

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081823\  
 Data File : BG058783.D  
 Acq On : 18 Aug 2023 19:32  
 Operator : MA/JU  
 Sample : PB154882BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154882BS

Quant Time: Aug 21 02:14:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 01:40:57 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.812  | 152  | 20641    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.608 | 136  | 88246    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.457 | 164  | 64105    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.207 | 188  | 163330   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.449 | 240  | 144297   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.522 | 264  | 176532   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.385  | 112  | 225102   | 175.499 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.983  | 99   | 305192   | 169.592 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.975  | 82   | 185650   | 101.145 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.955 | 330  | 161685   | 160.856 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.076 | 172  | 439402   | 99.695  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.827 | 244  | 840612   | 104.603 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.264  | 88   | 25567    | 42.397  | ng    | 97       |
| 3) Pyridine                   | 3.658  | 79   | 65711    | 41.236  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.581  | 42   | 45394    | 52.398  | ng    | 93       |
| 6) Aniline                    | 7.136  | 93   | 97037    | 44.111  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.377  | 128  | 82436    | 63.564  | ng    | 99       |
| 9) Benzaldehyde               | 6.948  | 77   | 38907m   | 38.544  | ng    |          |
| 10) Phenol                    | 7.013  | 94   | 112304   | 64.718  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.230  | 93   | 76757    | 56.688  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.694  | 146  | 78738    | 57.158  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.847  | 146  | 81584    | 58.566  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 79610    | 59.129  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.053  | 79   | 83139    | 64.617  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.341  | 45   | 166046m  | 57.543  | ng    |          |
| 17) 2-Methylphenol            | 8.258  | 107  | 76303    | 59.868  | ng    | 97       |
| 18) Hexachloroethane          | 8.887  | 117  | 30207    | 59.516  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.617  | 70   | 65149    | 56.006  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.587  | 107  | 103523   | 60.416  | ng    | 97       |
| 22) Acetophenone              | 8.634  | 105  | 130569   | 54.659  | ng    | 100      |
| 24) Nitrobenzene              | 9.016  | 77   | 96060    | 52.619  | ng    | 98       |
| 25) Isophorone                | 9.533  | 82   | 193332   | 52.965  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.727  | 139  | 44185    | 57.871  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.792  | 122  | 74255    | 57.385  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.021 | 93   | 105417   | 54.522  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.268 | 162  | 82075    | 61.726  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.473 | 180  | 88087    | 54.861  | ng    | 99       |
| 31) Naphthalene               | 10.661 | 128  | 247161   | 53.343  | ng    | 100      |
| 32) Benzoic acid              | 9.968  | 122  | 44266m   | 54.886  | ng    |          |
| 33) 4-Chloroaniline           | 10.779 | 127  | 69148    | 35.386  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.937 | 225  | 57648    | 53.197  | ng    | 96       |
| 35) Caprolactam               | 11.566 | 113  | 29930m   | 62.817  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.913 | 107  | 98640    | 59.653  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.277 | 142  | 171050   | 51.399  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.494 | 142  | 169313   | 53.597  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.647 | 216  | 103637   | 52.441  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.624 | 237  | 94305    | 116.757 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.888 | 196  | 74693    | 59.398  | ng    | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.970 | 196  | 81112    | 53.864  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.288 | 154  | 233781   | 52.939  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.335 | 162  | 187804   | 54.571  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.546 | 65   | 75593    | 57.835  | ng    | 96       |
| 49) Acenaphthylene            | 14.181 | 152  | 316747   | 55.501  | ng    | 98       |
| 50) Dimethylphthalate         | 13.916 | 163  | 267684   | 53.931  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.040 | 165  | 60752    | 58.260  | ng    | 96       |
| 52) Acenaphthene              | 14.522 | 154  | 176226   | 52.840  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.375 | 138  | 42090    | 41.850  | ng    | # 96     |
| 54) 2,4-Dinitrophenol         | 14.592 | 184  | 68986    | 115.066 | ng    | 96       |
| 55) Dibenzofuran              | 14.856 | 168  | 305453   | 53.095  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.698 | 139  | 87720    | 118.304 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.833 | 165  | 87775    | 60.350  | ng    | # 96     |
| 58) Fluorene                  | 15.509 | 166  | 249949   | 54.593  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.091 | 232  | 77404    | 62.990  | ng    | 94       |
| 60) Diethylphthalate          | 15.279 | 149  | 282710   | 55.243  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.497 | 204  | 136540   | 53.805  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.544 | 138  | 61069    | 59.834  | ng    | 93       |
| 63) Azobenzene                | 15.791 | 77   | 254225   | 54.101  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.603 | 198  | 51874    | 56.188  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.720 | 169  | 223103   | 52.998  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.396 | 248  | 93960    | 52.424  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.513 | 284  | 108379   | 56.184  | ng    | 96       |
| 69) Atrazine                  | 16.666 | 200  | 96987    | 65.101  | ng    | 98       |
| 70) Pentachlorophenol         | 16.860 | 266  | 102526   | 101.360 | ng    | 97       |
| 71) Phenanthrene              | 17.248 | 178  | 421007   | 53.693  | ng    | 100      |
| 72) Anthracene                | 17.336 | 178  | 429521   | 54.618  | ng    | 98       |
| 73) Carbazole                 | 17.612 | 167  | 404136   | 56.118  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.164 | 149  | 503190   | 55.389  | ng    | 99       |
| 75) Fluoranthene              | 19.263 | 202  | 527521   | 54.251  | ng    | 99       |
| 77) Benzidine                 | 19.451 | 184  | 208599   | 80.662  | ng    | 99       |
| 78) Pyrene                    | 19.627 | 202  | 538743   | 53.584  | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.515 | 149  | 223570   | 54.828  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.431 | 228  | 544981   | 54.257  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.355 | 252  | 158132   | 45.600  | ng    | 99       |
| 83) Chrysene                  | 21.496 | 228  | 508283   | 52.500  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.331 | 149  | 324269   | 54.221  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.483 | 149  | 569622   | 55.376  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.035 | 276  | 686917   | 57.513  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.552 | 252  | 580750   | 59.291  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.617 | 252  | 554678   | 54.911  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.386 | 252  | 514402   | 53.336  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.082 | 278  | 571613   | 58.243  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 29.128 | 276  | 560149   | 57.086  | ng    | 97       |

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

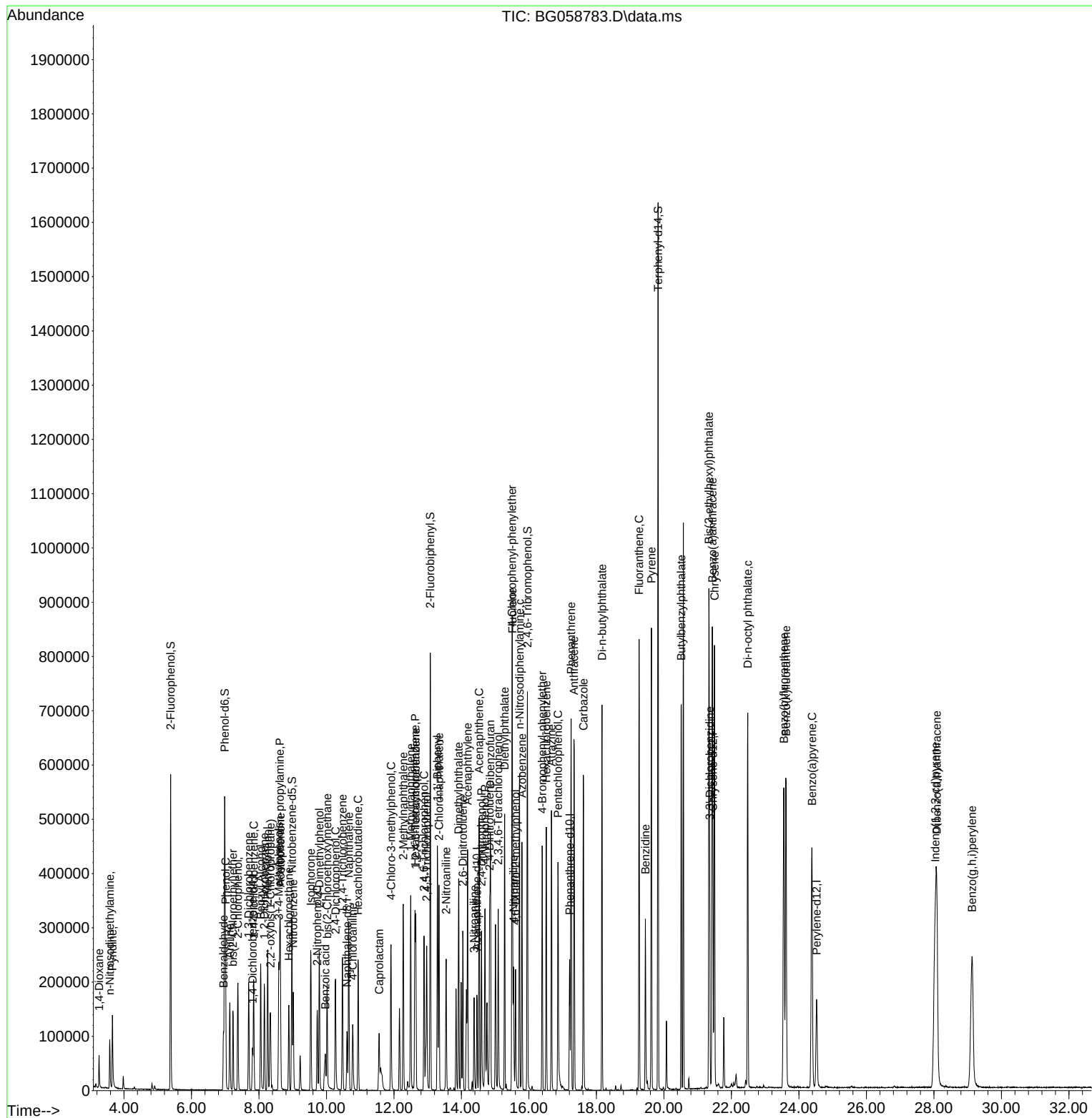
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081823\  
 Data File : BG058783.D  
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 Sample : PB154882BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

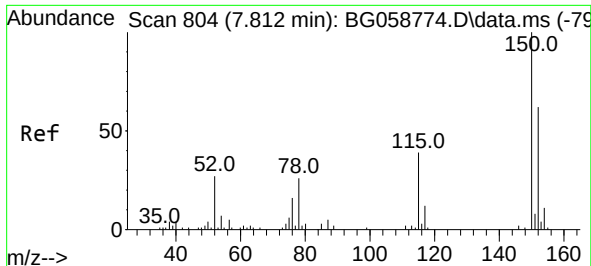
Instrument :  
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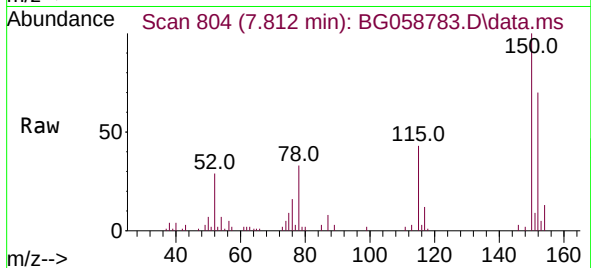
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.812 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

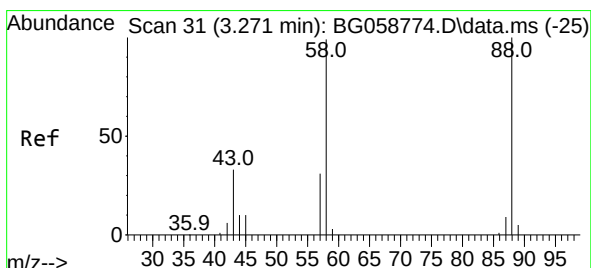
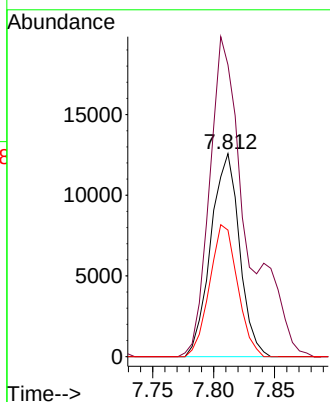
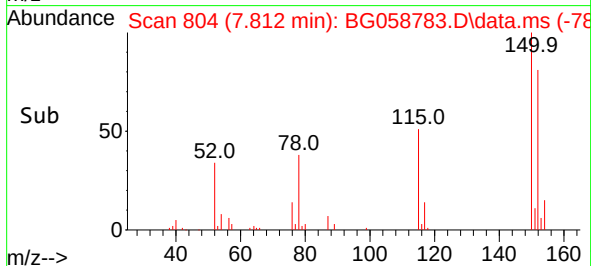


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 Ion Ratio Lower Upper  
 152 100  
 150 143.7 128.6 192.8  
 115 62.3 50.4 75.6

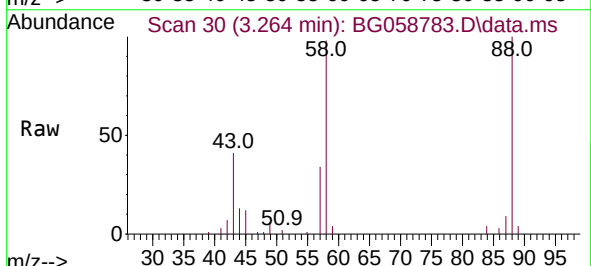
Manual Integrations

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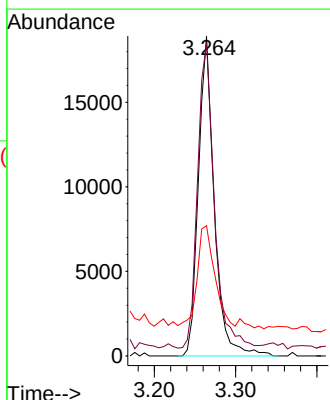
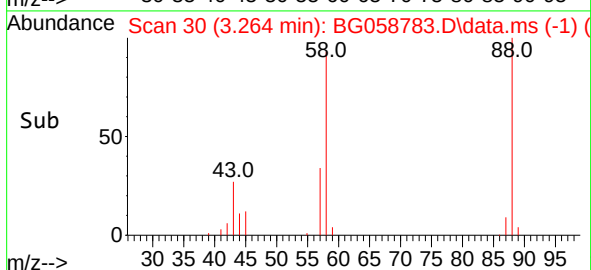
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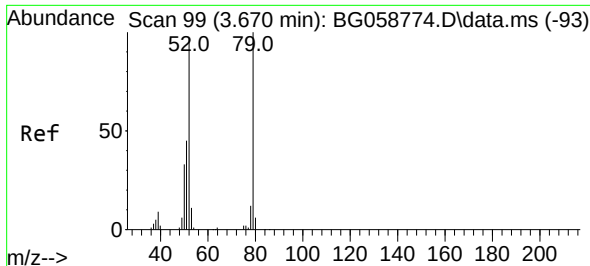


#2  
 1,4-Dioxane  
 Concen: 42.397 ng  
 RT: 3.264 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32



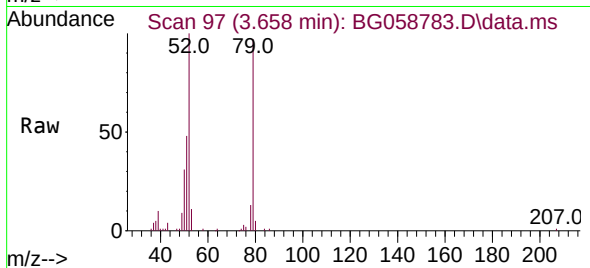
Tgt Ion: 88 Resp: 25567  
 Ion Ratio Lower Upper  
 88 100  
 58 101.4 82.8 124.2  
 43 34.0 30.1 45.1





#3  
 Pyridine  
 Concen: 41.236 ng  
 RT: 3.658 min Scan# 91  
 Delta R.T. -0.012 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

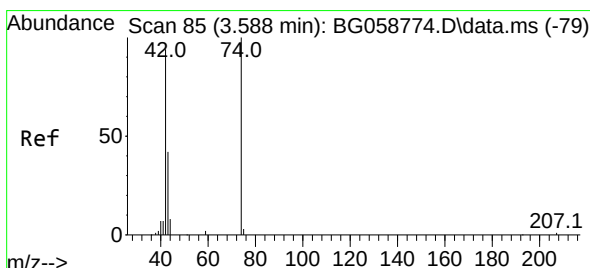
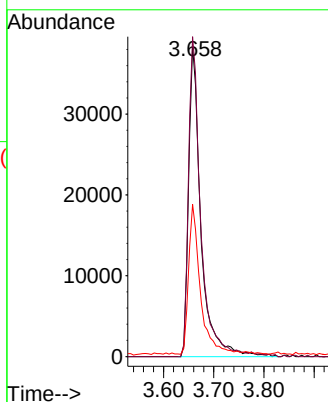
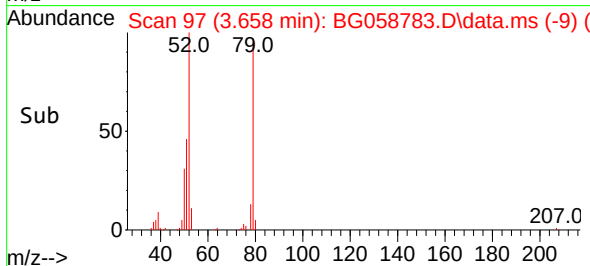
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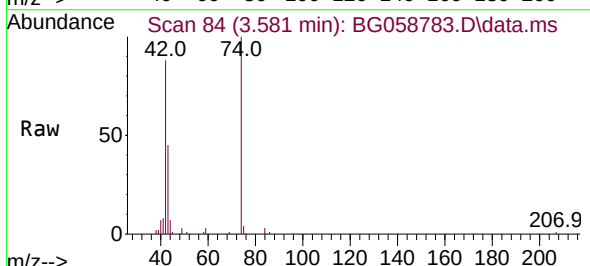
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 Ion Ratio Lower Upper  
 79 100  
 52 103.3 77.6 116.4  
 51 49.1 37.5 56.3

Manual Integrations  
 APPROVED

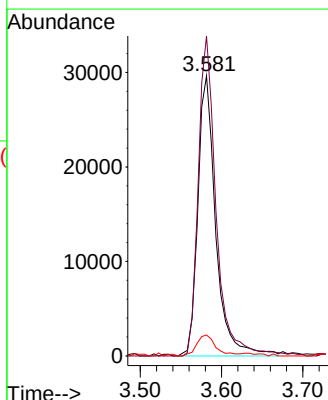
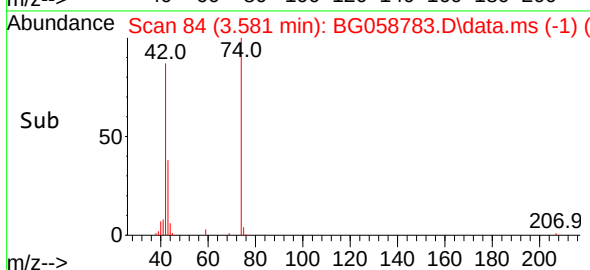
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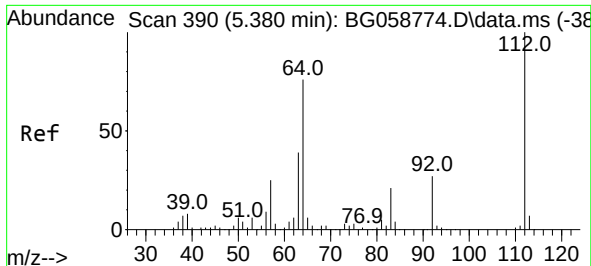


#4  
 n-Nitrosodimethylamine  
 Concen: 52.398 ng  
 RT: 3.581 min Scan# 84  
 Delta R.T. -0.007 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32



Tgt Ion: 42 Resp: 45394  
 Ion Ratio Lower Upper  
 42 100  
 74 114.2 85.1 127.7  
 44 7.4 6.9 10.3





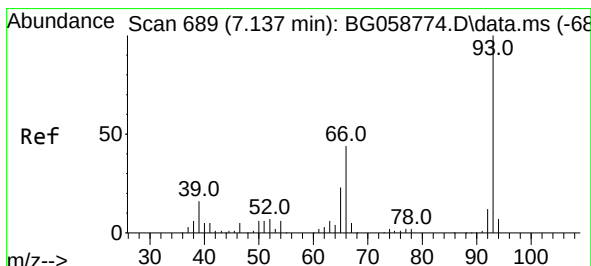
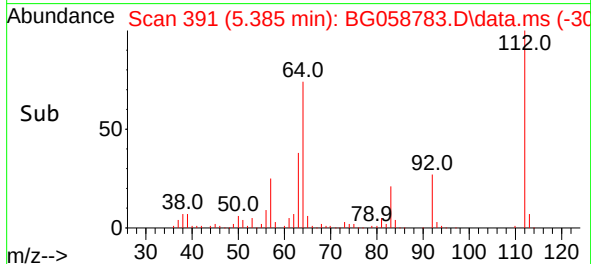
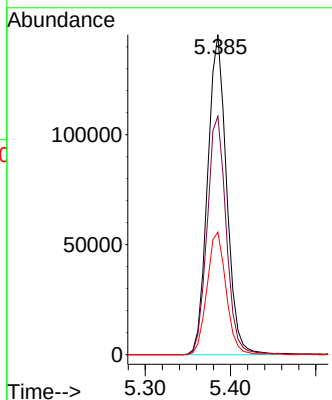
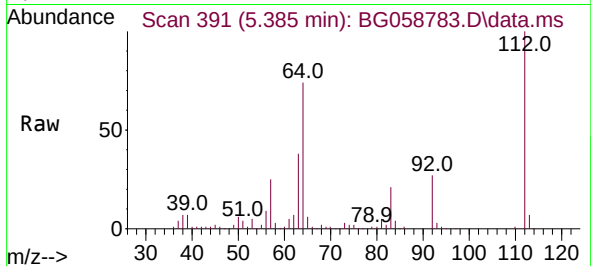
#5  
2-Fluorophenol  
Concen: 175.499 ng  
RT: 5.385 min Scan# 391  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

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Tgt Ion:112 Resp: 225102  
Ion Ratio Lower Upper  
112 100  
64 74.5 60.6 90.8  
63 38.3 31.0 46.4

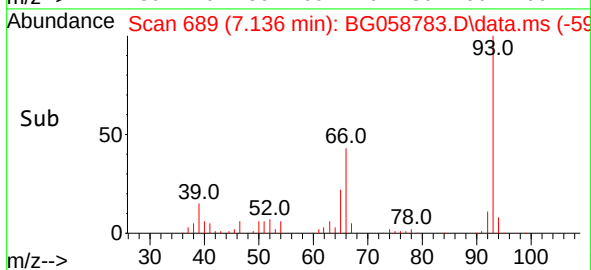
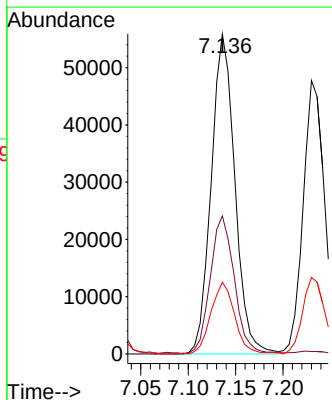
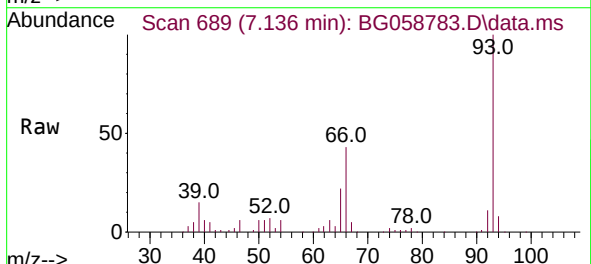
Manual Integrations  
APPROVED

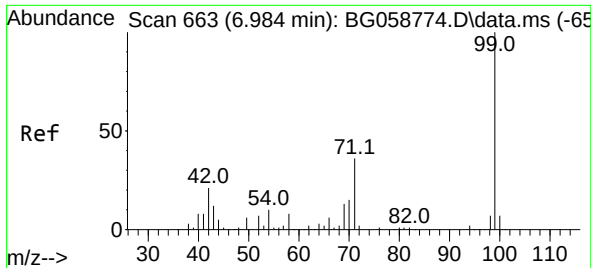
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#6  
Aniline  
Concen: 44.111 ng  
RT: 7.136 min Scan# 689  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

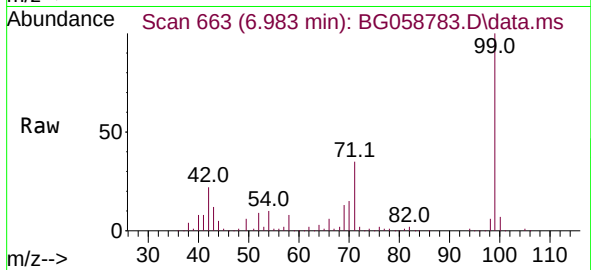
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Ion Ratio Lower Upper  
93 100  
66 43.1 35.7 53.5  
65 22.4 18.2 27.2





#7  
Phenol-d6  
Concen: 169.592 ng  
RT: 6.983 min Scan# 60  
Delta R.T. -0.001 min  
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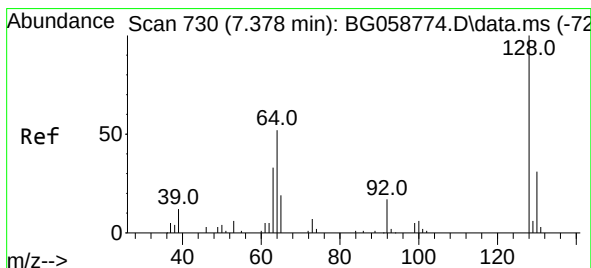
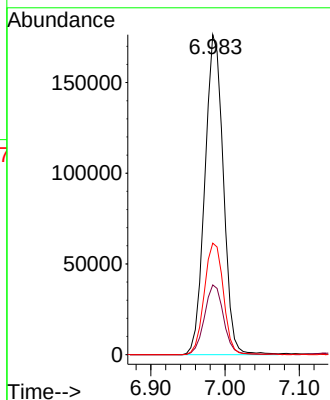
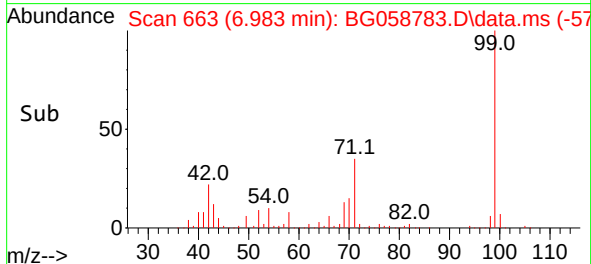
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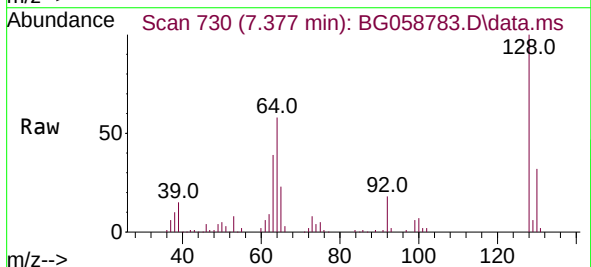
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42 21.8 16.5 24.7  
71 34.9 28.4 42.6

Manual Integrations  
APPROVED

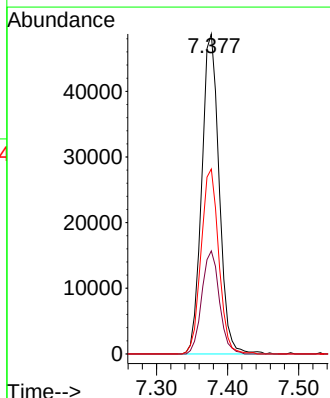
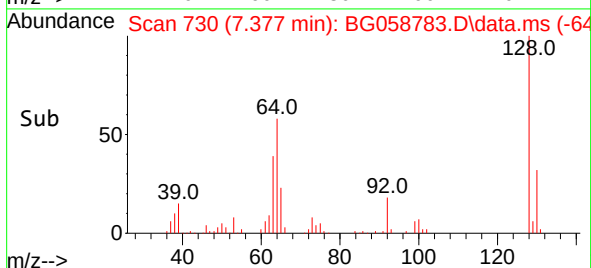
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

