

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041224\  
 Data File : BG060883.D  
 Acq On : 12 Apr 2024 21:06  
 Operator : MA/JU  
 Sample : P2090-01MSD 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-04112024MSD

Quant Time: Apr 12 22:44:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/17/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 66079    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.749 | 136  | 253243   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.580 | 164  | 183369   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.329 | 188  | 408754   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.601 | 240  | 368815   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.744 | 264  | 352809   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.537  | 112  | 163432   | 41.202 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.118  | 99   | 221364   | 37.596 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.104  | 82   | 153285   | 34.539 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.072 | 330  | 120164   | 57.729 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.205 | 172  | 362575   | 29.019 | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.950 | 244  | 610129   | 29.129 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.463  | 88   | 27663    | 17.010 | ng    | 93       |
| 3) Pyridine                   | 3.851  | 79   | 72183    | 14.715 | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.763  | 42   | 58666    | 20.007 | ng    | 96       |
| 6) Aniline                    | 7.276  | 93   | 68260    | 9.180  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.517  | 128  | 96510    | 21.461 | ng    | 98       |
| 9) Benzaldehyde               | 7.088  | 77   | 8672m    | 2.671  | ng    |          |
| 10) Phenol                    | 7.147  | 94   | 115615   | 19.240 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.376  | 93   | 83467    | 17.204 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.846  | 146  | 102071   | 21.827 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.987  | 146  | 104944   | 21.996 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.305  | 146  | 102618   | 21.948 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.187  | 79   | 90287    | 18.930 | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 219143   | 20.015 | ng    | 99       |
| 17) 2-Methylphenol            | 8.393  | 107  | 80251    | 17.691 | ng    | 97       |
| 18) Hexachloroethane          | 9.033  | 117  | 36254    | 21.396 | ng    | # 79     |
| 19) n-Nitroso-di-n-propyla... | 8.751  | 70   | 76460    | 17.028 | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.716  | 107  | 112587   | 18.125 | ng    | 97       |
| 22) Acetophenone              | 8.769  | 105  | 150158   | 21.504 | ng    | # 98     |
| 24) Nitrobenzene              | 9.151  | 77   | 110663   | 23.880 | ng    | 98       |
| 25) Isophorone                | 9.674  | 82   | 204976   | 20.052 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.862  | 139  | 48617    | 30.855 | ng    | # 89     |
| 27) 2,4-Dimethylphenol        | 9.920  | 122  | 70558    | 17.183 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.155 | 93   | 115208   | 19.090 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.396 | 162  | 90840    | 24.091 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.614 | 180  | 107504   | 25.178 | ng    | 98       |
| 31) Naphthalene               | 10.802 | 128  | 319982   | 23.358 | ng    | 99       |
| 32) Benzoic acid              | 10.038 | 122  | 58524m   | 25.207 | ng    |          |
| 33) 4-Chloroaniline           | 10.901 | 127  | 79952    | 12.566 | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.089 | 225  | 77568    | 27.259 | ng    | 99       |
| 35) Caprolactam               | 11.665 | 113  | 27514    | 18.423 | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 12.030 | 107  | 104728   | 21.742 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.406 | 142  | 229740   | 22.811 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.629 | 142  | 215903   | 22.692 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.776 | 216  | 138739   | 26.318 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.758 | 237  | 27735    | 10.347 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.011 | 196  | 90447    | 26.645 | ng    | 91       |

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 QLast Update : Sat Mar 30 03:12:26 2024  
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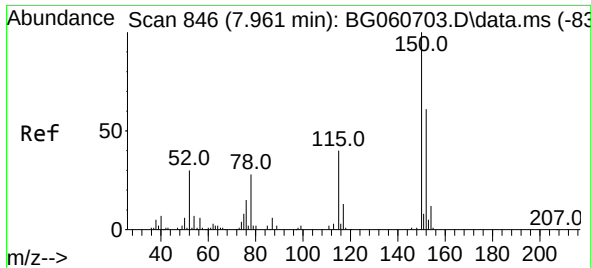
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/17/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.087 | 196  | 95554    | 23.588 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.416 | 154  | 289512   | 22.353 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.457 | 162  | 223656   | 22.728 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.651 | 65   | 81064    | 27.945 | ng    | 98       |
| 49) Acenaphthylene            | 14.303 | 152  | 397339   | 24.031 | ng    | 99       |
| 50) Dimethylphthalate         | 14.039 | 163  | 292738   | 20.198 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.151 | 165  | 59538    | 24.767 | ng    | 96       |
| 52) Acenaphthene              | 14.644 | 154  | 243477   | 23.453 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.480 | 138  | 55956    | 21.340 | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 14.685 | 184  | 10109    | 10.020 | ng    | 93       |
| 55) Dibenzofuran              | 14.979 | 168  | 392097   | 23.945 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.797 | 139  | 102063   | 48.170 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.944 | 165  | 83837    | 26.944 | ng    | # 92     |
| 58) Fluorene                  | 15.631 | 166  | 383055   | 29.147 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.208 | 232  | 90527    | 25.643 | ng    | # 96     |
| 60) Diethylphthalate          | 15.408 | 149  | 287617   | 19.725 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.625 | 204  | 152761   | 21.971 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.643 | 138  | 65281    | 24.635 | ng    | 98       |
| 63) Azobenzene                | 15.919 | 77   | 277354   | 19.519 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 15.708 | 198  | 9053     | 11.614 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.837 | 169  | 260165   | 22.273 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.524 | 248  | 102595   | 24.732 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.636 | 284  | 117705   | 25.135 | ng    | 98       |
| 69) Atrazine                  | 16.795 | 200  | 96986    | 23.744 | ng    | 96       |
| 70) Pentachlorophenol         | 16.983 | 266  | 155194   | 50.790 | ng    | 99       |
| 71) Phenanthrene              | 17.376 | 178  | 1638196  | 77.061 | ng    | 99       |
| 72) Anthracene                | 17.464 | 178  | 639943   | 29.642 | ng    | 99       |
| 73) Carbazole                 | 17.729 | 167  | 471284   | 24.759 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.305 | 149  | 492455   | 20.751 | ng    | 99       |
| 75) Fluoranthene              | 19.392 | 202  | 2146217  | 83.200 | ng    | 96       |
| 77) Benzidine                 | 19.568 | 184  | 54550    | 5.617  | ng    | 97       |
| 78) Pyrene                    | 19.756 | 202  | 2036995  | 78.971 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.649 | 149  | 216453   | 23.004 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.583 | 228  | 1275298  | 49.055 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.495 | 252  | 156591   | 17.839 | ng    | 100      |
| 83) Chrysene                  | 21.648 | 228  | 1316664m | 52.545 | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 21.513 | 149  | 979852   | 65.335 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 22.705 | 149  | 550011   | 22.512 | ng    | # 99     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.322 | 276  | 626998m  | 25.236 | ng    |          |
| 88) Benzo(b)fluoranthene      | 23.757 | 252  | 1104903  | 54.513 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.816 | 252  | 906661m  | 43.703 | ng    |          |
| 90) Benzo(a)pyrene            | 24.603 | 252  | 900473m  | 45.716 | ng    |          |
| 91) Dibenzo(a,h)anthracene    | 28.381 | 278  | 394262m  | 18.825 | ng    |          |
| 92) Benzo(g,h,i)perylene      | 29.427 | 276  | 419861m  | 20.608 | ng    |          |

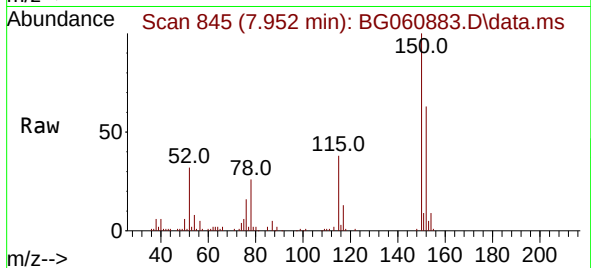
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.952 min Scan# 846  
 Delta R.T. -0.009 min  
 Lab File: BG060883.D  
 Acq: 12 Apr 2024 21:06

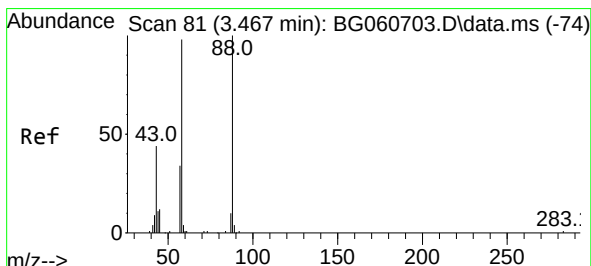
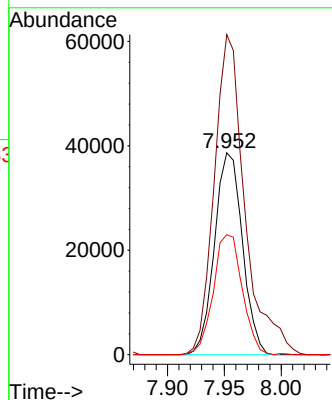
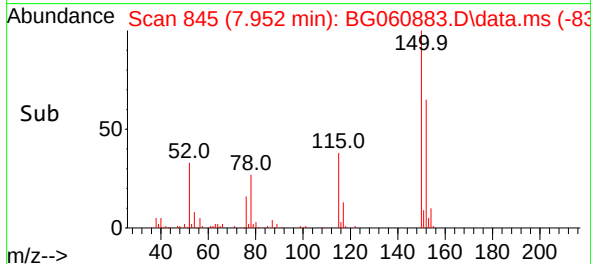
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-04112024MSD



Tgt Ion: 152 Resp: 66079  
 Ion Ratio Lower Upper  
 152 100  
 150 158.4 130.2 195.4  
 115 59.4 51.6 77.4

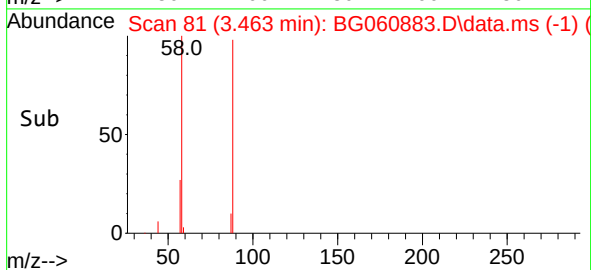
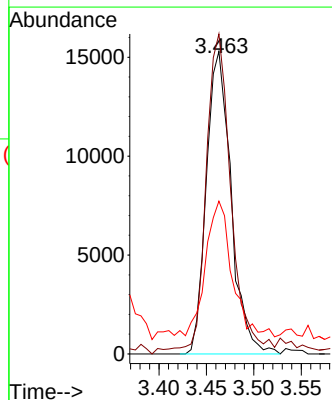
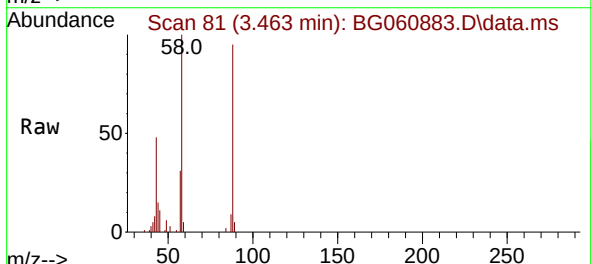
Manual Integrations  
 APPROVED

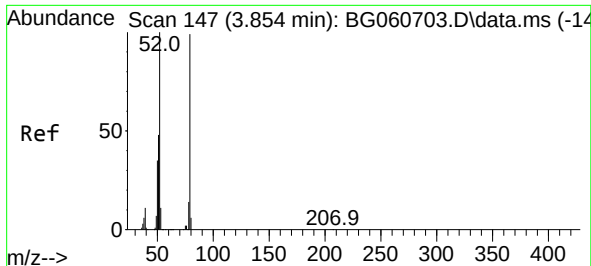
Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/17/2024



#2  
 1,4-Dioxane  
 Concen: 17.010 ng  
 RT: 3.463 min Scan# 81  
 Delta R.T. -0.004 min  
 Lab File: BG060883.D  
 Acq: 12 Apr 2024 21:06

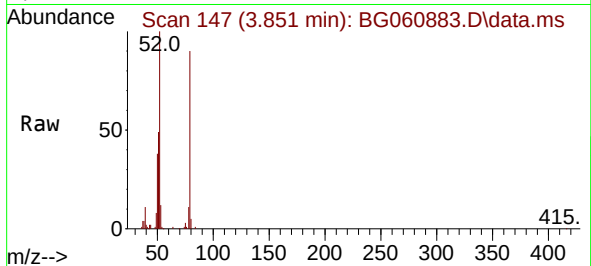
Tgt Ion: 88 Resp: 27663  
 Ion Ratio Lower Upper  
 88 100  
 58 108.3 80.9 121.3  
 43 48.9 35.4 53.0





#3  
Pyridine  
Concen: 14.715 ng  
RT: 3.851 min Scan# 147  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

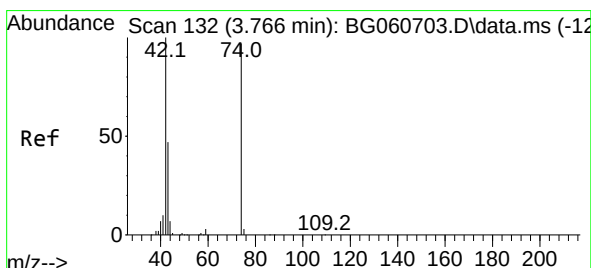
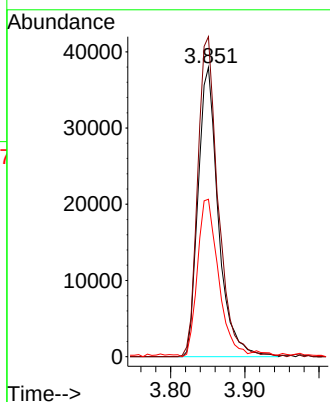
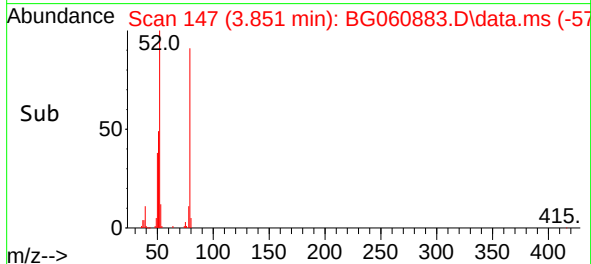
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



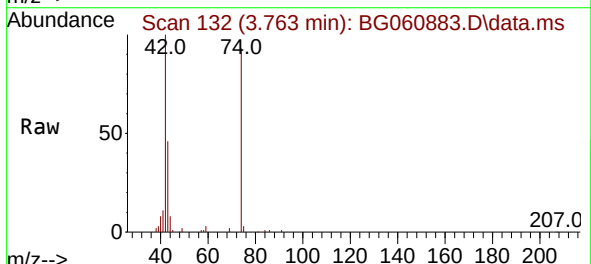
Tgt Ion: 79 Resp: 7218  
Ion Ratio Lower Upper  
79 100  
52 110.6 80.6 120.8  
51 54.4 39.1 58.7

Manual Integrations  
APPROVED

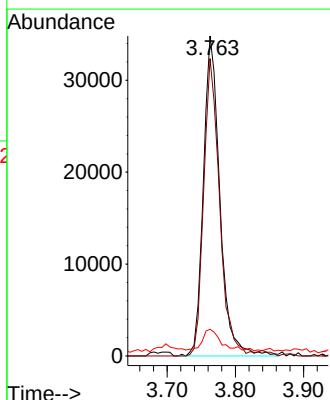
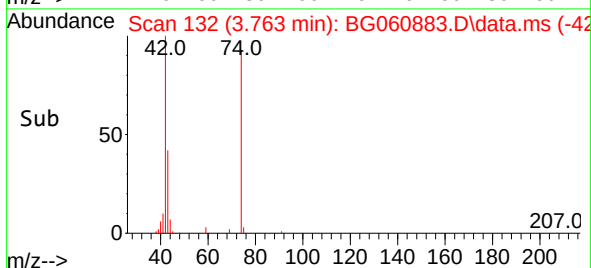
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

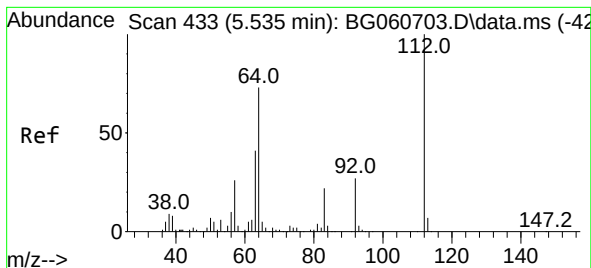


#4  
n-Nitrosodimethylamine  
Concen: 20.007 ng  
RT: 3.763 min Scan# 132  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06



Tgt Ion: 42 Resp: 58666  
Ion Ratio Lower Upper  
42 100  
74 92.9 77.8 116.8  
44 8.3 6.8 10.2





