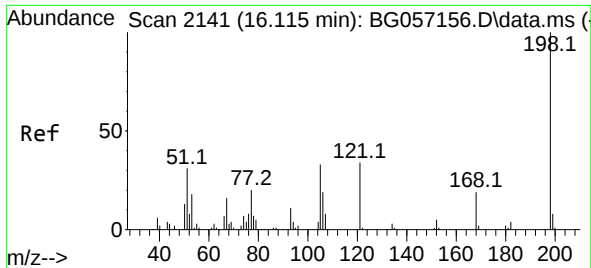


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.740 min Scan# 2417  
Delta R.T. -0.002 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



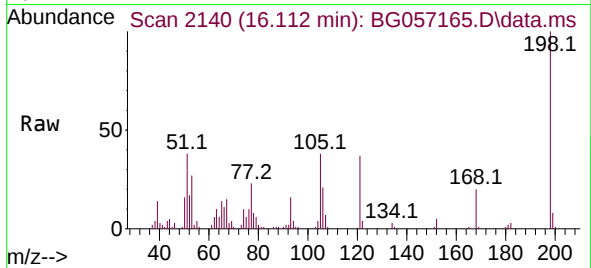
Tgt Ion:188 Resp: 149110  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.4 8.0  
80 8.2 6.2 9.2





#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.332 ng  
RT: 16.112 min Scan# 2141  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

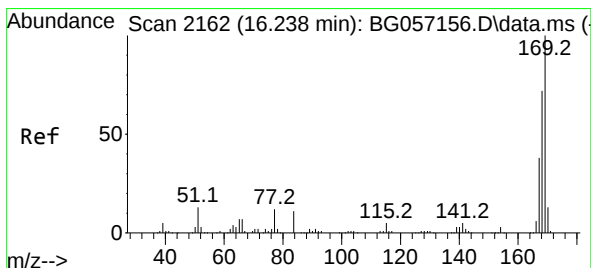
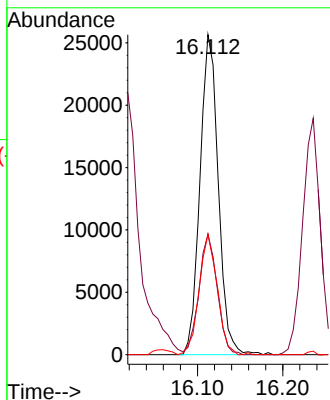
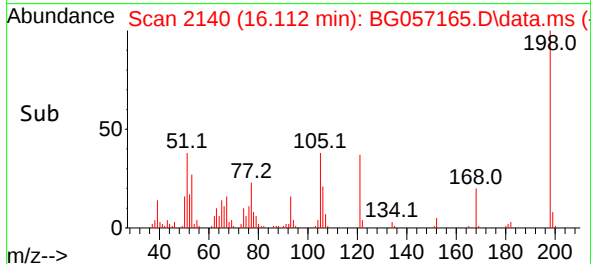
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



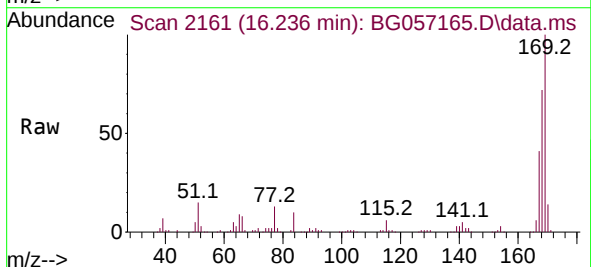
Tgt Ion:198 Resp: 3829  
Ion Ratio Lower Upper  
198 100  
51 37.7 13.1 53.1  
105 37.6 14.1 54.1

Manual Integrations  
APPROVED

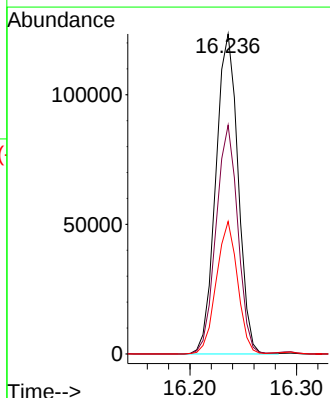
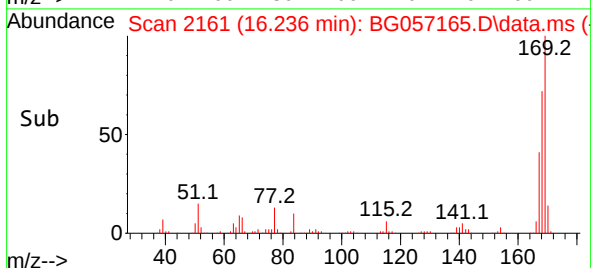
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

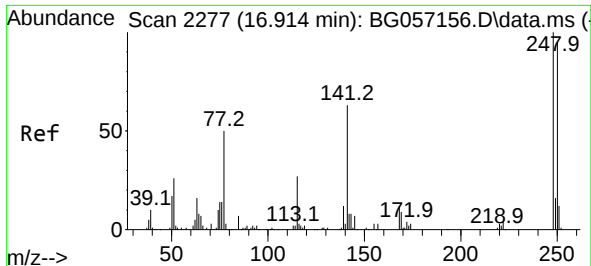


#66  
n-Nitrosodiphenylamine  
Concen: 45.989 ng  
RT: 16.236 min Scan# 2161  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



Tgt Ion:169 Resp: 178928  
Ion Ratio Lower Upper  
169 100  
168 71.5 57.8 86.6  
167 41.4 30.5 45.7





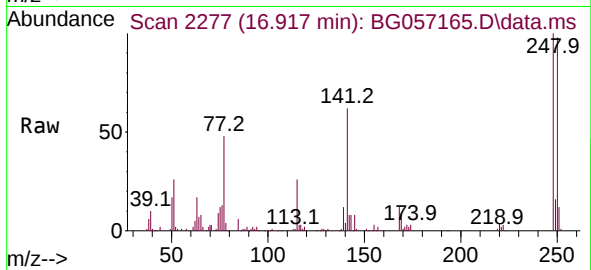
#67  
4-Bromophenyl-phenylether  
Concen: 43.376 ng  
RT: 16.917 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

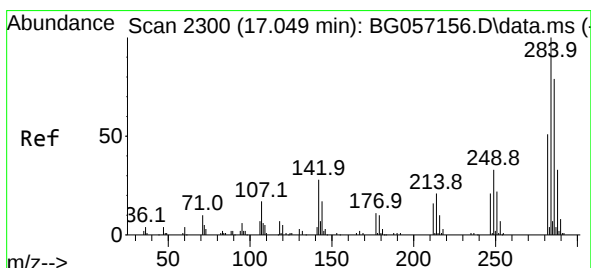
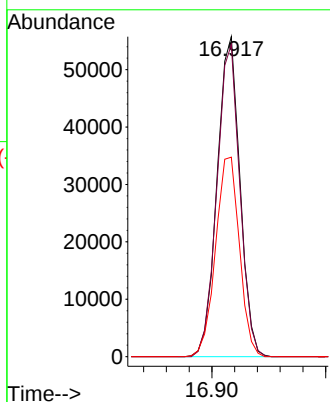
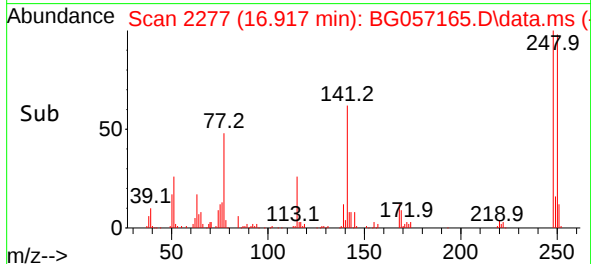


Tgt Ion:248 Resp: 77780  
Ion Ratio Lower Upper  
248 100  
250 97.5 75.8 113.8  
141 62.3 50.1 75.1

