

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
 Data File : BG057714.D  
 Acq On : 14 Jun 2023 19:24  
 Operator : CG/JU  
 Sample : 03167-01MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

TP-4-GAMSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 15 01:23:37 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 03:52:08 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.936  | 152  | 32035    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.739 | 136  | 132454   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.570 | 164  | 88598    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.314 | 188  | 226486   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.573 | 240  | 202182   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.734 | 264  | 255788   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 169913   | 86.364  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.096  | 99   | 234612   | 77.624  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.094  | 82   | 127212   | 63.959  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.056 | 330  | 96959    | 98.092  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.195 | 172  | 294656   | 49.574  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.928 | 244  | 554442   | 50.701  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.418  | 88   | 36595    | 36.536  | ng    | 91       |
| 3) Pyridine                   | 3.806  | 79   | 94992    | 33.502  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.724  | 42   | 55013    | 39.781  | ng    | 90       |
| 6) Aniline                    | 7.261  | 93   | 131953   | 33.276  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.502  | 128  | 88867    | 47.112  | ng    | 95       |
| 9) Benzaldehyde               | 7.073  | 77   | 56926    | 30.557  | ng    | 96       |
| 10) Phenol                    | 7.120  | 94   | 127710   | 43.242  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.361  | 93   | 89900    | 38.837  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.825  | 146  | 92786    | 42.523  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.972  | 146  | 94108    | 43.500  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.289  | 146  | 88725    | 42.209  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.171  | 79   | 90843    | 39.245  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.465  | 45   | 180903   | 35.891  | ng    | 98       |
| 17) 2-Methylphenol            | 8.371  | 107  | 84636    | 38.944  | ng    | 96       |
| 18) Hexachloroethane          | 9.017  | 117  | 32615    | 48.784  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.741  | 70   | 75433    | 34.517  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.700  | 107  | 116138   | 39.084  | ng    | 97       |
| 22) Acetophenone              | 8.759  | 105  | 148241   | 38.525  | ng    | # 97     |
| 24) Nitrobenzene              | 9.141  | 77   | 102762   | 43.560  | ng    | 100      |
| 25) Isophorone                | 9.658  | 82   | 216881   | 35.327  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.852  | 139  | 36689    | 57.352  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 9.905  | 122  | 87533    | 42.699  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.146 | 93   | 120419   | 37.732  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 85208    | 48.998  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.604 | 180  | 89810    | 39.735  | ng    | 95       |
| 31) Naphthalene               | 10.792 | 128  | 273640   | 38.440  | ng    | 99       |
| 32) Benzoic acid              | 10.034 | 122  | 64978    | 81.110  | ng    | 92       |
| 33) 4-Chloroaniline           | 10.892 | 127  | 91878    | 27.722  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.074 | 225  | 55496    | 39.045  | ng    | 97       |
| 35) Caprolactam               | 11.661 | 113  | 34415m   | 47.974  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.014 | 107  | 107360   | 43.578  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.396 | 142  | 187623   | 35.626  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.619 | 142  | 175569   | 35.535  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.760 | 216  | 99762    | 39.777  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.748 | 237  | 119932   | 125.376 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.001 | 196  | 74507    | 46.047  | ng    | 96       |

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Instrument :  
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 TP-4-GAMSD

Quant Time: Jun 15 01:23:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 14 03:52:08 2023  
 Response via : Initial Calibration

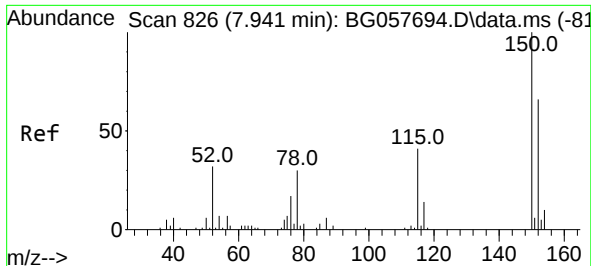
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/15/2023  
 Supervised By :mohammad ahmed 06/16/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.072 | 196  | 82698    | 43.423  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.406 | 154  | 248857   | 40.653  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.448 | 162  | 193308   | 41.781  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.647 | 65   | 69395    | 53.371  | ng    | 99       |
| 49) Acenaphthylene            | 14.294 | 152  | 318288   | 39.669  | ng    | 99       |
| 50) Dimethylphthalate         | 14.029 | 163  | 270172   | 41.589  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.141 | 165  | 51435    | 52.472  | ng    | 86       |
| 52) Acenaphthene              | 14.634 | 154  | 214199m  | 44.536  | ng    |          |
| 53) 3-Nitroaniline            | 14.470 | 138  | 46910    | 43.390  | ng    | # 97     |
| 54) 2,4-Dinitrophenol         | 14.676 | 184  | 48804    | 104.431 | ng    | 96       |
| 55) Dibenzofuran              | 14.969 | 168  | 313497   | 38.832  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.775 | 139  | 104473   | 96.486  | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 71899    | 55.322  | ng    | 96       |
| 58) Fluorene                  | 15.616 | 166  | 251603   | 39.123  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.193 | 232  | 75478    | 47.251  | ng    | 100      |
| 60) Diethylphthalate          | 15.392 | 149  | 279658   | 41.704  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.610 | 204  | 131711   | 38.228  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.633 | 138  | 62168    | 50.203  | ng    | 94       |
| 63) Azobenzene                | 15.904 | 77   | 295065   | 40.923  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 198  | 36621    | 62.074  | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 15.827 | 169  | 227191   | 38.373  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.509 | 248  | 88179    | 38.236  | ng    | 94       |
| 68) Hexachlorobenzene         | 16.620 | 284  | 96170    | 39.903  | ng    | 97       |
| 69) Atrazine                  | 16.773 | 200  | 98939    | 50.228  | ng    | 96       |
| 70) Pentachlorophenol         | 16.961 | 266  | 132307   | 91.440  | ng    | 96       |
| 71) Phenanthrene              | 17.355 | 178  | 434423   | 39.308  | ng    | 99       |
| 72) Anthracene                | 17.449 | 178  | 440629   | 39.356  | ng    | 100      |
| 73) Carbazole                 | 17.713 | 167  | 439719   | 42.408  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.283 | 149  | 532704   | 46.351  | ng    | 99       |
| 75) Fluoranthene              | 19.370 | 202  | 545526   | 40.974  | ng    | 99       |
| 77) Benzidine                 | 19.546 | 184  | 314526   | 65.257  | ng    | 97       |
| 78) Pyrene                    | 19.728 | 202  | 557286   | 38.740  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.622 | 149  | 240862   | 46.175  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.550 | 228  | 553818   | 39.664  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.473 | 252  | 158225   | 34.790  | ng    | 100      |
| 83) Chrysene                  | 21.620 | 228  | 512978   | 38.604  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.473 | 149  | 346132   | 48.840  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.666 | 149  | 632784   | 51.780  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.342 | 276  | 679376   | 41.049  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.730 | 252  | 586598   | 42.273  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.800 | 252  | 574000   | 39.884  | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.587 | 252  | 525604   | 38.524  | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 28.407 | 278  | 558826   | 40.859  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 29.470 | 276  | 563294   | 41.264  | ng    | 98       |

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





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.936 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

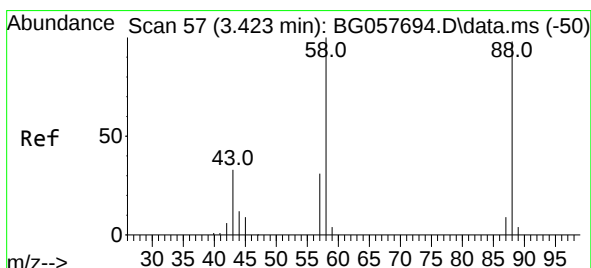
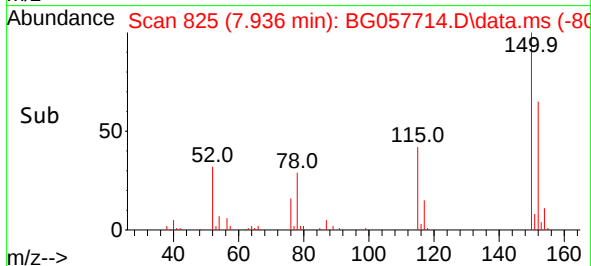
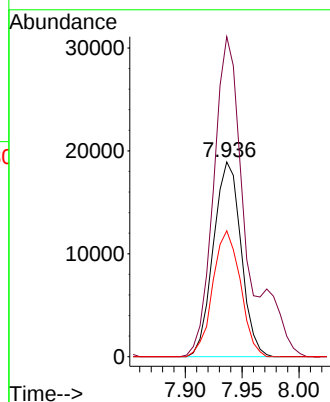
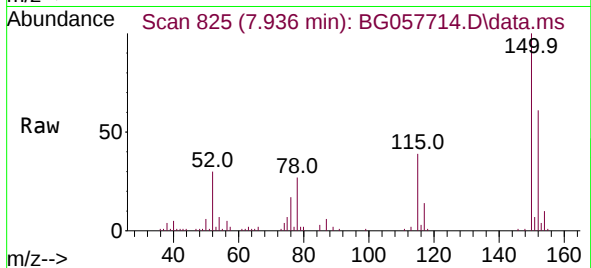
TP-4-GAMSD

Tgt Ion:152 Resp: 3203  
Ion Ratio Lower Upper  
152 100  
150 164.4 120.8 181.2  
115 64.7 49.4 74.2

Manual Integrations

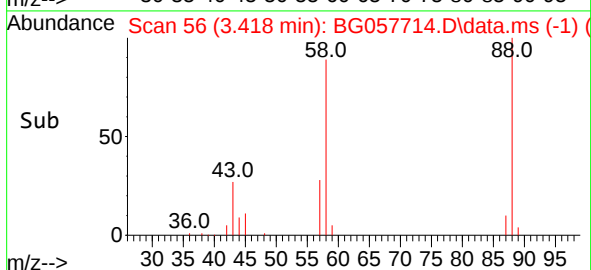
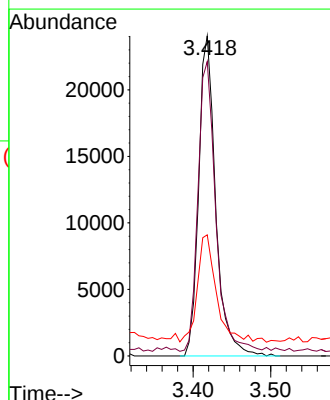
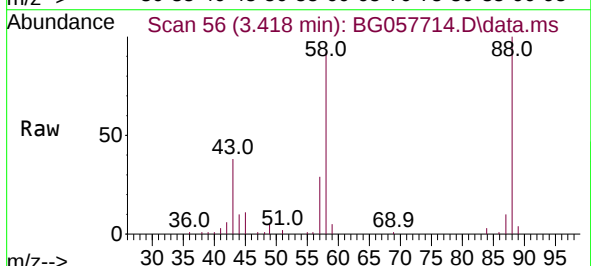
APPROVED

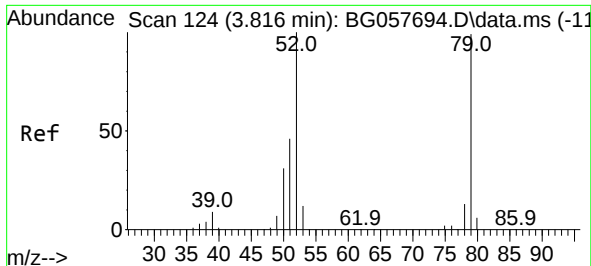
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#2  
1,4-Dioxane  
Concen: 36.536 ng  
RT: 3.418 min Scan# 56  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion: 88 Resp: 36595  
Ion Ratio Lower Upper  
88 100  
58 94.0 83.0 124.6  
43 37.5 26.2 39.4





#3  
Pyridine  
Concen: 33.502 ng  
RT: 3.806 min Scan# 110  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

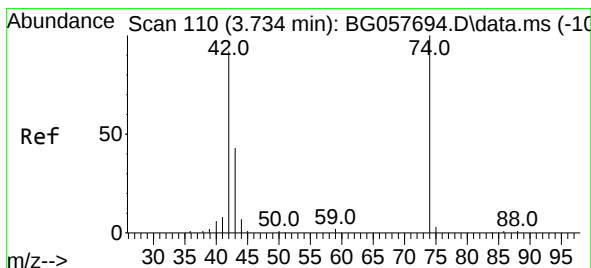
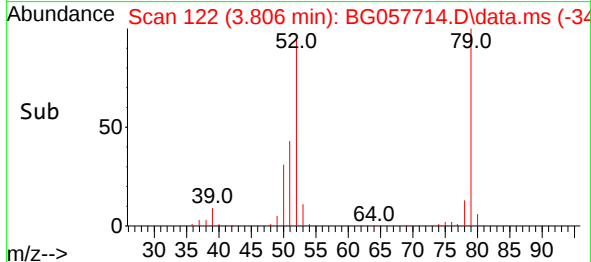
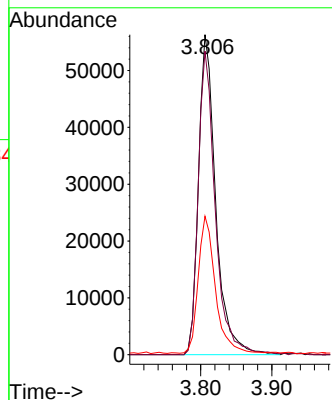
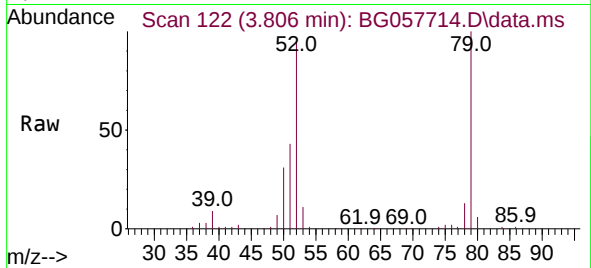
ClientSampleId :

TP-4-GAMSD

Tgt Ion: 79 Resp: 94992  
Ion Ratio Lower Upper  
79 100  
52 94.9 81.1 121.7  
51 43.3 38.0 57.0

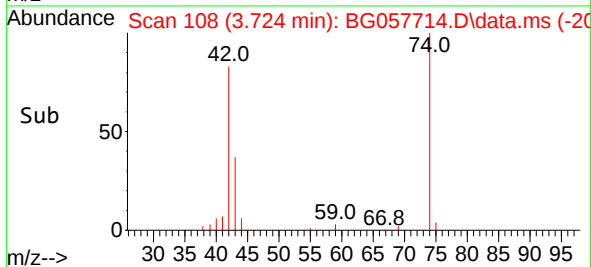
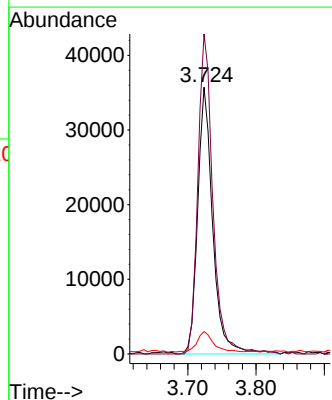
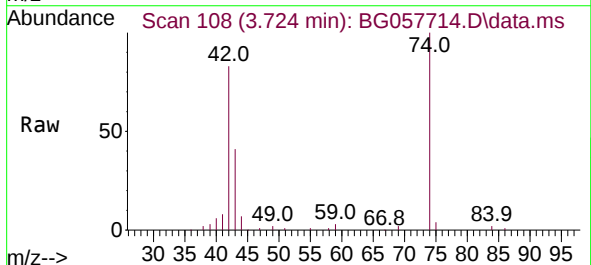
Manual Integrations  
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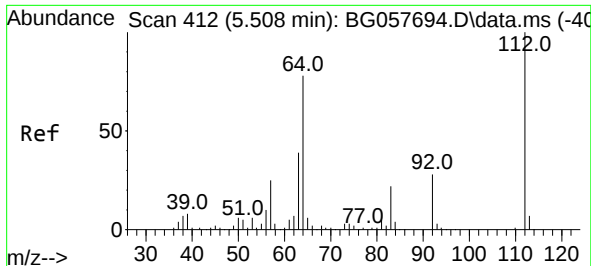
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#4  
n-Nitrosodimethylamine  
Concen: 39.781 ng  
RT: 3.724 min Scan# 108  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

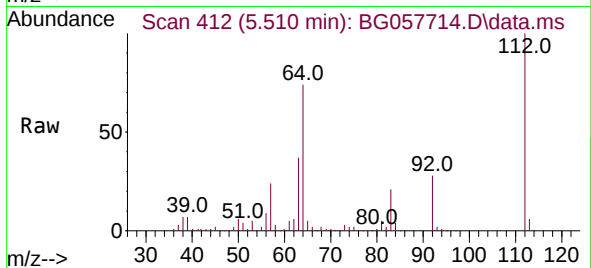
Tgt Ion: 42 Resp: 55013  
Ion Ratio Lower Upper  
42 100  
74 120.0 86.8 130.2  
44 8.4 7.5 11.3





#5  
2-Fluorophenol  
Concen: 86.364 ng  
RT: 5.510 min Scan# 412  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

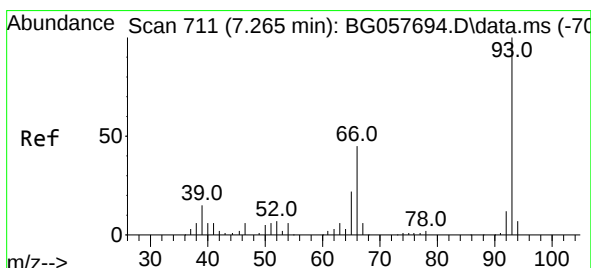
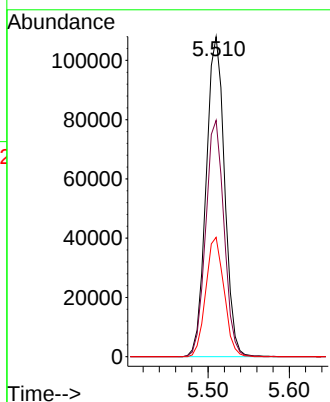
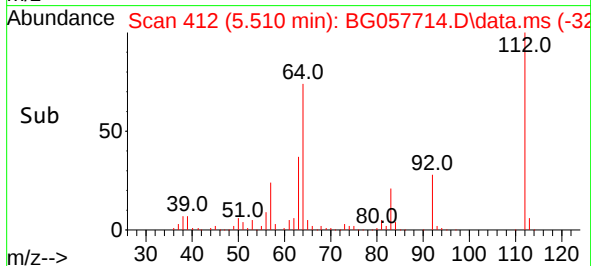
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



Tgt Ion:112 Resp: 16991  
Ion Ratio Lower Upper  
112 100  
64 73.9 62.3 93.5  
63 37.3 31.5 47.3

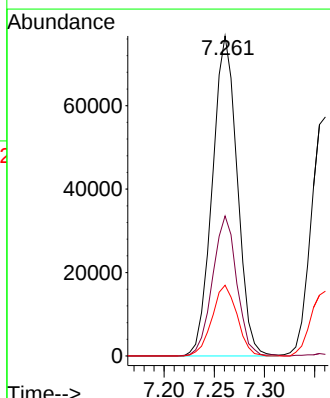
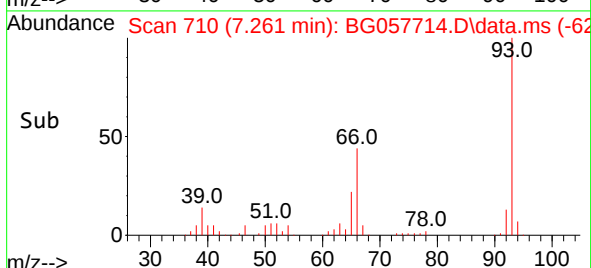
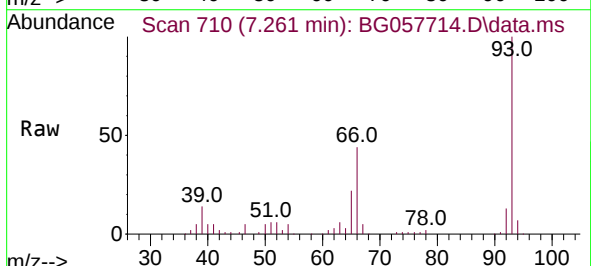
Manual Integrations  
APPROVED

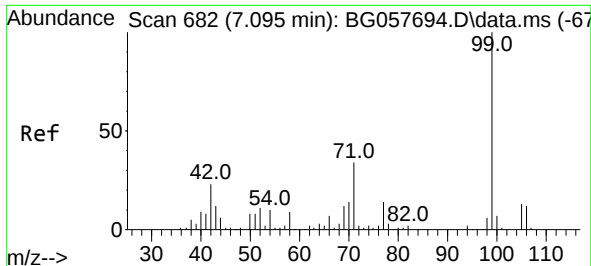
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#6  
Aniline  
Concen: 33.276 ng  
RT: 7.261 min Scan# 710  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

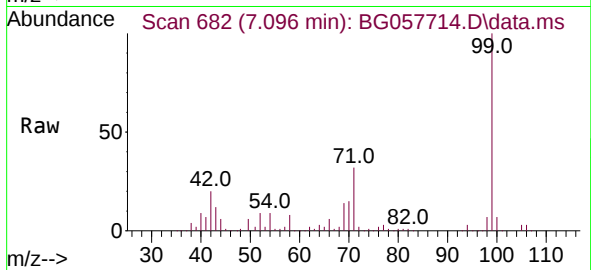
Tgt Ion: 93 Resp: 131953  
Ion Ratio Lower Upper  
93 100  
66 43.7 36.1 54.1  
65 22.1 17.2 25.8





#7  
Phenol-d6  
Concen: 77.624 ng  
RT: 7.096 min Scan# 682  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

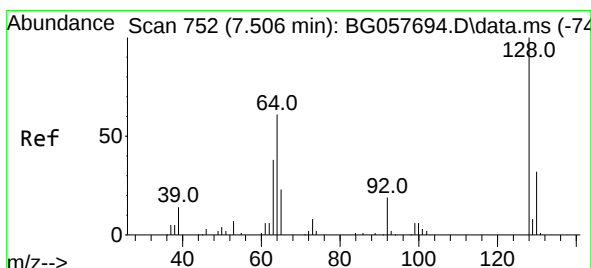
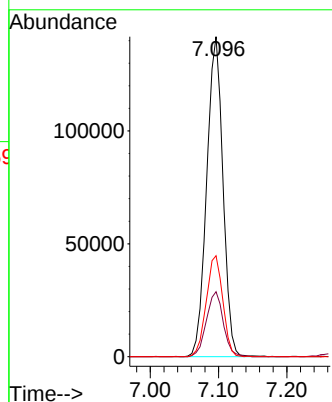
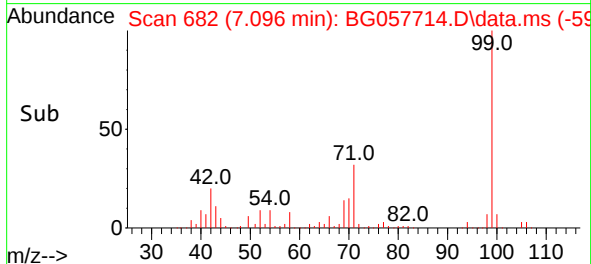
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



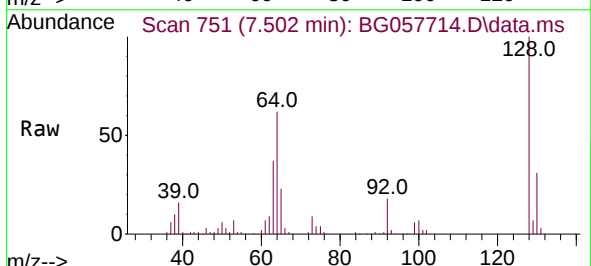
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Ion Ratio Lower Upper  
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71 31.6 27.5 41.3

Manual Integrations  
APPROVED

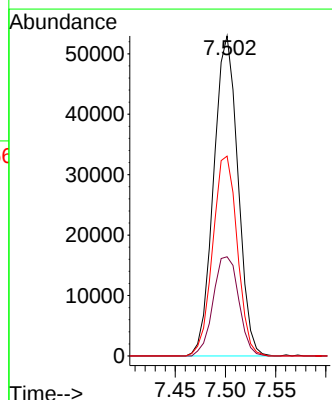
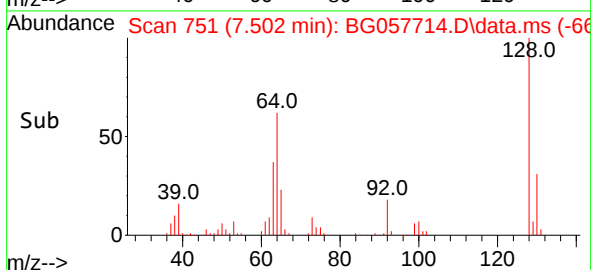
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

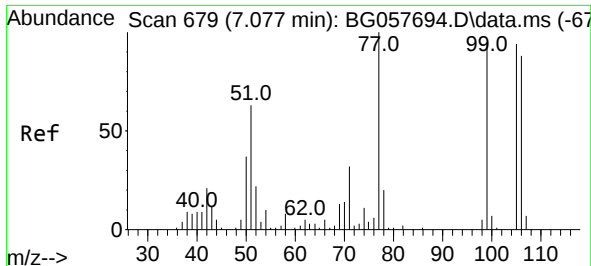


#8  
2-Chlorophenol  
Concen: 47.112 ng  
RT: 7.502 min Scan# 751  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:128 Resp: 88867  
Ion Ratio Lower Upper  
128 100  
130 31.0 12.4 52.4  
64 62.5 47.2 87.2





#9  
Benzaldehyde  
Concen: 30.557 ng  
RT: 7.073 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

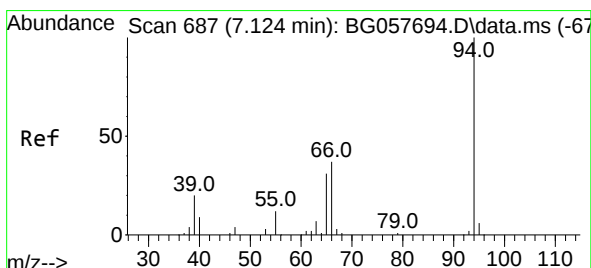
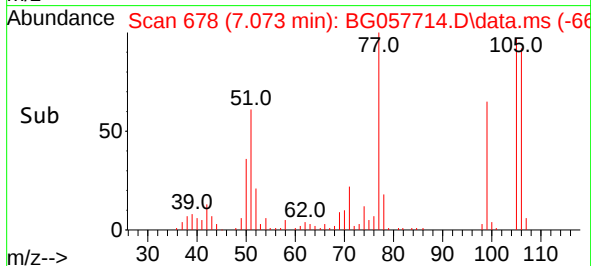
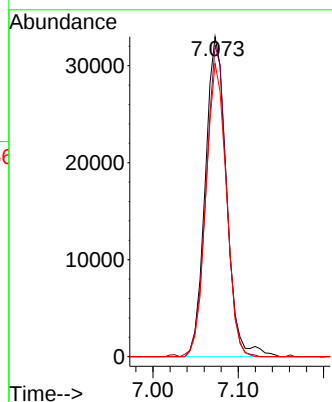
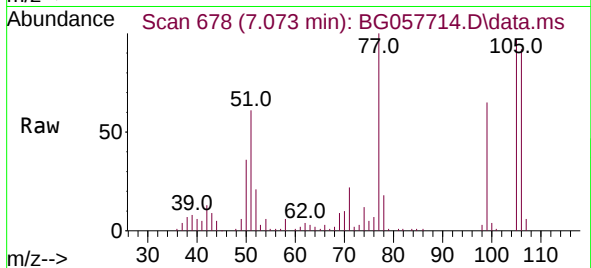
TP-4-GAMSD