#5

2-Fluorophenol

Concen: 41.202 ng

RT: 5.537 min Scan# 41

Delta R.T. 0.002 min

Lab File: BG060883.D

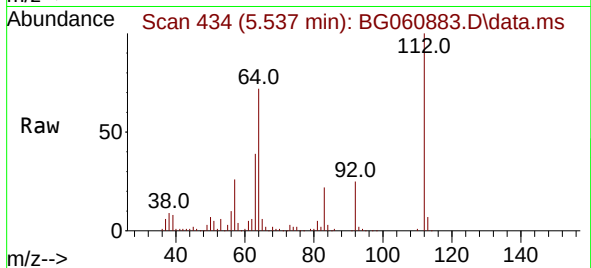
Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD



Tgt Ion:112 Resp: 16343

Ion Ratio Lower Upper

112 100

64 71.8 58.4 87.6

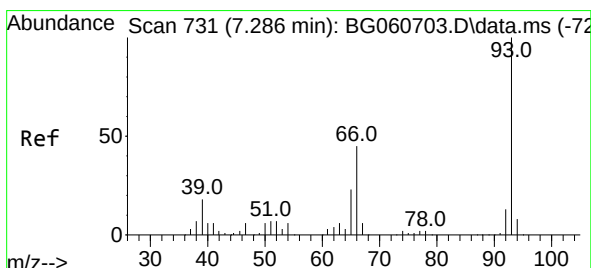
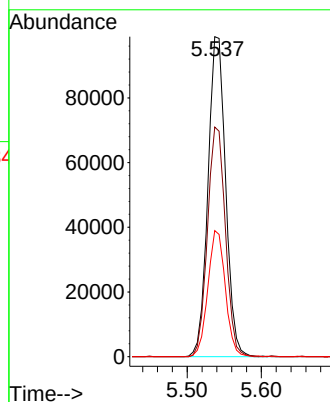
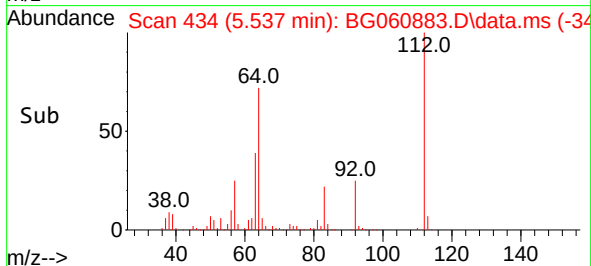
63 39.4 32.7 49.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#6

Aniline

Concen: 9.180 ng

RT: 7.276 min Scan# 730

Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

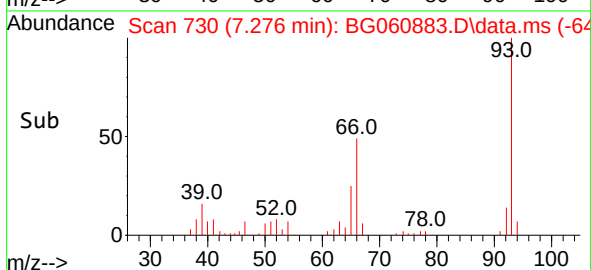
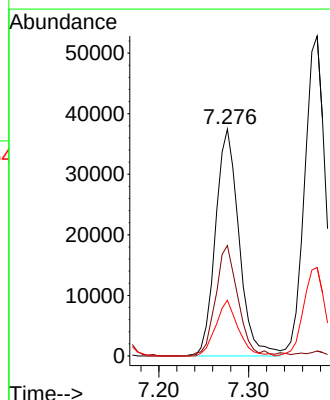
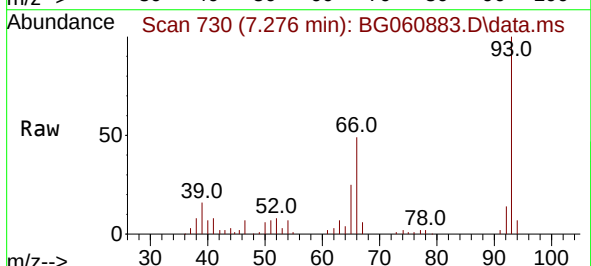
Tgt Ion: 93 Resp: 68260

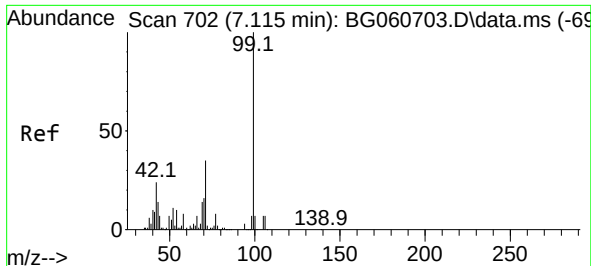
Ion Ratio Lower Upper

93 100

66 48.7 36.1 54.1

65 24.5 18.1 27.1





#7

Phenol-d6

Concen: 37.596 ng

RT: 7.118 min Scan# 702

Delta R.T. 0.002 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion: 99 Resp: 221364

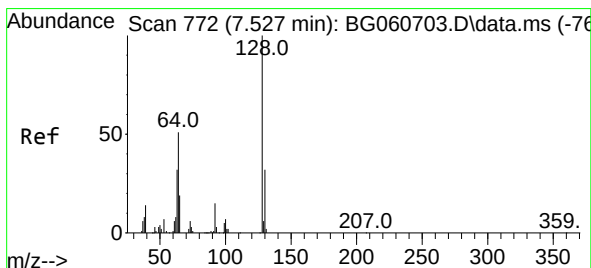
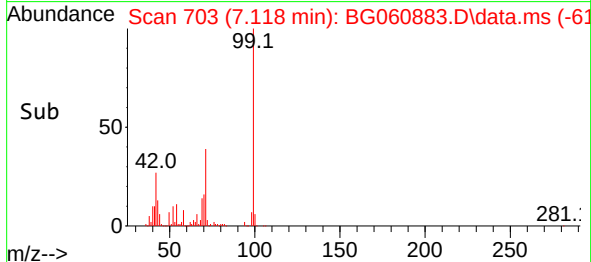
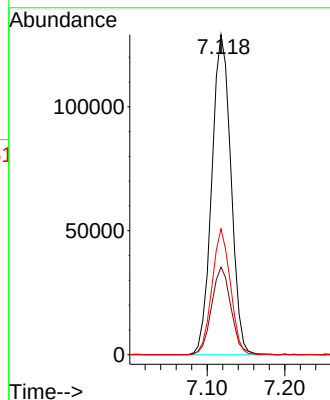
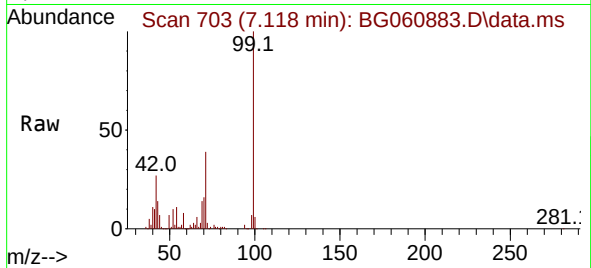
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 27.4  | 19.4  | 29.2  |
| 71  | 39.3  | 28.2  | 42.2  |

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 04/17/2024



#8

2-Chlorophenol

Concen: 21.461 ng

RT: 7.517 min Scan# 771

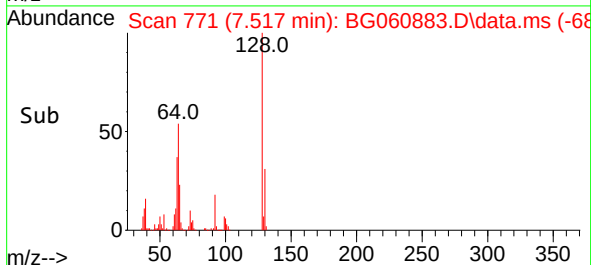
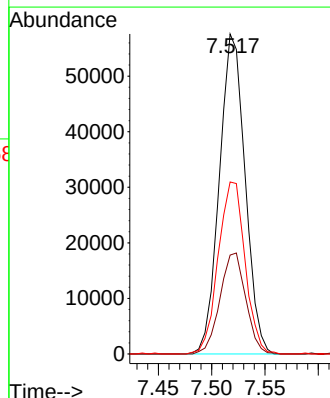
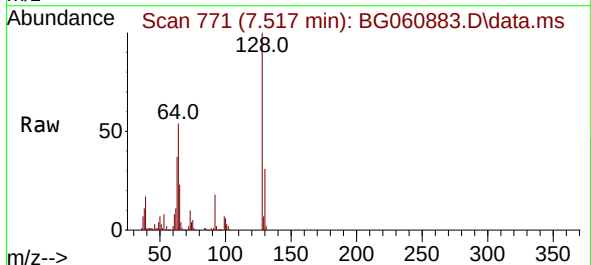
Delta R.T. -0.009 min

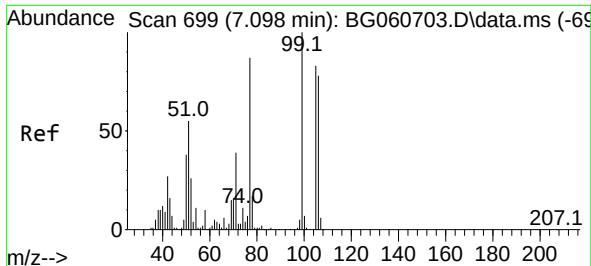
Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:128 Resp: 96510

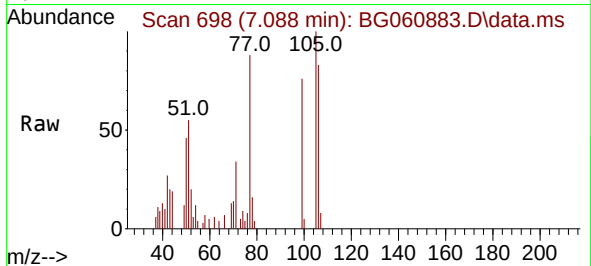
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 30.9  | 12.3  | 52.3  |
| 64  | 53.8  | 35.0  | 75.0  |





#9  
Benzaldehyde  
Concen: 2.671 ng m  
RT: 7.088 min Scan# 699  
Delta R.T. -0.010 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

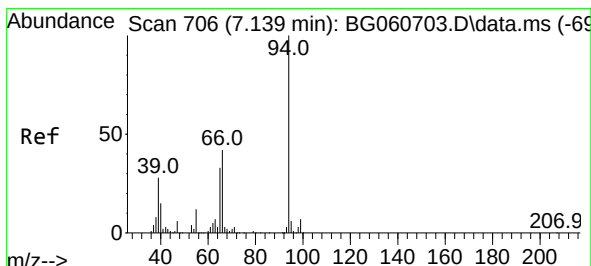
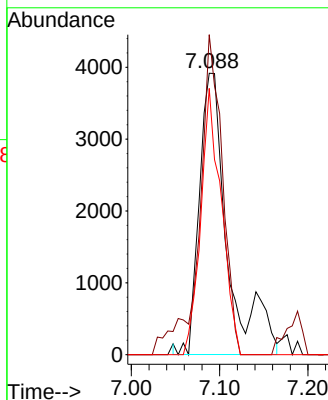
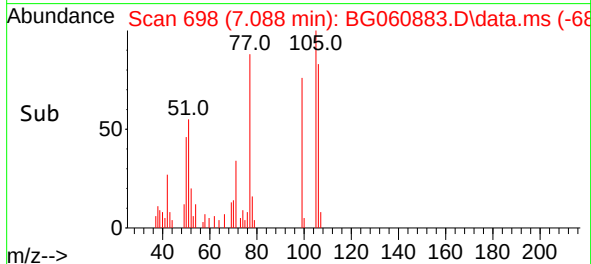
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion: 77 Resp: 8672  
Ion Ratio Lower Upper  
77 100  
105 113.7 76.0 116.0  
106 94.6 70.3 110.3

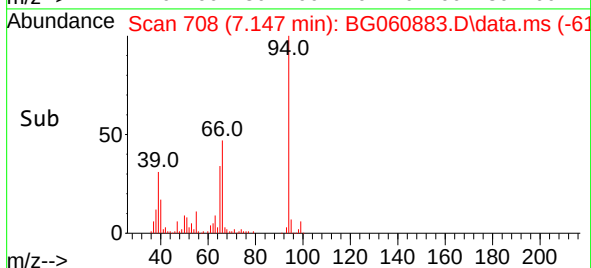
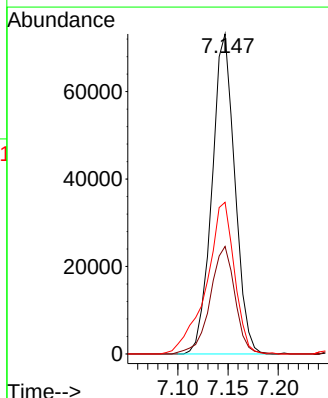
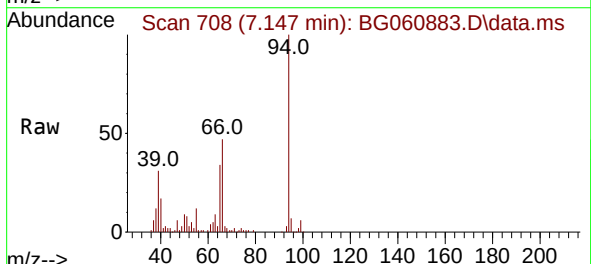
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

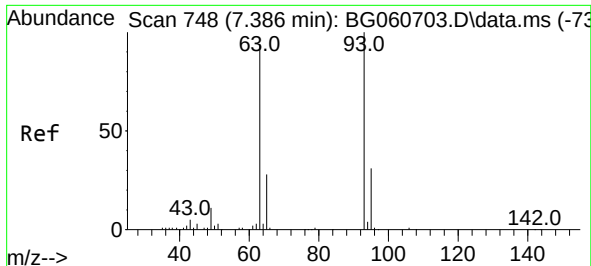


#10  
Phenol  
Concen: 19.240 ng  
RT: 7.147 min Scan# 708  
Delta R.T. 0.008 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion: 94 Resp: 115615  
Ion Ratio Lower Upper  
94 100  
65 33.6 13.3 53.3  
66 47.4 22.9 62.9

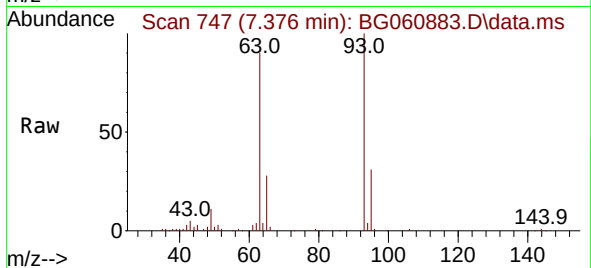






#11  
bis(2-Chloroethyl)ether  
Concen: 17.204 ng  
RT: 7.376 min Scan# 748  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

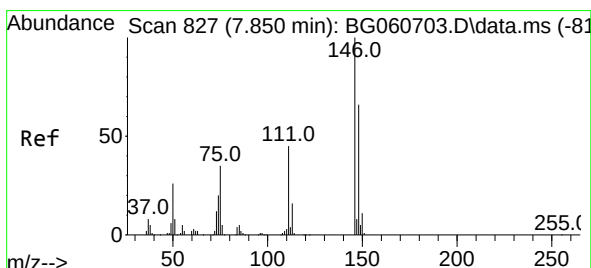
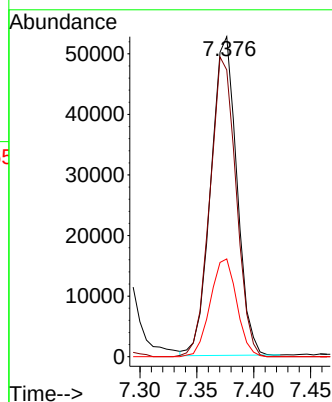
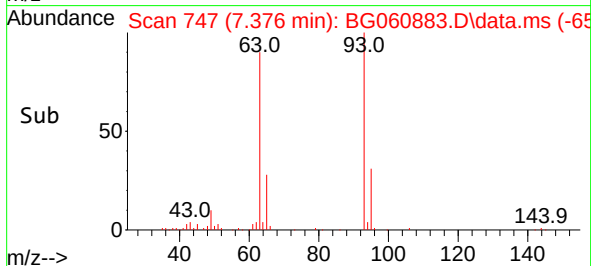
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



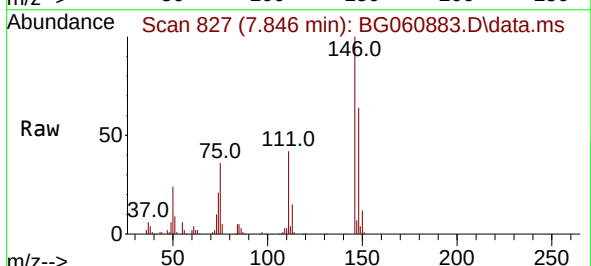
Tgt Ion: 93 Resp: 8346  
Ion Ratio Lower Upper  
93 100  
63 89.6 73.7 113.7  
95 30.5 11.2 51.2