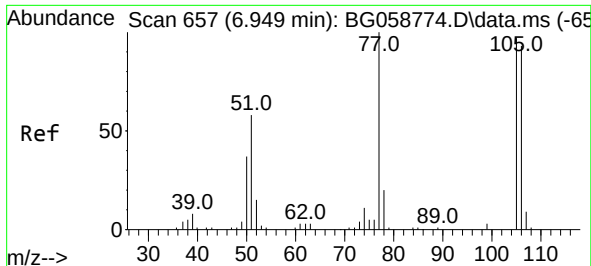


#8  
2-Chlorophenol  
Concen: 63.564 ng  
RT: 7.377 min Scan# 730  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:128 Resp: 82436  
Ion Ratio Lower Upper  
128 100  
130 32.2 10.9 50.9  
64 57.8 38.4 78.4





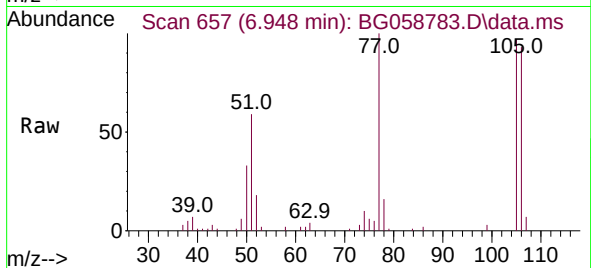
#9  
Benzaldehyde  
Concen: 38.544 ng m  
RT: 6.948 min Scan# 657  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

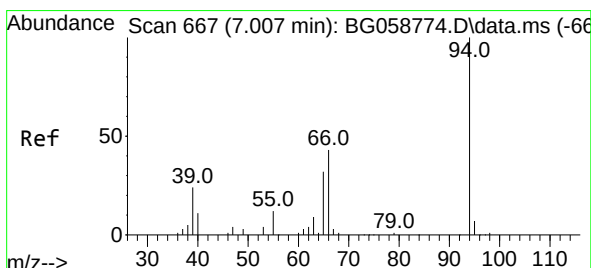
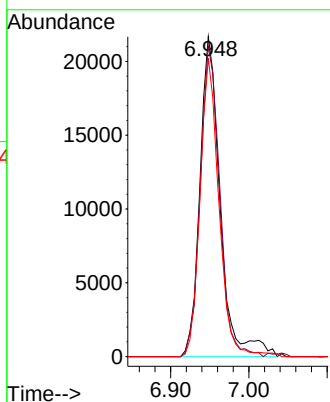
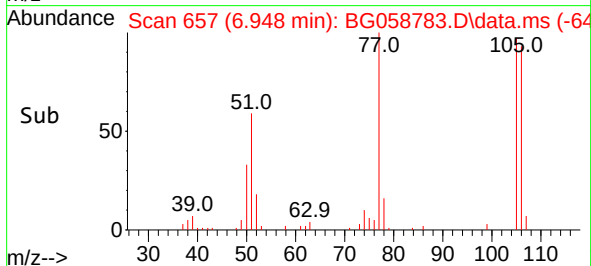


Tgt Ion: 77 Resp: 3890  
Ion Ratio Lower Upper  
77 100  
105 97.1 76.7 116.7  
106 93.2 73.4 113.4

Manual Integrations

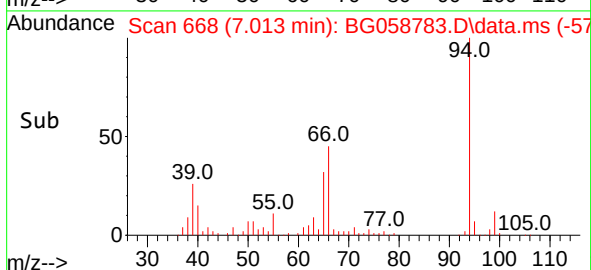
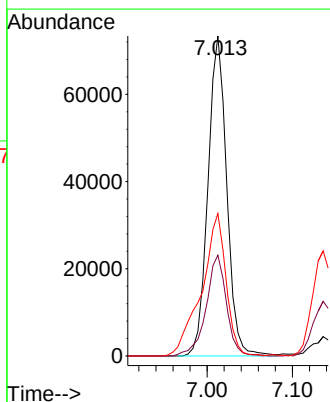
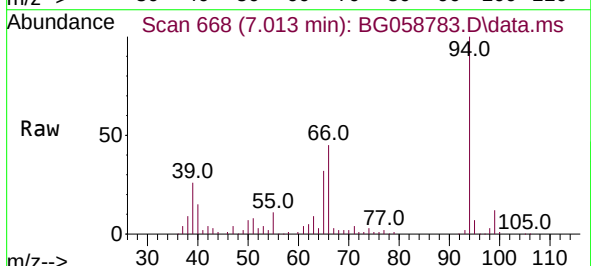
APPROVED

Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

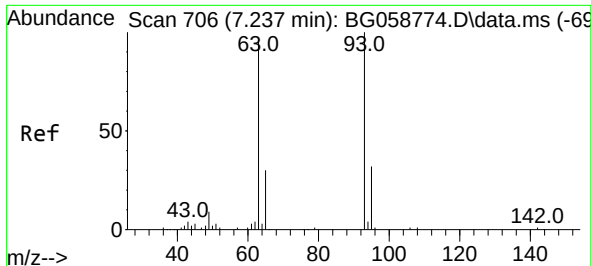


#10  
Phenol  
Concen: 64.718 ng  
RT: 7.013 min Scan# 668  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion: 94 Resp: 112304  
Ion Ratio Lower Upper  
94 100  
65 31.5 12.6 52.6  
66 44.5 26.6 66.6







#11  
bis(2-Chloroethyl)ether  
Concen: 56.688 ng  
RT: 7.230 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

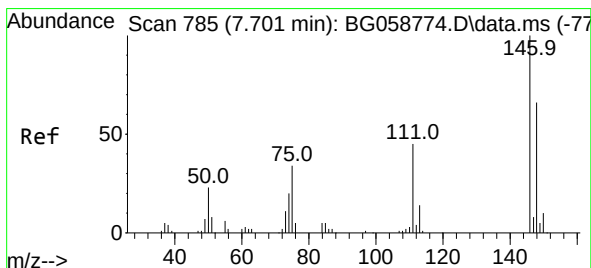
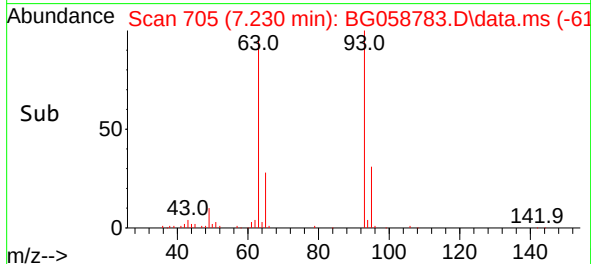
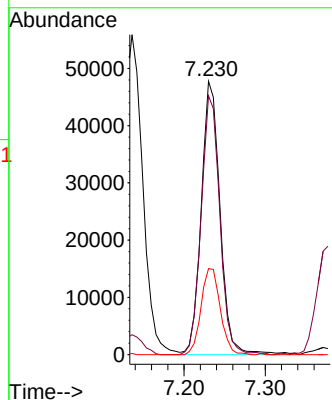
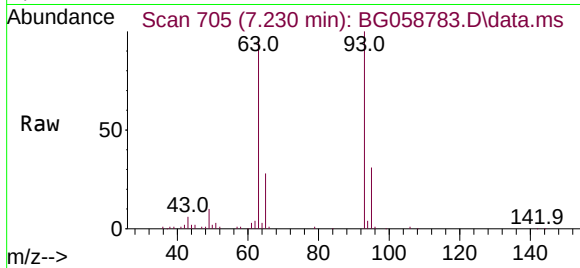
ClientSampleId :

PB154882BS

Tgt Ion: 93 Resp: 76752  
Ion Ratio Lower Upper  
93 100  
63 94.7 74.8 114.8  
95 31.5 12.1 52.1

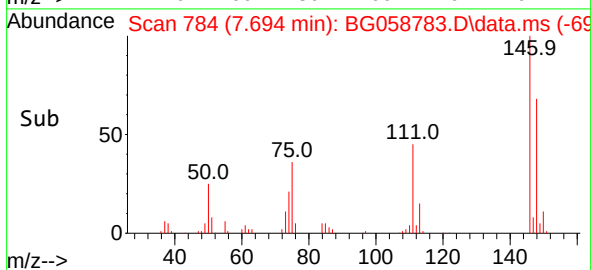
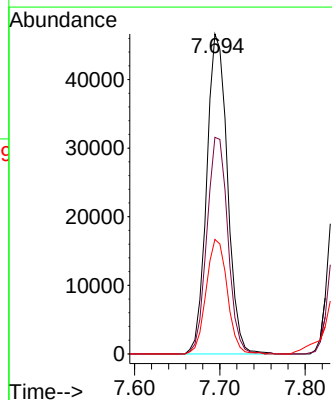
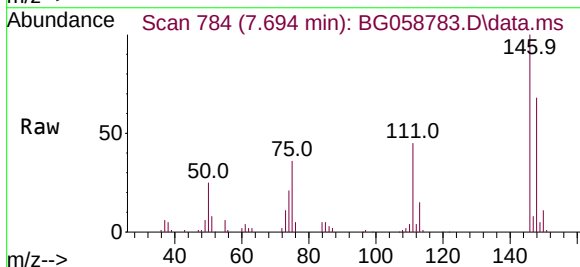
Manual Integrations  
APPROVED

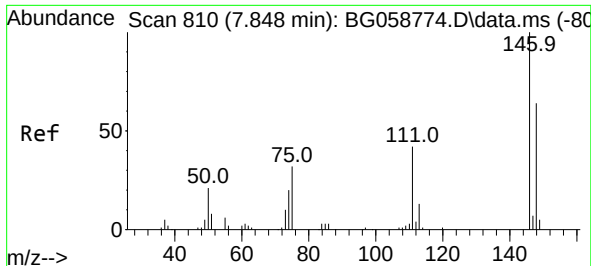
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#12  
1,3-Dichlorobenzene  
Concen: 57.158 ng  
RT: 7.694 min Scan# 784  
Delta R.T. -0.006 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:146 Resp: 78738  
Ion Ratio Lower Upper  
146 100  
148 67.7 52.4 78.6  
75 35.8 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 58.566 ng

RT: 7.847 min Scan# 810

Delta R.T. -0.001 min

Lab File: BG058783.D

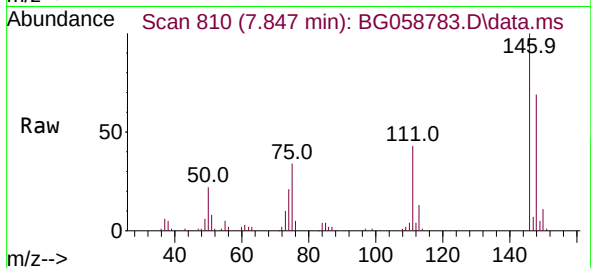
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS



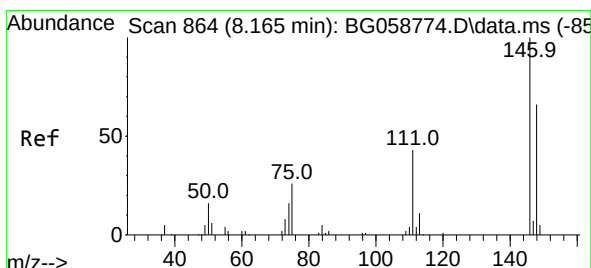
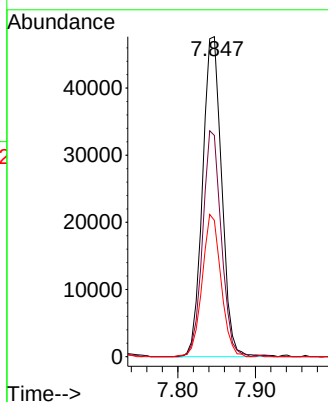
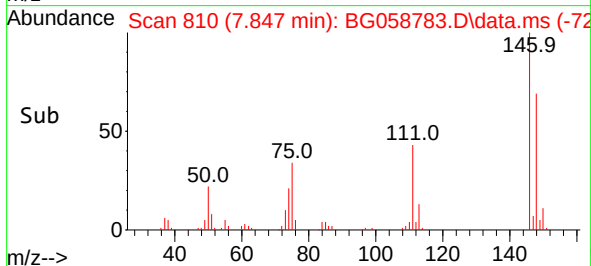
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 81584 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 69.1  | 51.3  | 76.9  |
| 111       | 42.6  | 33.8  | 50.8  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#14

1,2-Dichlorobenzene

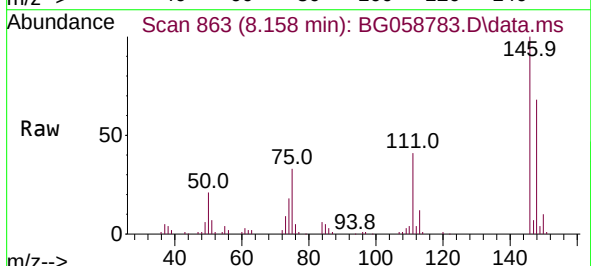
Concen: 59.129 ng

RT: 8.158 min Scan# 863

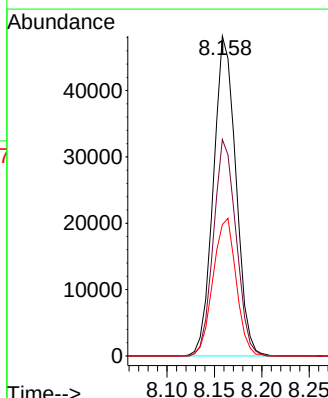
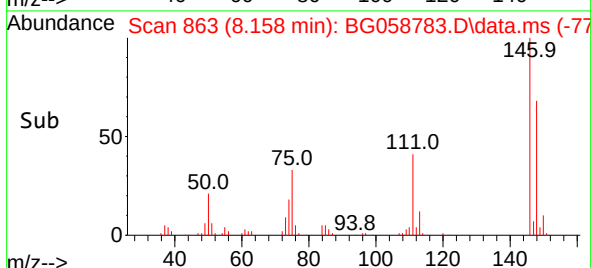
Delta R.T. -0.006 min

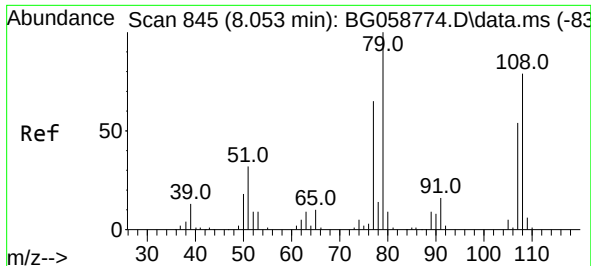
Lab File: BG058783.D

Acq: 18 Aug 2023 19:32



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 79610 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 67.6  | 52.9  | 79.3  |
| 111       | 41.0  | 35.5  | 53.3  |





#15  
Benzyl Alcohol  
Concen: 64.617 ng  
RT: 8.053 min Scan# 845  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

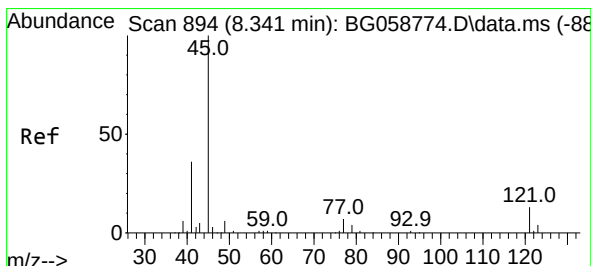
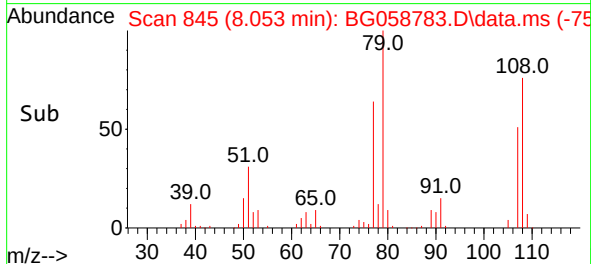
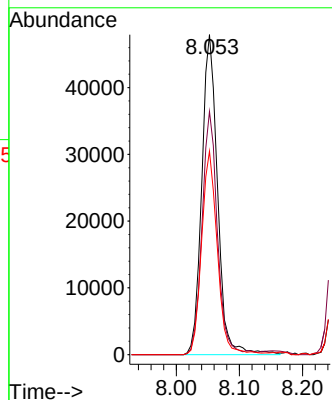
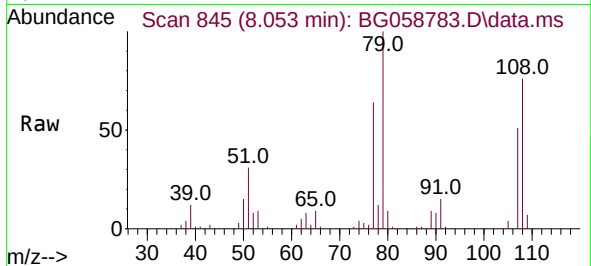
ClientSampleId :

PB154882BS

Tgt Ion: 79 Resp: 83139  
Ion Ratio Lower Upper  
79 100  
108 76.0 63.4 95.0  
77 63.6 52.2 78.2

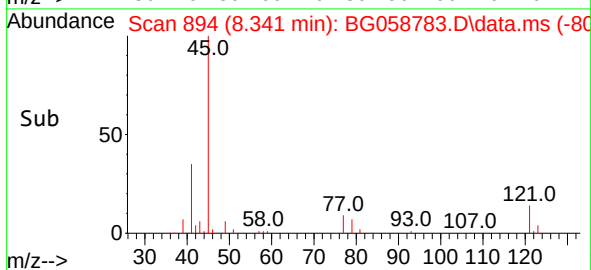
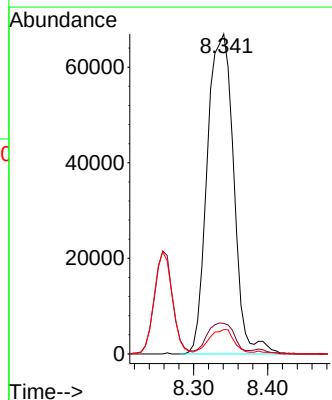
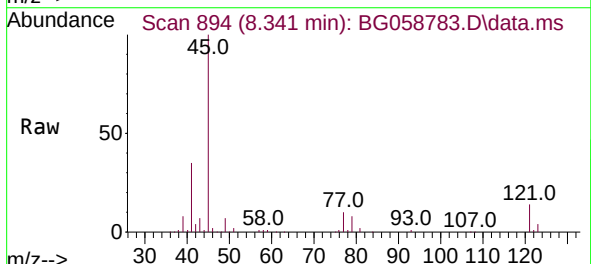
Manual Integrations  
APPROVED

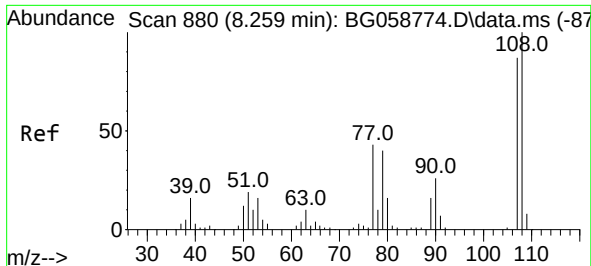
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 57.543 ng m  
RT: 8.341 min Scan# 894  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion: 45 Resp: 166046  
Ion Ratio Lower Upper  
45 100  
77 9.5 0.0 30.3  
79 7.6 0.0 27.7





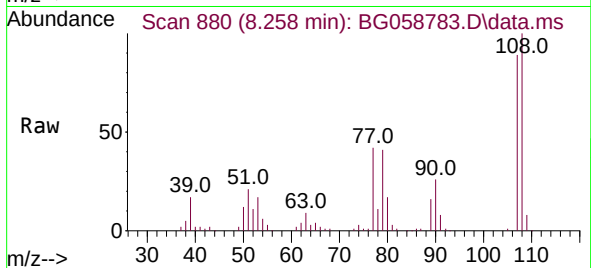
#17  
2-Methylphenol  
Concen: 59.868 ng  
RT: 8.258 min Scan# 880  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

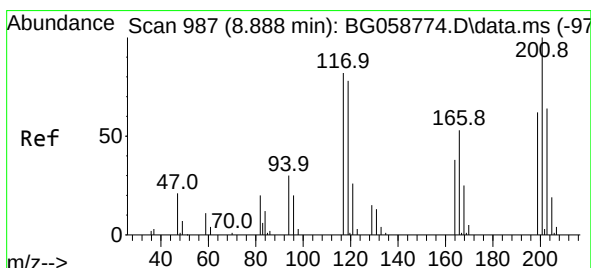
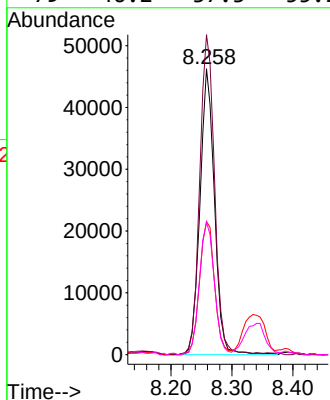
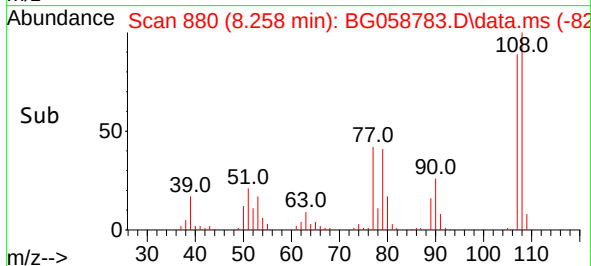


Tgt Ion:107 Resp: 76303  
Ion Ratio Lower Upper  
107 100  
108 111.9 92.2 138.2  
77 46.6 40.0 60.0  
79 46.2 37.3 55.9

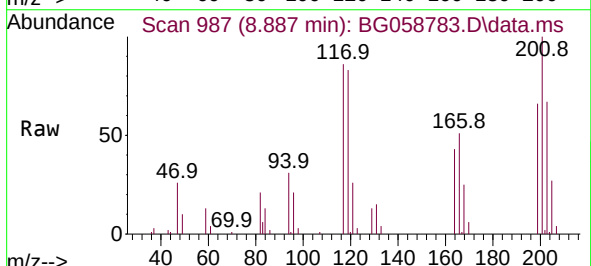
Manual Integrations

APPROVED

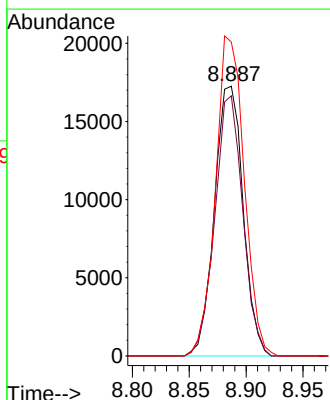
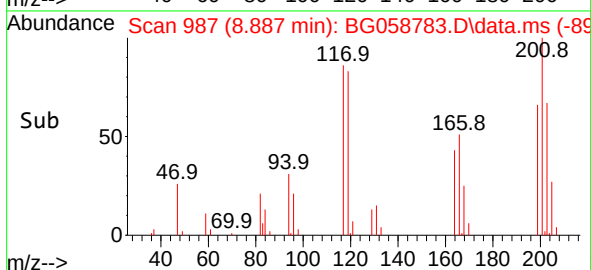
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

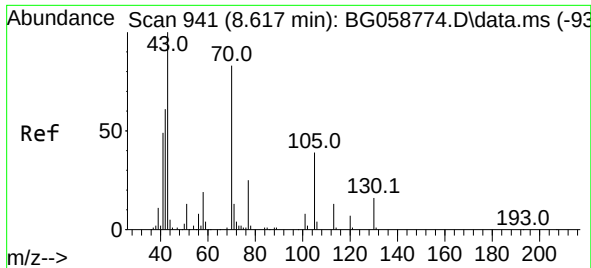


#18  
Hexachloroethane  
Concen: 59.516 ng  
RT: 8.887 min Scan# 987  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:117 Resp: 30207  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.6 115.0  
201 116.4 97.0 145.6





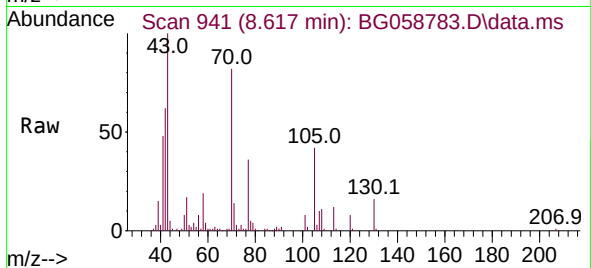
#19  
n-Nitroso-di-n-propylamine  
Concen: 56.006 ng  
RT: 8.617 min Scan# 941  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

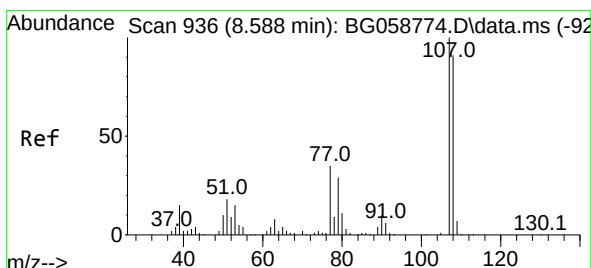
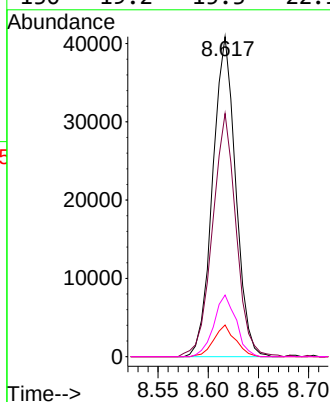
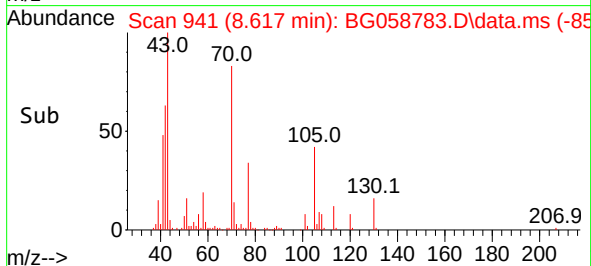


Tgt Ion: 70 Resp: 65149  
Ion Ratio Lower Upper  
70 100  
42 76.0 59.2 88.8  
101 9.9 8.2 12.2  
130 19.2 15.3 22.9

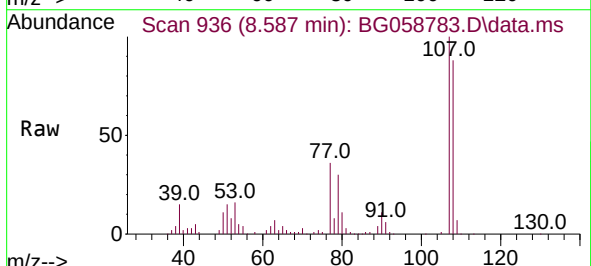
Manual Integrations

APPROVED

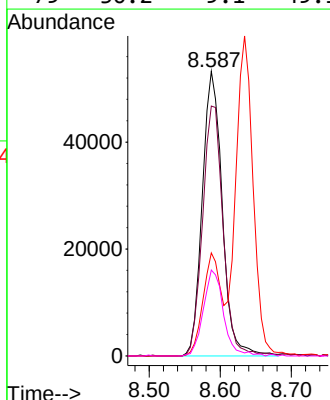
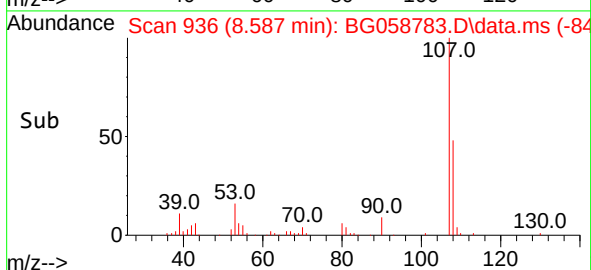
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