Tgt Ion: 77 Resp: 56920  
Ion Ratio Lower Upper  
77 100  
105 97.3 73.9 113.9  
106 91.6 68.2 108.2

Manual Integrations

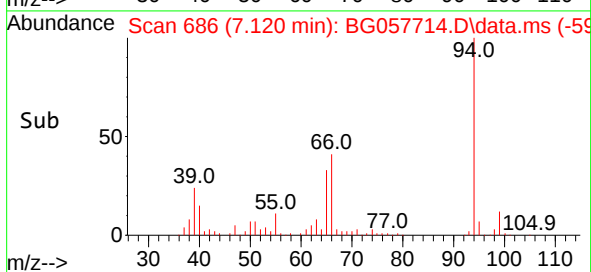
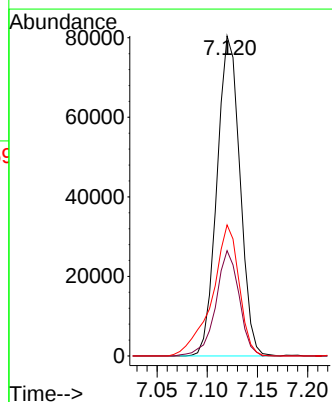
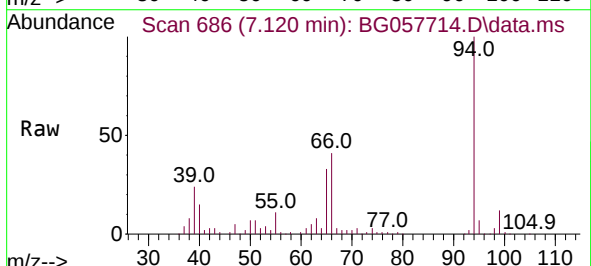
APPROVED

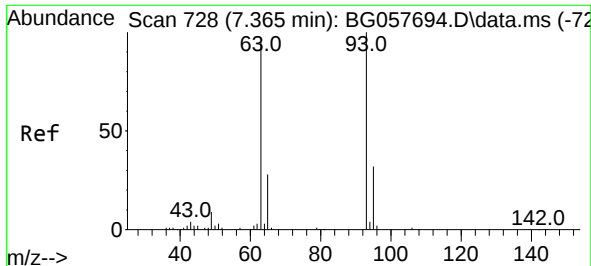
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#10  
Phenol  
Concen: 43.242 ng  
RT: 7.120 min Scan# 686  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion: 94 Resp: 127710  
Ion Ratio Lower Upper  
94 100  
65 32.9 11.5 51.5  
66 41.0 20.1 60.1





#11  
bis(2-Chloroethyl)ether  
Concen: 38.837 ng  
RT: 7.361 min Scan# 71  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

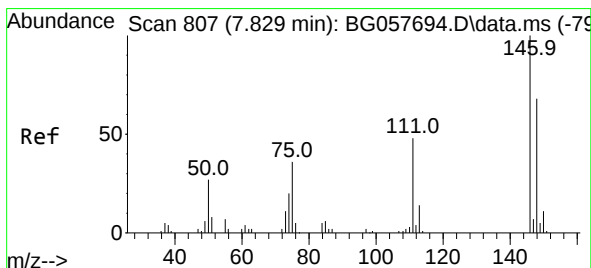
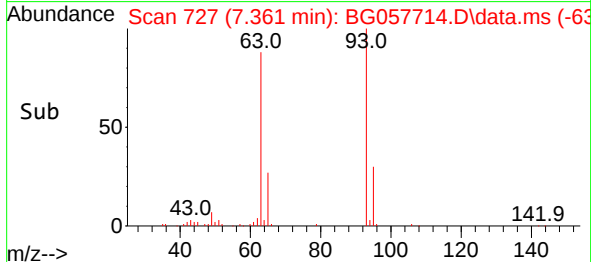
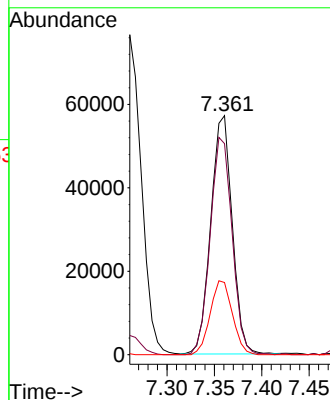
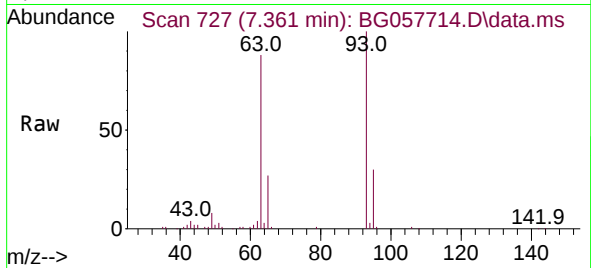
ClientSampleId :

TP-4-GAMSD

Tgt Ion: 93 Resp: 89900  
Ion Ratio Lower Upper  
93 100  
63 88.3 74.5 114.5  
95 30.2 12.1 52.1

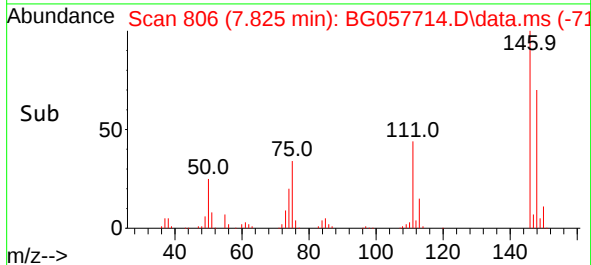
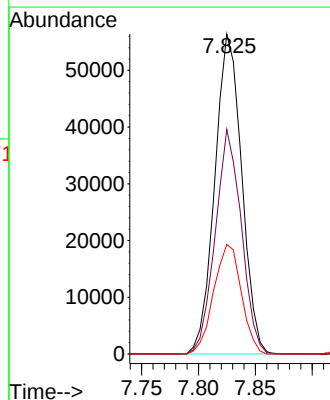
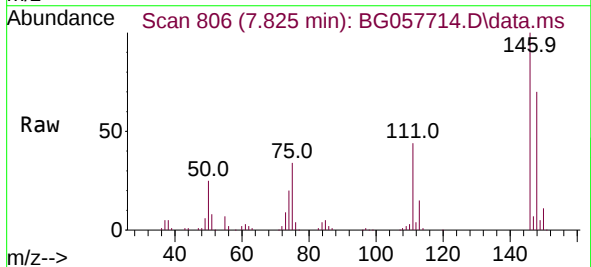
Manual Integrations  
APPROVED

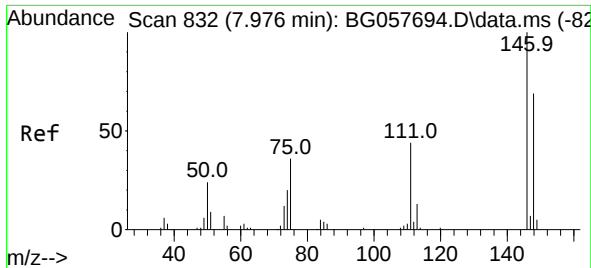
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#12  
1,3-Dichlorobenzene  
Concen: 42.523 ng  
RT: 7.825 min Scan# 806  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

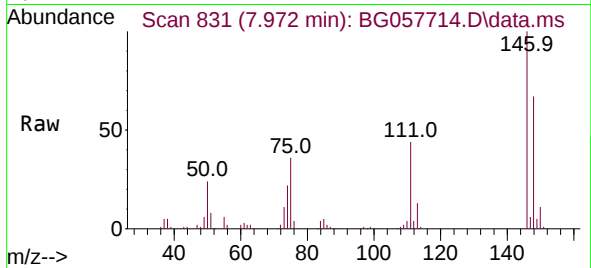
Tgt Ion:146 Resp: 92786  
Ion Ratio Lower Upper  
146 100  
148 70.2 54.6 81.8  
75 34.2 28.7 43.1





#13  
1,4-Dichlorobenzene  
Concen: 43.500 ng  
RT: 7.972 min Scan# 811  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

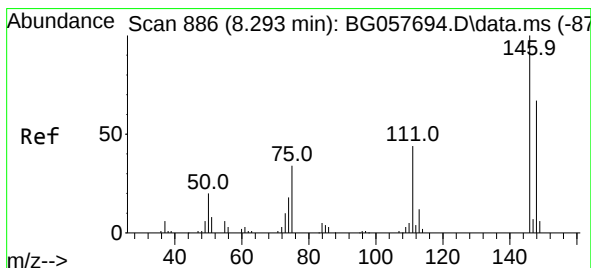
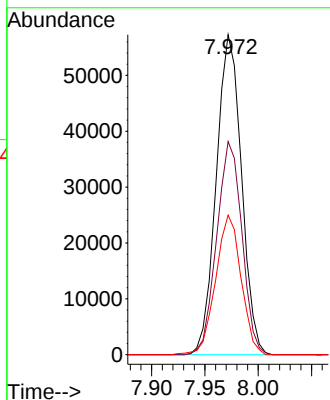
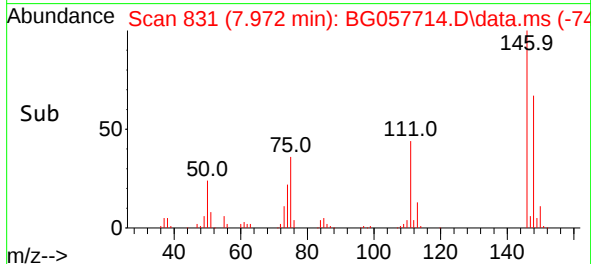
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



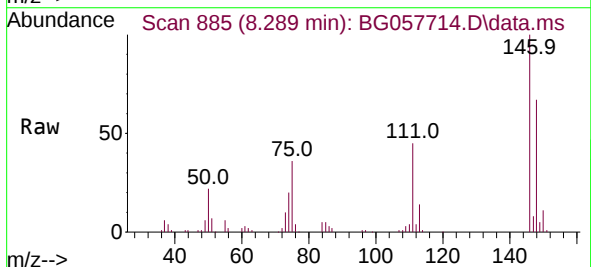
Tgt Ion:146 Resp: 94108  
Ion Ratio Lower Upper  
146 100  
148 66.6 55.5 83.3  
111 43.6 35.3 52.9

Manual Integrations  
APPROVED

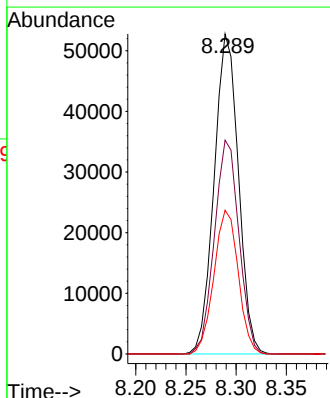
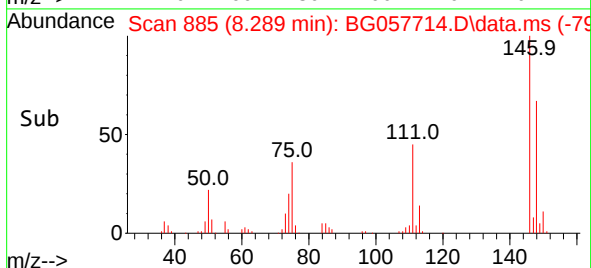
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

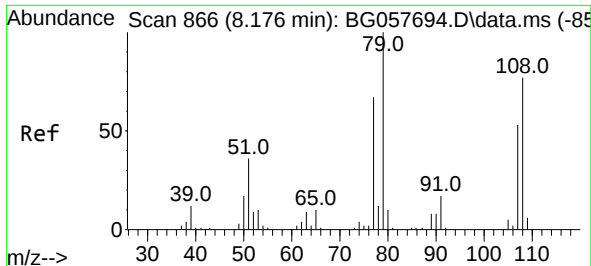


#14  
1,2-Dichlorobenzene  
Concen: 42.209 ng  
RT: 8.289 min Scan# 885  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:146 Resp: 88725  
Ion Ratio Lower Upper  
146 100  
148 66.8 53.8 80.8  
111 44.9 35.8 53.6





#15  
Benzyl Alcohol  
Concen: 39.245 ng  
RT: 8.171 min Scan# 80  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

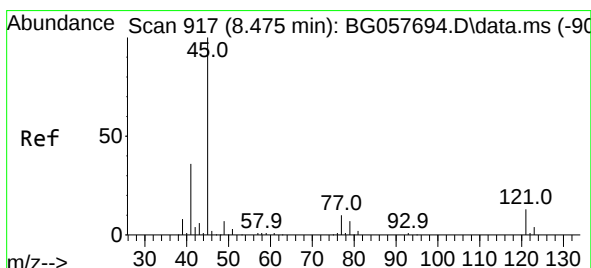
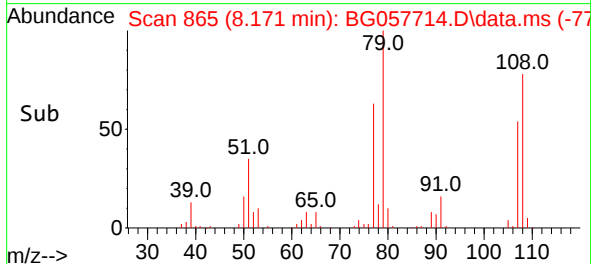
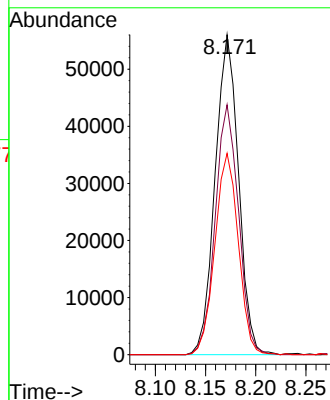
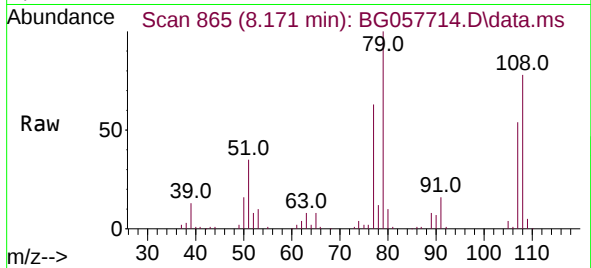
ClientSampleId :

TP-4-GAMSD

Tgt Ion: 79 Resp: 9084  
Ion Ratio Lower Upper  
79 100  
108 78.1 61.6 92.4  
77 62.9 53.2 79.8

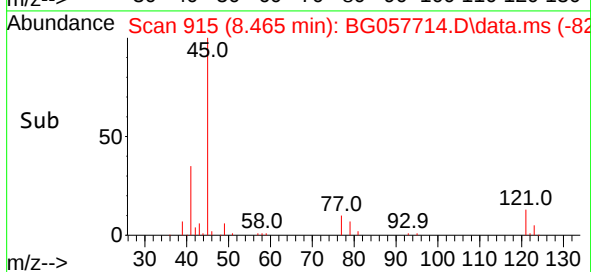
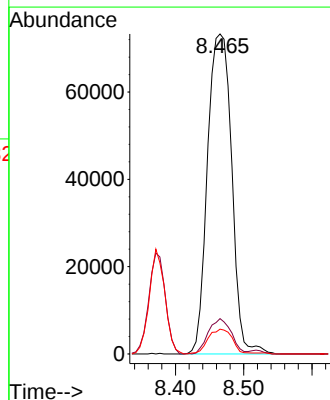
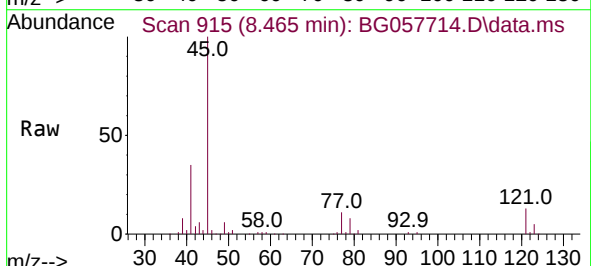
Manual Integrations  
APPROVED

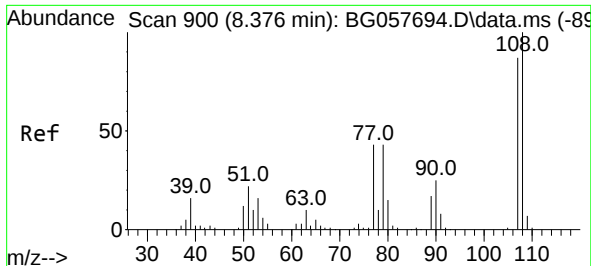
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 35.891 ng  
RT: 8.465 min Scan# 915  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion: 45 Resp: 180903  
Ion Ratio Lower Upper  
45 100  
77 11.0 0.0 30.3  
79 7.7 0.0 26.9





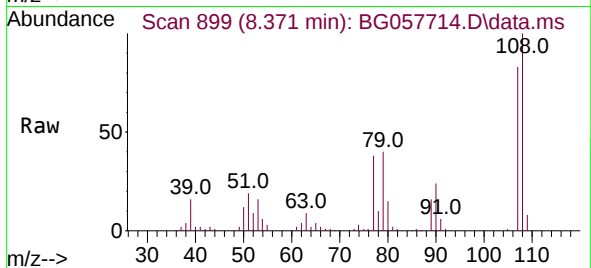
#17  
2-Methylphenol  
Concen: 38.944 ng  
RT: 8.371 min Scan# 84  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

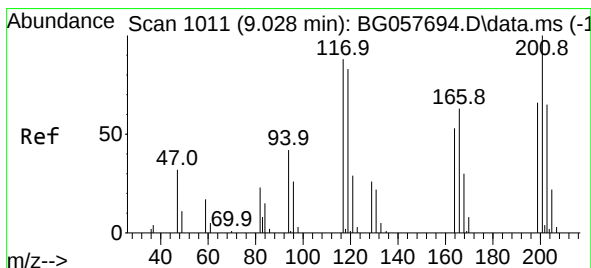
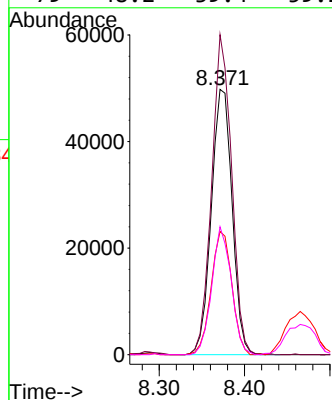


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 84630 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 120.7 | 92.4  | 138.6 |
| 77       | 46.4  | 39.9  | 59.9  |
| 79       | 48.2  | 39.4  | 59.2  |

Manual Integrations

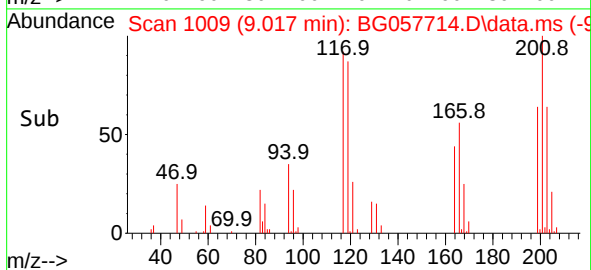
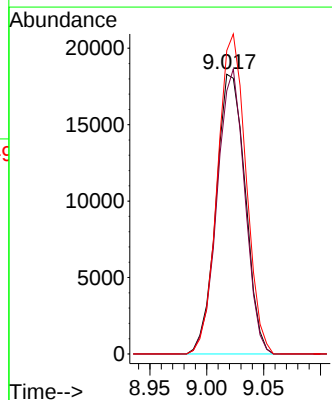
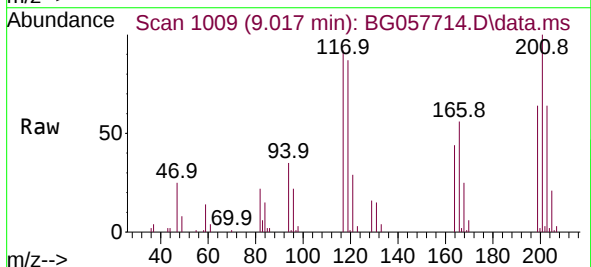
APPROVED

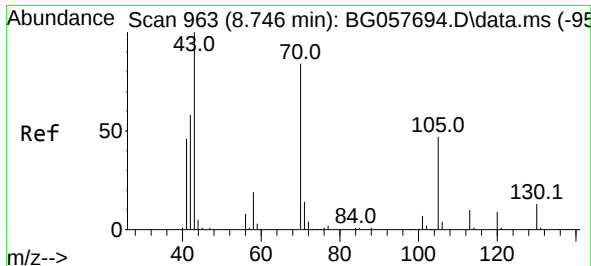
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#18  
Hexachloroethane  
Concen: 48.784 ng  
RT: 9.017 min Scan# 1009  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 32615 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.1  | 75.7  | 113.5 |
| 201      | 108.5 | 91.0  | 136.6 |





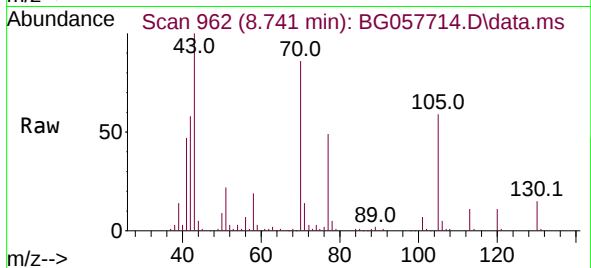
#19  
n-Nitroso-di-n-propylamine  
Concen: 34.517 ng  
RT: 8.741 min Scan# 962  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

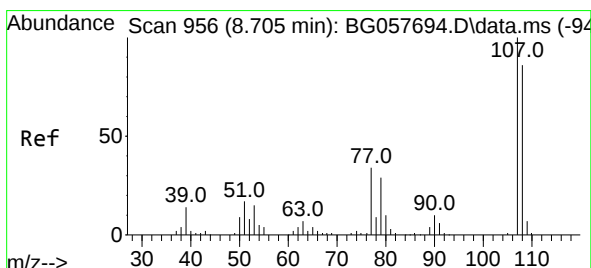
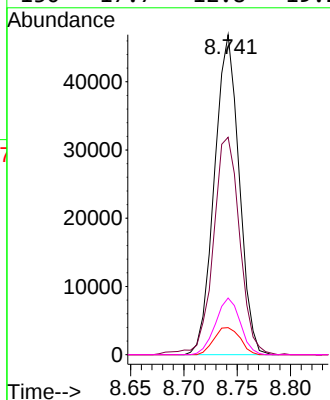
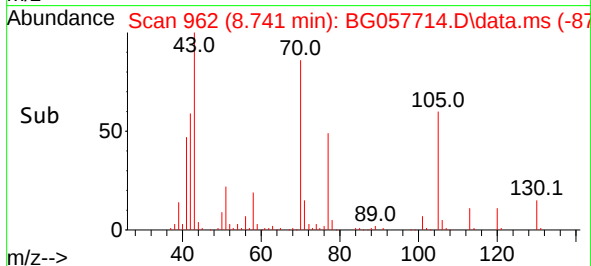


Tgt Ion: 70 Resp: 7543  
Ion Ratio Lower Upper  
70 100  
42 68.0 56.6 84.8  
101 8.5 6.2 9.4  
130 17.7 12.8 19.2

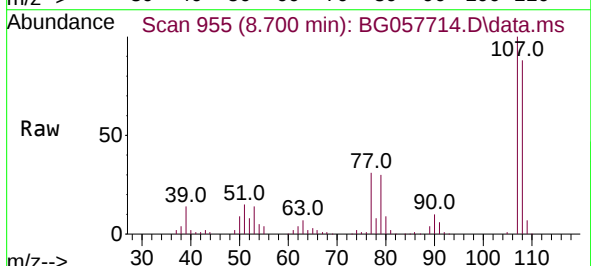
Manual Integrations

APPROVED

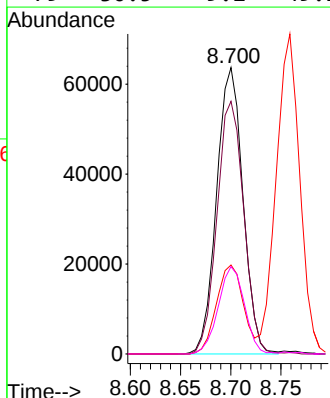
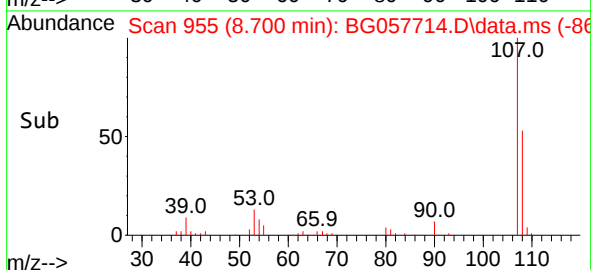
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

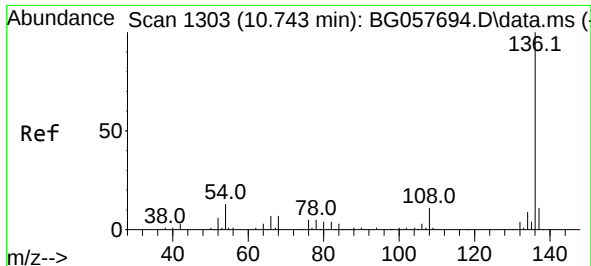


#20  
3+4-Methylphenols  
Concen: 39.084 ng  
RT: 8.700 min Scan# 955  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:107 Resp: 116138  
Ion Ratio Lower Upper  
107 100  
108 88.2 66.3 106.3  
77 31.0 13.9 53.9  
79 30.5 9.2 49.2





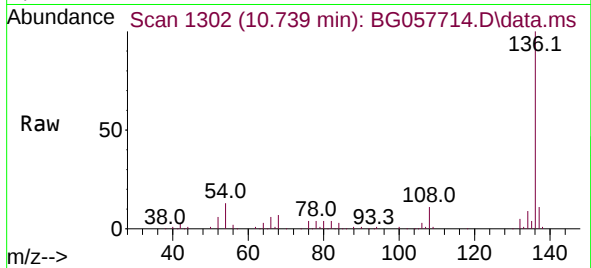
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.739 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

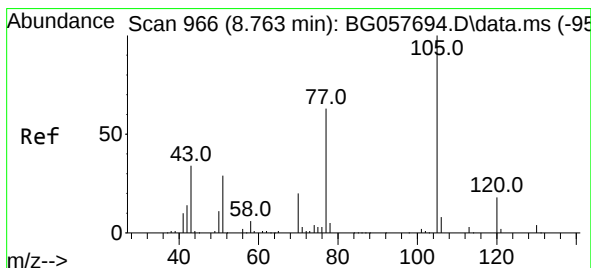
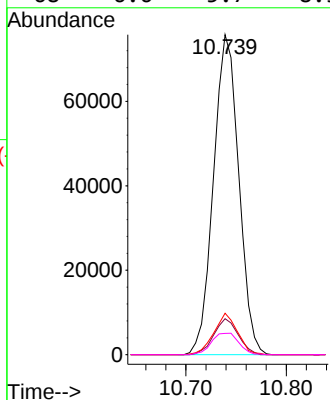
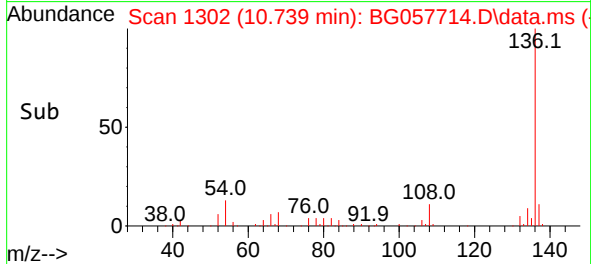