Manual Integrations  
APPROVED

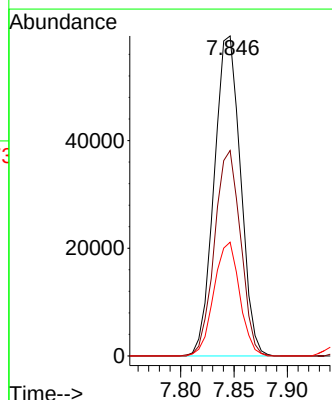
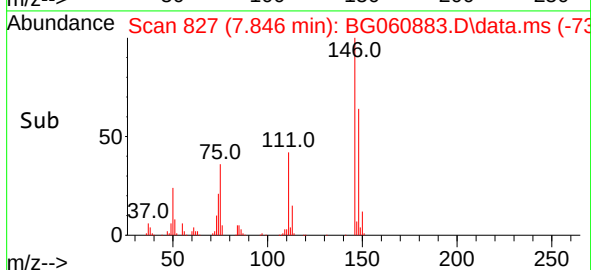
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

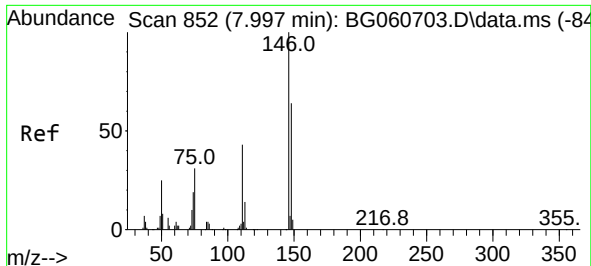


#12  
1,3-Dichlorobenzene  
Concen: 21.827 ng  
RT: 7.846 min Scan# 827  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06



Tgt Ion:146 Resp: 102071  
Ion Ratio Lower Upper  
146 100  
148 64.2 53.0 79.4  
75 35.5 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 21.996 ng

RT: 7.987 min Scan# 81

Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

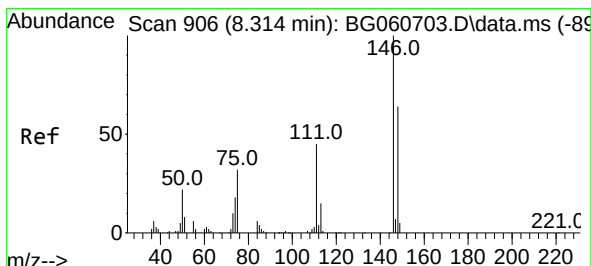
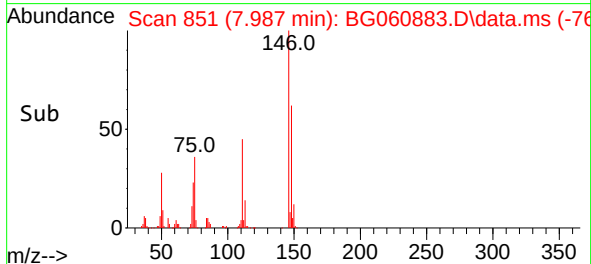
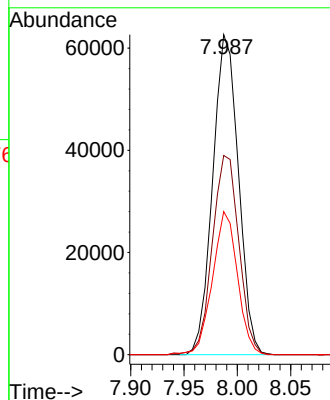
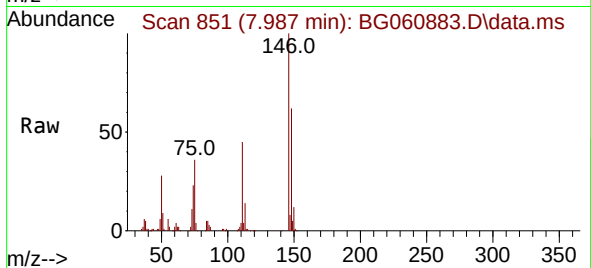
Tgt Ion:146 Resp: 104944  
 Ion Ratio Lower Upper  
 146 100  
 148 62.2 51.1 76.7  
 111 44.7 35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#14

1,2-Dichlorobenzene

Concen: 21.948 ng

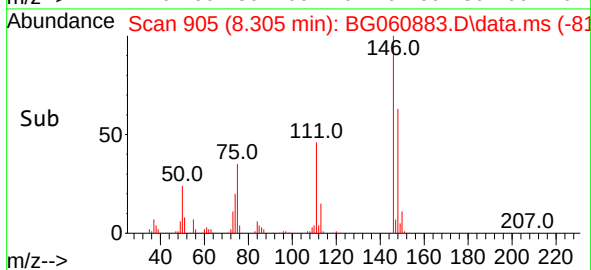
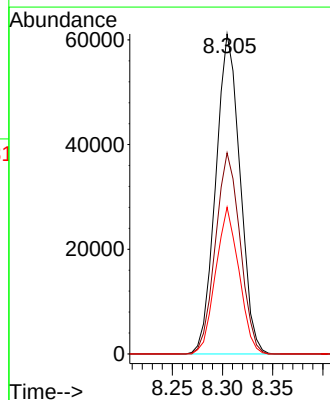
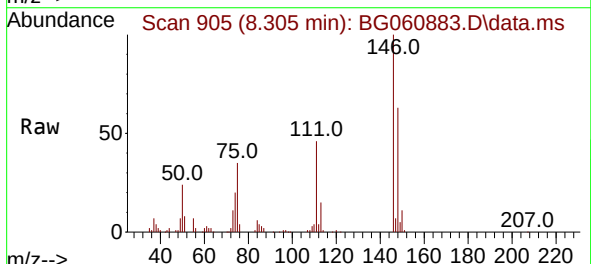
RT: 8.305 min Scan# 905

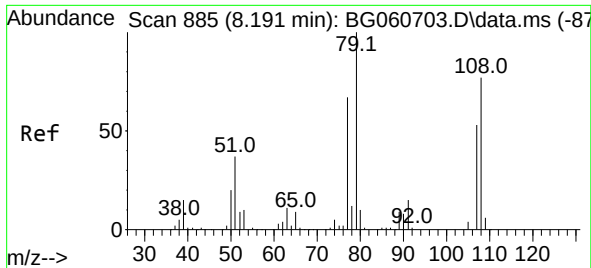
Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:146 Resp: 102618  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 51.0 76.6  
 111 45.9 36.0 54.0





#15  
Benzyl Alcohol  
Concen: 18.930 ng  
RT: 8.187 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

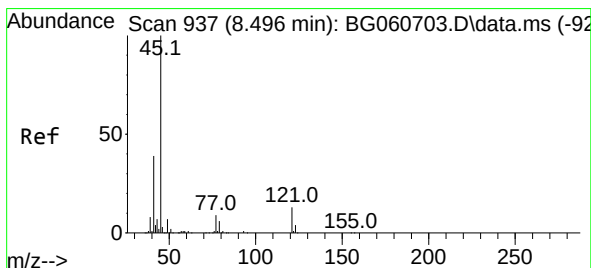
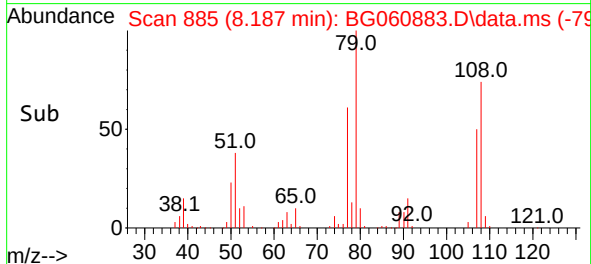
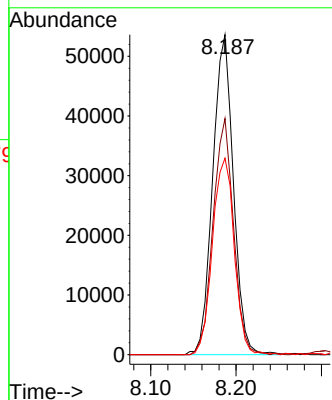
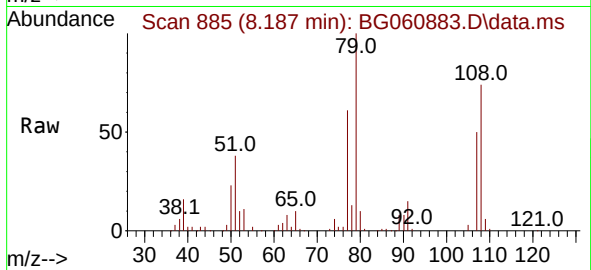
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion: 79 Resp: 9028

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 73.8  | 61.4  | 92.0  |
| 77  | 61.4  | 53.6  | 80.4  |

Manual Integrations  
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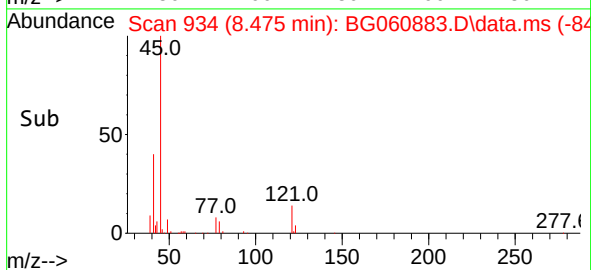
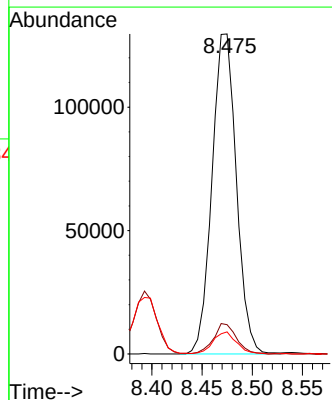
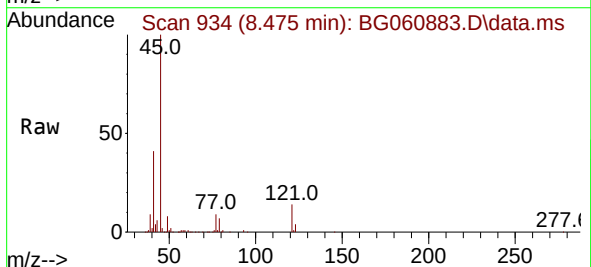
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

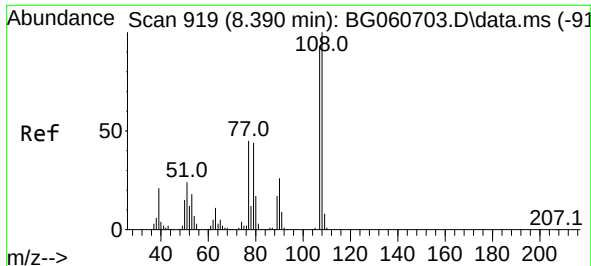


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 20.015 ng  
RT: 8.475 min Scan# 934  
Delta R.T. -0.021 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion: 45 Resp: 219143

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 9.1   | 0.0   | 29.1  |
| 79  | 6.9   | 0.0   | 26.5  |





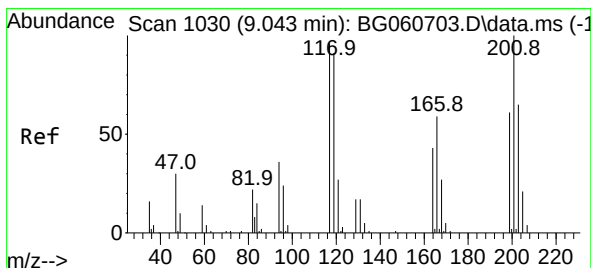
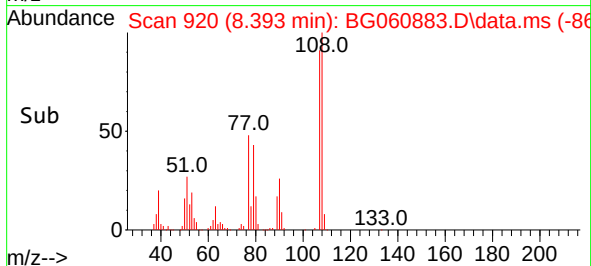
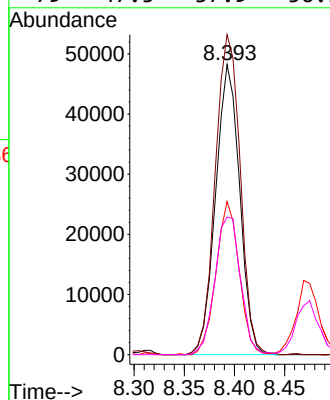
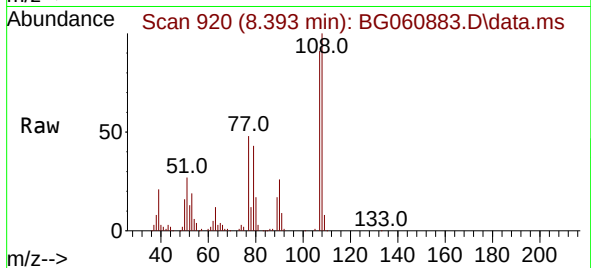
#17  
2-Methylphenol  
Concen: 17.691 ng  
RT: 8.393 min Scan# 919  
Delta R.T. 0.002 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 8025  |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 110.3 | 86.4  | 129.6 |
| 77        | 52.8  | 38.6  | 58.0  |
| 79        | 47.5  | 37.9  | 56.9  |

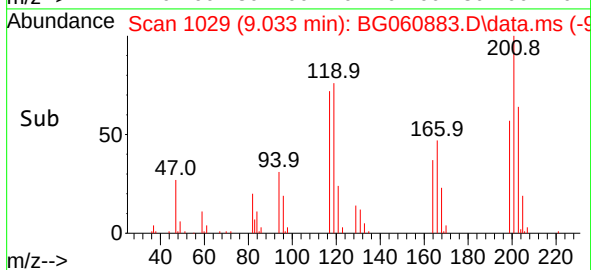
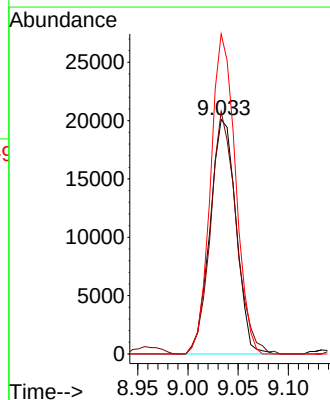
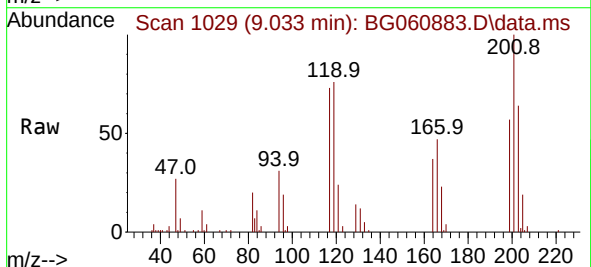
Manual Integrations  
APPROVED

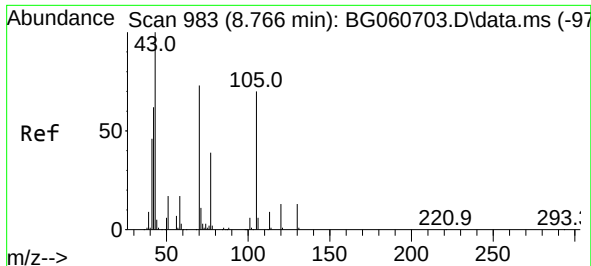
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#18  
Hexachloroethane  
Concen: 21.396 ng  
RT: 9.033 min Scan# 1029  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

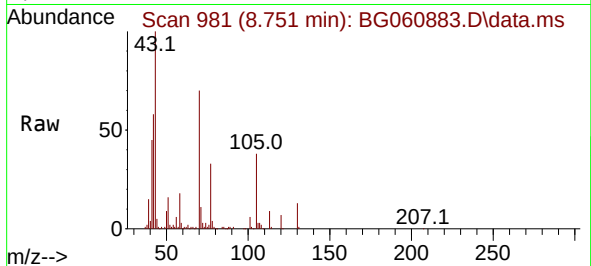
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 36254  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 103.4 | 75.7  | 113.5  |
| 201       | 136.6 | 83.4  | 125.2# |





#19  
n-Nitroso-di-n-propylamine  
Concen: 17.028 ng  
RT: 8.751 min Scan# 981  
Delta R.T. -0.015 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

