

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060623\  
 Data File : BG057658.D  
 Acq On : 7 Jun 2023 5:57  
 Operator : CG/JU  
 Sample : PB153132BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB153132BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel  
 06/09/2023

Supervised By :mohammad  
 ahmed  
 06/13/2023

Quant Time: Jun 07 06:32:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG052723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 03:51:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.336  | 152  | 23240    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.174 | 136  | 104564   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.957 | 164  | 79985    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.694 | 188  | 201022   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.000 | 240  | 179515   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.490 | 264  | 194054   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.857  | 112  | 237421   | 177.484 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.491  | 99   | 340849   | 162.814 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.517  | 82   | 210817   | 94.247  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.443 | 330  | 164512   | 128.467 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.576 | 172  | 528837   | 95.018  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.261 | 244  | 1015615  | 98.001  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.643  | 88   | 20864    | 37.644  | ng    | 91       |
| 3) Pyridine                   | 4.066  | 79   | 61416    | 36.246  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.978  | 42   | 30276    | 44.161  | ng    | # 78     |
| 6) Aniline                    | 7.649  | 93   | 102613   | 40.517  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.902  | 128  | 84061    | 58.533  | ng    | 94       |
| 9) Benzaldehyde               | 7.461  | 77   | 45920    | 33.107  | ng    | 96       |
| 10) Phenol                    | 7.514  | 94   | 114061   | 57.565  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.737  | 93   | 77760    | 52.557  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 8.225  | 146  | 83667    | 54.684  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.372  | 146  | 85436    | 54.888  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.701  | 146  | 83119    | 54.746  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.577  | 79   | 83168    | 51.644  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.853  | 45   | 101762   | 55.391  | ng    | 95       |
| 17) 2-Methylphenol            | 8.783  | 107  | 78662    | 54.060  | ng    | 97       |
| 18) Hexachloroethane          | 9.429  | 117  | 31087    | 58.326  | ng    | 87       |
| 19) n-Nitroso-di-n-propyla... | 9.141  | 70   | 71575    | 49.212  | ng    | 96       |
| 20) 3+4-Methylphenols         | 9.112  | 107  | 107807   | 52.778  | ng    | 99       |
| 22) Acetophenone              | 9.171  | 105  | 131667   | 47.091  | ng    | # 95     |
| 24) Nitrobenzene              | 9.564  | 77   | 102923   | 45.329  | ng    | 93       |
| 25) Isophorone                | 10.081 | 82   | 195196   | 44.397  | ng    | 96       |
| 26) 2-Nitrophenol             | 10.281 | 139  | 47450    | 48.740  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.322 | 122  | 87391    | 51.921  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.551 | 93   | 113166   | 49.638  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.827 | 162  | 91111    | 51.539  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 11.033 | 180  | 93182    | 48.365  | ng    | 98       |
| 31) Naphthalene               | 11.227 | 128  | 260005   | 47.006  | ng    | 98       |
| 32) Benzoic acid              | 10.492 | 122  | 34994    | 37.366  | ng    | 90       |
| 33) 4-Chloroaniline           | 11.332 | 127  | 73357    | 28.839  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.491 | 225  | 62502    | 46.902  | ng    | 97       |
| 35) Caprolactam               | 12.108 | 113  | 32062m   | 43.750  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.437 | 107  | 102016   | 48.753  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.801 | 142  | 195010   | 44.920  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 13.024 | 142  | 181424   | 43.792  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.171 | 216  | 124302   | 47.347  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.136 | 237  | 65561    | 90.745  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.406 | 196  | 79063    | 47.835  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060623\  
 Data File : BG057658.D  
 Acq On : 7 Jun 2023 5:57  
 Operator : CG/JU  
 Sample : PB153132BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB153132BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh

Patel

06/09/2023

Supervised By :mohammad

ahmed

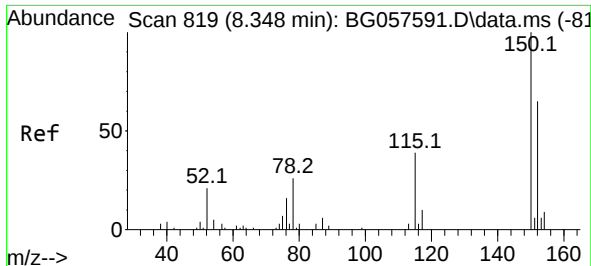
06/13/2023

Quant Time: Jun 07 06:32:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG052723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 03:51:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.494 | 196  | 85511    | 43.439 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.794 | 154  | 276746   | 48.411 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.847 | 162  | 208909   | 48.517 | ng    | 96       |
| 48) 2-Nitroaniline            | 14.046 | 65   | 68703    | 45.550 | ng    | 99       |
| 49) Acenaphthylene            | 14.681 | 152  | 338256   | 46.391 | ng    | 99       |
| 50) Dimethylphthalate         | 14.393 | 163  | 287947   | 43.680 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.528 | 165  | 65563    | 46.460 | ng    | 96       |
| 52) Acenaphthene              | 15.022 | 154  | 207751   | 46.564 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.863 | 138  | 47715    | 32.418 | ng    | # 91     |
| 54) 2,4-Dinitrophenol         | 15.086 | 184  | 62528    | 74.092 | ng    | 96       |
| 55) Dibenzofuran              | 15.350 | 168  | 346147   | 45.405 | ng    | 98       |
| 56) 4-Nitrophenol             | 15.180 | 139  | 80492    | 82.078 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 15.321 | 165  | 94977    | 44.951 | ng    | 99       |
| 58) Fluorene                  | 15.997 | 166  | 288799   | 44.867 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.580 | 232  | 80243    | 43.511 | ng    | # 97     |
| 60) Diethylphthalate          | 15.738 | 149  | 300722   | 43.705 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.973 | 204  | 160042   | 44.614 | ng    | 99       |
| 62) 4-Nitroaniline            | 16.026 | 138  | 67007    | 42.203 | ng    | 92       |
| 63) Azobenzene                | 16.267 | 77   | 280387   | 45.821 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 16.091 | 198  | 57103    | 46.653 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 16.191 | 169  | 258586   | 49.492 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.866 | 248  | 108356   | 48.053 | ng    | 99       |
| 68) Hexachlorobenzene         | 17.001 | 284  | 116264   | 50.019 | ng    | 98       |
| 69) Atrazine                  | 17.125 | 200  | 113497   | 50.596 | ng    | 99       |
| 70) Pentachlorophenol         | 17.354 | 266  | 83909    | 70.848 | ng    | 99       |
| 71) Phenanthrene              | 17.741 | 178  | 484994   | 47.146 | ng    | 99       |
| 72) Anthracene                | 17.829 | 178  | 491839   | 46.606 | ng    | 99       |
| 73) Carbazole                 | 18.100 | 167  | 448751   | 47.534 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.611 | 149  | 522653   | 46.635 | ng    | 99       |
| 75) Fluoranthene              | 19.727 | 202  | 598602   | 44.823 | ng    | 98       |
| 77) Benzidine                 | 19.891 | 184  | 275471   | 50.711 | ng    | 99       |
| 78) Pyrene                    | 20.091 | 202  | 601441   | 47.054 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.937 | 149  | 232164   | 49.873 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.983 | 228  | 595322   | 47.801 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.877 | 252  | 166480   | 36.249 | ng    | 98       |
| 83) Chrysene                  | 22.053 | 228  | 541200   | 45.984 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.818 | 149  | 332264   | 50.038 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 23.105 | 149  | 562811   | 51.135 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.543 | 276  | 669439   | 49.480 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.374 | 252  | 600114   | 50.241 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 24.450 | 252  | 590758   | 49.006 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.325 | 252  | 529785   | 45.481 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.590 | 278  | 557631   | 49.524 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.806 | 276  | 541777   | 49.336 | ng    | 98       |

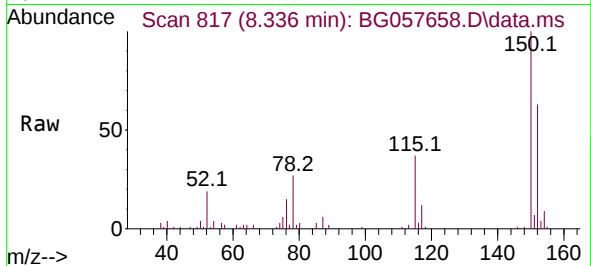
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.336 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

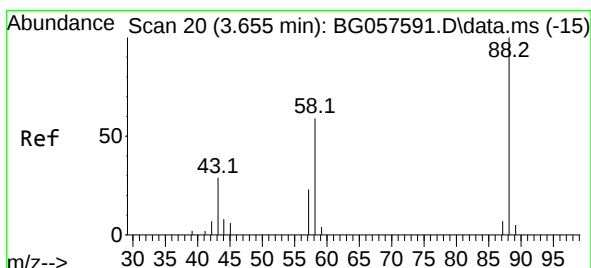
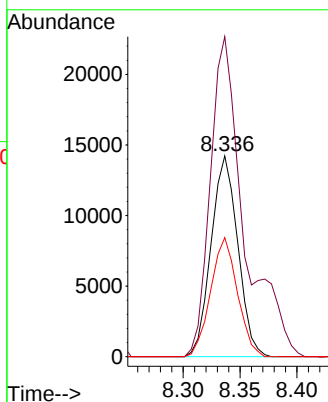
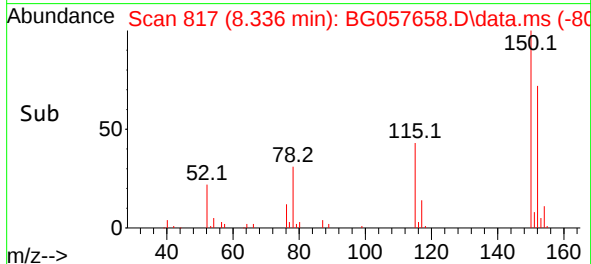


Tgt Ion:152 Resp: 23240  
Ion Ratio Lower Upper  
152 100  
150 159.4 123.0 184.4  
115 59.2 47.4 71.2

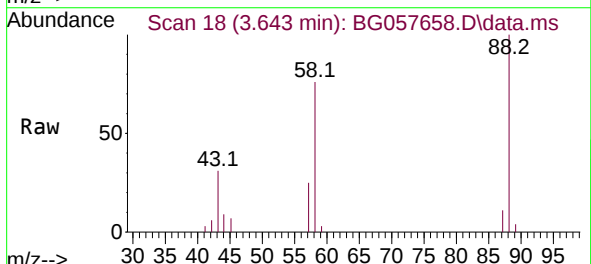
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel  
06/09/2023

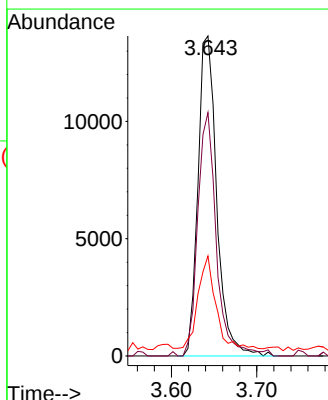
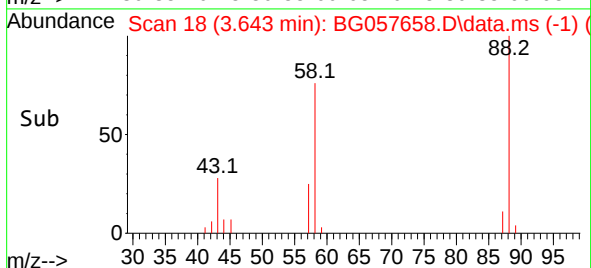
Supervised By :mohammad  
ahmed  
06/13/2023

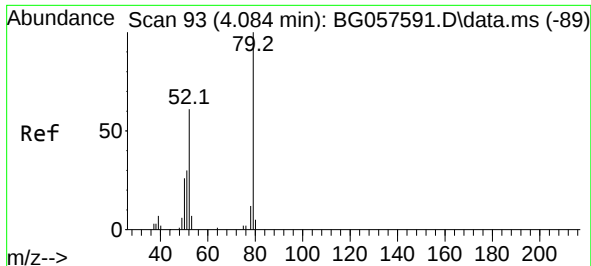


#2  
1,4-Dioxane  
Concen: 37.644 ng  
RT: 3.643 min Scan# 18  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion: 88 Resp: 20864  
Ion Ratio Lower Upper  
88 100  
58 75.8 52.6 79.0  
43 27.6 22.1 33.1





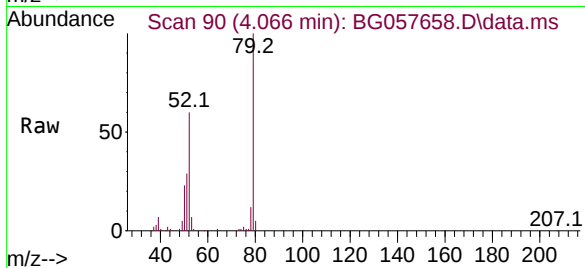
#3  
Pyridine  
Concen: 36.246 ng  
RT: 4.066 min Scan# 90  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion: 79 Resp: 61410  
Ion Ratio Lower Upper  
79 100  
52 59.7 48.4 72.6  
51 29.3 24.4 36.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh

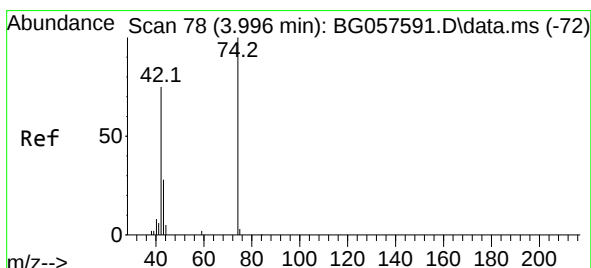
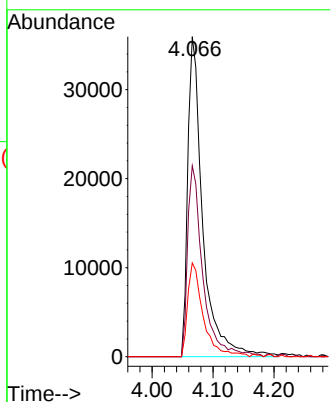
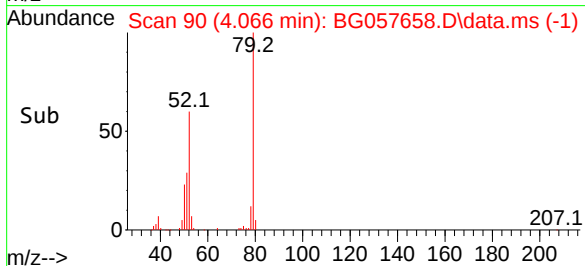
Patel

06/09/2023

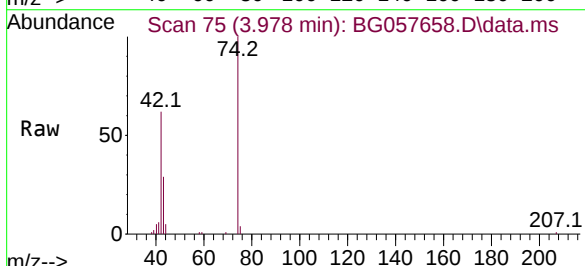
Supervised By :mohammad

ahmed

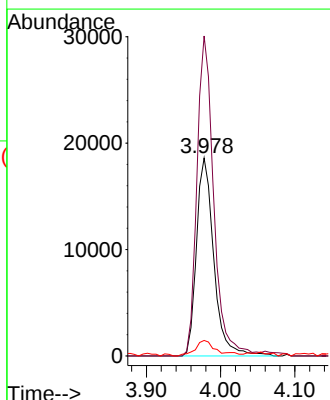
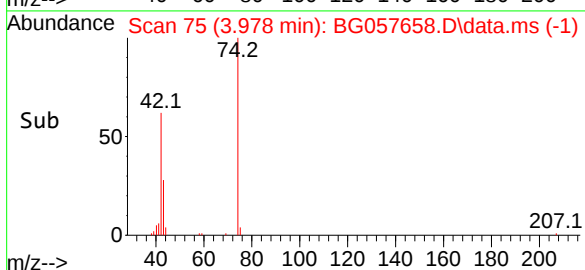
06/13/2023

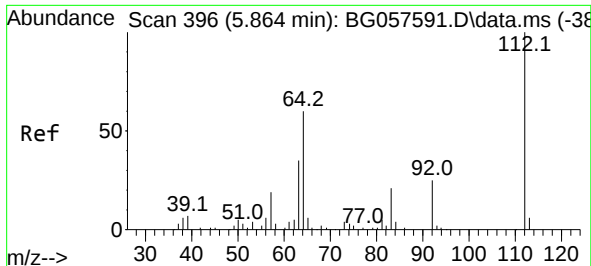


#4  
n-Nitrosodimethylamine  
Concen: 44.161 ng  
RT: 3.978 min Scan# 75  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion: 42 Resp: 30276  
Ion Ratio Lower Upper  
42 100  
74 161.7 107.3 160.9#  
44 7.8 6.1 9.1





#5  
2-Fluorophenol  
Concen: 177.484 ng  
RT: 5.857 min Scan# 396  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:112 Resp: 23742  
Ion Ratio Lower Upper  
112 100  
64 61.8 47.8 71.6  
63 32.3 27.8 41.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh

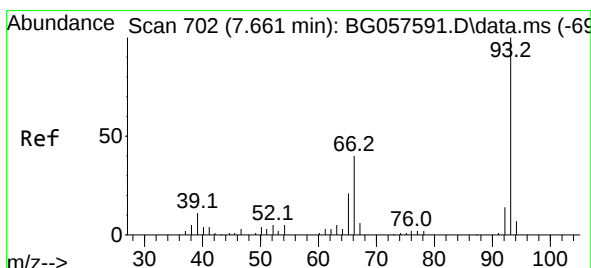
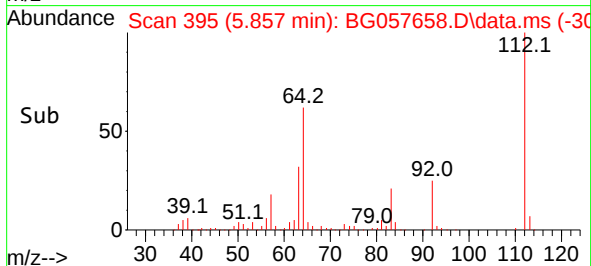
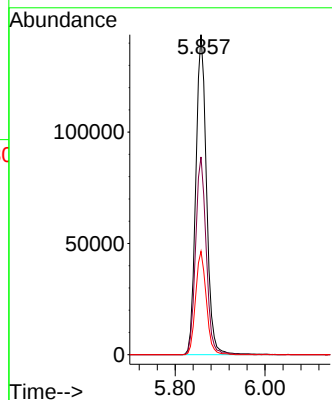
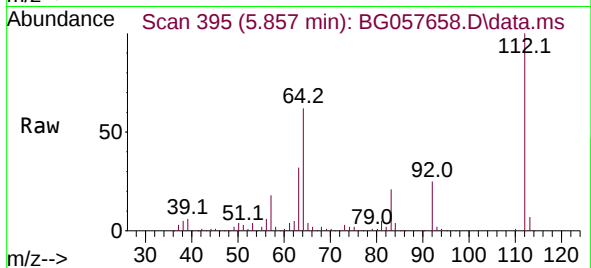
Patel

06/09/2023

Supervised By :mohammad

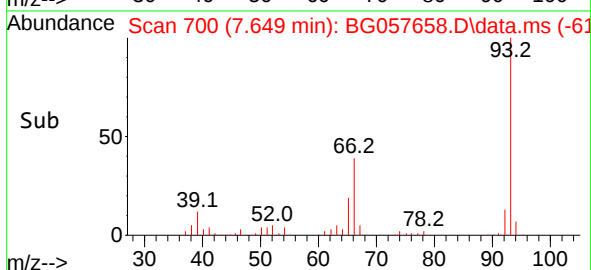
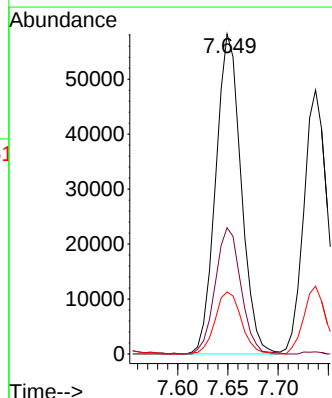
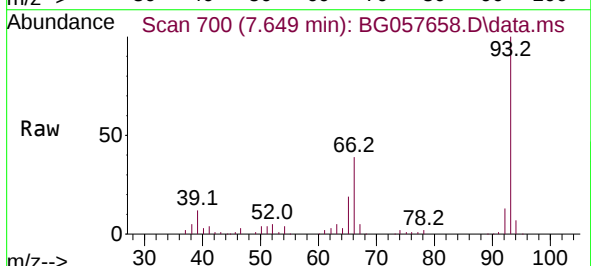
ahmed

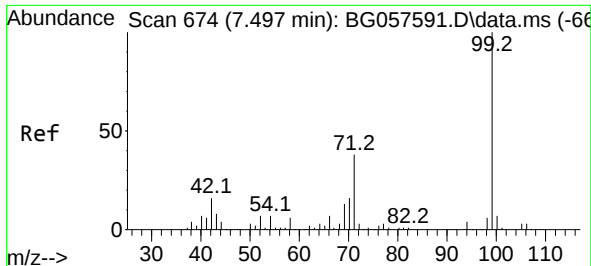
06/13/2023



#6  
Aniline  
Concen: 40.517 ng  
RT: 7.649 min Scan# 700  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

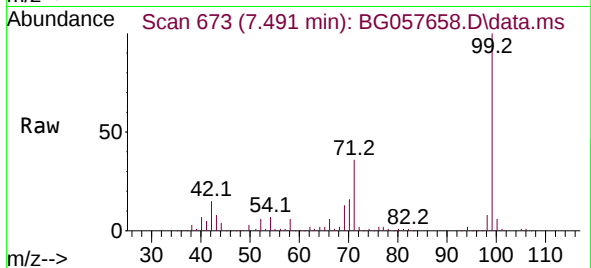
Tgt Ion: 93 Resp: 102613  
Ion Ratio Lower Upper  
93 100  
66 39.5 32.2 48.4  
65 19.3 16.7 25.1





#7  
Phenol-d6  
Concen: 162.814 ng  
RT: 7.491 min Scan# 611  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

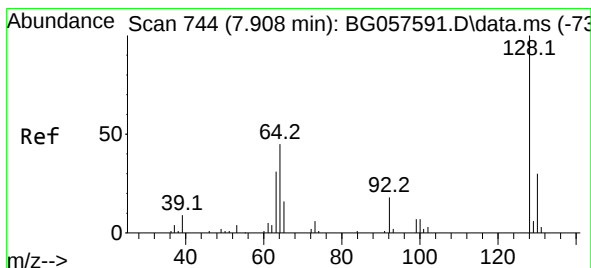
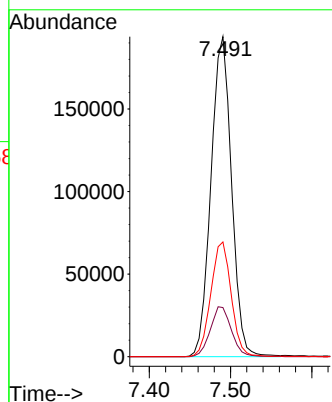


Tgt Ion: 99 Resp: 340849  
Ion Ratio Lower Upper  
99 100  
42 15.4 12.8 19.2  
71 35.8 30.3 45.5

Manual Integrations  
APPROVED

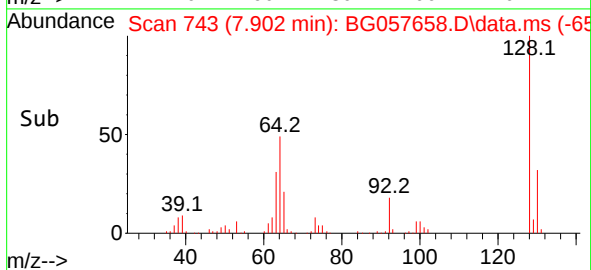
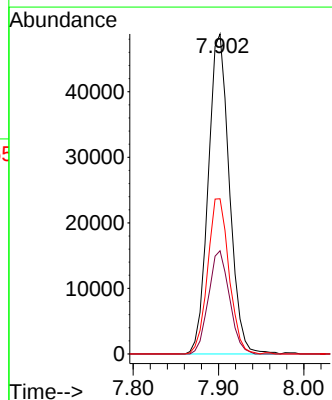
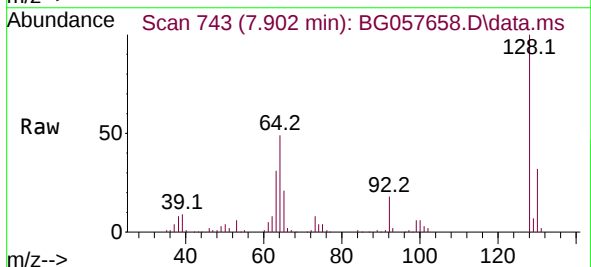
Reviewed By :Yogesh  
Patel  
06/09/2023

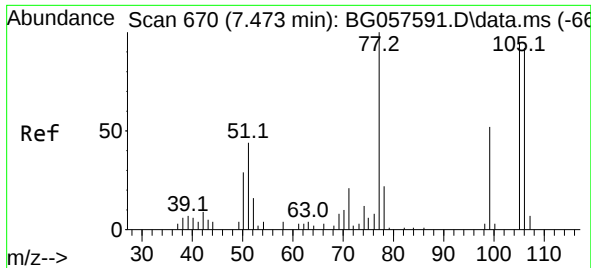
Supervised By :mohammad  
ahmed  
06/13/2023



#8  
2-Chlorophenol  
Concen: 58.533 ng  
RT: 7.902 min Scan# 743  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:128 Resp: 84061  
Ion Ratio Lower Upper  
128 100  
130 32.3 10.5 50.5  
64 48.5 33.8 73.8





#9  
Benzaldehyde  
Concen: 33.107 ng  
RT: 7.461 min Scan# 609  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion: 77 Resp: 45920  
Ion Ratio Lower Upper  
77 100  
105 93.9 75.0 115.0  
106 86.4 72.5 112.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh

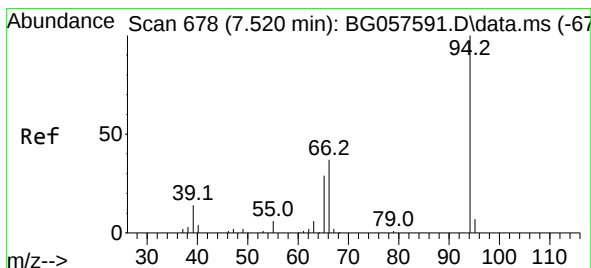
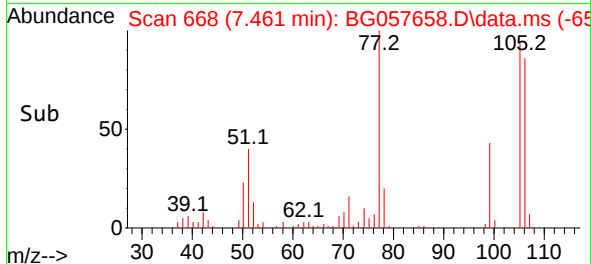
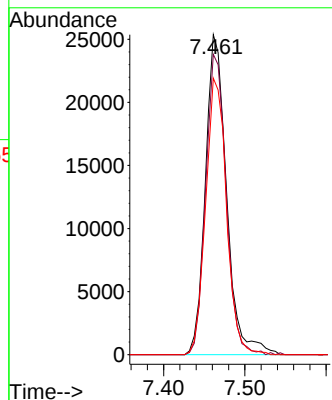
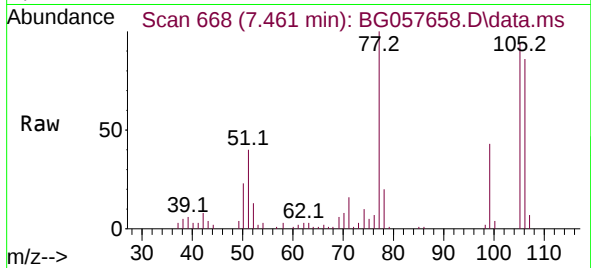
Patel