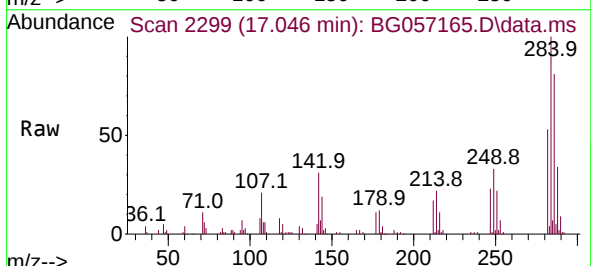
Manual Integrations

APPROVED

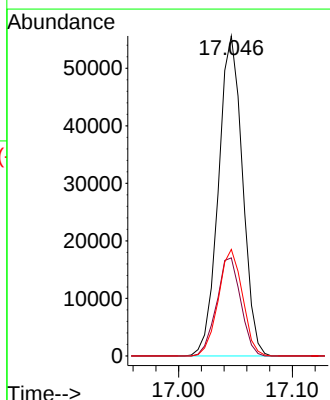
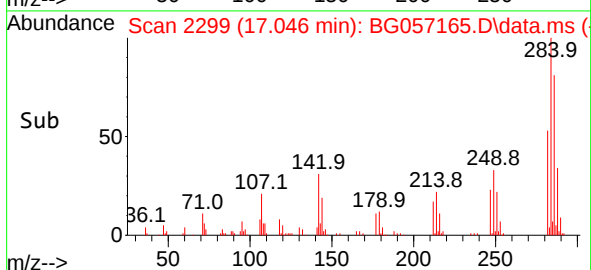
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

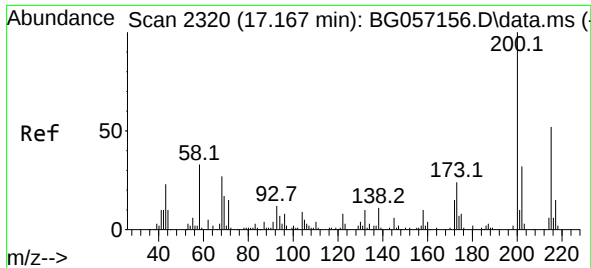


#68  
Hexachlorobenzene  
Concen: 44.407 ng  
RT: 17.046 min Scan# 2299  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



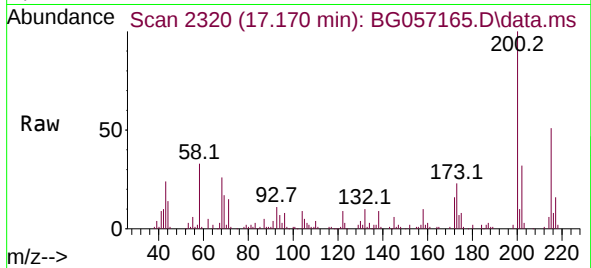
Tgt Ion:284 Resp: 81676  
Ion Ratio Lower Upper  
284 100  
142 30.7 22.6 33.8  
249 33.3 26.6 40.0





#69  
 Atrazine  
 Concen: 60.084 ng  
 RT: 17.170 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: BG057165.D  
 Acq: 25 Apr 2023 00:12

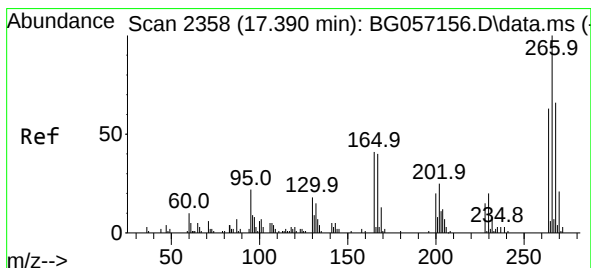
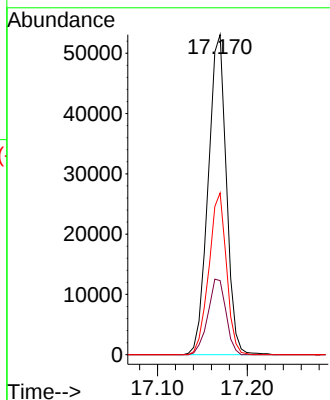
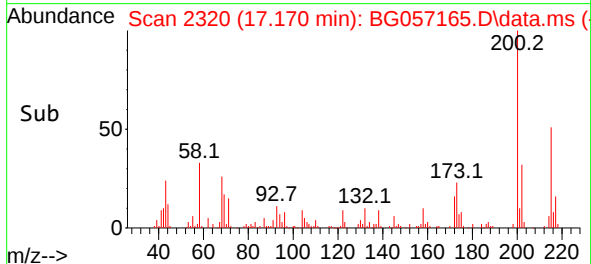
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB152297BS



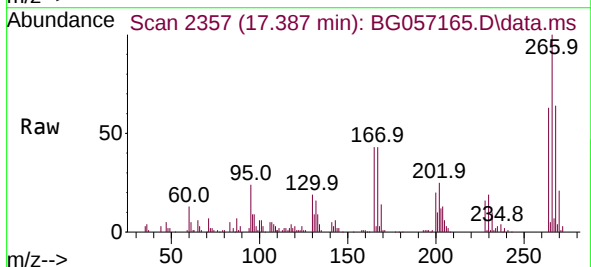
Tgt Ion:200 Resp: 74660  
 Ion Ratio Lower Upper  
 200 100  
 173 23.1 4.2 44.2  
 215 50.5 31.8 71.8

Manual Integrations  
 APPROVED

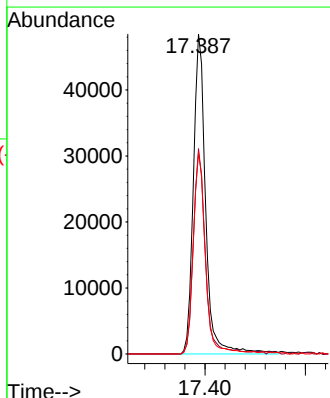
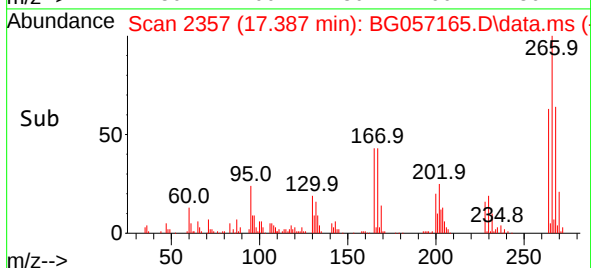
Reviewed By :Christian Giraldo 04/25/2023  
 Supervised By :Jagrut Upadhyay 04/25/2023

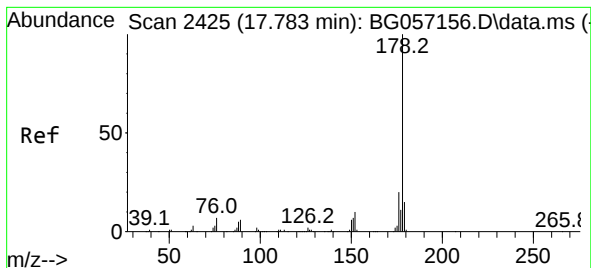


#70  
 Pentachlorophenol  
 Concen: 95.419 ng  
 RT: 17.387 min Scan# 2357  
 Delta R.T. -0.003 min  
 Lab File: BG057165.D  
 Acq: 25 Apr 2023 00:12



Tgt Ion:266 Resp: 82476  
 Ion Ratio Lower Upper  
 266 100  
 268 64.1 52.5 78.7  
 264 62.8 50.7 76.1