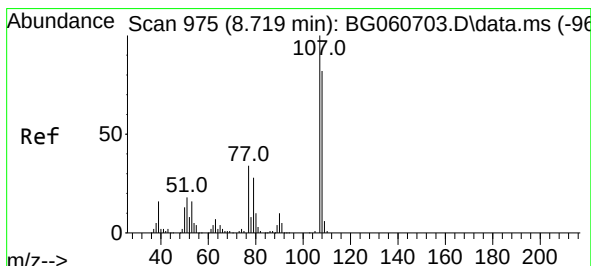
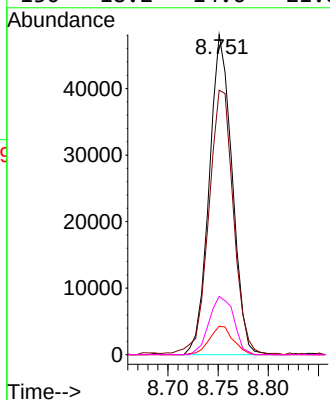
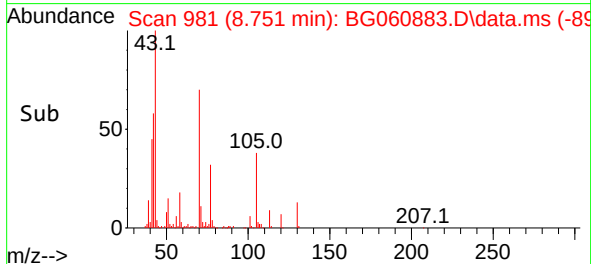
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion: 70 Resp: 76460  
Ion Ratio Lower Upper  
70 100  
42 82.6 68.4 102.6  
101 8.9 6.1 9.1  
130 18.2 14.6 21.8

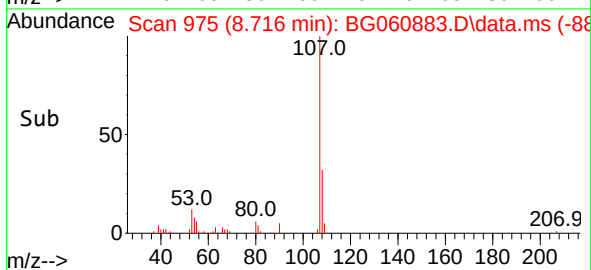
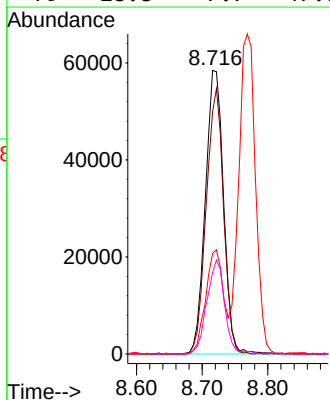
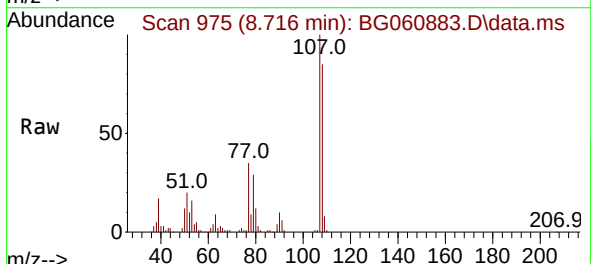
Manual Integrations  
APPROVED

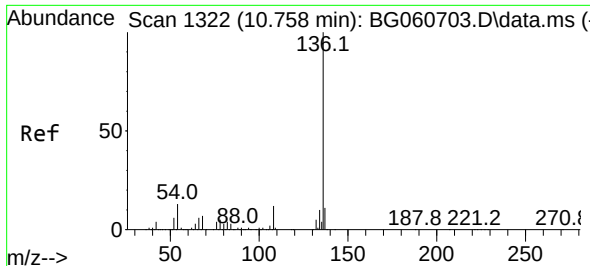
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#20  
3+4-Methylphenols  
Concen: 18.125 ng  
RT: 8.716 min Scan# 975  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:107 Resp: 112587  
Ion Ratio Lower Upper  
107 100  
108 85.4 62.2 102.2  
77 35.4 14.1 54.1  
79 28.8 7.7 47.7





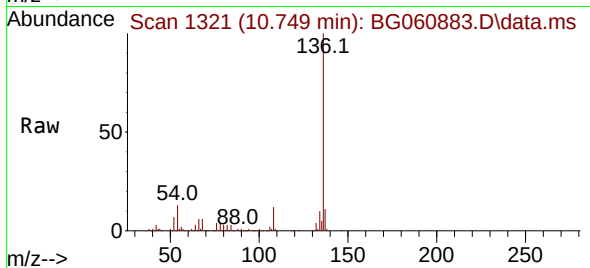
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.749 min Scan# 1321  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD



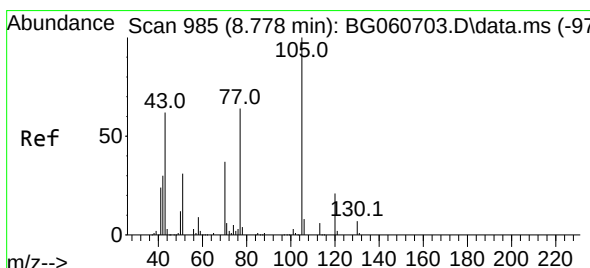
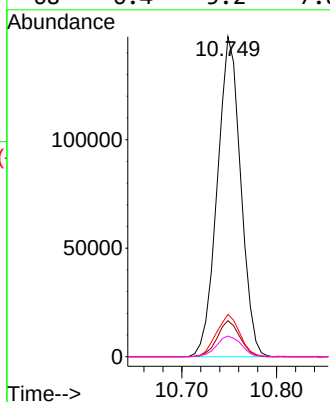
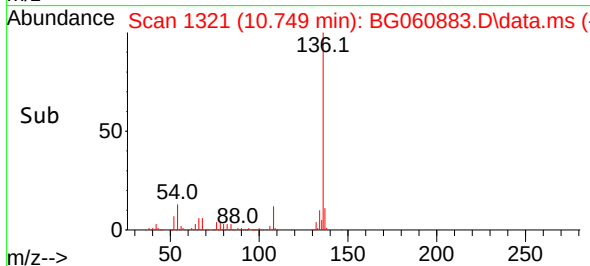
Tgt Ion:136 Resp: 25324  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 13.2 10.2 15.2  
68 6.4 5.2 7.8

Manual Integrations

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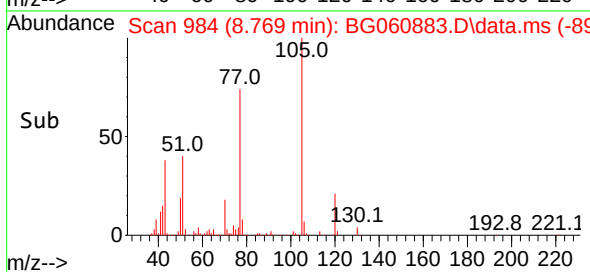
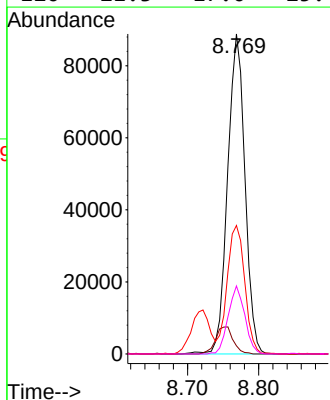
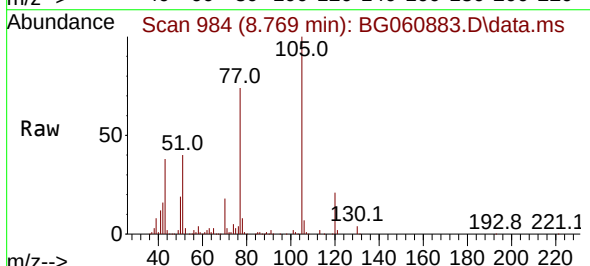
Reviewed By :Yogesh Patel 04/16/2024

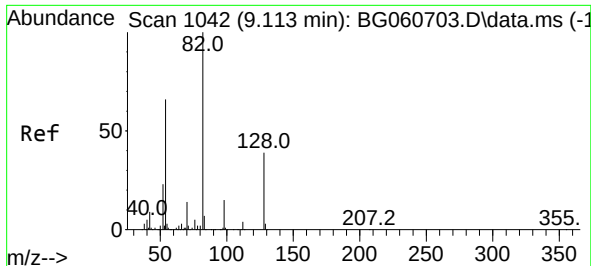
Supervised By :mohammad ahmed 04/17/2024



#22  
Acetophenone  
Concen: 21.504 ng  
RT: 8.769 min Scan# 984  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:105 Resp: 150158  
Ion Ratio Lower Upper  
105 100  
71 2.5 4.9 7.3#  
51 40.1 31.1 46.7  
120 21.3 17.0 25.4





#23

Nitrobenzene-d5

Concen: 34.539 ng

RT: 9.104 min Scan# 1041

Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion: 82 Resp: 15328

Ion Ratio Lower Upper

82 100

128 38.9 31.2 46.8

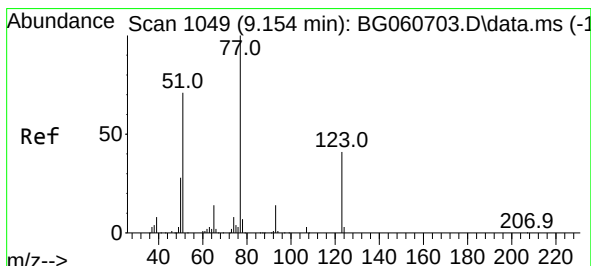
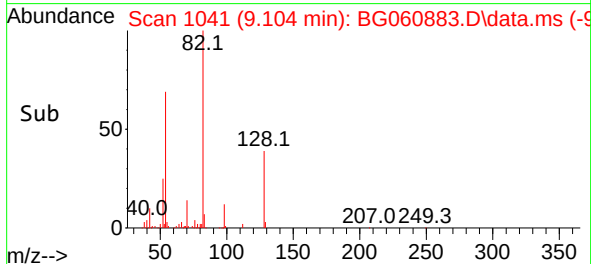
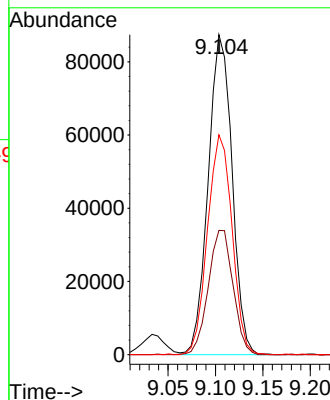
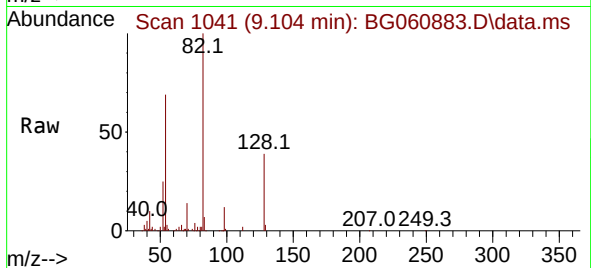
54 68.7 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#24

Nitrobenzene

Concen: 23.880 ng

RT: 9.151 min Scan# 1049

Delta R.T. -0.003 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

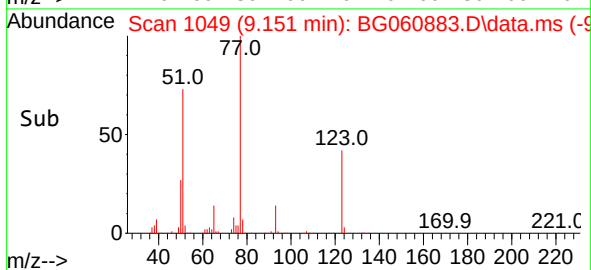
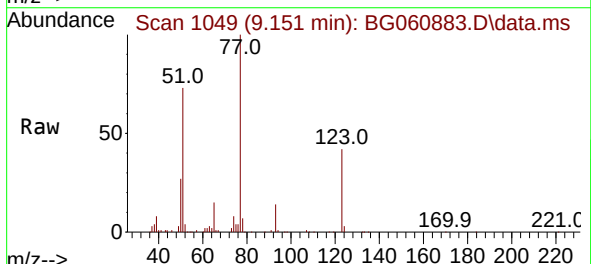
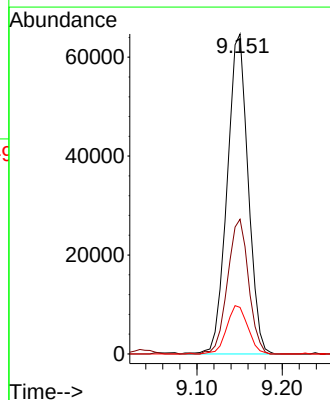
Tgt Ion: 77 Resp: 110663

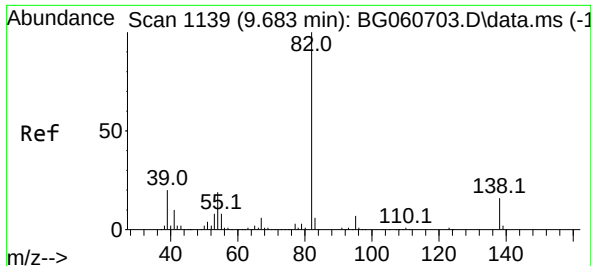
Ion Ratio Lower Upper

77 100

123 42.1 32.7 49.1

65 14.5 11.3 16.9





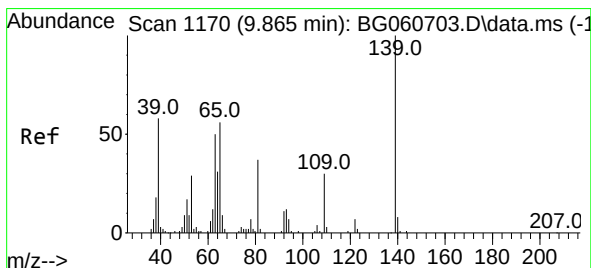
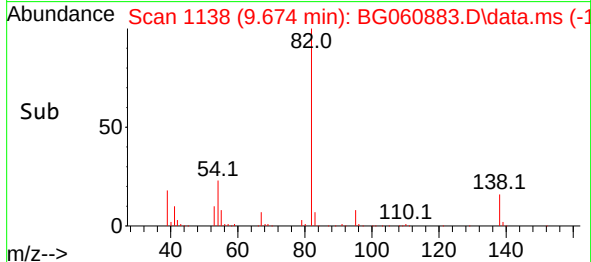
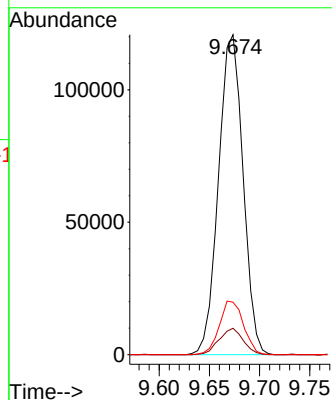
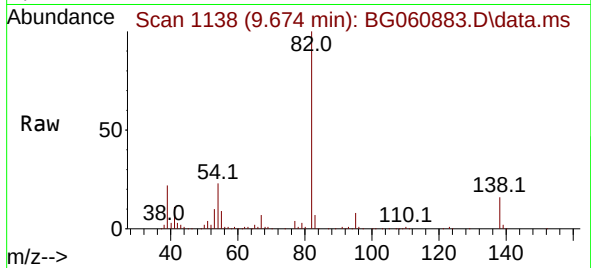
#25  
Isophorone  
Concen: 20.052 ng  
RT: 9.674 min Scan# 1139  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion: 82 Resp: 204970  
Ion Ratio Lower Upper  
82 100  
95 8.2 5.8 8.8  
138 16.4 13.0 19.4

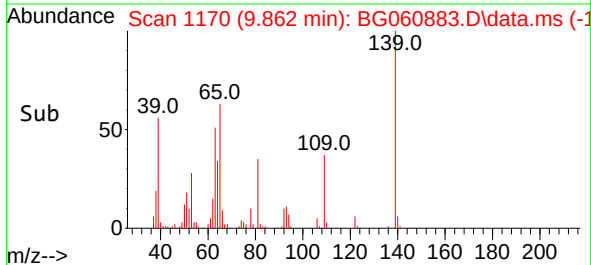
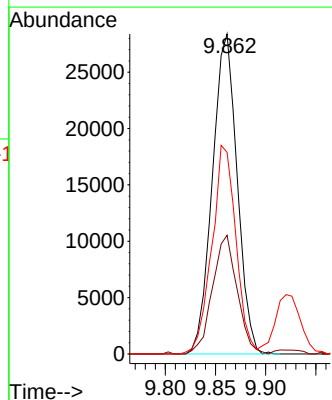
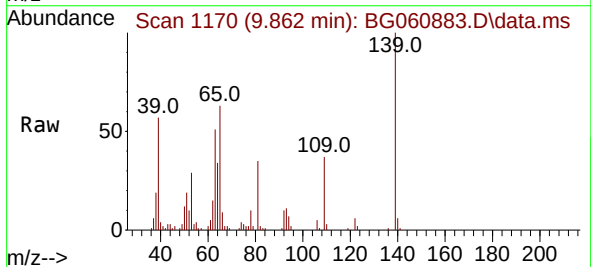
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