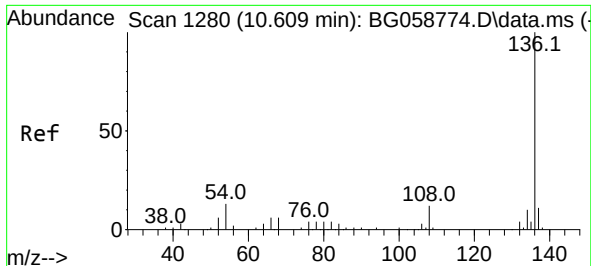


#20  
3+4-Methylphenols  
Concen: 60.416 ng  
RT: 8.587 min Scan# 936  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:107 Resp: 103523  
Ion Ratio Lower Upper  
107 100  
108 87.8 70.6 110.6  
77 36.2 14.8 54.8  
79 30.2 9.1 49.1





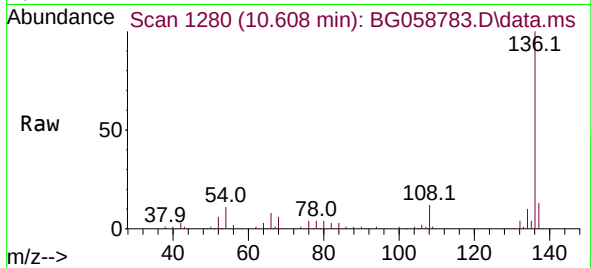
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.608 min Scan# 1280  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

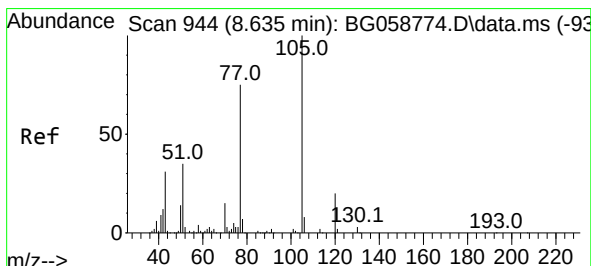
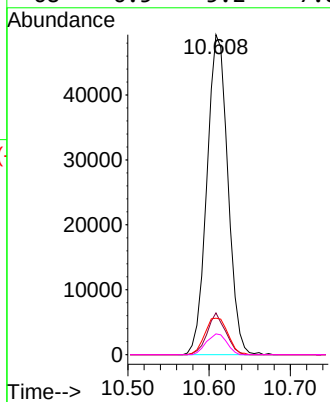
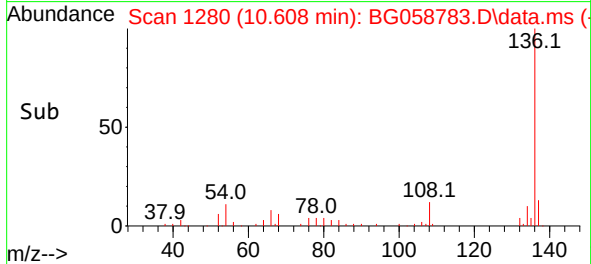


Tgt Ion:136 Resp: 88246  
Ion Ratio Lower Upper  
136 100  
137 13.0 8.7 13.1  
54 11.4 10.1 15.1  
68 6.5 5.2 7.8

Manual Integrations

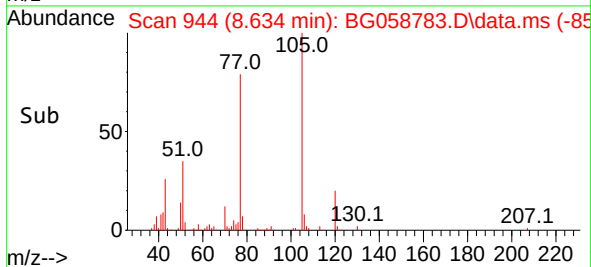
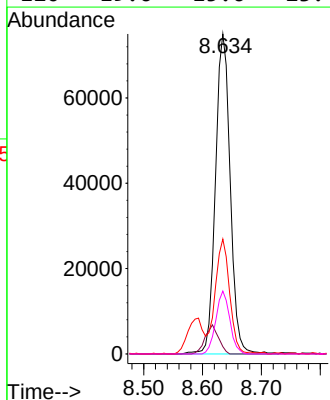
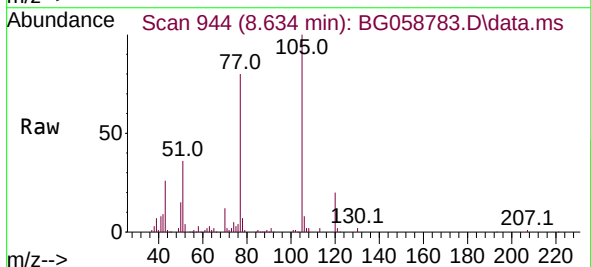
APPROVED

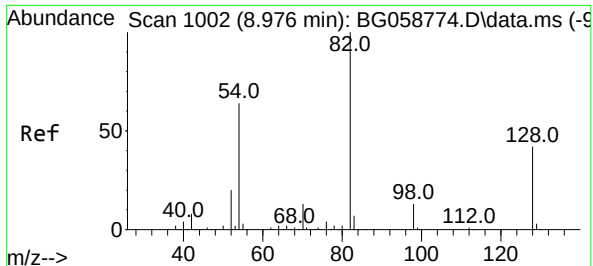
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#22  
Acetophenone  
Concen: 54.659 ng  
RT: 8.634 min Scan# 944  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:105 Resp: 130569  
Ion Ratio Lower Upper  
105 100  
71 2.3 2.2 3.2  
51 35.9 28.5 42.7  
120 19.6 15.6 23.4





#23

Nitrobenzene-d5

Concen: 101.145 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.001 min

Lab File: BG058783.D

Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

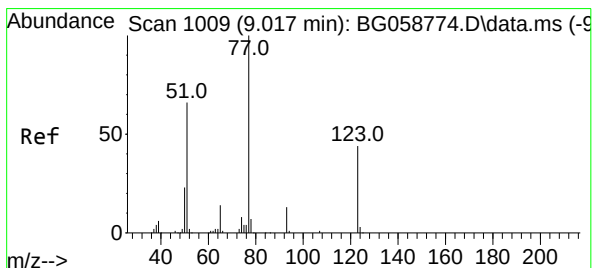
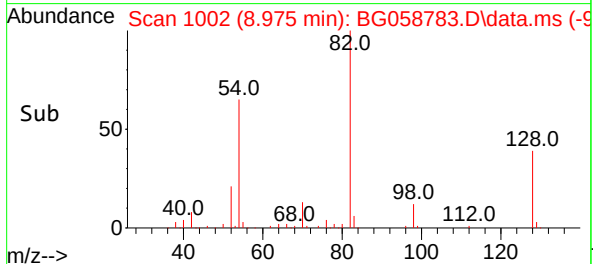
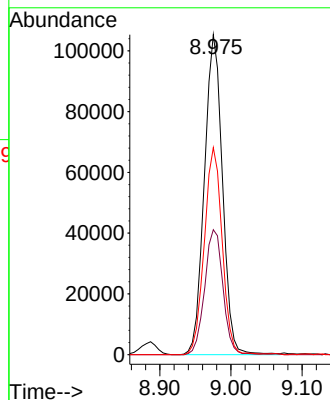
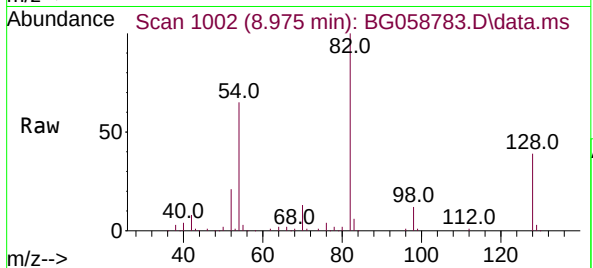
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 185650 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.0  | 33.2  | 49.8   |
| 54        | 64.7  | 51.2  | 76.8   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#24

Nitrobenzene

Concen: 52.619 ng

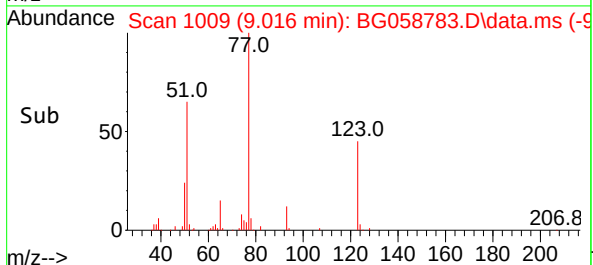
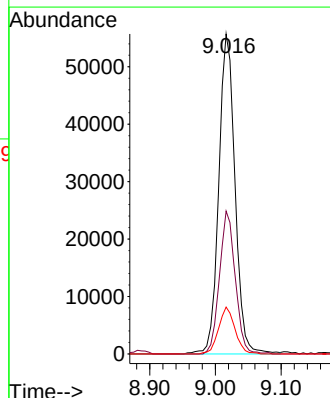
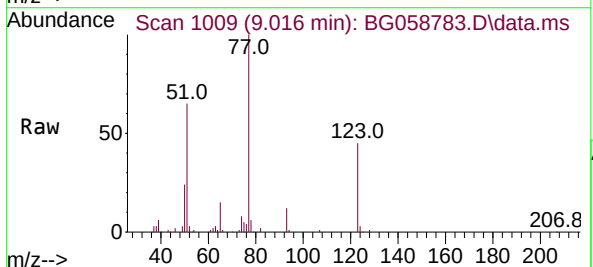
RT: 9.016 min Scan# 1009

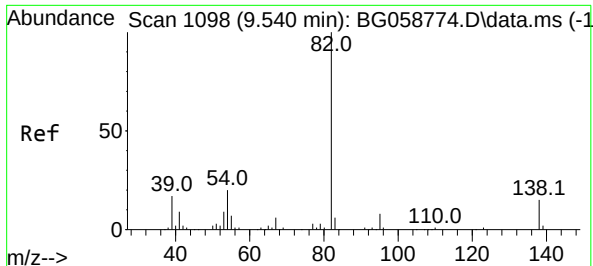
Delta R.T. -0.001 min

Lab File: BG058783.D

Acq: 18 Aug 2023 19:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 96060 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 44.6  | 34.9  | 52.3  |
| 65        | 14.6  | 10.9  | 16.3  |





#25  
Isophorone  
Concen: 52.965 ng  
RT: 9.533 min Scan# 1097  
Delta R.T. -0.006 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

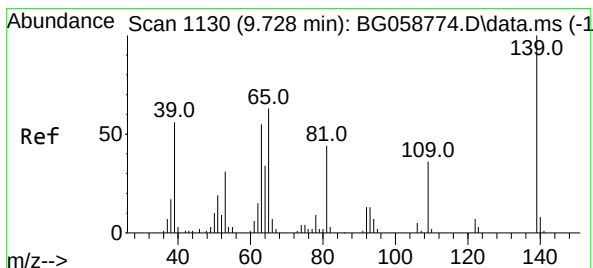
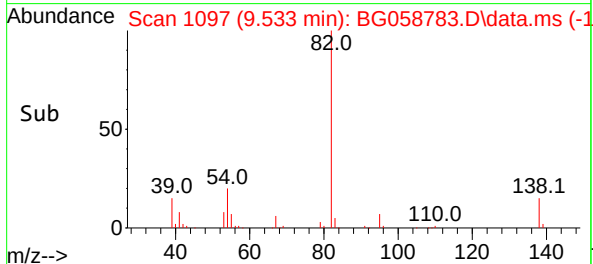
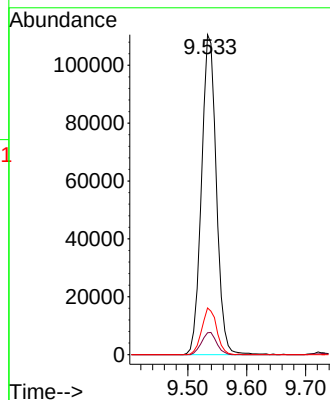
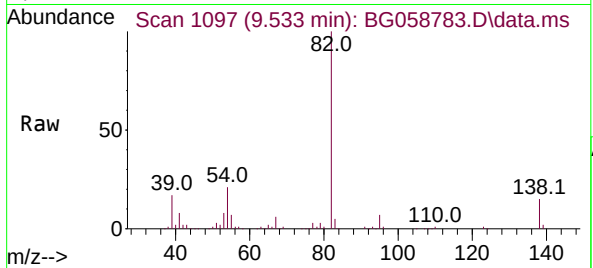
PB154882BS

Tgt Ion: 82 Resp: 193332  
Ion Ratio Lower Upper  
82 100  
95 6.8 6.1 9.1  
138 14.6 12.2 18.4

Manual Integrations

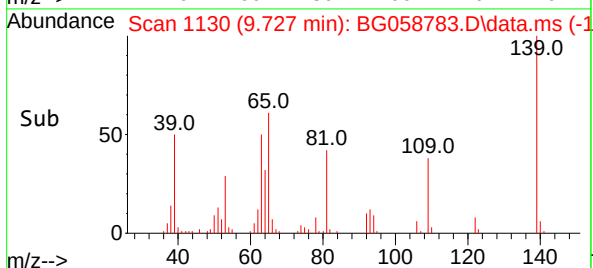
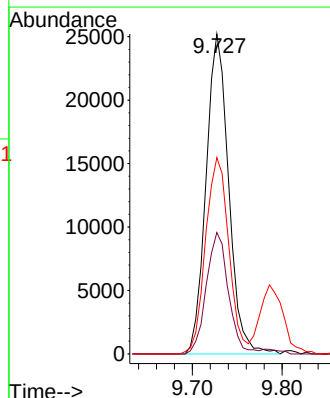
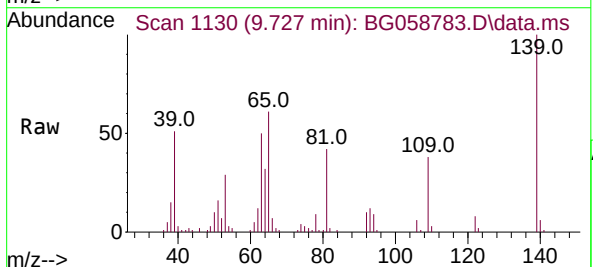
APPROVED

Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

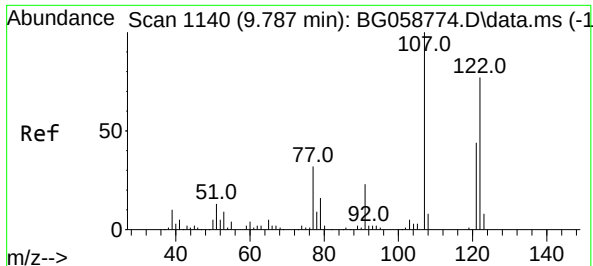


#26  
2-Nitrophenol  
Concen: 57.871 ng  
RT: 9.727 min Scan# 1130  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:139 Resp: 44185  
Ion Ratio Lower Upper  
139 100  
109 37.9 28.7 43.1  
65 61.3 50.6 76.0







#27  
2,4-Dimethylphenol  
Concen: 57.385 ng  
RT: 9.792 min Scan# 1140  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

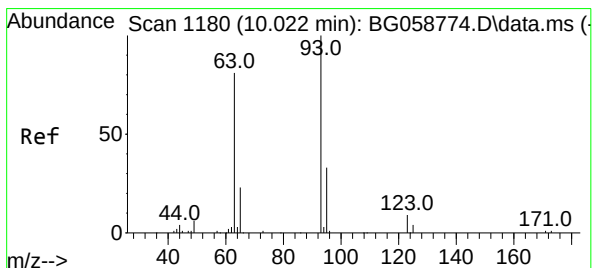
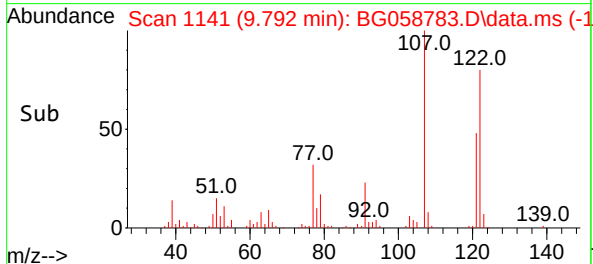
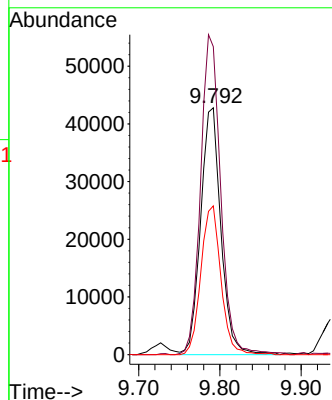
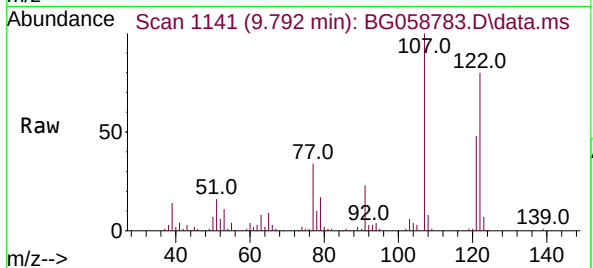
PB154882BS

Tgt Ion:122 Resp: 7425  
Ion Ratio Lower Upper  
122 100  
107 124.7 102.6 154.0  
121 60.3 45.0 67.4

Manual Integrations

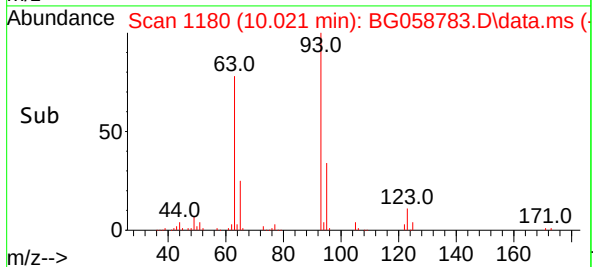
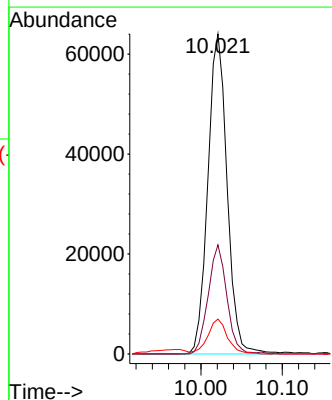
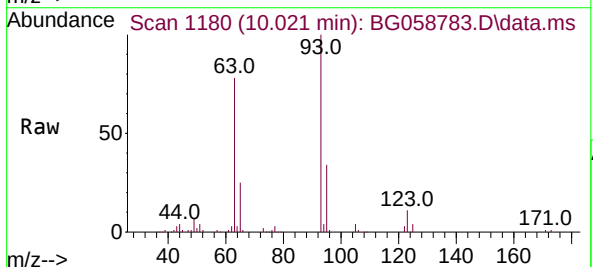
APPROVED

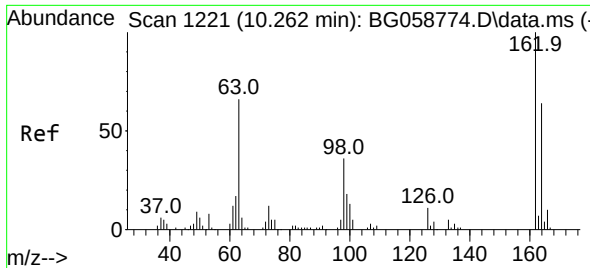
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 54.522 ng  
RT: 10.021 min Scan# 1180  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

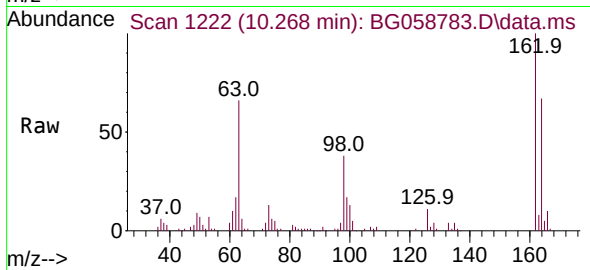
Tgt Ion: 93 Resp: 105417  
Ion Ratio Lower Upper  
93 100  
95 34.1 26.2 39.4  
123 10.9 8.1 12.1





#29  
2,4-Dichlorophenol  
Concen: 61.726 ng  
RT: 10.268 min Scan# 1222  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

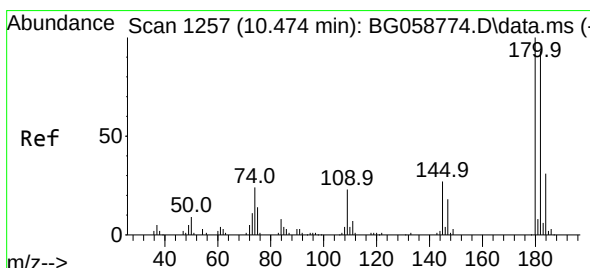
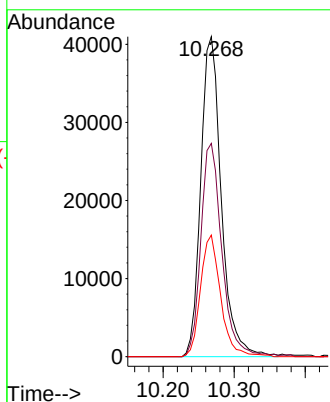
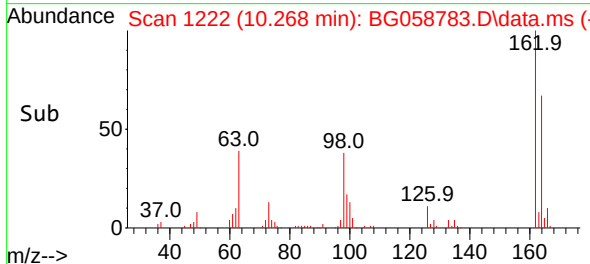
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



Tgt Ion:162 Resp: 82075  
Ion Ratio Lower Upper  
162 100  
164 66.6 44.4 84.4  
98 38.0 16.1 56.1

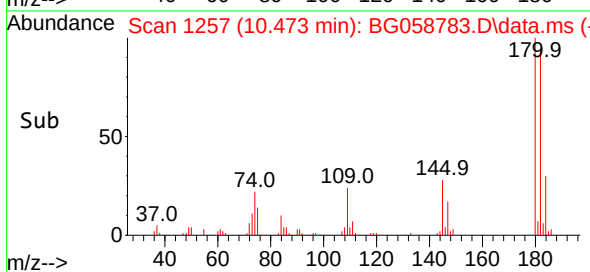
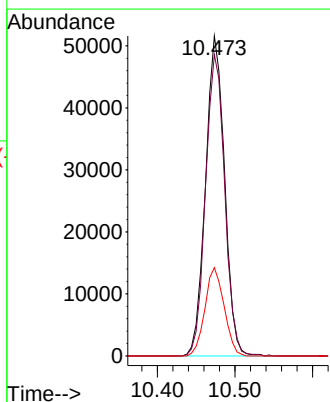
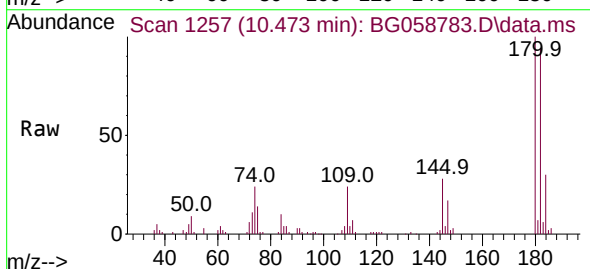
Manual Integrations  
APPROVED

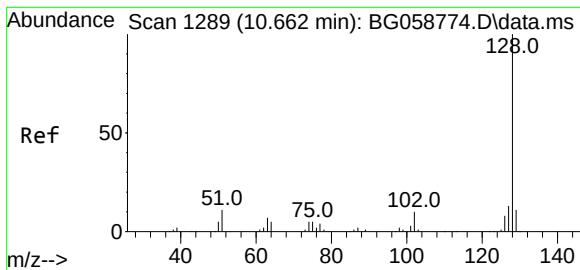
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 54.861 ng  
RT: 10.473 min Scan# 1257  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:180 Resp: 88087  
Ion Ratio Lower Upper  
180 100  
182 94.1 74.6 112.0  
145 27.6 21.4 32.0





#31  
Naphthalene  
Concen: 53.343 ng  
RT: 10.661 min Scan# 1170  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

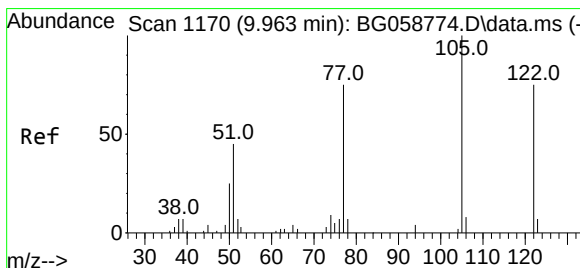
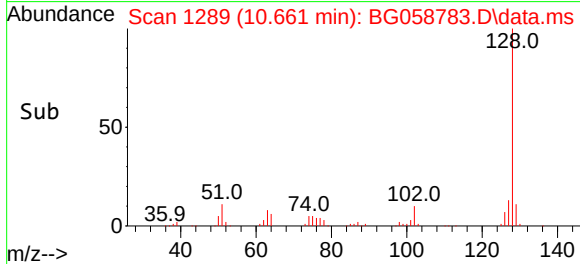
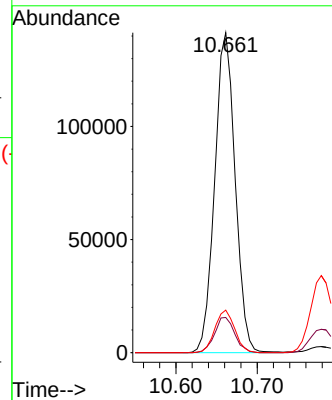
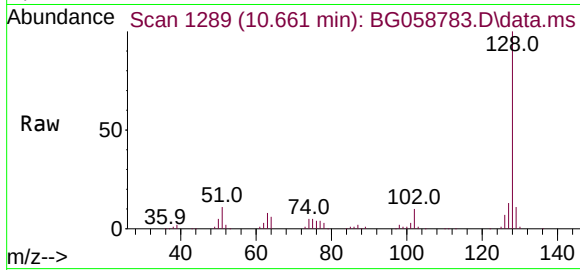
PB154882BS

Tgt Ion:128 Resp: 24716  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.9 13.3  
127 13.3 10.6 15.8