06/09/2023

Supervised By :mohammad

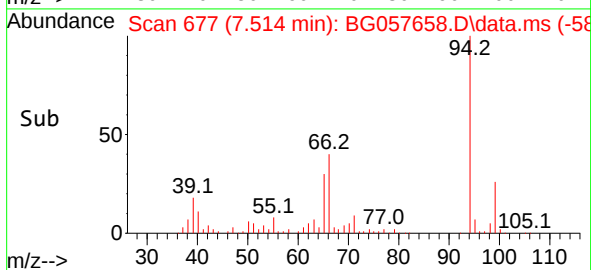
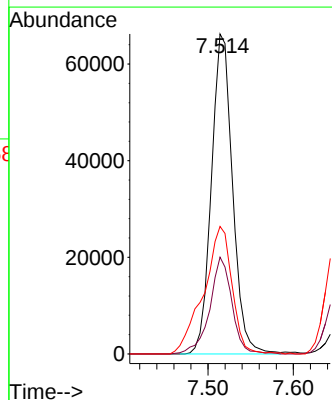
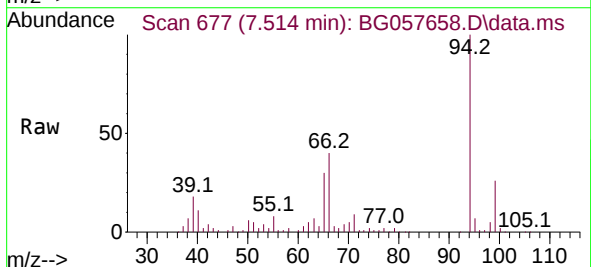
ahmed

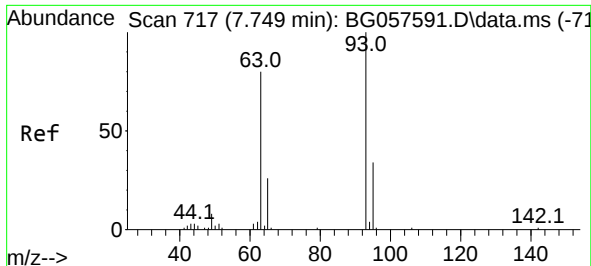
06/13/2023



#10  
Phenol  
Concen: 57.565 ng  
RT: 7.514 min Scan# 677  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion: 94 Resp: 114061  
Ion Ratio Lower Upper  
94 100  
65 30.3 9.6 49.6  
66 39.9 22.0 62.0





#11  
bis(2-Chloroethyl)ether  
Concen: 52.557 ng  
RT: 7.737 min Scan# 715  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

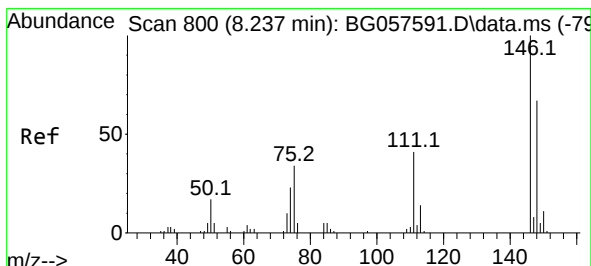
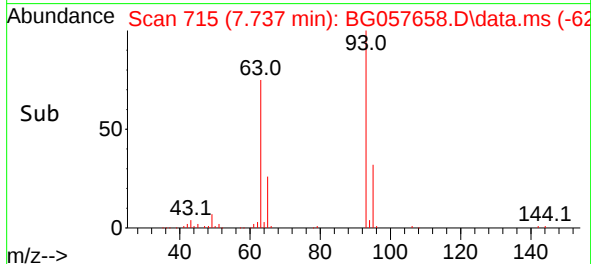
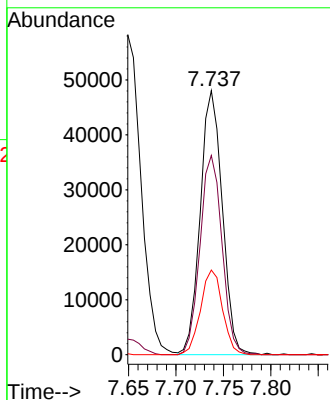
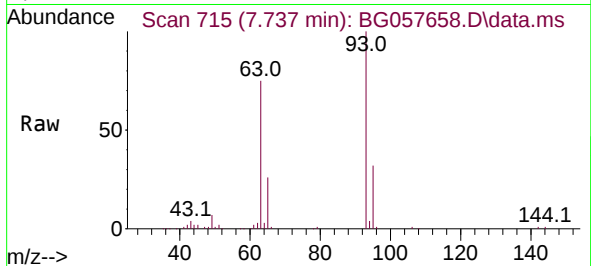
PB153132BS

Tgt Ion: 93 Resp: 77760  
Ion Ratio Lower Upper  
93 100  
63 75.5 59.3 99.3  
95 32.0 14.1 54.1

Manual Integrations  
APPROVED

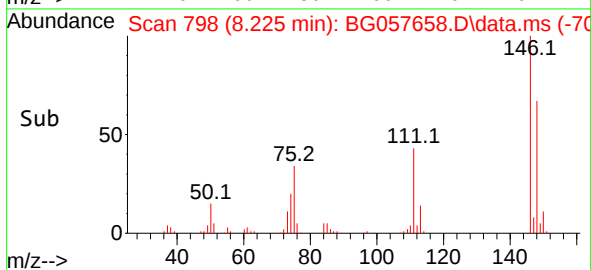
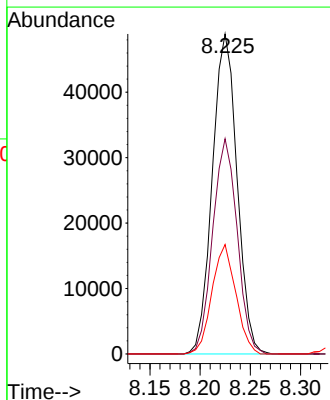
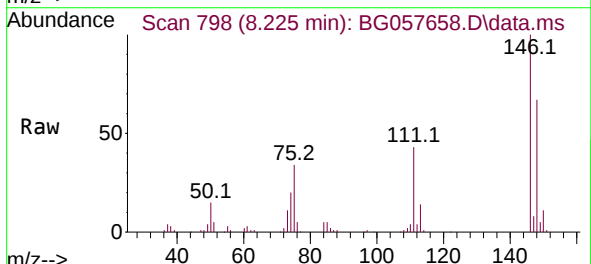
Reviewed By :Yogesh  
Patel  
06/09/2023

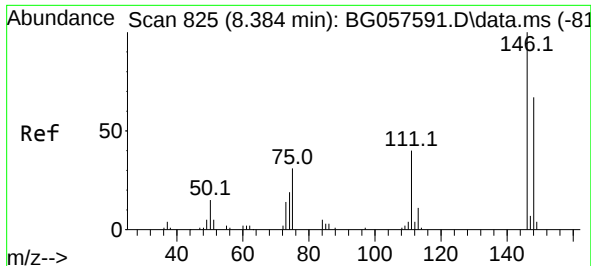
Supervised By :mohammad  
ahmed  
06/13/2023



#12  
1,3-Dichlorobenzene  
Concen: 54.684 ng  
RT: 8.225 min Scan# 798  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:146 Resp: 83667  
Ion Ratio Lower Upper  
146 100  
148 67.3 53.4 80.0  
75 34.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 54.888 ng

RT: 8.372 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG057658.D

Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 85430     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 66.5  | 53.8 80.6 |
| 111         | 40.9  | 31.9 47.9 |

Manual Integrations

APPROVED

Reviewed By :Yogesh

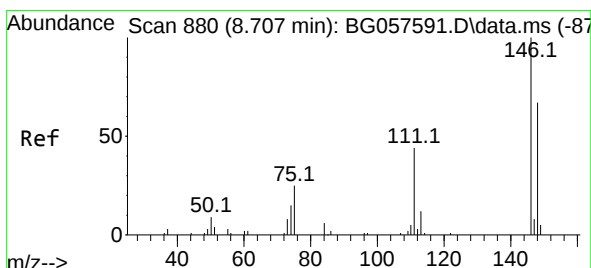
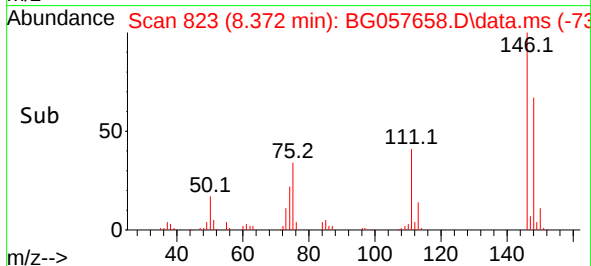
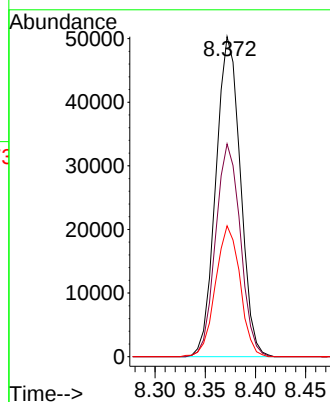
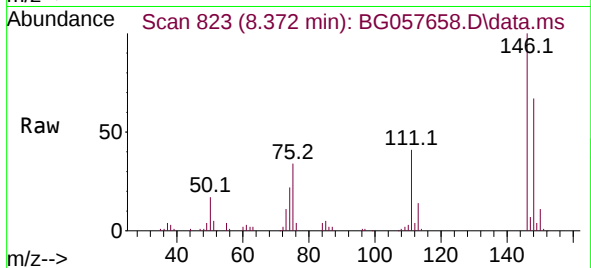
Patel

06/09/2023

Supervised By :mohammad

ahmed

06/13/2023



#14

1,2-Dichlorobenzene

Concen: 54.746 ng

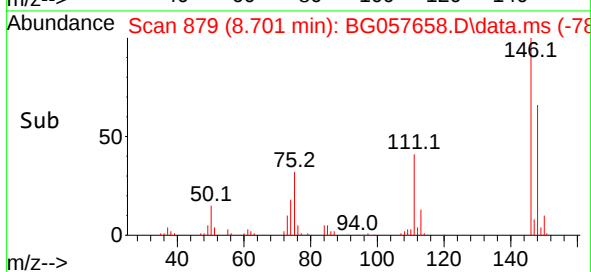
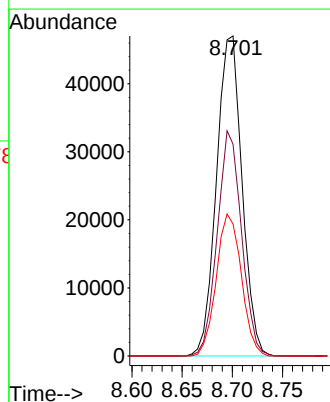
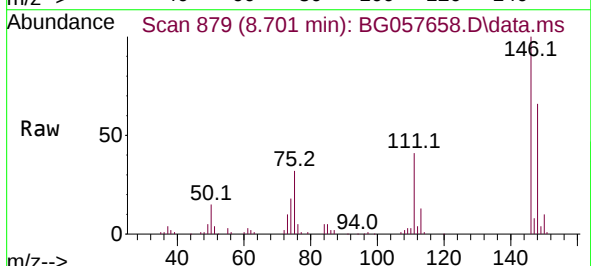
RT: 8.701 min Scan# 879

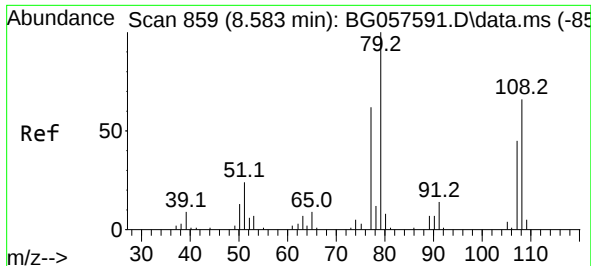
Delta R.T. 0.003 min

Lab File: BG057658.D

Acq: 7 Jun 2023 5:57

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 83119     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 66.2  | 53.5 80.3 |
| 111         | 41.3  | 36.6 54.8 |





#15  
Benzyl Alcohol  
Concen: 51.644 ng  
RT: 8.577 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion: 79 Resp: 8316  
Ion Ratio Lower Upper  
79 100  
108 72.5 52.6 78.8  
77 61.8 49.7 74.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh

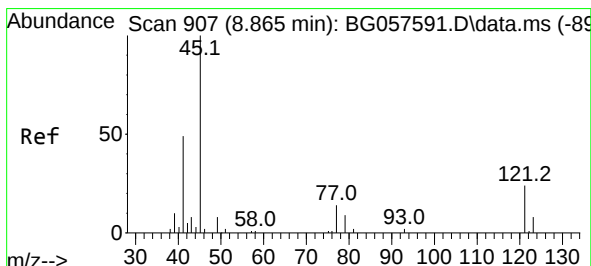
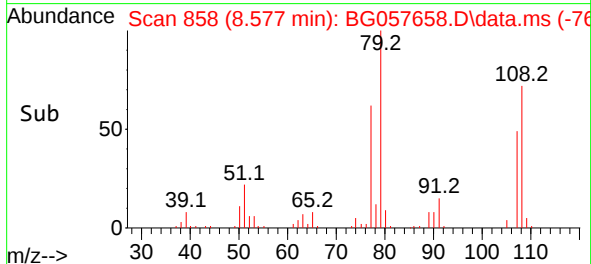
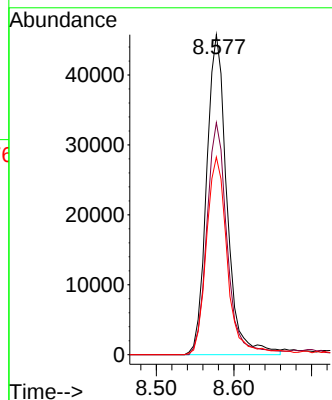
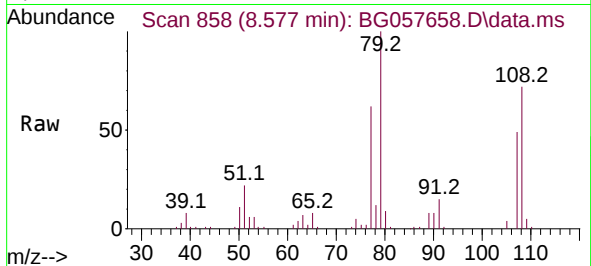
Patel

06/09/2023

Supervised By :mohammad

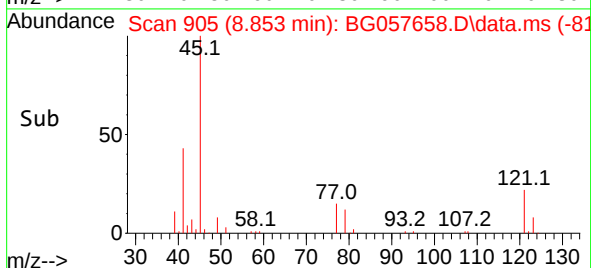
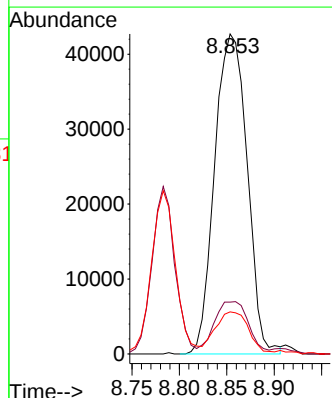
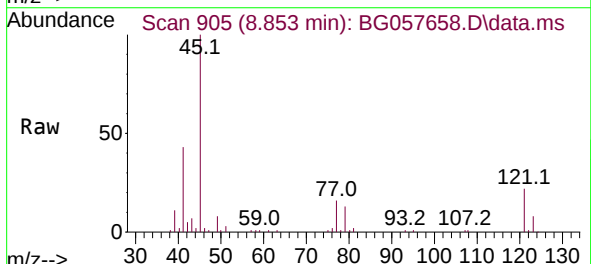
ahmed

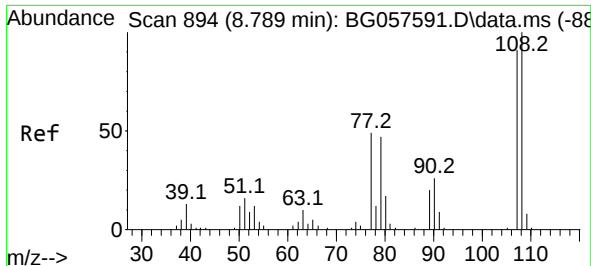
06/13/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 55.391 ng  
RT: 8.853 min Scan# 905  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion: 45 Resp: 101762  
Ion Ratio Lower Upper  
45 100  
77 16.2 0.0 39.2  
79 13.2 0.0 34.2





#17  
2-Methylphenol  
Concen: 54.060 ng  
RT: 8.783 min Scan# 894  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:107 Resp: 7866  
Ion Ratio Lower Upper  
107 100  
108 110.6 87.7 131.5  
77 49.3 43.0 64.6  
79 48.0 41.0 61.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh

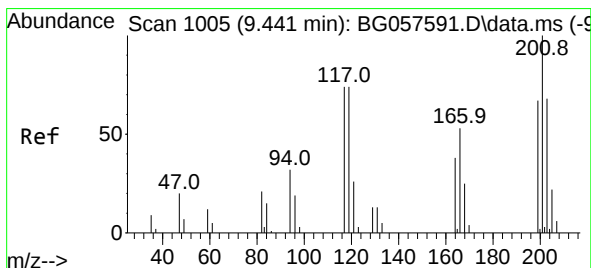
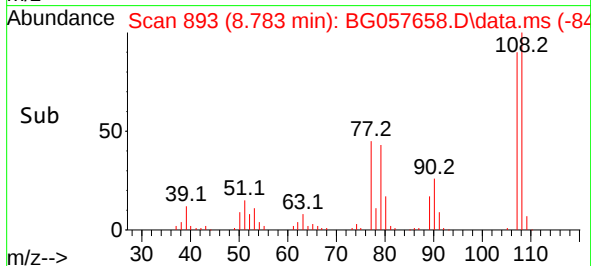
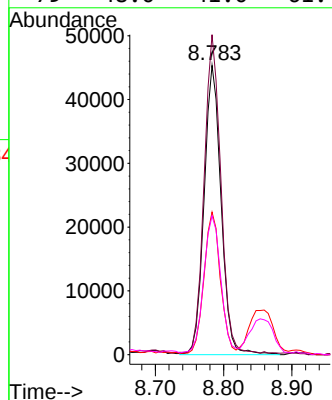
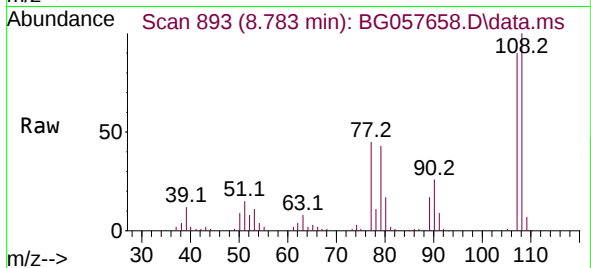
Patel

06/09/2023

Supervised By :mohammad

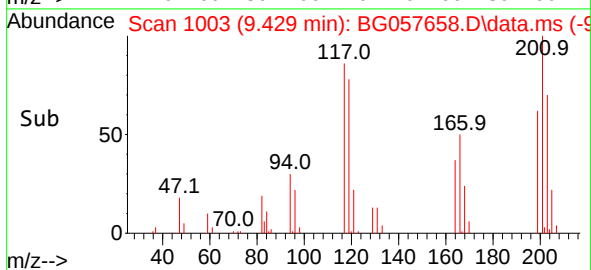
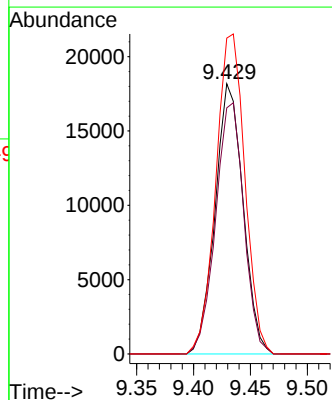
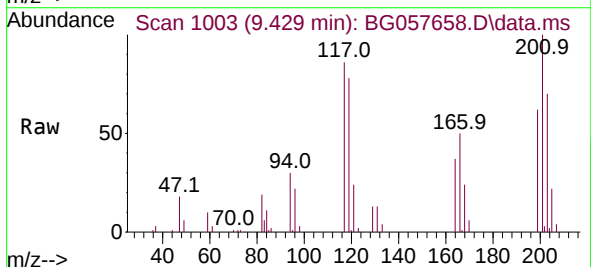
ahmed

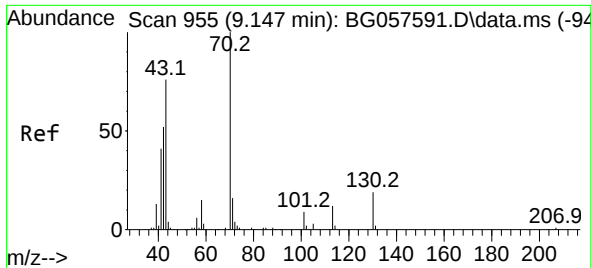
06/13/2023



#18  
Hexachloroethane  
Concen: 58.326 ng  
RT: 9.429 min Scan# 1003  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

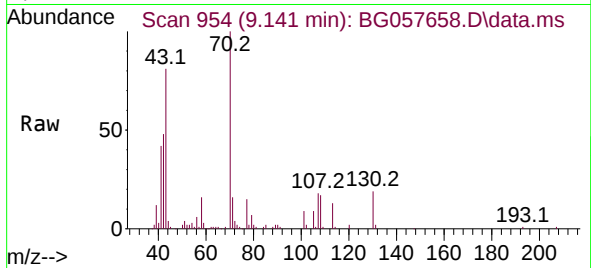
Tgt Ion:117 Resp: 31087  
Ion Ratio Lower Upper  
117 100  
119 91.1 80.6 121.0  
201 116.8 108.8 163.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 49.212 ng  
RT: 9.141 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

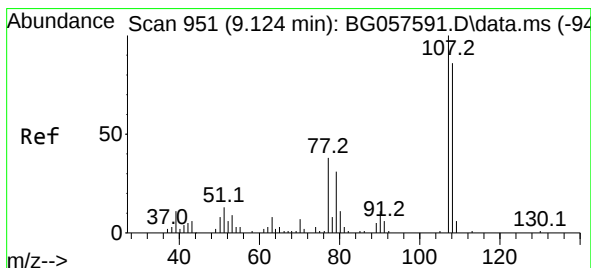
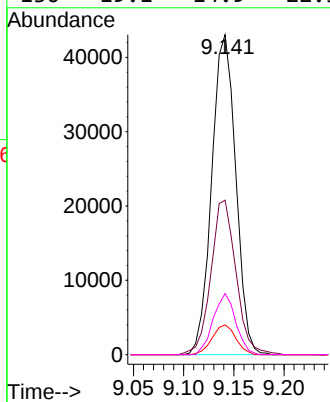
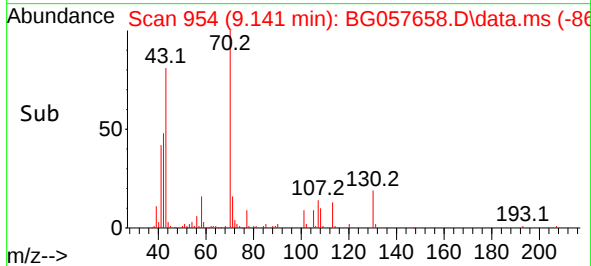


Tgt Ion: 70 Resp: 7157  
Ion Ratio Lower Upper  
70 100  
42 48.3 41.4 62.0  
101 9.3 6.9 10.3  
130 19.1 14.9 22.3

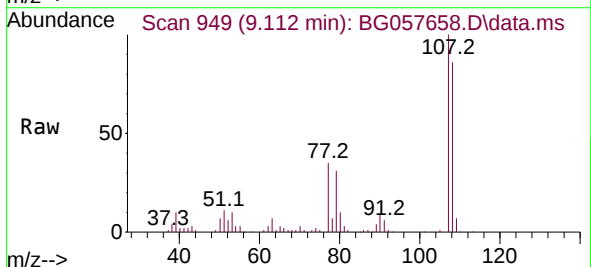
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel  
06/09/2023

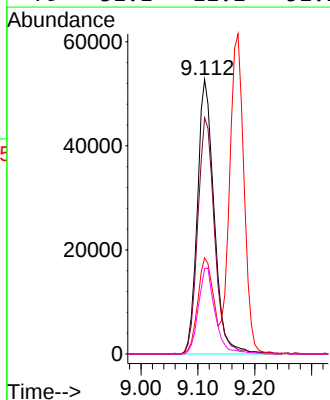
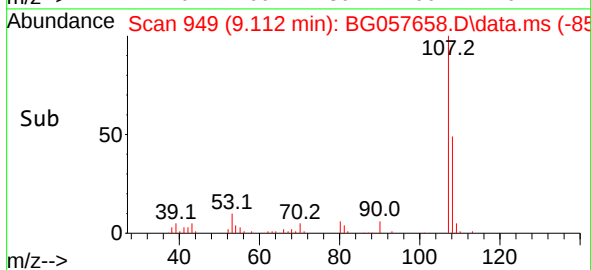
Supervised By :mohammad  
ahmed  
06/13/2023

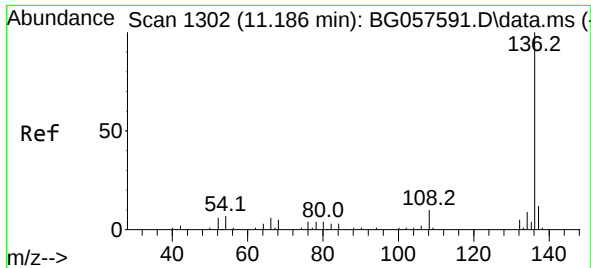


#20  
3+4-Methylphenols  
Concen: 52.778 ng  
RT: 9.112 min Scan# 949  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion:107 Resp: 107807  
Ion Ratio Lower Upper  
107 100  
108 86.1 65.6 105.6  
77 35.0 18.0 58.0  
79 31.1 11.1 51.1





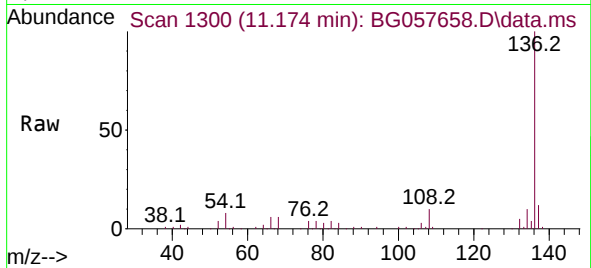
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.174 min Scan# 111  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:136 Resp: 104564  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.8 14.8  
54 8.2 5.8 8.6  
68 6.2 4.1 6.1#