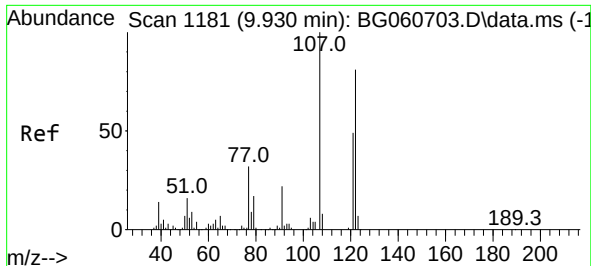


#26  
2-Nitrophenol  
Concen: 30.855 ng  
RT: 9.862 min Scan# 1170  
Delta R.T. -0.003 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:139 Resp: 48617  
Ion Ratio Lower Upper  
139 100  
109 37.1 23.9 35.9#  
65 63.0 44.5 66.7







#27

2,4-Dimethylphenol

Concen: 17.183 ng

RT: 9.920 min Scan# 1181

Delta R.T. -0.010 min

Lab File: BG060883.D

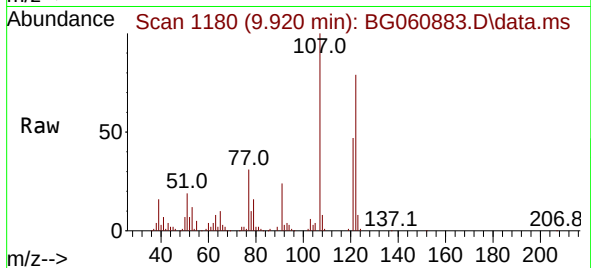
Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD



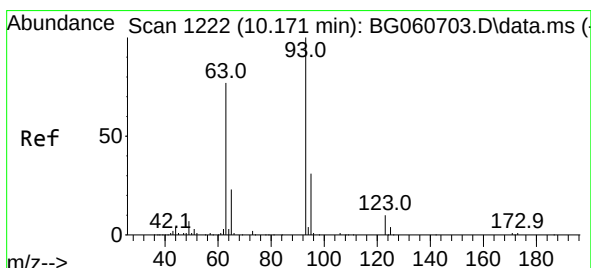
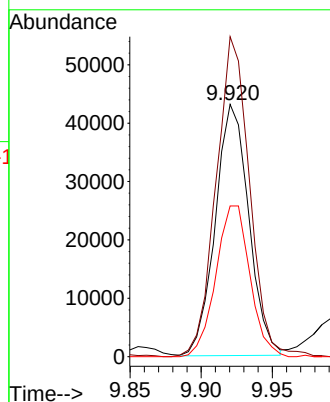
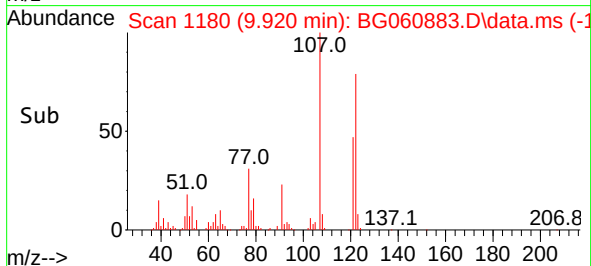
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 70558 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 126.8 | 98.6  | 147.8 |
| 121      | 59.8  | 48.1  | 72.1  |

Manual Integrations

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Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#28

bis(2-Chloroethoxy)methane

Concen: 19.090 ng

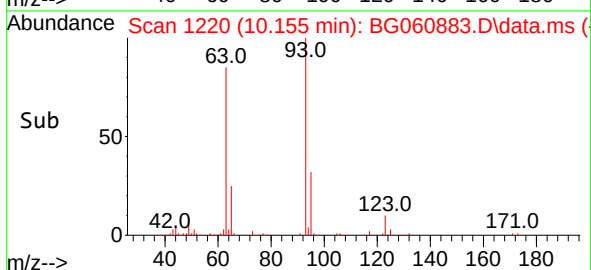
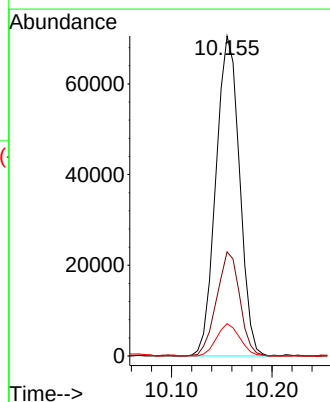
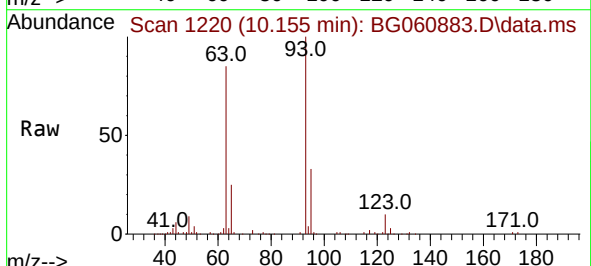
RT: 10.155 min Scan# 1220

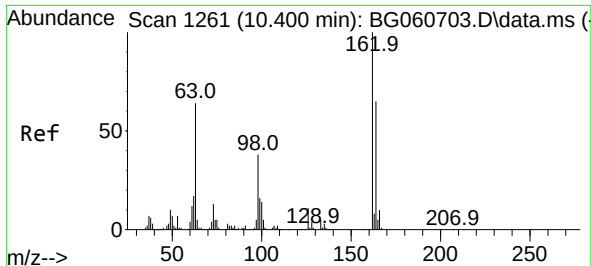
Delta R.T. -0.015 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 115208 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.5  | 25.1  | 37.7   |
| 123      | 10.1  | 8.0   | 12.0   |





#29

2,4-Dichlorophenol

Concen: 24.091 ng

RT: 10.396 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG060883.D

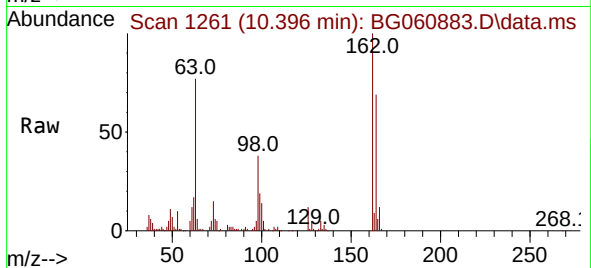
Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD



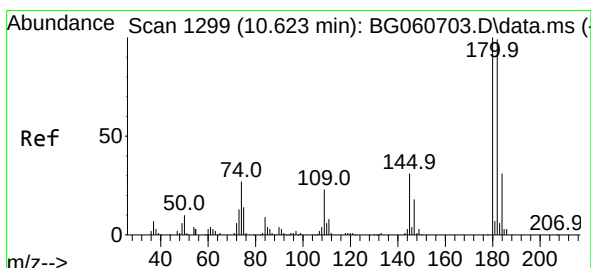
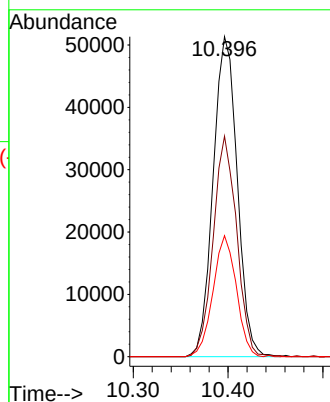
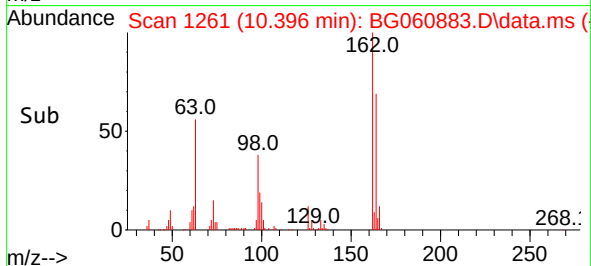
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 90840 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 68.9  | 45.2  | 85.2  |
| 98        | 37.8  | 17.7  | 57.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#30

1,2,4-Trichlorobenzene

Concen: 25.178 ng

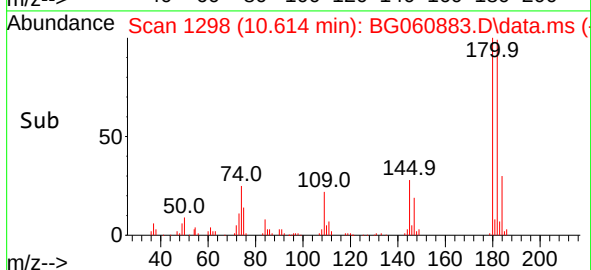
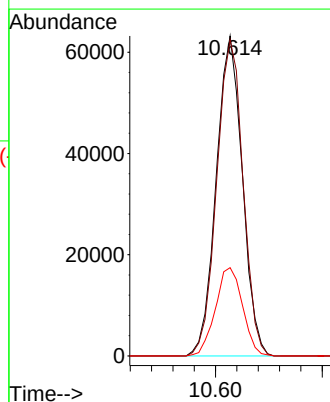
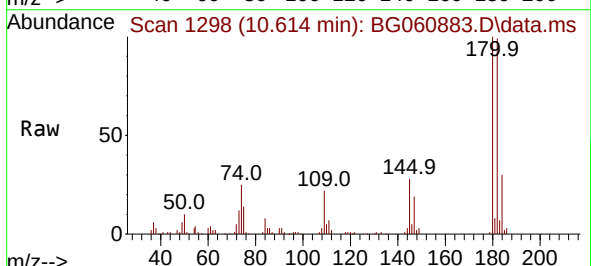
RT: 10.614 min Scan# 1298

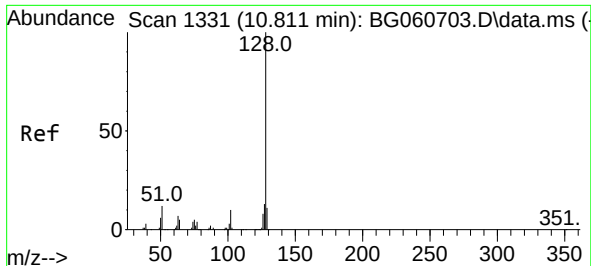
Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

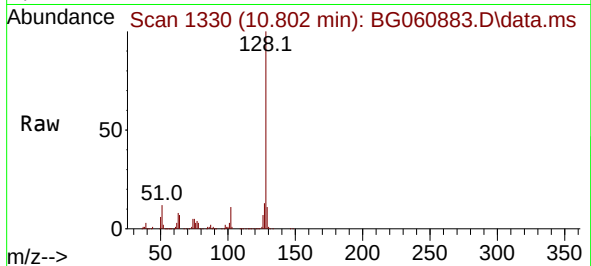
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 107504 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.8  | 79.0  | 118.4  |
| 145       | 27.6  | 24.9  | 37.3   |





#31  
Naphthalene  
Concen: 23.358 ng  
RT: 10.802 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

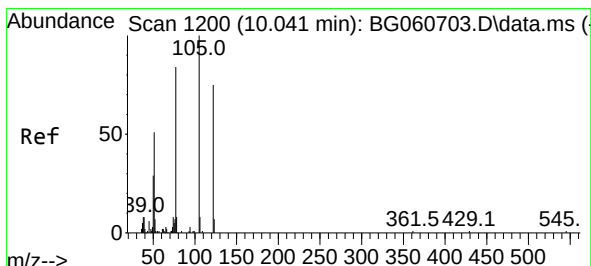
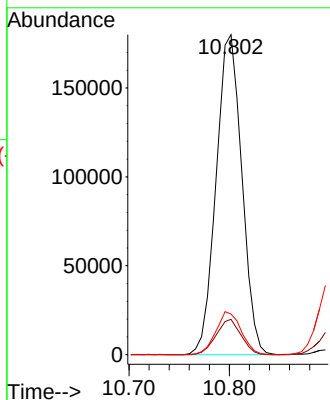
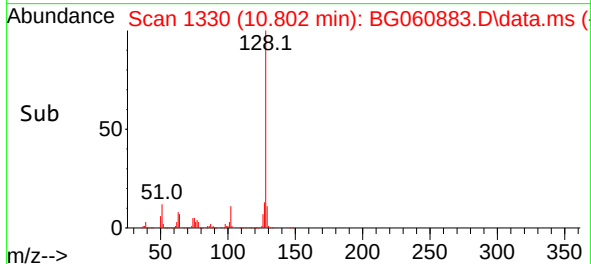
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:128 Resp: 31998  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.5 12.7  
127 12.7 10.5 15.7

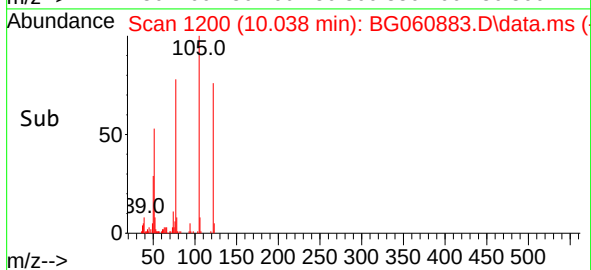
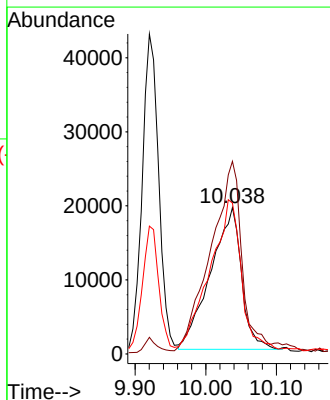
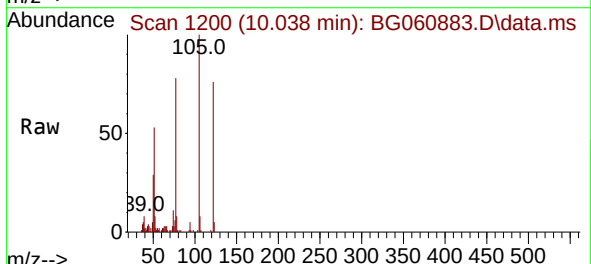
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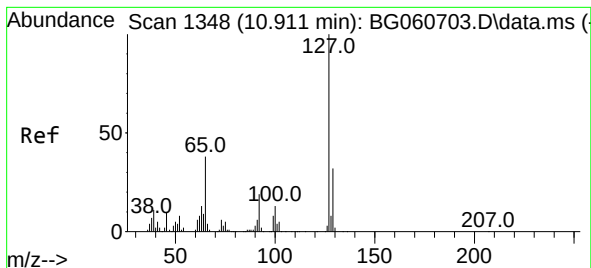
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#32  
Benzoic acid  
Concen: 25.207 ng m  
RT: 10.038 min Scan# 1200  
Delta R.T. -0.003 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

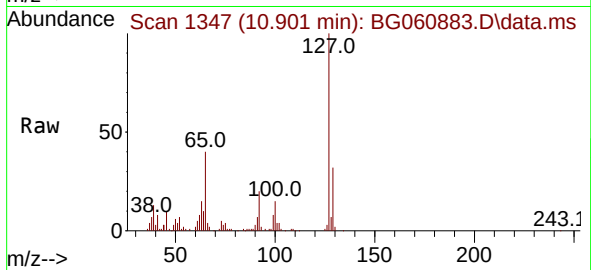
Tgt Ion:122 Resp: 58524  
Ion Ratio Lower Upper  
122 100  
105 131.6 104.5 144.5  
77 103.1 85.3 125.3





#33  
4-Chloroaniline  
Concen: 12.566 ng  
RT: 10.901 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

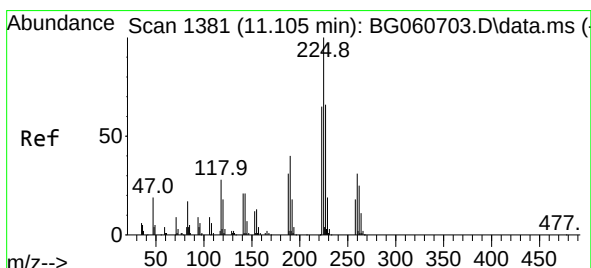
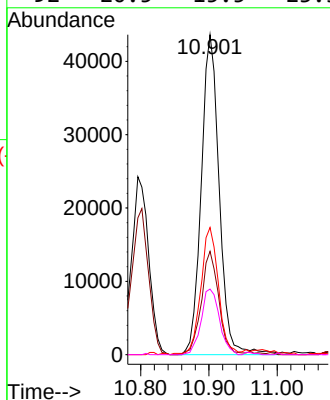
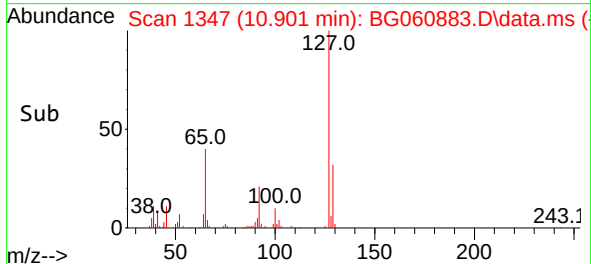
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



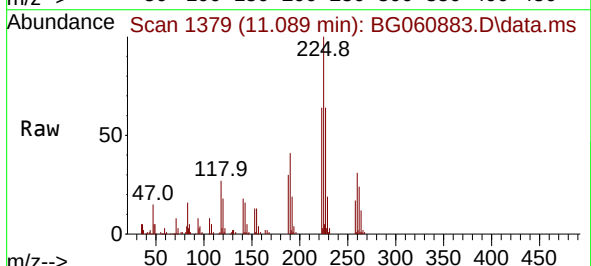
Tgt Ion:127 Resp: 7995  
Ion Ratio Lower Upper  
127 100  
129 32.3 25.3 37.9  
65 39.8 30.2 45.2  
92 20.5 15.5 23.3