Tgt Ion:136 Resp: 132454  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.6 13.0  
54 12.9 10.8 16.2  
68 6.6 5.7 8.5

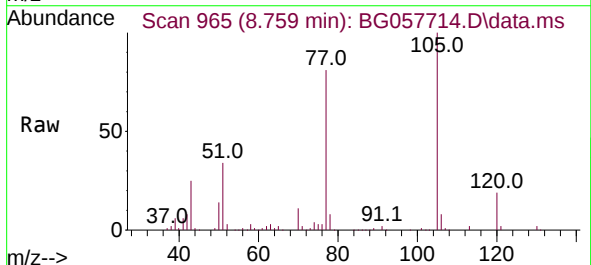
Manual Integrations

APPROVED

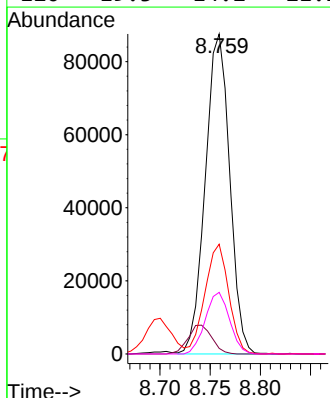
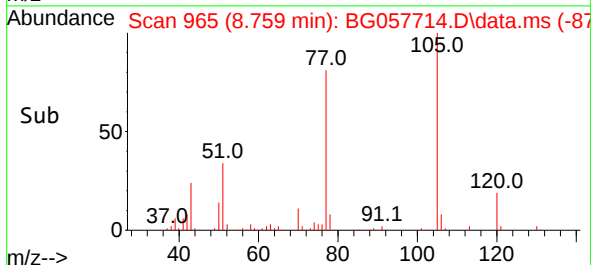
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

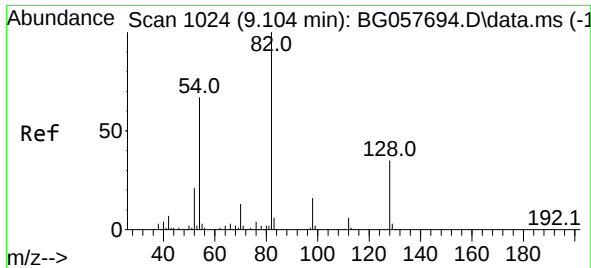


#22  
Acetophenone  
Concen: 38.525 ng  
RT: 8.759 min Scan# 965  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:105 Resp: 148241  
Ion Ratio Lower Upper  
105 100  
71 1.7 2.6 3.8#  
51 34.3 28.3 42.5  
120 19.3 14.2 21.2





#23  
Nitrobenzene-d5  
Concen: 63.959 ng  
RT: 9.094 min Scan# 1022  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

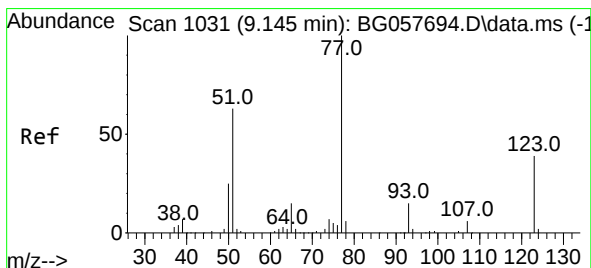
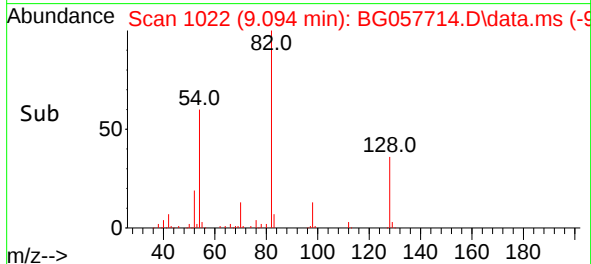
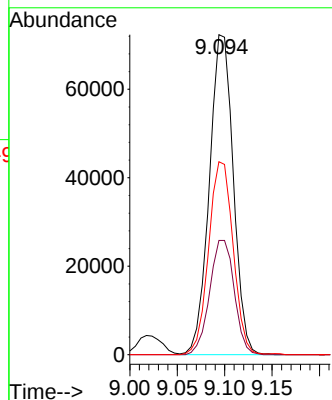
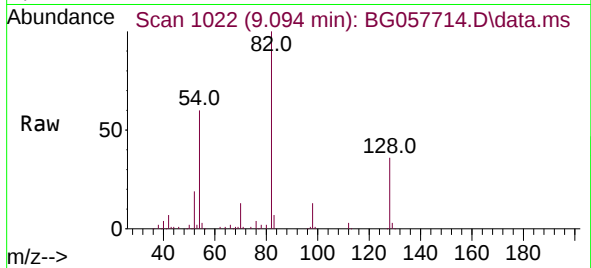
ClientSampleId :

TP-4-GAMSD

Tgt Ion: 82 Resp: 127212  
Ion Ratio Lower Upper  
82 100  
128 35.7 27.7 41.5  
54 60.3 53.8 80.8

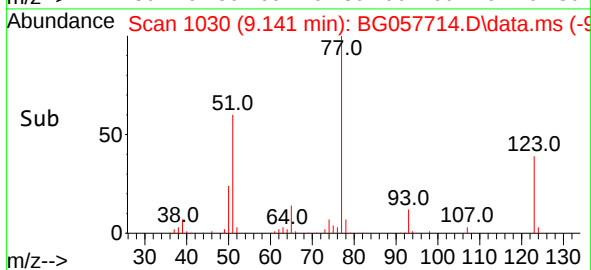
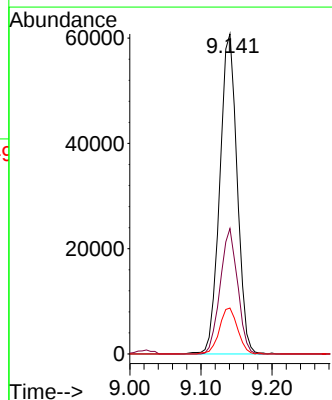
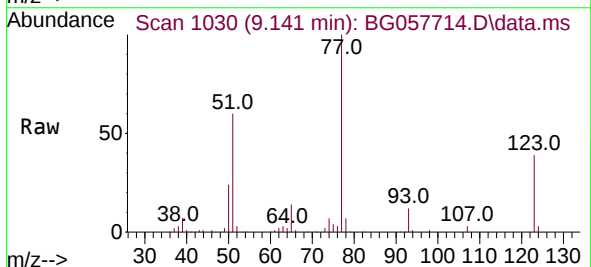
Manual Integrations  
APPROVED

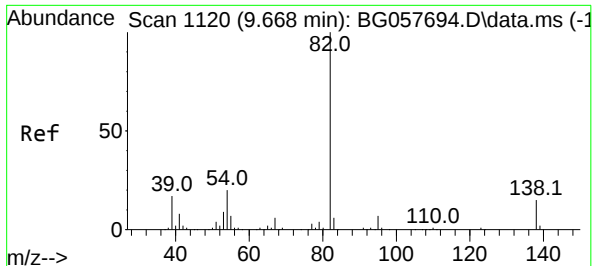
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#24  
Nitrobenzene  
Concen: 43.560 ng  
RT: 9.141 min Scan# 1030  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion: 77 Resp: 102762  
Ion Ratio Lower Upper  
77 100  
123 39.2 31.2 46.8  
65 14.4 11.6 17.4





#25  
Isophorone  
Concen: 35.327 ng  
RT: 9.658 min Scan# 1118  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

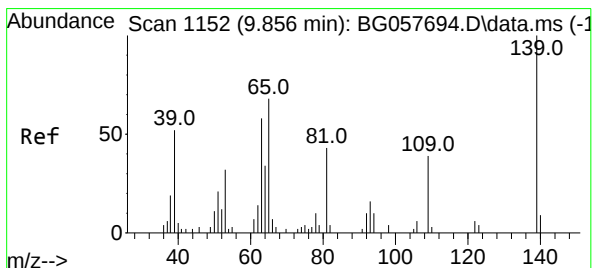
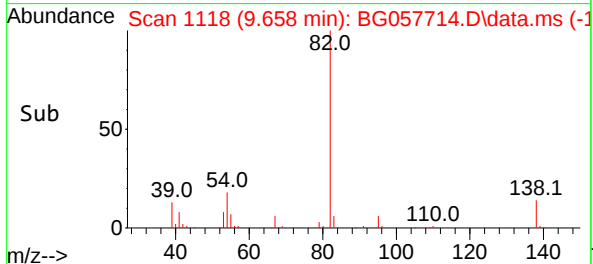
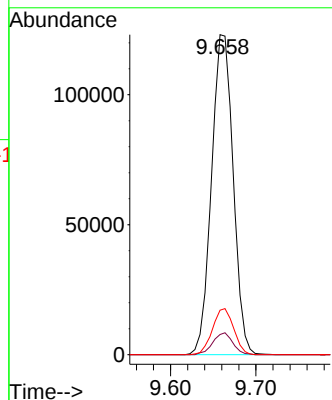
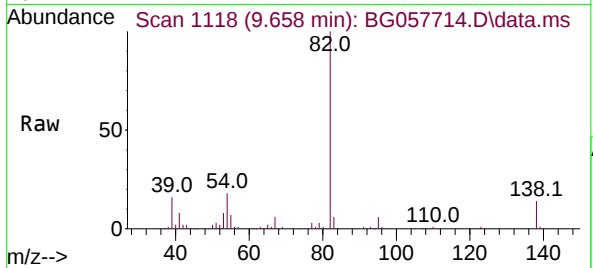
TP-4-GAMSD

Tgt Ion: 82 Resp: 21688  
Ion Ratio Lower Upper  
82 100  
95 6.3 5.4 8.2  
138 13.9 11.8 17.6

Manual Integrations

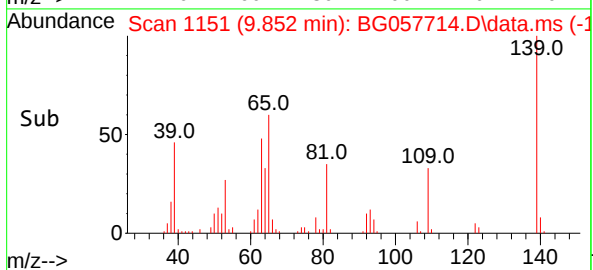
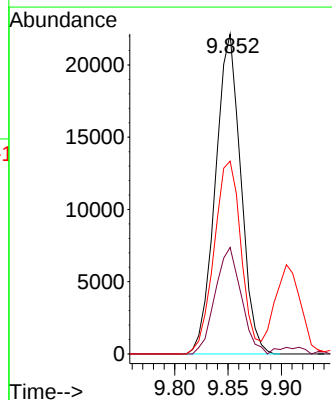
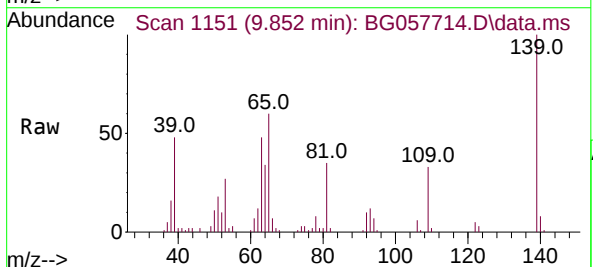
APPROVED

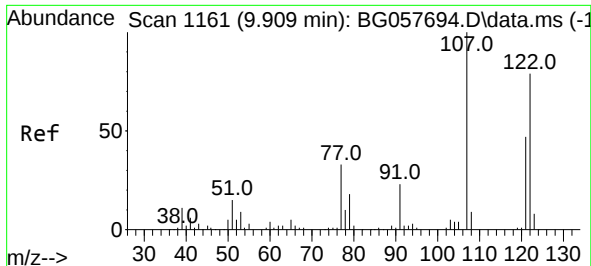
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#26  
2-Nitrophenol  
Concen: 57.352 ng  
RT: 9.852 min Scan# 1151  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:139 Resp: 36689  
Ion Ratio Lower Upper  
139 100  
109 33.3 30.9 46.3  
65 60.3 54.5 81.7





#27

2,4-Dimethylphenol

Concen: 42.699 ng

RT: 9.905 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

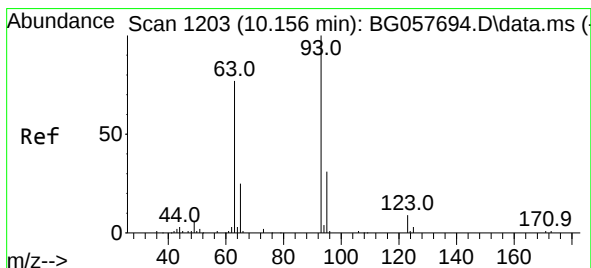
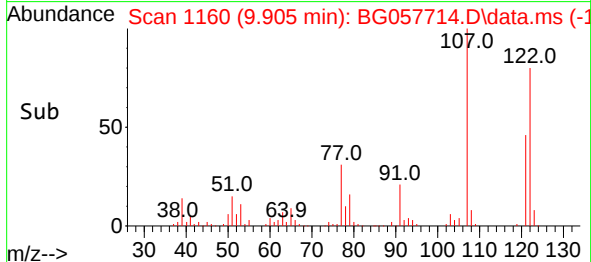
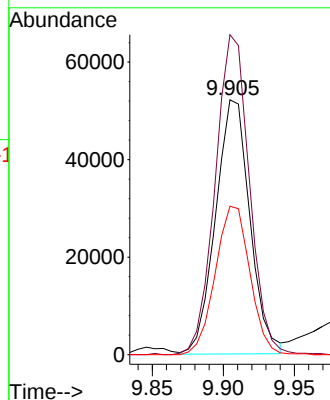
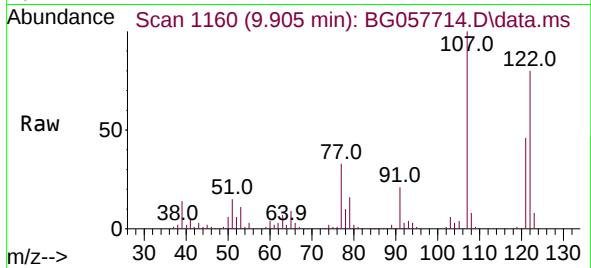
Tgt Ion:122 Resp: 87538  
 Ion Ratio Lower Upper  
 122 100  
 107 125.5 100.6 150.8  
 121 58.3 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#28

bis(2-Chloroethoxy)methane

Concen: 37.732 ng

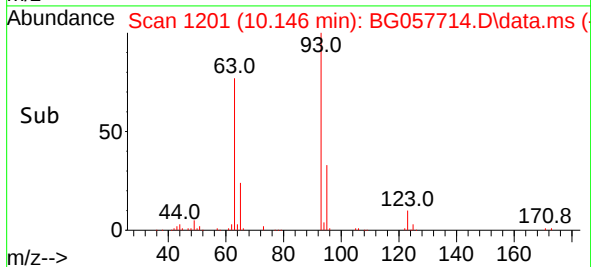
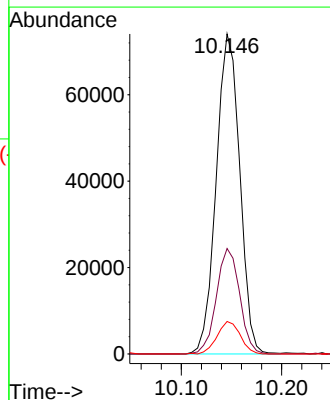
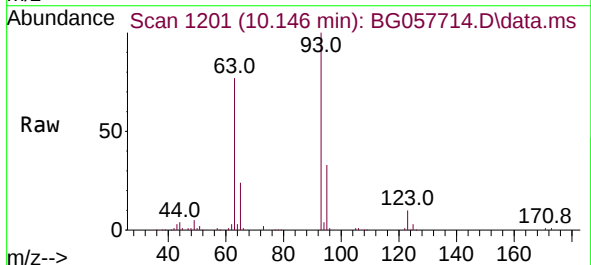
RT: 10.146 min Scan# 1201

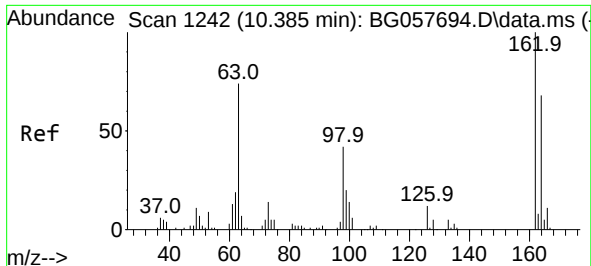
Delta R.T. -0.010 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Tgt Ion: 93 Resp: 120419  
 Ion Ratio Lower Upper  
 93 100  
 95 32.9 24.9 37.3  
 123 10.1 7.2 10.8





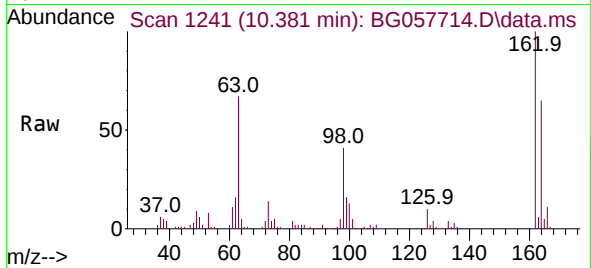
#29  
2,4-Dichlorophenol  
Concen: 48.998 ng  
RT: 10.381 min Scan# 1241  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

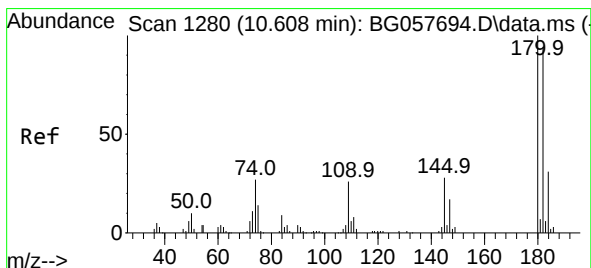
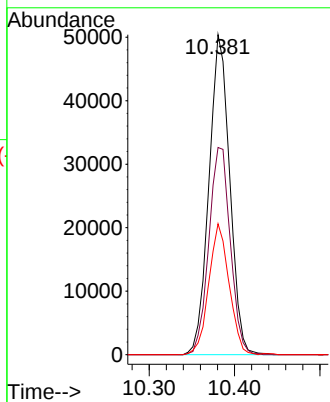
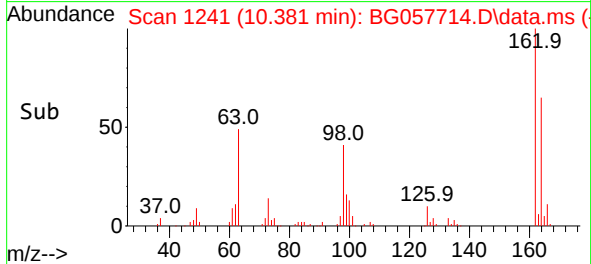


Tgt Ion:162 Resp: 85208  
Ion Ratio Lower Upper  
162 100  
164 64.8 47.9 87.9  
98 40.9 22.4 62.4

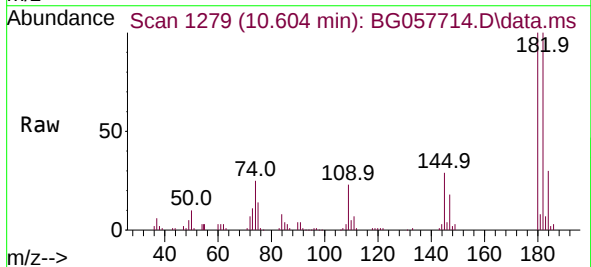
Manual Integrations

APPROVED

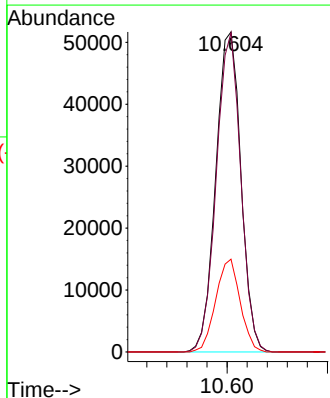
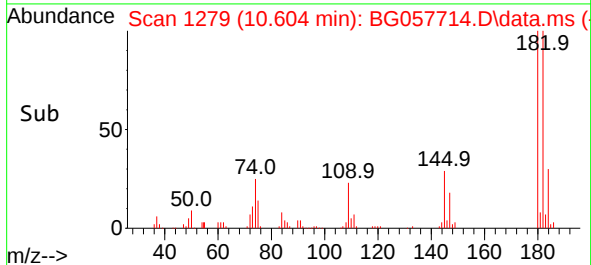
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

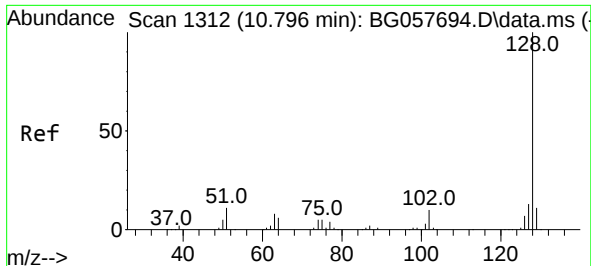


#30  
1,2,4-Trichlorobenzene  
Concen: 39.735 ng  
RT: 10.604 min Scan# 1279  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:180 Resp: 89810  
Ion Ratio Lower Upper  
180 100  
182 99.7 74.8 112.2  
145 29.0 22.6 34.0





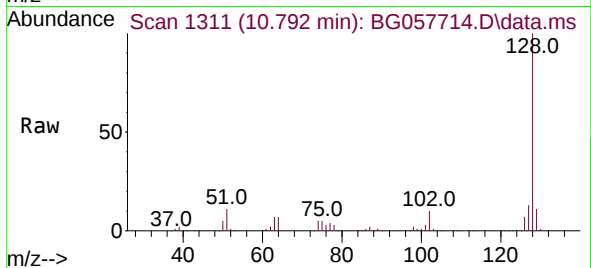
#31  
Naphthalene  
Concen: 38.440 ng  
RT: 10.792 min Scan# 1182  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

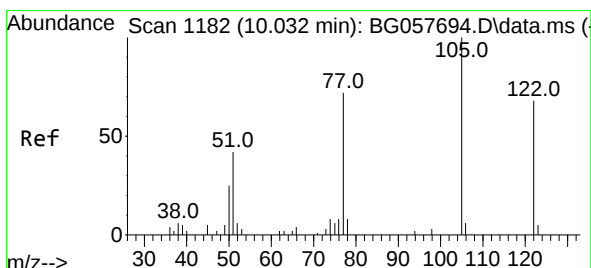
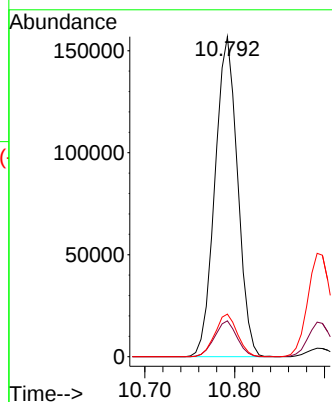
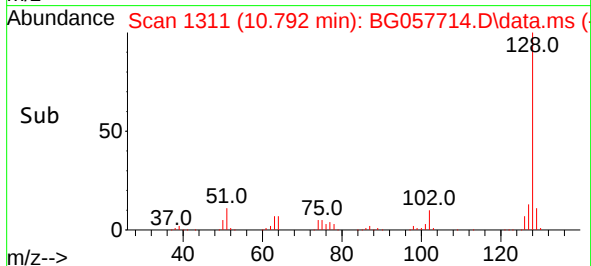


Tgt Ion:128 Resp: 273640  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.7 13.1  
127 13.3 10.0 15.0

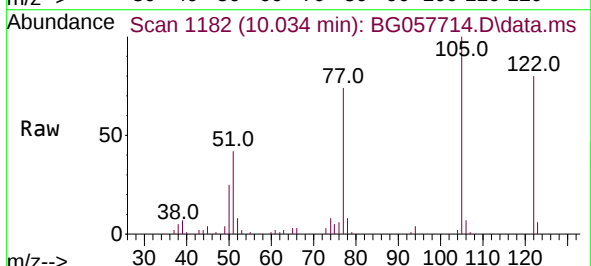
Manual Integrations

APPROVED

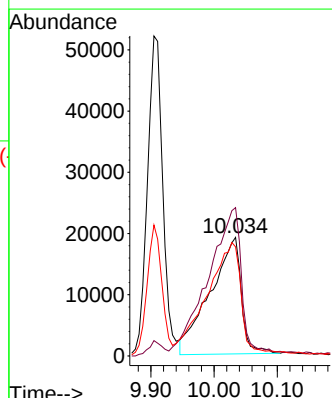
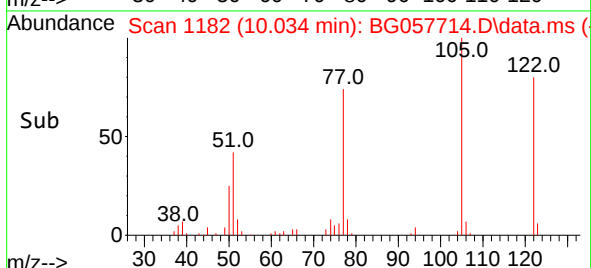
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

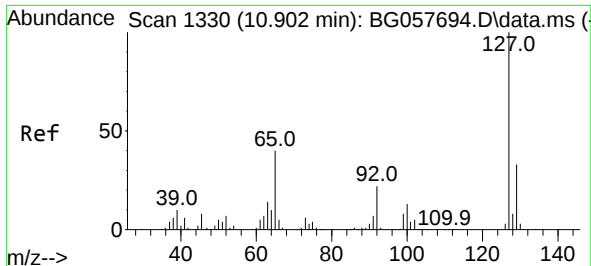


#32  
Benzoic acid  
Concen: 81.110 ng  
RT: 10.034 min Scan# 1182  
Delta R.T. 0.002 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:122 Resp: 64978  
Ion Ratio Lower Upper  
122 100  
105 125.2 113.8 153.8  
77 92.0 81.0 121.0





#33  
4-Chloroaniline  
Concen: 27.722 ng  
RT: 10.892 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