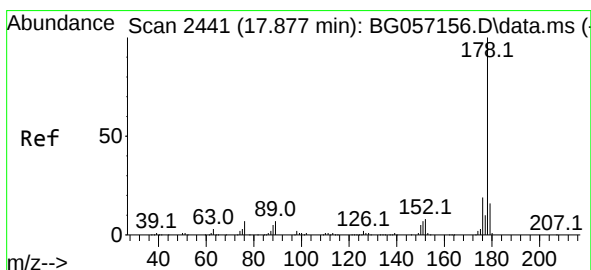
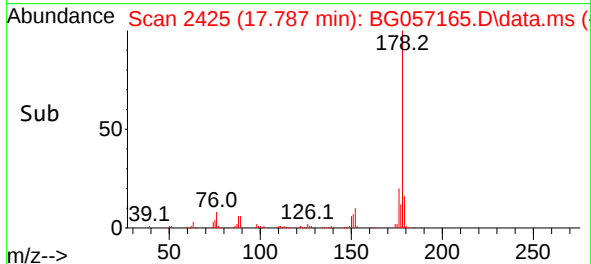
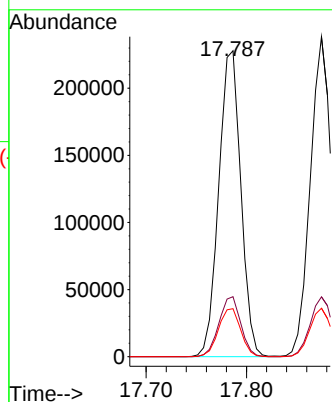
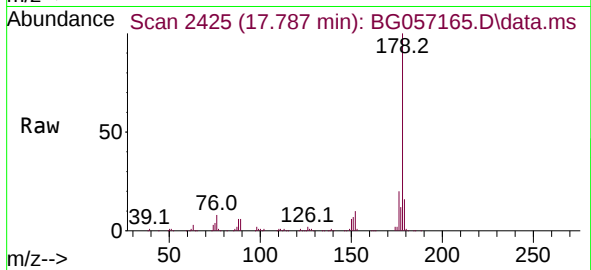
#71  
Phenanthrene  
Concen: 45.749 ng  
RT: 17.787 min Scan# 2425  
Delta R.T. 0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS

Tgt Ion:178 Resp: 348254  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.6 23.4  
179 15.7 12.4 18.6

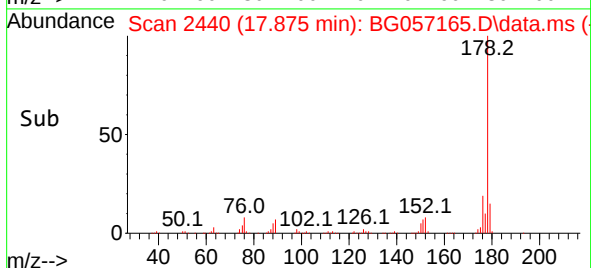
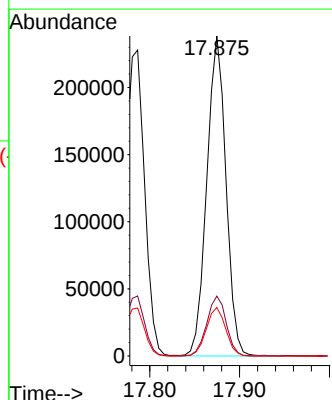
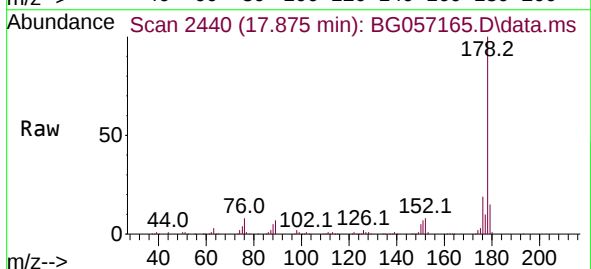
Manual Integrations  
APPROVED

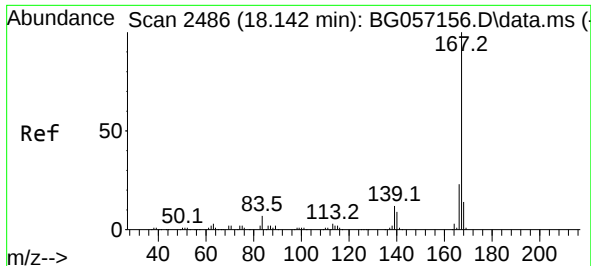
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#72  
Anthracene  
Concen: 45.835 ng  
RT: 17.875 min Scan# 2440  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

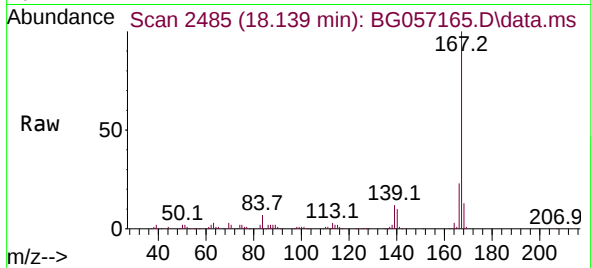
Tgt Ion:178 Resp: 352790  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.9 22.3  
179 15.1 12.5 18.7





#73  
Carbazole  
Concen: 47.990 ng  
RT: 18.139 min Scan# 2485  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

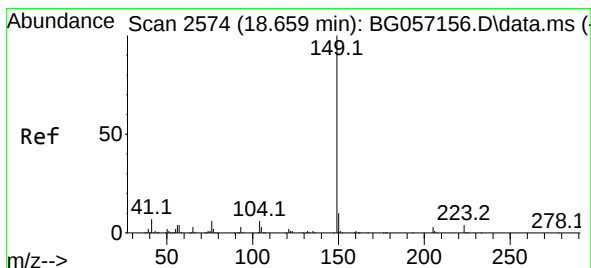
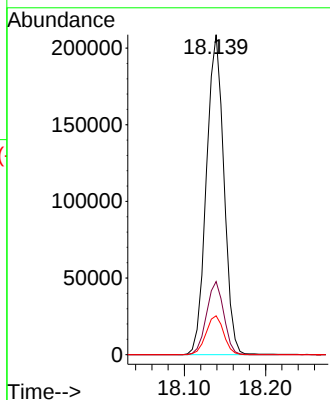
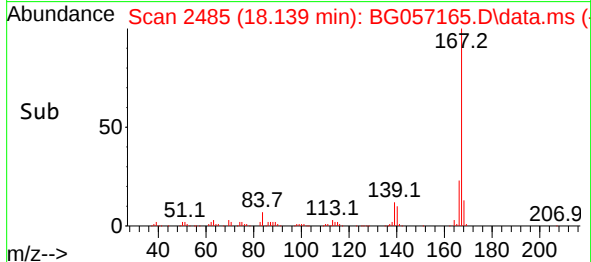
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



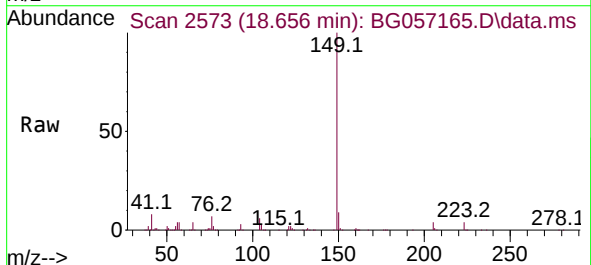
Tgt Ion:167 Resp: 311790  
Ion Ratio Lower Upper  
167 100  
166 22.9 18.3 27.5  
139 12.1 9.6 14.4

Manual Integrations  
APPROVED

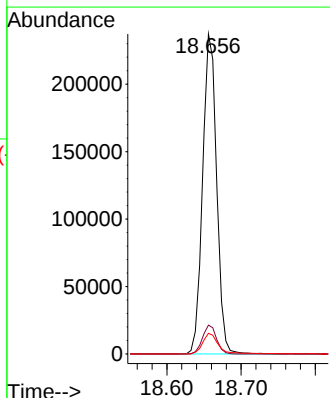
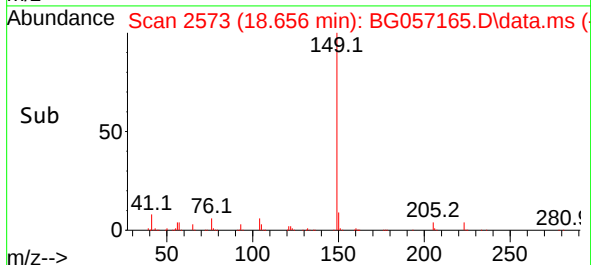
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

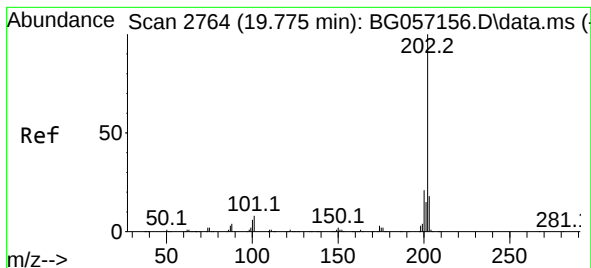


#74  
Di-n-butylphthalate  
Concen: 51.476 ng  
RT: 18.656 min Scan# 2573  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