Manual Integrations

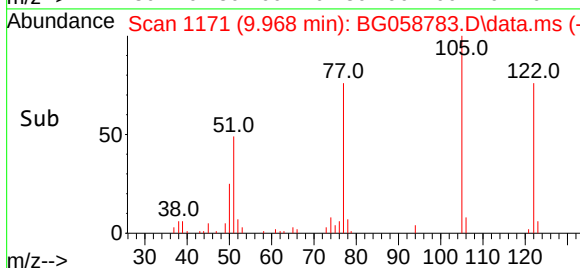
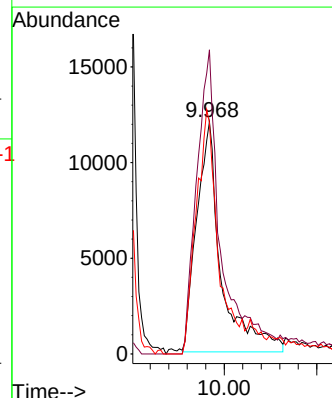
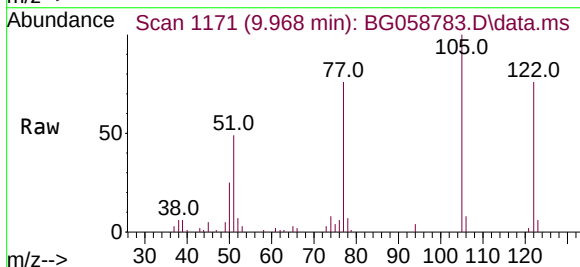
APPROVED

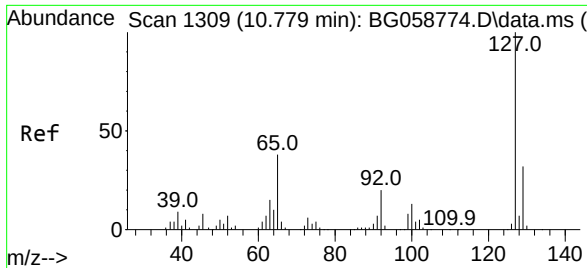
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#32  
Benzoic acid  
Concen: 54.886 ng m  
RT: 9.968 min Scan# 1171  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:122 Resp: 44266  
Ion Ratio Lower Upper  
122 100  
105 130.9 113.6 153.6  
77 99.5 79.7 119.7





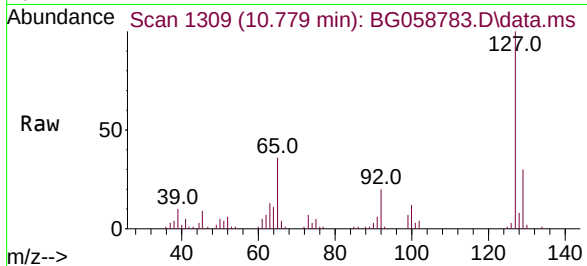
#33  
4-Chloroaniline  
Concen: 35.386 ng  
RT: 10.779 min Scan# 1309  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

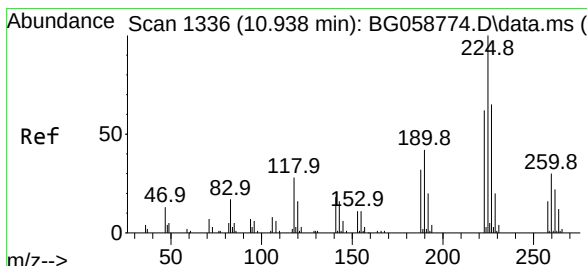
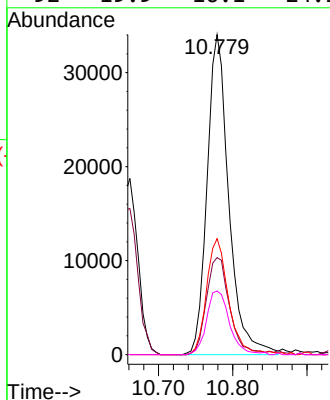
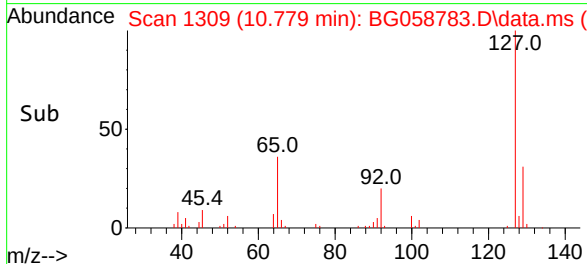


Tgt Ion:127 Resp: 69148  
Ion Ratio Lower Upper  
127 100  
129 30.3 25.2 37.8  
65 36.2 30.5 45.7  
92 19.9 16.1 24.1

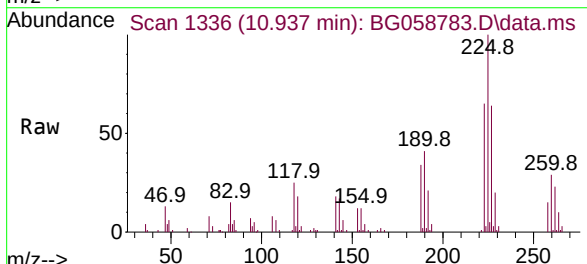
Manual Integrations

APPROVED

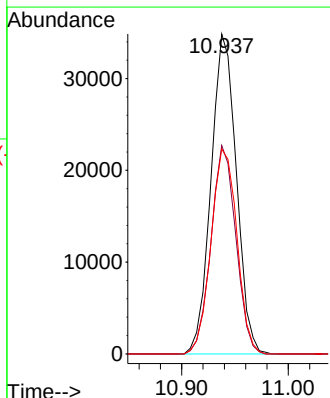
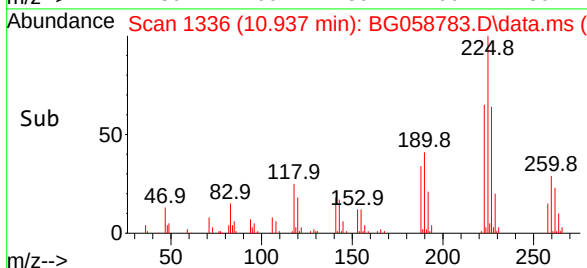
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

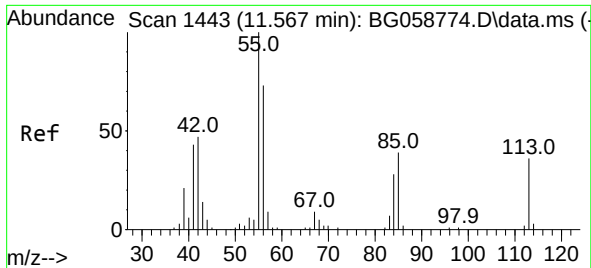


#34  
Hexachlorobutadiene  
Concen: 53.197 ng  
RT: 10.937 min Scan# 1336  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:225 Resp: 57648  
Ion Ratio Lower Upper  
225 100  
223 68.4 49.9 74.9  
227 64.0 51.6 77.4





#35  
 Caprolactam  
 Concen: 62.817 ng m  
 RT: 11.566 min Scan# 14  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

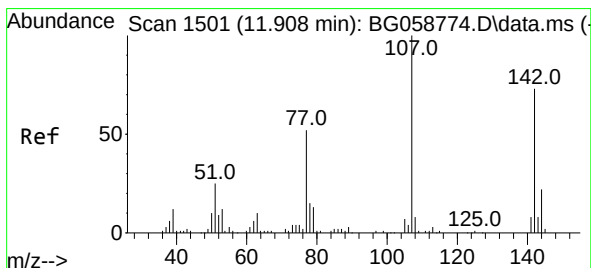
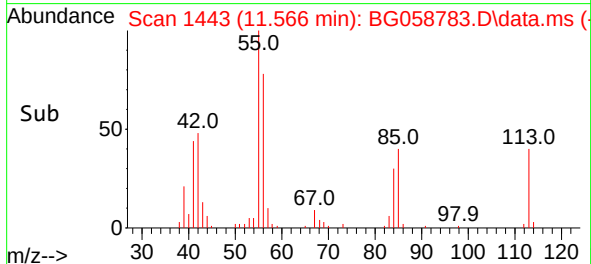
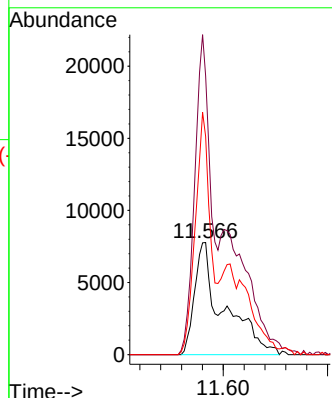
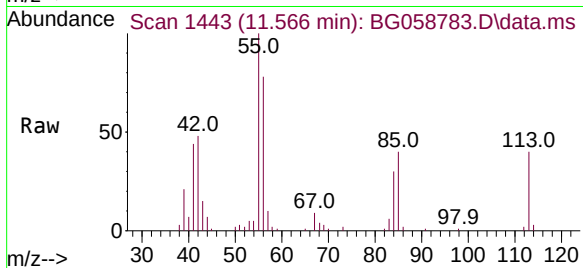
PB154882BS

Tgt Ion:113 Resp: 29930  
 Ion Ratio Lower Upper  
 113 100  
 55 248.6 256.3 296.3  
 56 194.6 180.4 220.4

Manual Integrations

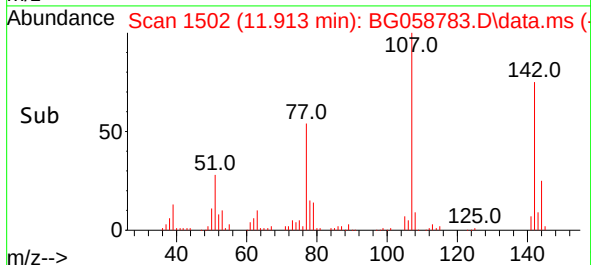
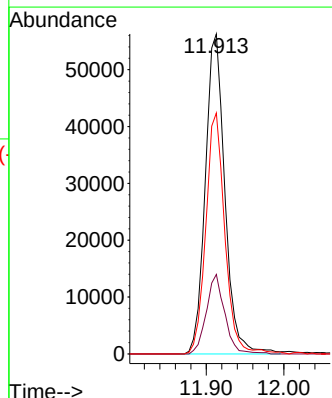
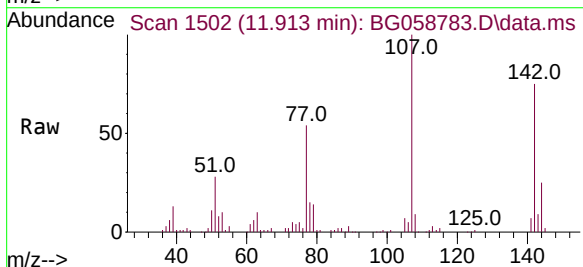
APPROVED

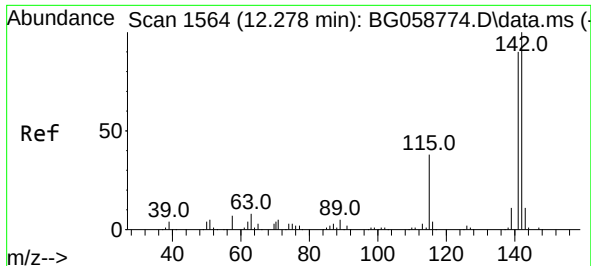
Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023



#36  
 4-Chloro-3-methylphenol  
 Concen: 59.653 ng  
 RT: 11.913 min Scan# 1502  
 Delta R.T. 0.005 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

Tgt Ion:107 Resp: 98640  
 Ion Ratio Lower Upper  
 107 100  
 144 24.8 17.9 26.9  
 142 75.3 58.5 87.7





#37

2-Methylnaphthalene

Concen: 51.399 ng

RT: 12.277 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG058783.D

Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

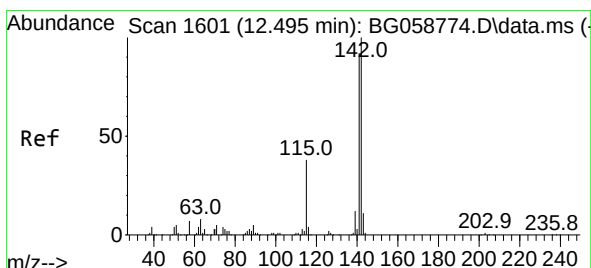
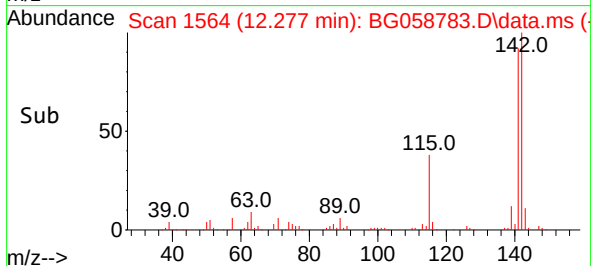
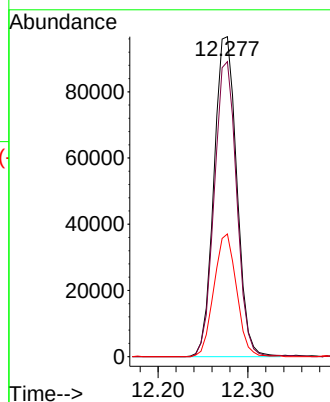
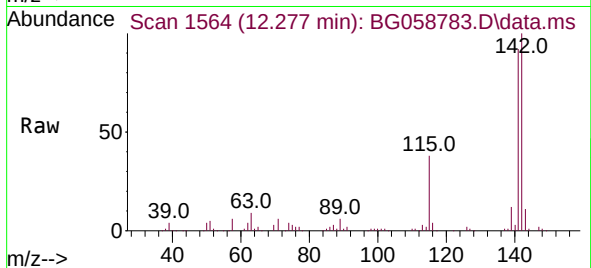
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 171050 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 92.2  | 71.8  | 107.8  |
| 115       | 38.4  | 30.6  | 45.8   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#38

1-Methylnaphthalene

Concen: 53.597 ng

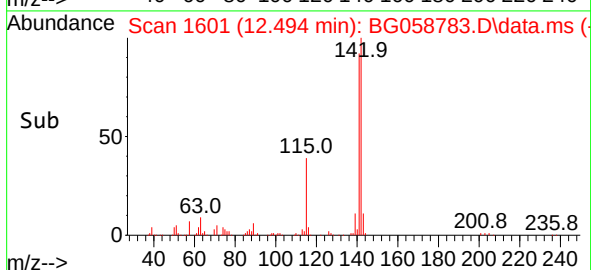
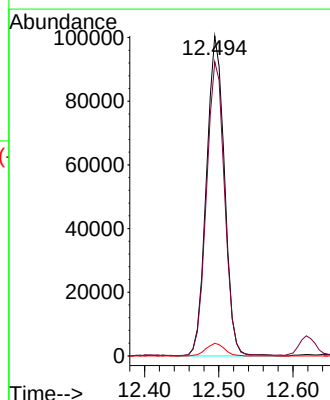
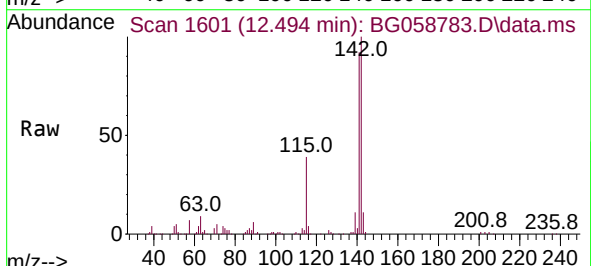
RT: 12.494 min Scan# 1601

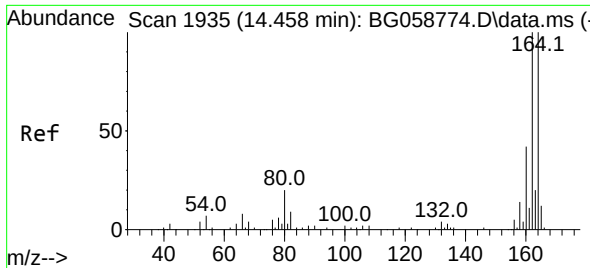
Delta R.T. -0.001 min

Lab File: BG058783.D

Acq: 18 Aug 2023 19:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 169313 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 91.9  | 73.9  | 110.9  |
| 116       | 3.9   | 3.2   | 4.8    |





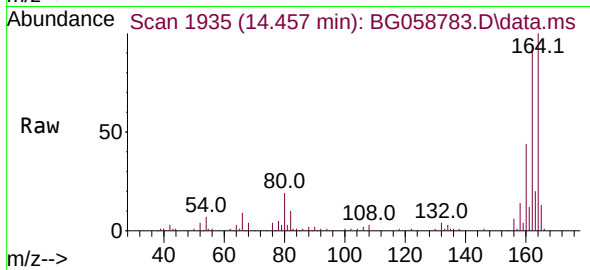
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

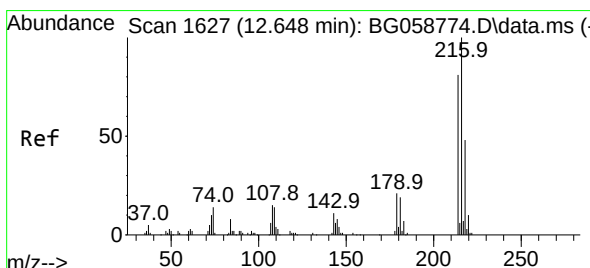
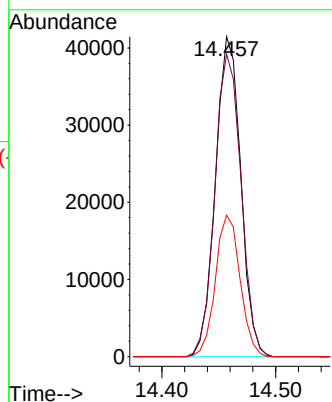
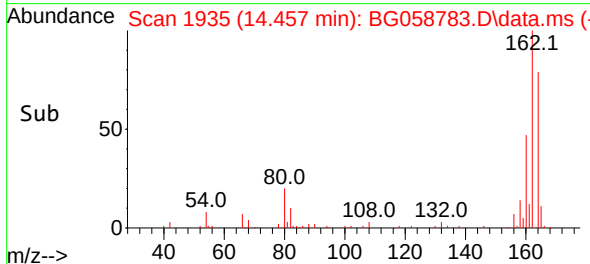


Tgt Ion:164 Resp: 64105  
Ion Ratio Lower Upper  
164 100  
162 94.5 79.6 119.4  
160 44.2 34.0 51.0

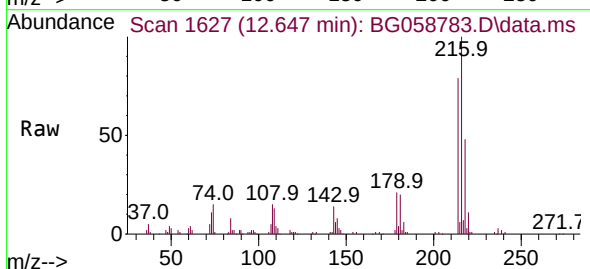
Manual Integrations

APPROVED

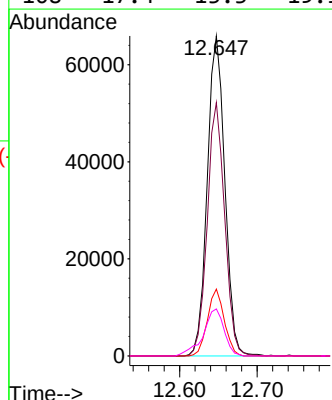
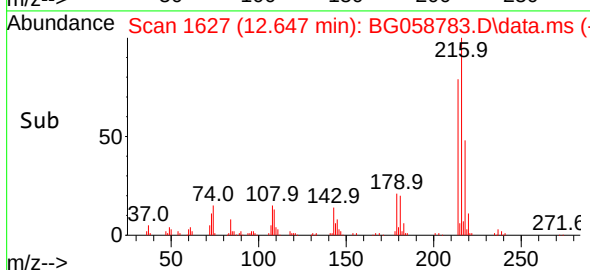
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

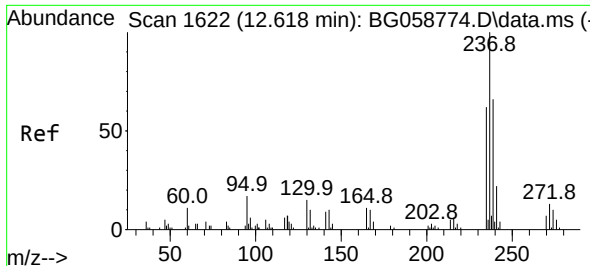


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 52.441 ng  
RT: 12.647 min Scan# 1627  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



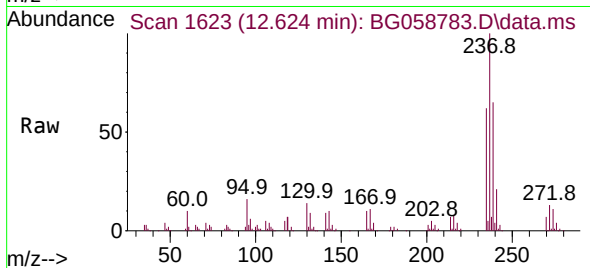
Tgt Ion:216 Resp: 103637  
Ion Ratio Lower Upper  
216 100  
214 78.5 64.0 96.0  
179 20.0 16.2 24.4  
108 17.4 13.3 19.9





#41  
Hexachlorocyclopentadiene  
Concen: 116.757 ng  
RT: 12.624 min Scan# 1622  
Delta R.T. 0.006 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

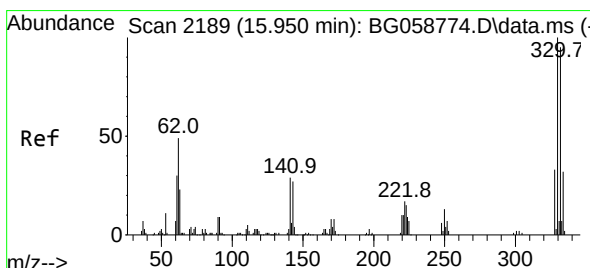
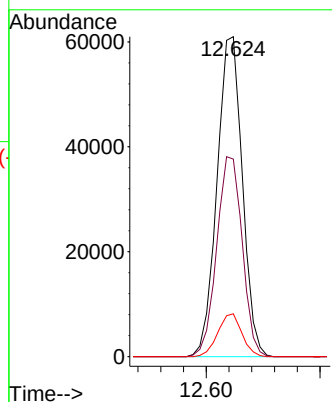
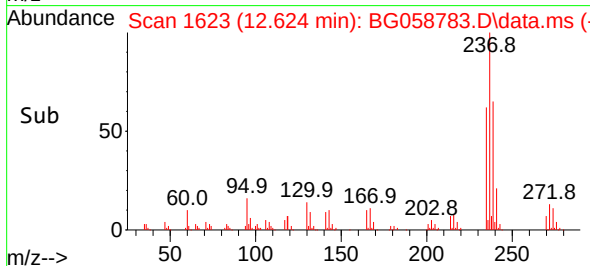
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



Tgt Ion:237 Resp: 94305  
Ion Ratio Lower Upper  
237 100  
235 61.7 41.5 81.5  
272 13.4 0.0 32.5

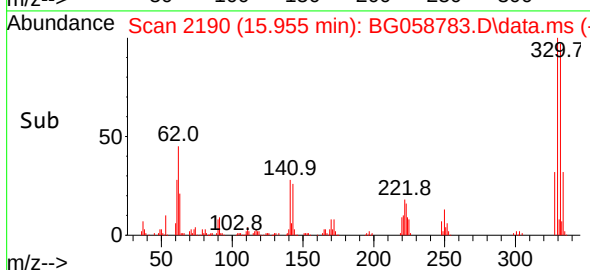
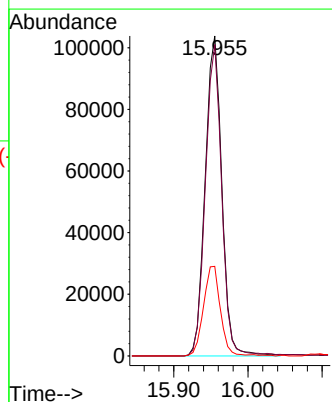
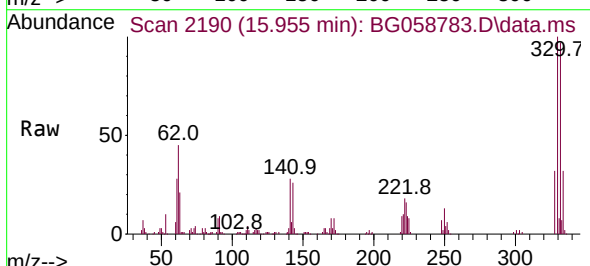
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

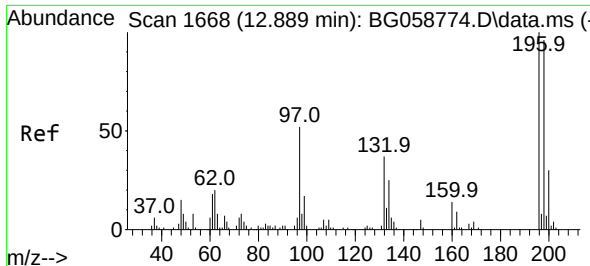


#42  
2,4,6-Tribromophenol  
Concen: 160.856 ng  
RT: 15.955 min Scan# 2190  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:330 Resp: 161685  
Ion Ratio Lower Upper  
330 100  
332 96.4 78.5 117.7  
141 28.6 23.0 34.6







#43  
2,4,6-Trichlorophenol  
Concen: 59.398 ng  
RT: 12.888 min Scan# 1668  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

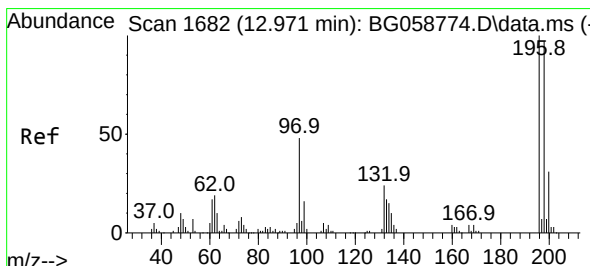
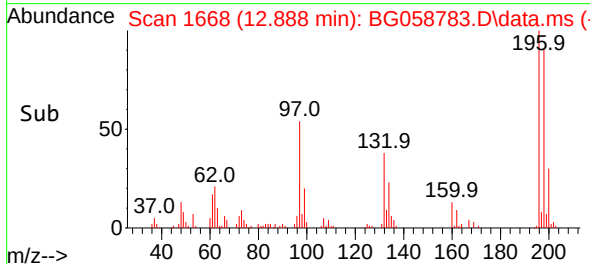
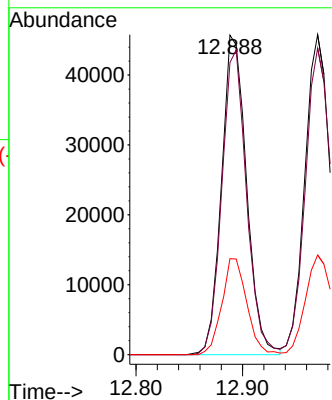
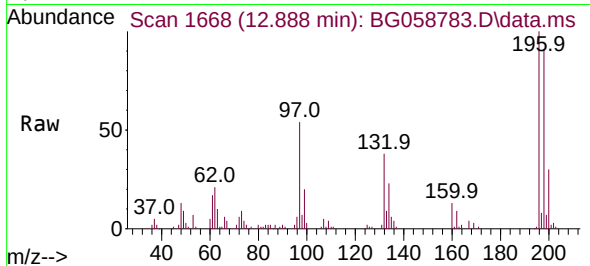
PB154882BS

Tgt Ion:196 Resp: 74693  
Ion Ratio Lower Upper  
196 100  
198 91.4 77.0 115.4  
200 30.0 23.8 35.6