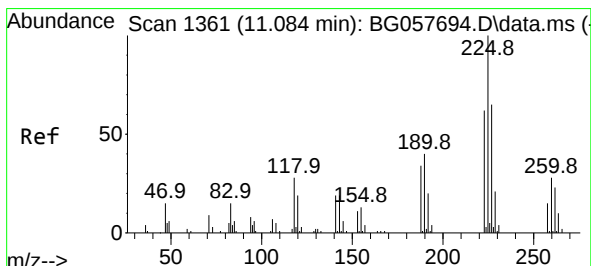
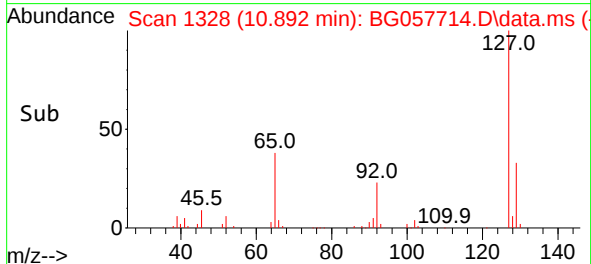
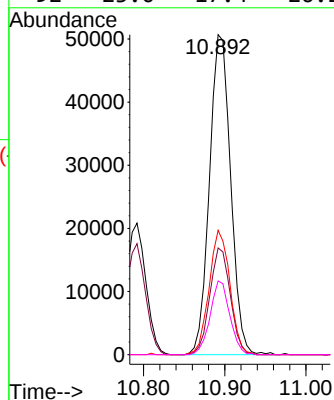
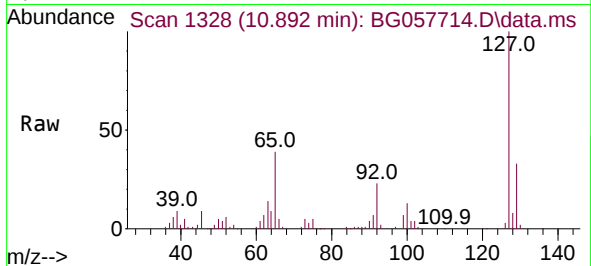
TP-4-GAMSD

Tgt Ion:127 Resp: 91878  
Ion Ratio Lower Upper  
127 100  
129 33.4 26.6 39.8  
65 38.8 31.7 47.5  
92 23.0 17.4 26.2

Manual Integrations

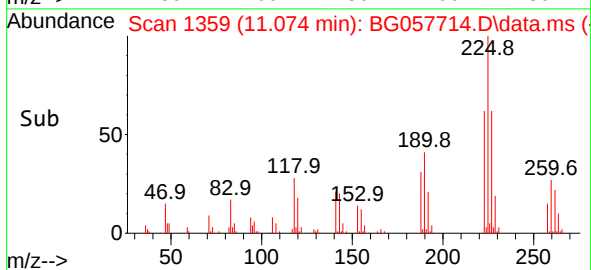
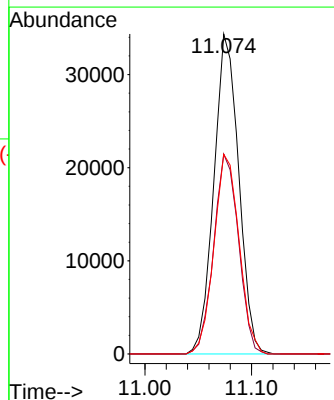
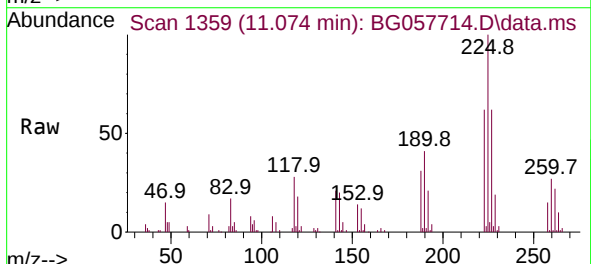
APPROVED

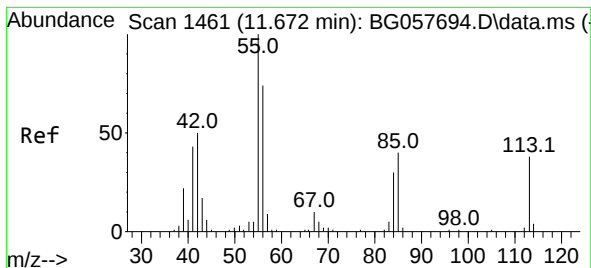
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#34  
Hexachlorobutadiene  
Concen: 39.045 ng  
RT: 11.074 min Scan# 1359  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:225 Resp: 55496  
Ion Ratio Lower Upper  
225 100  
223 62.5 52.0 78.0  
227 62.4 51.8 77.8





#35  
Caprolactam  
Concen: 47.974 ng m  
RT: 11.661 min Scan# 1461  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

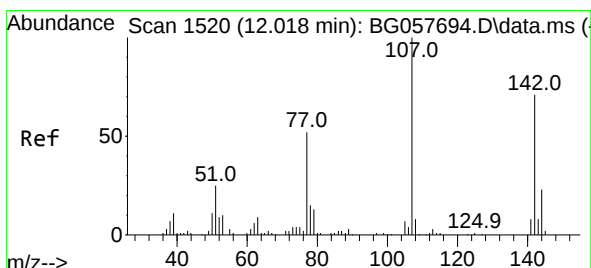
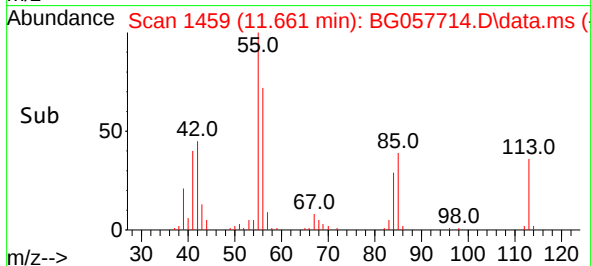
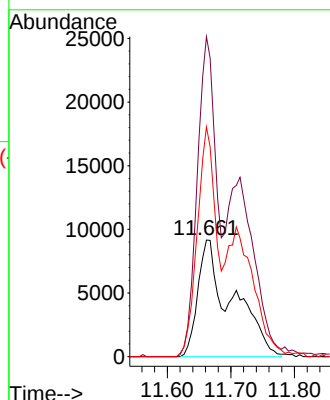
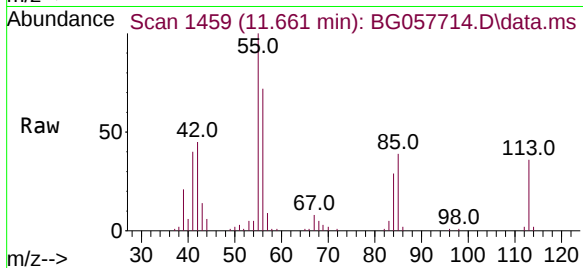
TP-4-GAMSD

Tgt Ion:113 Resp: 3441  
Ion Ratio Lower Upper  
113 100  
55 274.2 239.9 279.9  
56 196.9 171.9 211.9

Manual Integrations

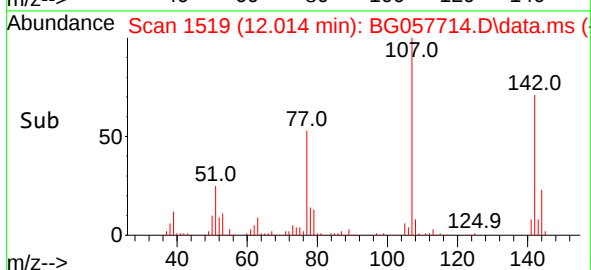
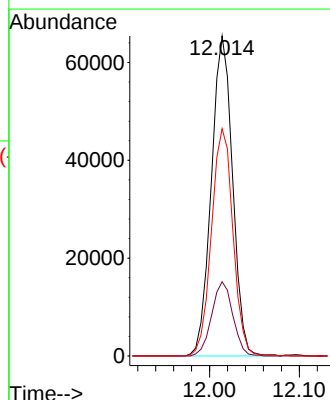
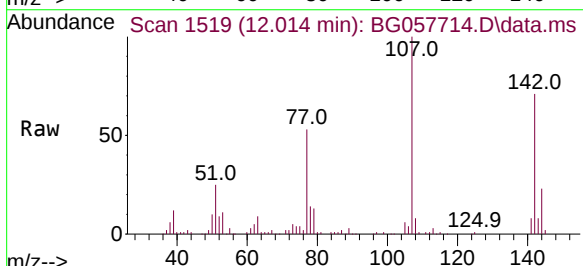
APPROVED

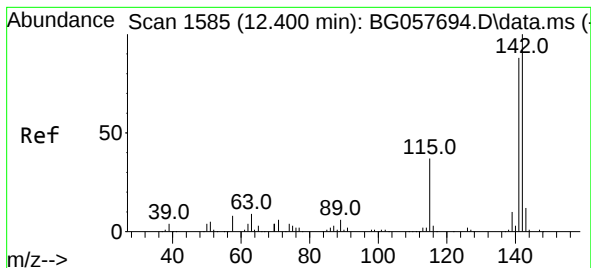
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#36  
4-Chloro-3-methylphenol  
Concen: 43.578 ng  
RT: 12.014 min Scan# 1519  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:107 Resp: 107360  
Ion Ratio Lower Upper  
107 100  
144 23.2 18.7 28.1  
142 71.0 56.7 85.1





#37

2-Methylnaphthalene

Concen: 35.626 ng

RT: 12.396 min Scan# 1584

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

Tgt Ion:142 Resp: 18762

Ion Ratio Lower Upper

142 100

141 88.3 70.6 105.8

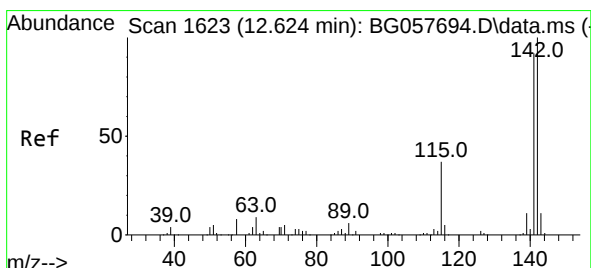
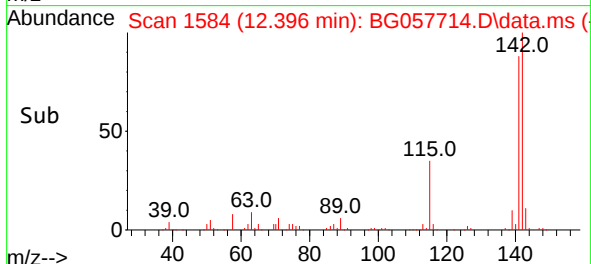
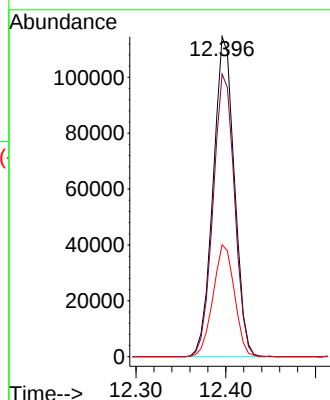
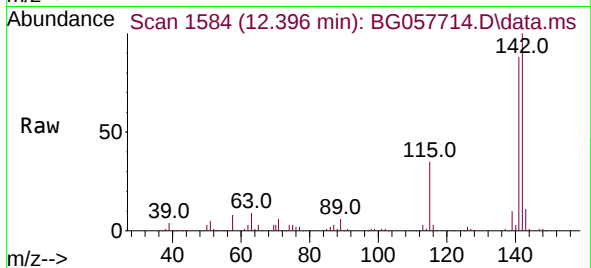
115 34.9 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#38

1-Methylnaphthalene

Concen: 35.535 ng

RT: 12.619 min Scan# 1622

Delta R.T. -0.005 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

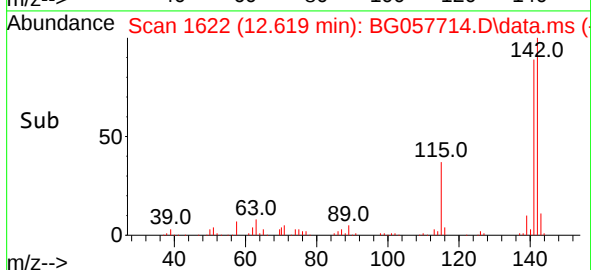
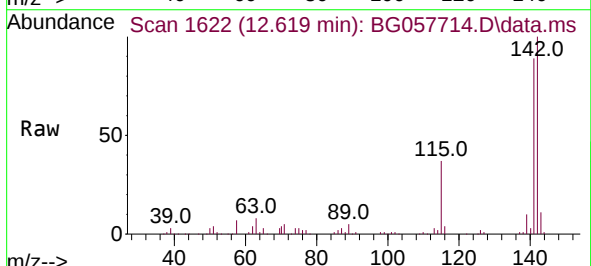
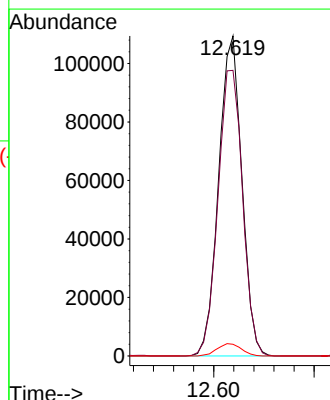
Tgt Ion:142 Resp: 175569

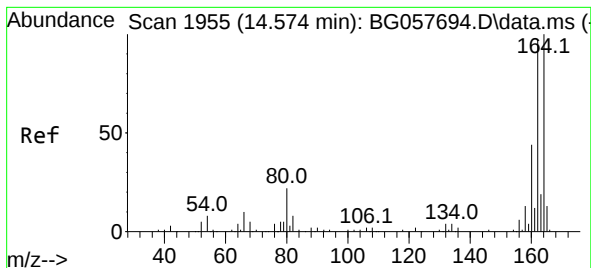
Ion Ratio Lower Upper

142 100

141 89.2 73.4 110.0

116 3.7 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.570 min Scan# 1954

Delta R.T. -0.004 min

Lab File: BG057714.D

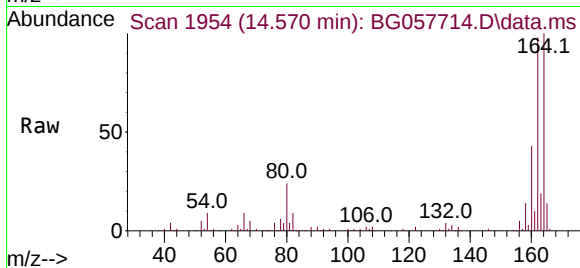
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD



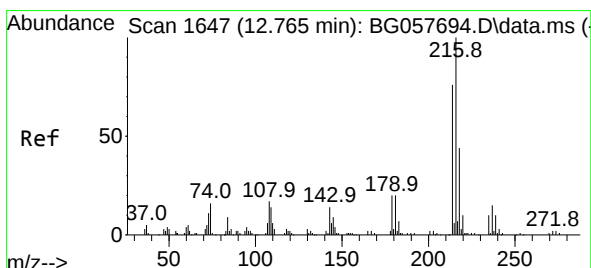
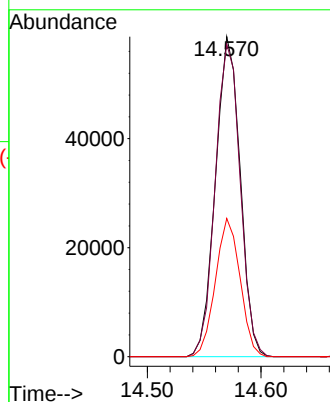
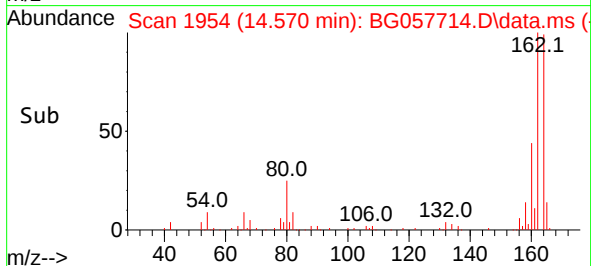
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 88598      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 97.7  | 77.7 116.5 |
| 160         | 43.2  | 35.1 52.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.777 ng

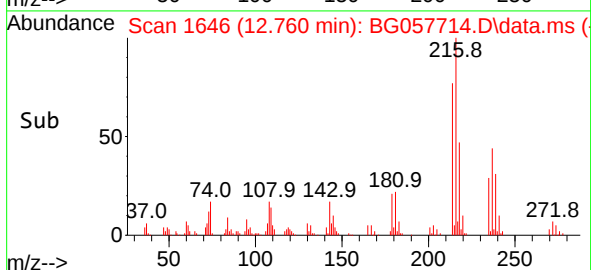
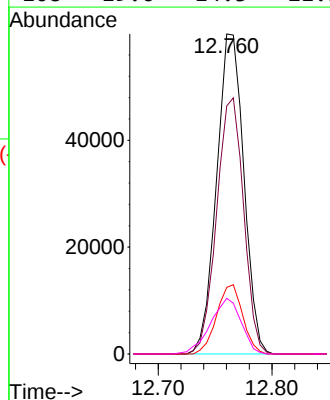
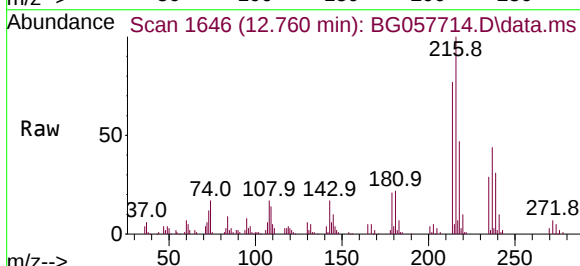
RT: 12.760 min Scan# 1646

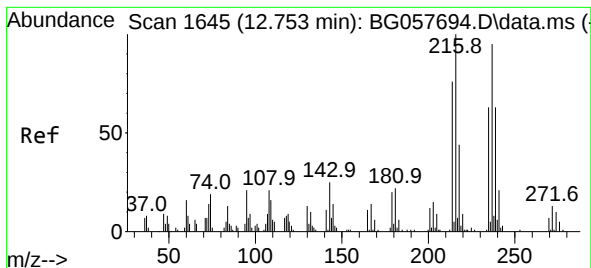
Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 99762     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.1  | 63.7 95.5 |
| 179         | 20.7  | 16.7 25.1 |
| 108         | 19.6  | 14.3 21.5 |





#41

Hexachlorocyclopentadiene

Concen: 125.376 ng

RT: 12.748 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

Tgt Ion:237 Resp: 11993

Ion Ratio Lower Upper

237 100

235 62.8 46.7 86.7

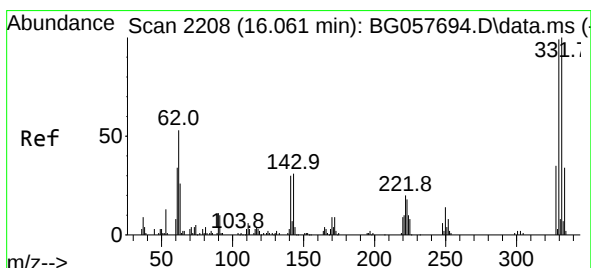
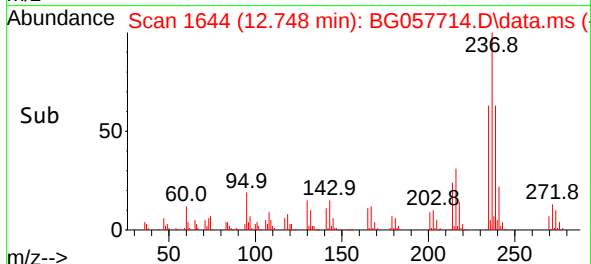
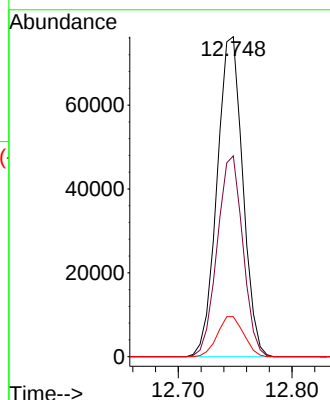
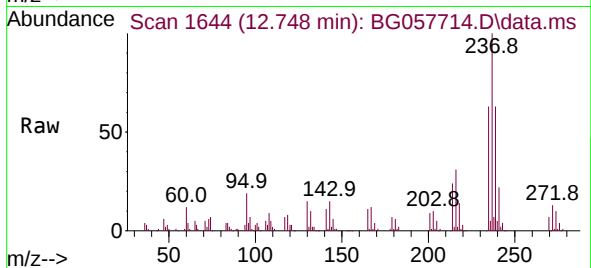
272 12.5 0.0 33.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#42

2,4,6-Tribromophenol

Concen: 98.092 ng

RT: 16.056 min Scan# 2207

Delta R.T. -0.005 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

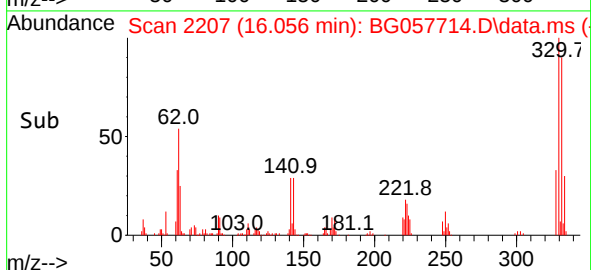
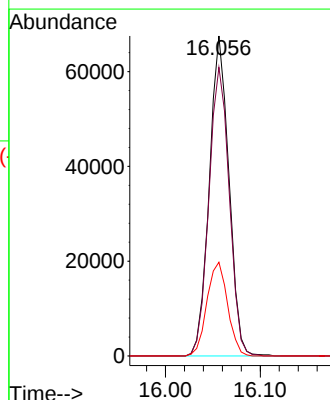
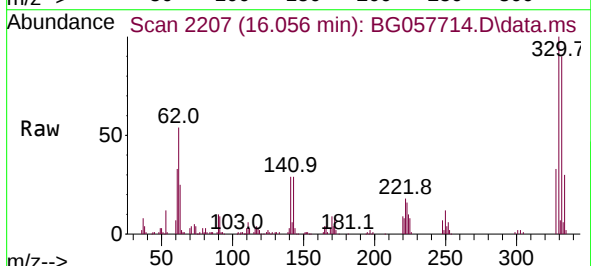
Tgt Ion:330 Resp: 96959

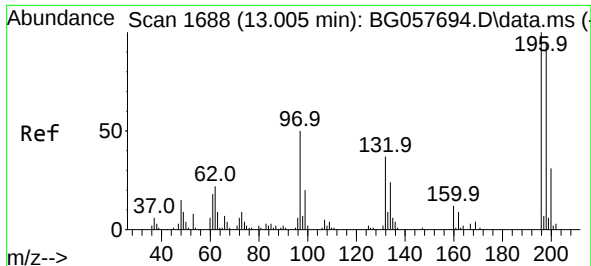
Ion Ratio Lower Upper

330 100

332 93.3 79.0 118.6

141 30.8 25.0 37.6





#43  
2,4,6-Trichlorophenol  
Concen: 46.047 ng  
RT: 13.001 min Scan# 1  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

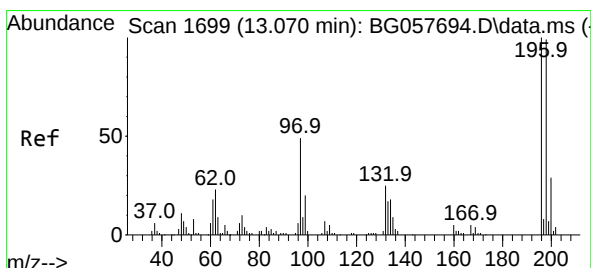
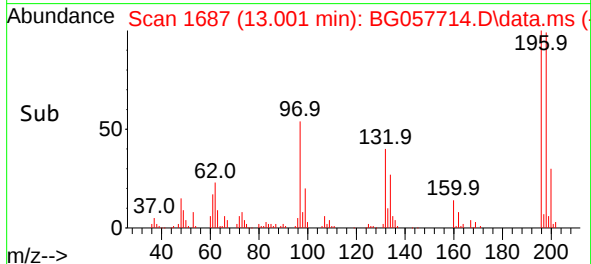
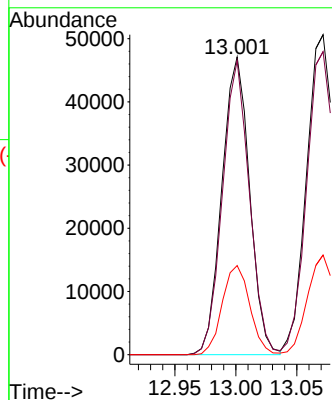
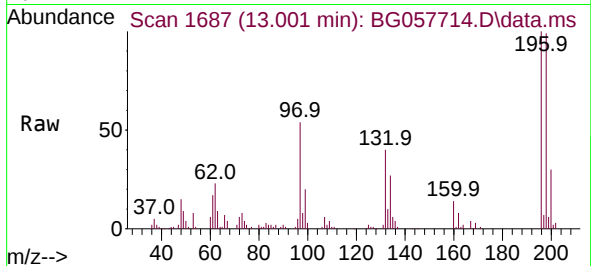
TP-4-GAMSD

Tgt Ion:196 Resp: 7450  
Ion Ratio Lower Upper  
196 100  
198 98.8 75.8 113.6  
200 29.9 24.6 37.0

Manual Integrations

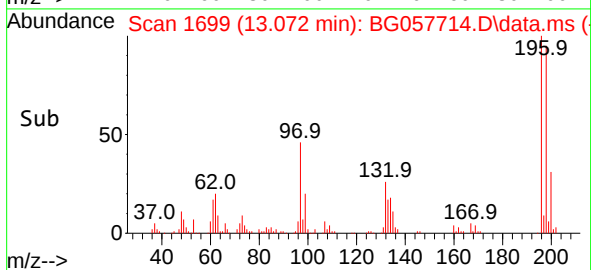
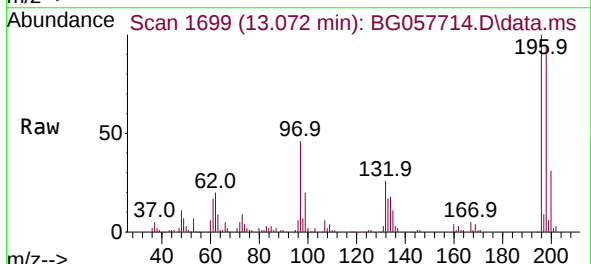
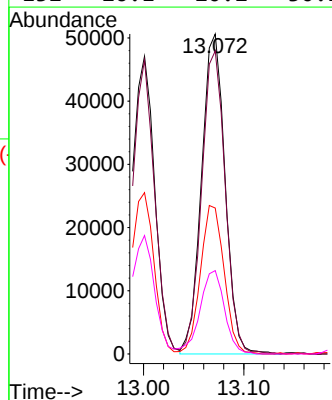
APPROVED

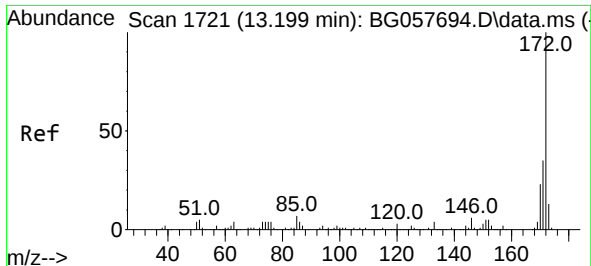
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#44  
2,4,5-Trichlorophenol  
Concen: 43.423 ng  
RT: 13.072 min Scan# 1699  
Delta R.T. 0.002 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:196 Resp: 82698  
Ion Ratio Lower Upper  
196 100  
198 94.7 79.2 118.8  
97 45.6 39.9 59.9  
132 26.1 20.2 30.2