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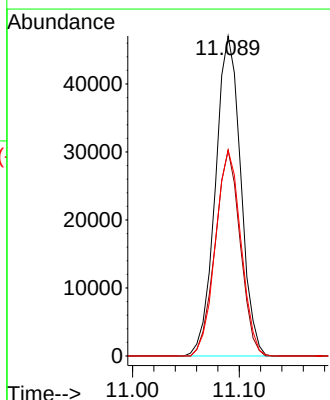
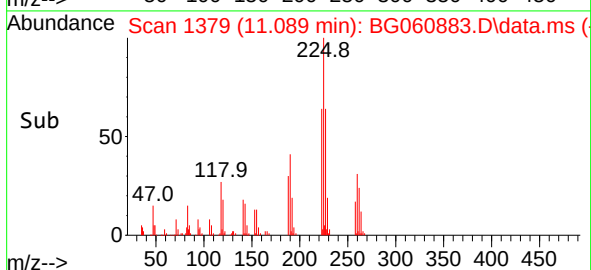
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

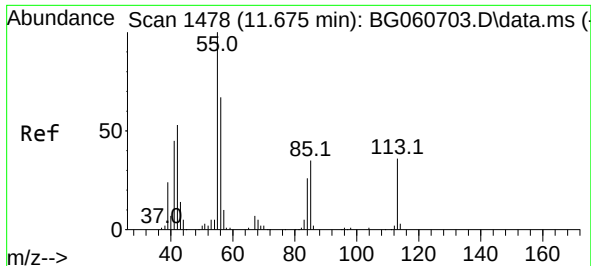


#34  
Hexachlorobutadiene  
Concen: 27.259 ng  
RT: 11.089 min Scan# 1379  
Delta R.T. -0.015 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06



Tgt Ion:225 Resp: 77568  
Ion Ratio Lower Upper  
225 100  
223 64.3 52.0 78.0  
227 64.3 52.5 78.7





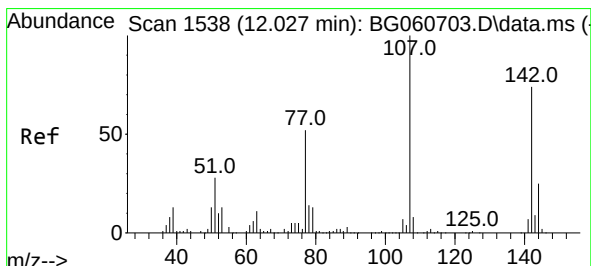
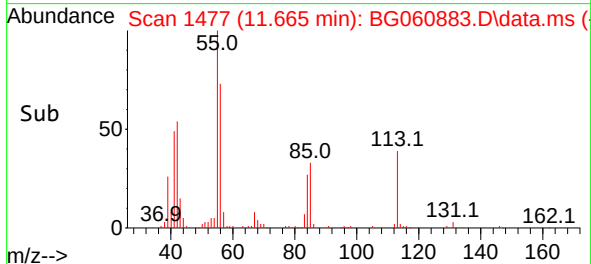
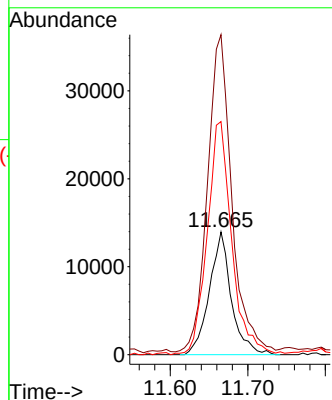
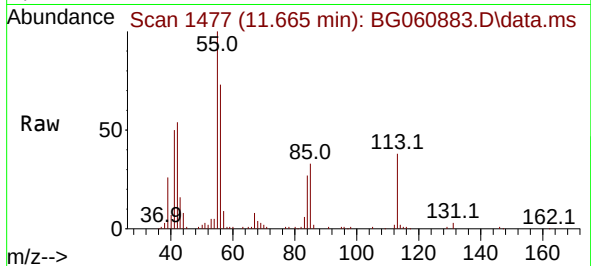
#35  
 Caprolactam  
 Concen: 18.423 ng  
 RT: 11.665 min Scan# 1478  
 Delta R.T. -0.009 min  
 Lab File: BG060883.D  
 Acq: 12 Apr 2024 21:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-04112024MSD

Tgt Ion:113 Resp: 27514  
 Ion Ratio Lower Upper  
 113 100  
 55 260.7 258.0 298.0  
 56 189.9 166.3 206.3

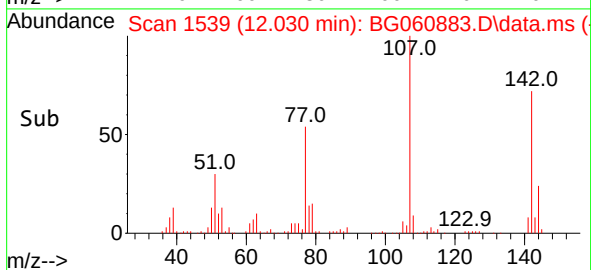
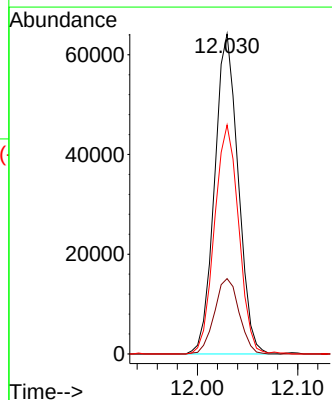
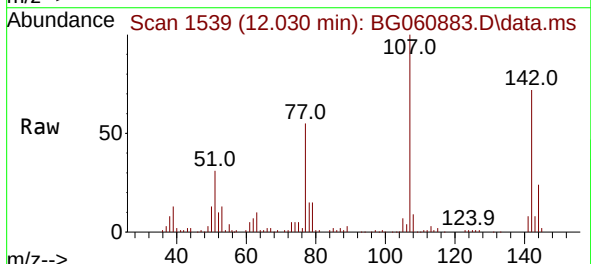
Manual Integrations  
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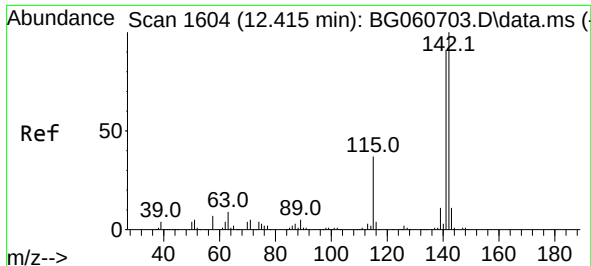
Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/17/2024



#36  
 4-Chloro-3-methylphenol  
 Concen: 21.742 ng  
 RT: 12.030 min Scan# 1539  
 Delta R.T. 0.002 min  
 Lab File: BG060883.D  
 Acq: 12 Apr 2024 21:06

Tgt Ion:107 Resp: 104728  
 Ion Ratio Lower Upper  
 107 100  
 144 23.6 20.0 30.0  
 142 71.6 59.2 88.8





#37

2-Methylnaphthalene

Concen: 22.811 ng

RT: 12.406 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion:142 Resp: 229740

Ion Ratio Lower Upper

142 100

141 91.6 72.7 109.1

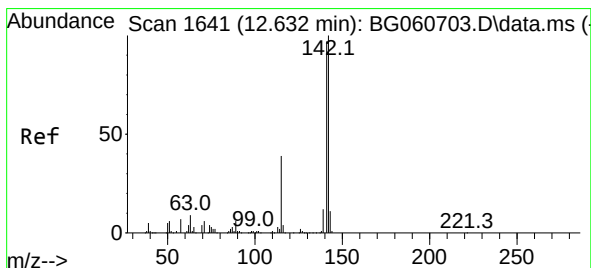
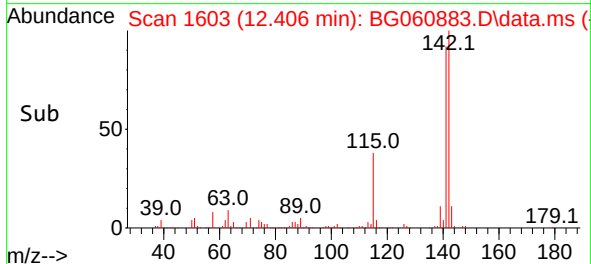
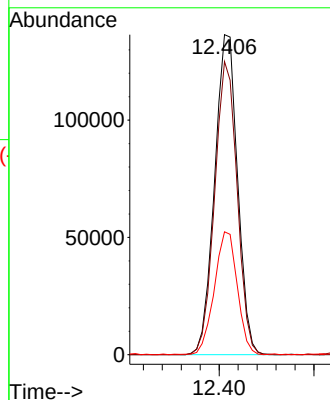
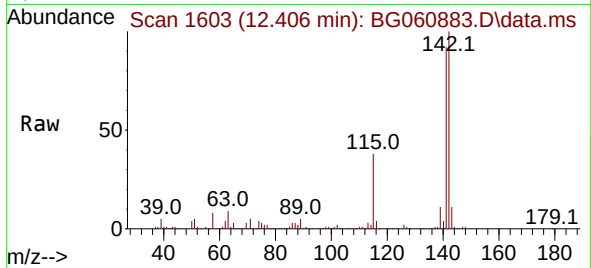
115 38.4 29.9 44.9

Manual Integrations

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Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#38

1-Methylnaphthalene

Concen: 22.692 ng

RT: 12.629 min Scan# 1641

Delta R.T. -0.004 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

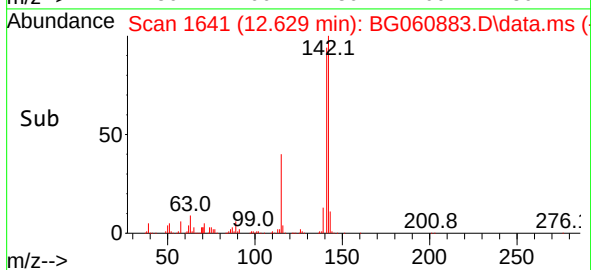
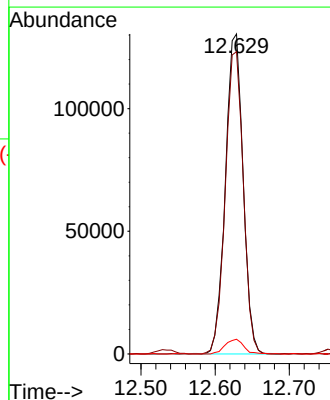
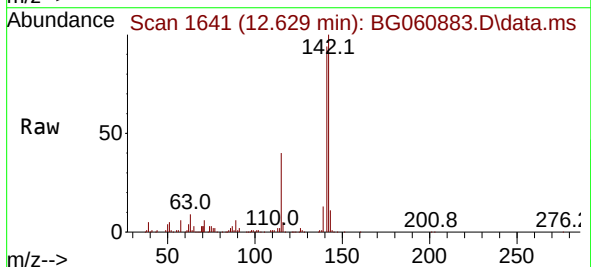
Tgt Ion:142 Resp: 215903

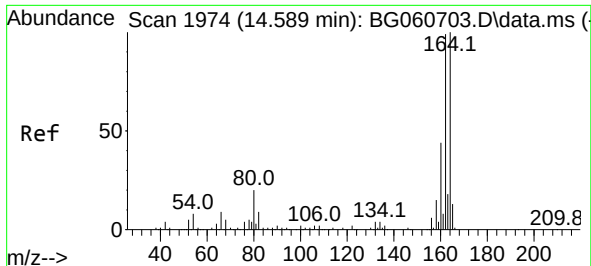
Ion Ratio Lower Upper

142 100

141 94.4 77.7 116.5

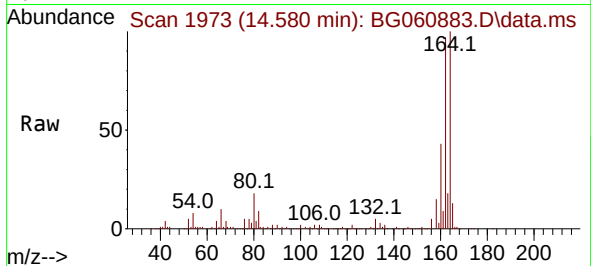
116 4.6 3.4 5.2





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.580 min Scan# 1974  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

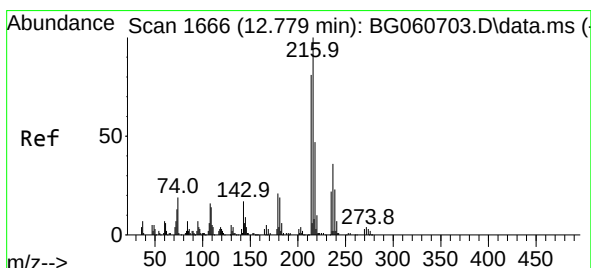
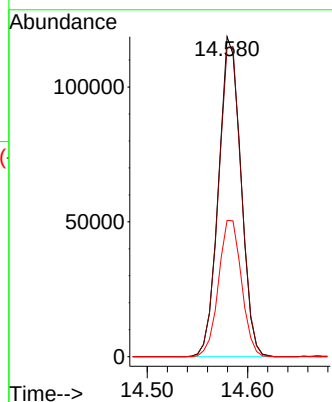
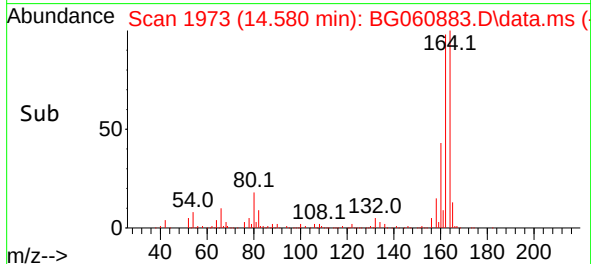
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:164 Resp: 183369  
Ion Ratio Lower Upper  
164 100  
162 96.6 79.5 119.3  
160 42.6 35.4 53.0

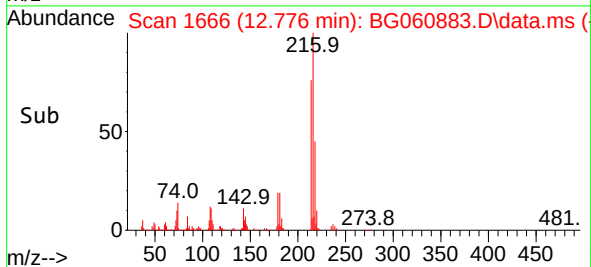
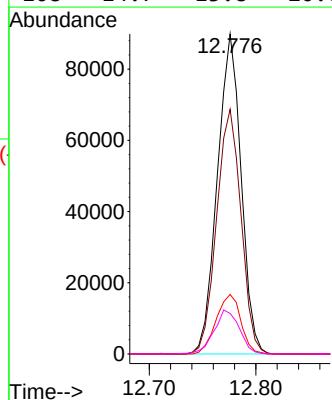
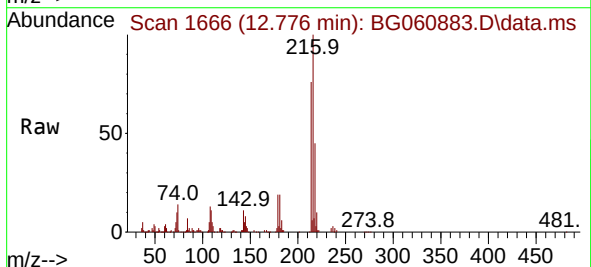
Manual Integrations  
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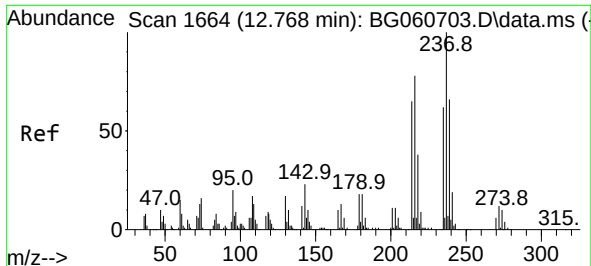
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 26.318 ng  
RT: 12.776 min Scan# 1666  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

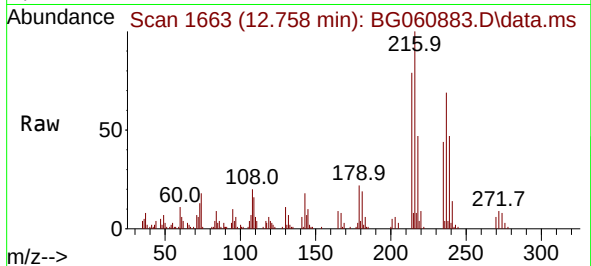
Tgt Ion:216 Resp: 138739  
Ion Ratio Lower Upper  
216 100  
214 78.5 63.1 94.7  
179 19.3 16.7 25.1  
108 14.7 13.8 20.6





#41  
Hexachlorocyclopentadiene  
Concen: 10.347 ng  
RT: 12.758 min Scan# 1663  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