Manual Integrations  
APPROVED

Reviewed By :Yogesh

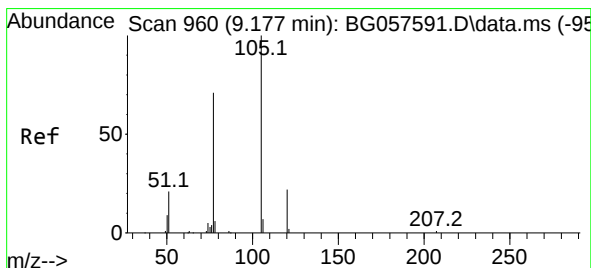
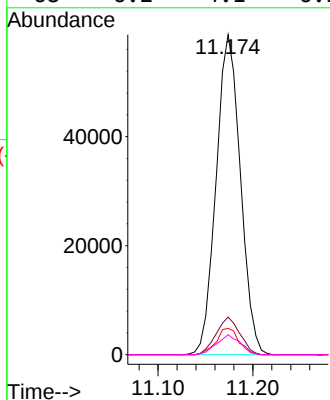
Patel

06/09/2023

Supervised By :mohammad

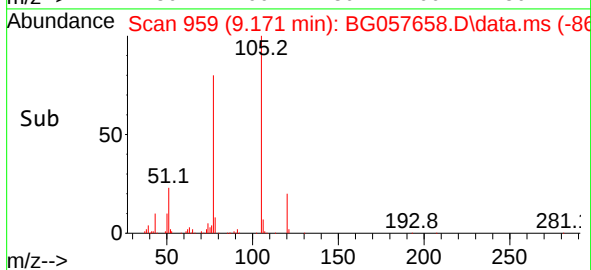
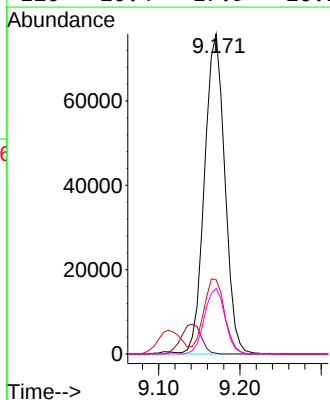
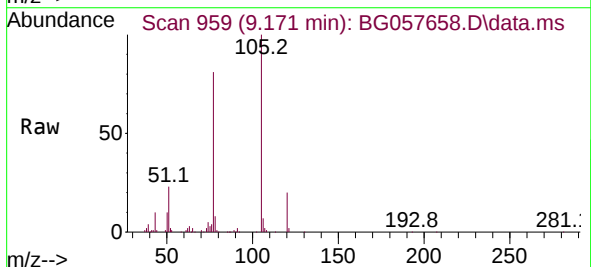
ahmed

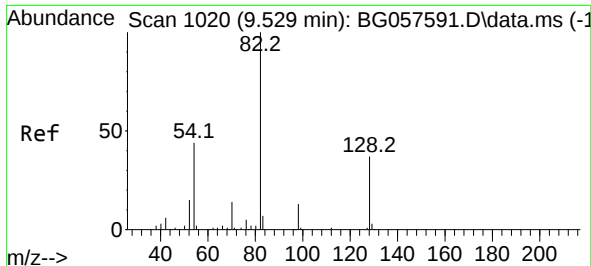
06/13/2023



#22  
Acetophenone  
Concen: 47.091 ng  
RT: 9.171 min Scan# 959  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:105 Resp: 131667  
Ion Ratio Lower Upper  
105 100  
71 0.2 0.0 0.0#  
51 23.2 20.7 31.1  
120 20.4 17.9 26.9





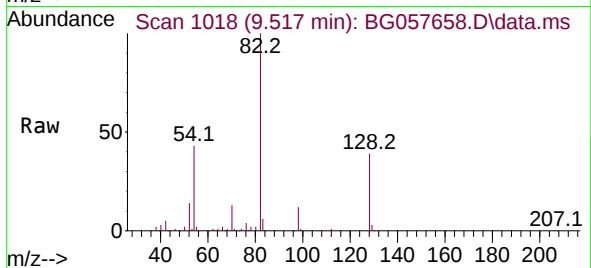
#23  
Nitrobenzene-d5  
Concen: 94.247 ng  
RT: 9.517 min Scan# 1018  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion: 82 Resp: 21081  
Ion Ratio Lower Upper  
82 100  
128 39.2 30.0 45.0  
54 42.8 35.2 52.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh

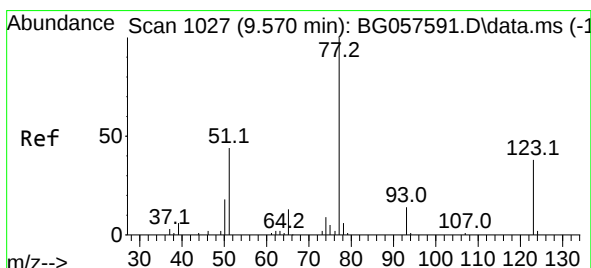
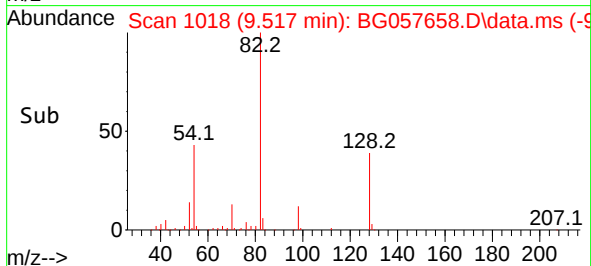
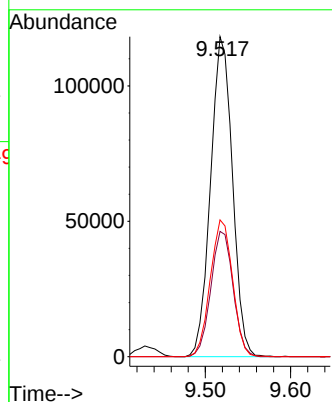
Patel

06/09/2023

Supervised By :mohammad

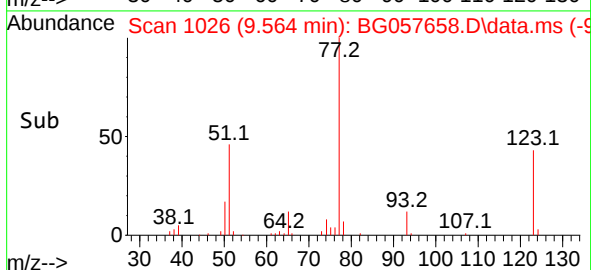
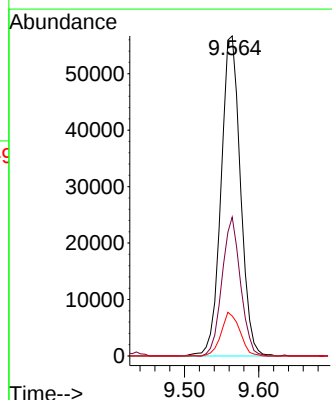
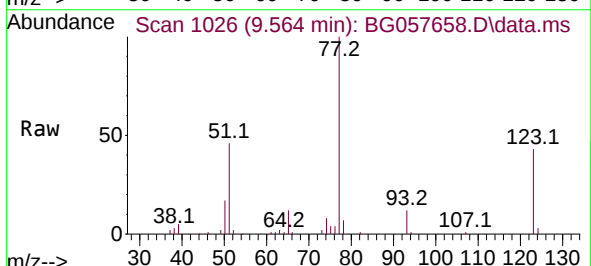
ahmed

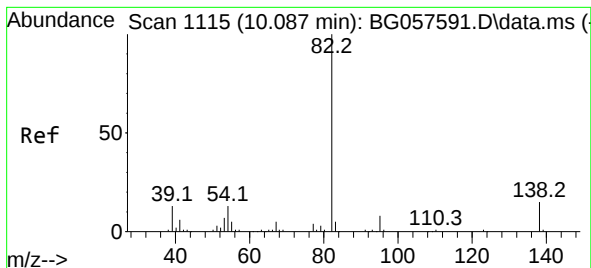
06/13/2023



#24  
Nitrobenzene  
Concen: 45.329 ng  
RT: 9.564 min Scan# 1026  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion: 77 Resp: 102923  
Ion Ratio Lower Upper  
77 100  
123 43.4 30.6 46.0  
65 12.5 10.2 15.4





#25

Isophorone

Concen: 44.397 ng

RT: 10.081 min Scan# 1115

Delta R.T. 0.003 min

Lab File: BG057658.D

Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 195190 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 95 7.2      | 6.3 9.5      |
| 138 17.2    | 12.0 18.0    |

Manual Integrations  
APPROVED

Reviewed By :Yogesh

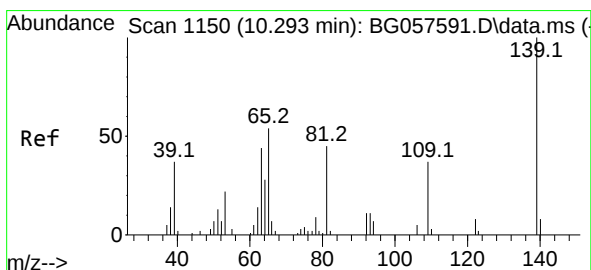
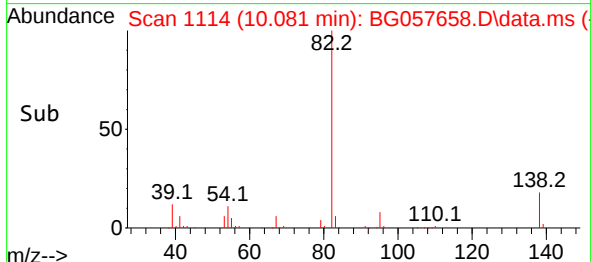
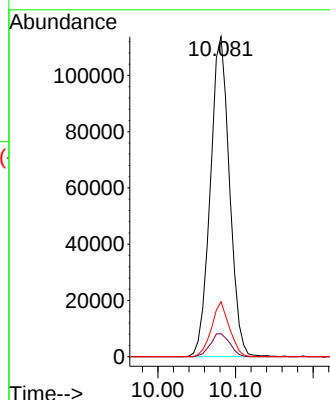
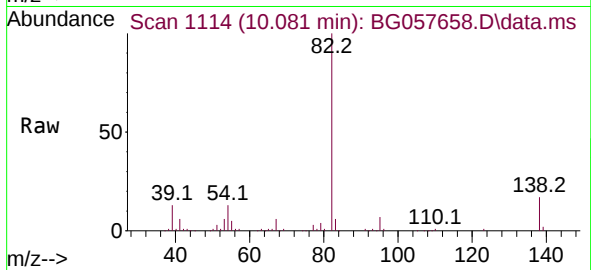
Patel

06/09/2023

Supervised By :mohammad

ahmed

06/13/2023



#26

2-Nitrophenol

Concen: 48.740 ng

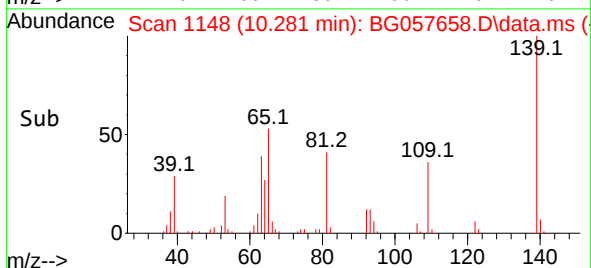
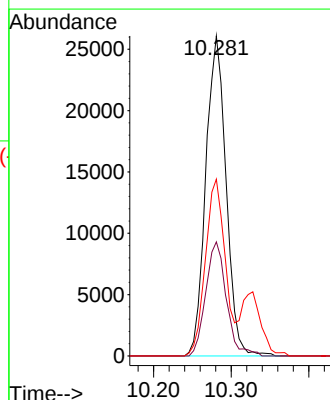
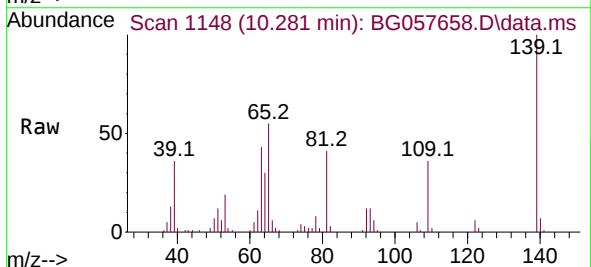
RT: 10.281 min Scan# 1148

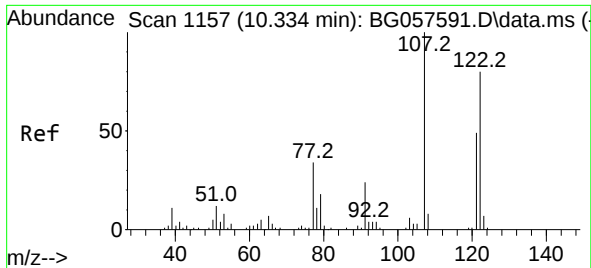
Delta R.T. -0.003 min

Lab File: BG057658.D

Acq: 7 Jun 2023 5:57

|             |             |
|-------------|-------------|
| Tgt Ion:139 | Resp: 47450 |
| Ion Ratio   | Lower Upper |
| 139 100     |             |
| 109 35.7    | 29.5 44.3   |
| 65 55.3     | 43.0 64.6   |





#27  
2,4-Dimethylphenol  
Concen: 51.921 ng  
RT: 10.322 min Scan# 1155  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:122 Resp: 8739  
Ion Ratio Lower Upper  
122 100  
107 126.8 99.4 149.2  
121 59.3 48.4 72.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh

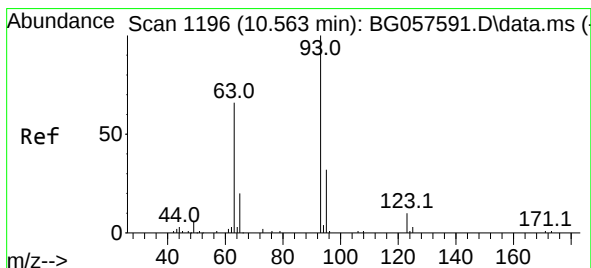
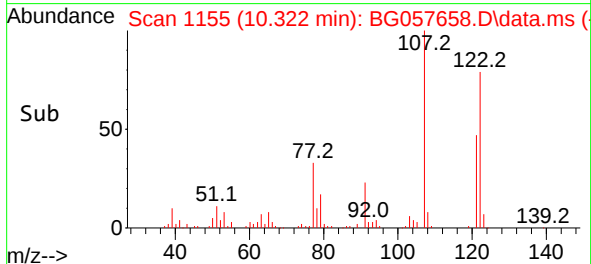
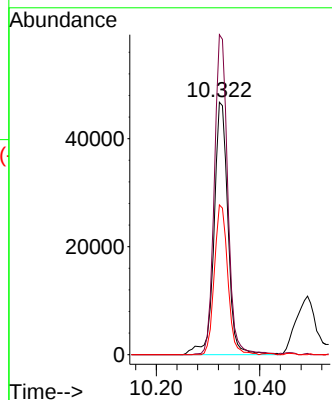
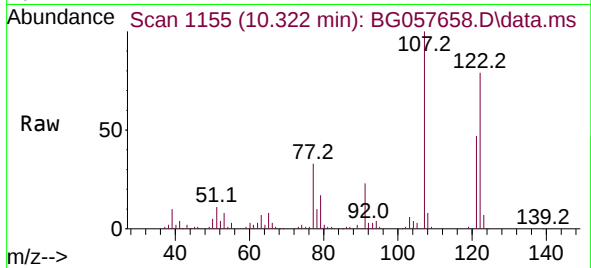
Patel

06/09/2023

Supervised By :mohammad

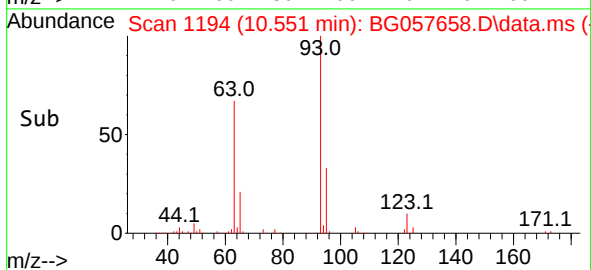
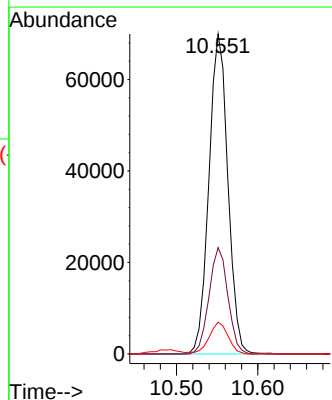
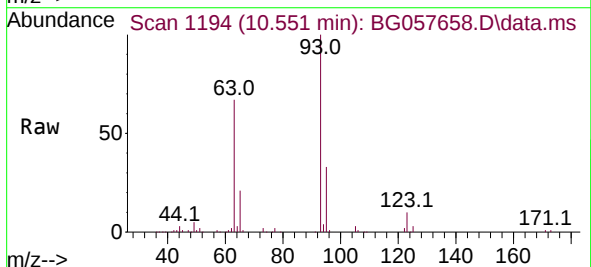
ahmed

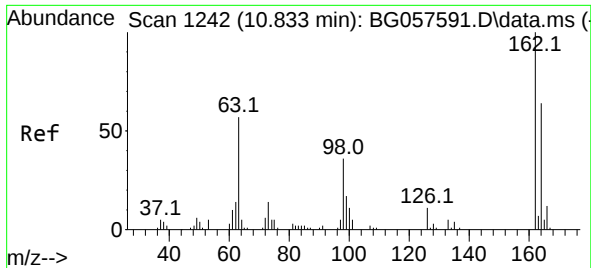
06/13/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.638 ng  
RT: 10.551 min Scan# 1194  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion: 93 Resp: 113166  
Ion Ratio Lower Upper  
93 100  
95 33.2 25.3 37.9  
123 10.0 8.2 12.4





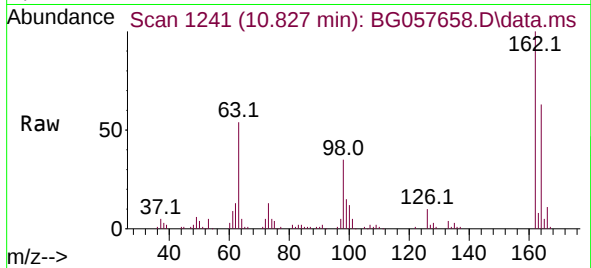
#29  
2,4-Dichlorophenol  
Concen: 51.539 ng  
RT: 10.827 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:162 Resp: 9111  
Ion Ratio Lower Upper  
162 100  
164 62.7 44.1 84.1  
98 35.1 16.3 56.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh

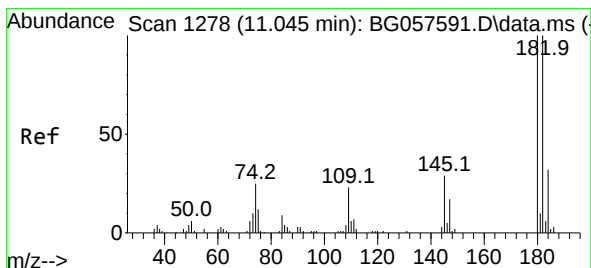
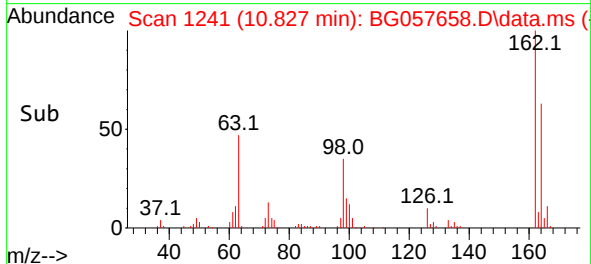
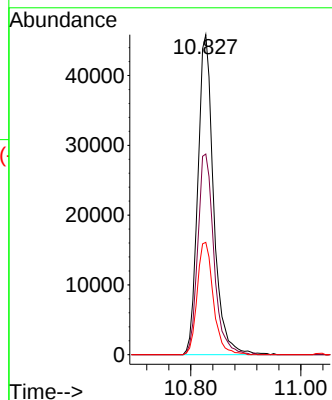
Patel

06/09/2023

Supervised By :mohammad

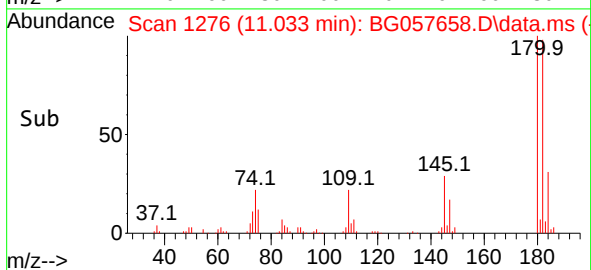
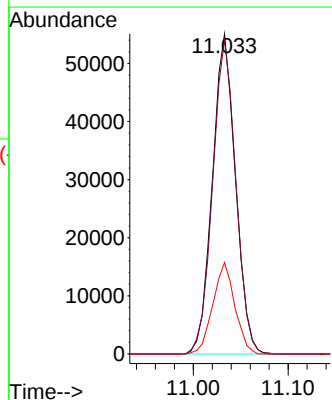
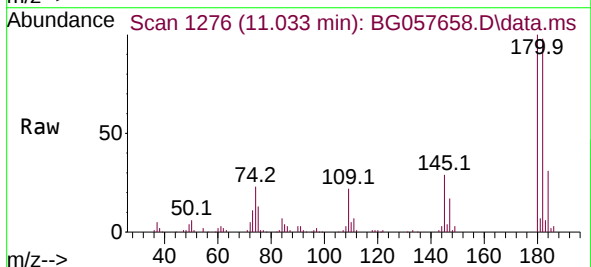
ahmed

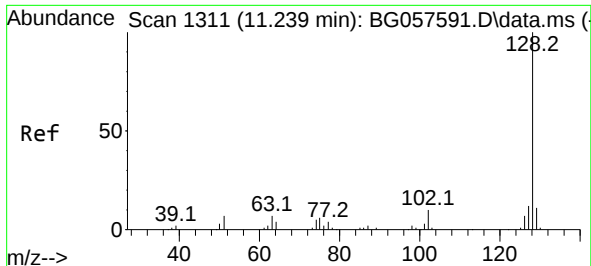
06/13/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 48.365 ng  
RT: 11.033 min Scan# 1276  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

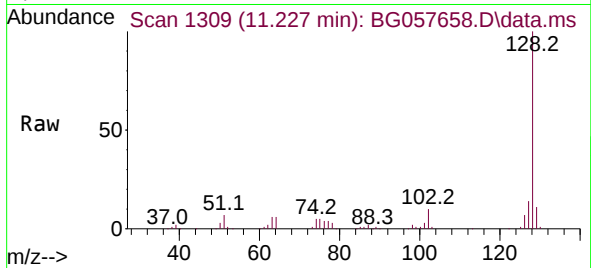
Tgt Ion:180 Resp: 93182  
Ion Ratio Lower Upper  
180 100  
182 98.2 80.2 120.2  
145 28.5 23.1 34.7





#31  
Naphthalene  
Concen: 47.006 ng  
RT: 11.227 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

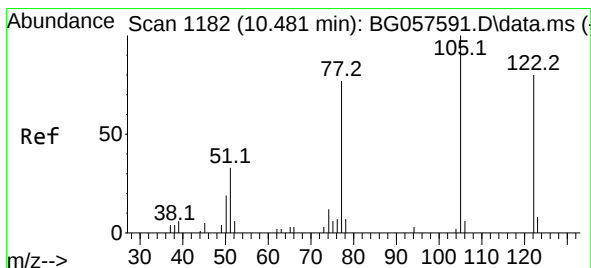
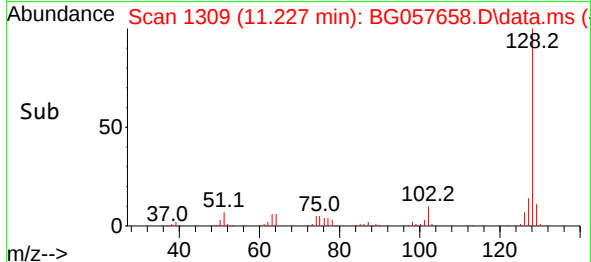
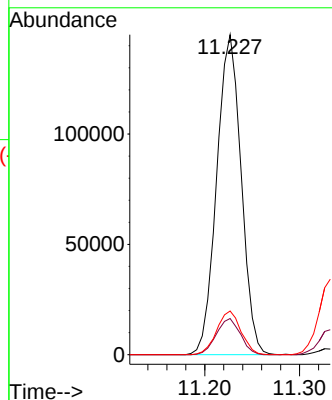


Tgt Ion:128 Resp: 26000  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.7 13.1  
127 13.7 9.8 14.8

Manual Integrations  
APPROVED

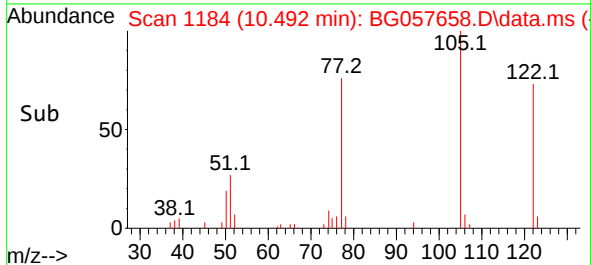
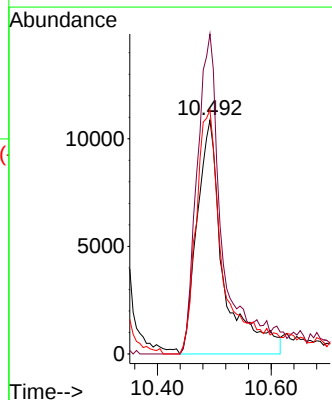
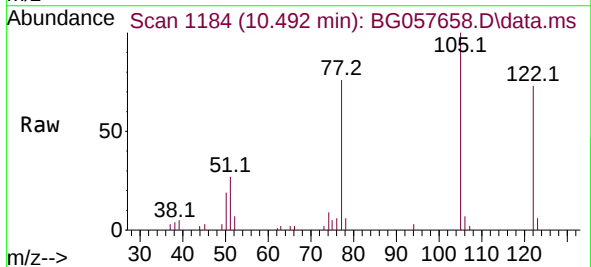
Reviewed By :Yogesh  
Patel  
06/09/2023

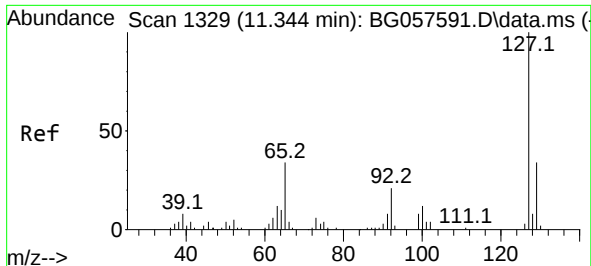
Supervised By :mohammad  
ahmed  
06/13/2023



#32  
Benzoic acid  
Concen: 37.366 ng  
RT: 10.492 min Scan# 1184  
Delta R.T. 0.014 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:122 Resp: 34994  
Ion Ratio Lower Upper  
122 100  
105 136.9 104.8 144.8  
77 104.5 75.8 115.8