Manual Integrations

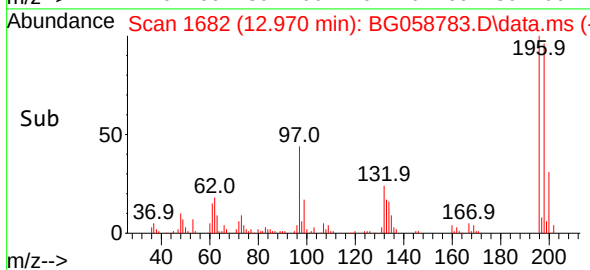
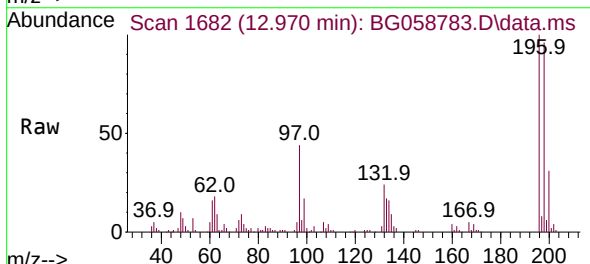
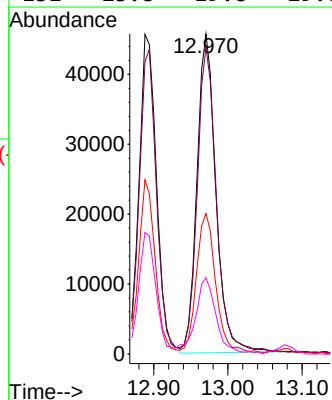
APPROVED

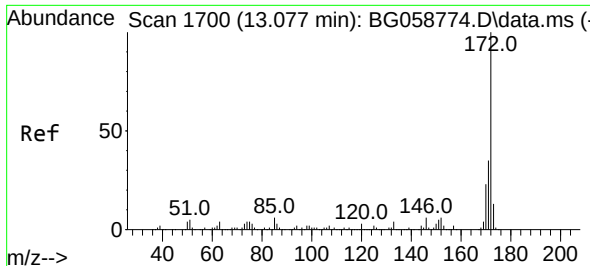
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#44  
2,4,5-Trichlorophenol  
Concen: 53.864 ng  
RT: 12.970 min Scan# 1682  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

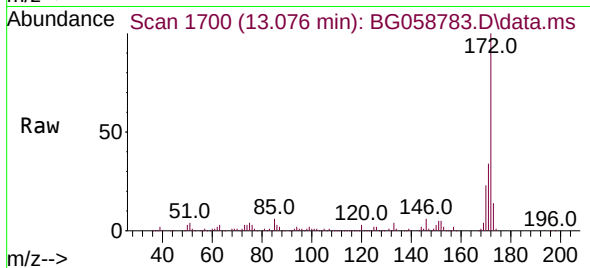
Tgt Ion:196 Resp: 81112  
Ion Ratio Lower Upper  
196 100  
198 95.8 78.0 117.0  
97 43.8 38.7 58.1  
132 23.8 19.8 29.6





#45  
2-Fluorobiphenyl  
Concen: 99.695 ng  
RT: 13.076 min Scan# 1700  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

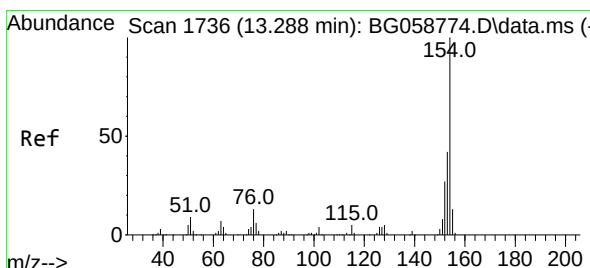
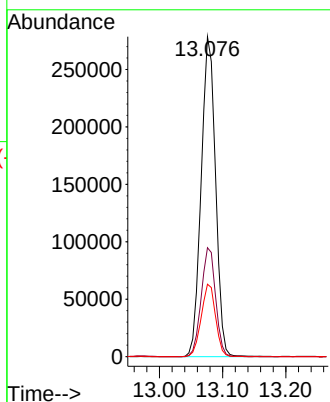
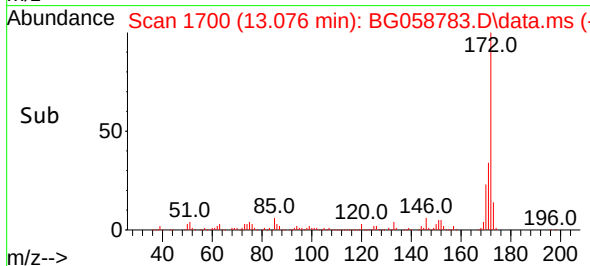
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



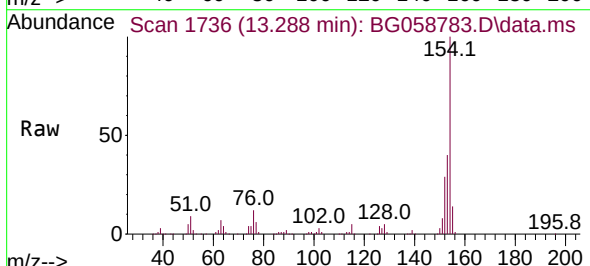
Tgt Ion:172 Resp: 439402  
Ion Ratio Lower Upper  
172 100  
171 34.0 28.1 42.1  
170 22.6 18.6 27.8

Manual Integrations  
APPROVED

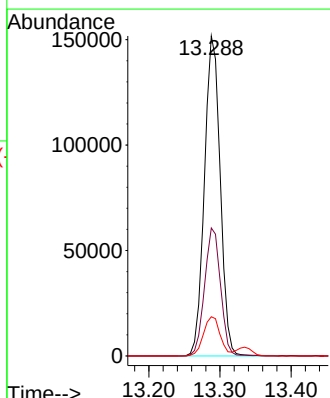
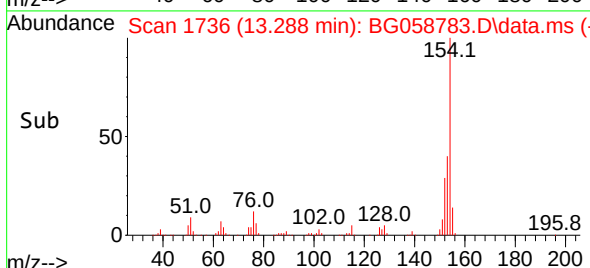
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

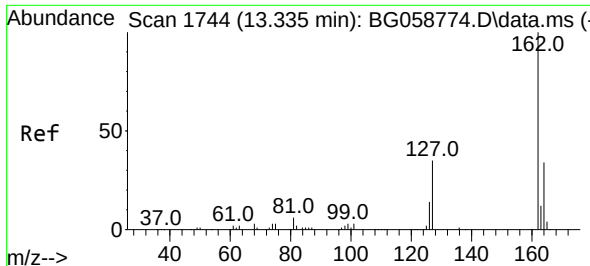


#46  
1,1'-Biphenyl  
Concen: 52.939 ng  
RT: 13.288 min Scan# 1736  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



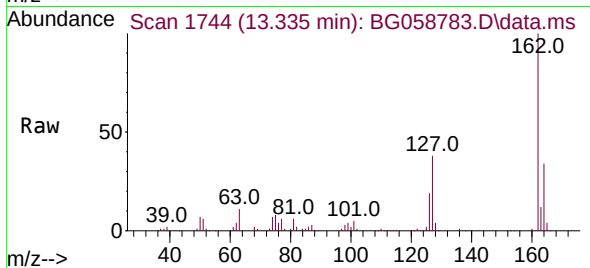
Tgt Ion:154 Resp: 233781  
Ion Ratio Lower Upper  
154 100  
153 40.0 21.7 61.7  
76 12.2 0.0 33.2





#47  
2-Chloronaphthalene  
Concen: 54.571 ng  
RT: 13.335 min Scan# 1744  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

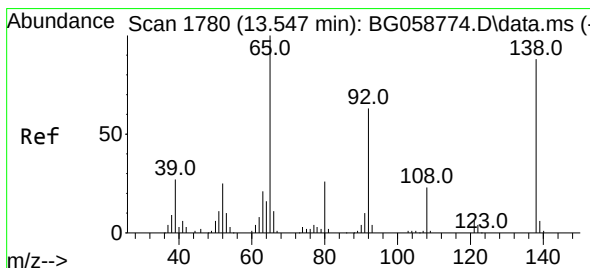
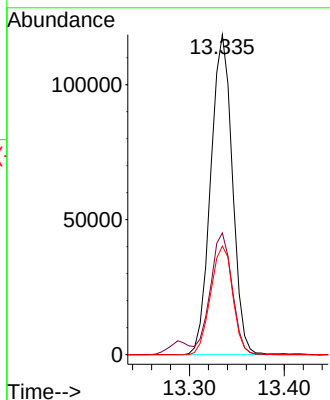
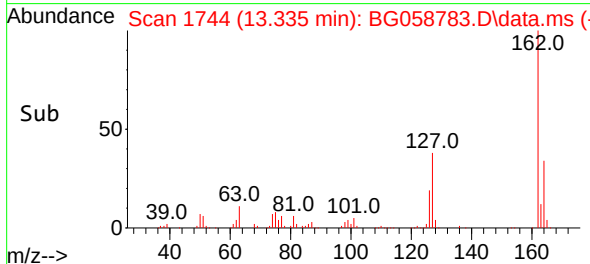
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



Tgt Ion:162 Resp: 187804  
Ion Ratio Lower Upper  
162 100  
127 38.0 31.5 47.3  
164 33.9 27.3 40.9

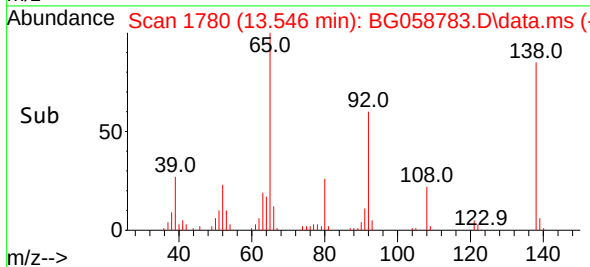
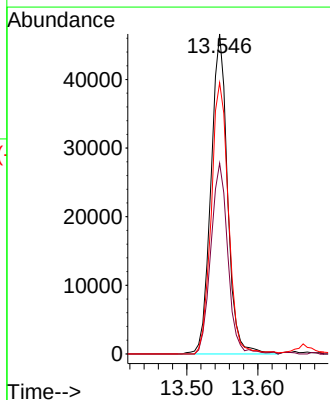
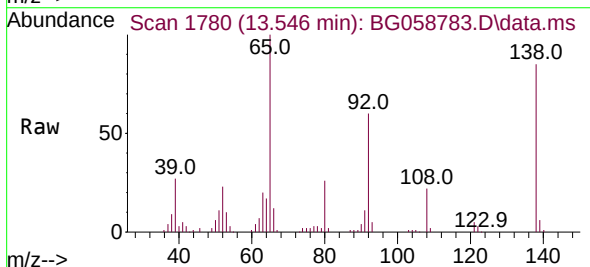
Manual Integrations  
APPROVED

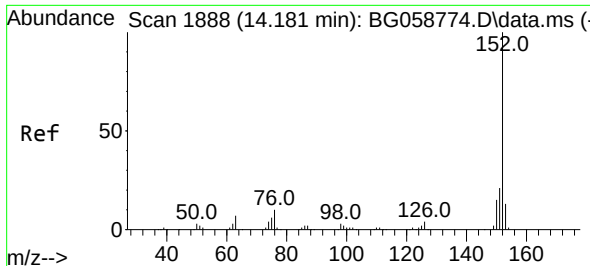
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#48  
2-Nitroaniline  
Concen: 57.835 ng  
RT: 13.546 min Scan# 1780  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion: 65 Resp: 75593  
Ion Ratio Lower Upper  
65 100  
92 59.6 50.7 76.1  
138 84.7 70.7 106.1





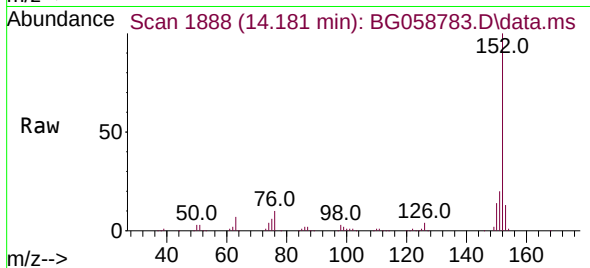
#49  
Acenaphthylene  
Concen: 55.501 ng  
RT: 14.181 min Scan# 1888  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

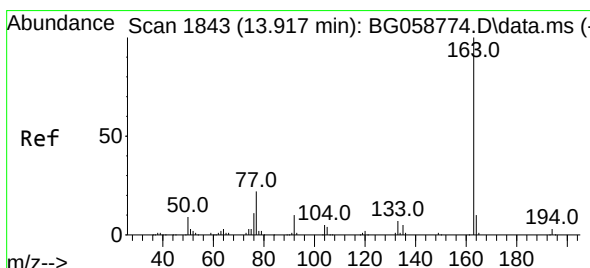
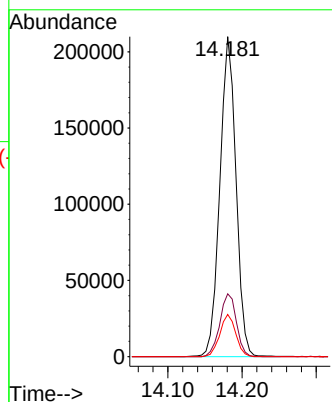
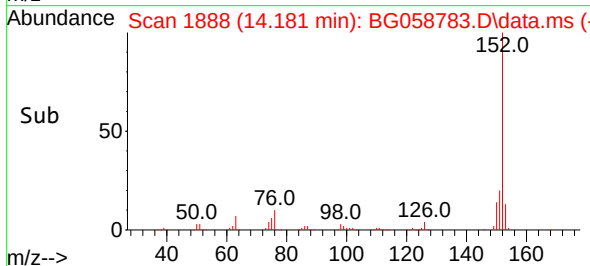


Tgt Ion:152 Resp: 31674  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.9 25.3  
153 13.2 10.7 16.1

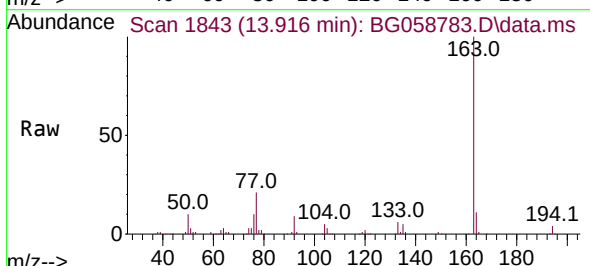
Manual Integrations

APPROVED

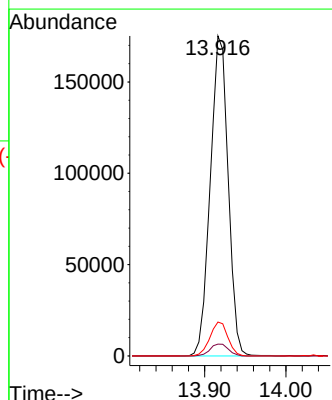
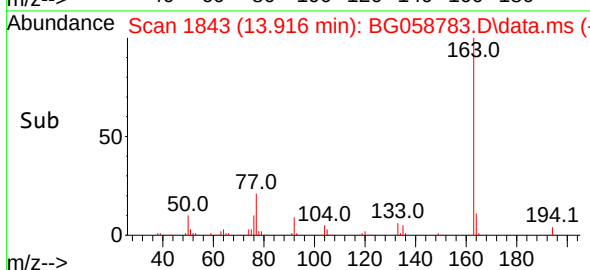
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

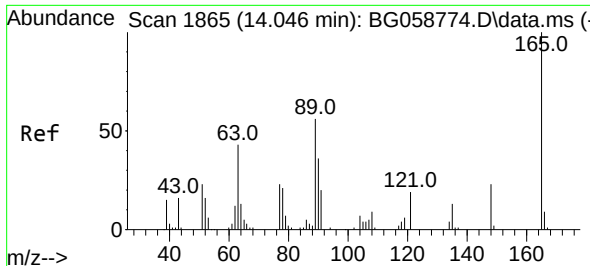


#50  
Dimethylphthalate  
Concen: 53.931 ng  
RT: 13.916 min Scan# 1843  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:163 Resp: 267684  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.7 4.1  
164 10.6 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 58.260 ng  
RT: 14.040 min Scan# 1865  
Delta R.T. -0.007 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

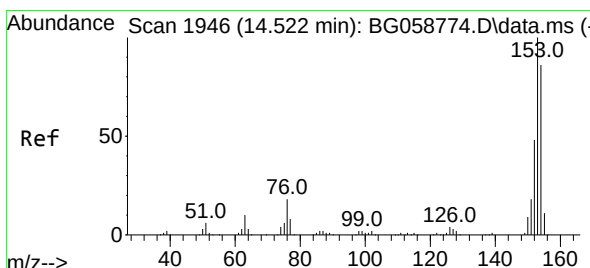
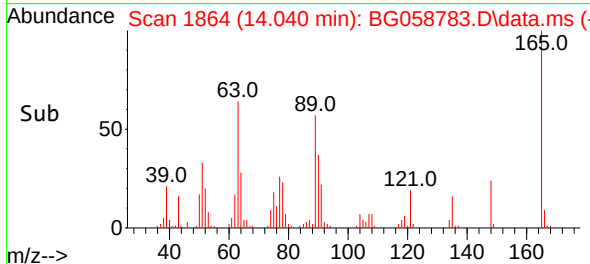
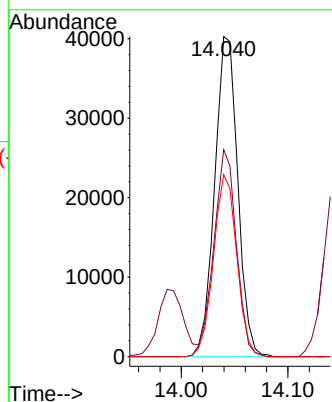
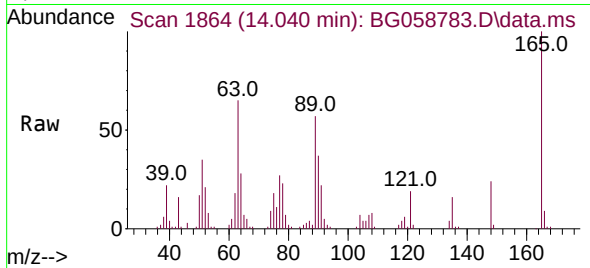
PB154882BS

Tgt Ion:165 Resp: 60752  
Ion Ratio Lower Upper  
165 100  
63 64.7 47.2 70.8  
89 56.9 45.0 67.4

Manual Integrations

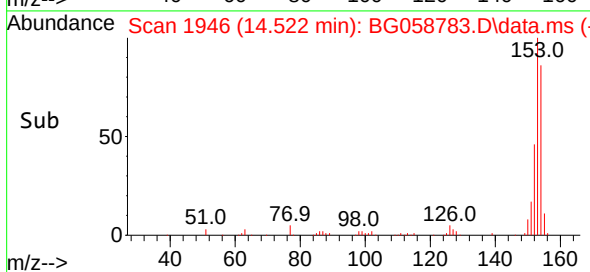
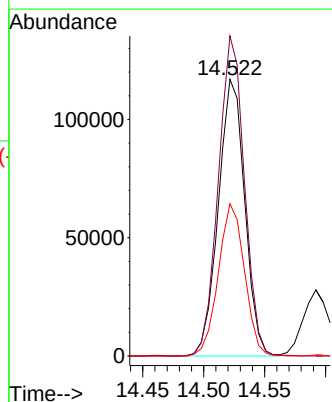
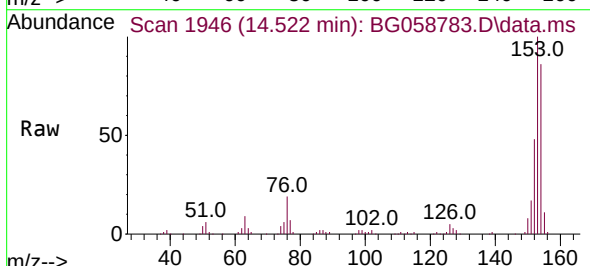
APPROVED

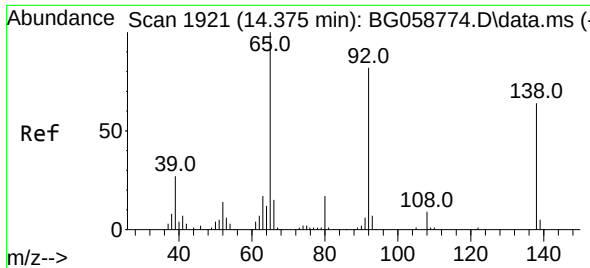
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#52  
Acenaphthene  
Concen: 52.840 ng  
RT: 14.522 min Scan# 1946  
Delta R.T. -0.000 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:154 Resp: 176226  
Ion Ratio Lower Upper  
154 100  
153 115.7 92.7 139.1  
152 55.0 44.2 66.2





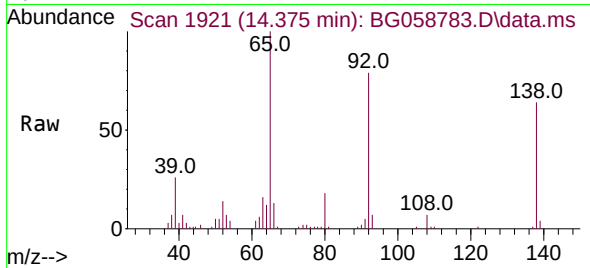
#53  
3-Nitroaniline  
Concen: 41.850 ng  
RT: 14.375 min Scan# 1921  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS



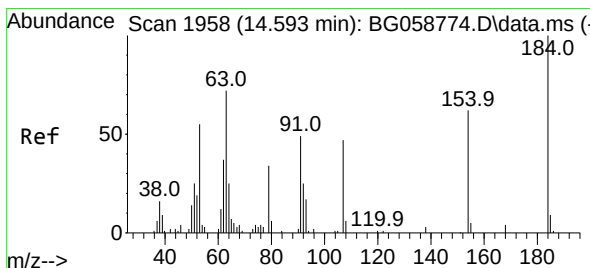
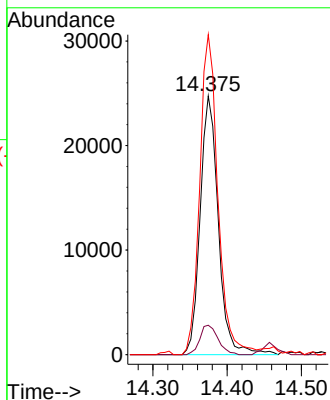
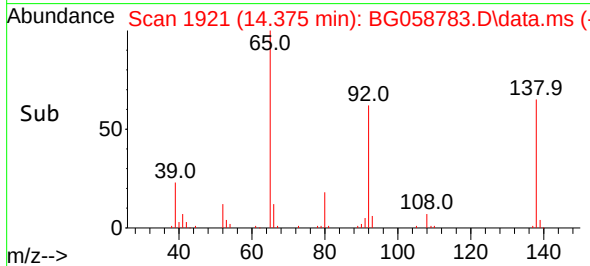
Tgt Ion:138 Resp: 42090  
Ion Ratio Lower Upper  
138 100  
108 11.4 11.8 17.8  
92 123.7 102.5 153.7

Manual Integrations

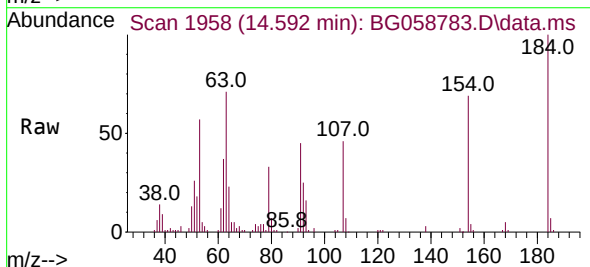
APPROVED

Reviewed By :Yogesh Patel 08/22/2023

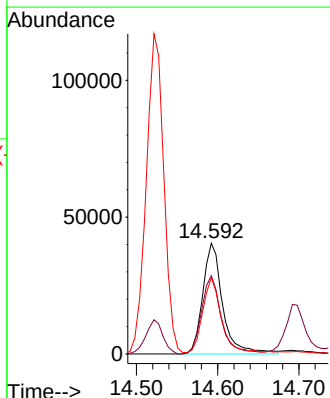
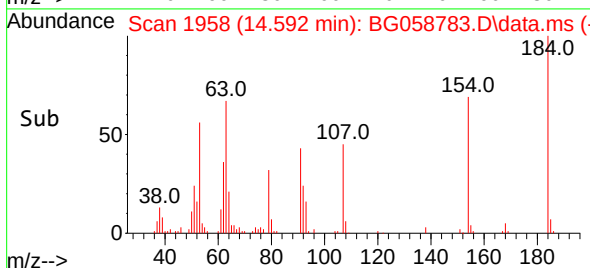
Supervised By :mohammad ahmed 08/22/2023

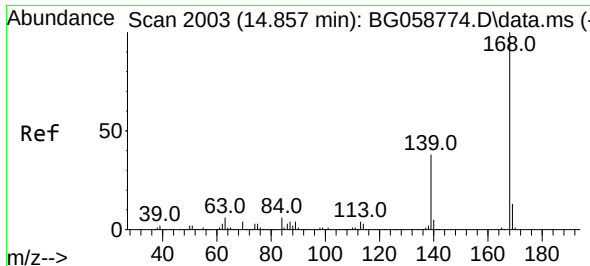


#54  
2,4-Dinitrophenol  
Concen: 115.066 ng  
RT: 14.592 min Scan# 1958  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:184 Resp: 68986  
Ion Ratio Lower Upper  
184 100  
63 70.6 57.7 86.5  
154 69.0 51.8 77.6





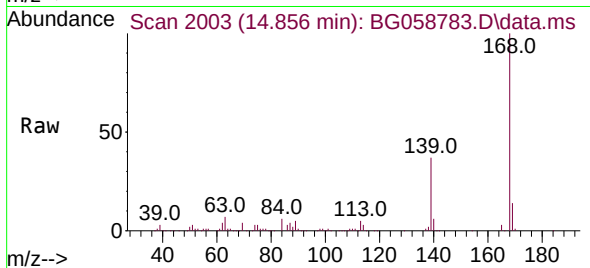
#55  
Dibenzofuran  
Concen: 53.095 ng  
RT: 14.856 min Scan# 2003  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

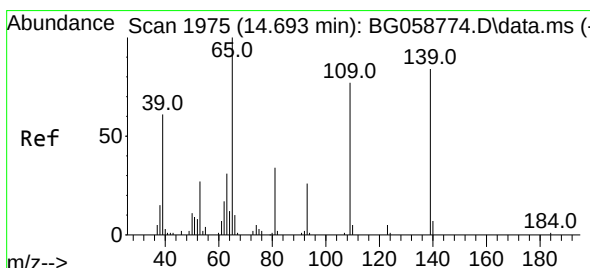
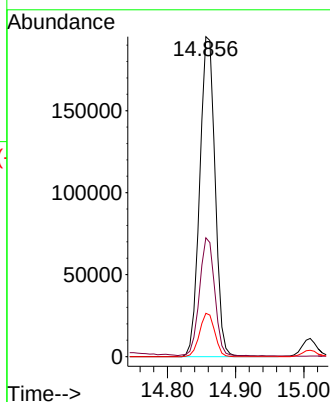
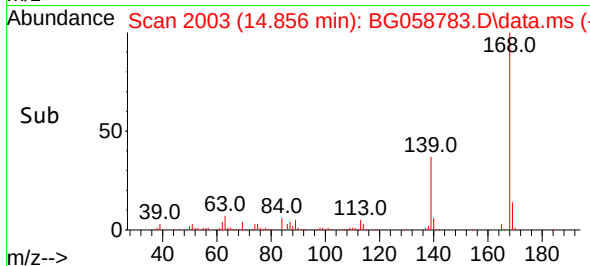


Tgt Ion:168 Resp: 305453  
Ion Ratio Lower Upper  
168 100  
139 37.1 30.4 45.6  
169 13.5 10.7 16.1