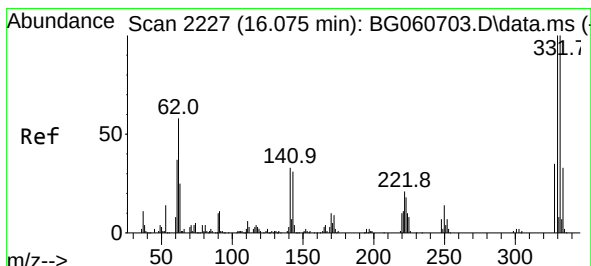
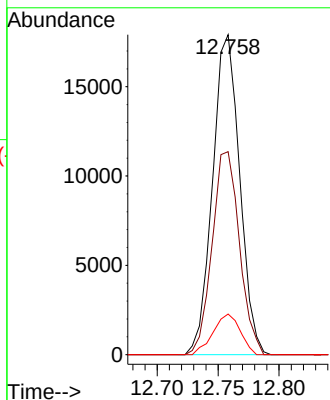
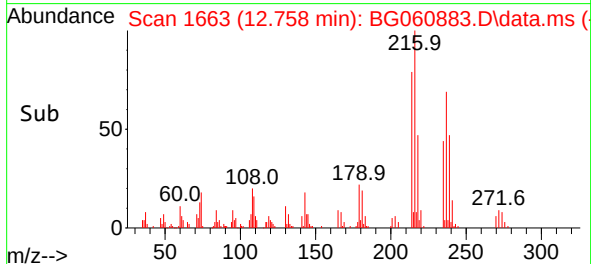
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:237 Resp: 2773  
Ion Ratio Lower Upper  
237 100  
235 63.5 42.0 82.0  
272 12.7 0.0 32.4

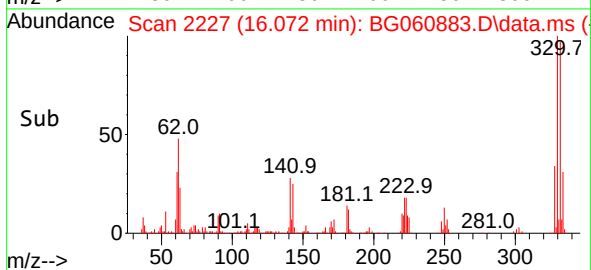
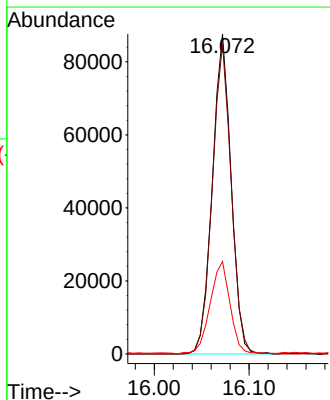
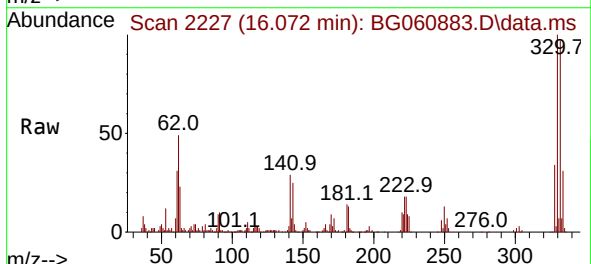
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

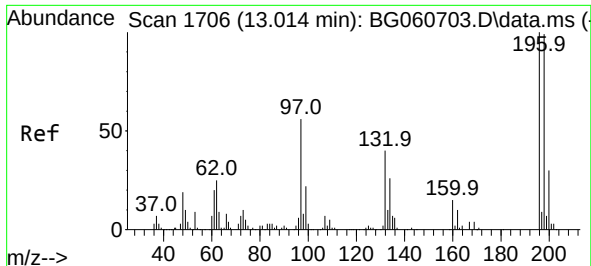


#42  
2,4,6-Tribromophenol  
Concen: 57.729 ng  
RT: 16.072 min Scan# 2227  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:330 Resp: 120164  
Ion Ratio Lower Upper  
330 100  
332 98.0 78.2 117.4  
141 31.0 27.0 40.6







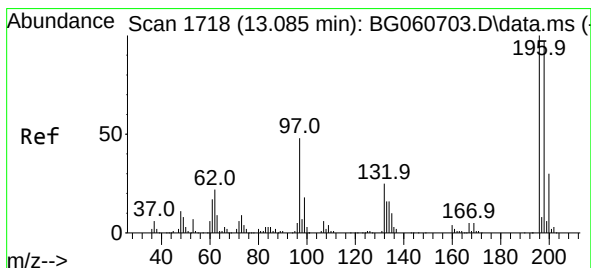
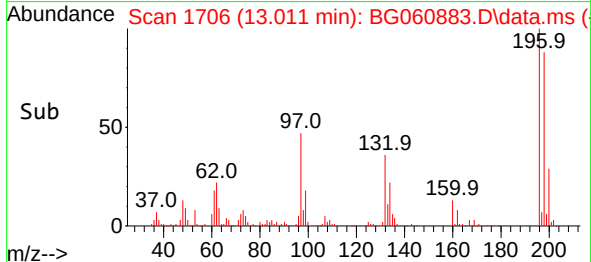
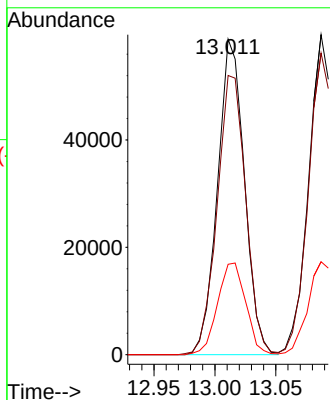
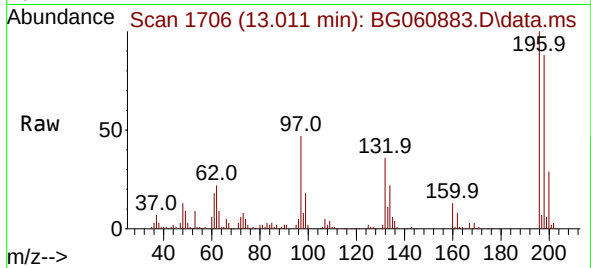
#43  
2,4,6-Trichlorophenol  
Concen: 26.645 ng  
RT: 13.011 min Scan# 1719  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion:196 Resp: 9044  
Ion Ratio Lower Upper  
196 100  
198 88.5 79.1 118.7  
200 28.7 24.0 36.0

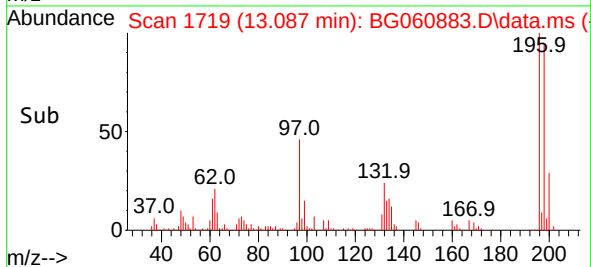
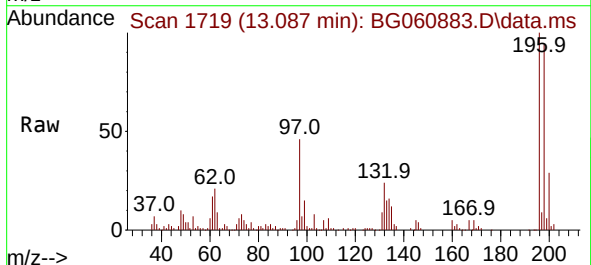
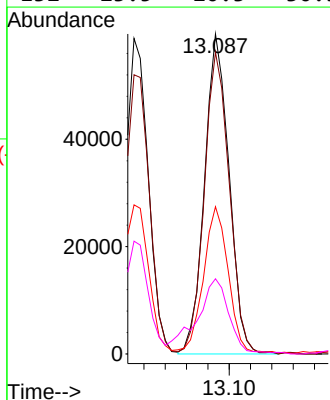
Manual Integrations  
APPROVED

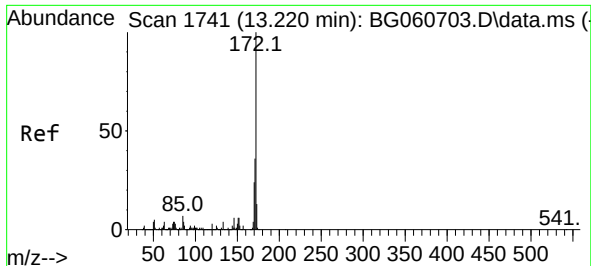
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#44  
2,4,5-Trichlorophenol  
Concen: 23.588 ng  
RT: 13.087 min Scan# 1719  
Delta R.T. 0.002 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

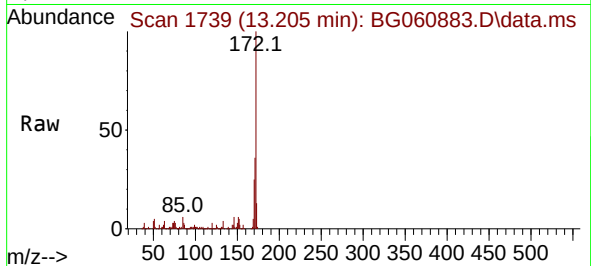
Tgt Ion:196 Resp: 95554  
Ion Ratio Lower Upper  
196 100  
198 94.3 77.8 116.8  
97 46.0 38.2 57.4  
132 23.5 20.3 30.5





#45  
2-Fluorobiphenyl  
Concen: 29.019 ng  
RT: 13.205 min Scan# 1739  
Delta R.T. -0.015 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

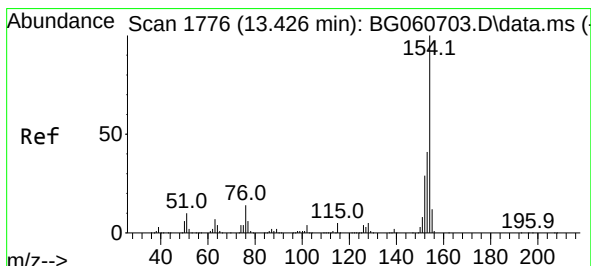
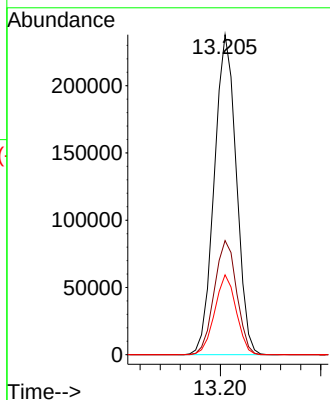
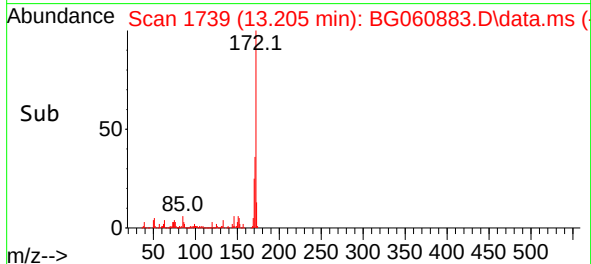
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



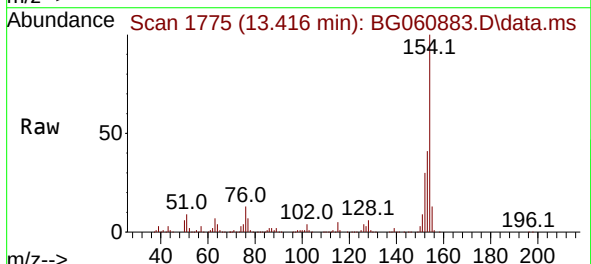
Tgt Ion:172 Resp: 362579  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.7 43.1  
170 25.0 19.4 29.0

Manual Integrations  
APPROVED

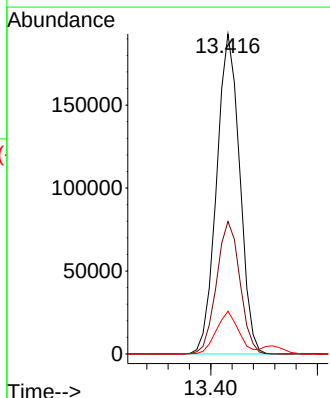
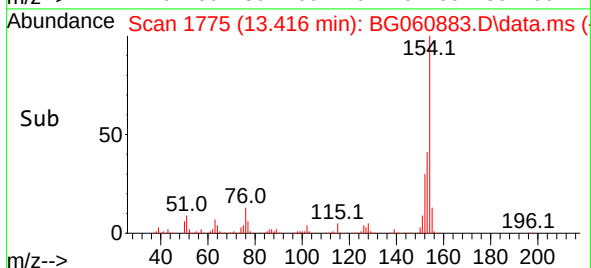
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

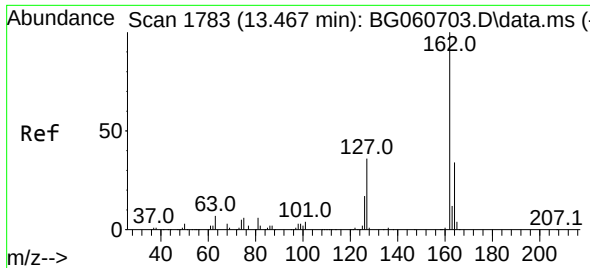


#46  
1,1'-Biphenyl  
Concen: 22.353 ng  
RT: 13.416 min Scan# 1775  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06



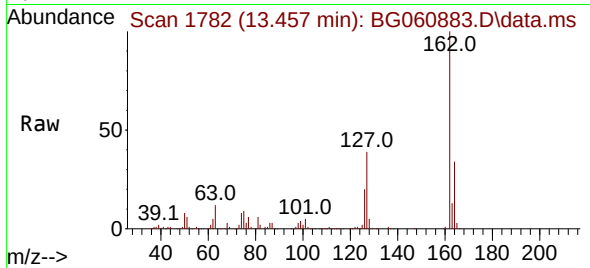
Tgt Ion:154 Resp: 289512  
Ion Ratio Lower Upper  
154 100  
153 41.4 20.8 60.8  
76 13.4 0.0 33.9





#47  
2-Chloronaphthalene  
Concen: 22.728 ng  
RT: 13.457 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

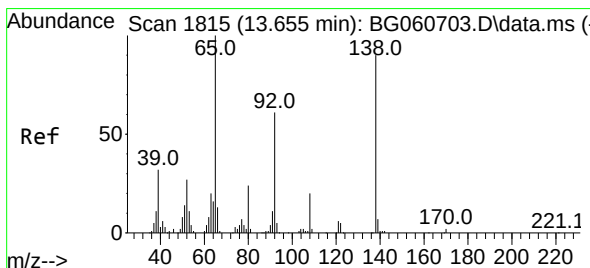
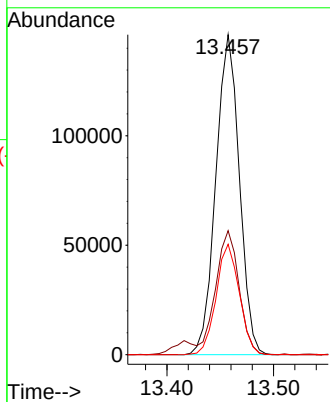
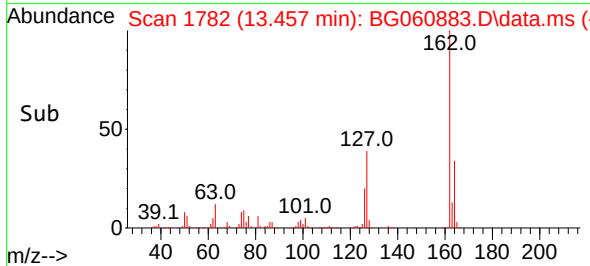
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:162 Resp: 223650  
Ion Ratio Lower Upper  
162 100  
127 38.7 30.6 46.0  
164 34.5 26.9 40.3

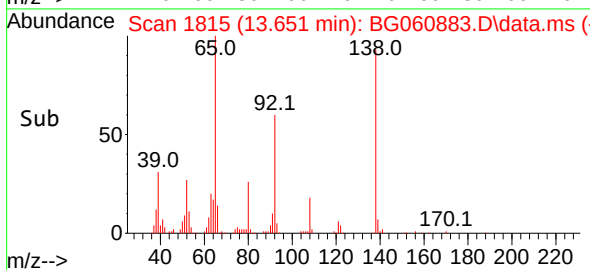
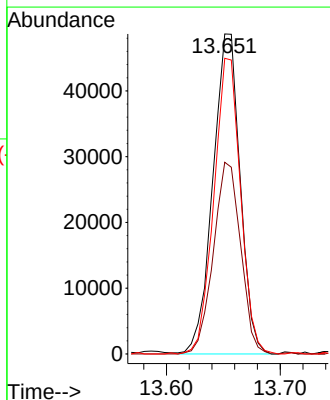
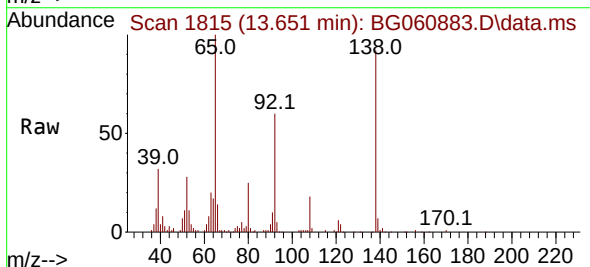
Manual Integrations  
APPROVED