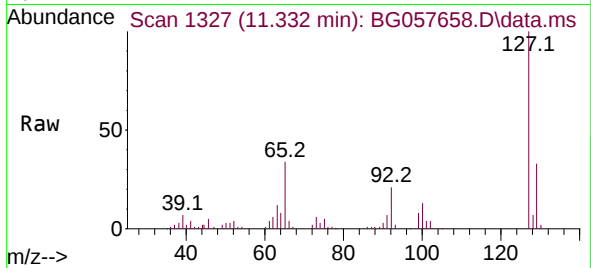
#33  
4-Chloroaniline  
Concen: 28.839 ng  
RT: 11.332 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.0  | 26.9  | 40.3  |
| 65      | 34.4  | 27.3  | 40.9  |
| 92      | 21.3  | 16.8  | 25.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh

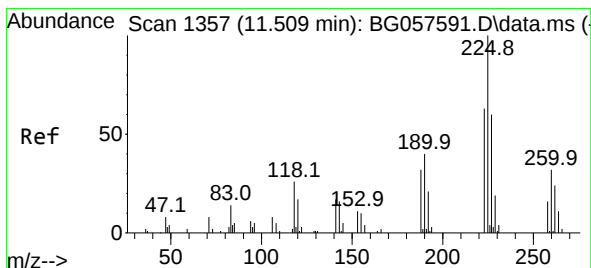
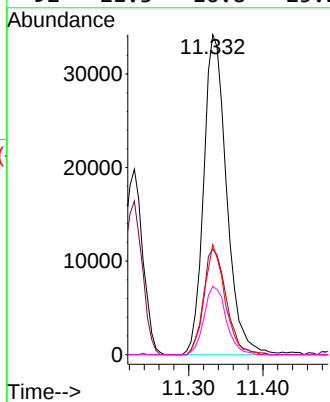
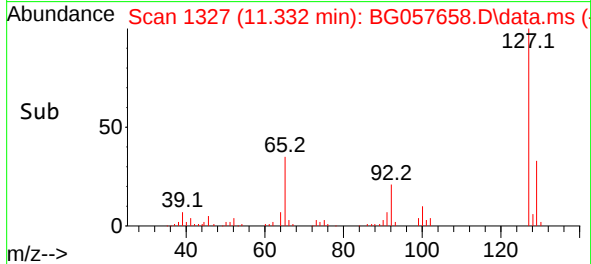
Patel

06/09/2023

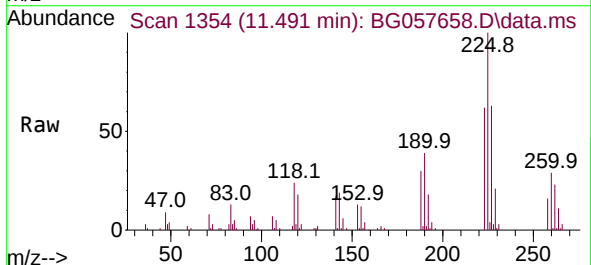
Supervised By :mohammad

ahmed

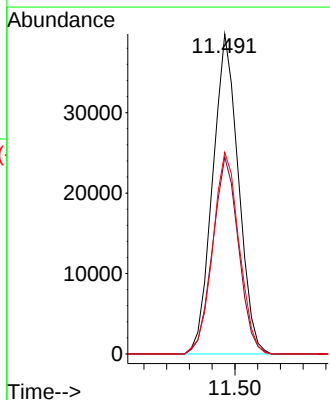
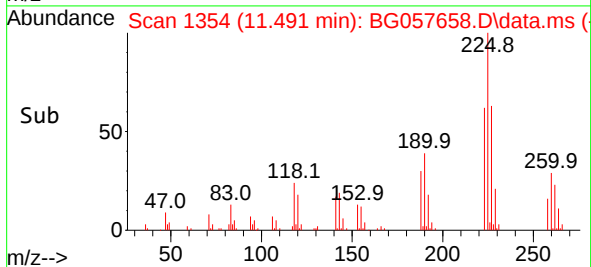
06/13/2023

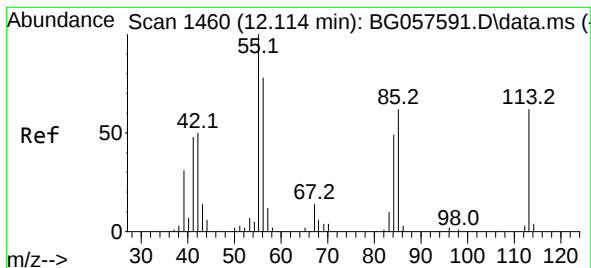


#34  
Hexachlorobutadiene  
Concen: 46.902 ng  
RT: 11.491 min Scan# 1354  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.6  | 50.1  | 75.1  |
| 227     | 63.0  | 47.9  | 71.9  |





#35  
Caprolactam  
Concen: 43.750 ng m  
RT: 12.108 min Scan# 1460  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

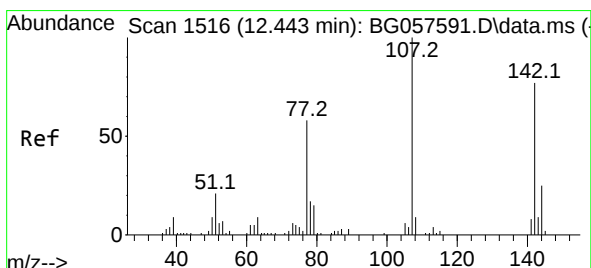
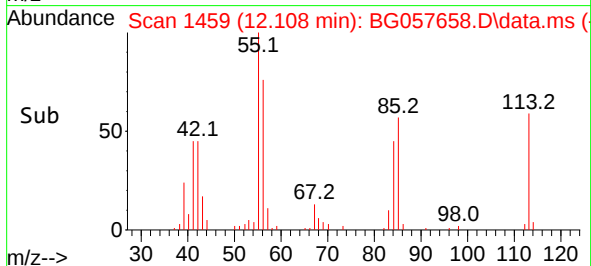
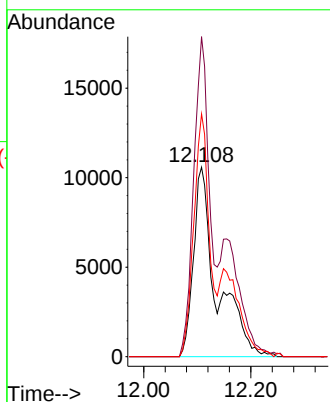
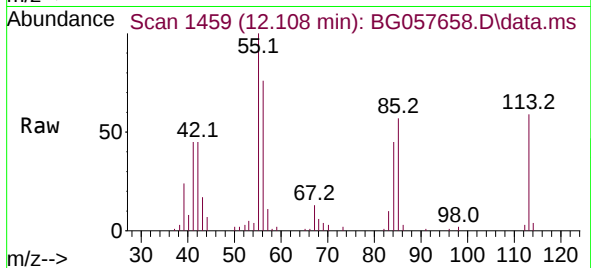
Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

Tgt Ion:113 Resp: 32062  
Ion Ratio Lower Upper  
113 100  
55 169.0 140.9 180.9  
56 128.2 105.9 145.9

Manual Integrations  
APPROVED

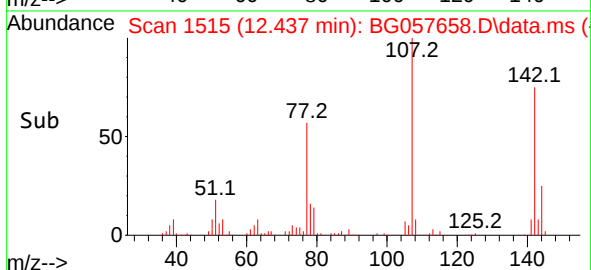
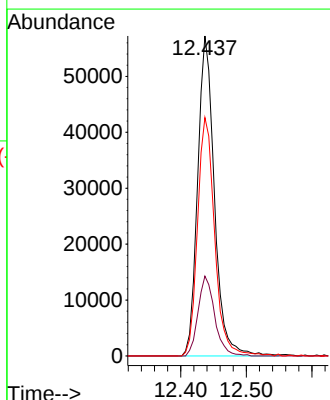
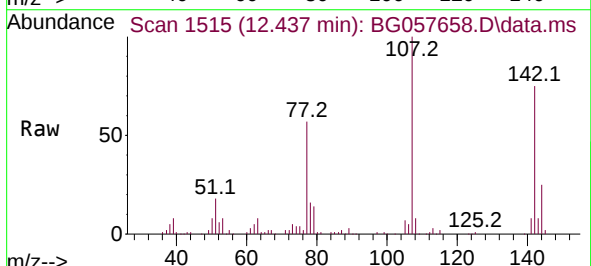
Reviewed By :Yogesh  
Patel  
06/09/2023

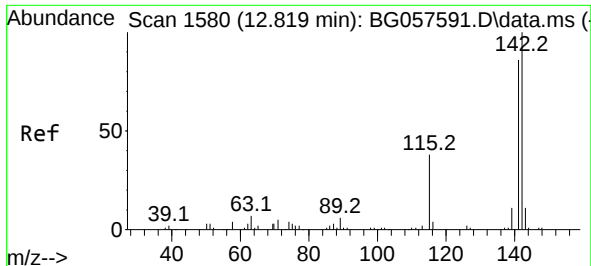
Supervised By :mohammad  
ahmed  
06/13/2023



#36  
4-Chloro-3-methylphenol  
Concen: 48.753 ng  
RT: 12.437 min Scan# 1515  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:107 Resp: 102016  
Ion Ratio Lower Upper  
107 100  
144 25.0 19.7 29.5  
142 74.5 61.6 92.4





#37  
2-Methylnaphthalene  
Concen: 44.920 ng  
RT: 12.801 min Scan# 1577  
Delta R.T. -0.009 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:142 Resp: 195010  
Ion Ratio Lower Upper  
142 100  
141 88.7 68.6 103.0  
115 36.7 30.4 45.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh

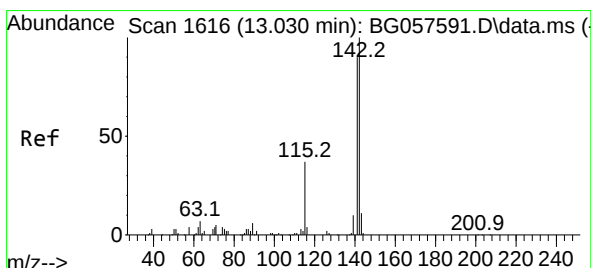
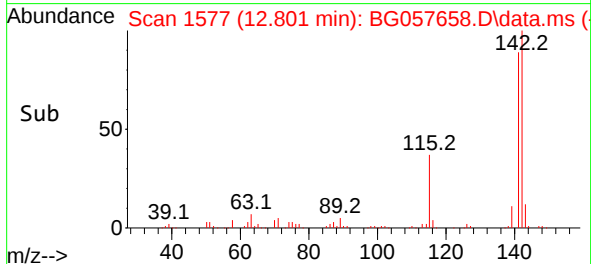
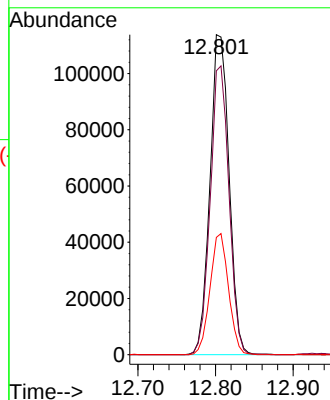
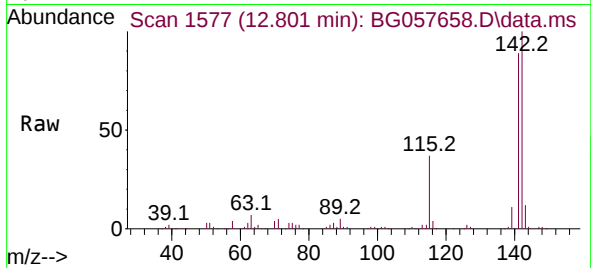
Patel

06/09/2023

Supervised By :mohammad

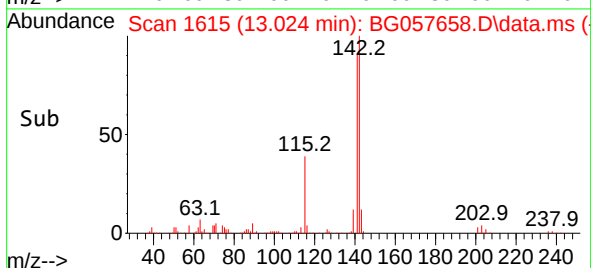
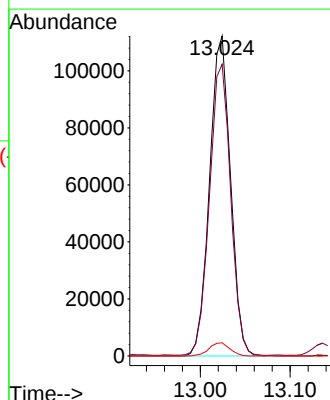
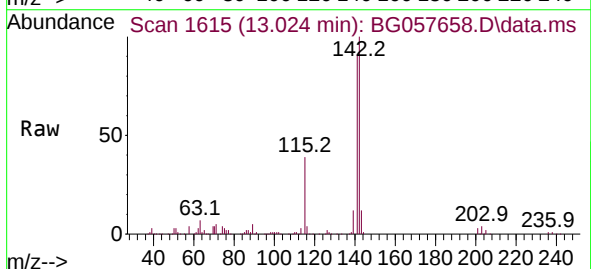
ahmed

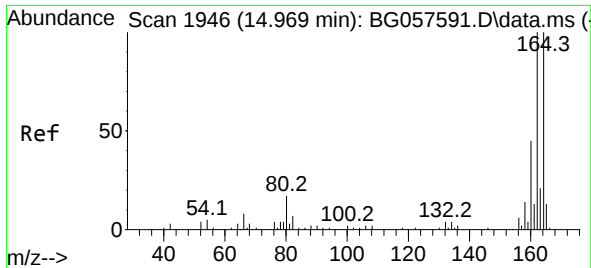
06/13/2023



#38  
1-Methylnaphthalene  
Concen: 43.792 ng  
RT: 13.024 min Scan# 1615  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:142 Resp: 181424  
Ion Ratio Lower Upper  
142 100  
141 91.2 72.1 108.1  
116 4.1 3.4 5.2





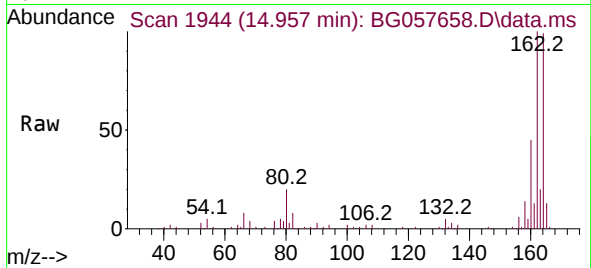
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.957 min Scan# 1946  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:164 Resp: 7998  
Ion Ratio Lower Upper  
164 100  
162 100.9 80.1 120.1  
160 45.0 35.9 53.9

Manual Integrations  
APPROVED

Reviewed By :Yogesh

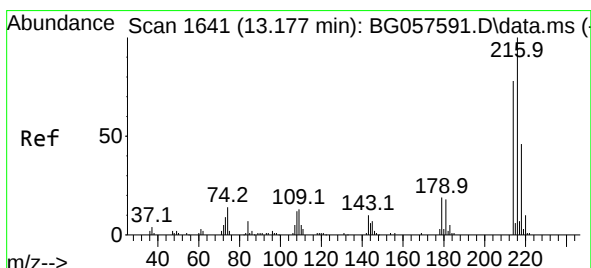
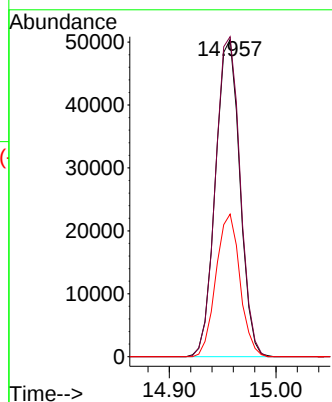
Patel

06/09/2023

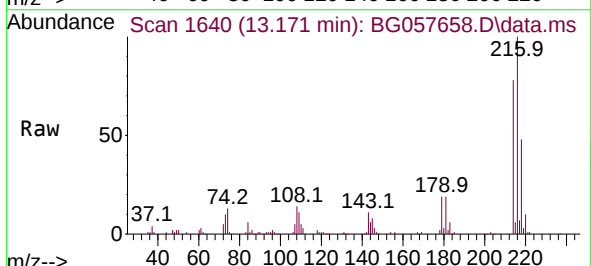
Supervised By :mohammad

ahmed

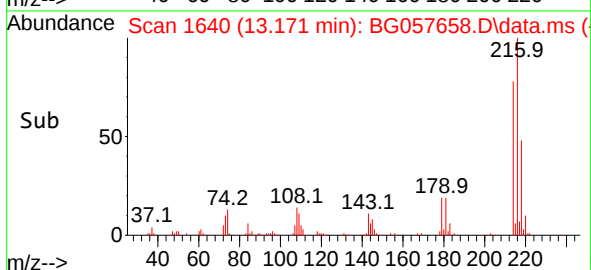
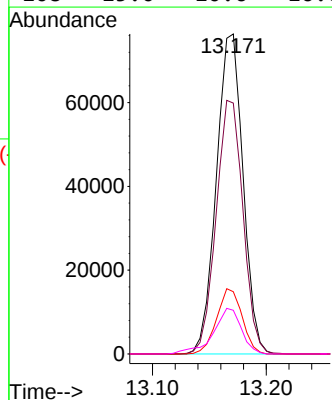
06/13/2023

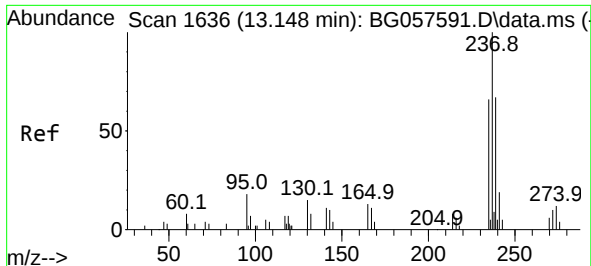


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.347 ng  
RT: 13.171 min Scan# 1640  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion:216 Resp: 124302  
Ion Ratio Lower Upper  
216 100  
214 79.9 63.0 94.6  
179 19.5 15.0 22.6  
108 15.0 10.6 16.0





#41  
Hexachlorocyclopentadiene  
Concen: 90.745 ng  
RT: 13.136 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:237 Resp: 6556  
Ion Ratio Lower Upper  
237 100  
235 60.9 45.7 85.7  
272 12.7 0.0 30.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh

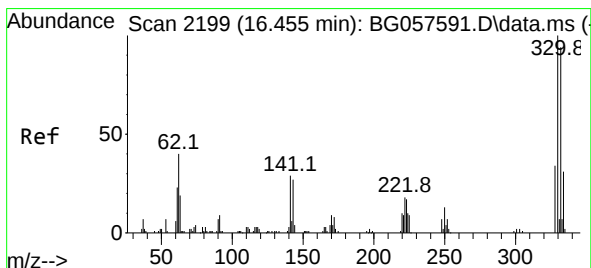
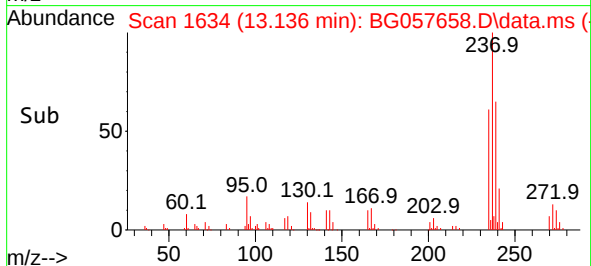
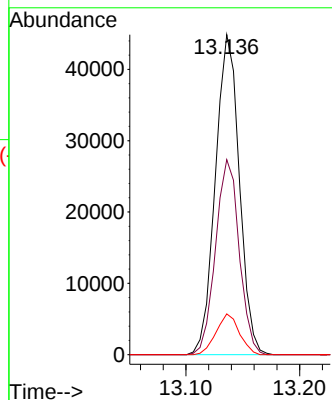
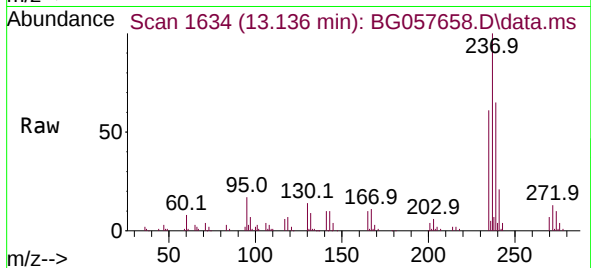
Patel

06/09/2023

Supervised By :mohammad

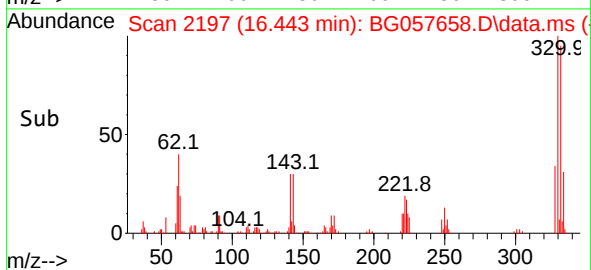
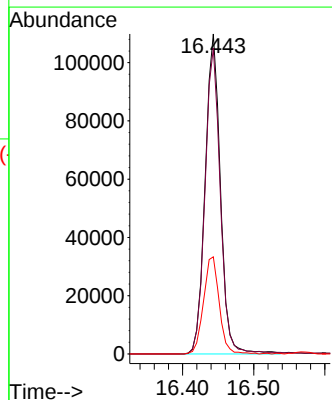
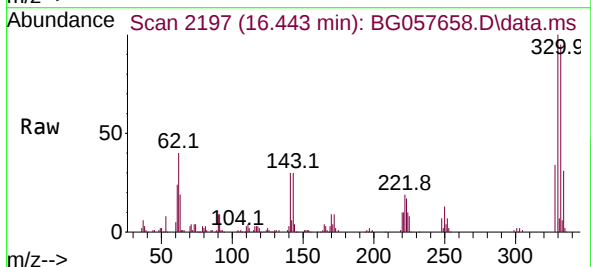
ahmed

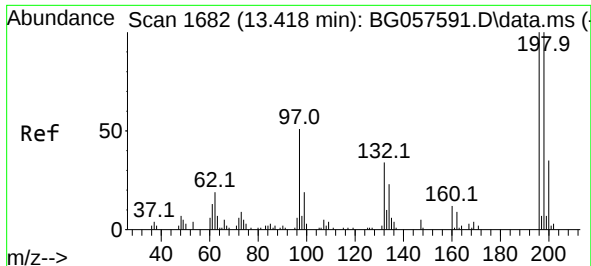
06/13/2023



#42  
2,4,6-Tribromophenol  
Concen: 128.467 ng  
RT: 16.443 min Scan# 2197  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:330 Resp: 164512  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.3 115.9  
141 31.2 24.6 37.0





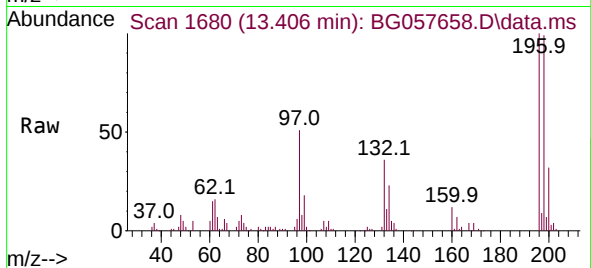
#43  
2,4,6-Trichlorophenol  
Concen: 47.835 ng  
RT: 13.406 min Scan# 1680  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:196 Resp: 7906  
Ion Ratio Lower Upper  
196 100  
198 98.9 79.6 119.4  
200 32.2 28.2 42.2

Manual Integrations

APPROVED

Reviewed By :Yogesh

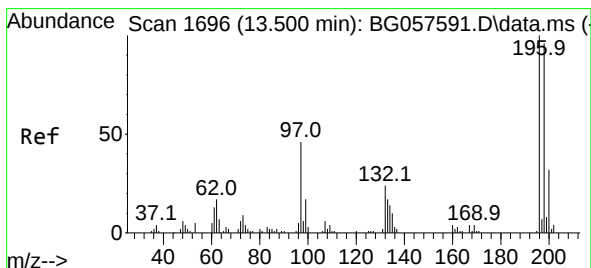
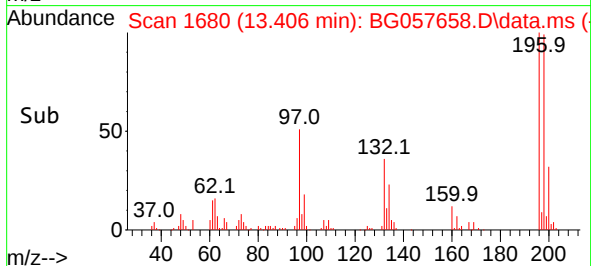
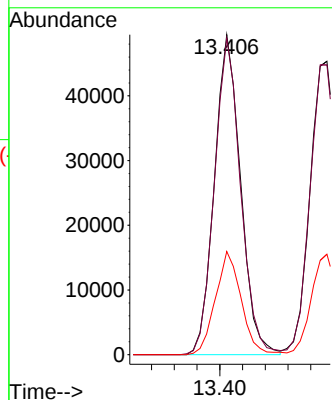
Patel

06/09/2023

Supervised By :mohammad

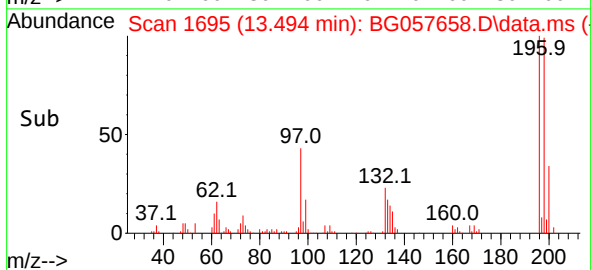
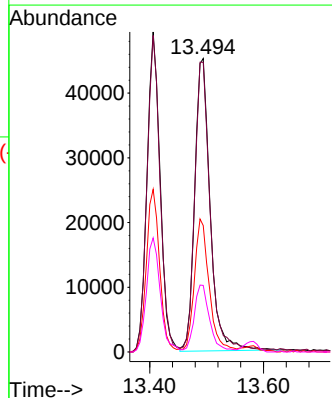
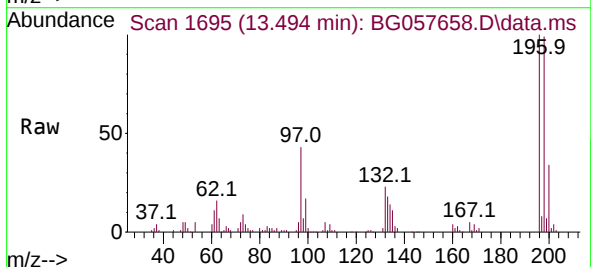
ahmed