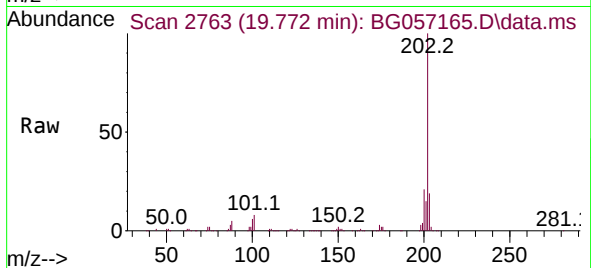
Tgt Ion:149 Resp: 311093  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.6 11.4  
104 6.4 4.7 7.1





#75  
Fluoranthene  
Concen: 45.916 ng  
RT: 19.772 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

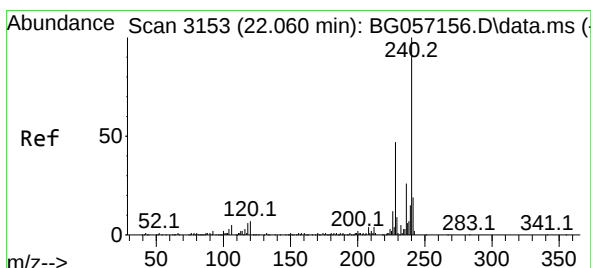
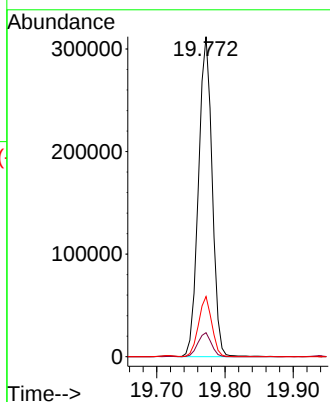
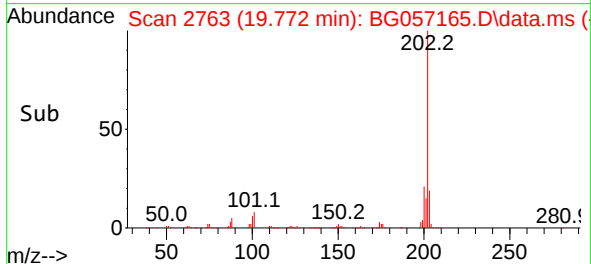
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



Tgt Ion:202 Resp: 43423  
Ion Ratio Lower Upper  
202 100  
101 7.5 0.0 27.6  
203 18.8 0.0 38.3

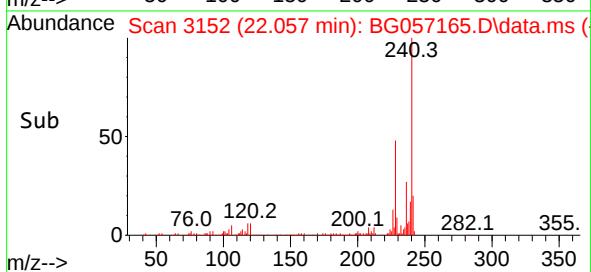
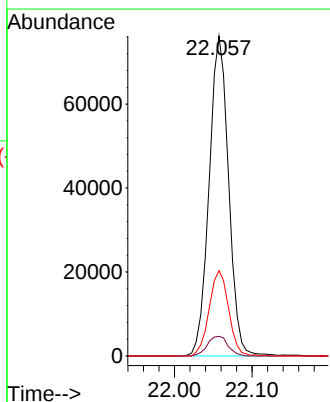
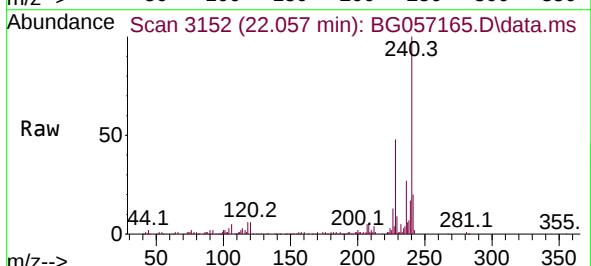
Manual Integrations  
APPROVED

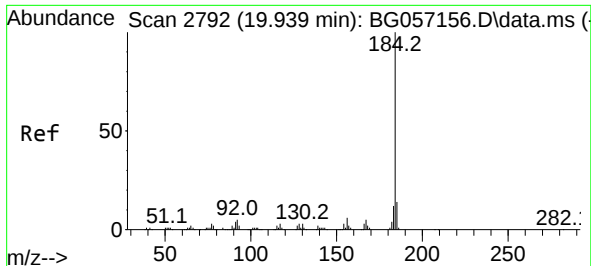
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.057 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:240 Resp: 132799  
Ion Ratio Lower Upper  
240 100  
120 6.2 5.5 8.3  
236 26.7 20.8 31.2





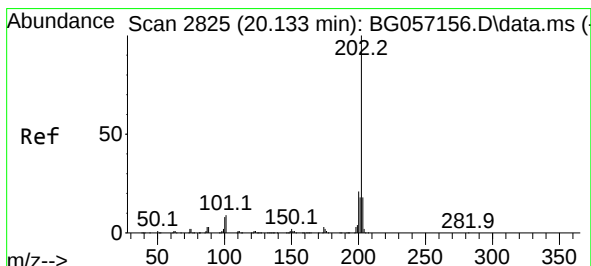
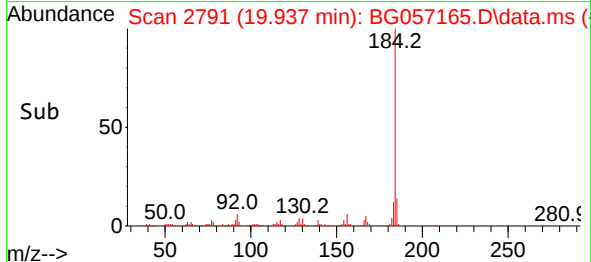
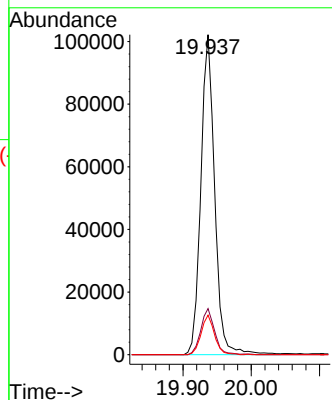
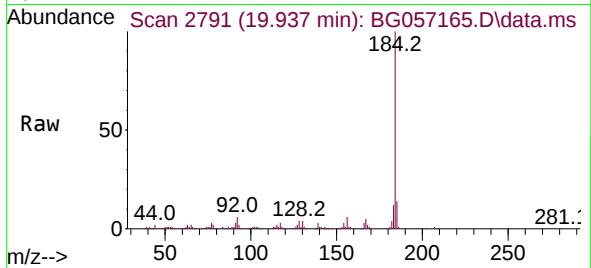
#77  
Benzidine  
Concen: 72.024 ng  
RT: 19.937 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS

Tgt Ion:184 Resp: 144128  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.3 16.9  
183 12.4 9.4 14.0

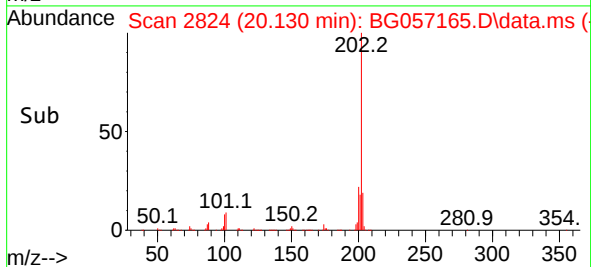
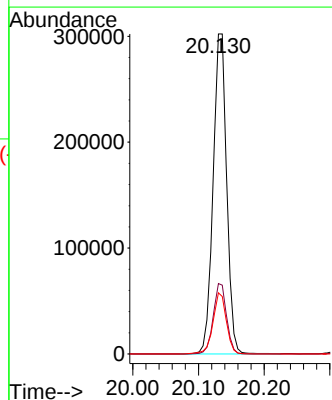
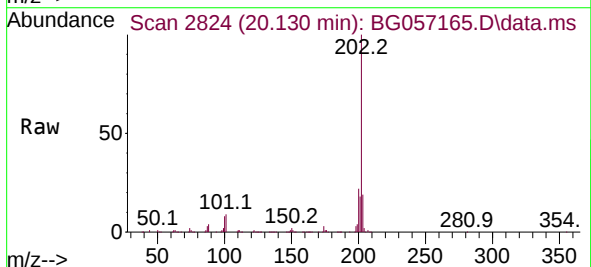
Manual Integrations  
APPROVED