Manual Integrations

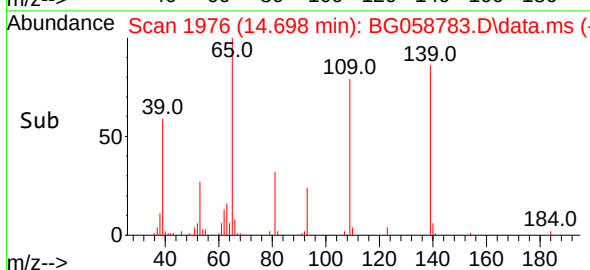
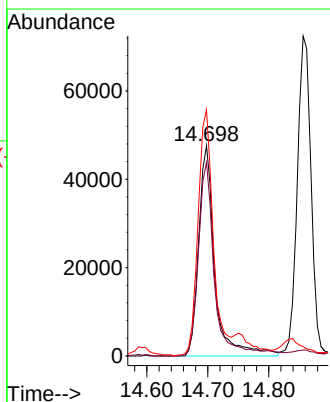
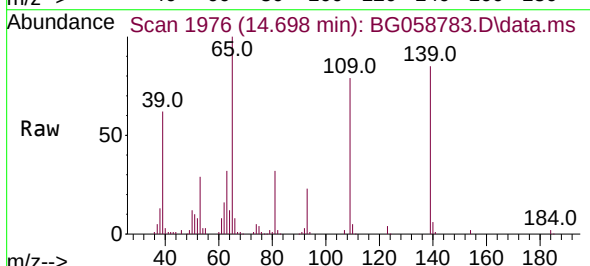
APPROVED

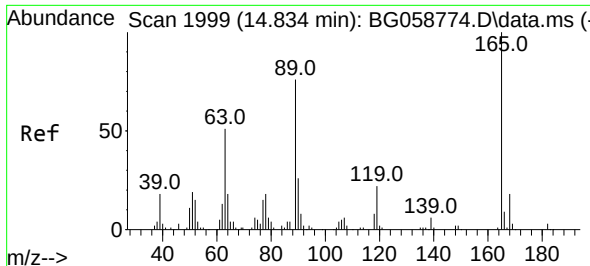
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#56  
4-Nitrophenol  
Concen: 118.304 ng  
RT: 14.698 min Scan# 1976  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:139 Resp: 87720  
Ion Ratio Lower Upper  
139 100  
109 92.1 71.9 111.9  
65 117.0 100.7 140.7





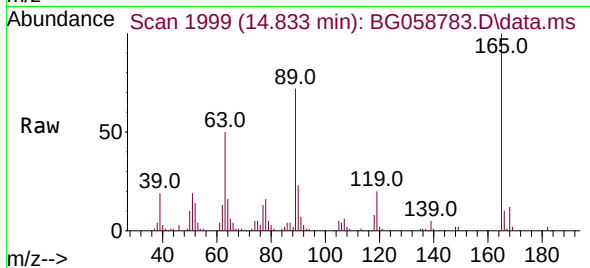
#57  
2,4-Dinitrotoluene  
Concen: 60.350 ng  
RT: 14.833 min Scan# 1999  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

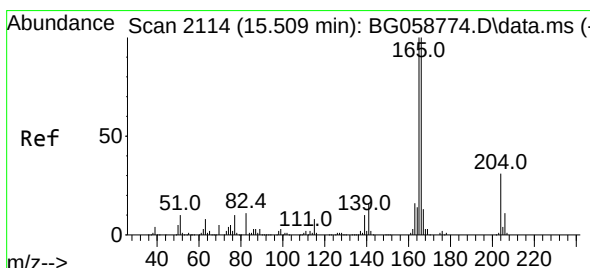
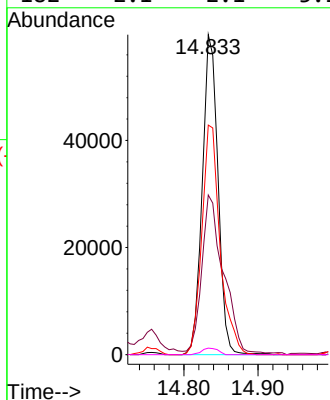
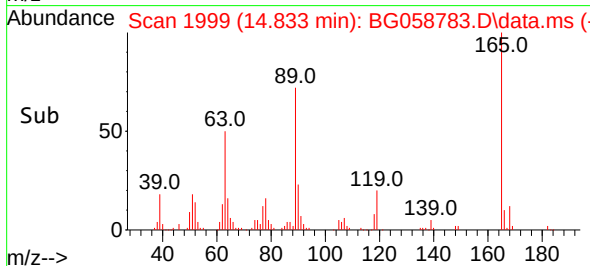


Tgt Ion:165 Resp: 87775  
Ion Ratio Lower Upper  
165 100  
63 49.9 41.8 62.6  
89 71.7 60.7 91.1  
182 2.1 2.1 3.1#

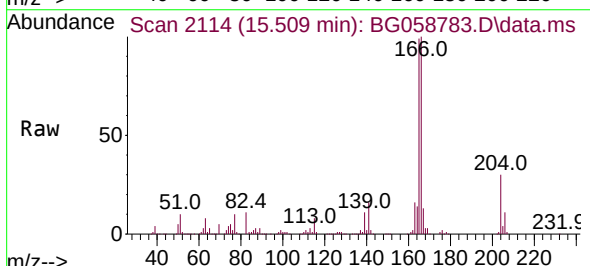
Manual Integrations

APPROVED

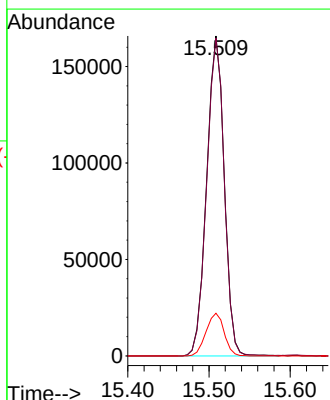
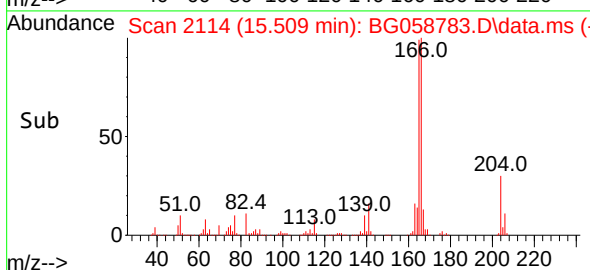
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



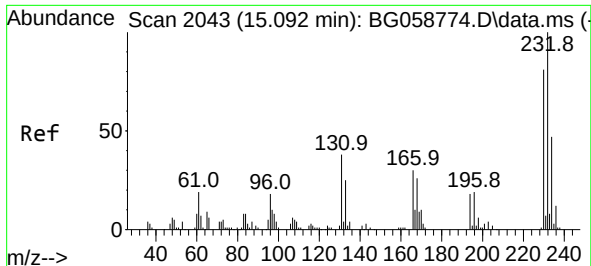
#58  
Fluorene  
Concen: 54.593 ng  
RT: 15.509 min Scan# 2114  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:166 Resp: 249949  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.9 119.9  
167 13.3 10.7 16.1







#59  
2,3,4,6-Tetrachlorophenol  
Concen: 62.990 ng  
RT: 15.091 min Scan# 2043  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

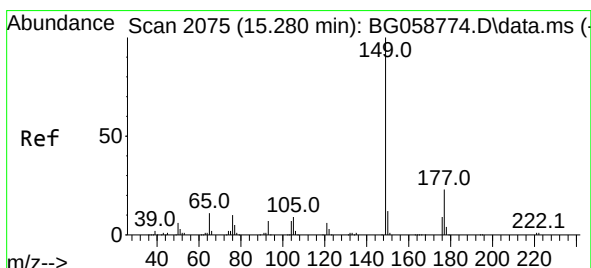
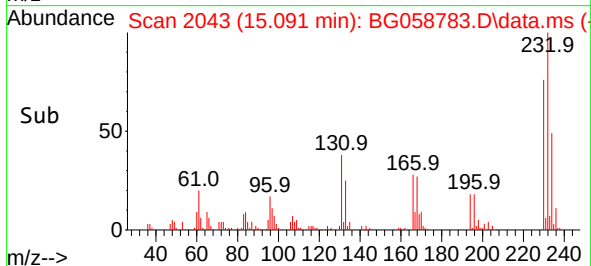
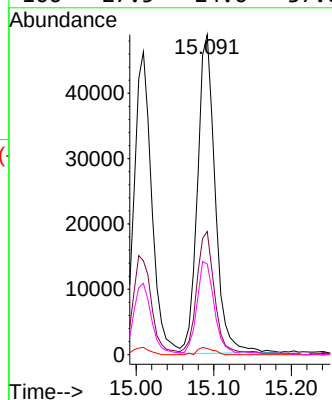
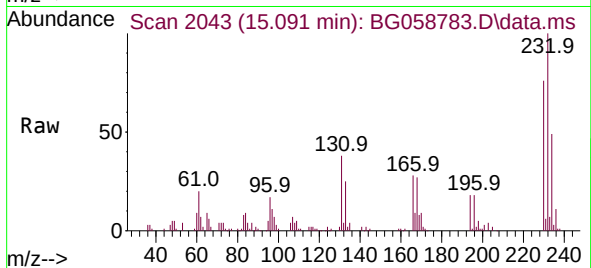
PB154882BS

Tgt Ion:232 Resp: 77404  
Ion Ratio Lower Upper  
232 100  
131 38.1 33.9 50.9  
130 2.1 1.8 2.6  
166 27.5 24.6 37.0

Manual Integrations

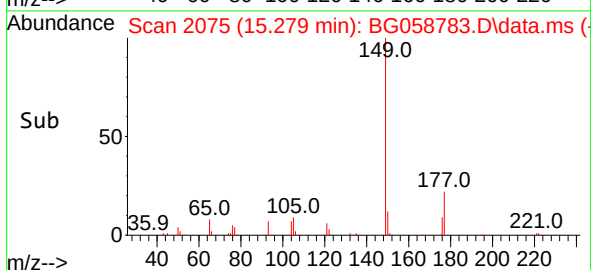
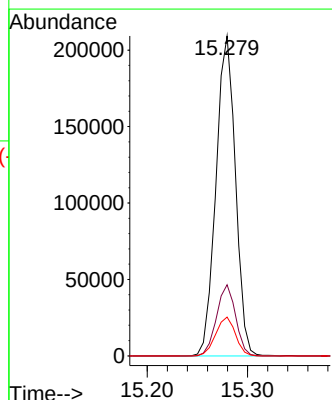
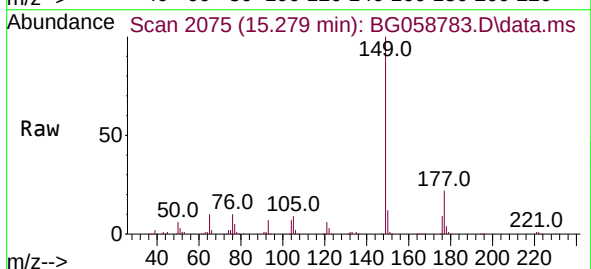
APPROVED

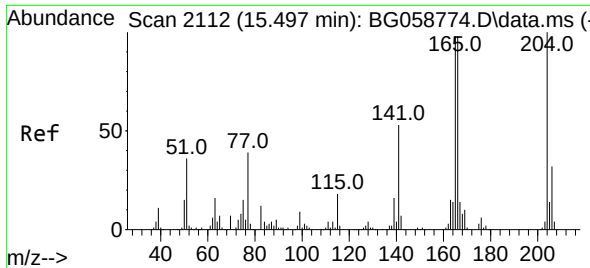
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#60  
Diethylphthalate  
Concen: 55.243 ng  
RT: 15.279 min Scan# 2075  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

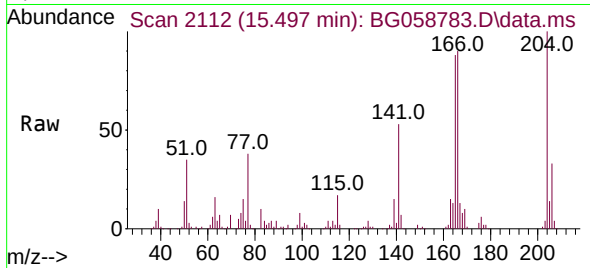
Tgt Ion:149 Resp: 282710  
Ion Ratio Lower Upper  
149 100  
177 22.2 18.2 27.2  
150 12.1 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 53.805 ng  
RT: 15.497 min Scan# 2112  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

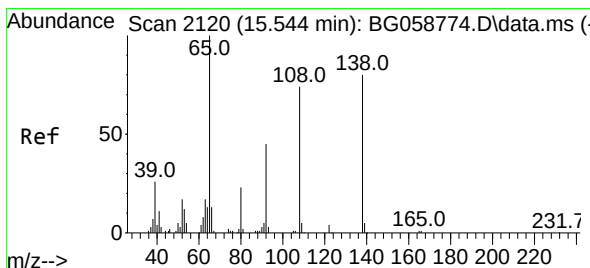
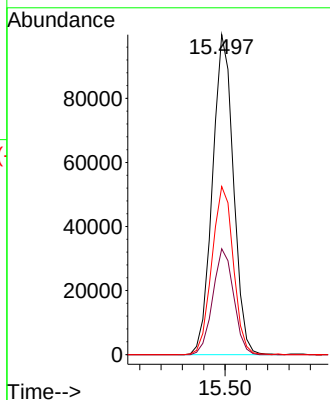
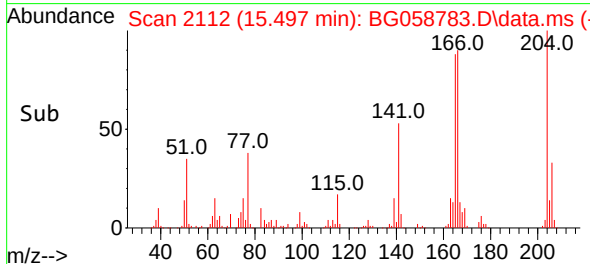
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



Tgt Ion:204 Resp: 136540  
Ion Ratio Lower Upper  
204 100  
206 33.1 25.6 38.4  
141 52.5 42.3 63.5

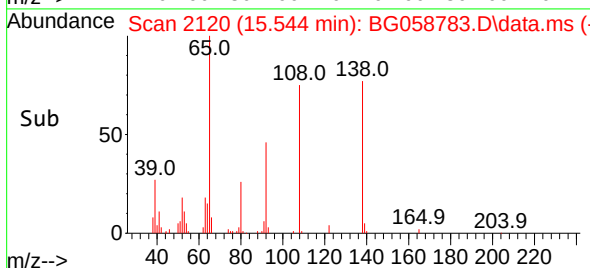
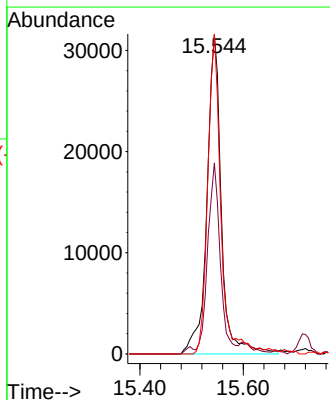
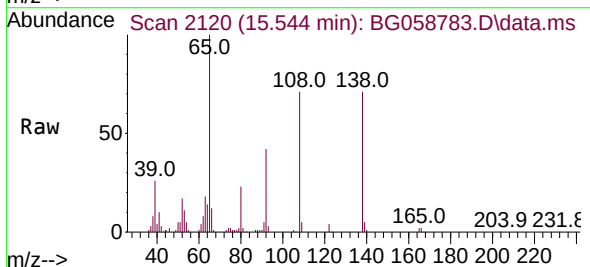
Manual Integrations  
APPROVED

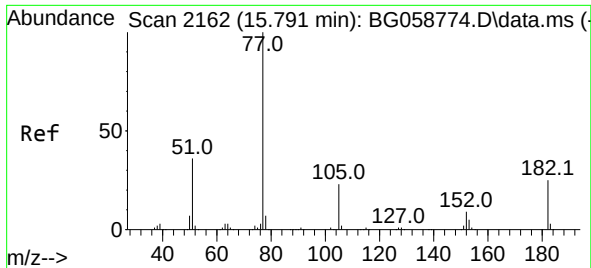
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#62  
4-Nitroaniline  
Concen: 59.834 ng  
RT: 15.544 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:138 Resp: 61069  
Ion Ratio Lower Upper  
138 100  
92 59.8 36.4 76.4  
108 100.3 72.2 112.2





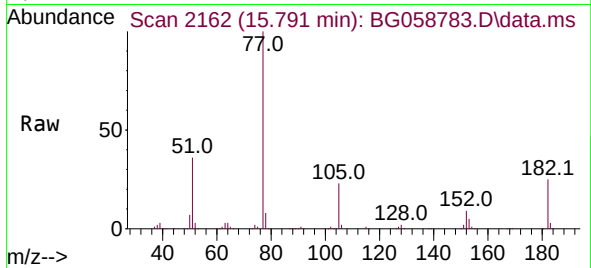
#63  
Azobenzene  
Concen: 54.101 ng  
RT: 15.791 min Scan# 2162  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

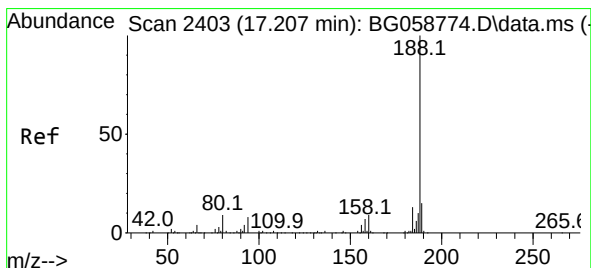
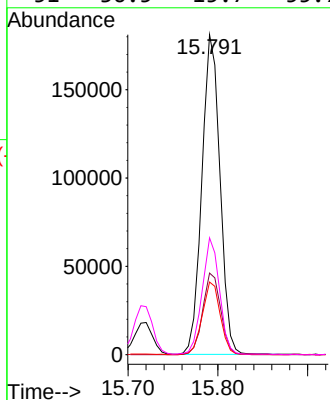
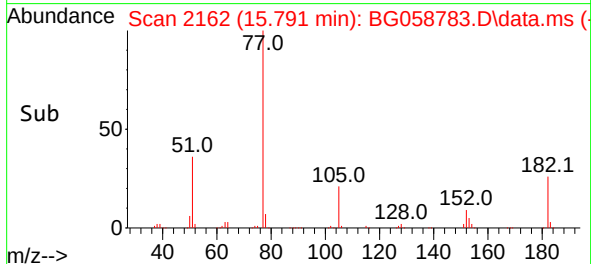


Tgt Ion: 77 Resp: 254225  
Ion Ratio Lower Upper  
77 100  
182 25.5 4.9 44.9  
105 22.7 2.8 42.8  
51 36.5 15.7 55.7

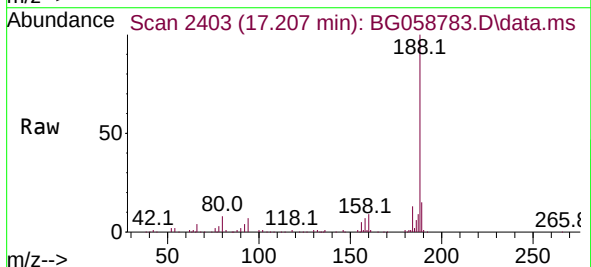
Manual Integrations

APPROVED

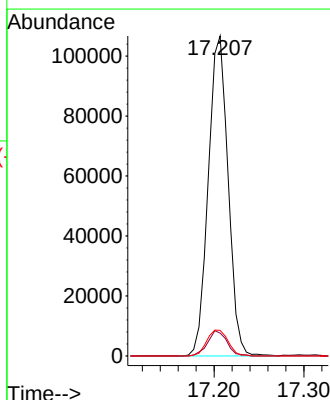
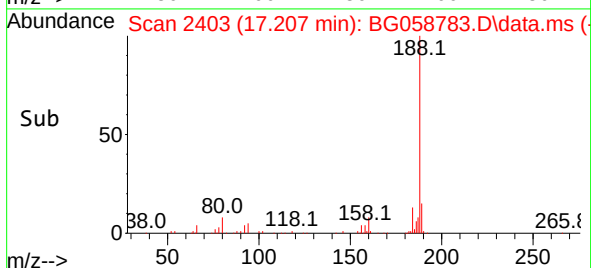
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

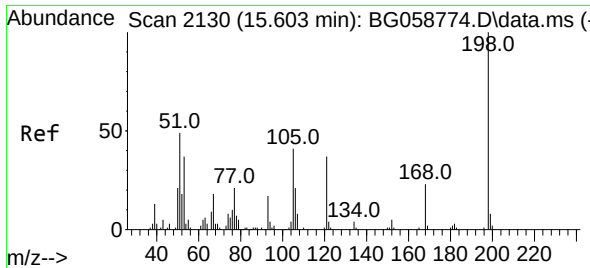


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.207 min Scan# 2403  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



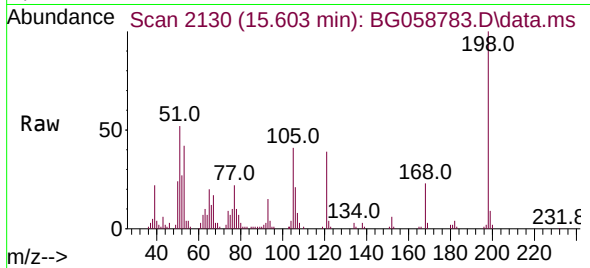
Tgt Ion:188 Resp: 163330  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.1 9.1  
80 8.0 6.9 10.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 56.188 ng  
RT: 15.603 min Scan# 2150  
Delta R.T. -0.000 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

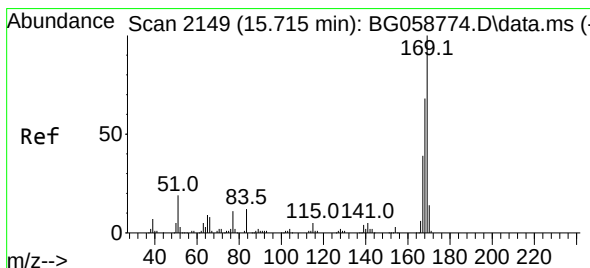
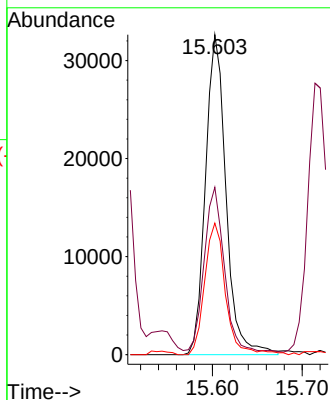
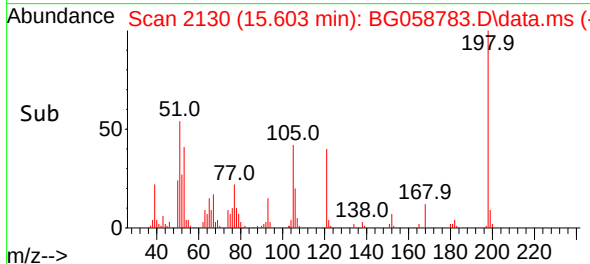
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



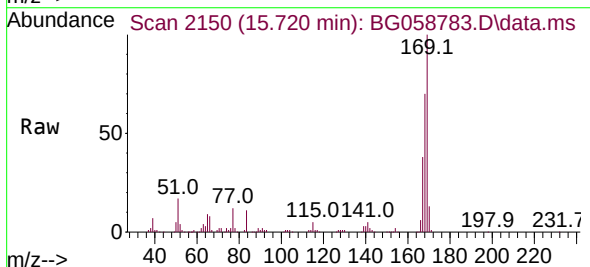
Tgt Ion:198 Resp: 51874  
Ion Ratio Lower Upper  
198 100  
51 52.3 31.3 71.3  
105 41.1 20.7 60.7

Manual Integrations  
APPROVED

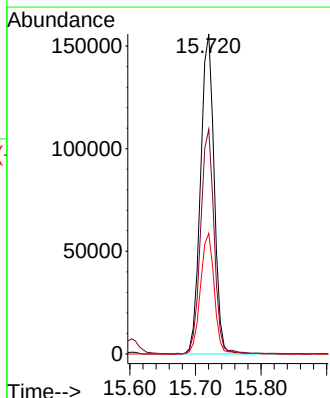
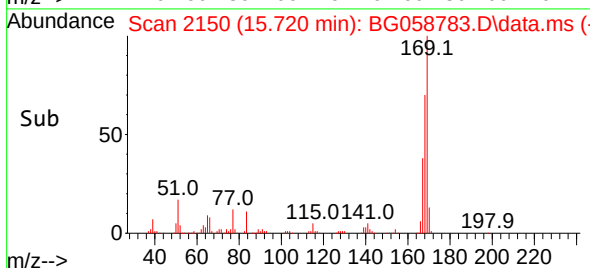
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

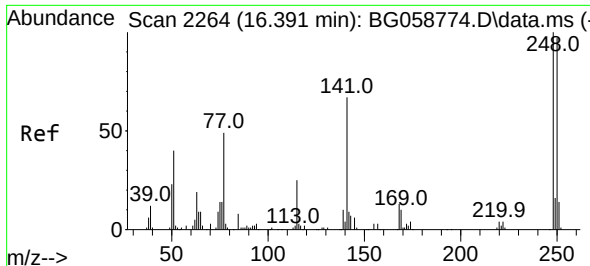


#66  
n-Nitrosodiphenylamine  
Concen: 52.998 ng  
RT: 15.720 min Scan# 2150  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



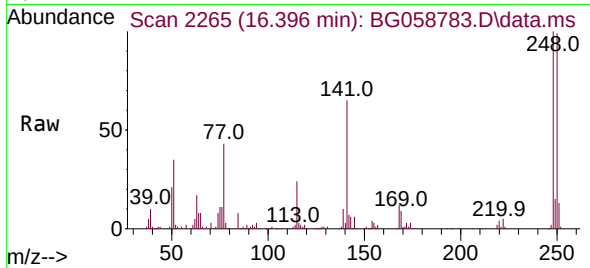
Tgt Ion:169 Resp: 223103  
Ion Ratio Lower Upper  
169 100  
168 70.2 54.4 81.6  
167 37.7 31.4 47.0





#67  
4-Bromophenyl-phenylether  
Concen: 52.424 ng  
RT: 16.396 min Scan# 2264  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

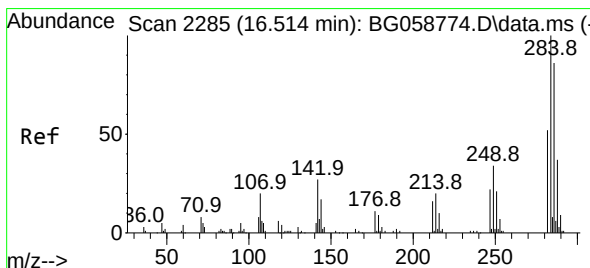
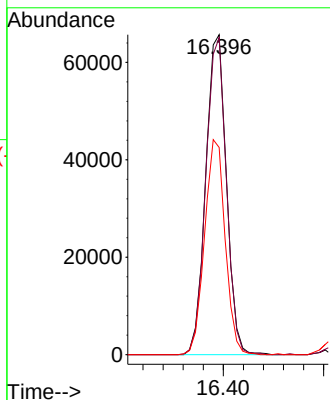
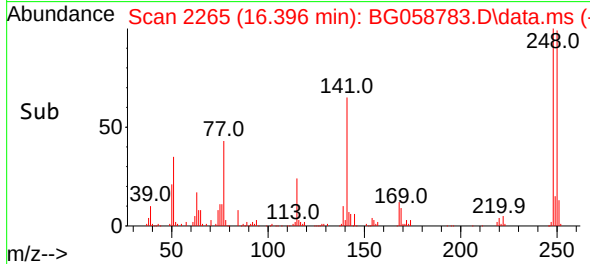
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