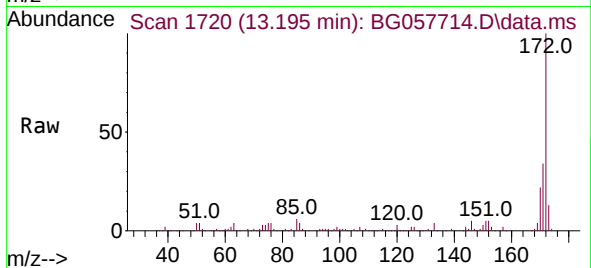
#45  
2-Fluorobiphenyl  
Concen: 49.574 ng  
RT: 13.195 min Scan# 1720  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

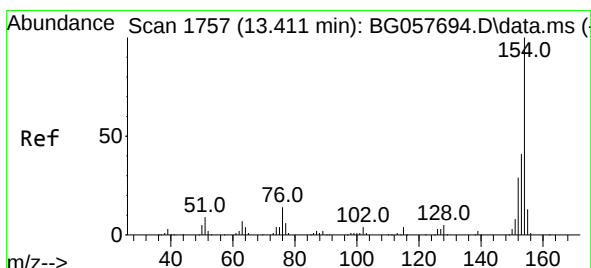
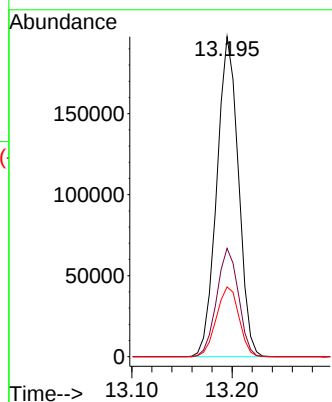
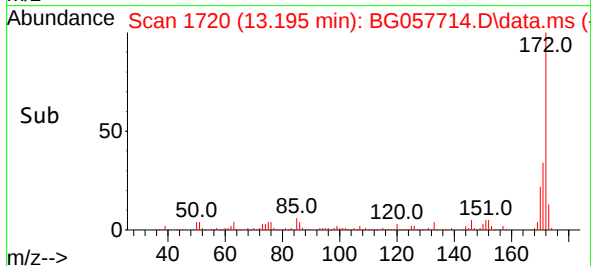


Tgt Ion:172 Resp: 294650  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.9 41.9  
170 21.8 18.2 27.4

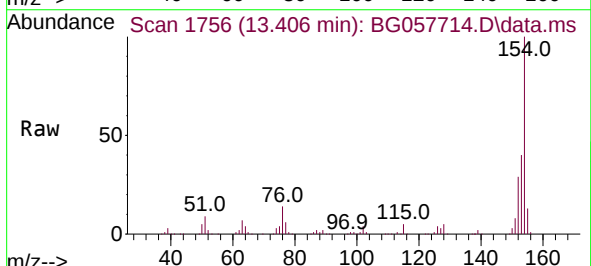
Manual Integrations

APPROVED

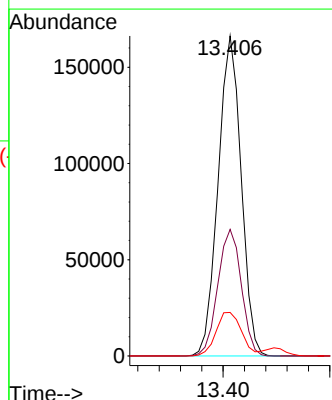
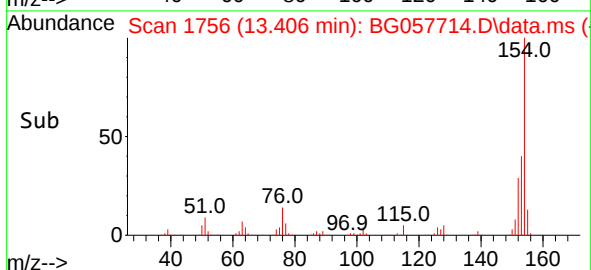
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

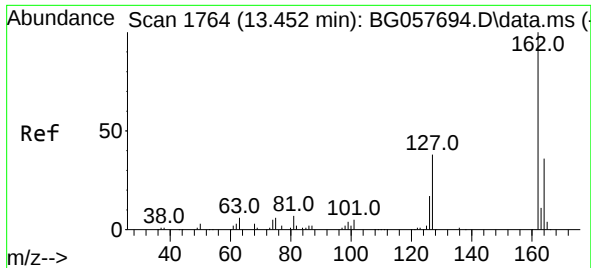


#46  
1,1'-Biphenyl  
Concen: 40.653 ng  
RT: 13.406 min Scan# 1756  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:154 Resp: 248857  
Ion Ratio Lower Upper  
154 100  
153 39.5 21.0 61.0  
76 13.6 0.0 33.9





#47  
2-Chloronaphthalene  
Concen: 41.781 ng  
RT: 13.448 min Scan# 1763  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

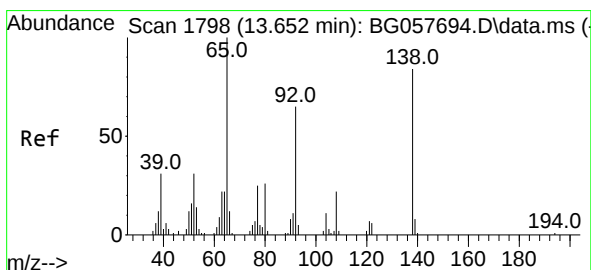
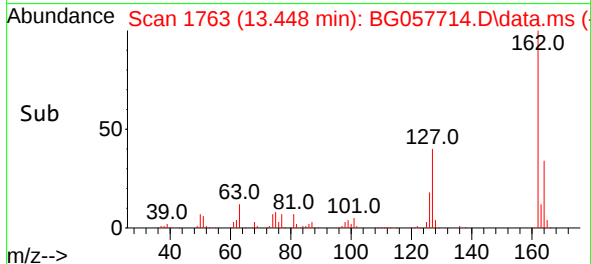
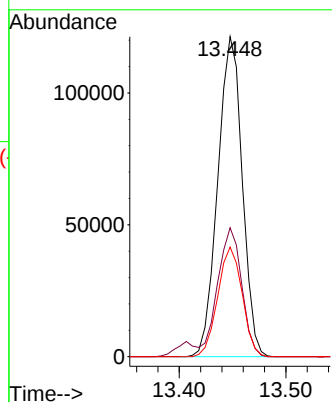
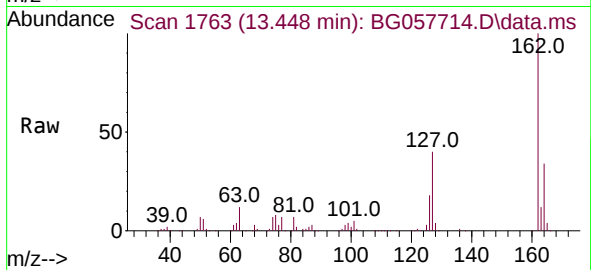
TP-4-GAMSD

Tgt Ion:162 Resp: 193308  
Ion Ratio Lower Upper  
162 100  
127 40.3 32.6 49.0  
164 34.2 29.0 43.4

Manual Integrations

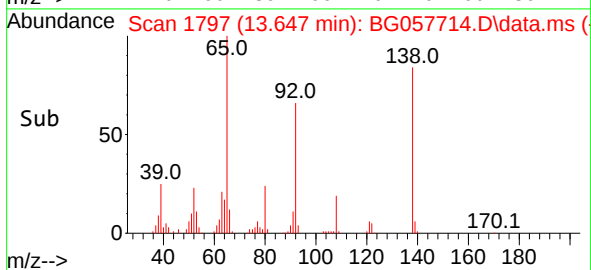
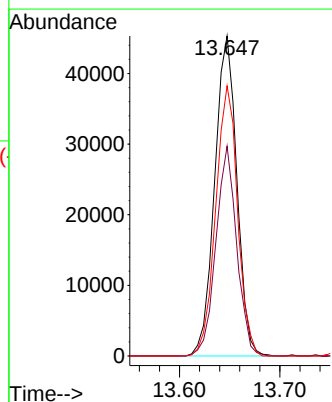
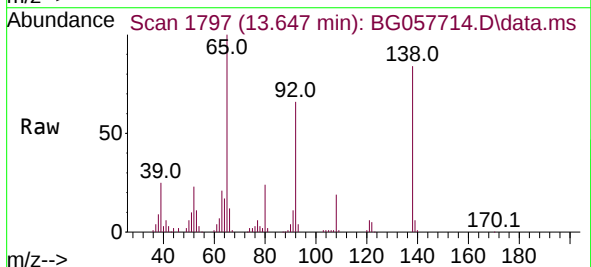
APPROVED

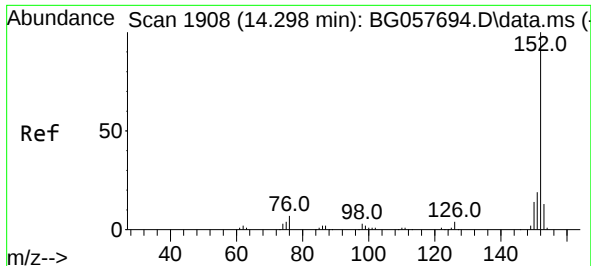
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#48  
2-Nitroaniline  
Concen: 53.371 ng  
RT: 13.647 min Scan# 1797  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion: 65 Resp: 69395  
Ion Ratio Lower Upper  
65 100  
92 65.5 52.2 78.4  
138 84.4 67.0 100.4





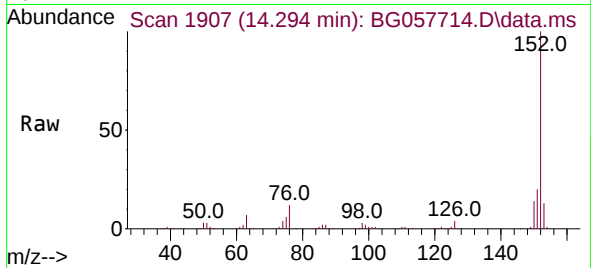
#49  
Acenaphthylene  
Concen: 39.669 ng  
RT: 14.294 min Scan# 1907  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

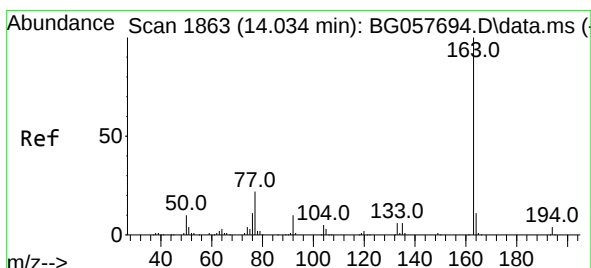
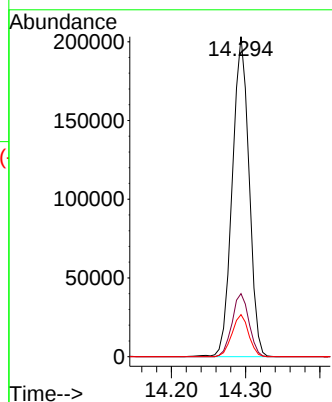
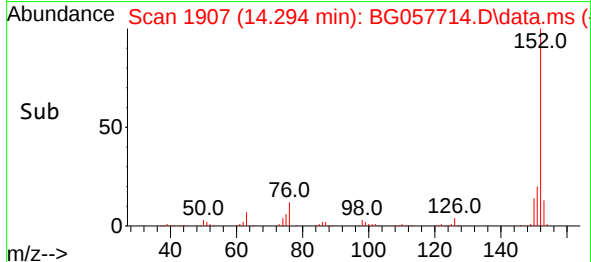


Tgt Ion:152 Resp: 31828  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.4 23.0  
153 13.2 10.5 15.7

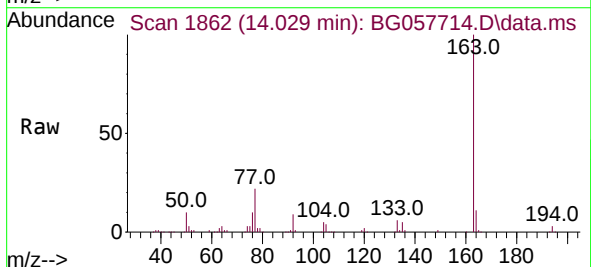
Manual Integrations

APPROVED

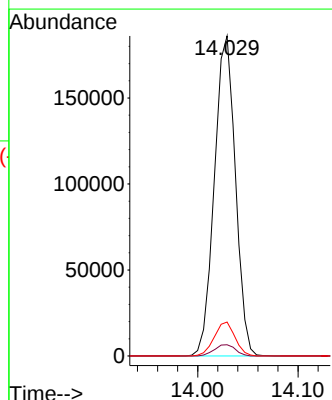
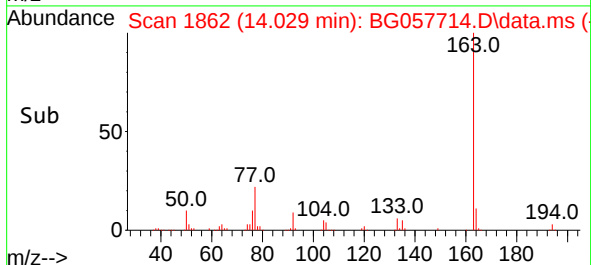
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

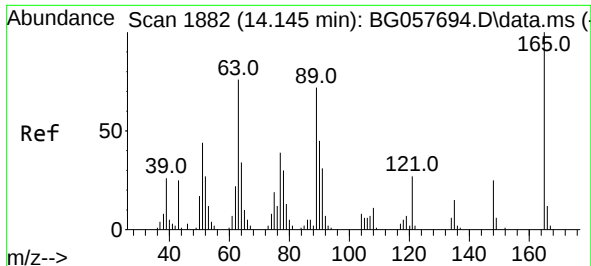


#50  
Dimethylphthalate  
Concen: 41.589 ng  
RT: 14.029 min Scan# 1862  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:163 Resp: 270172  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.1 4.7  
164 10.6 8.4 12.6





#51  
2,6-Dinitrotoluene  
Concen: 52.472 ng  
RT: 14.141 min Scan# 1882  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

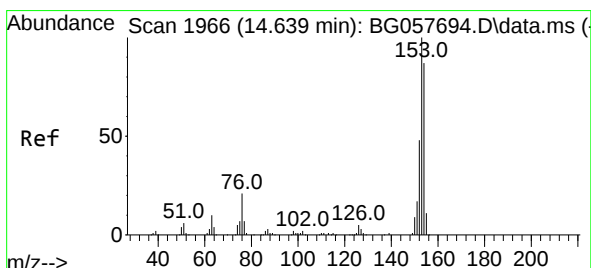
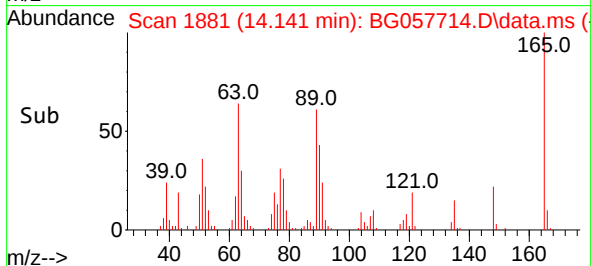
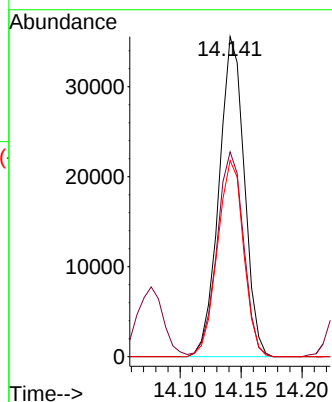
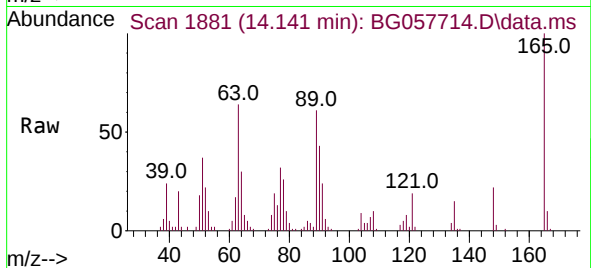
TP-4-GAMSD

Tgt Ion:165 Resp: 51438  
Ion Ratio Lower Upper  
165 100  
63 64.0 62.3 93.5  
89 61.3 57.4 86.0

Manual Integrations

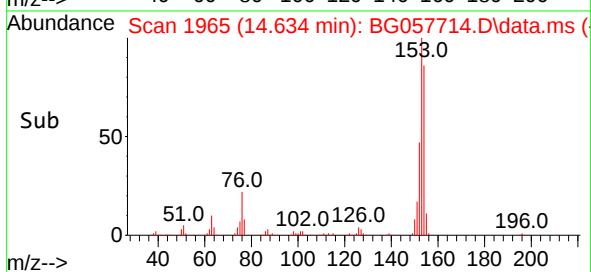
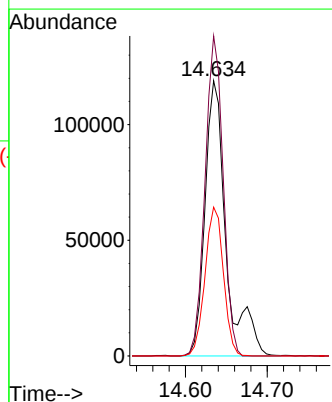
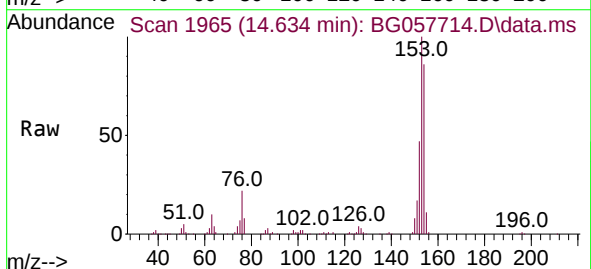
APPROVED

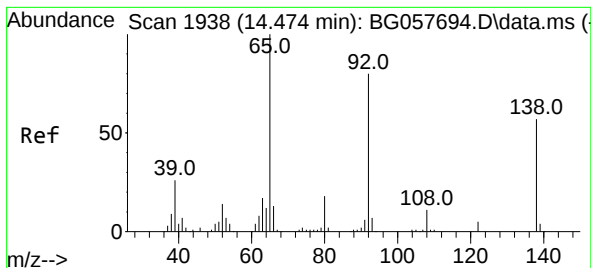
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#52  
Acenaphthene  
Concen: 44.536 ng m  
RT: 14.634 min Scan# 1965  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:154 Resp: 214199  
Ion Ratio Lower Upper  
154 100  
153 116.3 91.4 137.2  
152 54.1 43.5 65.3





#53  
3-Nitroaniline  
Concen: 43.390 ng  
RT: 14.470 min Scan# 1938  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

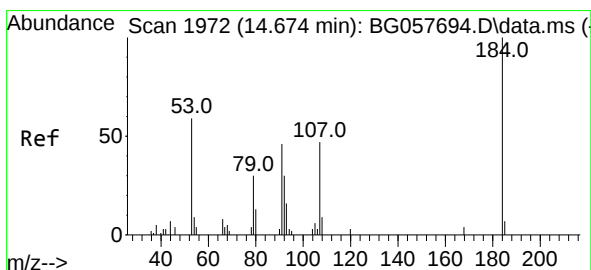
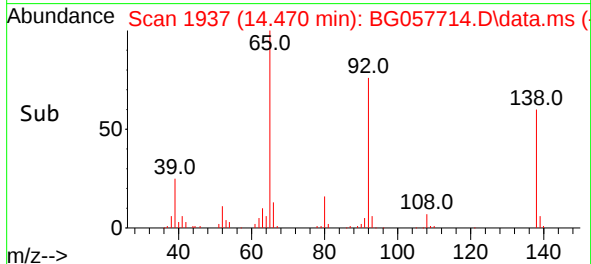
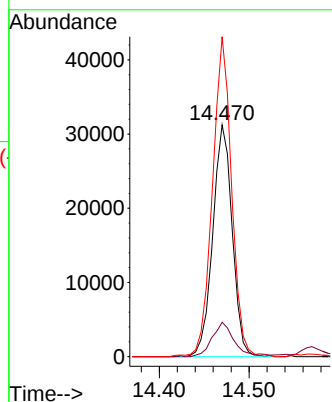
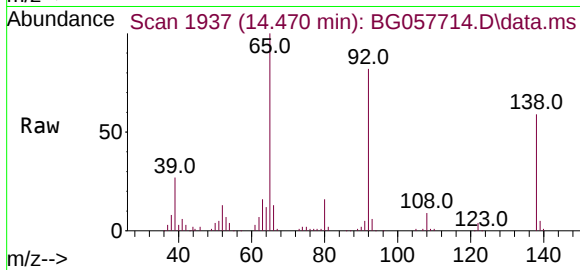
TP-4-GAMSD

Tgt Ion:138 Resp: 46910  
Ion Ratio Lower Upper  
138 100  
108 14.8 15.8 23.8  
92 138.1 112.2 168.2

Manual Integrations

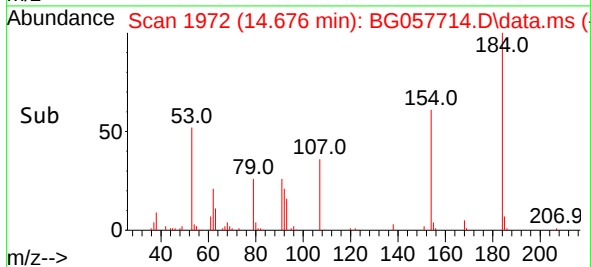
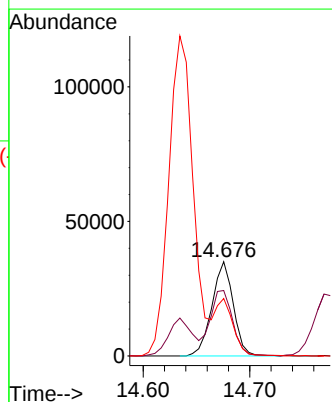
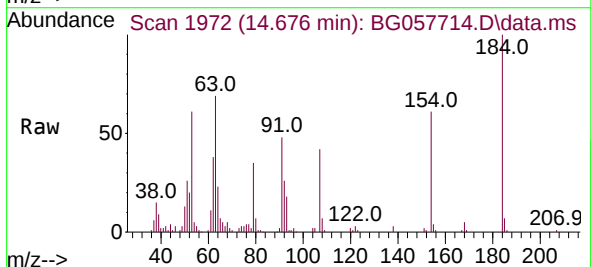
APPROVED

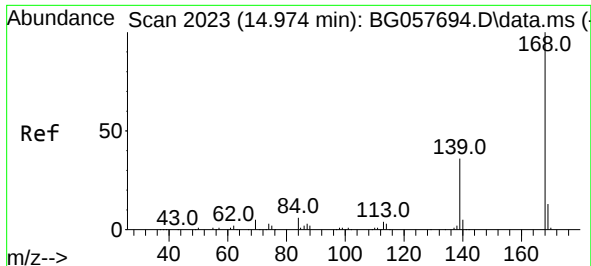
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#54  
2,4-Dinitrophenol  
Concen: 104.431 ng  
RT: 14.676 min Scan# 1972  
Delta R.T. 0.002 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:184 Resp: 48804  
Ion Ratio Lower Upper  
184 100  
63 69.4 59.0 88.6  
154 60.9 47.5 71.3





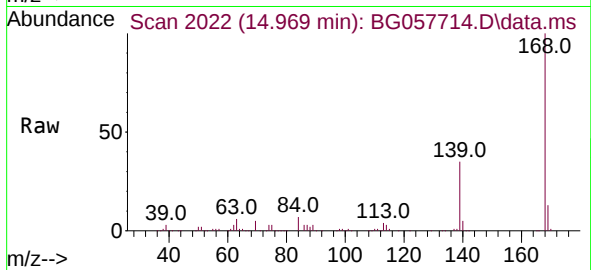
#55  
Dibenzenofuran  
Concen: 38.832 ng  
RT: 14.969 min Scan# 2023  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

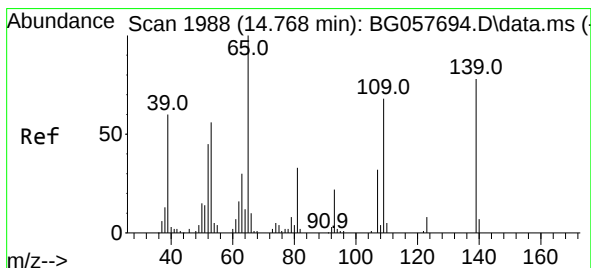
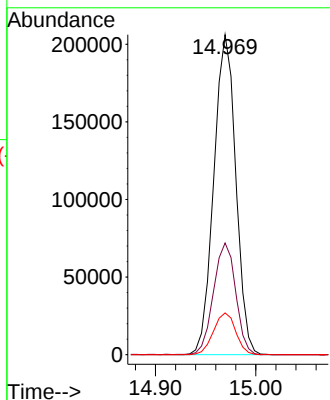
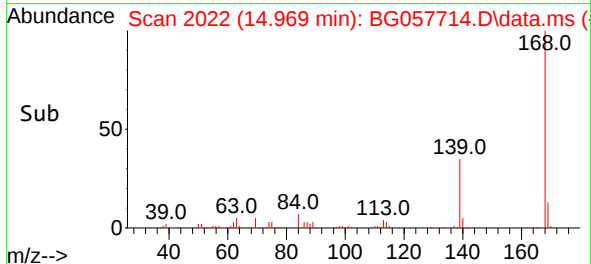


Tgt Ion:168 Resp: 31349  
Ion Ratio Lower Upper  
168 100  
139 34.9 28.7 43.1  
169 13.1 10.4 15.6

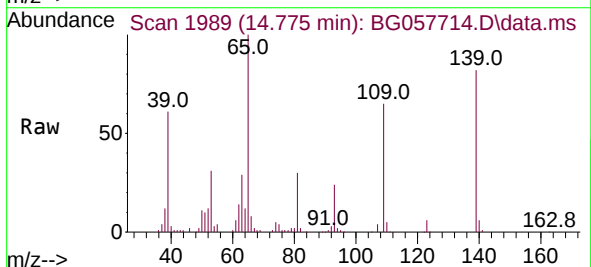
Manual Integrations

APPROVED

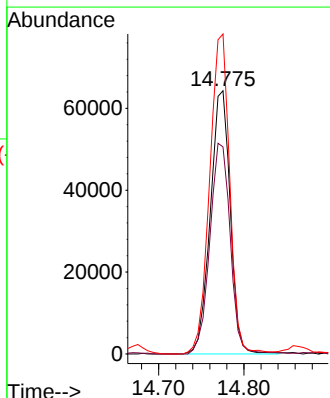
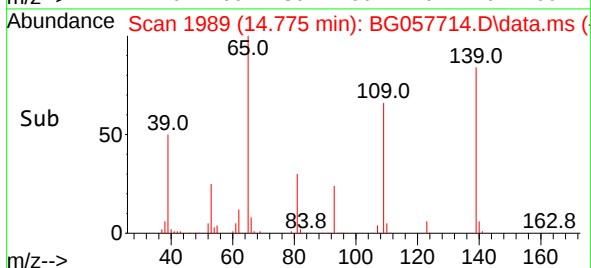
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