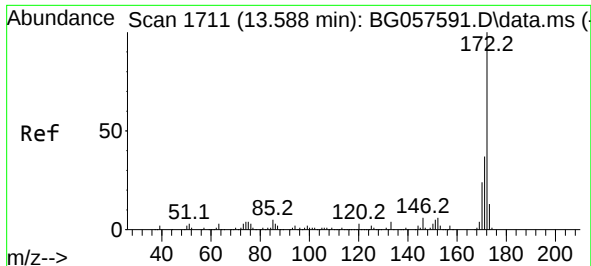
06/13/2023



#44  
2,4,5-Trichlorophenol  
Concen: 43.439 ng  
RT: 13.494 min Scan# 1695  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:196 Resp: 85511  
Ion Ratio Lower Upper  
196 100  
198 98.7 76.9 115.3  
97 43.1 36.6 55.0  
132 22.7 18.9 28.3





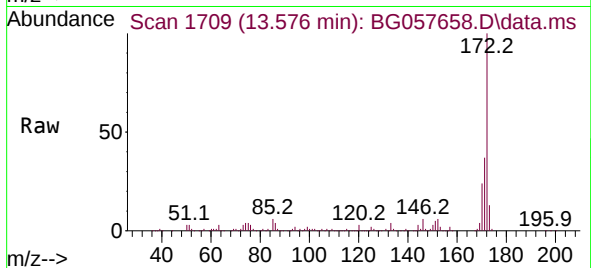
#45  
2-Fluorobiphenyl  
Concen: 95.018 ng  
RT: 13.576 min Scan# 1709  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:172 Resp: 52883  
Ion Ratio Lower Upper  
172 100  
171 37.3 29.2 43.8  
170 24.4 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh

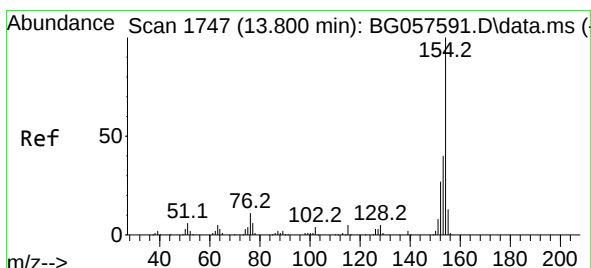
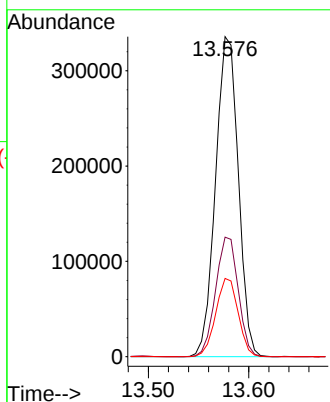
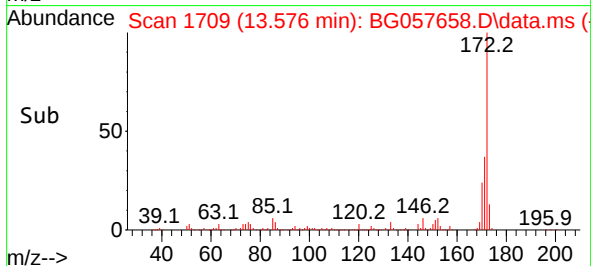
Patel

06/09/2023

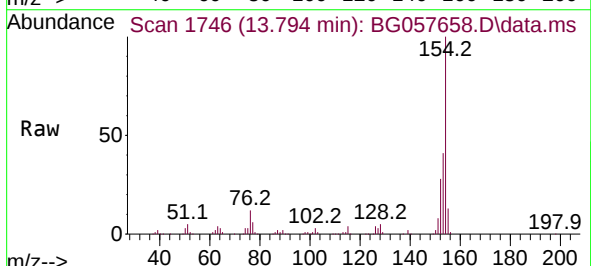
Supervised By :mohammad

ahmed

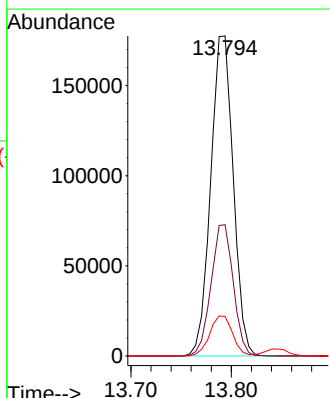
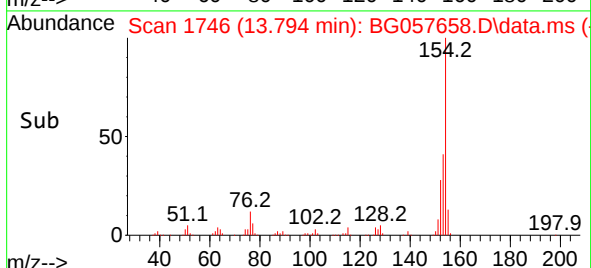
06/13/2023

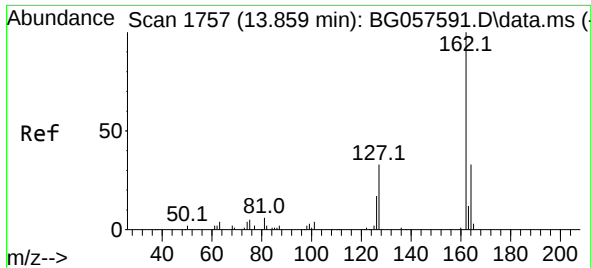


#46  
1,1'-Biphenyl  
Concen: 48.411 ng  
RT: 13.794 min Scan# 1746  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion:154 Resp: 276746  
Ion Ratio Lower Upper  
154 100  
153 41.0 19.6 59.6  
76 12.4 0.0 30.9





#47  
2-Chloronaphthalene  
Concen: 48.517 ng  
RT: 13.847 min Scan# 1755  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:162 Resp: 208909  
Ion Ratio Lower Upper  
162 100  
127 37.9 28.2 42.2  
164 34.7 26.1 39.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh

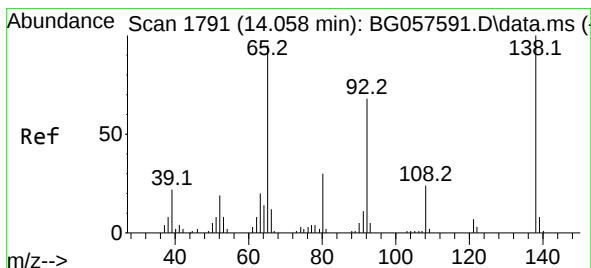
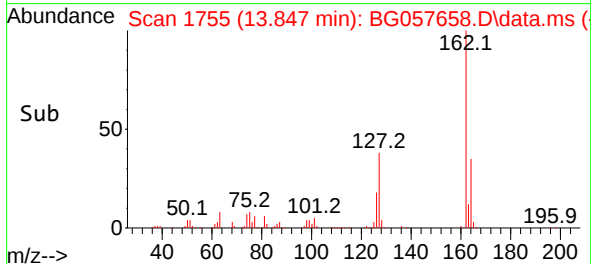
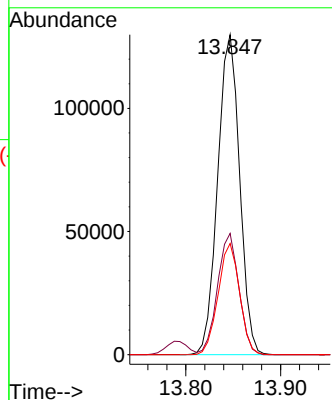
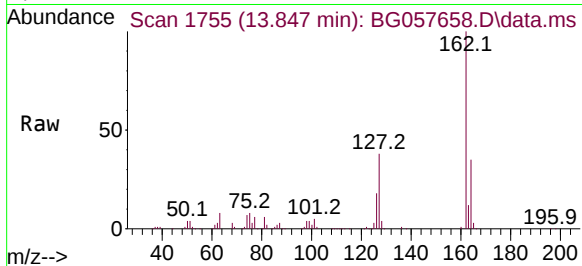
Patel

06/09/2023

Supervised By :mohammad

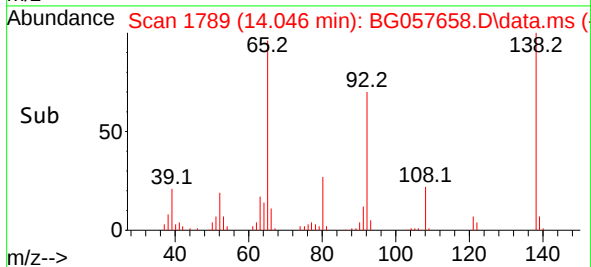
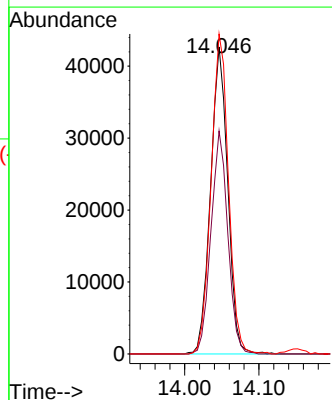
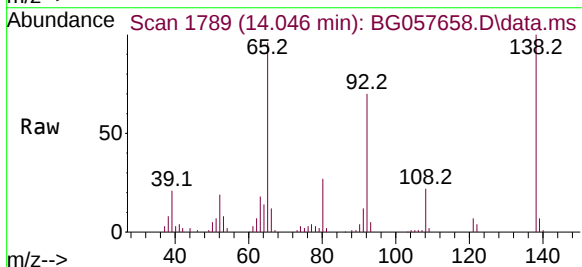
ahmed

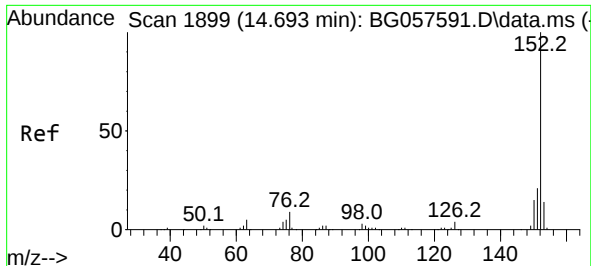
06/13/2023



#48  
2-Nitroaniline  
Concen: 45.550 ng  
RT: 14.046 min Scan# 1789  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion: 65 Resp: 68703  
Ion Ratio Lower Upper  
65 100  
92 72.7 57.3 85.9  
138 104.2 84.6 127.0





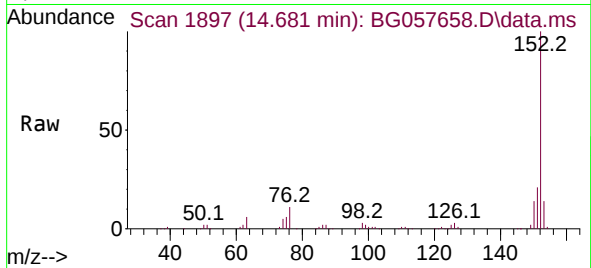
#49  
Acenaphthylene  
Concen: 46.391 ng  
RT: 14.681 min Scan# 1897  
Delta R.T. -0.009 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:152 Resp: 338250  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.5 24.7  
153 14.0 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh

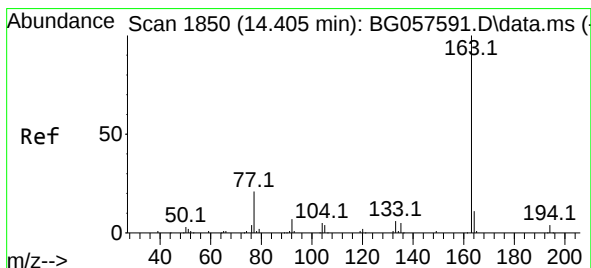
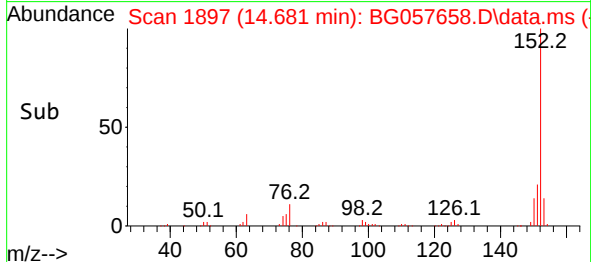
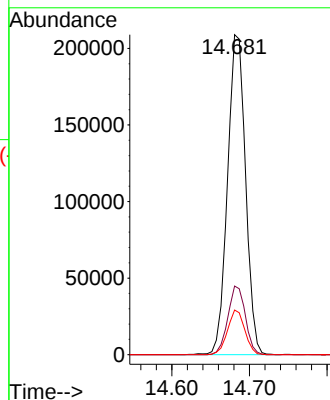
Patel

06/09/2023

Supervised By :mohammad

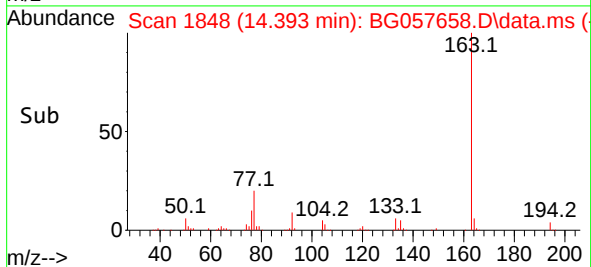
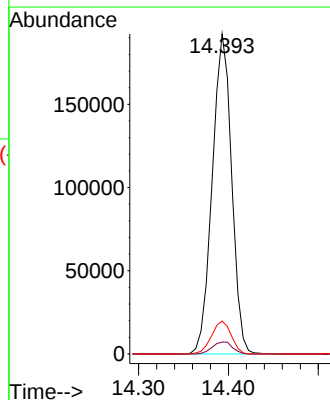
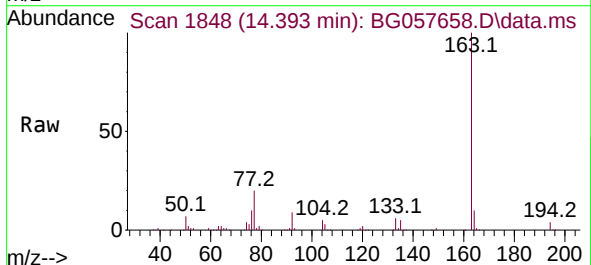
ahmed

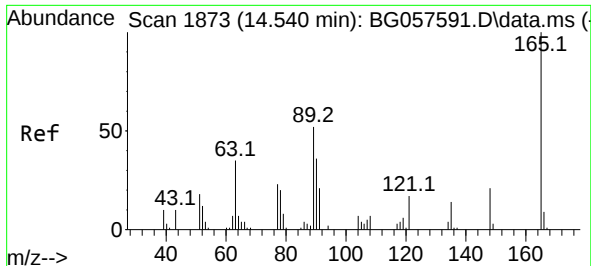
06/13/2023



#50  
Dimethylphthalate  
Concen: 43.680 ng  
RT: 14.393 min Scan# 1848  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:163 Resp: 287947  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.0 4.4  
164 10.3 8.5 12.7





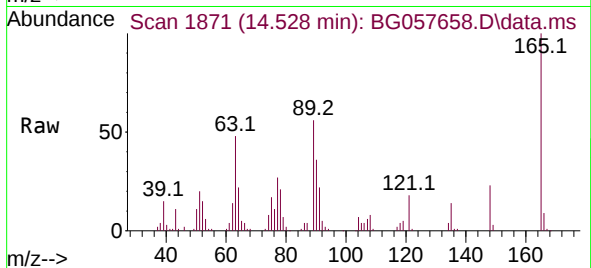
#51  
2,6-Dinitrotoluene  
Concen: 46.460 ng  
RT: 14.528 min Scan# 1871  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:165 Resp: 6556  
Ion Ratio Lower Upper  
165 100  
63 48.0 39.3 58.9  
89 56.3 41.5 62.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh

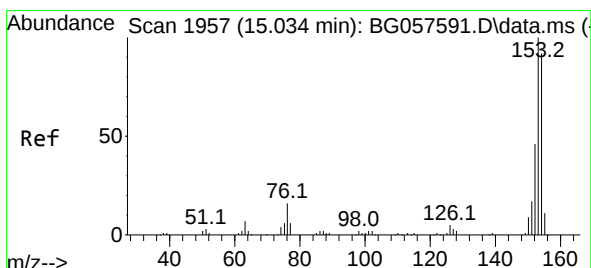
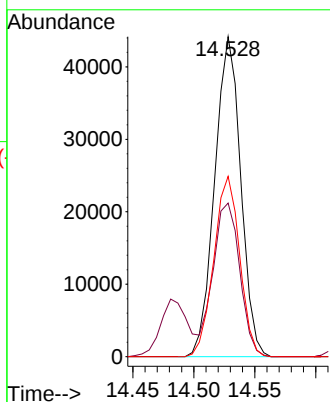
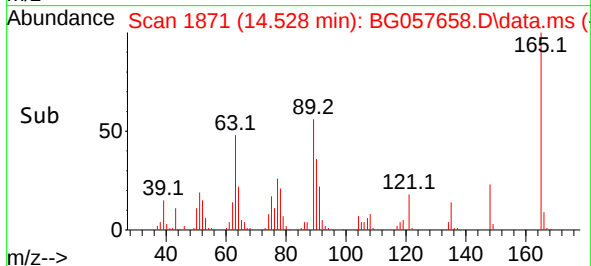
Patel

06/09/2023

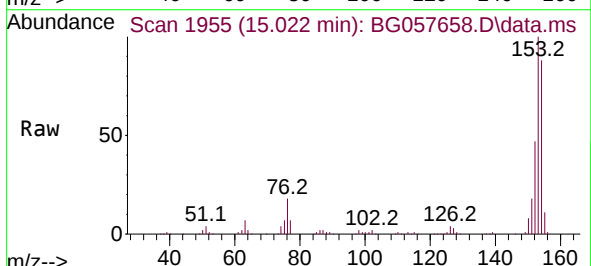
Supervised By :mohammad

ahmed

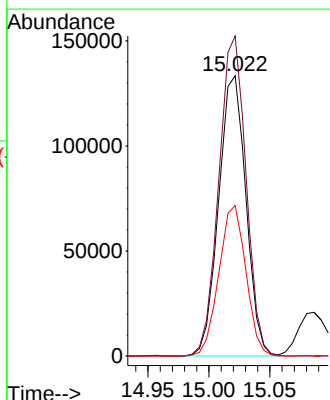
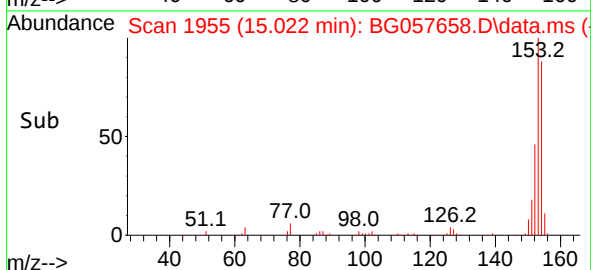
06/13/2023

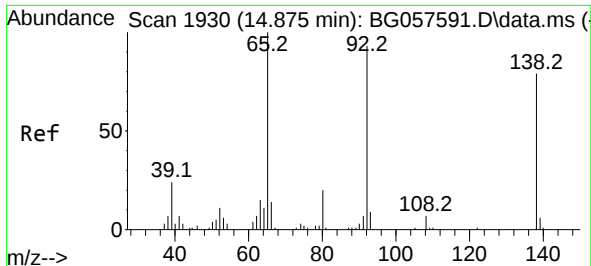


#52  
Acenaphthene  
Concen: 46.564 ng  
RT: 15.022 min Scan# 1955  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion:154 Resp: 207751  
Ion Ratio Lower Upper  
154 100  
153 114.2 87.4 131.0  
152 53.7 40.2 60.4





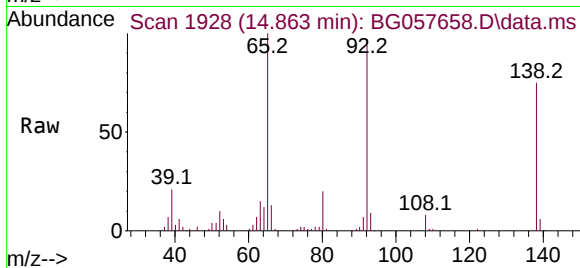
#53  
3-Nitroaniline  
Concen: 32.418 ng  
RT: 14.863 min Scan# 1930  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:138 Resp: 47715  
Ion Ratio Lower Upper  
138 100  
108 10.8 7.1 10.7  
92 128.5 94.9 142.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh

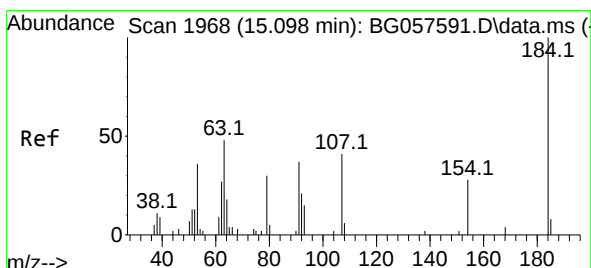
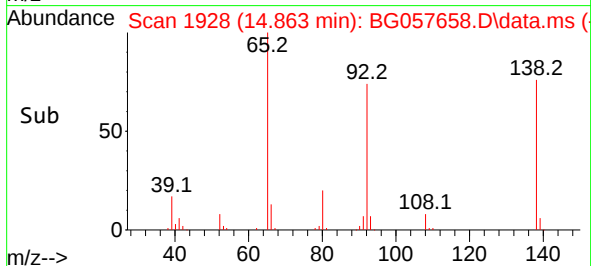
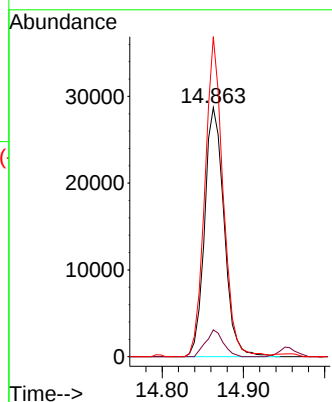
Patel

06/09/2023

Supervised By :mohammad

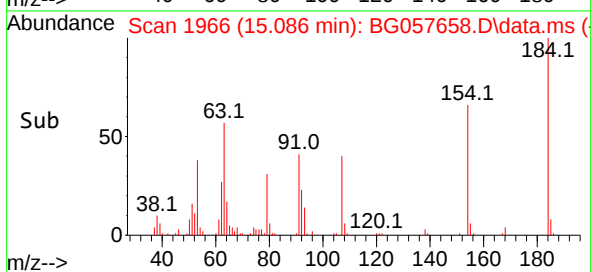
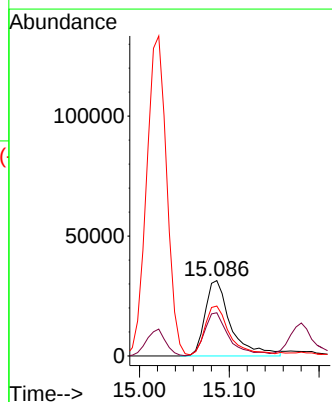
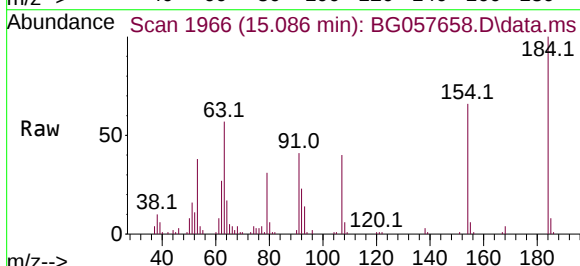
ahmed

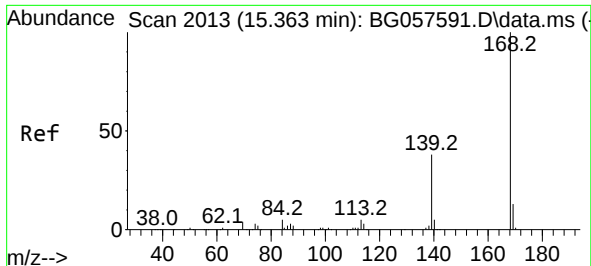
06/13/2023



#54  
2,4-Dinitrophenol  
Concen: 74.092 ng  
RT: 15.086 min Scan# 1966  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:184 Resp: 62528  
Ion Ratio Lower Upper  
184 100  
63 57.4 41.4 62.2  
154 66.2 52.5 78.7





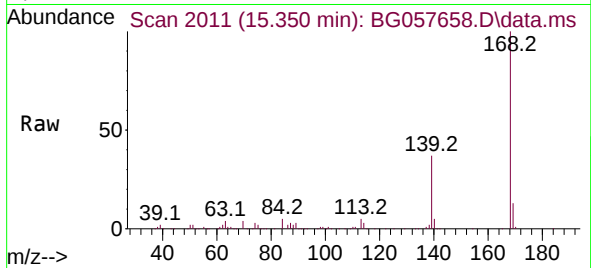
#55  
Dibenzenofuran  
Concen: 45.405 ng  
RT: 15.350 min Scan# 2013  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:168 Resp: 34614  
Ion Ratio Lower Upper  
168 100  
139 36.7 30.6 46.0  
169 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh

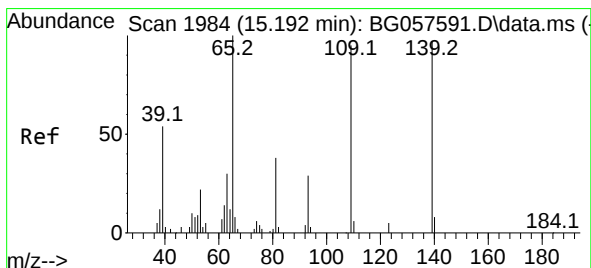
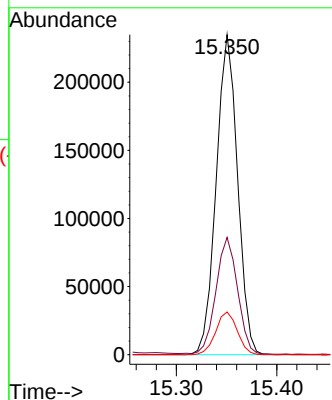
Patel

06/09/2023

Supervised By :mohammad

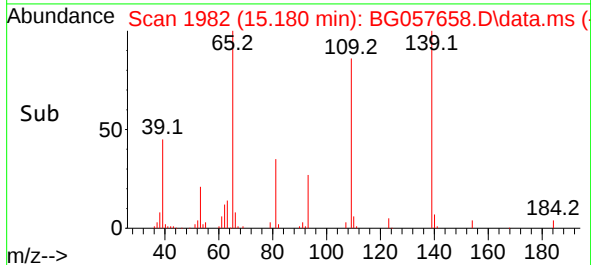
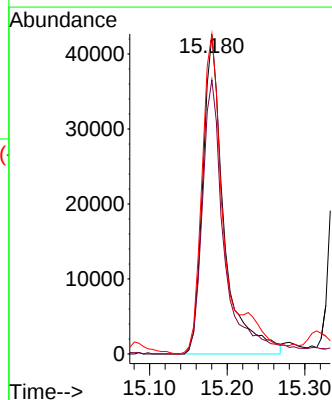
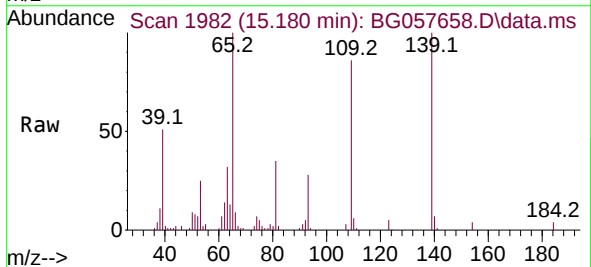
ahmed