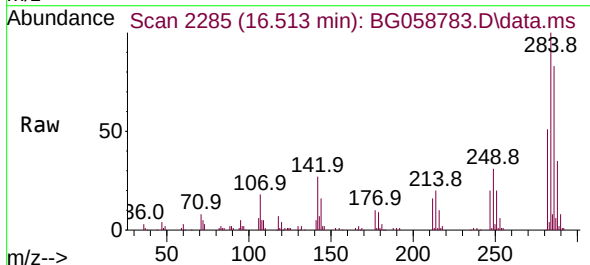
Tgt Ion:248 Resp: 93960  
Ion Ratio Lower Upper  
248 100  
250 99.1 77.7 116.5  
141 64.7 53.6 80.4

Manual Integrations  
APPROVED

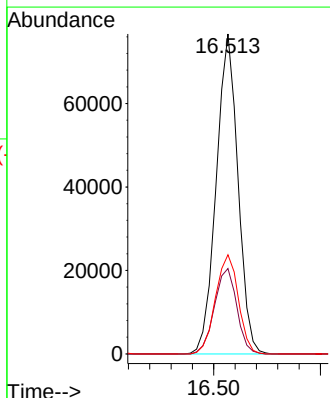
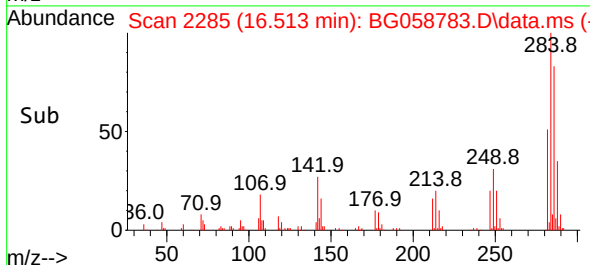
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

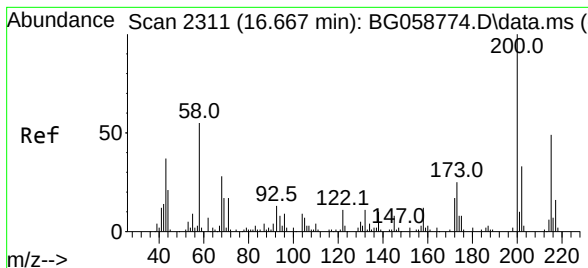


#68  
Hexachlorobenzene  
Concen: 56.184 ng  
RT: 16.513 min Scan# 2285  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:284 Resp: 108379  
Ion Ratio Lower Upper  
284 100  
142 26.7 22.0 33.0  
249 31.0 27.2 40.8





#69

Atrazine

Concen: 65.101 ng

RT: 16.666 min Scan# 2311

Delta R.T. -0.001 min

Lab File: BG058783.D

Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

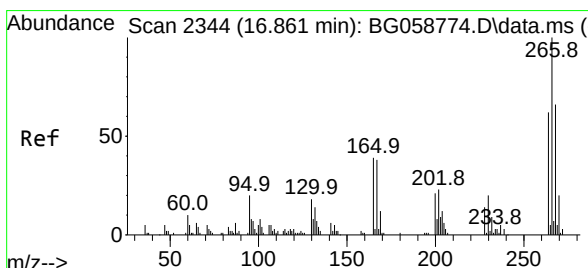
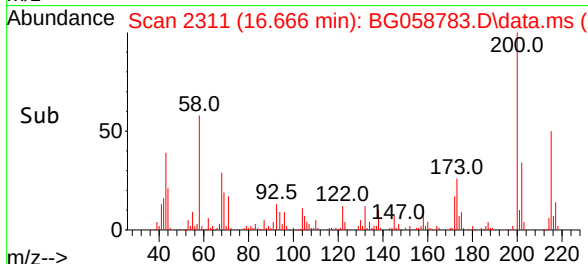
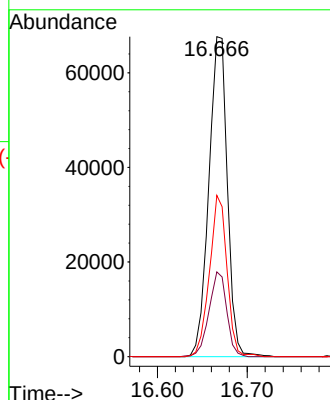
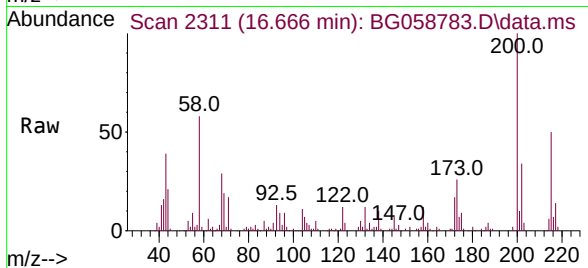
PB154882BS

Tgt Ion:200 Resp: 96987  
 Ion Ratio Lower Upper  
 200 100  
 173 26.5 5.3 45.3  
 215 50.4 29.4 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023



#70

Pentachlorophenol

Concen: 101.360 ng

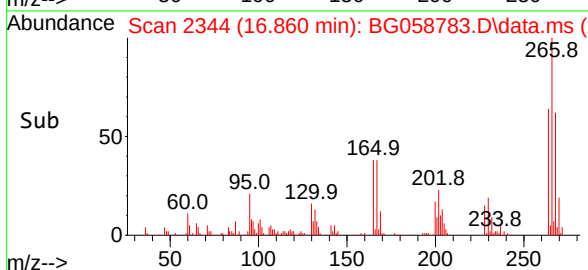
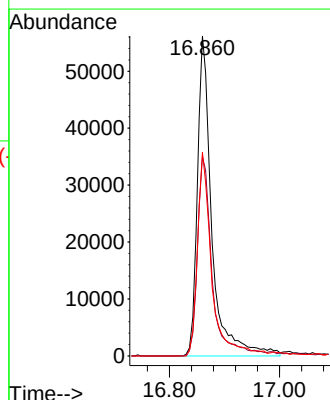
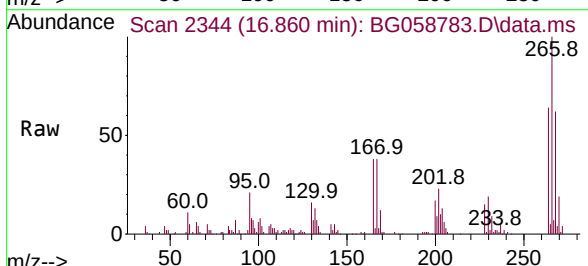
RT: 16.860 min Scan# 2344

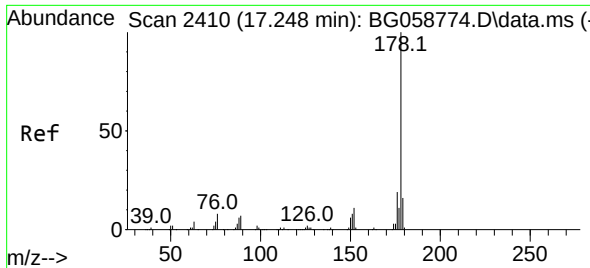
Delta R.T. -0.001 min

Lab File: BG058783.D

Acq: 18 Aug 2023 19:32

Tgt Ion:266 Resp: 102526  
 Ion Ratio Lower Upper  
 266 100  
 268 62.3 52.7 79.1  
 264 63.6 49.5 74.3





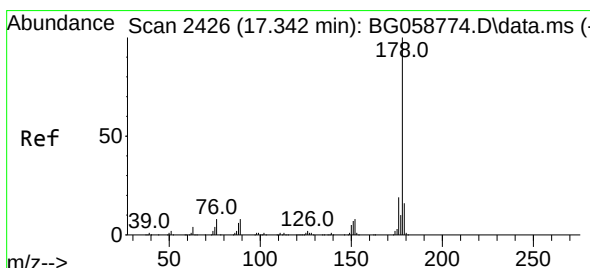
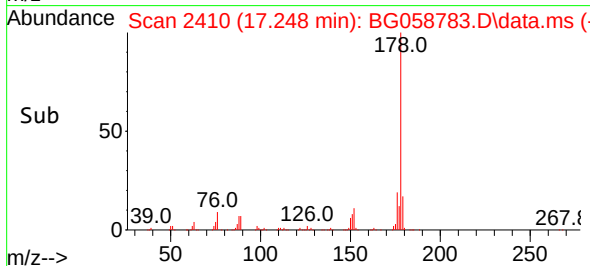
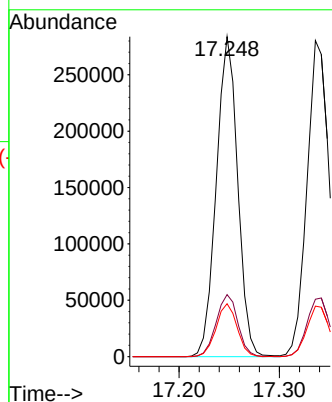
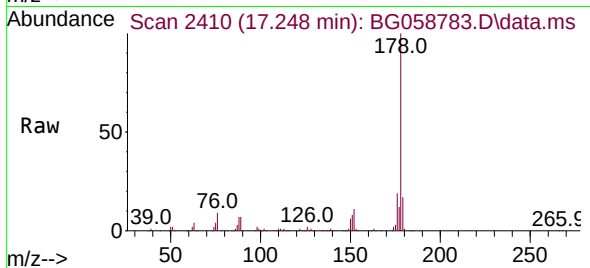
#71  
Phenanthrene  
Concen: 53.693 ng  
RT: 17.248 min Scan# 2410  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS

Tgt Ion:178 Resp: 421007  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 16.5 13.0 19.4

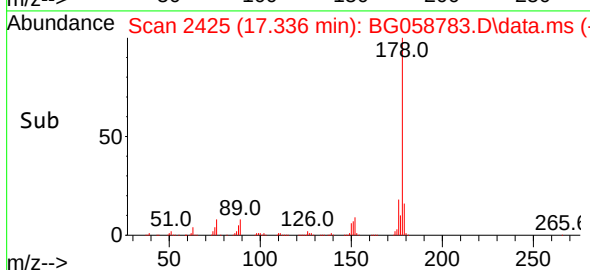
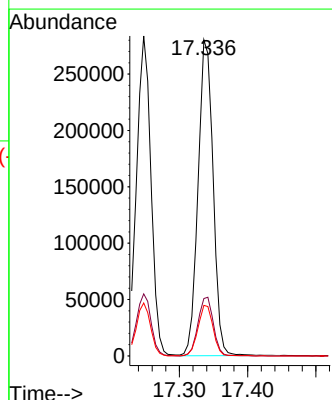
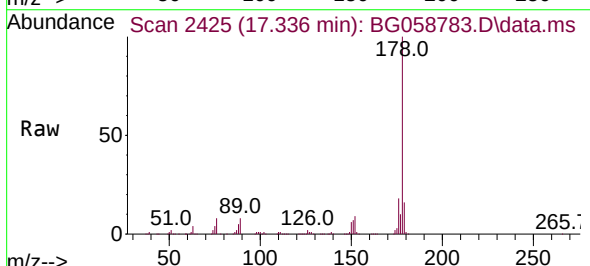
Manual Integrations  
APPROVED

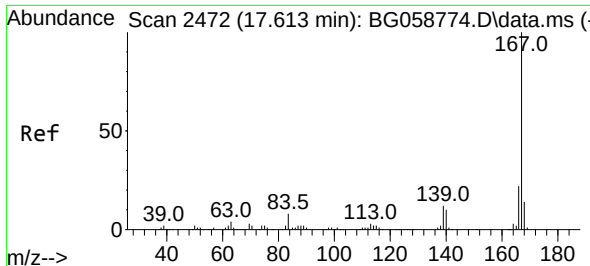
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#72  
Anthracene  
Concen: 54.618 ng  
RT: 17.336 min Scan# 2425  
Delta R.T. -0.006 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:178 Resp: 429521  
Ion Ratio Lower Upper  
178 100  
176 18.1 15.4 23.2  
179 16.0 12.9 19.3





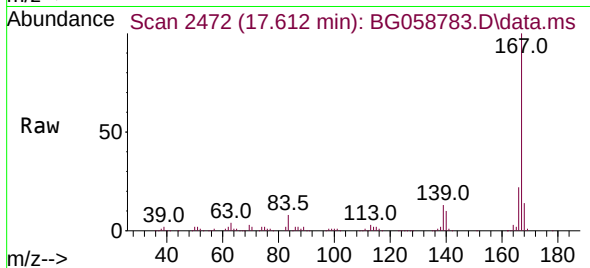
#73  
 Carbazole  
 Concen: 56.118 ng  
 RT: 17.612 min Scan# 2472  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

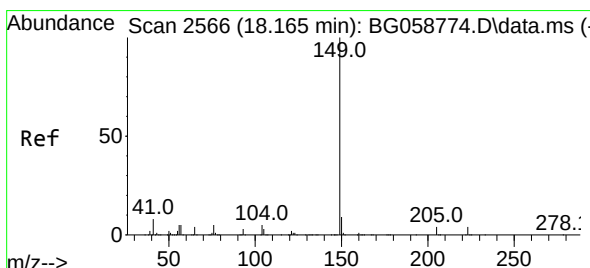
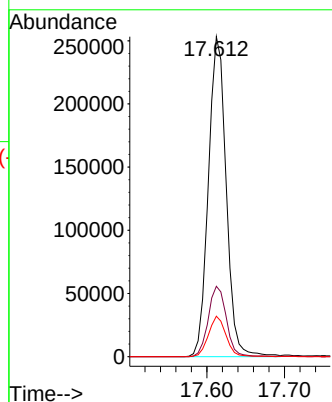
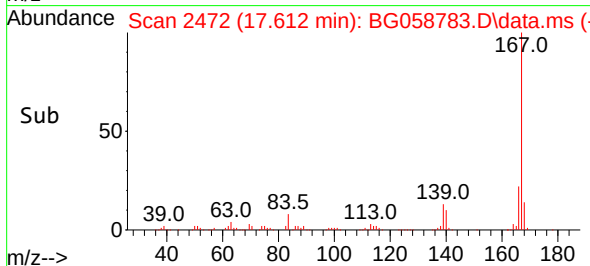


Tgt Ion:167 Resp: 404136  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.4 26.2  
 139 12.6 9.7 14.5

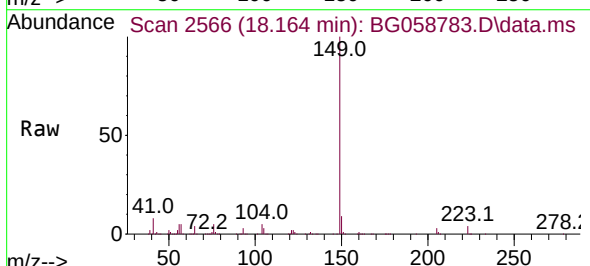
Manual Integrations

APPROVED

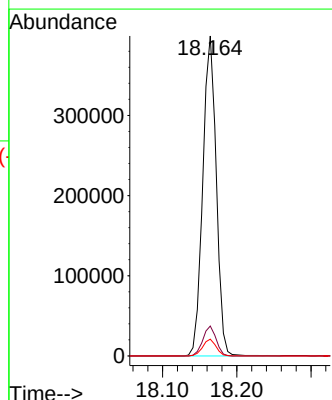
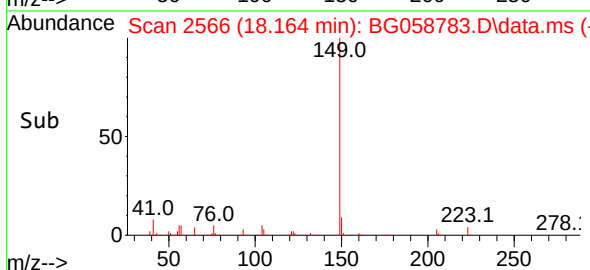
Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023



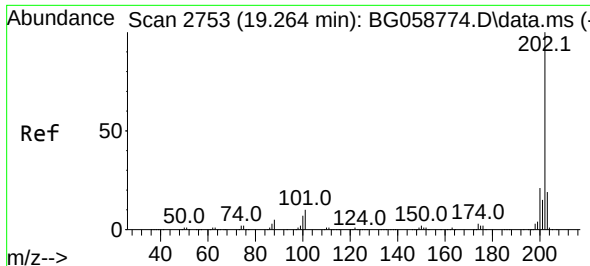
#74  
 Di-n-butylphthalate  
 Concen: 55.389 ng  
 RT: 18.164 min Scan# 2566  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32



Tgt Ion:149 Resp: 503190  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.3 10.9  
 104 5.2 4.3 6.5







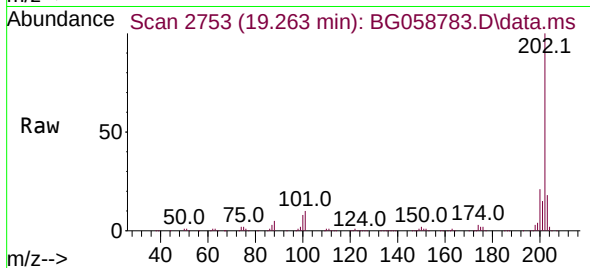
#75  
Fluoranthene  
Concen: 54.251 ng  
RT: 19.263 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

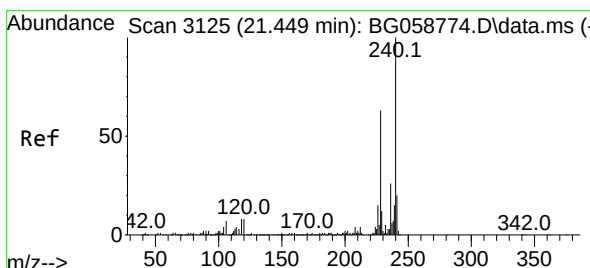
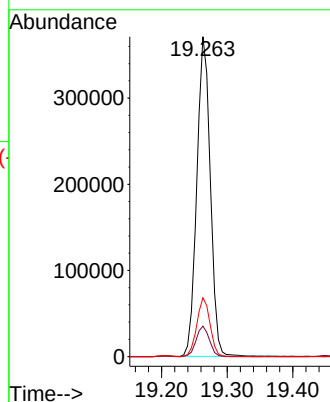
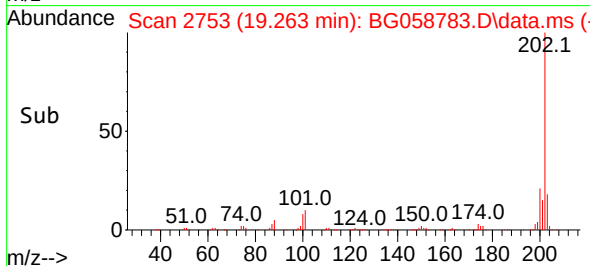


Tgt Ion:202 Resp: 52752  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 29.7  
203 18.4 0.0 38.7

Manual Integrations

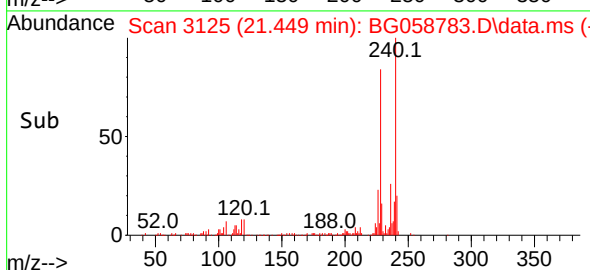
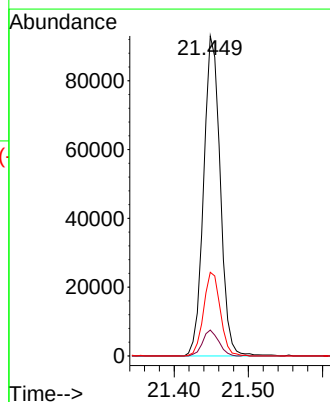
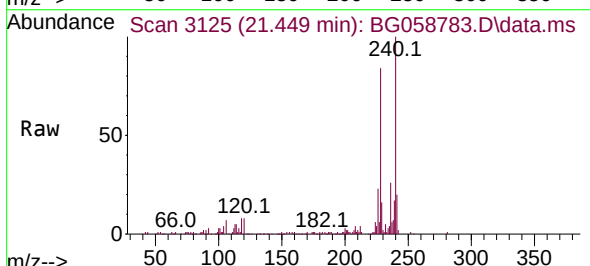
APPROVED

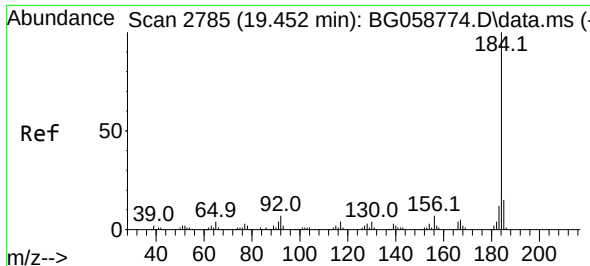
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.449 min Scan# 3125  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Tgt Ion:240 Resp: 144297  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.2 9.2  
236 26.1 20.5 30.7





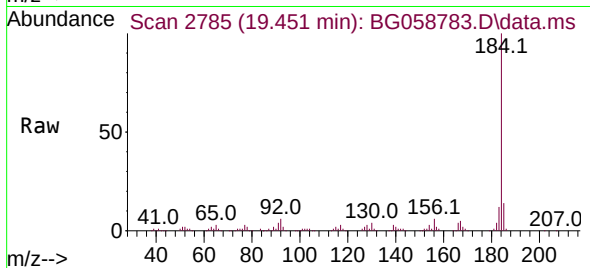
#77  
Benzidine  
Concen: 80.662 ng  
RT: 19.451 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

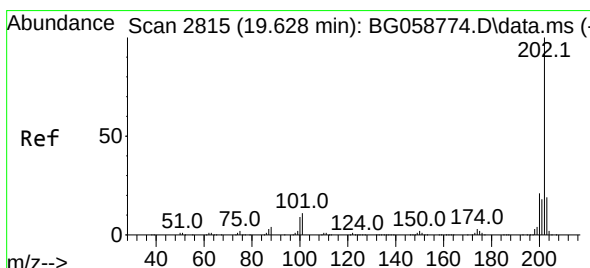
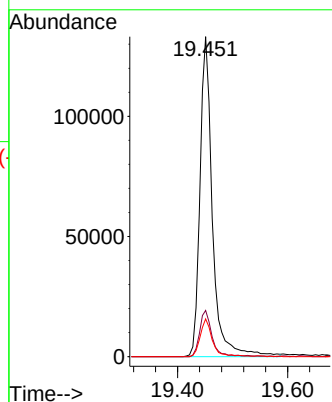
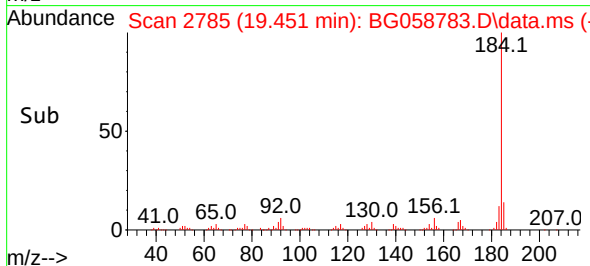


Tgt Ion:184 Resp: 208599  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.9 17.9  
183 11.8 10.0 15.0

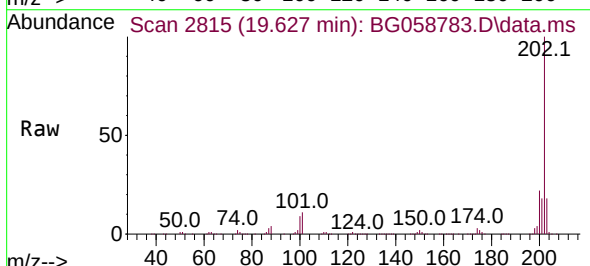
Manual Integrations

APPROVED

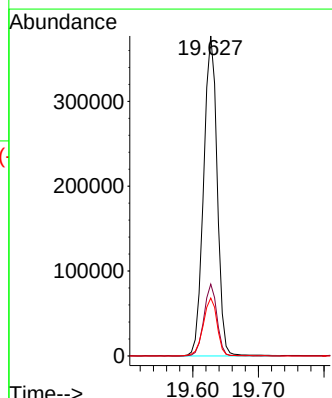
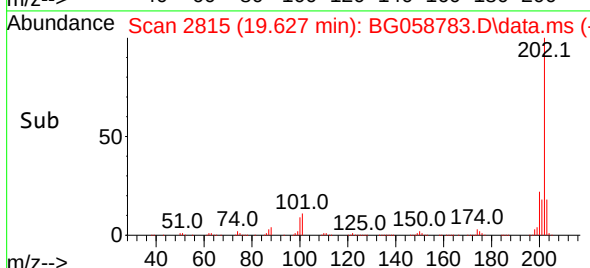
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

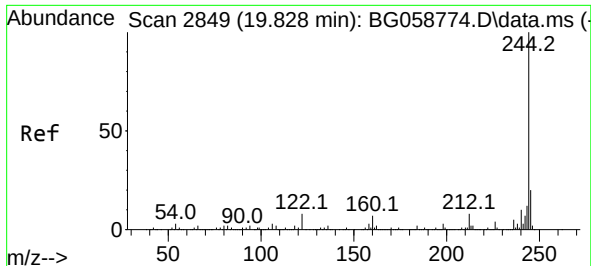


#78  
Pyrene  
Concen: 53.584 ng  
RT: 19.627 min Scan# 2815  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:202 Resp: 538743  
Ion Ratio Lower Upper  
202 100  
200 22.4 16.7 25.1  
203 18.1 15.3 22.9





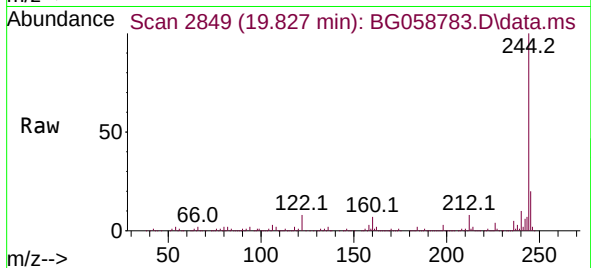
#79  
 Terphenyl-d14  
 Concen: 104.603 ng  
 RT: 19.827 min Scan# 2849  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS

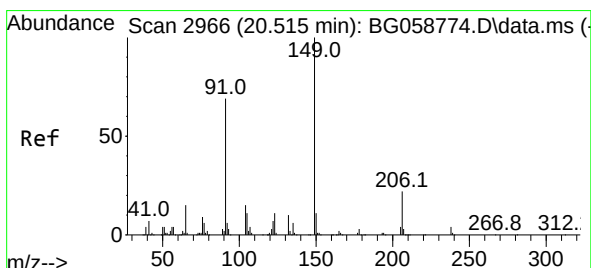
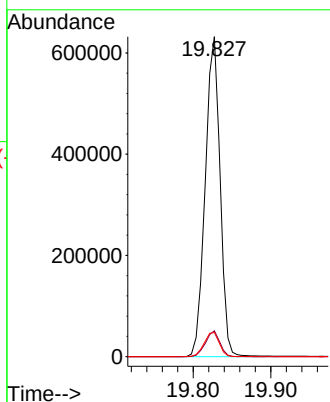
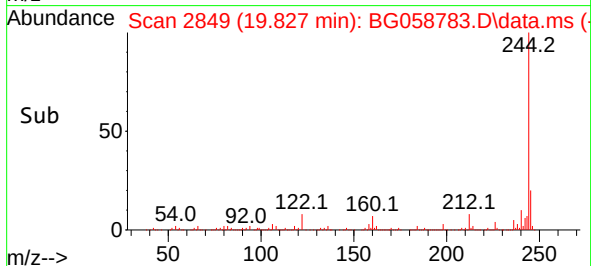


Tgt Ion:244 Resp: 840612  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.2 9.2  
 122 7.5 6.3 9.5