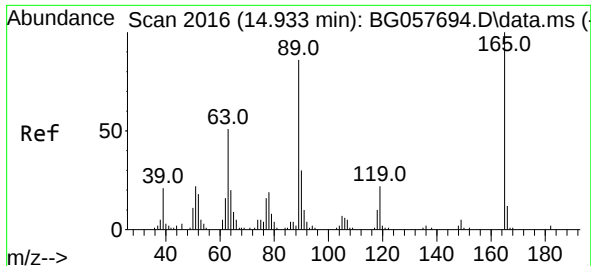


#56  
4-Nitrophenol  
Concen: 96.486 ng  
RT: 14.775 min Scan# 1989  
Delta R.T. 0.007 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:139 Resp: 104473  
Ion Ratio Lower Upper  
139 100  
109 78.6 67.3 107.3  
65 121.6 108.3 148.3





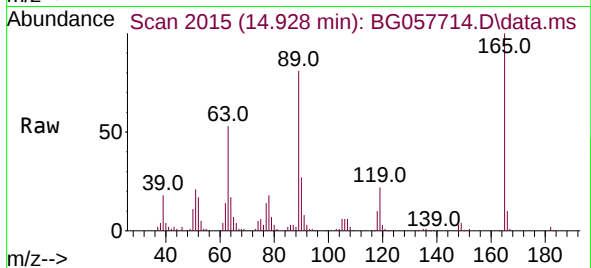
#57  
2,4-Dinitrotoluene  
Concen: 55.322 ng  
RT: 14.928 min Scan# 2015  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

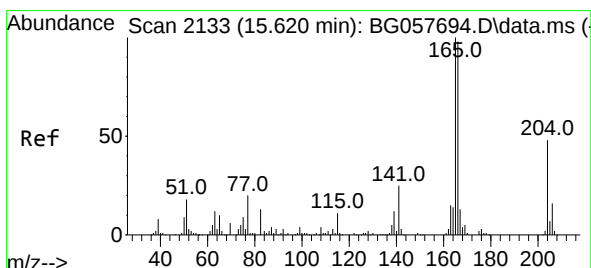
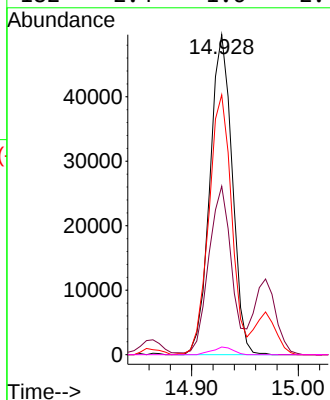
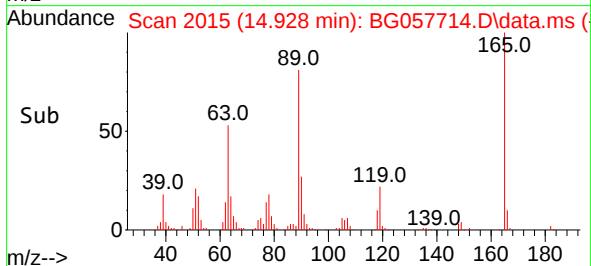


Tgt Ion:165 Resp: 71899  
Ion Ratio Lower Upper  
165 100  
63 52.7 40.8 61.2  
89 81.2 68.5 102.7  
182 2.4 1.6 2.4

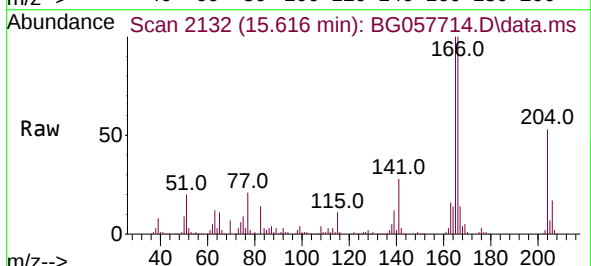
Manual Integrations

APPROVED

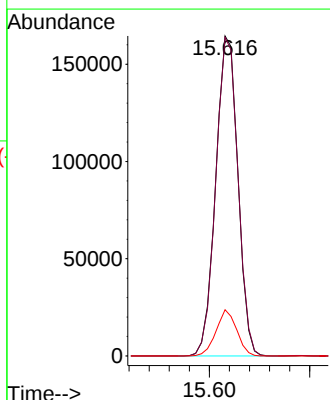
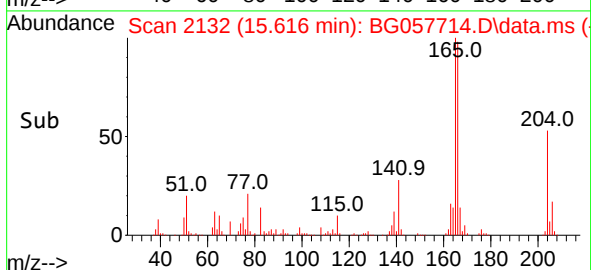
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

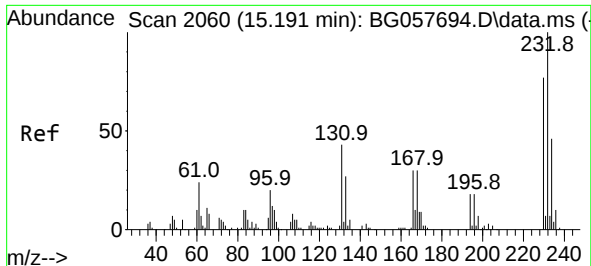


#58  
Fluorene  
Concen: 39.123 ng  
RT: 15.616 min Scan# 2132  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:166 Resp: 251603  
Ion Ratio Lower Upper  
166 100  
165 99.6 81.6 122.4  
167 14.4 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.251 ng  
RT: 15.193 min Scan# 2060  
Delta R.T. 0.002 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

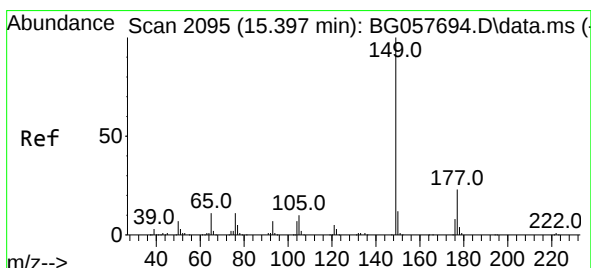
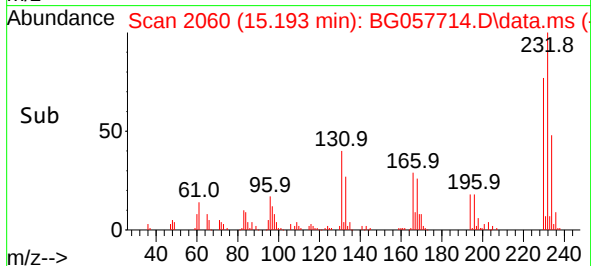
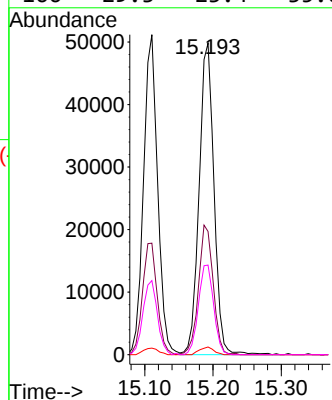
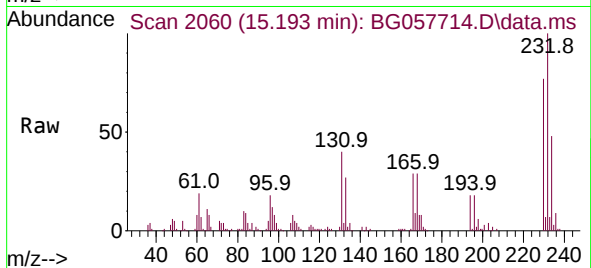
TP-4-GAMSD

Tgt Ion:232 Resp: 75478  
Ion Ratio Lower Upper  
232 100  
131 41.0 32.6 49.0  
130 2.3 1.6 2.4  
166 29.3 23.4 35.0

Manual Integrations

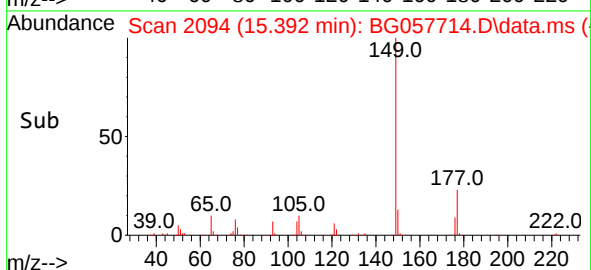
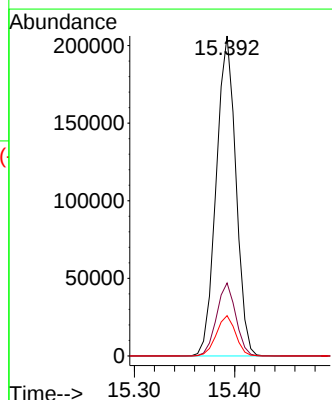
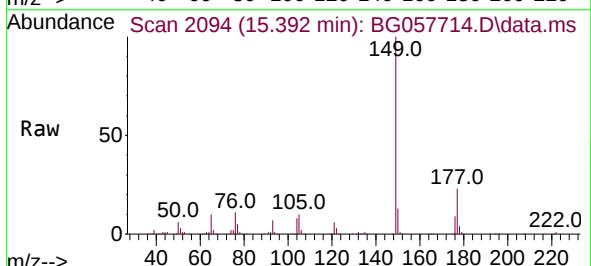
APPROVED

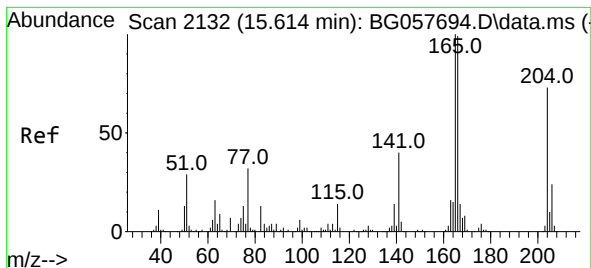
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#60  
Diethylphthalate  
Concen: 41.704 ng  
RT: 15.392 min Scan# 2094  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:149 Resp: 279658  
Ion Ratio Lower Upper  
149 100  
177 22.8 18.2 27.2  
150 12.6 9.6 14.4





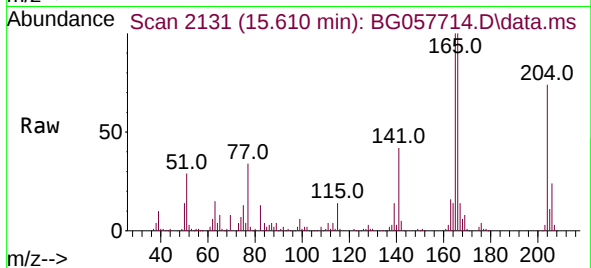
#61  
4-Chlorophenyl-phenylether  
Concen: 38.228 ng  
RT: 15.610 min Scan# 2131  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

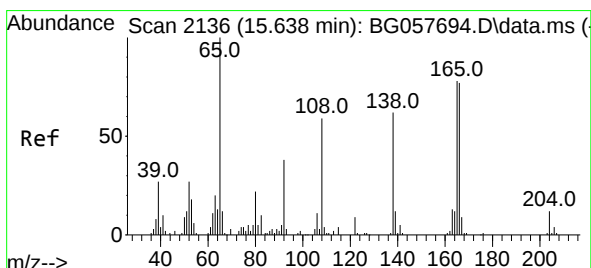
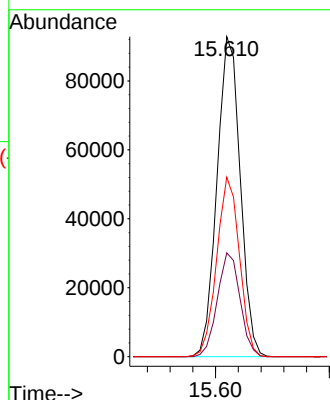
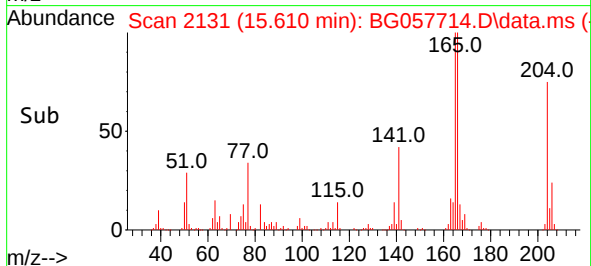


Tgt Ion:204 Resp: 13171  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.6 39.8  
141 56.1 43.8 65.6

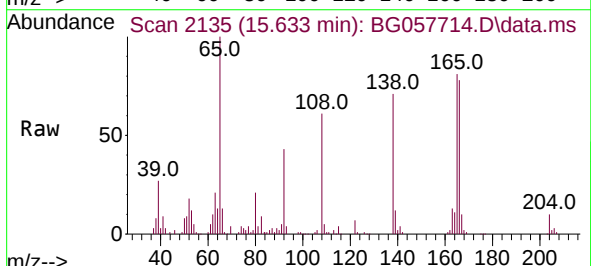
Manual Integrations

APPROVED

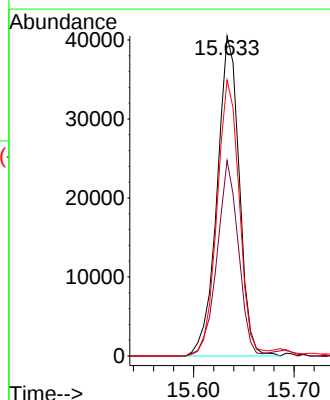
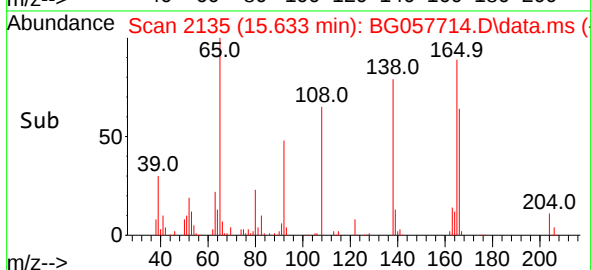
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

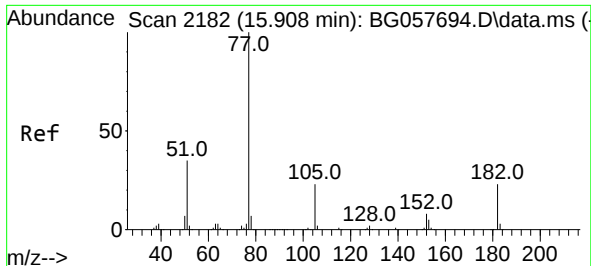


#62  
4-Nitroaniline  
Concen: 50.203 ng  
RT: 15.633 min Scan# 2135  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:138 Resp: 62168  
Ion Ratio Lower Upper  
138 100  
92 61.1 41.6 81.6  
108 86.2 74.8 114.8





#63  
 Azobenzene  
 Concen: 40.923 ng  
 RT: 15.904 min Scan# 2182  
 Delta R.T. -0.004 min  
 Lab File: BG057714.D  
 Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

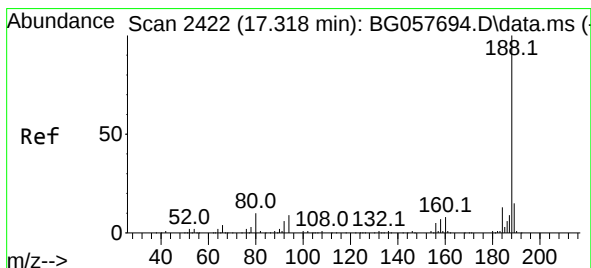
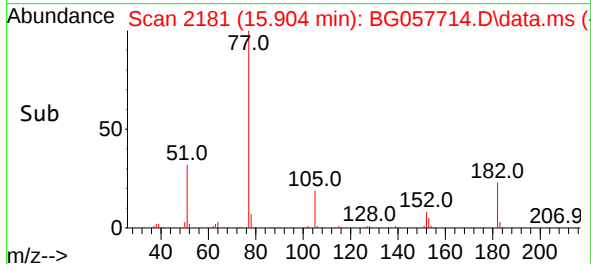
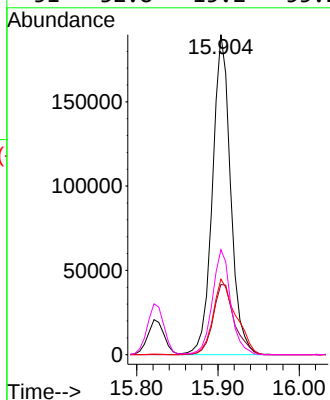
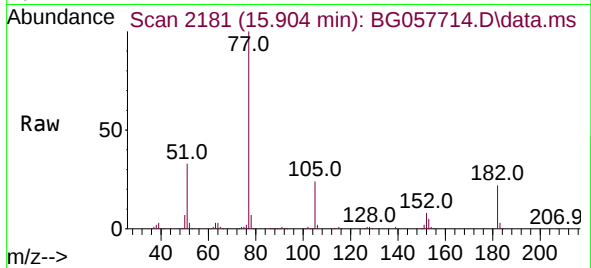
TP-4-GAMSD

Tgt Ion: 77 Resp: 29506  
 Ion Ratio Lower Upper  
 77 100  
 182 21.9 3.2 43.2  
 105 23.6 3.3 43.3  
 51 32.8 15.2 55.2

Manual Integrations

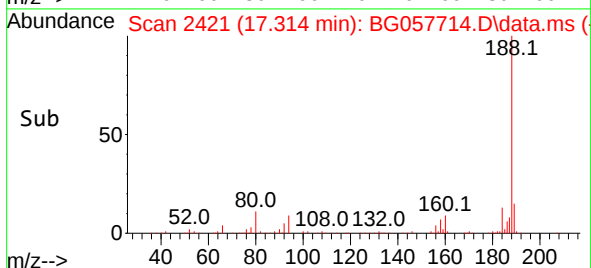
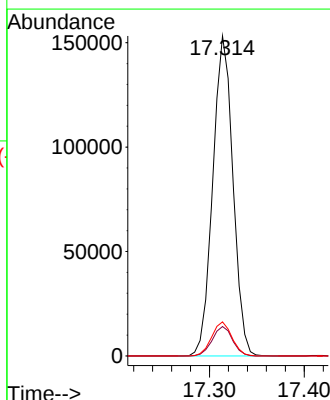
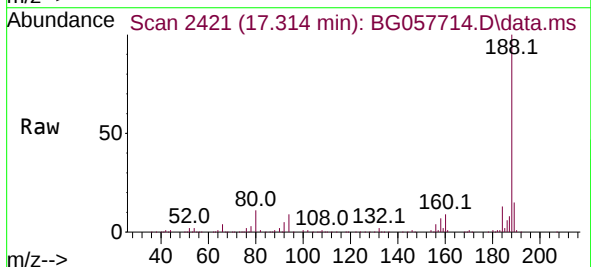
APPROVED

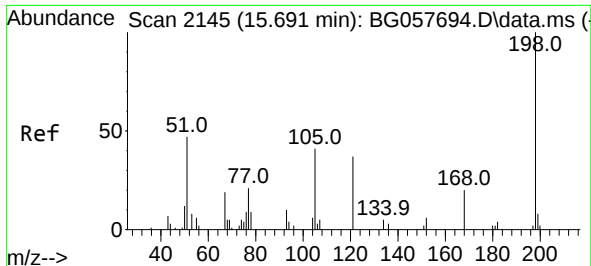
Reviewed By :Yogesh Patel 06/15/2023  
 Supervised By :mohammad ahmed 06/16/2023



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.314 min Scan# 2421  
 Delta R.T. -0.004 min  
 Lab File: BG057714.D  
 Acq: 14 Jun 2023 19:24

Tgt Ion:188 Resp: 226486  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 6.9 10.3  
 80 10.6 8.2 12.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 62.074 ng  
RT: 15.692 min Scan# 2145  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

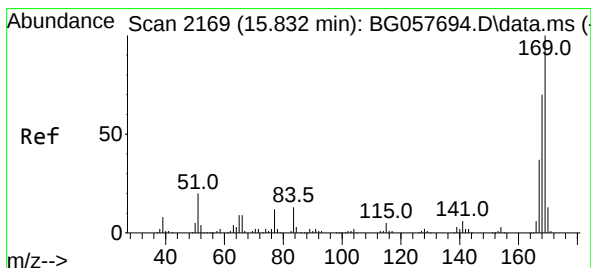
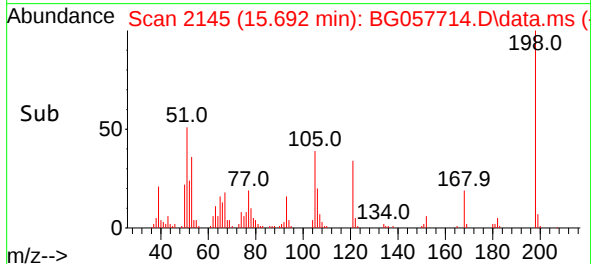
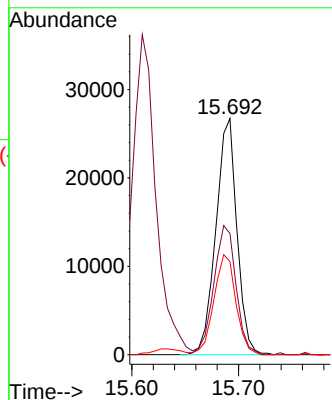
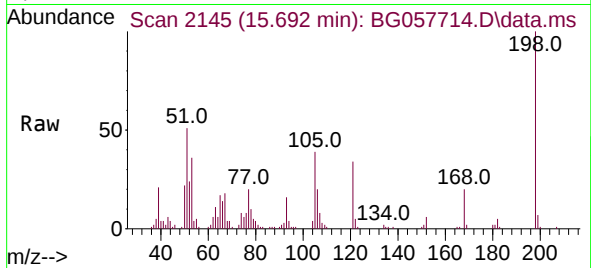
ClientSampleId :

TP-4-GAMSD

Tgt Ion:198 Resp: 3662  
Ion Ratio Lower Upper  
198 100  
51 51.3 42.0 82.0  
105 39.4 30.9 70.9

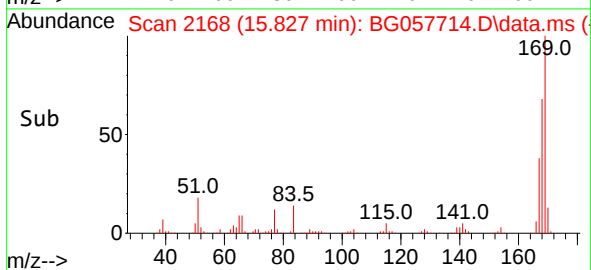
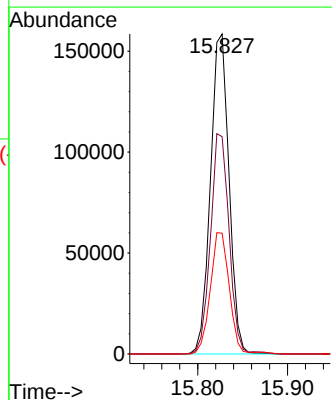
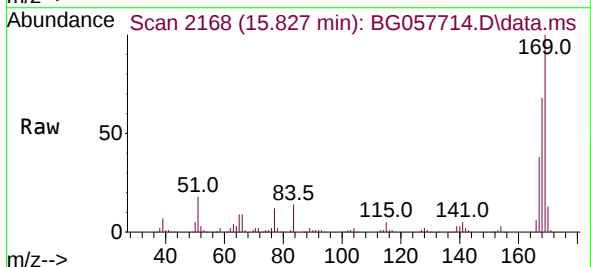
Manual Integrations  
APPROVED

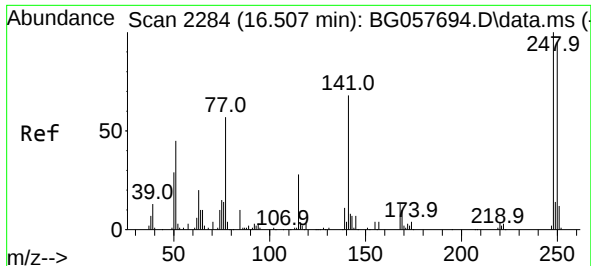
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#66  
n-Nitrosodiphenylamine  
Concen: 38.373 ng  
RT: 15.827 min Scan# 2168  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:169 Resp: 227191  
Ion Ratio Lower Upper  
169 100  
168 67.9 55.8 83.6  
167 37.8 30.1 45.1





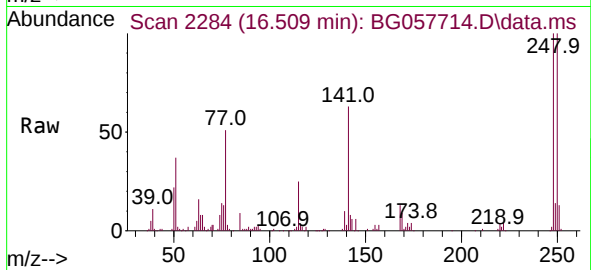
#67  
4-Bromophenyl-phenylether  
Concen: 38.236 ng  
RT: 16.509 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

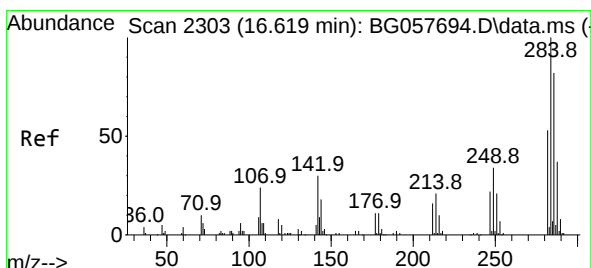
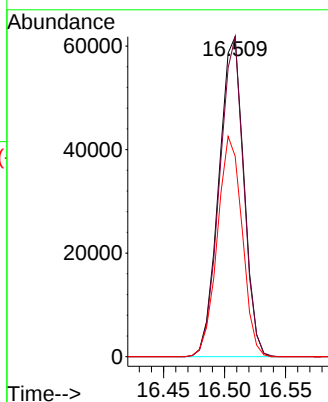
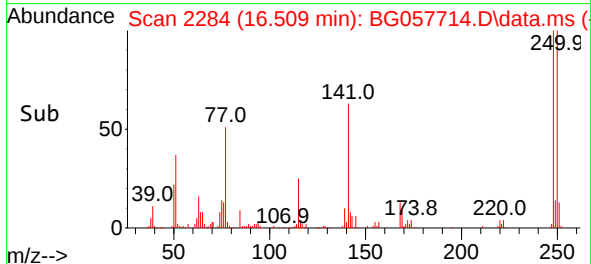


Tgt Ion:248 Resp: 88179  
Ion Ratio Lower Upper  
248 100  
250 100.0 76.3 114.5  
141 62.6 54.6 82.0

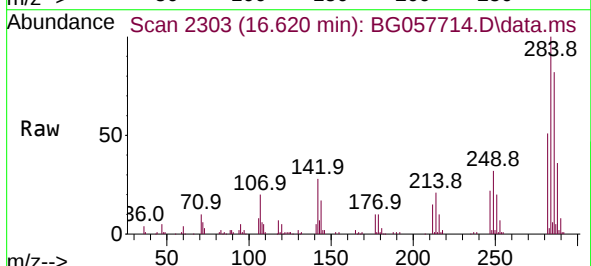
Manual Integrations

APPROVED

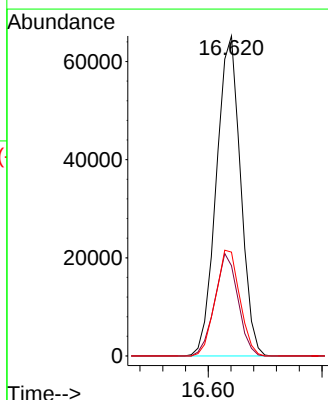
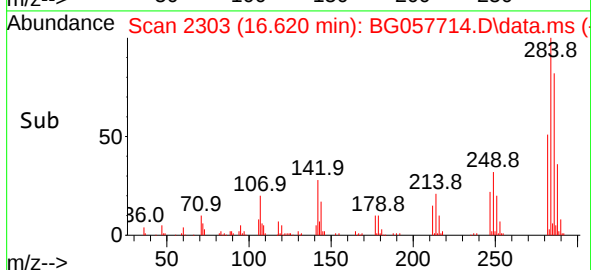
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