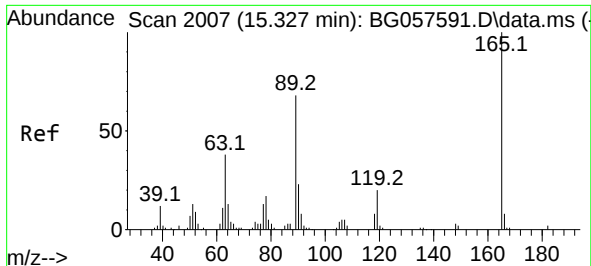
06/13/2023



#56  
4-Nitrophenol  
Concen: 82.078 ng  
RT: 15.180 min Scan# 1982  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:139 Resp: 80492  
Ion Ratio Lower Upper  
139 100  
109 86.0 78.2 118.2  
65 100.4 83.2 123.2





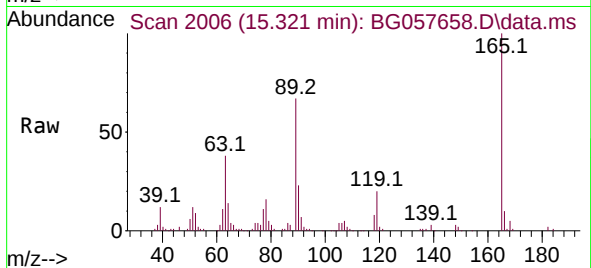
#57  
2,4-Dinitrotoluene  
Concen: 44.951 ng  
RT: 15.321 min Scan# 2007  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:165 Resp: 9497  
Ion Ratio Lower Upper  
165 100  
63 38.0 30.6 45.8  
89 67.2 54.2 81.2  
182 2.4 1.6 2.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh

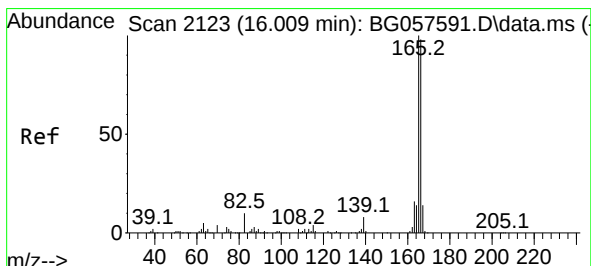
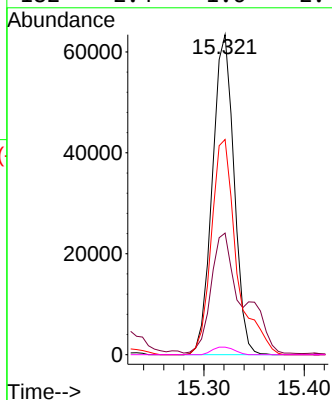
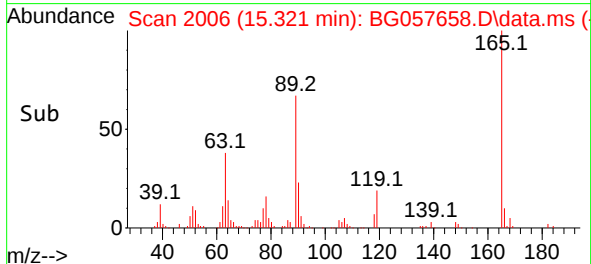
Patel

06/09/2023

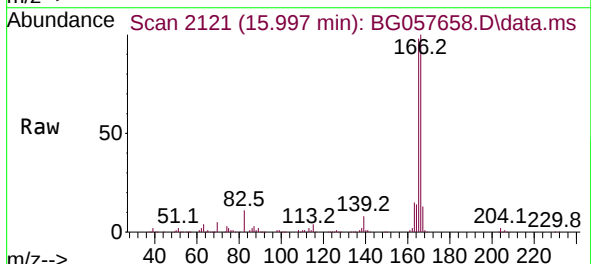
Supervised By :mohammad

ahmed

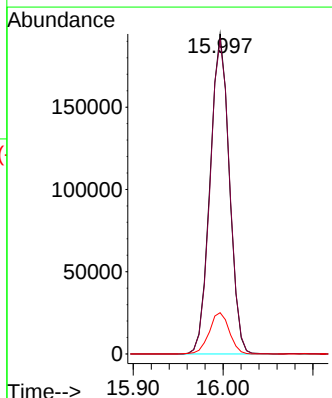
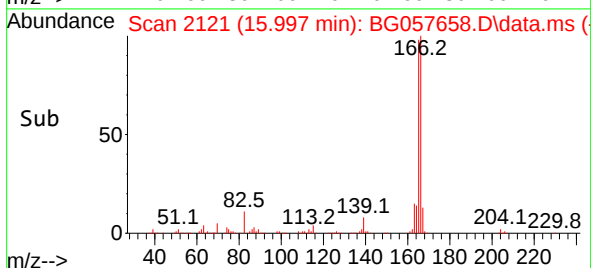
06/13/2023

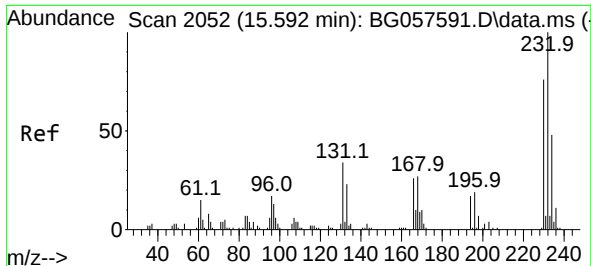


#58  
Fluorene  
Concen: 44.867 ng  
RT: 15.997 min Scan# 2121  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion:166 Resp: 288799  
Ion Ratio Lower Upper  
166 100  
165 98.0 81.2 121.8  
167 12.9 11.1 16.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.511 ng  
RT: 15.580 min Scan# 2052  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS

Tgt Ion:232 Resp: 8024  
Ion Ratio Lower Upper  
232 100  
131 38.8 28.6 43.0  
130 1.7 1.8 2.6  
166 26.6 21.5 32.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh

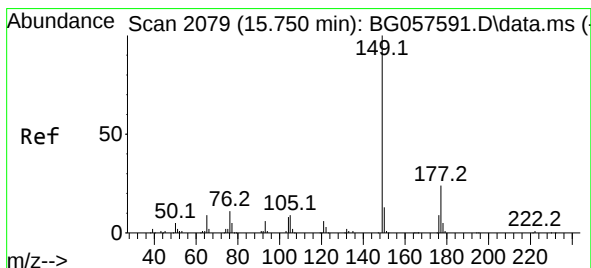
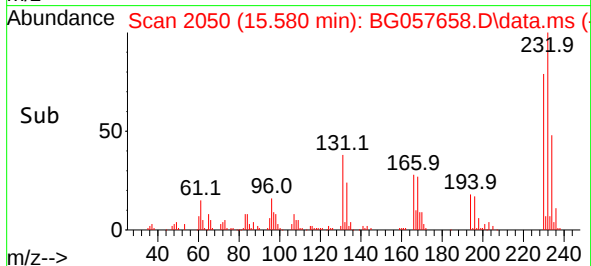
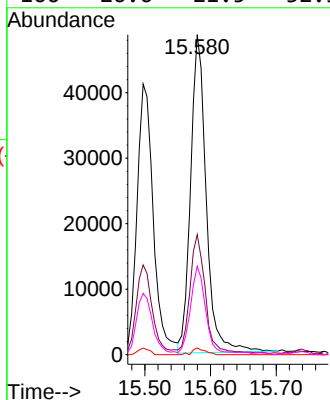
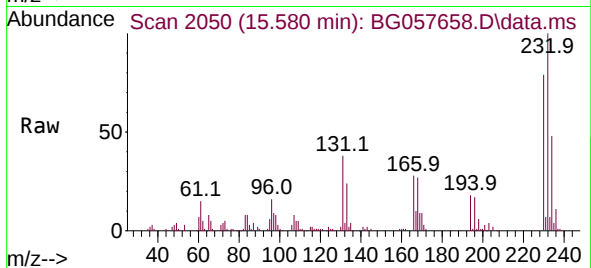
Patel

06/09/2023

Supervised By :mohammad

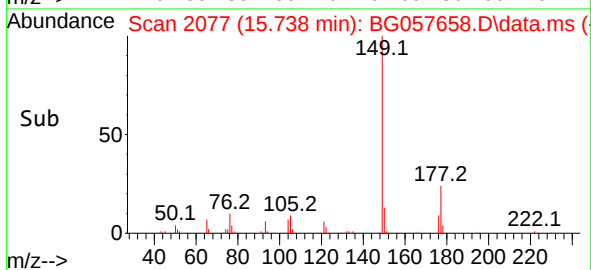
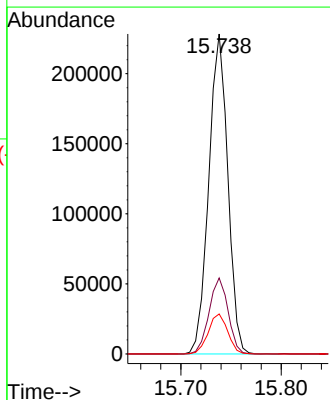
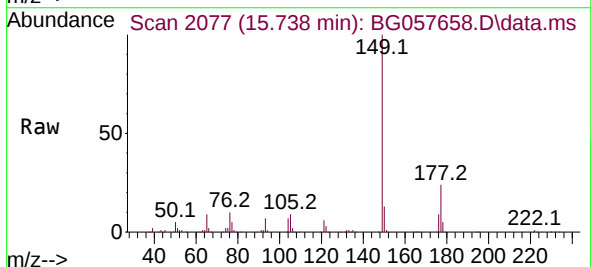
ahmed

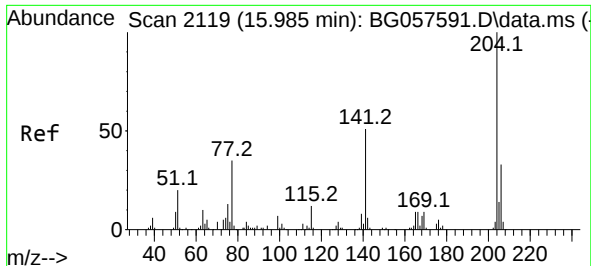
06/13/2023



#60  
Diethylphthalate  
Concen: 43.705 ng  
RT: 15.738 min Scan# 2077  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:149 Resp: 300722  
Ion Ratio Lower Upper  
149 100  
177 23.8 19.0 28.6  
150 12.5 10.1 15.1





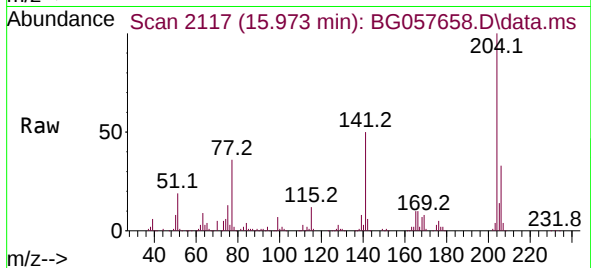
#61  
4-Chlorophenyl-phenylether  
Concen: 44.614 ng  
RT: 15.973 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:204 Resp: 16004  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.6 39.8  
141 50.5 40.8 61.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh

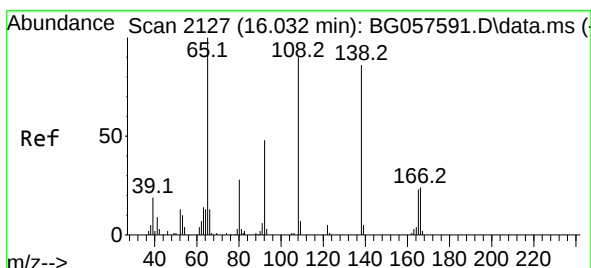
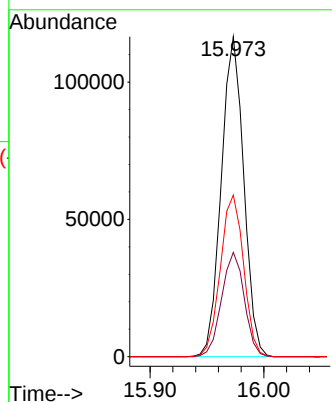
Patel

06/09/2023

Supervised By :mohammad

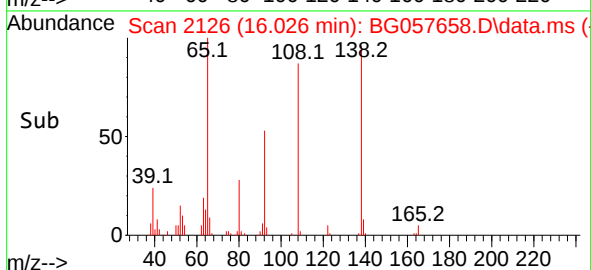
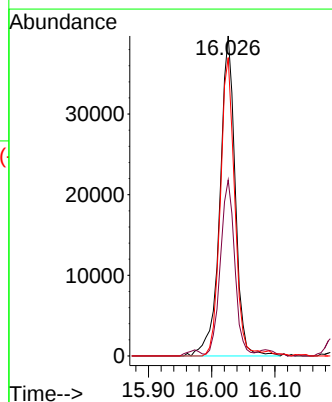
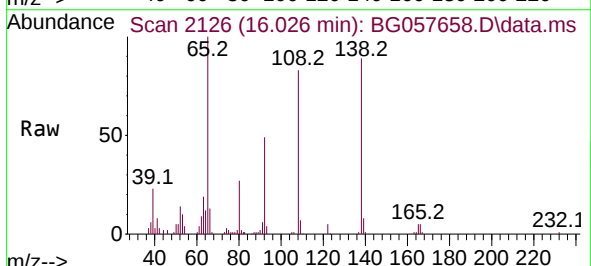
ahmed

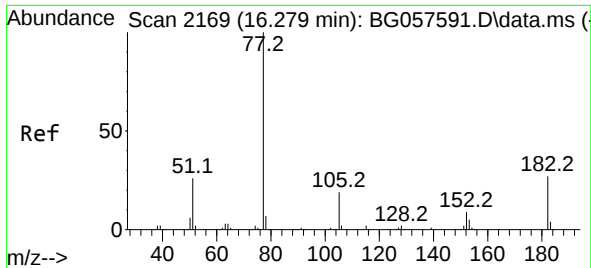
06/13/2023



#62  
4-Nitroaniline  
Concen: 42.203 ng  
RT: 16.026 min Scan# 2126  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:138 Resp: 67007  
Ion Ratio Lower Upper  
138 100  
92 55.0 36.4 76.4  
108 93.2 85.4 125.4





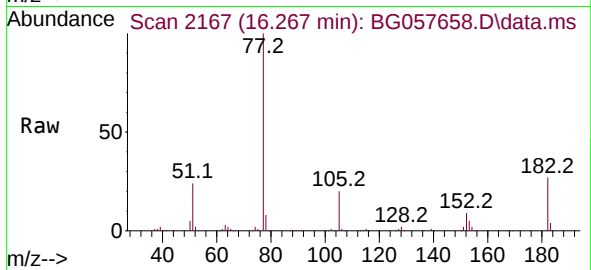
#63  
Azobenzene  
Concen: 45.821 ng  
RT: 16.267 min Scan# 2167  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion: 77 Resp: 28038  
Ion Ratio Lower Upper  
77 100  
182 27.0 7.4 47.4  
105 20.1 0.0 39.4  
51 23.8 6.2 46.2

Manual Integrations

APPROVED

Reviewed By :Yogesh

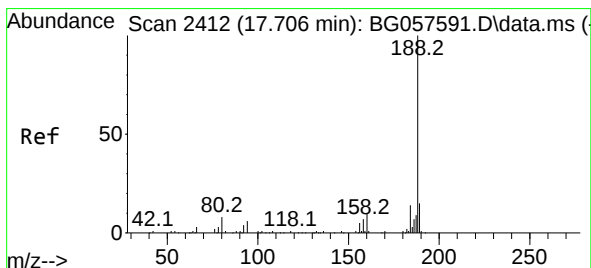
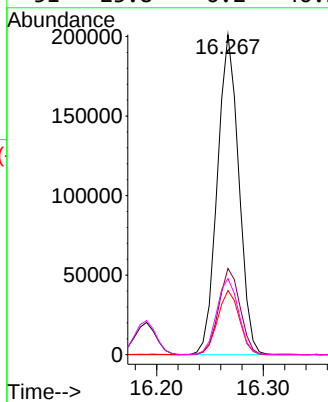
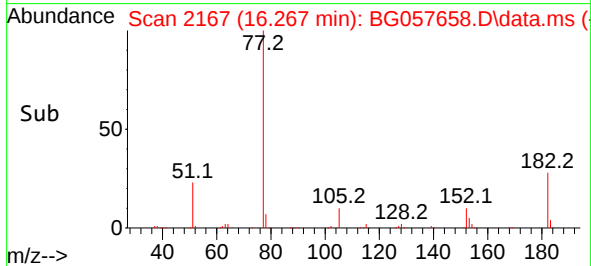
Patel

06/09/2023

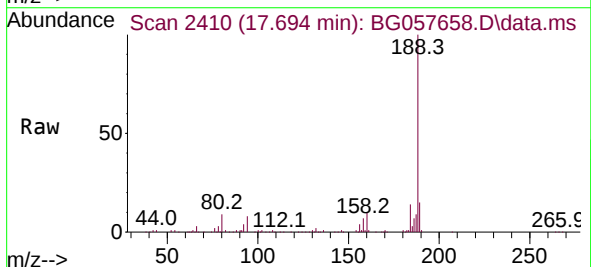
Supervised By :mohammad

ahmed

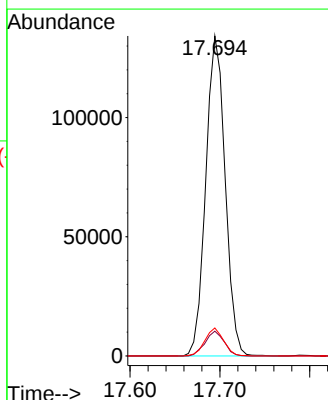
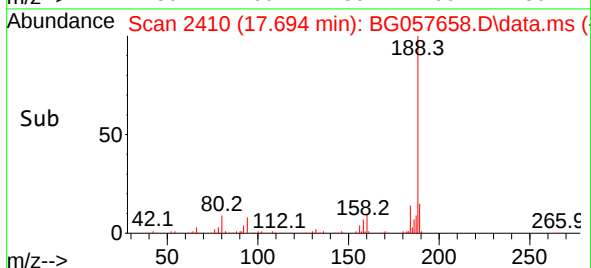
06/13/2023

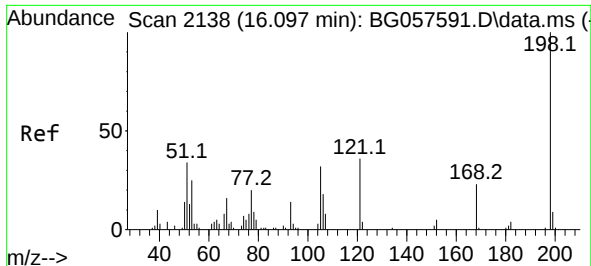


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.694 min Scan# 2410  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



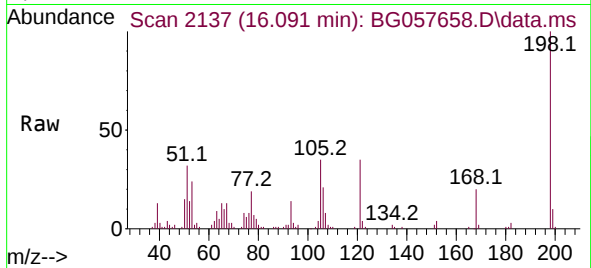
Tgt Ion:188 Resp: 201022  
Ion Ratio Lower Upper  
188 100  
94 7.8 5.2 7.8  
80 8.8 6.7 10.1





#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.653 ng  
RT: 16.091 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

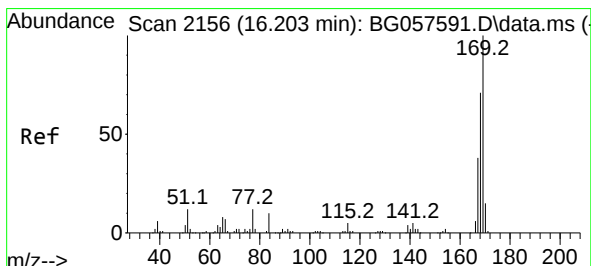
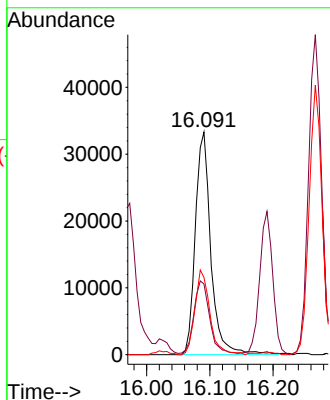
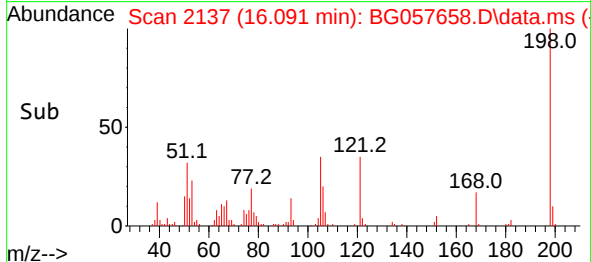


Tgt Ion:198 Resp: 5710  
Ion Ratio Lower Upper  
198 100  
51 31.8 14.9 54.9  
105 34.7 11.8 51.8

Manual Integrations  
APPROVED

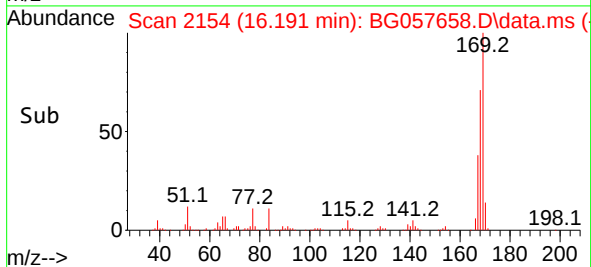
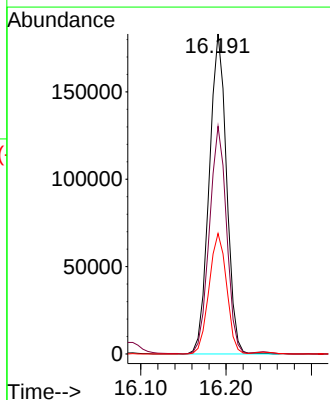
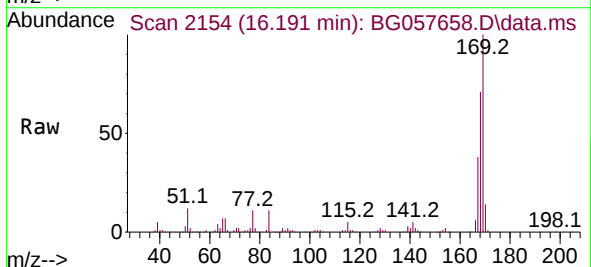
Reviewed By :Yogesh  
Patel  
06/09/2023

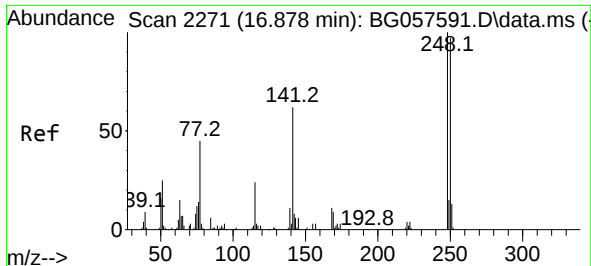
Supervised By :mohammad  
ahmed  
06/13/2023



#66  
n-Nitrosodiphenylamine  
Concen: 49.492 ng  
RT: 16.191 min Scan# 2154  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:169 Resp: 258586  
Ion Ratio Lower Upper  
169 100  
168 71.2 56.7 85.1  
167 37.6 30.7 46.1





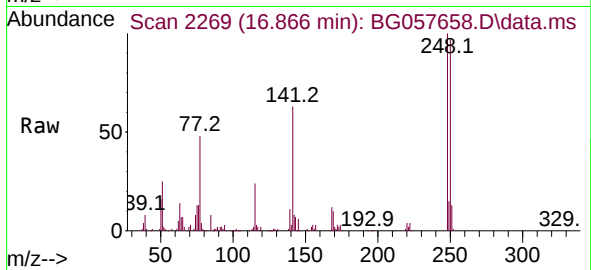
#67  
4-Bromophenyl-phenylether  
Concen: 48.053 ng  
RT: 16.866 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:248 Resp: 108350  
Ion Ratio Lower Upper  
248 100  
250 96.9 77.4 116.2  
141 63.2 49.4 74.0

Manual Integrations  
APPROVED

Reviewed By :Yogesh

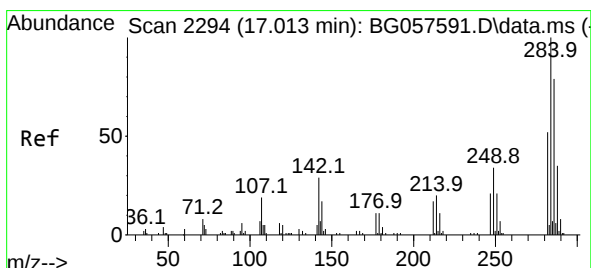
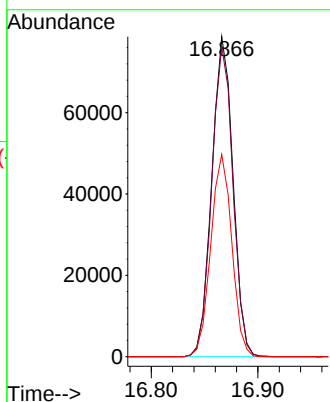
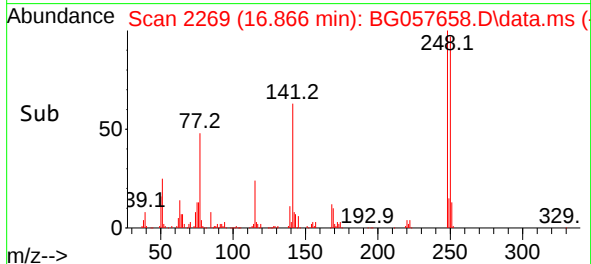
Patel

06/09/2023

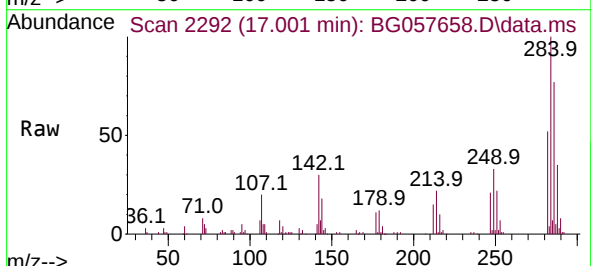
Supervised By :mohammad

ahmed

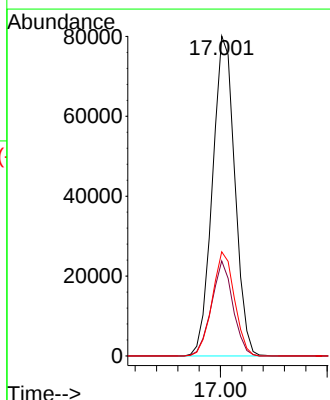
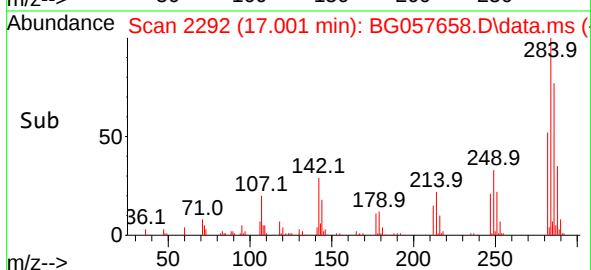
06/13/2023