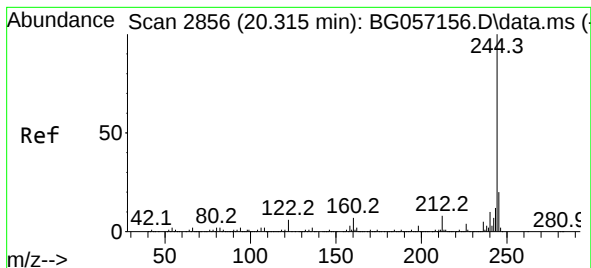
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#78  
Pyrene  
Concen: 48.155 ng  
RT: 20.130 min Scan# 2824  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:202 Resp: 434179  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.0 25.4  
203 19.1 14.7 22.1





#79

Terphenyl-d14

Concen: 98.142 ng

RT: 20.313 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057165.D

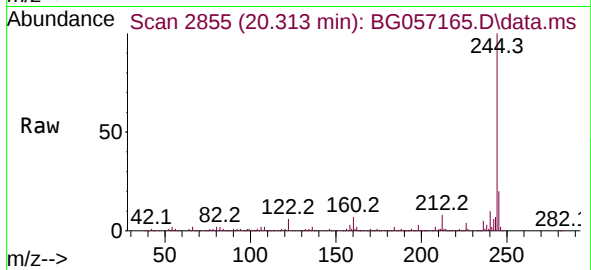
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS



Tgt Ion:244 Resp: 745129

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

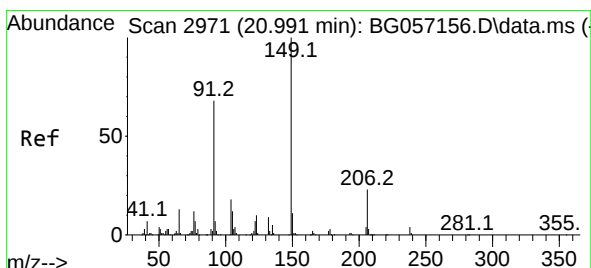
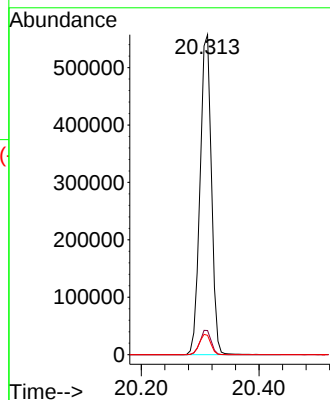
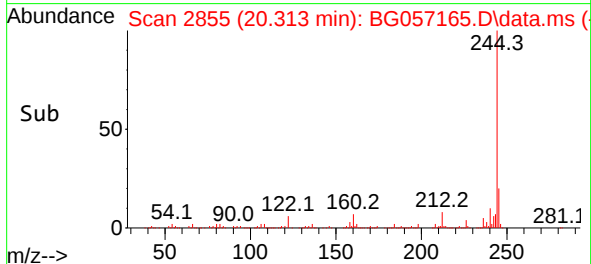
122 6.1 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#80

Butylbenzylphthalate

Concen: 50.765 ng

RT: 20.988 min Scan# 2970

Delta R.T. -0.003 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

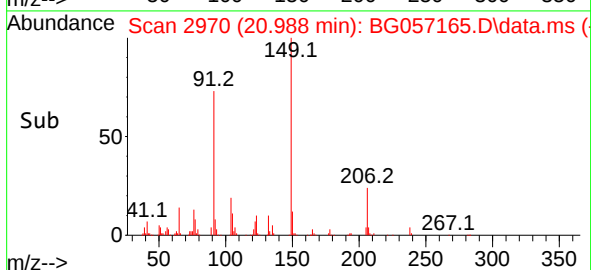
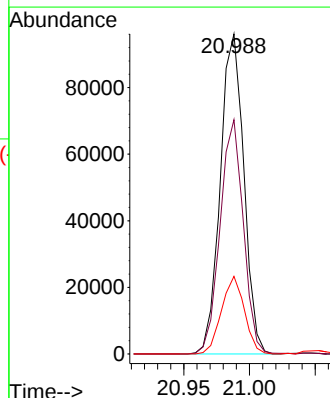
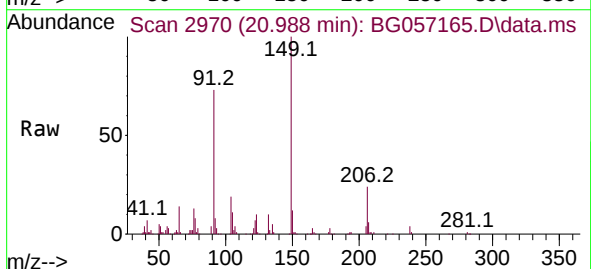
Tgt Ion:149 Resp: 119689

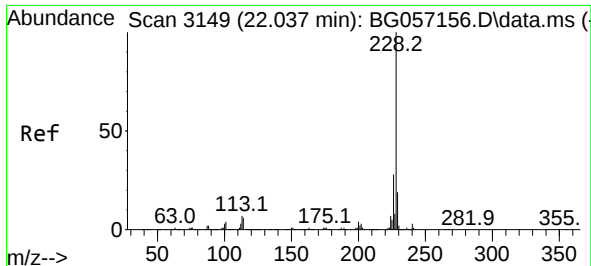
Ion Ratio Lower Upper

149 100

91 73.2 54.1 81.1

206 24.3 18.2 27.2





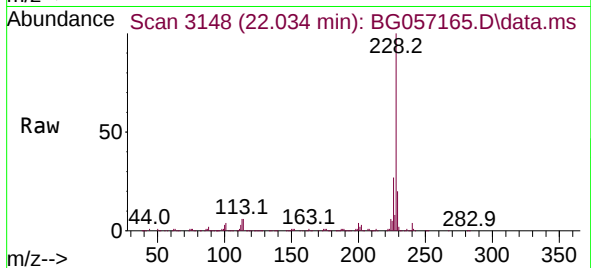
#81  
Benzo(a)anthracene  
Concen: 47.541 ng  
RT: 22.034 min Scan# 3149  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

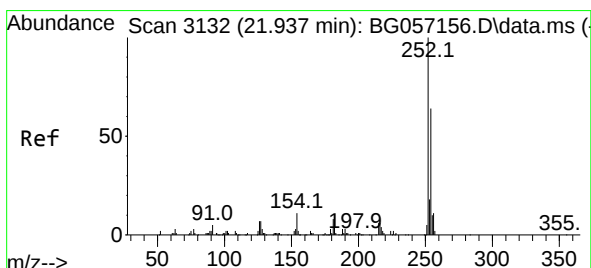
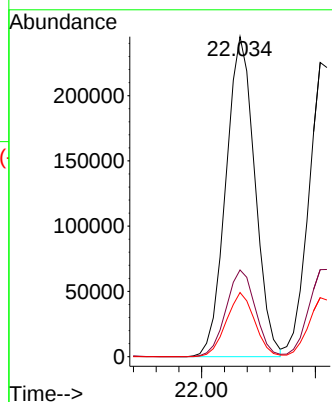
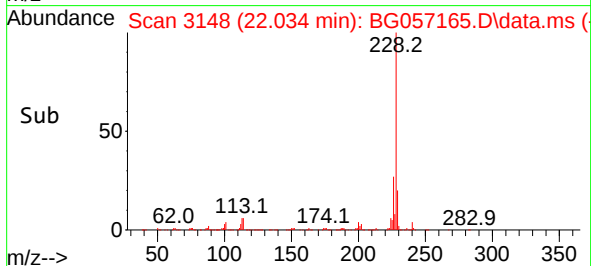