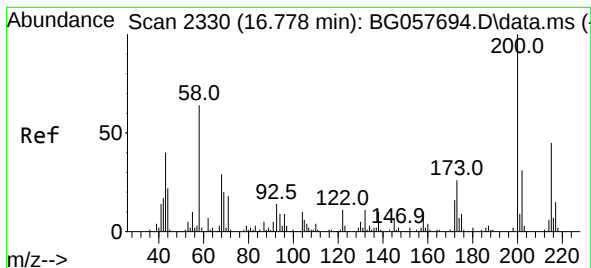


#68  
Hexachlorobenzene  
Concen: 39.903 ng  
RT: 16.620 min Scan# 2303  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:284 Resp: 96170  
Ion Ratio Lower Upper  
284 100  
142 28.2 24.1 36.1  
249 32.4 26.8 40.2





#69

Atrazine

Concen: 50.228 ng

RT: 16.773 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

Tgt Ion:200 Resp: 98939

Ion Ratio Lower Upper

200 100

173 27.4 6.3 46.3

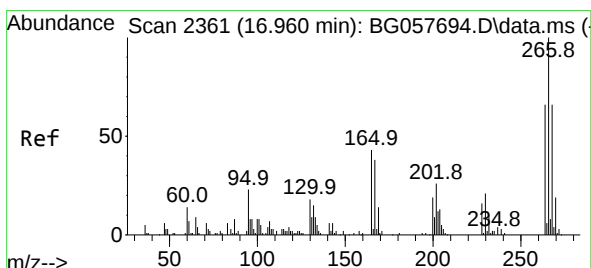
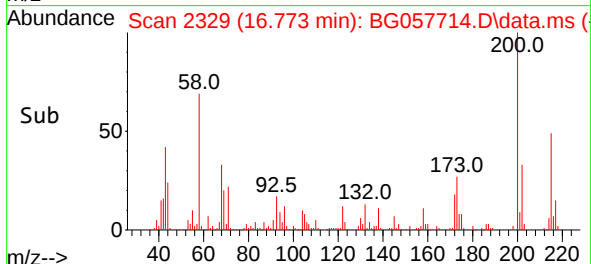
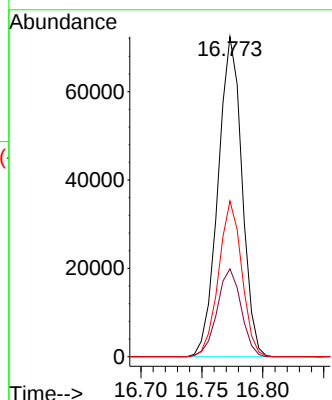
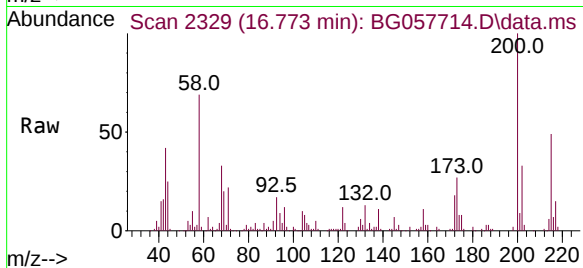
215 48.7 25.4 65.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#70

Pentachlorophenol

Concen: 91.440 ng

RT: 16.961 min Scan# 2361

Delta R.T. 0.001 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

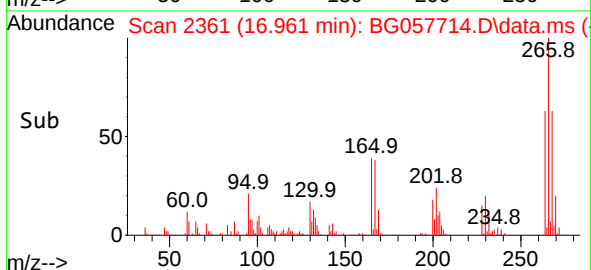
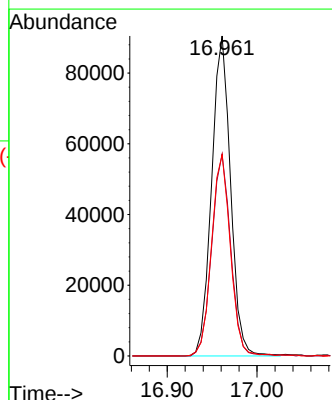
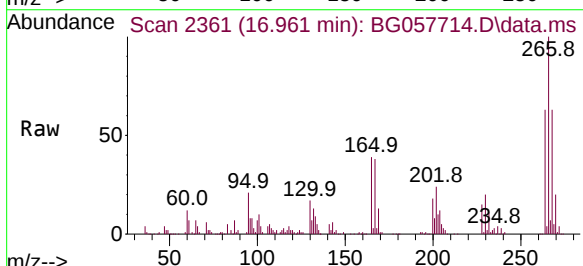
Tgt Ion:266 Resp: 132307

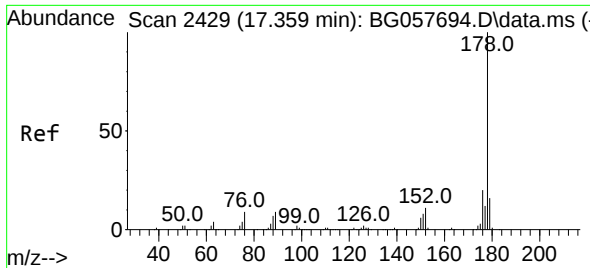
Ion Ratio Lower Upper

266 100

268 63.0 53.0 79.6

264 62.9 52.4 78.6





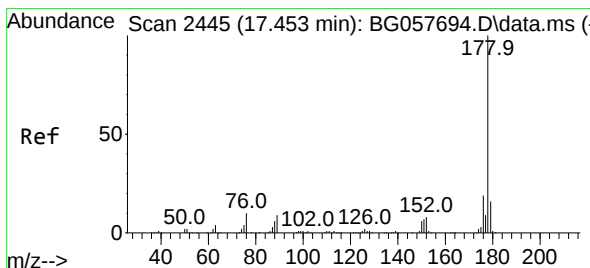
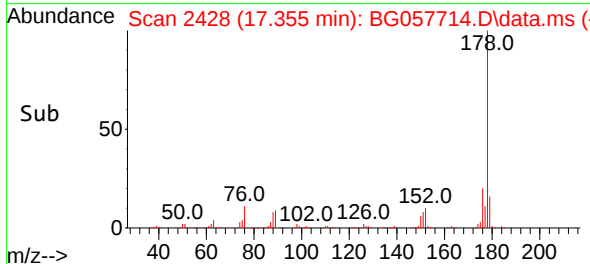
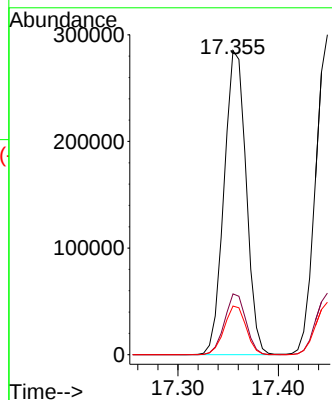
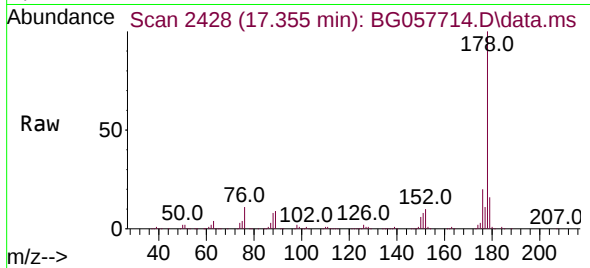
#71  
Phenanthrene  
Concen: 39.308 ng  
RT: 17.355 min Scan# 2429  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD

Tgt Ion:178 Resp: 43442  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.2 24.2  
179 16.0 13.0 19.6

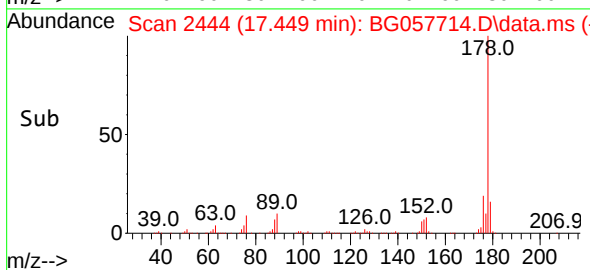
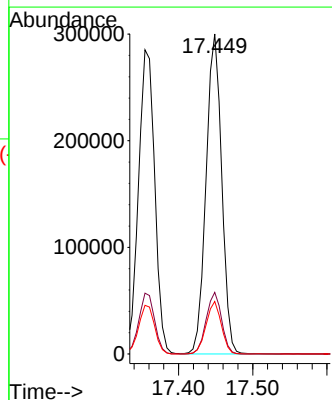
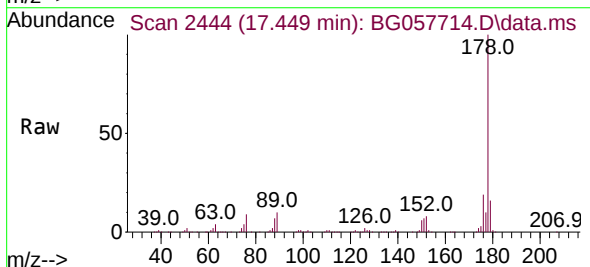
Manual Integrations  
APPROVED

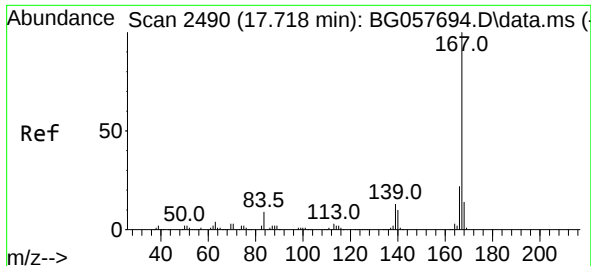
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#72  
Anthracene  
Concen: 39.356 ng  
RT: 17.449 min Scan# 2444  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:178 Resp: 440629  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 16.4 12.9 19.3





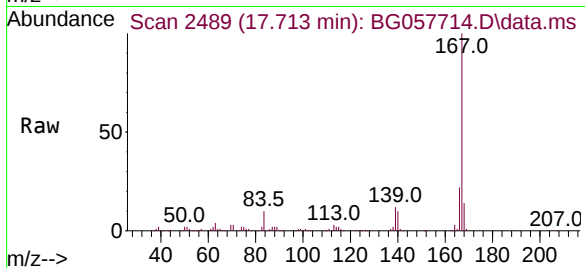
#73  
 Carbazole  
 Concen: 42.408 ng  
 RT: 17.713 min Scan# 2490  
 Delta R.T. -0.004 min  
 Lab File: BG057714.D  
 Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD



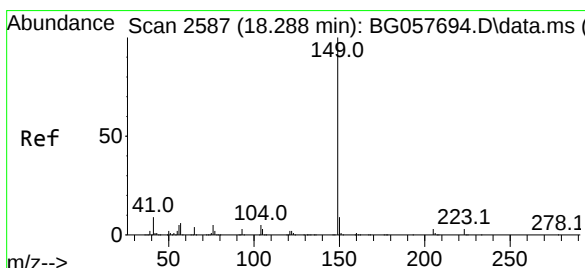
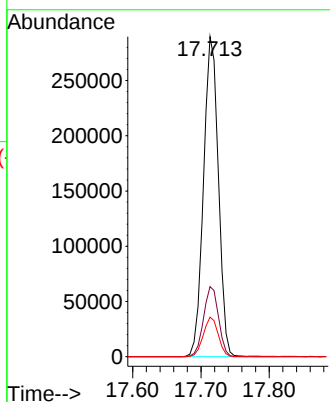
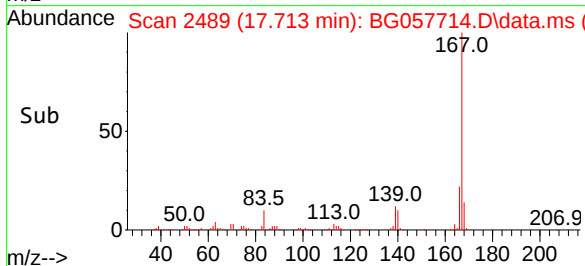
Tgt Ion:167 Resp: 439719  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.2  
 139 12.3 10.2 15.2

Manual Integrations

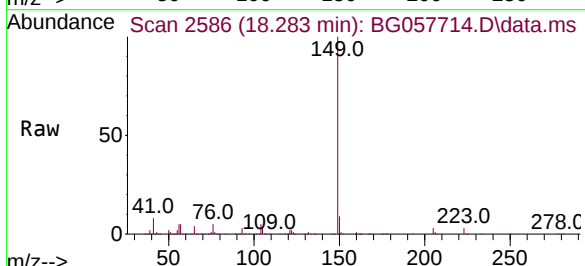
APPROVED

Reviewed By :Yogesh Patel 06/15/2023

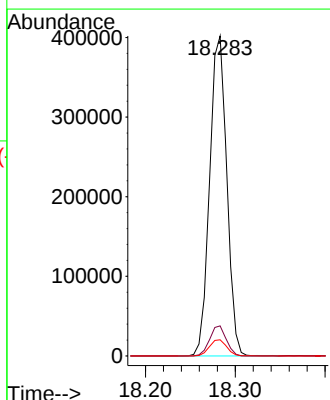
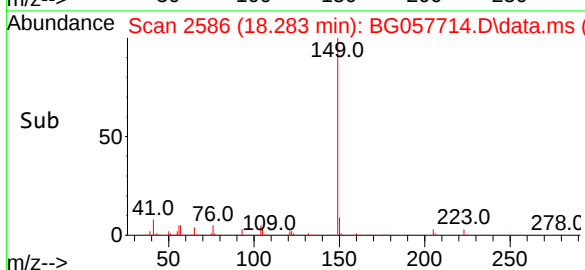
Supervised By :mohammad ahmed 06/16/2023

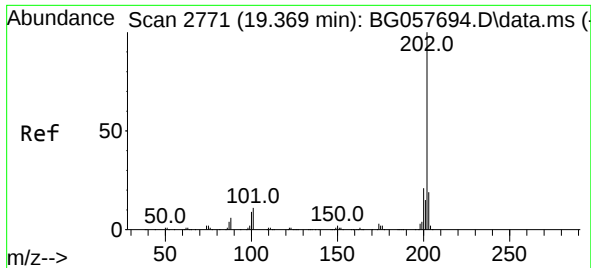


#74  
 Di-n-butylphthalate  
 Concen: 46.351 ng  
 RT: 18.283 min Scan# 2586  
 Delta R.T. -0.004 min  
 Lab File: BG057714.D  
 Acq: 14 Jun 2023 19:24



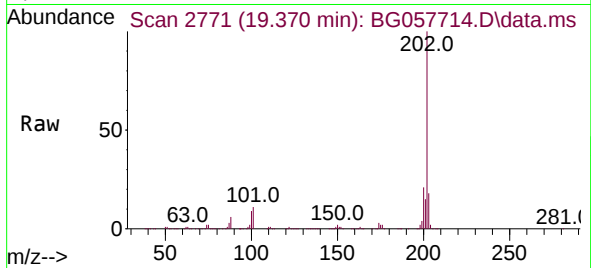
Tgt Ion:149 Resp: 532704  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.0 10.6  
 104 5.0 4.3 6.5





#75  
Fluoranthene  
Concen: 40.974 ng  
RT: 19.370 min Scan# 2771  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

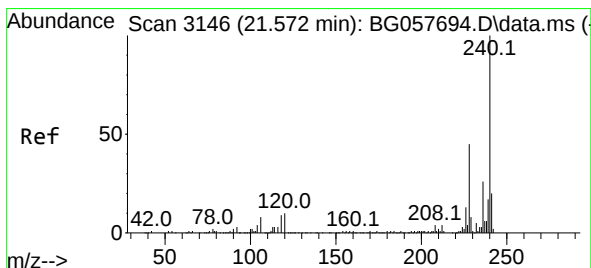
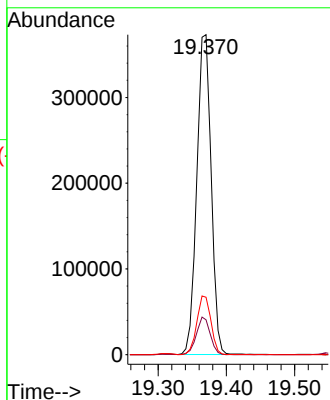
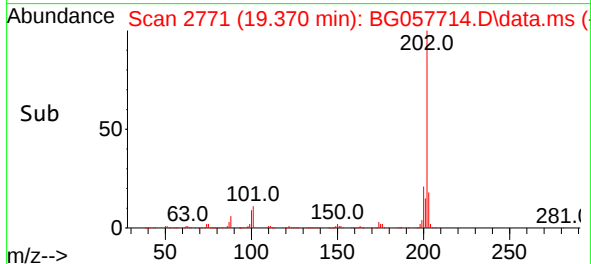
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



Tgt Ion:202 Resp: 545520  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 31.1  
203 17.9 0.0 38.5

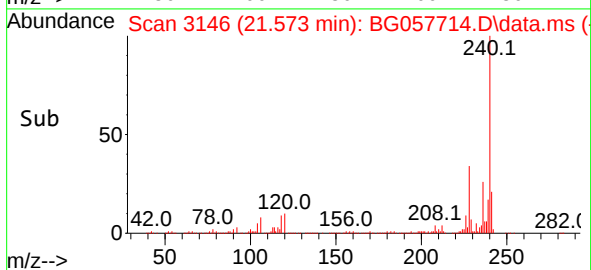
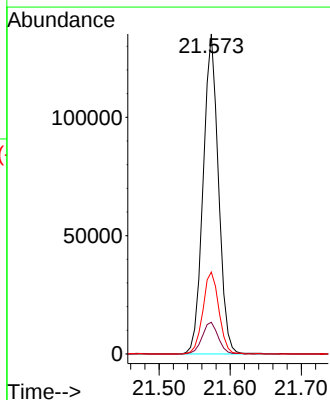
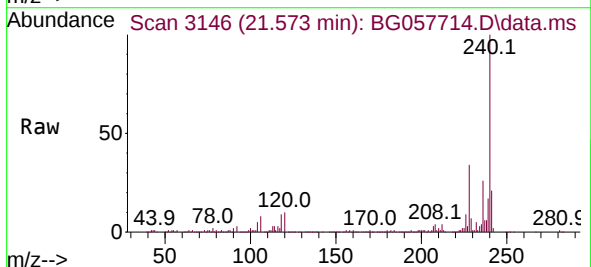
Manual Integrations  
APPROVED

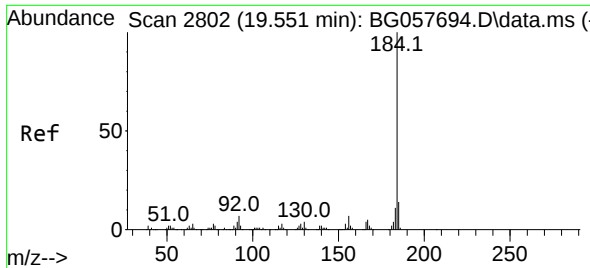
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.573 min Scan# 3146  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

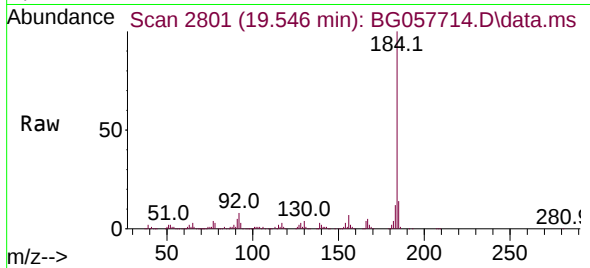
Tgt Ion:240 Resp: 202182  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.1 12.1  
236 25.6 20.7 31.1





#77  
Benzidine  
Concen: 65.257 ng  
RT: 19.546 min Scan# 2801  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

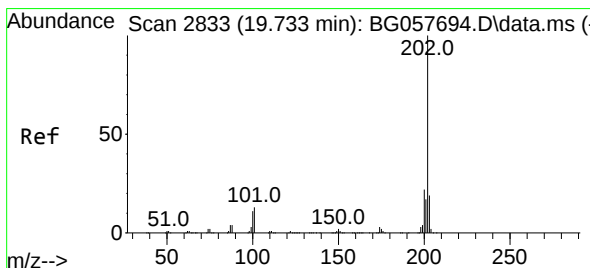
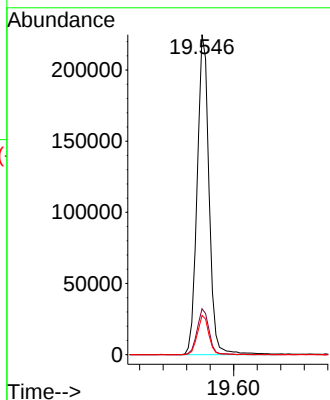
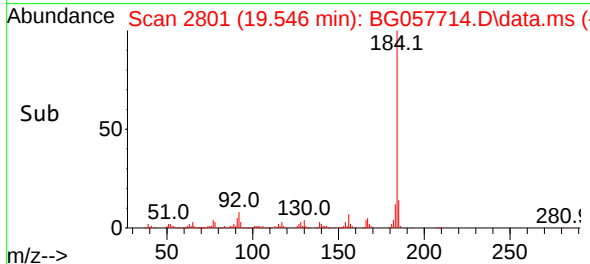
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



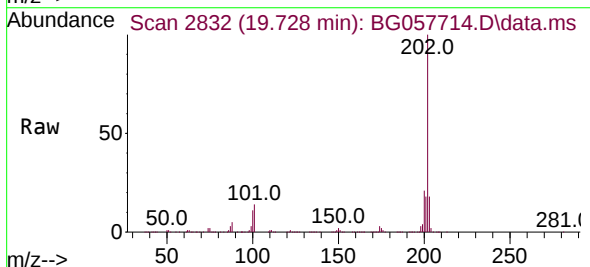
Tgt Ion:184 Resp: 314520  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.1 16.7  
183 12.3 8.4 12.6

Manual Integrations  
APPROVED

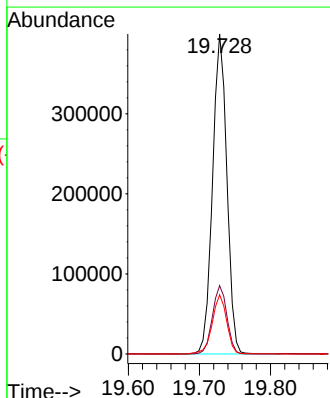
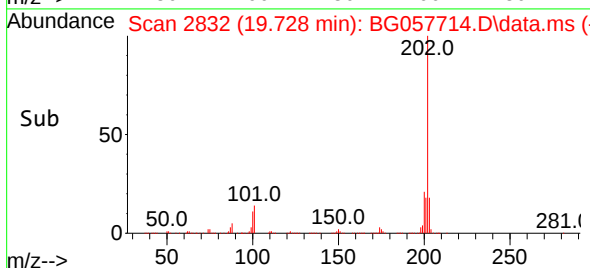
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023

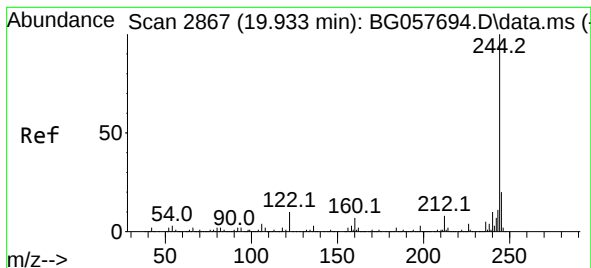


#78  
Pyrene  
Concen: 38.740 ng  
RT: 19.728 min Scan# 2832  
Delta R.T. -0.005 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24



Tgt Ion:202 Resp: 557286  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.4 26.0  
203 18.5 14.9 22.3





#79

Terphenyl-d14

Concen: 50.701 ng

RT: 19.928 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

Tgt Ion:244 Resp: 55444

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

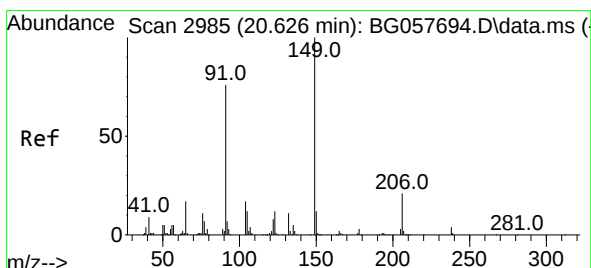
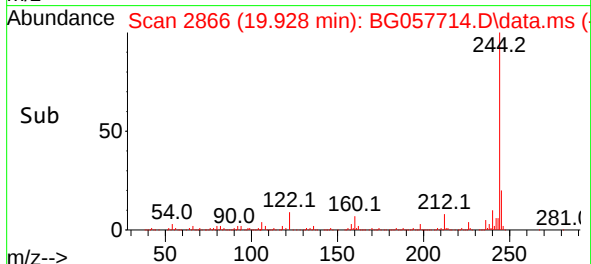
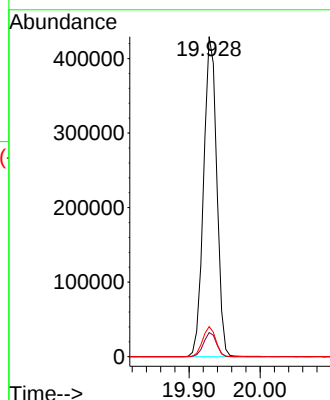
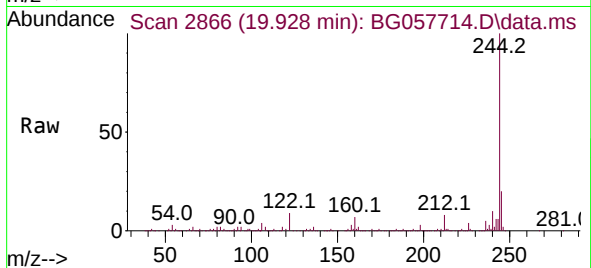
122 9.4 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#80