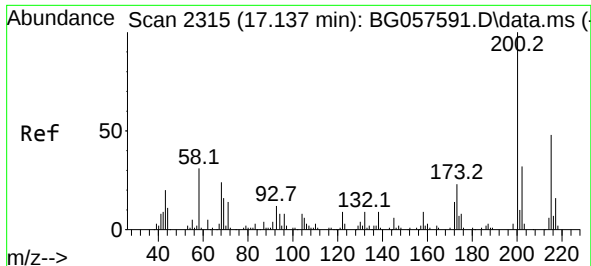


#68  
Hexachlorobenzene  
Concen: 50.019 ng  
RT: 17.001 min Scan# 2292  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



Tgt Ion:284 Resp: 116264  
Ion Ratio Lower Upper  
284 100  
142 29.7 22.9 34.3  
249 32.5 27.0 40.4





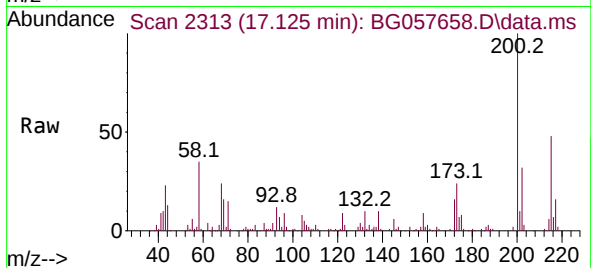
#69  
**Atrazine**  
 Concen: 50.596 ng  
 RT: 17.125 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: BG057658.D  
 Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:200 Resp: 11349  
 Ion Ratio Lower Upper  
 200 100  
 173 24.3 3.2 43.2  
 215 48.1 28.4 68.4

Manual Integrations  
**APPROVED**

Reviewed By :Yogesh

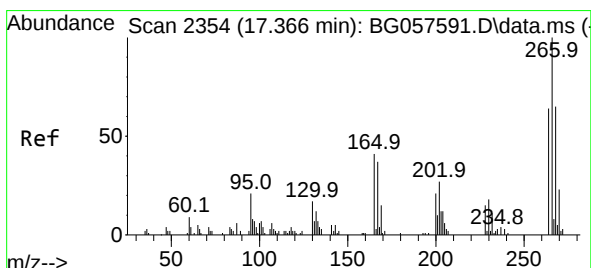
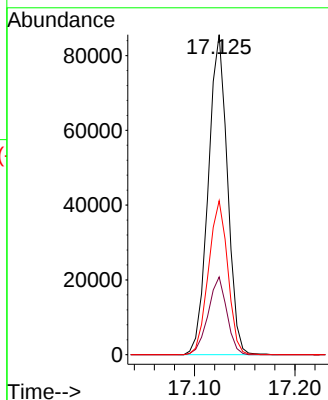
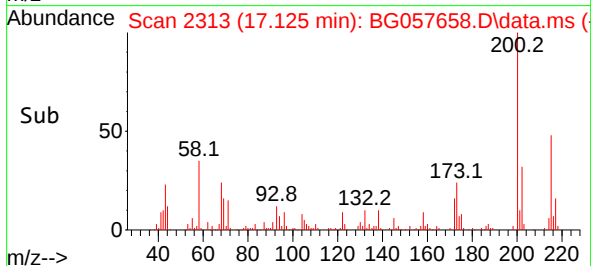
Patel

06/09/2023

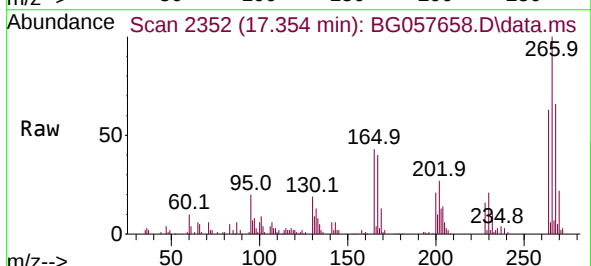
Supervised By :mohammad

ahmed

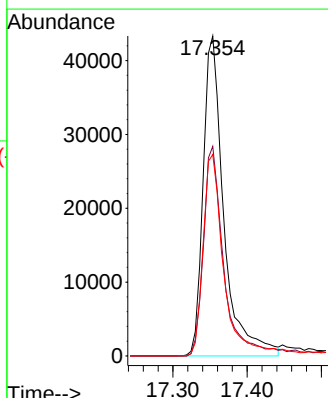
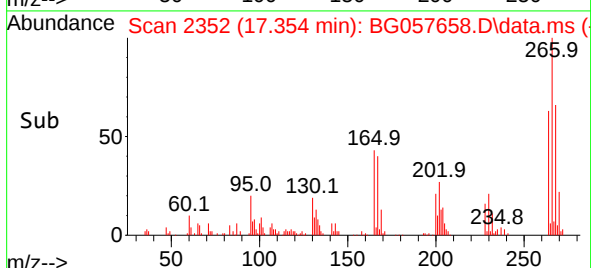
06/13/2023

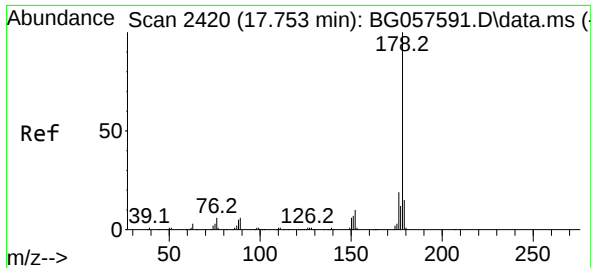


#70  
**Pentachlorophenol**  
 Concen: 70.848 ng  
 RT: 17.354 min Scan# 2352  
 Delta R.T. -0.003 min  
 Lab File: BG057658.D  
 Acq: 7 Jun 2023 5:57



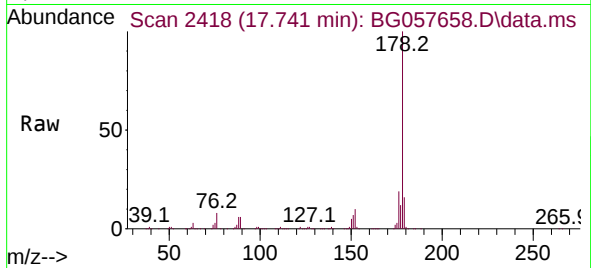
Tgt Ion:266 Resp: 83909  
 Ion Ratio Lower Upper  
 266 100  
 268 65.5 52.2 78.4  
 264 63.0 51.2 76.8





#71  
Phenanthrene  
Concen: 47.146 ng  
RT: 17.741 min Scan# 2420  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

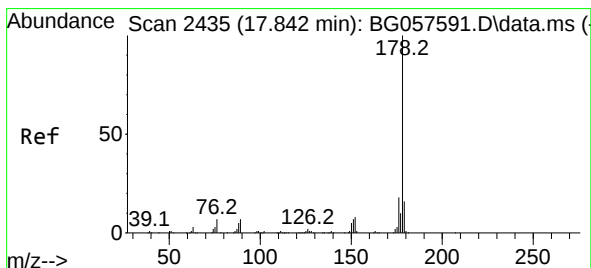
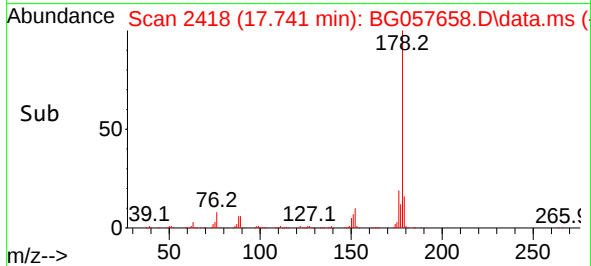
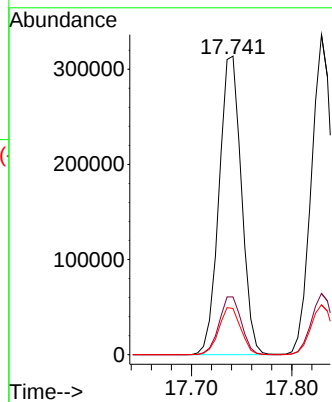


Tgt Ion:178 Resp: 484994  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.5 12.0 18.0

Manual Integrations  
APPROVED

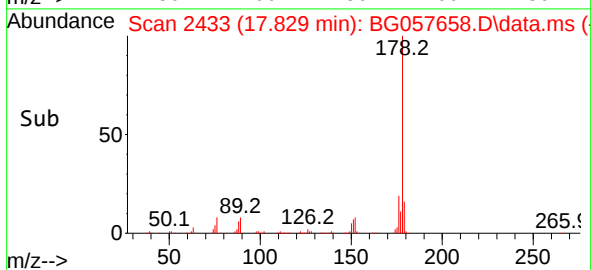
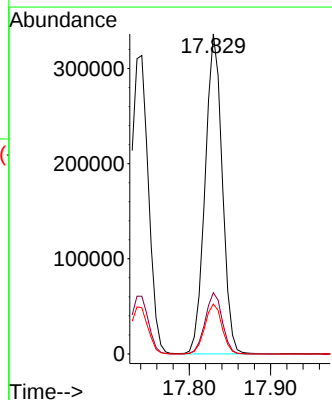
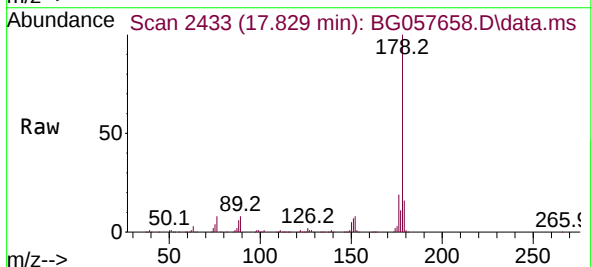
Reviewed By :Yogesh  
Patel  
06/09/2023

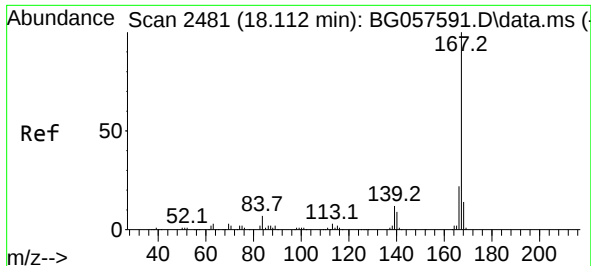
Supervised By :mohammad  
ahmed  
06/13/2023



#72  
Anthracene  
Concen: 46.606 ng  
RT: 17.829 min Scan# 2433  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

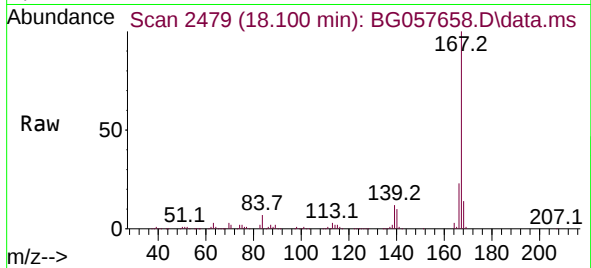
Tgt Ion:178 Resp: 491839  
Ion Ratio Lower Upper  
178 100  
176 19.2 14.6 22.0  
179 15.6 12.6 18.8





#73  
 Carbazole  
 Concen: 47.534 ng  
 RT: 18.100 min Scan# 2481  
 Delta R.T. 0.003 min  
 Lab File: BG057658.D  
 Acq: 7 Jun 2023 5:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB153132BS

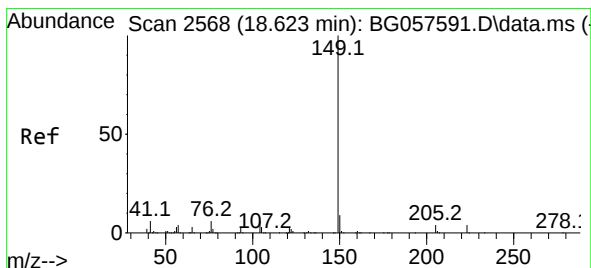
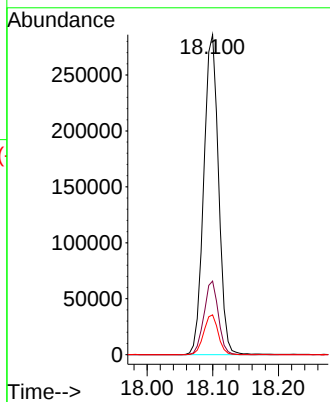
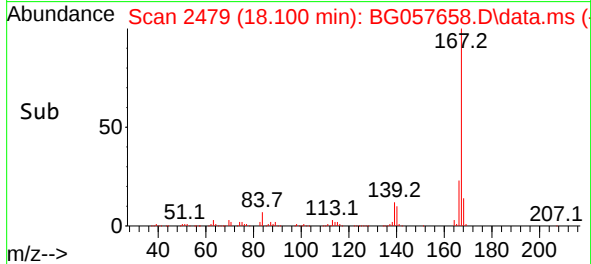


Tgt Ion:167 Resp: 44875  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 17.9 26.9  
 139 12.5 9.6 14.4

Manual Integrations  
 APPROVED

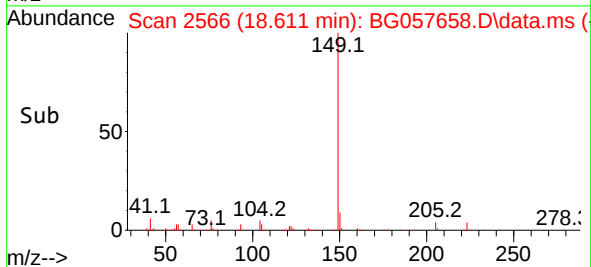
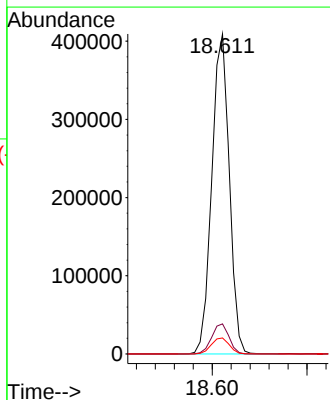
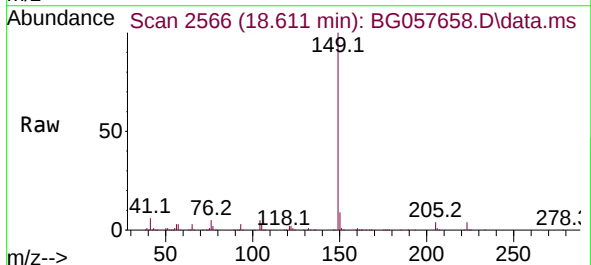
Reviewed By :Yogesh  
 Patel  
 06/09/2023

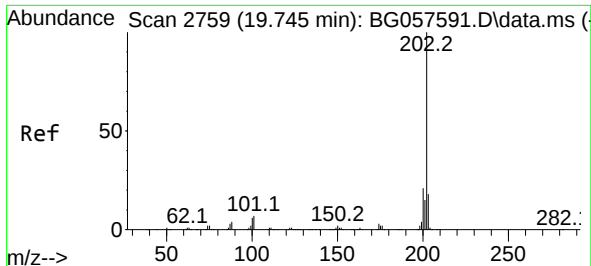
Supervised By :mohammad  
 ahmed  
 06/13/2023



#74  
 Di-n-butylphthalate  
 Concen: 46.635 ng  
 RT: 18.611 min Scan# 2566  
 Delta R.T. -0.003 min  
 Lab File: BG057658.D  
 Acq: 7 Jun 2023 5:57

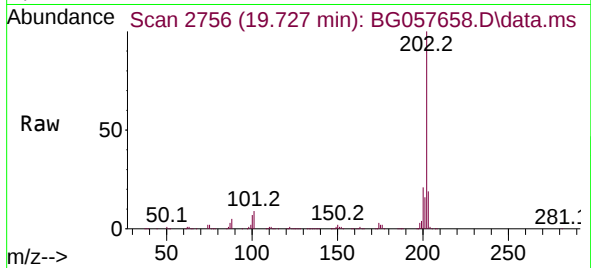
Tgt Ion:149 Resp: 522653  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.3 10.9  
 104 5.0 4.6 6.8





#75  
Fluoranthene  
Concen: 44.823 ng  
RT: 19.727 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

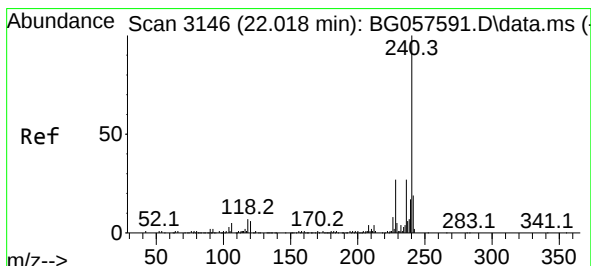
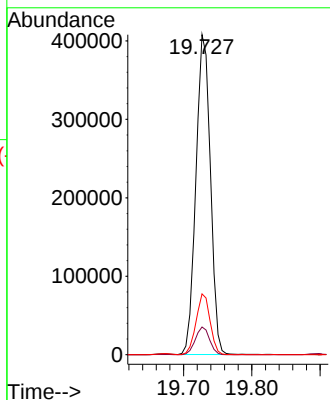
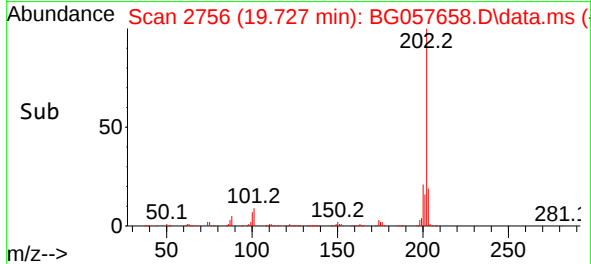


Tgt Ion:202 Resp: 59860  
Ion Ratio Lower Upper  
202 100  
101 8.7 0.0 27.5  
203 19.0 0.0 38.4

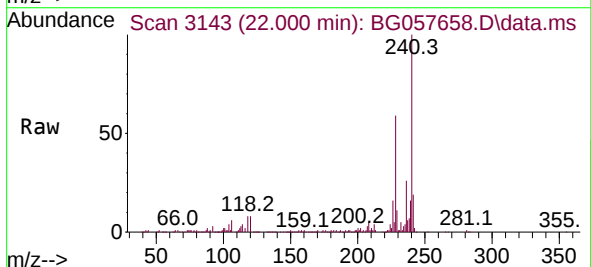
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel  
06/09/2023

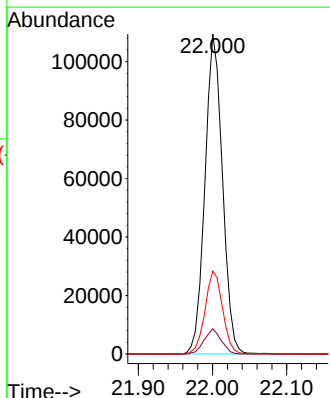
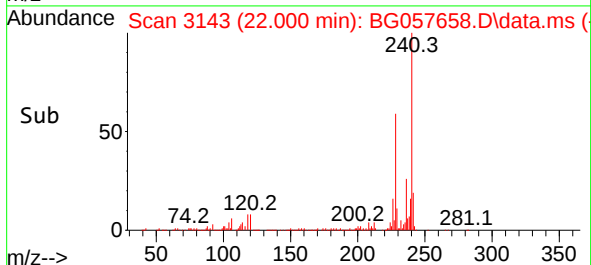
Supervised By :mohammad  
ahmed  
06/13/2023

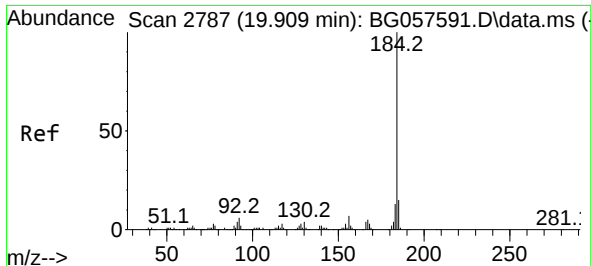


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.000 min Scan# 3143  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57



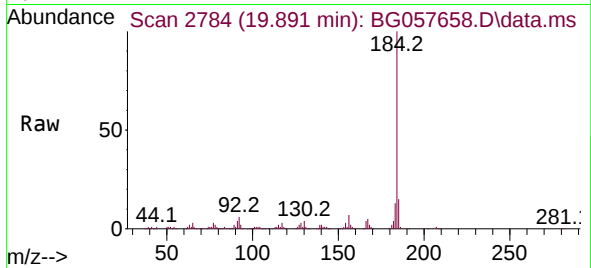
Tgt Ion:240 Resp: 179515  
Ion Ratio Lower Upper  
240 100  
120 7.9 5.2 7.8#  
236 25.9 21.4 32.0





#77  
Benzidine  
Concen: 50.711 ng  
RT: 19.891 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

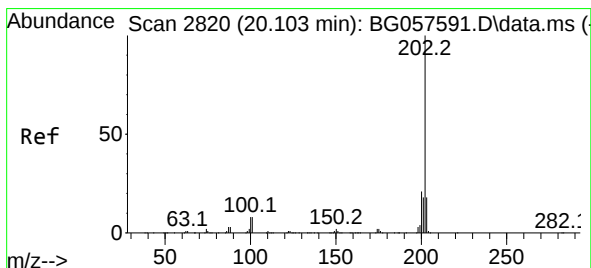
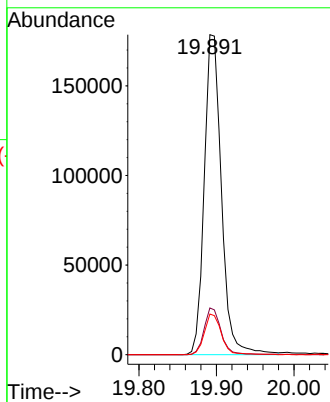
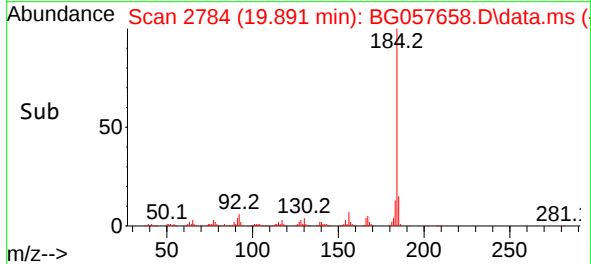


Tgt Ion:184 Resp: 27547  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.0 18.0  
183 12.7 10.0 15.0

Manual Integrations  
APPROVED

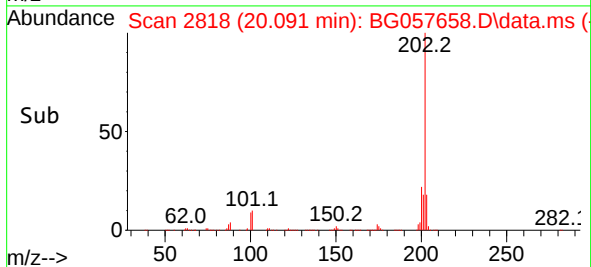
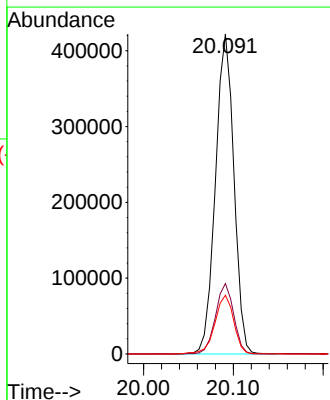
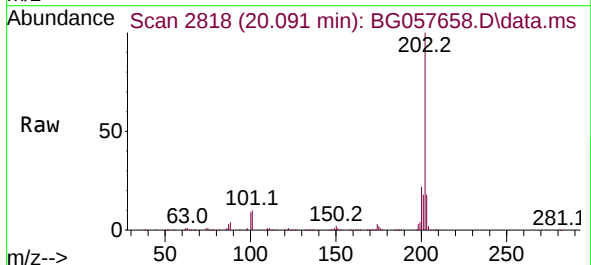
Reviewed By :Yogesh  
Patel  
06/09/2023

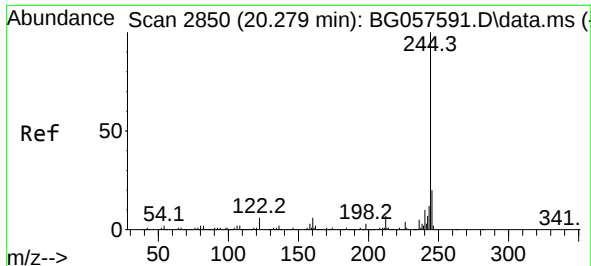
Supervised By :mohammad  
ahmed  
06/13/2023



#78  
Pyrene  
Concen: 47.054 ng  
RT: 20.091 min Scan# 2818  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:202 Resp: 601441  
Ion Ratio Lower Upper  
202 100  
200 22.0 16.8 25.2  
203 18.4 14.5 21.7





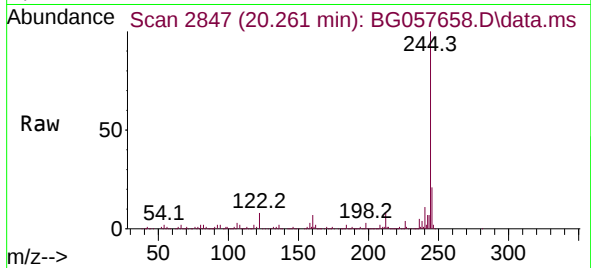
#79  
 Terphenyl-d14  
 Concen: 98.001 ng  
 RT: 20.261 min Scan# 2847  
 Delta R.T. -0.003 min  
 Lab File: BG057658.D  
 Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:244 Resp: 101561  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 5.6 8.4  
 122 7.6 4.8 7.2

Manual Integrations  
 APPROVED

Reviewed By :Yogesh

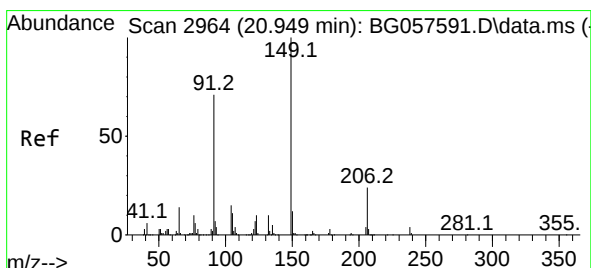
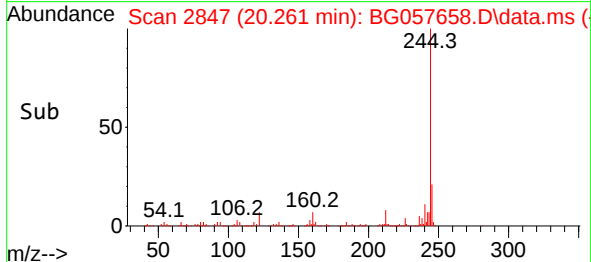
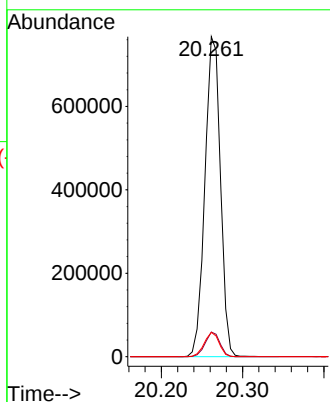
Patel