Tgt Ion:228 Resp: 434079  
Ion Ratio Lower Upper  
228 100  
226 27.1 22.2 33.4  
229 20.1 15.6 23.4

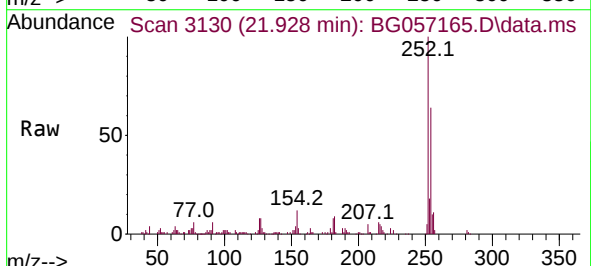
Manual Integrations

APPROVED

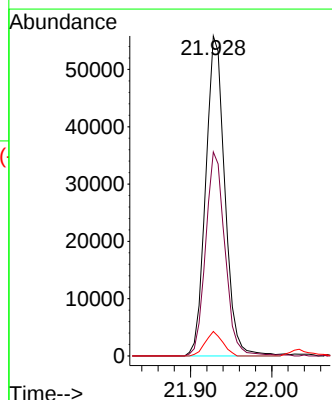
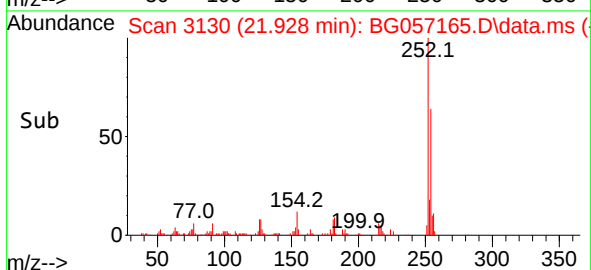
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

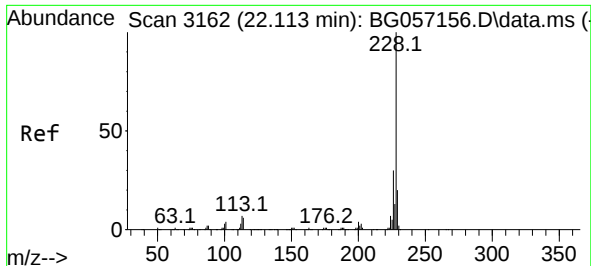


#82  
3,3'-Dichlorobenzidine  
Concen: 38.180 ng  
RT: 21.928 min Scan# 3130  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



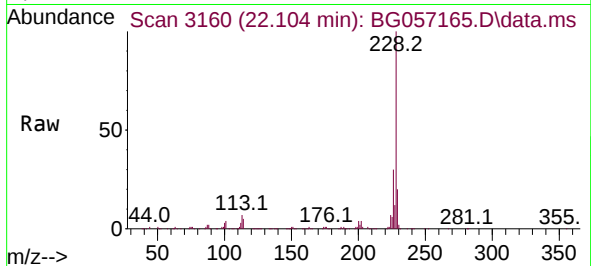
Tgt Ion:252 Resp: 91240  
Ion Ratio Lower Upper  
252 100  
254 63.7 50.9 76.3  
126 7.7 5.9 8.9





#83  
Chrysene  
Concen: 45.169 ng  
RT: 22.104 min Scan# 3160  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

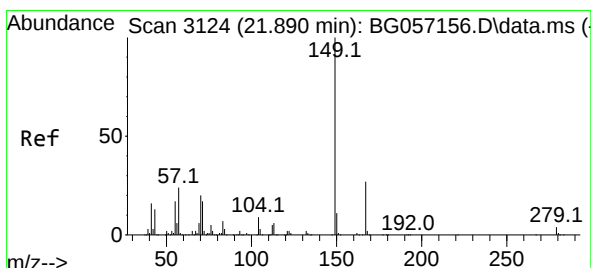
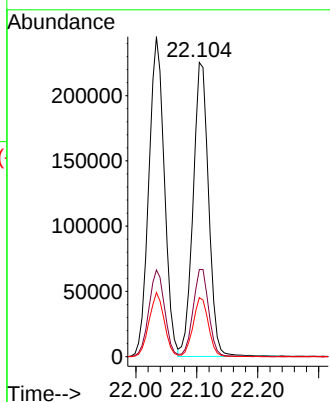
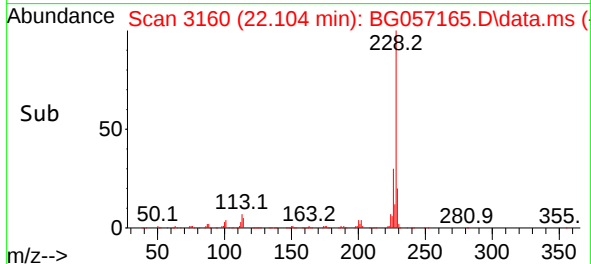
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



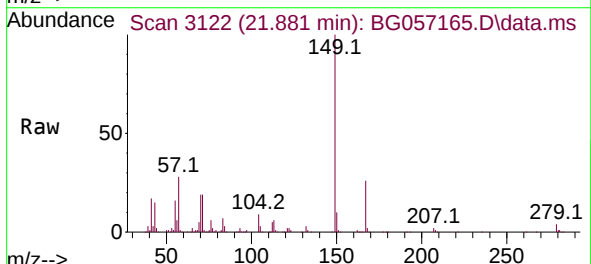
Tgt Ion:228 Resp: 397724  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.0 36.0  
229 20.1 15.8 23.6

Manual Integrations  
APPROVED

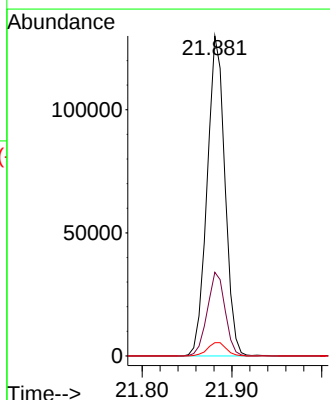
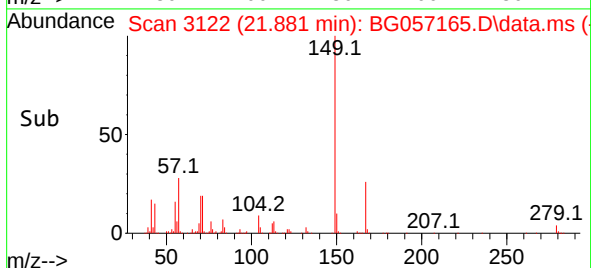
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023

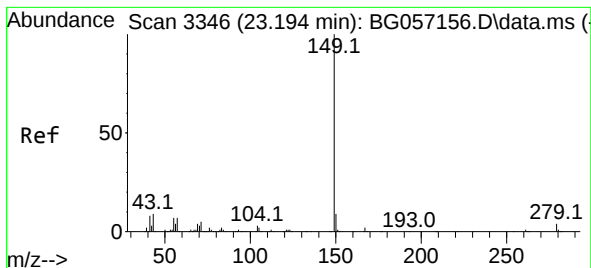


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 48.047 ng  
RT: 21.881 min Scan# 3122  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12



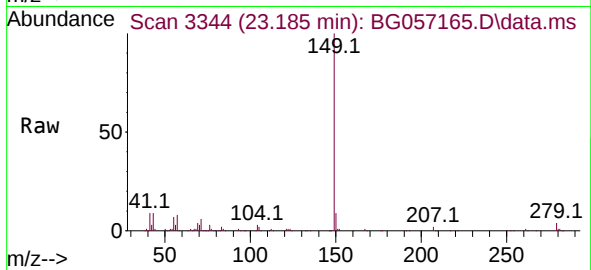
Tgt Ion:149 Resp: 178782  
Ion Ratio Lower Upper  
149 100  
167 26.1 21.9 32.9  
279 4.2 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 51.630 ng  
RT: 23.185 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