Butylbenzylphthalate

Concen: 46.175 ng

RT: 20.622 min Scan# 2984

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

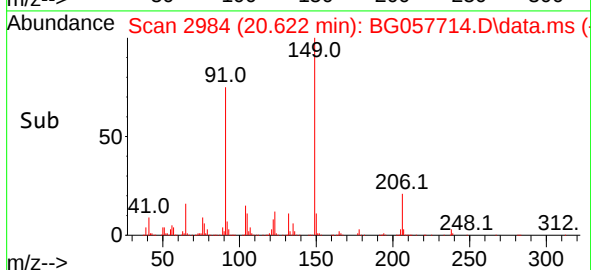
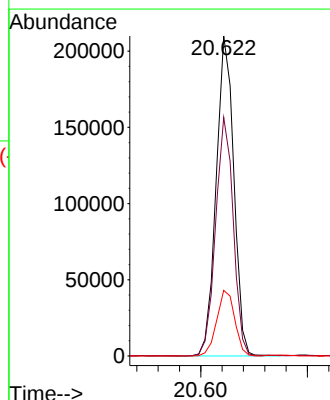
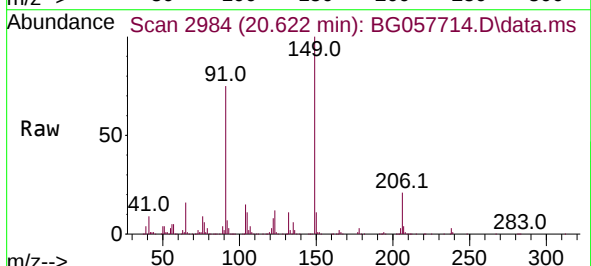
Tgt Ion:149 Resp: 240862

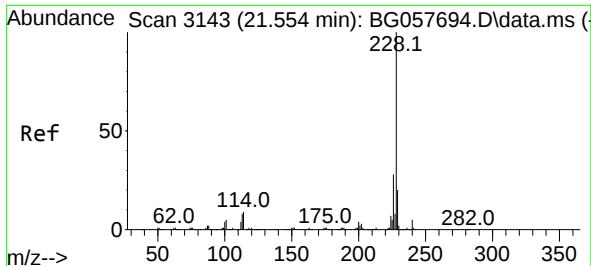
Ion Ratio Lower Upper

149 100

91 74.6 60.8 91.2

206 20.5 16.8 25.2





#81  
Benzo(a)anthracene  
Concen: 39.664 ng  
RT: 21.550 min Scan# 3143  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

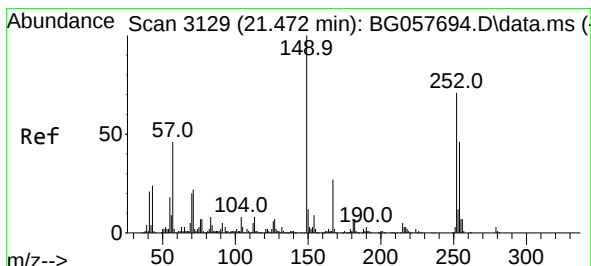
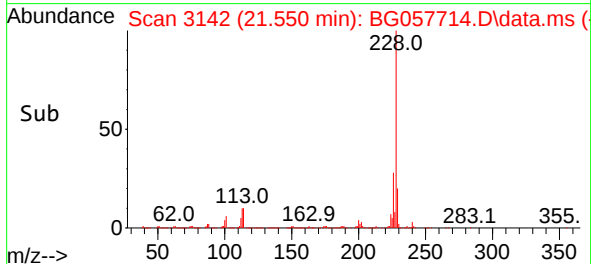
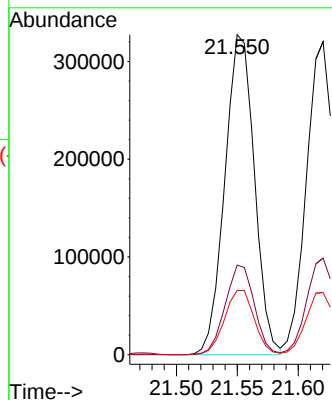
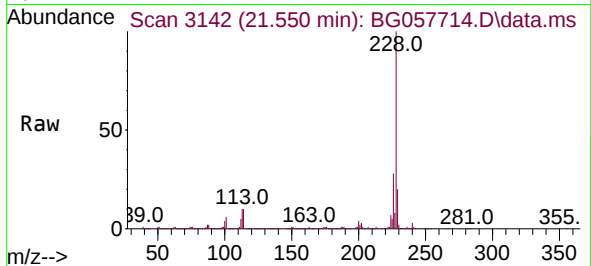
ClientSampleId :

TP-4-GAMSD

Tgt Ion:228 Resp: 553818  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.4 33.6  
229 20.0 15.9 23.9

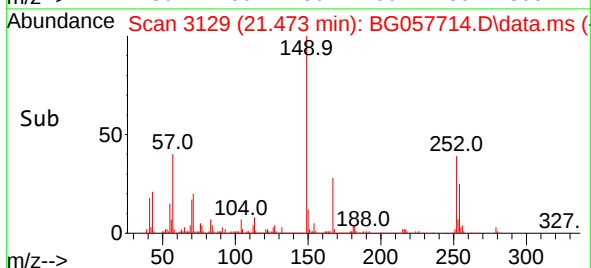
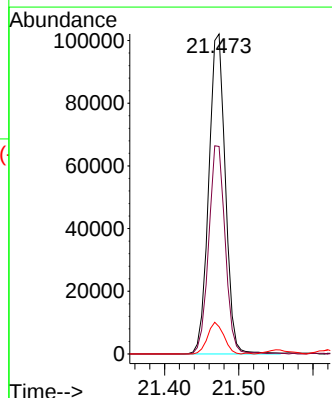
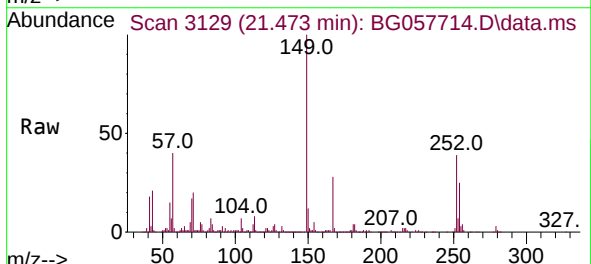
Manual Integrations  
APPROVED

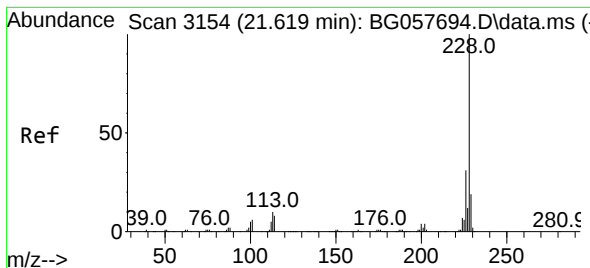
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 34.790 ng  
RT: 21.473 min Scan# 3129  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:252 Resp: 158225  
Ion Ratio Lower Upper  
252 100  
254 64.9 51.9 77.9  
126 8.5 7.4 11.0





#83

Chrysene

Concen: 38.604 ng

RT: 21.620 min Scan# 3154

Delta R.T. 0.001 min

Lab File: BG057714.D

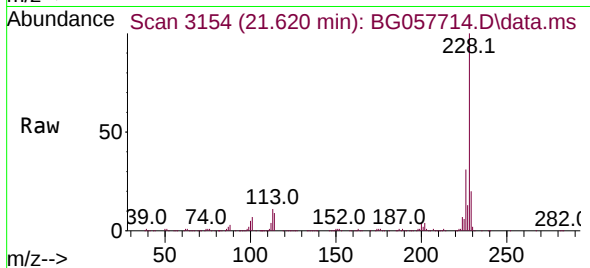
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD



Tgt Ion:228 Resp: 512978

Ion Ratio Lower Upper

228 100

226 30.9 24.6 36.8

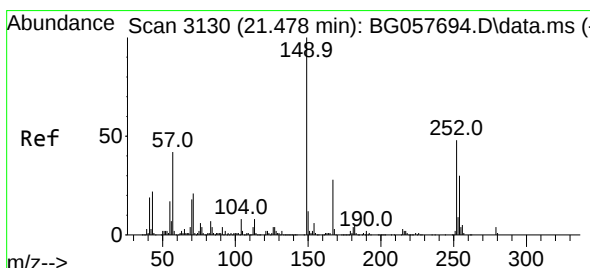
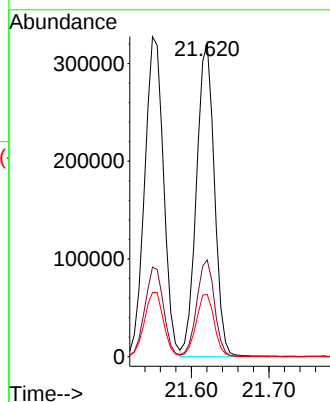
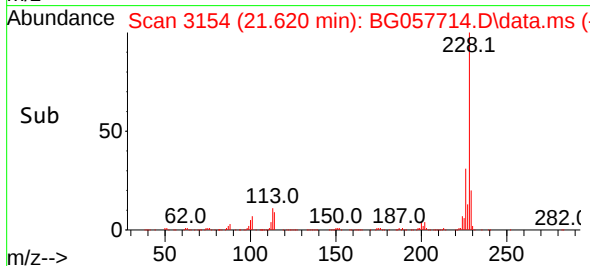
229 19.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.840 ng

RT: 21.473 min Scan# 3129

Delta R.T. -0.005 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

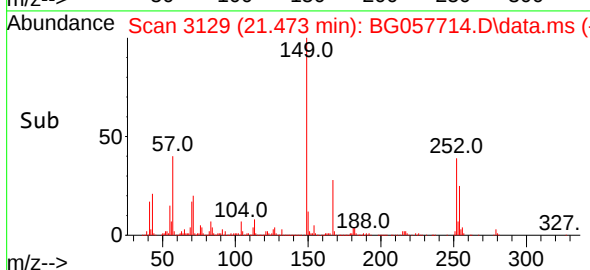
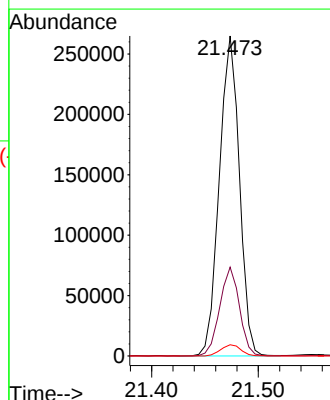
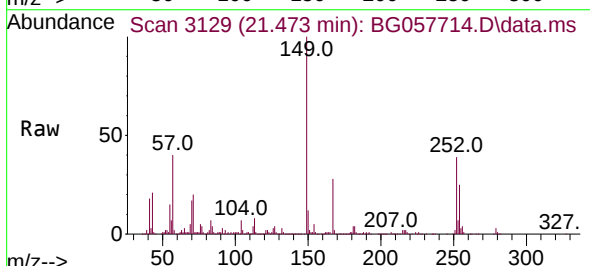
Tgt Ion:149 Resp: 346132

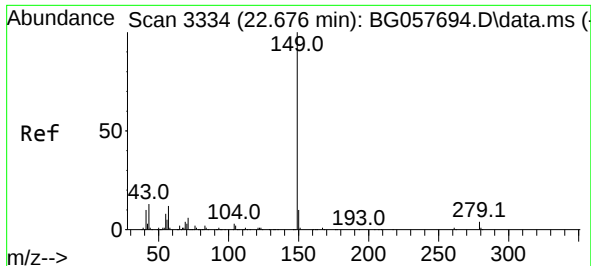
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

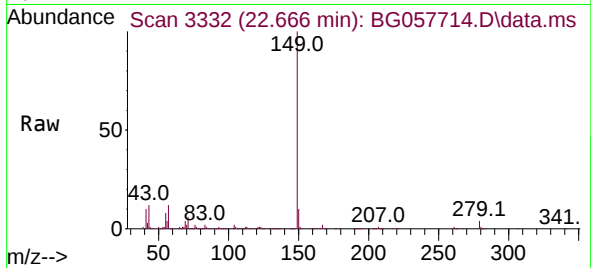
279 3.5 3.0 4.4





#85  
Di-n-octyl phthalate  
Concen: 51.780 ng  
RT: 22.666 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

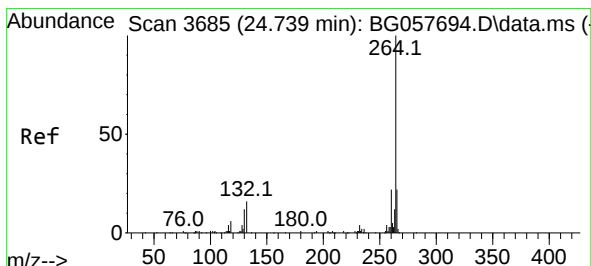
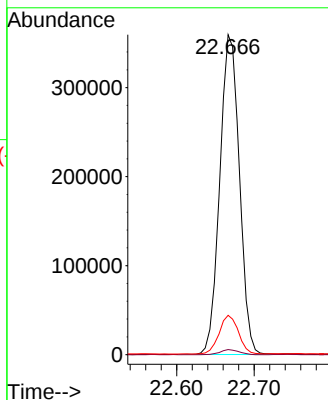
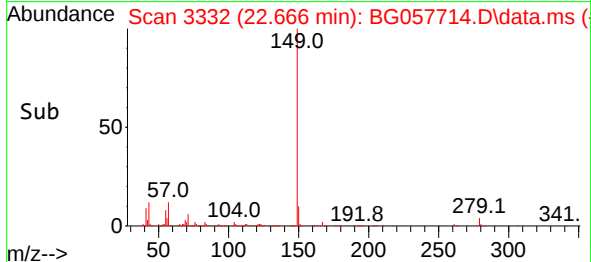
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



Tgt Ion:149 Resp: 632784  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 11.9 10.6 16.0

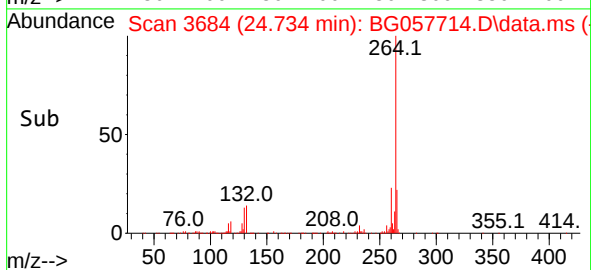
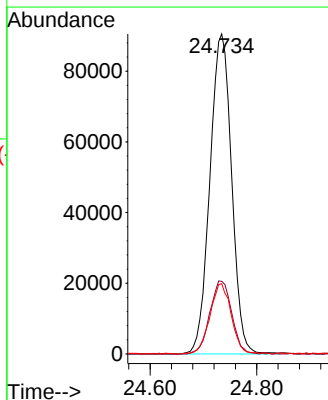
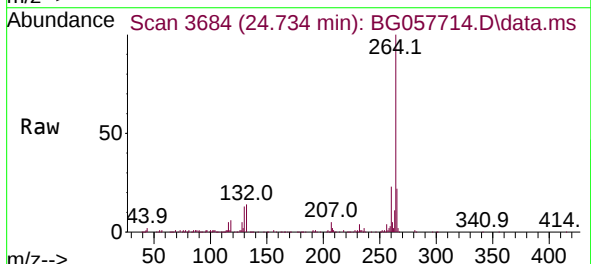
Manual Integrations  
APPROVED

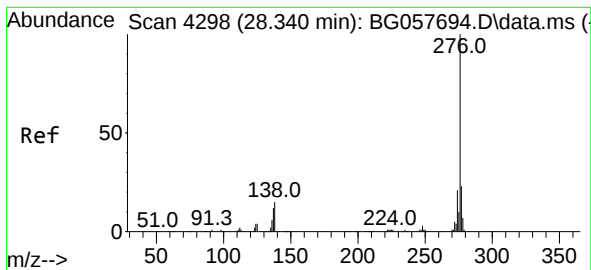
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.734 min Scan# 3684  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:264 Resp: 255788  
Ion Ratio Lower Upper  
264 100  
260 22.7 17.3 25.9  
265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.049 ng

RT: 28.342 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

TP-4-GAMSD

Tgt Ion:276 Resp: 679370

Ion Ratio Lower Upper

276 100

138 16.3 11.9 17.9

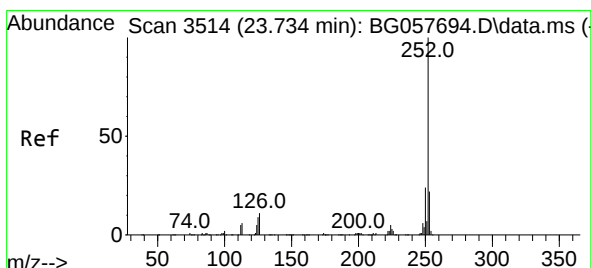
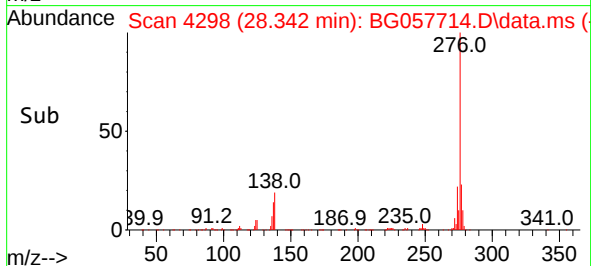
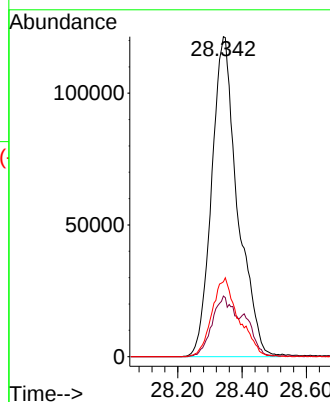
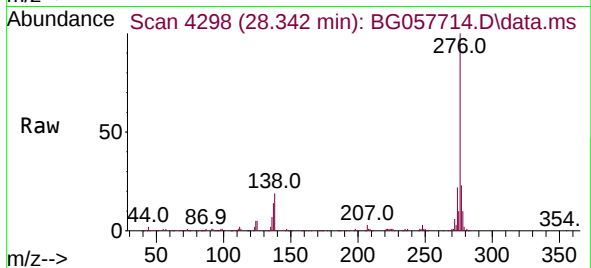
277 25.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023

Supervised By :mohammad ahmed 06/16/2023



#88

Benzo(b)fluoranthene

Concen: 42.273 ng

RT: 23.730 min Scan# 3513

Delta R.T. -0.004 min

Lab File: BG057714.D

Acq: 14 Jun 2023 19:24

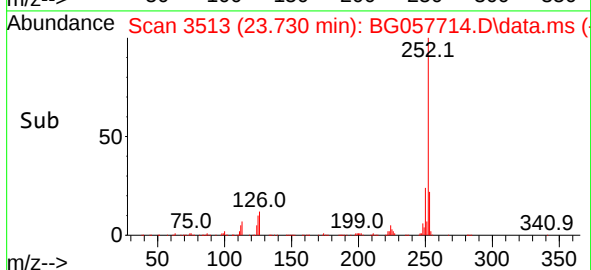
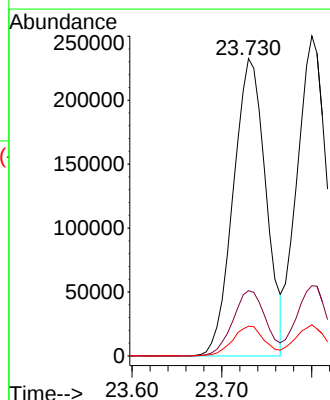
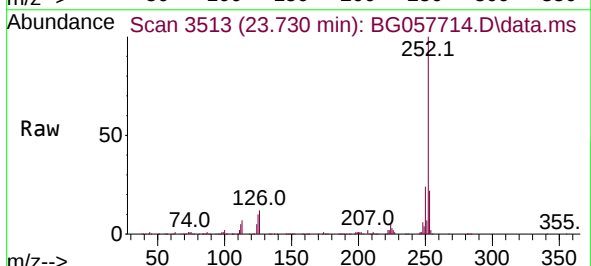
Tgt Ion:252 Resp: 586598

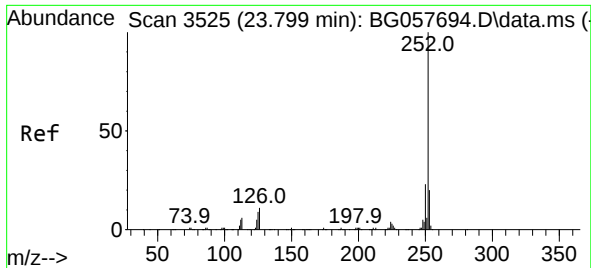
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

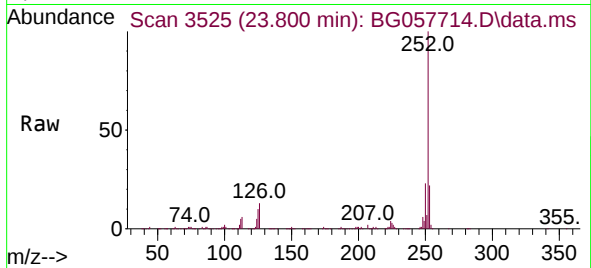
125 10.0 7.1 10.7





#89  
Benzo(k)fluoranthene  
Concen: 39.884 ng  
RT: 23.800 min Scan# 3525  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

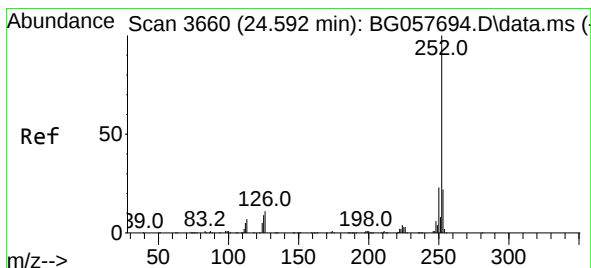
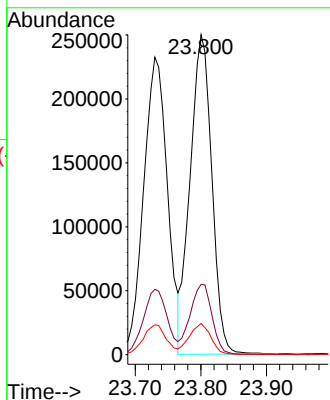
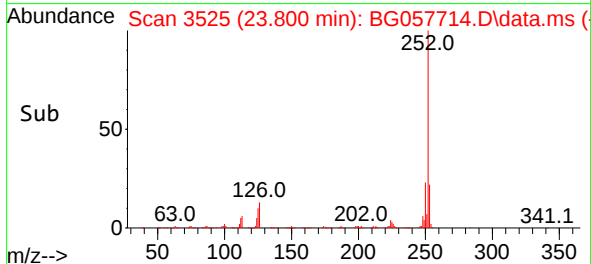
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4-GAMSD



Tgt Ion:252 Resp: 574000  
Ion Ratio Lower Upper  
252 100  
253 21.9 16.6 25.0  
125 9.8 7.3 10.9

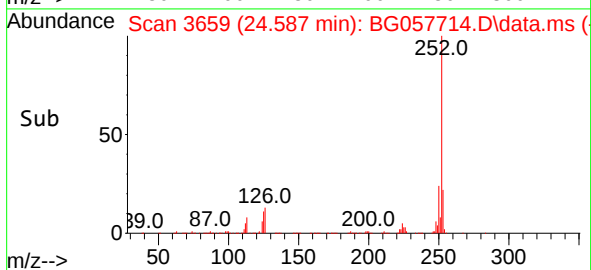
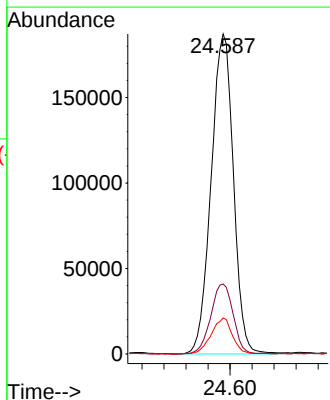
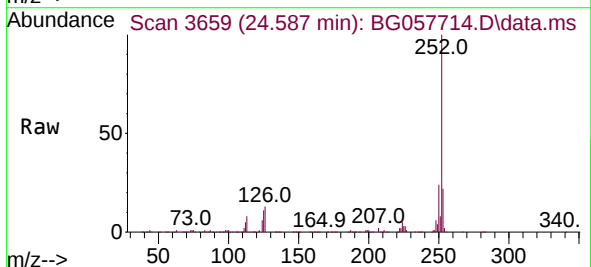
Manual Integrations  
APPROVED

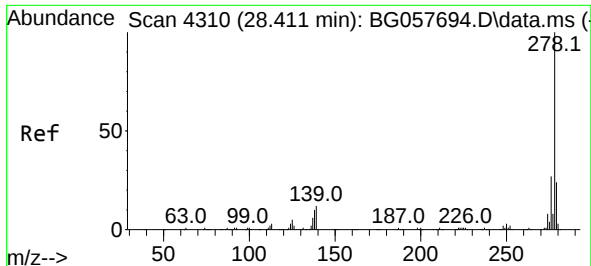
Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#90  
Benzo(a)pyrene  
Concen: 38.524 ng  
RT: 24.587 min Scan# 3659  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:252 Resp: 525604  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.6  
125 11.3 7.4 11.2#





#91  
Dibenzo(a,h)anthracene  
Concen: 40.859 ng  
RT: 28.407 min Scan# 41  
Delta R.T. -0.004 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

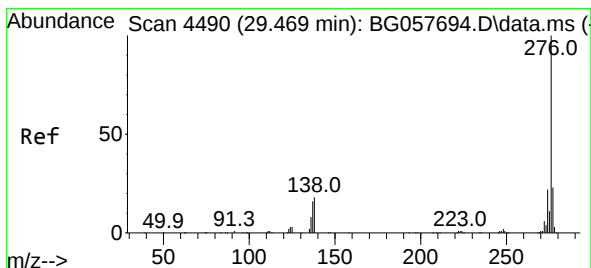
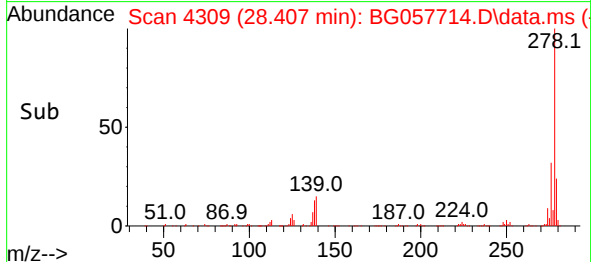
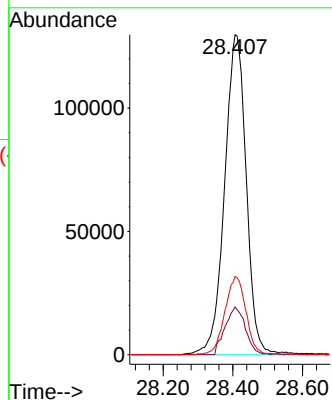
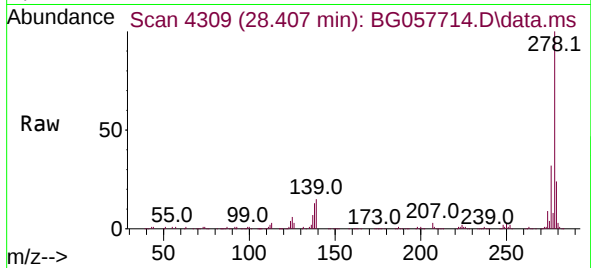
TP-4-GAMSD

Tgt Ion:278 Resp: 558820  
Ion Ratio Lower Upper  
278 100  
139 14.9 10.0 15.0  
279 24.4 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/15/2023  
Supervised By :mohammad ahmed 06/16/2023



#92  
Benzo(g,h,i)perylene  
Concen: 41.264 ng  
RT: 29.470 min Scan# 4490  
Delta R.T. 0.001 min  
Lab File: BG057714.D  
Acq: 14 Jun 2023 19:24

Tgt Ion:276 Resp: 563294  
Ion Ratio Lower Upper  
276 100  
277 23.8 18.1 27.1  
138 19.2 14.6 21.8