06/09/2023

Supervised By :mohammad

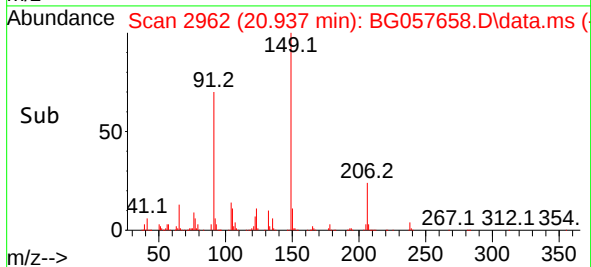
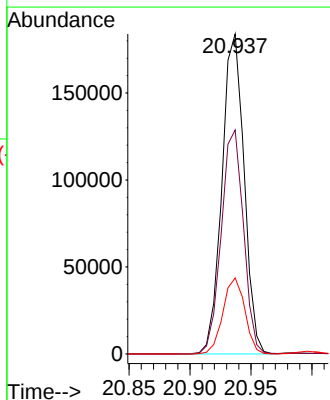
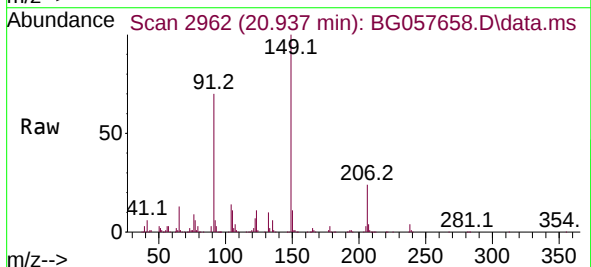
ahmed

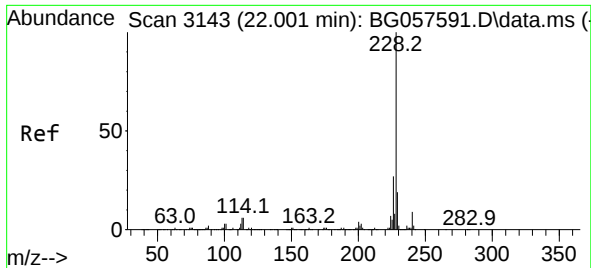
06/13/2023



#80  
 Butylbenzylphthalate  
 Concen: 49.873 ng  
 RT: 20.937 min Scan# 2962  
 Delta R.T. -0.003 min  
 Lab File: BG057658.D  
 Acq: 7 Jun 2023 5:57

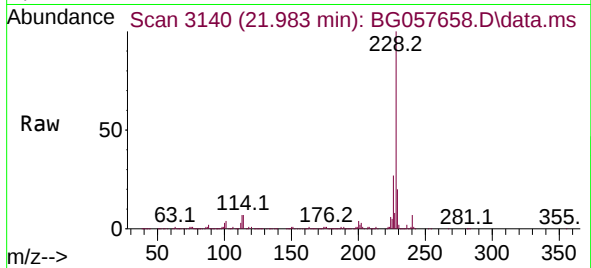
Tgt Ion:149 Resp: 232164  
 Ion Ratio Lower Upper  
 149 100  
 91 70.0 57.0 85.6  
 206 23.8 19.4 29.2





#81  
Benzo(a)anthracene  
Concen: 47.801 ng  
RT: 21.983 min Scan# 3143  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

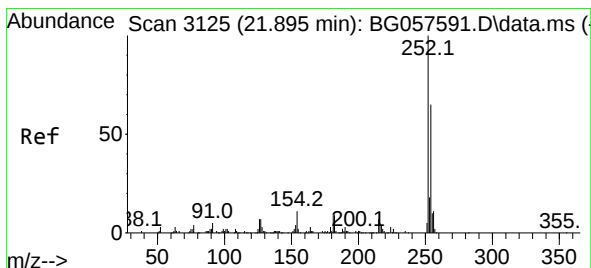
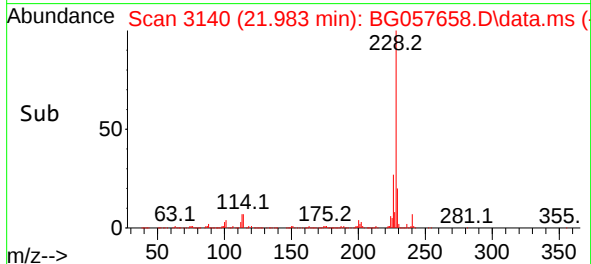
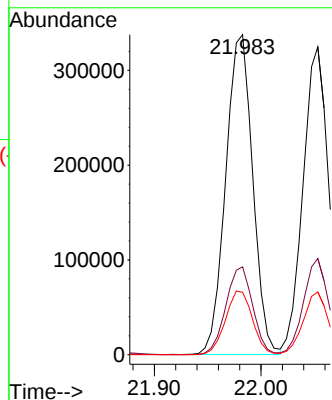


Tgt Ion:228 Resp: 59532  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.4 32.0  
229 19.5 15.4 23.2

Manual Integrations  
APPROVED

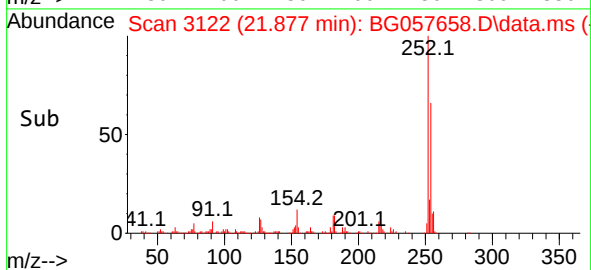
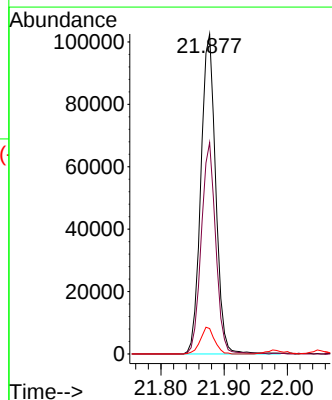
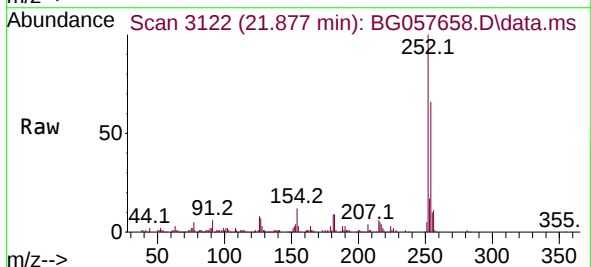
Reviewed By :Yogesh  
Patel  
06/09/2023

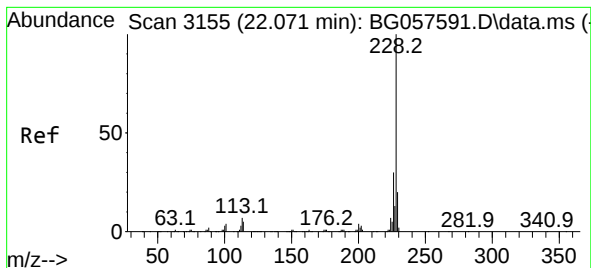
Supervised By :mohammad  
ahmed  
06/13/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 36.249 ng  
RT: 21.877 min Scan# 3122  
Delta R.T. 0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:252 Resp: 166480  
Ion Ratio Lower Upper  
252 100  
254 66.1 51.8 77.8  
126 8.0 5.4 8.2





#83

Chrysene

Concen: 45.984 ng

RT: 22.053 min Scan# 3112

Delta R.T. -0.003 min

Lab File: BG057658.D

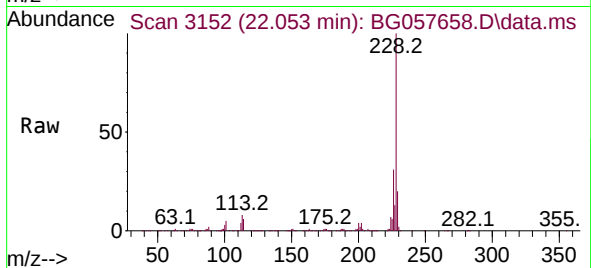
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:228 Resp: 541200

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.2  | 24.3  | 36.5  |
| 229 | 20.4  | 16.0  | 24.0  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh

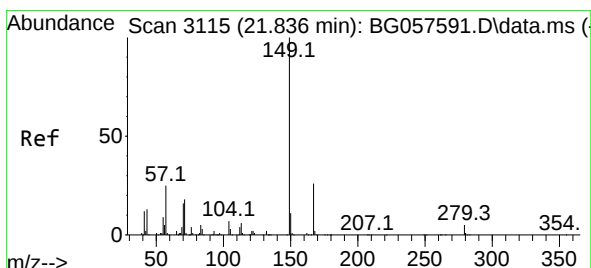
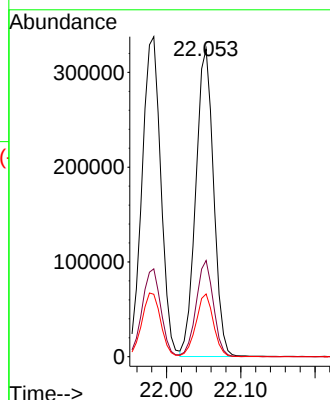
Patel

06/09/2023

Supervised By :mohammad

ahmed

06/13/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.038 ng

RT: 21.818 min Scan# 3112

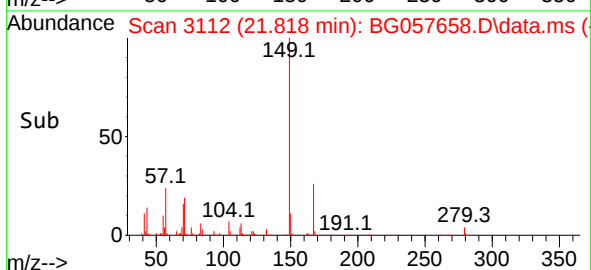
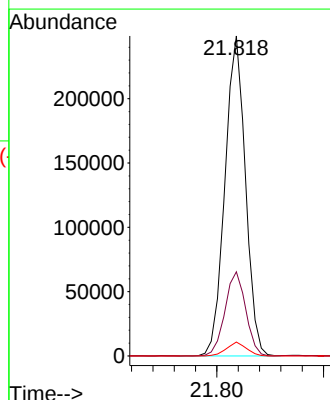
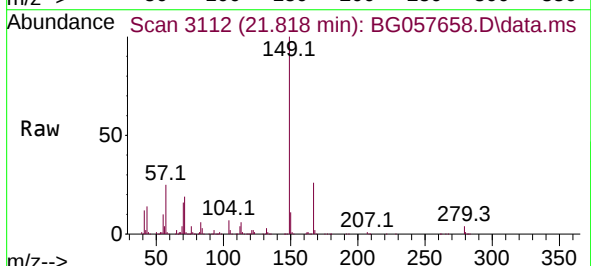
Delta R.T. -0.003 min

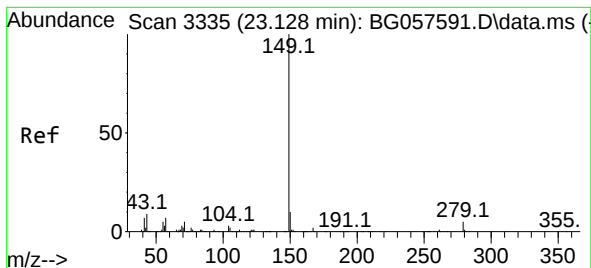
Lab File: BG057658.D

Acq: 7 Jun 2023 5:57

Tgt Ion:149 Resp: 332264

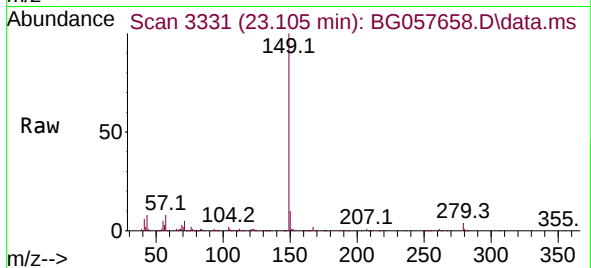
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.3  | 20.6  | 31.0  |
| 279 | 4.4   | 3.6   | 5.4   |





#85  
Di-n-octyl phthalate  
Concen: 51.135 ng  
RT: 23.105 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

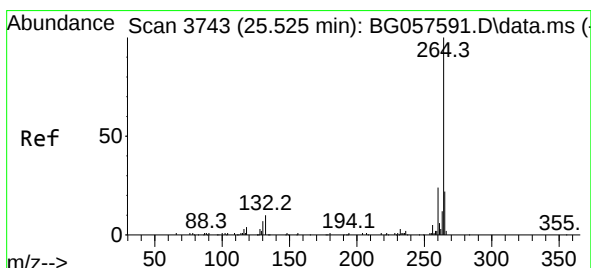
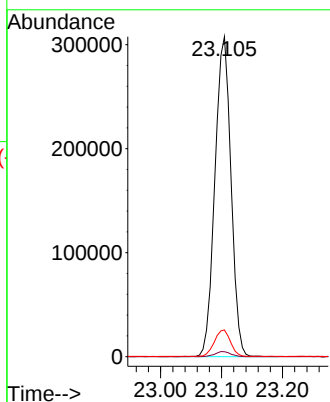
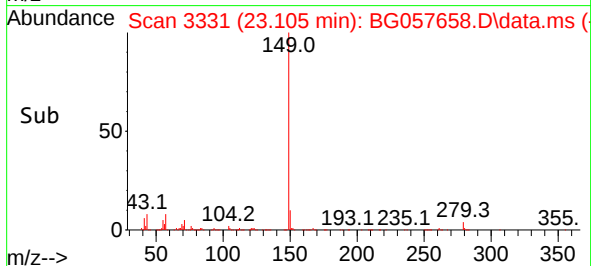


Tgt Ion:149 Resp: 56281  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.2 7.0 10.4

Manual Integrations  
APPROVED

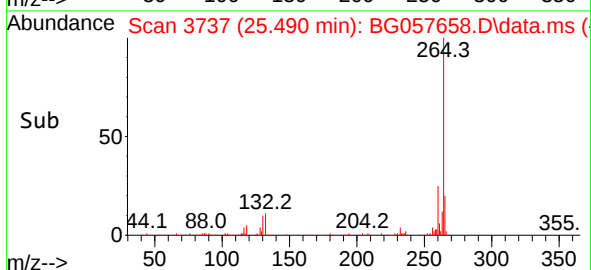
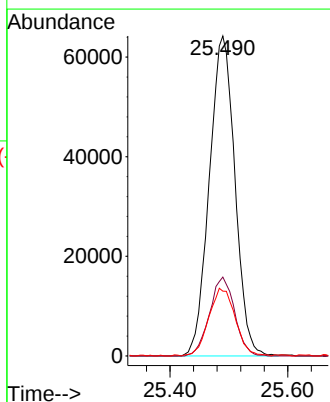
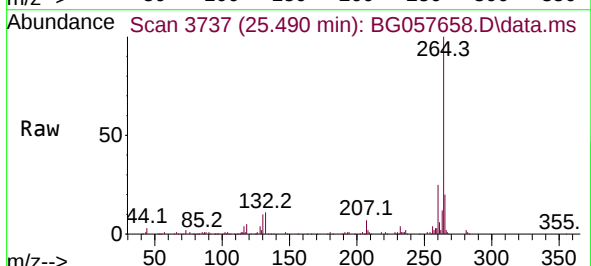
Reviewed By :Yogesh  
Patel  
06/09/2023

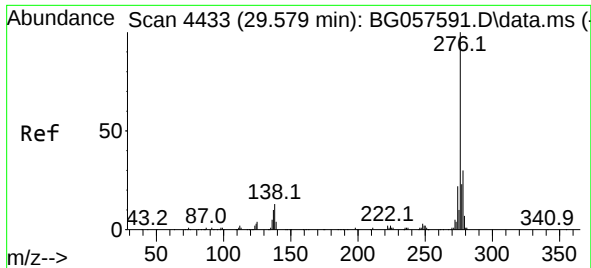
Supervised By :mohammad  
ahmed  
06/13/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.490 min Scan# 3737  
Delta R.T. -0.009 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:264 Resp: 194054  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.1 28.7  
265 20.3 17.7 26.5





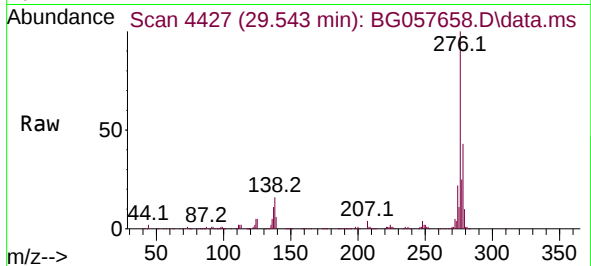
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.480 ng  
RT: 29.543 min Scan# 4433  
Delta R.T. -0.009 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:276 Resp: 669439  
Ion Ratio Lower Upper  
276 100  
138 18.0 12.3 18.5  
277 25.5 20.5 30.7

Manual Integrations  
APPROVED

Reviewed By :Yogesh

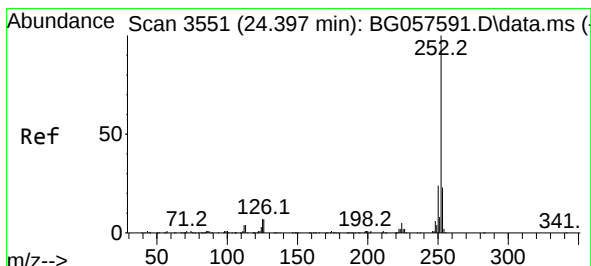
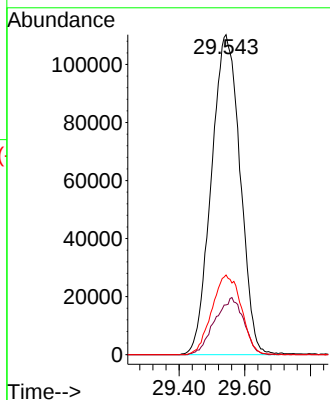
Patel

06/09/2023

Supervised By :mohammad

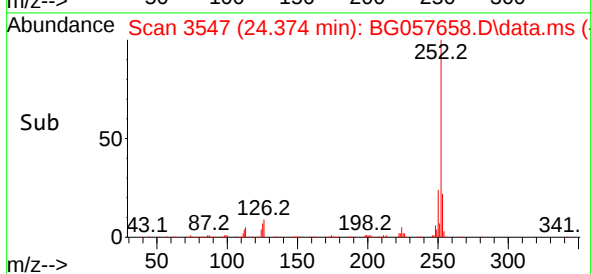
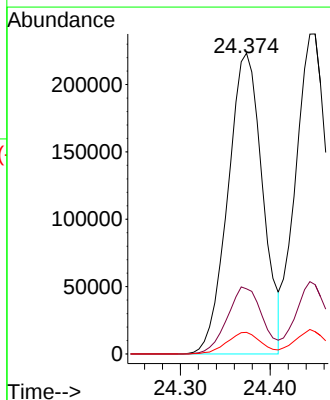
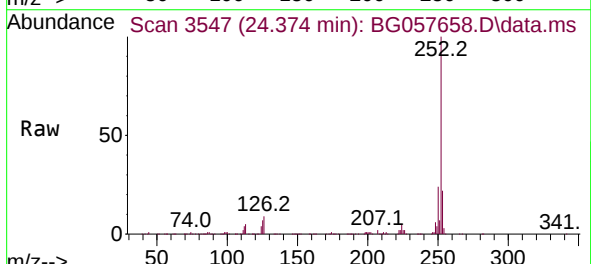
ahmed

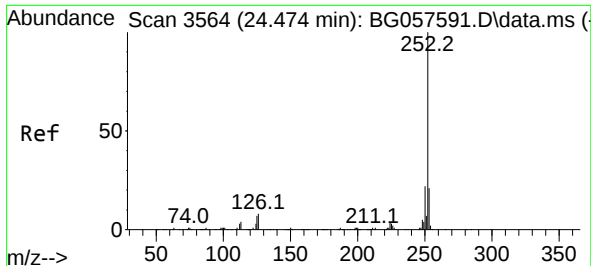
06/13/2023



#88  
Benzo(b)fluoranthene  
Concen: 50.241 ng  
RT: 24.374 min Scan# 3547  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:252 Resp: 600114  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.4 27.6  
125 7.2 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 49.006 ng

RT: 24.450 min Scan# 30

Delta R.T. 0.003 min

Lab File: BG057658.D

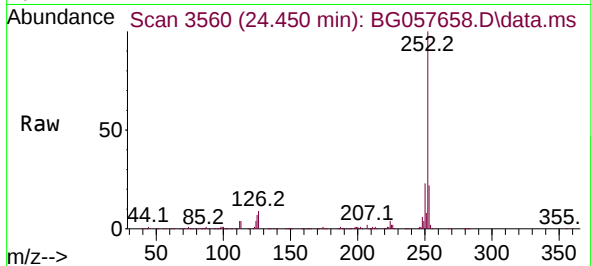
Acq: 7 Jun 2023 5:57

Instrument :

BNA\_G

ClientSampleId :

PB153132BS



Tgt Ion:252 Resp: 590758

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

125 7.0 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh

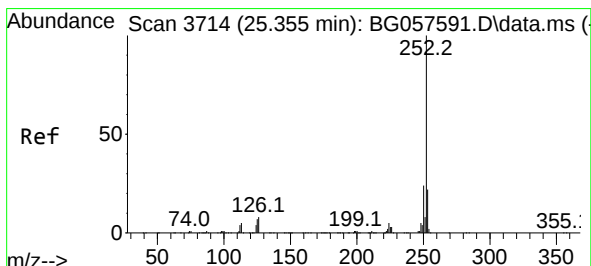
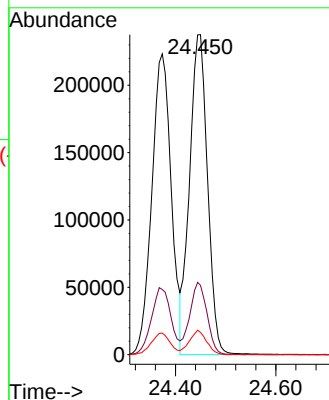
Patel

06/09/2023

Supervised By :mohammad

ahmed

06/13/2023



#90

Benzo(a)pyrene

Concen: 45.481 ng

RT: 25.325 min Scan# 3709

Delta R.T. -0.003 min

Lab File: BG057658.D

Acq: 7 Jun 2023 5:57

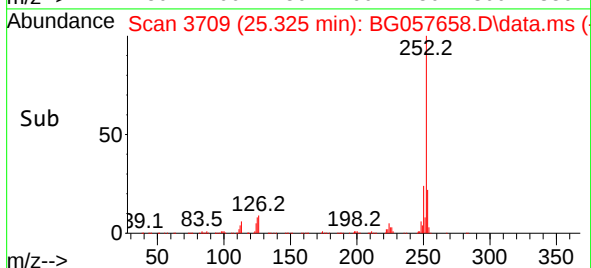
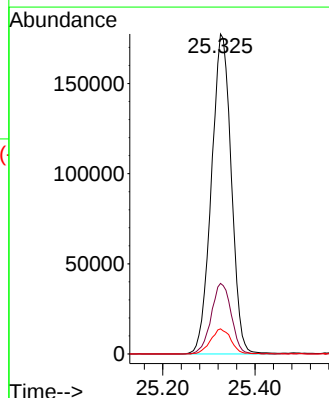
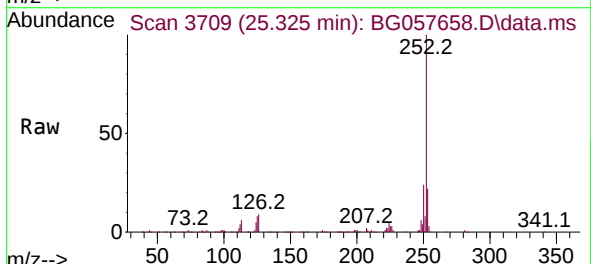
Tgt Ion:252 Resp: 529785

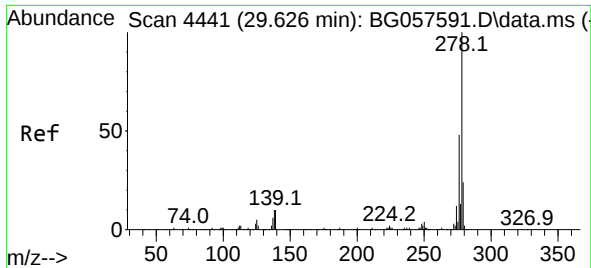
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

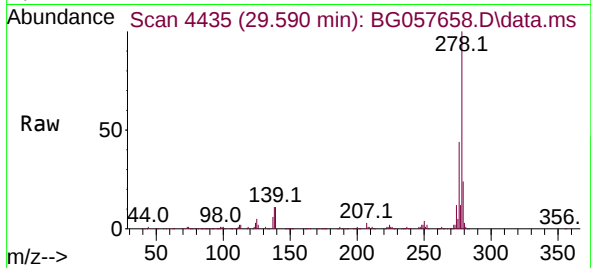
125 7.8 5.3 7.9





#91  
Dibenzo(a,h)anthracene  
Concen: 49.524 ng  
RT: 29.590 min Scan# 4441  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB153132BS

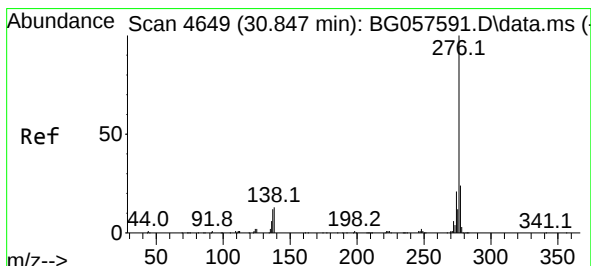
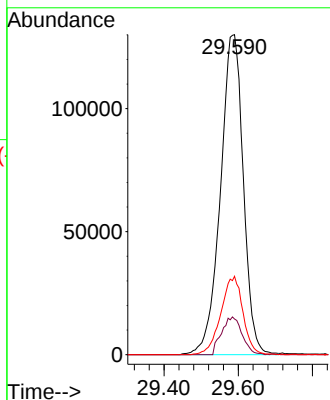
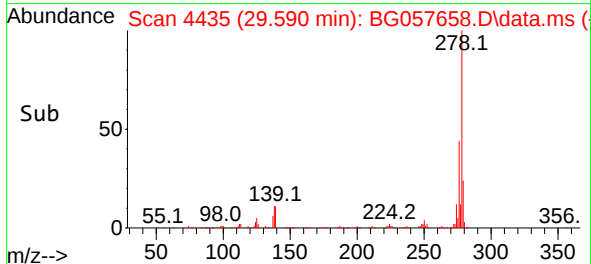


Tgt Ion:278 Resp: 55763  
Ion Ratio Lower Upper  
278 100  
139 11.1 7.8 11.8  
279 24.5 19.1 28.7

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel  
06/09/2023

Supervised By :mohammad  
ahmed  
06/13/2023



#92  
Benzo(g,h,i)perylene  
Concen: 49.336 ng  
RT: 30.806 min Scan# 4642  
Delta R.T. -0.003 min  
Lab File: BG057658.D  
Acq: 7 Jun 2023 5:57

Tgt Ion:276 Resp: 541777  
Ion Ratio Lower Upper  
276 100  
277 22.9 18.9 28.3  
138 13.6 10.2 15.4