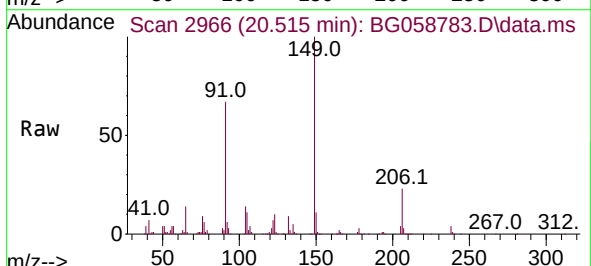
Manual Integrations

APPROVED

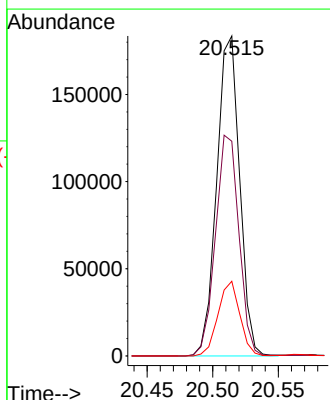
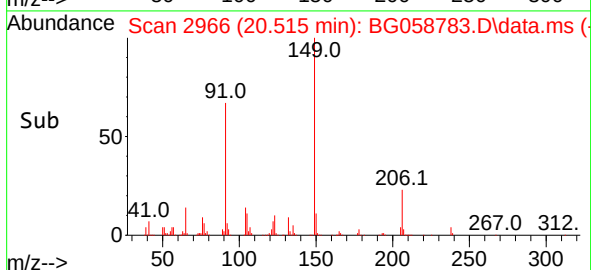
Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023

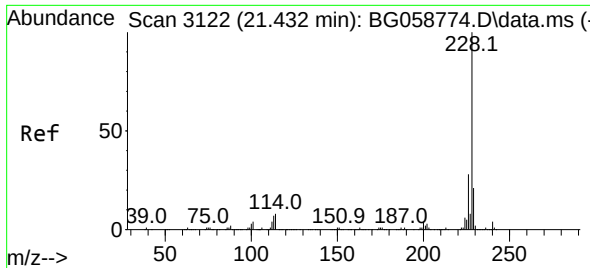


#80  
 Butylbenzylphthalate  
 Concen: 54.828 ng  
 RT: 20.515 min Scan# 2966  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32



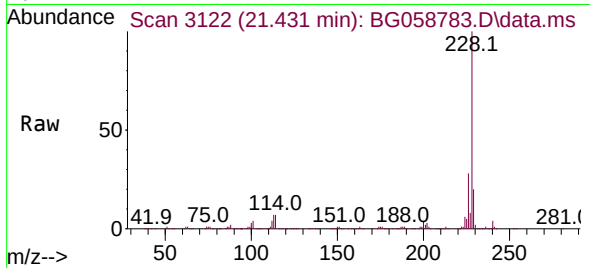
Tgt Ion:149 Resp: 223570  
 Ion Ratio Lower Upper  
 149 100  
 91 67.1 55.0 82.4  
 206 23.3 17.6 26.4





#81  
Benzo(a)anthracene  
Concen: 54.257 ng  
RT: 21.431 min Scan# 3122  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

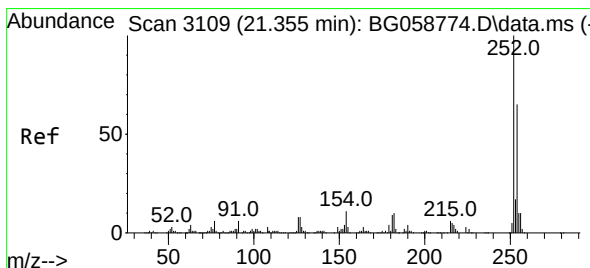
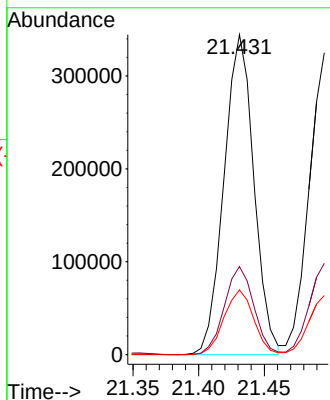
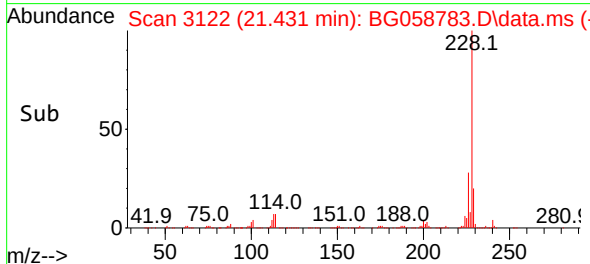
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



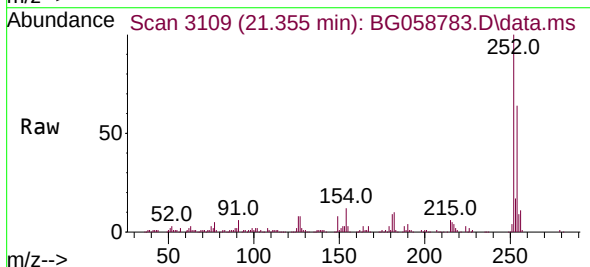
Tgt Ion:228 Resp: 544981  
Ion Ratio Lower Upper  
228 100  
226 27.5 22.6 33.8  
229 20.2 16.8 25.2

Manual Integrations  
APPROVED

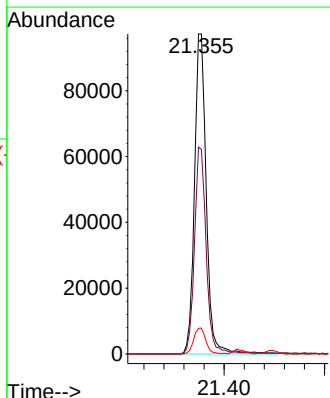
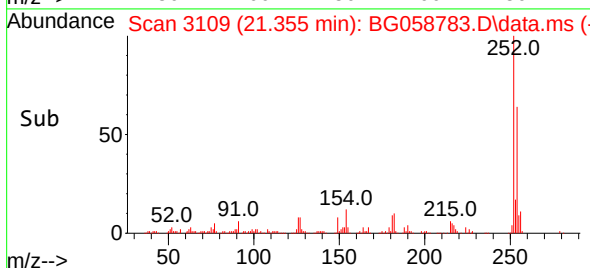
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

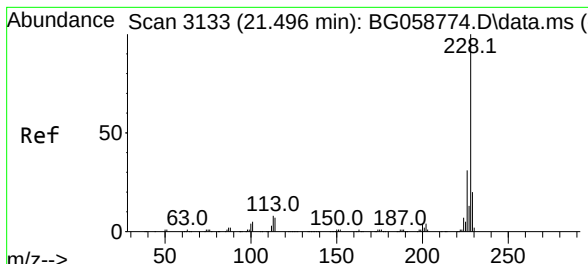


#82  
3,3'-Dichlorobenzidine  
Concen: 45.600 ng  
RT: 21.355 min Scan# 3109  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:252 Resp: 158132  
Ion Ratio Lower Upper  
252 100  
254 63.9 51.8 77.6  
126 8.1 6.6 9.8





#83  
**Chrysene**  
 Concen: 52.500 ng  
 RT: 21.496 min Scan# 3133  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

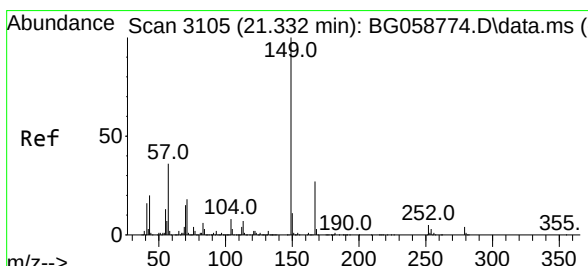
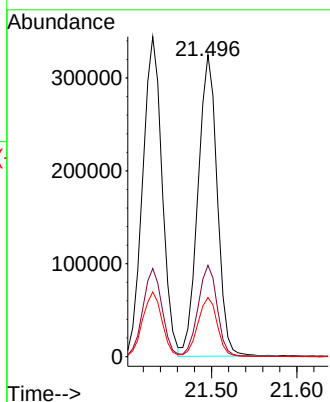
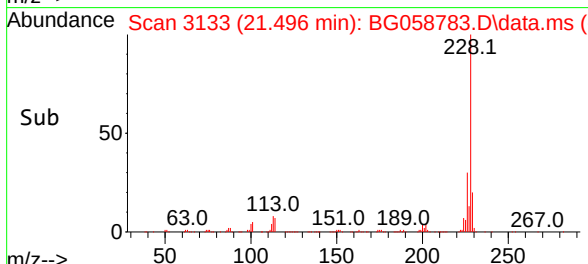
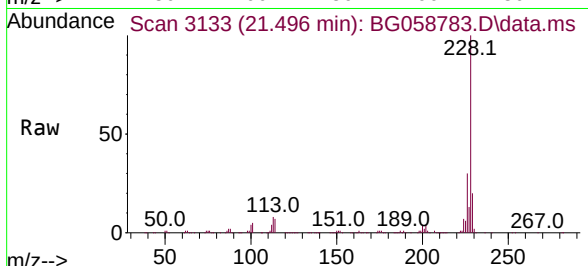
PB154882BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 508283 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.2  | 24.4  | 36.6   |
| 229       | 19.6  | 16.3  | 24.5   |

Manual Integrations

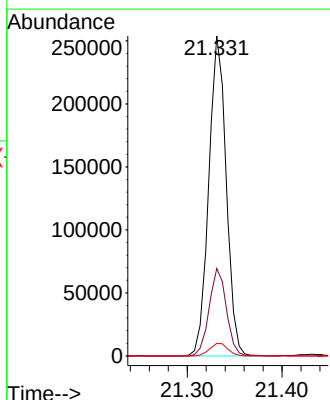
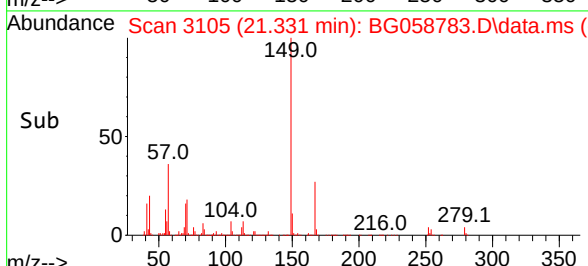
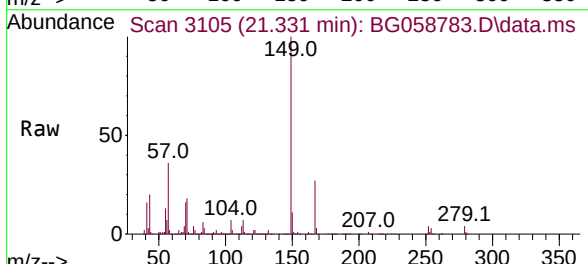
APPROVED

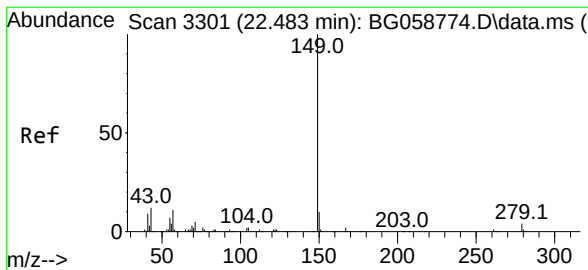
Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023



#84  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 54.221 ng  
 RT: 21.331 min Scan# 3105  
 Delta R.T. -0.001 min  
 Lab File: BG058783.D  
 Acq: 18 Aug 2023 19:32

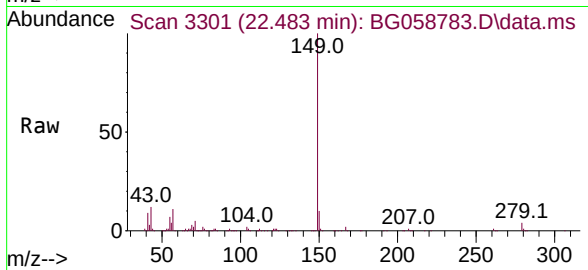
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 324269 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.3  | 21.7  | 32.5   |
| 279       | 3.9   | 3.2   | 4.8    |





#85  
Di-n-octyl phthalate  
Concen: 55.376 ng  
RT: 22.483 min Scan# 3301  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

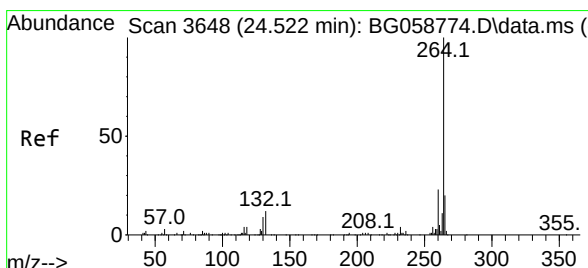
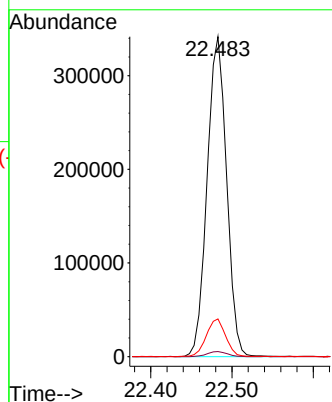
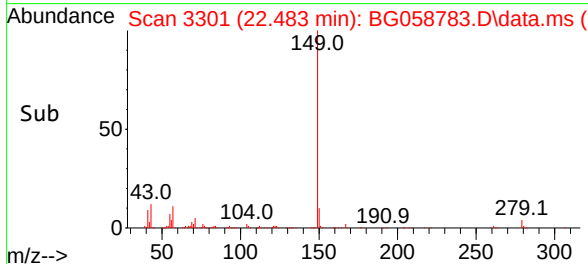
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



Tgt Ion:149 Resp: 569622  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 11.7 9.7 14.5

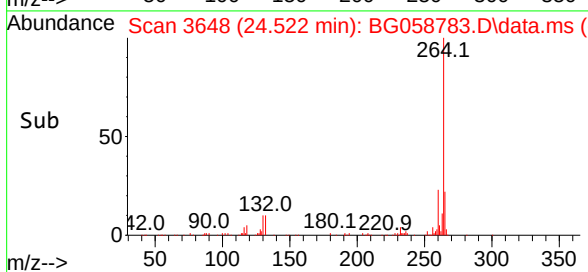
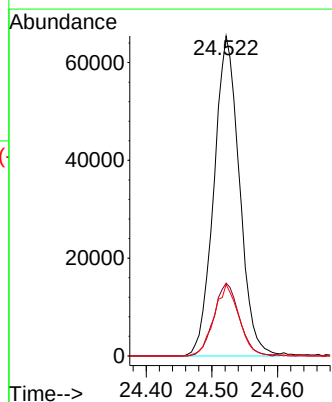
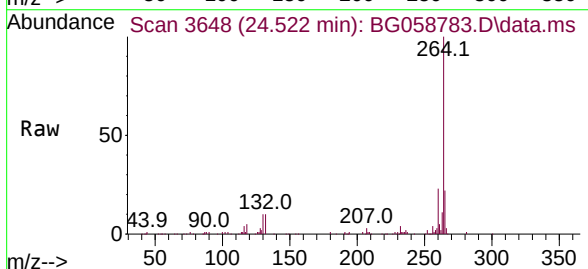
Manual Integrations  
APPROVED

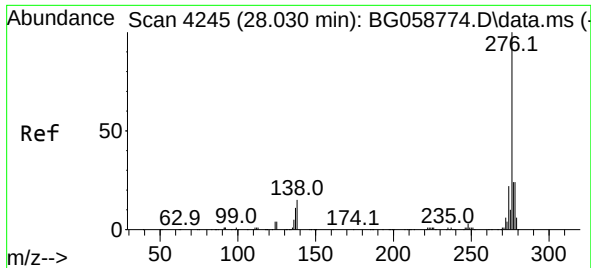
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.522 min Scan# 3648  
Delta R.T. -0.001 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

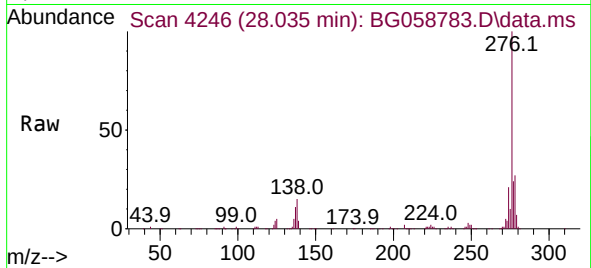
Tgt Ion:264 Resp: 176532  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.2 27.2  
265 22.3 16.4 24.6





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 57.513 ng  
RT: 28.035 min Scan# 4245  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

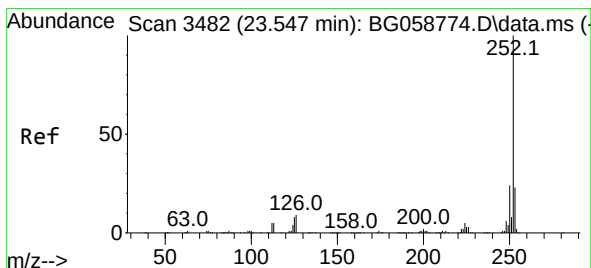
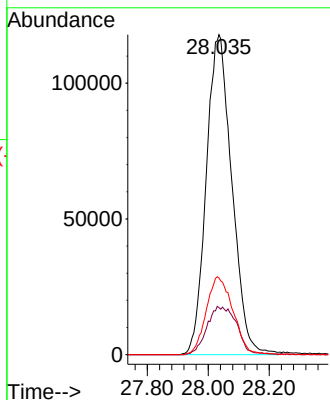
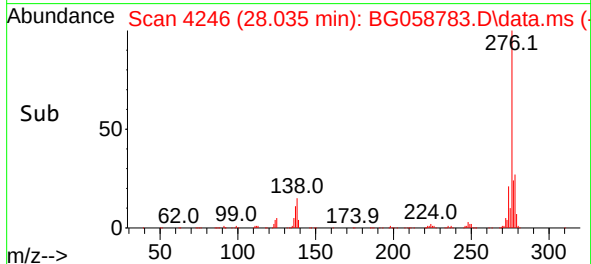
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



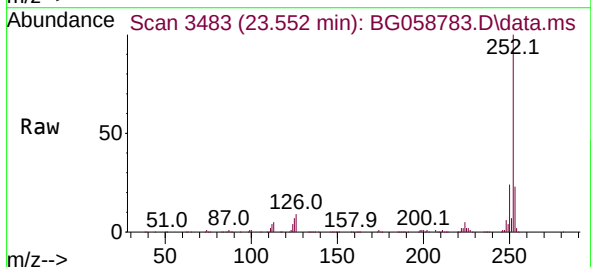
Tgt Ion:276 Resp: 686917  
Ion Ratio Lower Upper  
276 100  
138 17.5 6.2 9.2  
277 25.5 20.4 30.6

Manual Integrations  
APPROVED

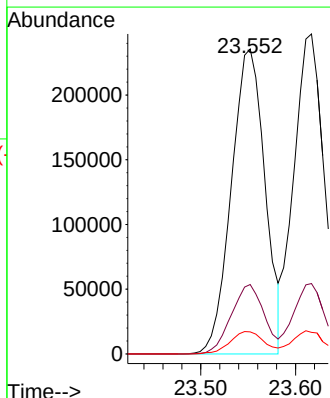
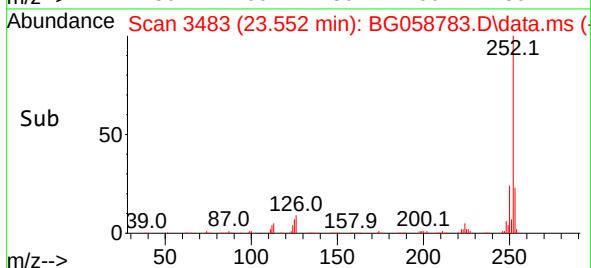
Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023

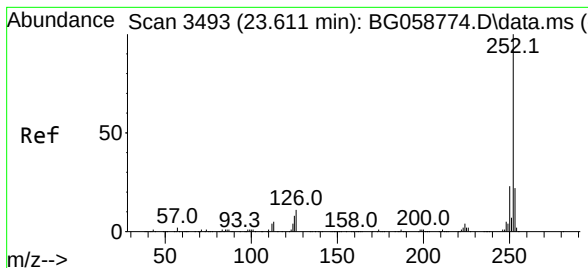


#88  
Benzo(b)fluoranthene  
Concen: 59.291 ng  
RT: 23.552 min Scan# 3483  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:252 Resp: 580750  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.4 27.6  
125 7.2 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 54.911 ng

RT: 23.617 min Scan# 3494

Delta R.T. 0.005 min

Lab File: BG058783.D

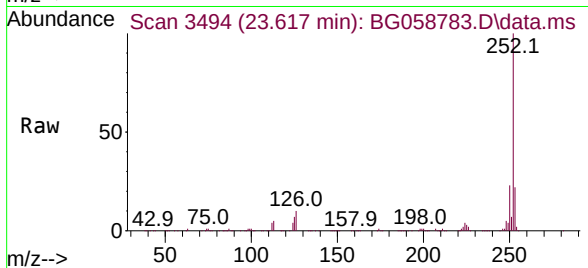
Acq: 18 Aug 2023 19:32

Instrument :

BNA\_G

ClientSampleId :

PB154882BS



Tgt Ion:252 Resp: 554678

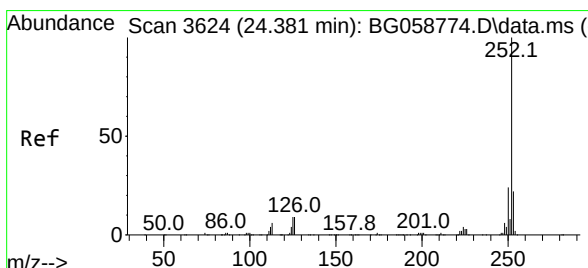
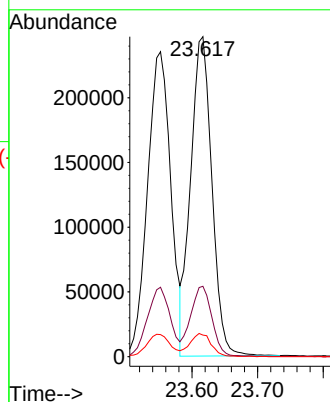
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 17.6  | 26.4  |
| 125 | 6.7   | 6.3   | 9.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#90

Benzo(a)pyrene

Concen: 53.336 ng

RT: 24.386 min Scan# 3625

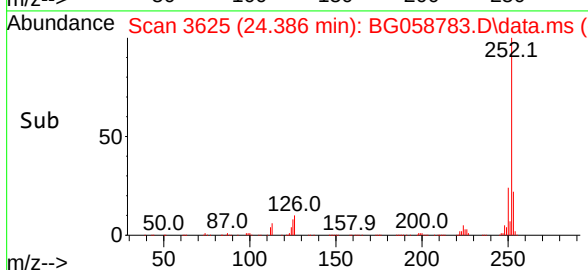
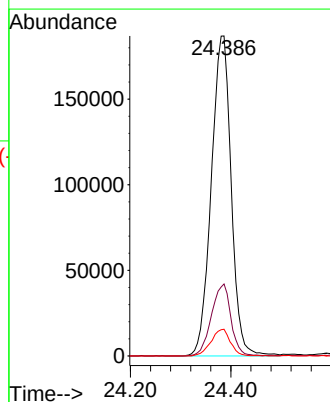
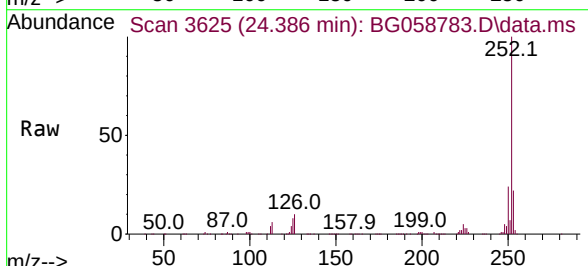
Delta R.T. 0.005 min

Lab File: BG058783.D

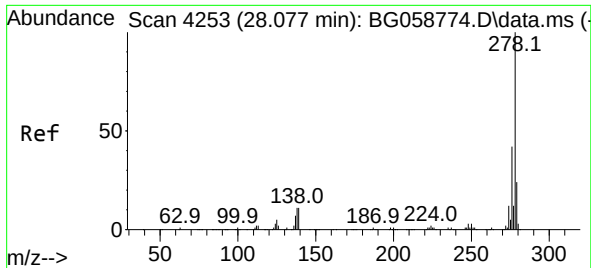
Acq: 18 Aug 2023 19:32

Tgt Ion:252 Resp: 514402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 17.5  | 26.3  |
| 125 | 8.3   | 6.8   | 10.2  |

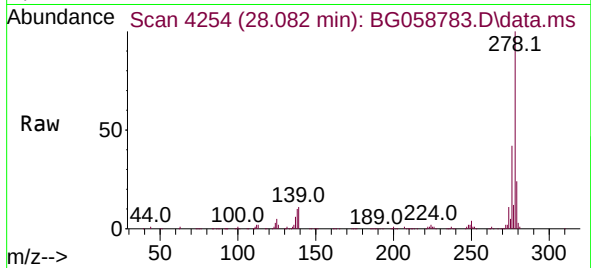






#91  
Dibenzo(a,h)anthracene  
Concen: 58.243 ng  
RT: 28.082 min Scan# 41  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32

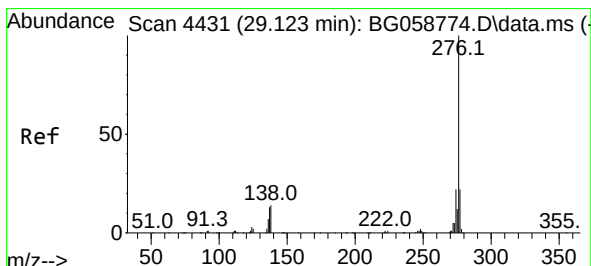
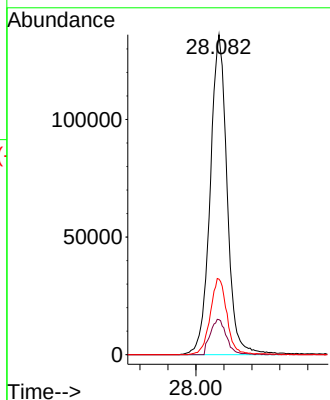
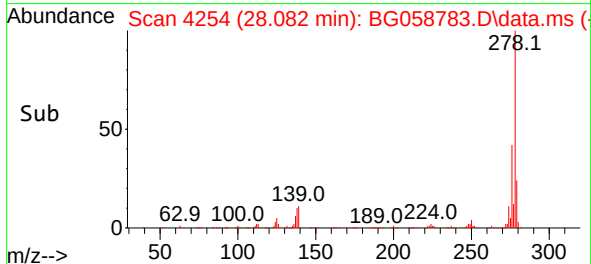
Instrument :  
BNA\_G  
ClientSampleId :  
PB154882BS



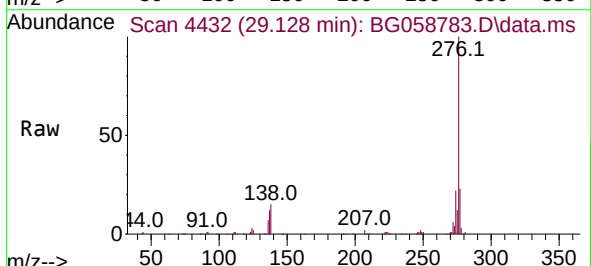
Tgt Ion:278 Resp: 571613  
Ion Ratio Lower Upper  
278 100  
139 10.9 8.9 13.3  
279 23.6 19.0 28.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/22/2023  
Supervised By :mohammad ahmed 08/22/2023



#92  
Benzo(g,h,i)perylene  
Concen: 57.086 ng  
RT: 29.128 min Scan# 4432  
Delta R.T. 0.005 min  
Lab File: BG058783.D  
Acq: 18 Aug 2023 19:32



Tgt Ion:276 Resp: 560149  
Ion Ratio Lower Upper  
276 100  
277 23.4 17.8 26.6  
138 15.0 11.1 16.7