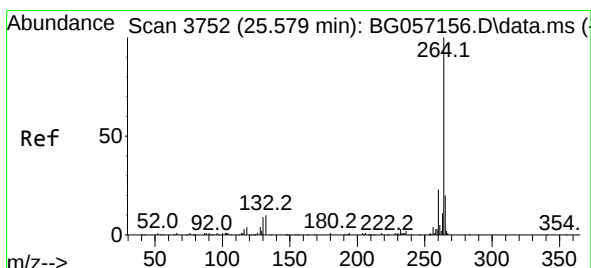
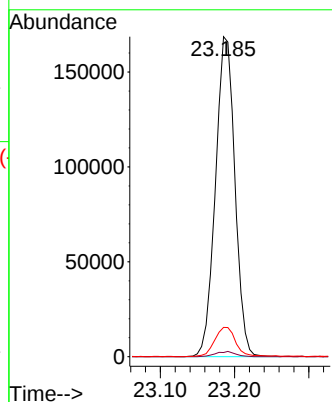
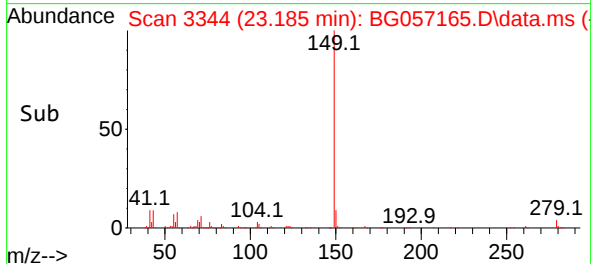
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



Tgt Ion:149 Resp: 307510  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 10.2 7.4 11.0

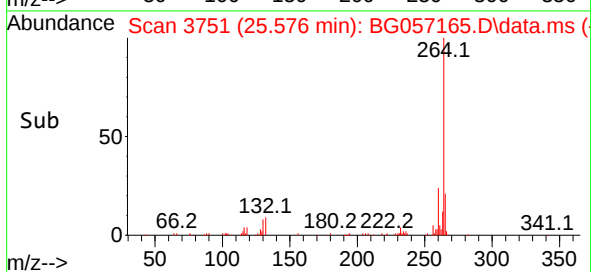
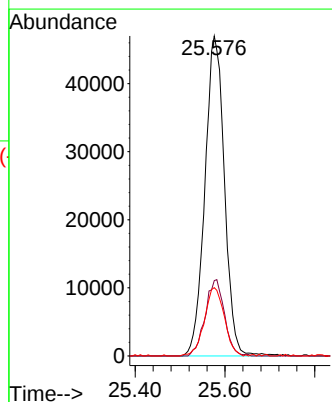
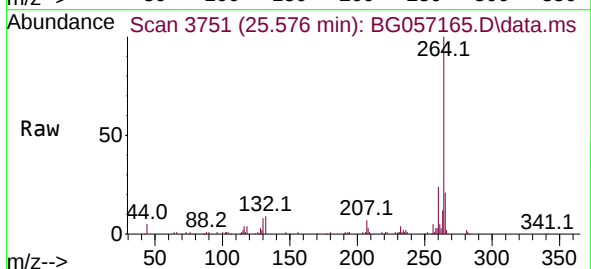
Manual Integrations  
APPROVED

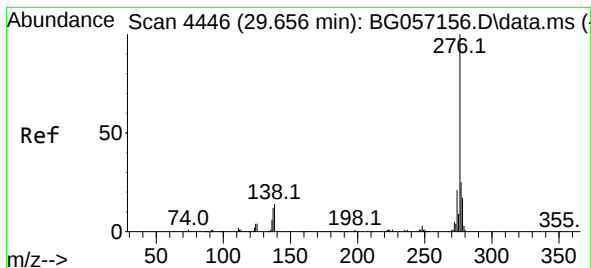
Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.576 min Scan# 3751  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:264 Resp: 141916  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.8 28.2  
265 21.4 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.618 ng

RT: 29.653 min Scan# 4445

Delta R.T. -0.003 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

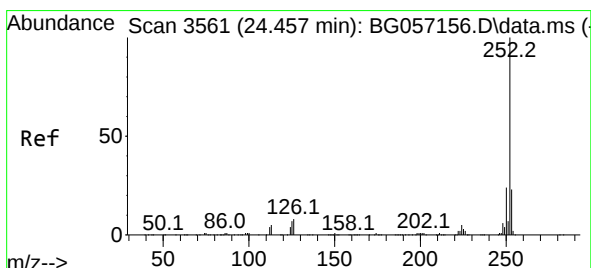
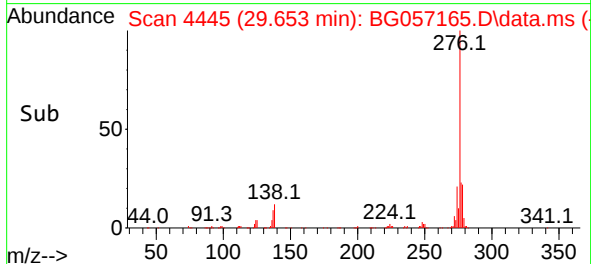
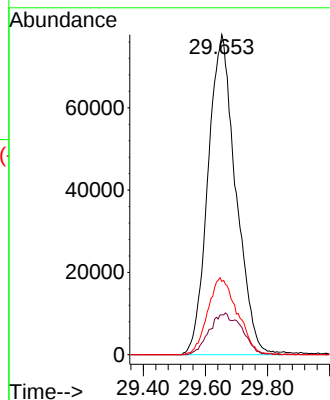
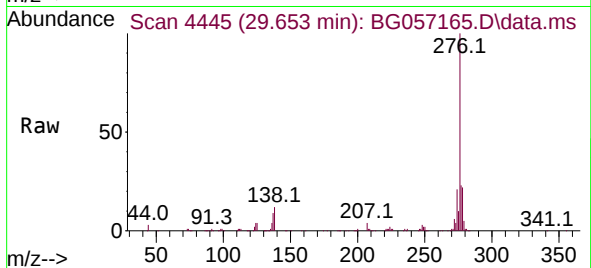
Tgt Ion:276 Resp: 48407  
 Ion Ratio Lower Upper  
 276 100  
 138 15.1 13.8 20.6  
 277 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#88

Benzo(b)fluoranthene

Concen: 49.187 ng

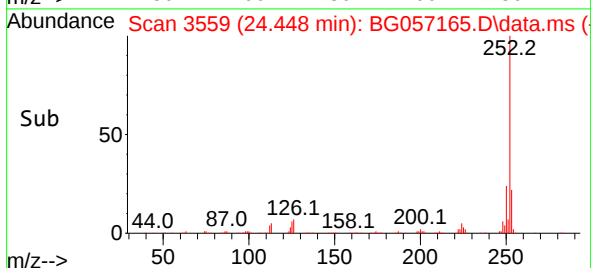
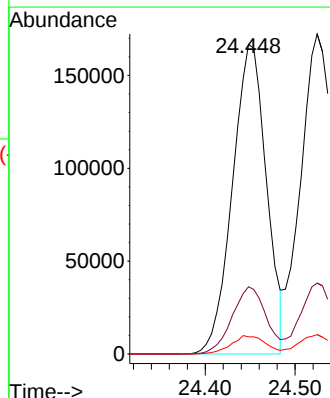
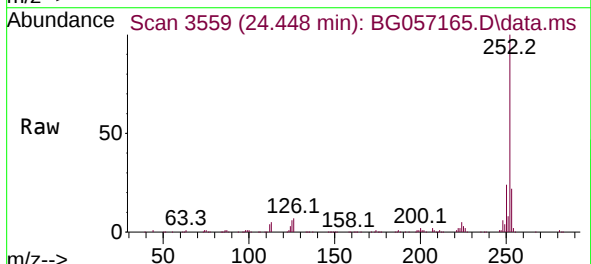
RT: 24.448 min Scan# 3559

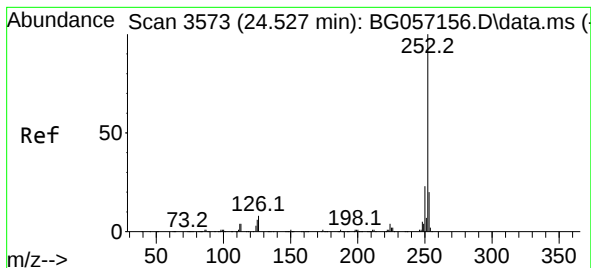
Delta R.T. -0.009 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

Tgt Ion:252 Resp: 437565  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 18.2 27.2  
 125 5.5 5.3 7.9





#89

Benzo(k)fluoranthene

Concen: 48.160 ng

RT: 24.524 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

PB152297BS

Tgt Ion:252 Resp: 44316

Ion Ratio Lower Upper

252 100

253 22.1 16.7 25.1

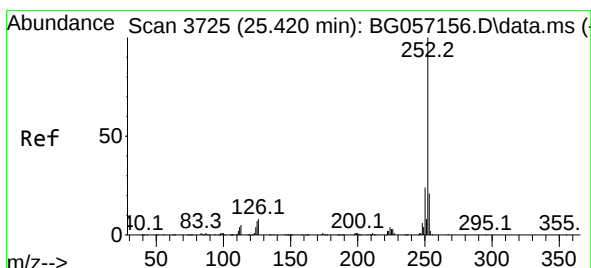
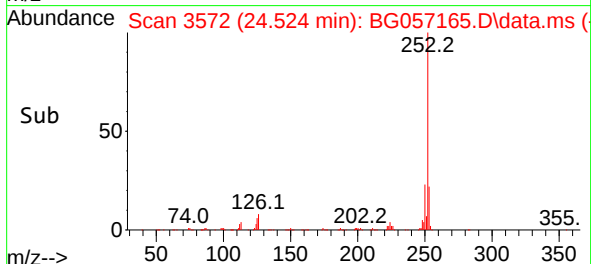
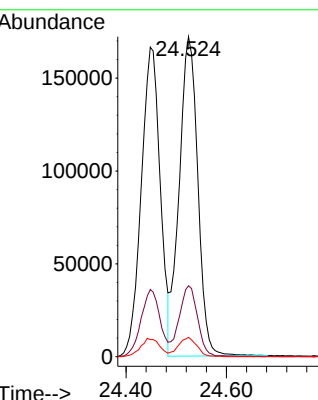
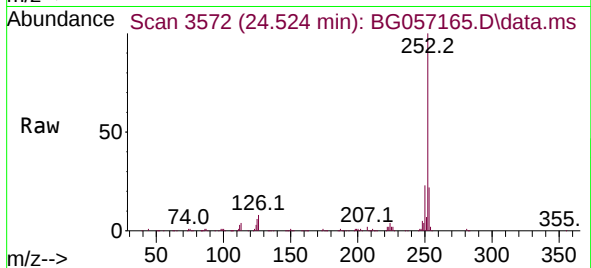
125 6.0 5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2023

Supervised By :Jagrut Upadhyay 04/25/2023



#90

Benzo(a)pyrene

Concen: 44.216 ng

RT: 25.411 min Scan# 3723

Delta R.T. -0.009 min

Lab File: BG057165.D

Acq: 25 Apr 2023 00:12

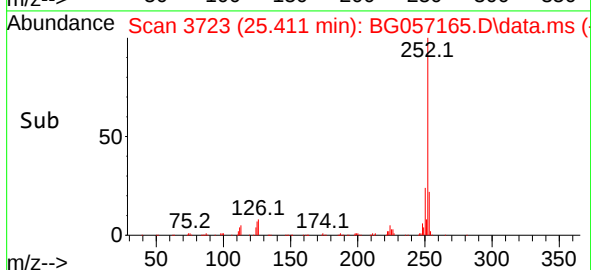
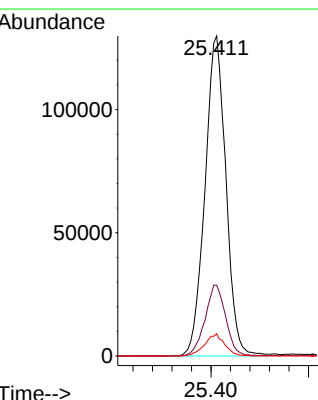
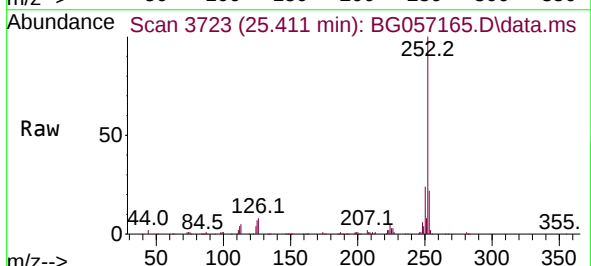
Tgt Ion:252 Resp: 387425

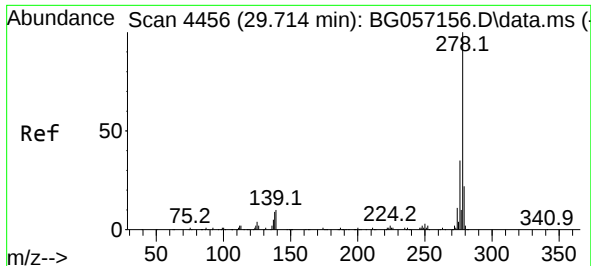
Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

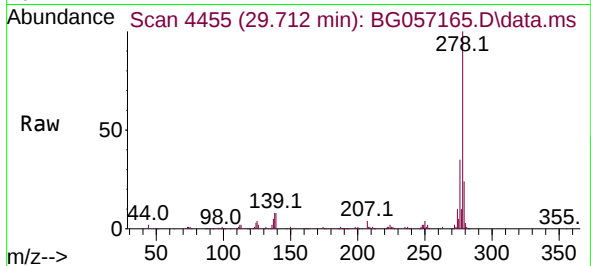
125 6.9 5.8 8.8





#91  
Dibenzo(a,h)anthracene  
Concen: 47.603 ng  
RT: 29.712 min Scan# 4455  
Delta R.T. -0.003 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

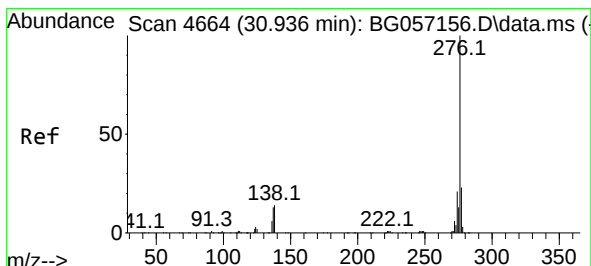
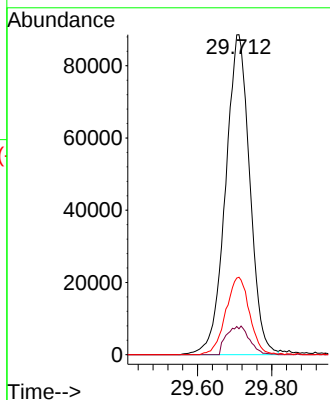
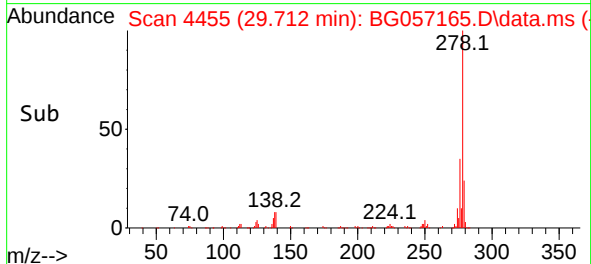
Instrument :  
BNA\_G  
ClientSampleId :  
PB152297BS



Tgt Ion:278 Resp: 40180  
Ion Ratio Lower Upper  
278 100  
139 8.1 7.9 11.9  
279 24.2 17.7 26.5

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 04/25/2023  
Supervised By :Jagrut Upadhyay 04/25/2023



#92  
Benzo(g,h,i)perylene  
Concen: 46.684 ng  
RT: 30.928 min Scan# 4662  
Delta R.T. -0.009 min  
Lab File: BG057165.D  
Acq: 25 Apr 2023 00:12

Tgt Ion:276 Resp: 389876  
Ion Ratio Lower Upper  
276 100  
277 24.3 18.5 27.7  
138 12.3 11.5 17.3