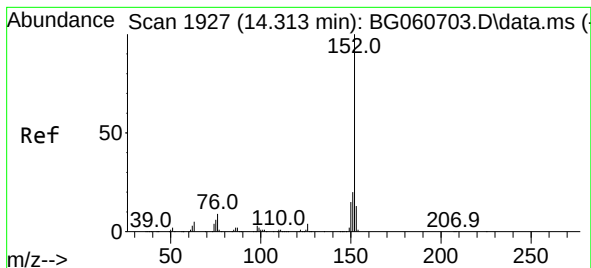
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#48  
2-Nitroaniline  
Concen: 27.945 ng  
RT: 13.651 min Scan# 1815  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion: 65 Resp: 81064  
Ion Ratio Lower Upper  
65 100  
92 59.9 48.6 72.8  
138 92.4 72.2 108.4





#49

Acenaphthylene

Concen: 24.031 ng

RT: 14.303 min Scan# 1927

Delta R.T. -0.010 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

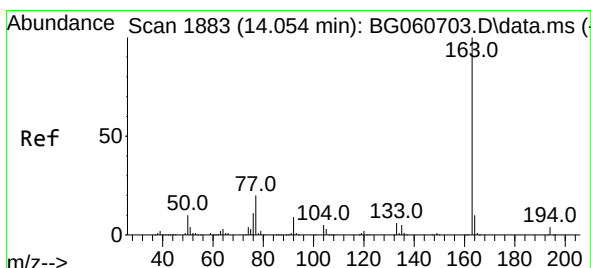
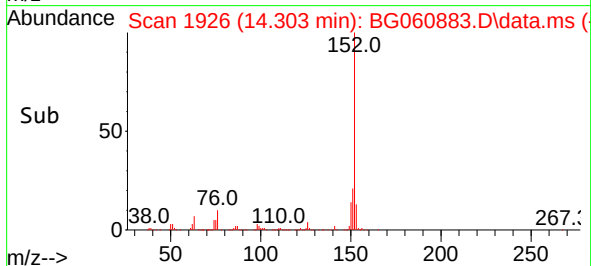
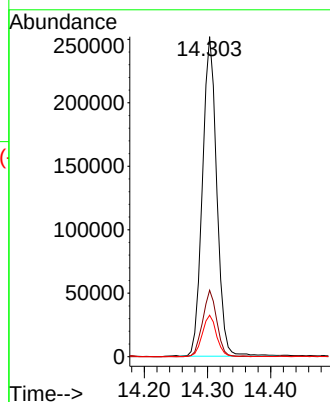
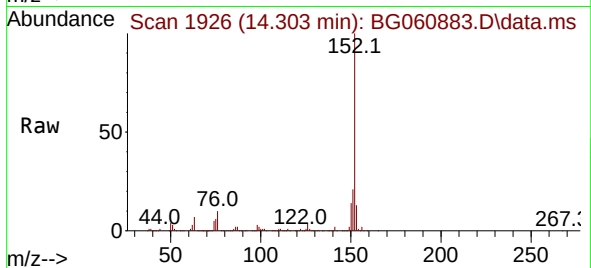
Tgt Ion:152 Resp: 397339  
 Ion Ratio Lower Upper  
 152 100  
 151 20.8 16.4 24.6  
 153 12.9 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#50

Dimethylphthalate

Concen: 20.198 ng

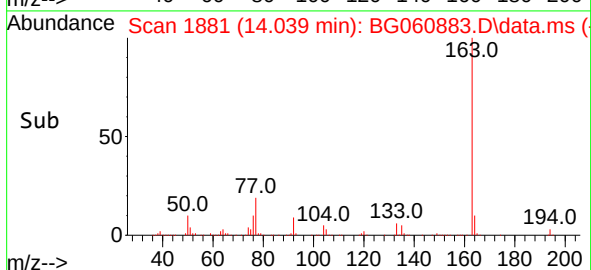
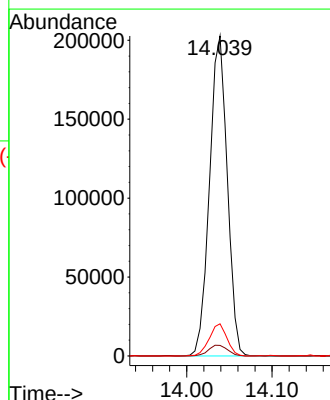
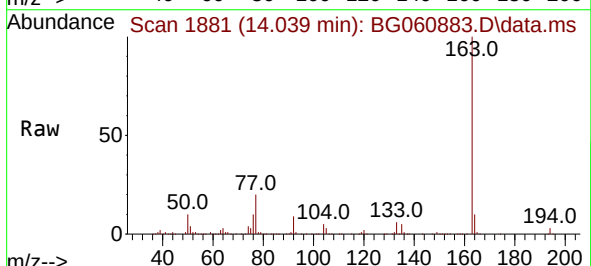
RT: 14.039 min Scan# 1881

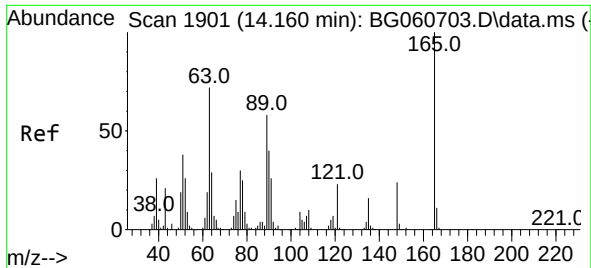
Delta R.T. -0.015 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:163 Resp: 292738  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 3.0 4.6  
 164 10.1 7.9 11.9





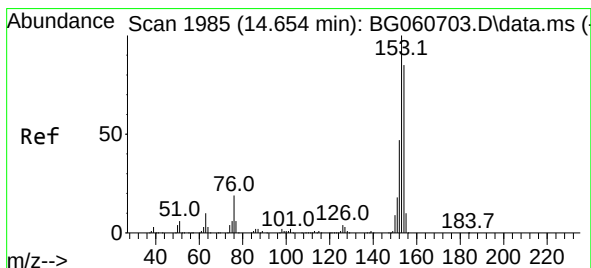
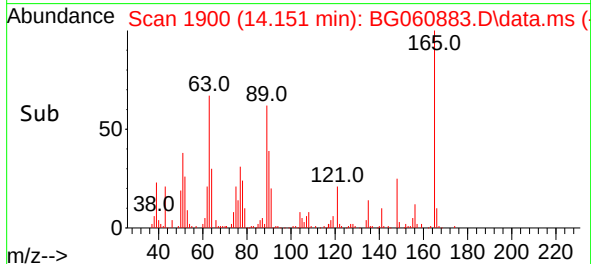
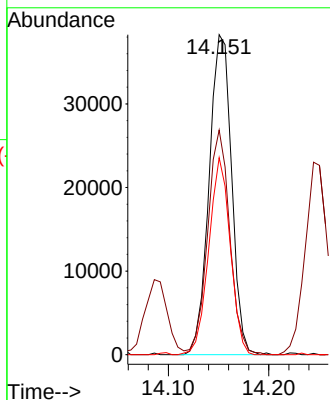
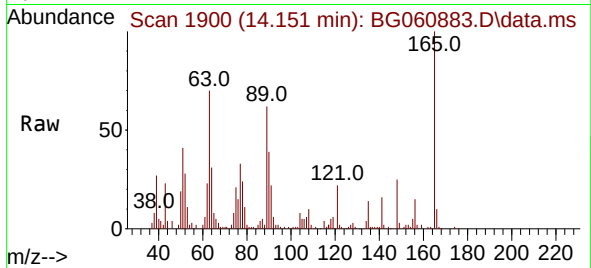
#51  
2,6-Dinitrotoluene  
Concen: 24.767 ng  
RT: 14.151 min Scan# 1901  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion:165 Resp: 59538  
Ion Ratio Lower Upper  
165 100  
63 70.2 58.2 87.4  
89 61.6 46.1 69.1

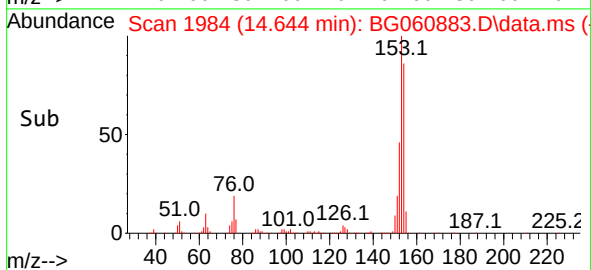
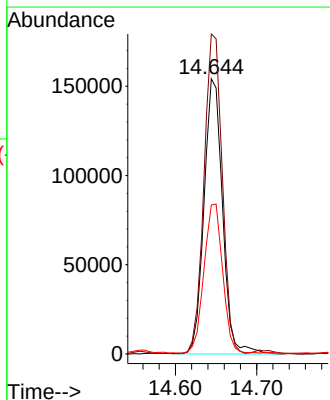
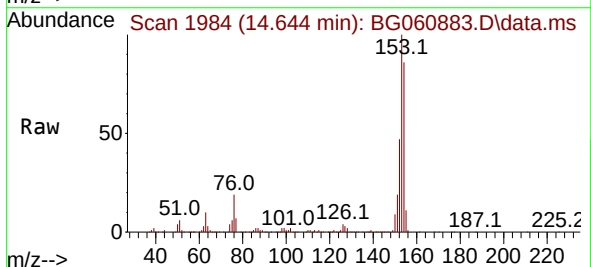
Manual Integrations  
APPROVED

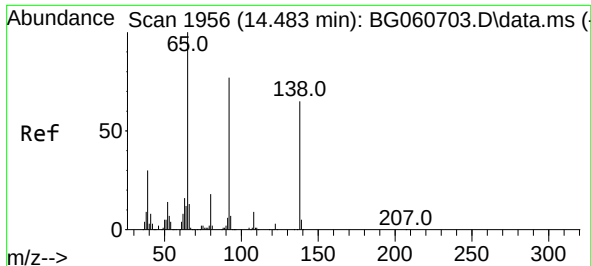
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#52  
Acenaphthene  
Concen: 23.453 ng  
RT: 14.644 min Scan# 1984  
Delta R.T. -0.010 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:154 Resp: 243477  
Ion Ratio Lower Upper  
154 100  
153 116.3 93.9 140.9  
152 54.1 44.1 66.1





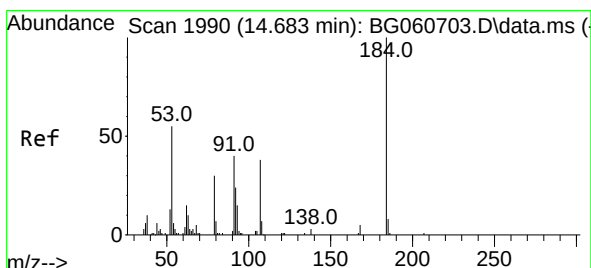
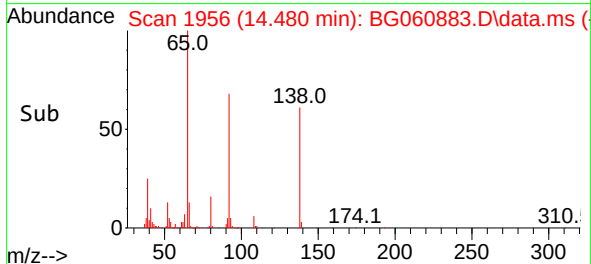
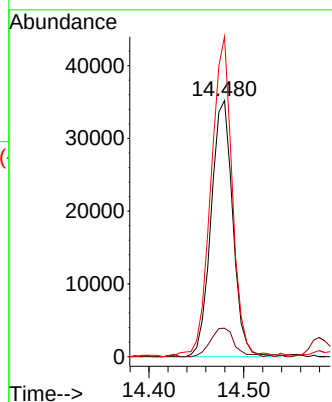
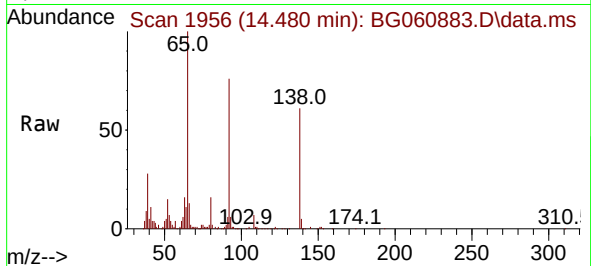
#53  
3-Nitroaniline  
Concen: 21.340 ng  
RT: 14.480 min Scan# 1956  
Delta R.T. -0.003 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion:138 Resp: 55950  
Ion Ratio Lower Upper  
138 100  
108 11.1 11.3 16.9  
92 124.9 94.1 141.1

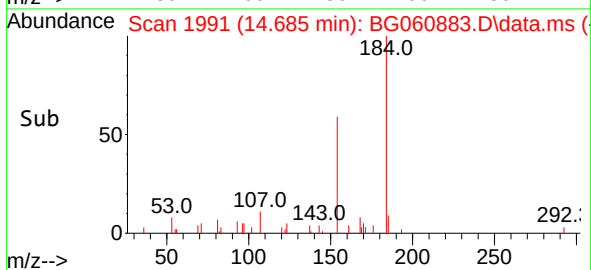
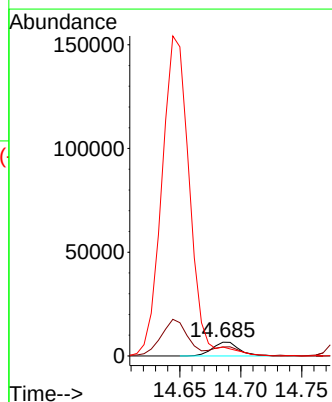
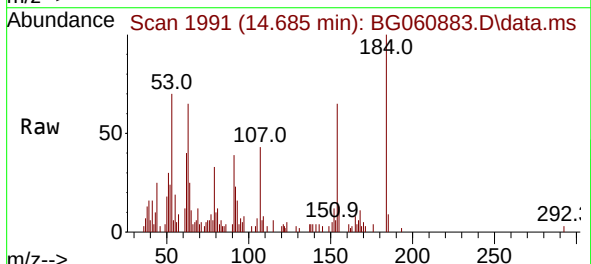
Manual Integrations  
APPROVED

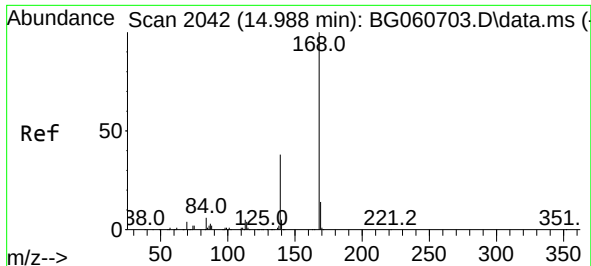
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#54  
2,4-Dinitrophenol  
Concen: 10.020 ng  
RT: 14.685 min Scan# 1991  
Delta R.T. 0.002 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

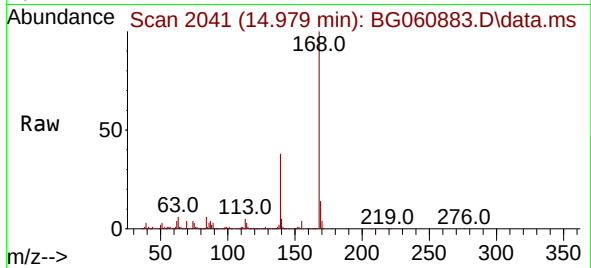
Tgt Ion:184 Resp: 10109  
Ion Ratio Lower Upper  
184 100  
63 65.0 51.3 76.9  
154 64.7 59.9 89.9





#55  
Dibenzenofuran  
Concen: 23.945 ng  
RT: 14.979 min Scan# 2010  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

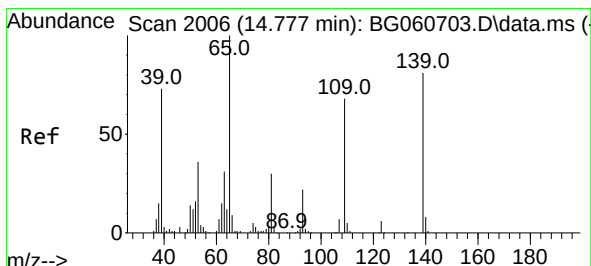
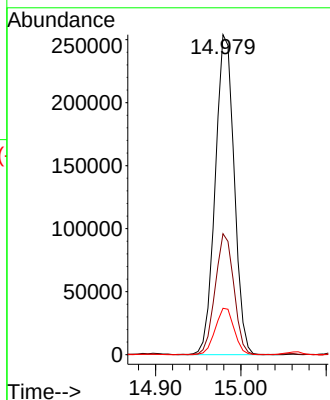
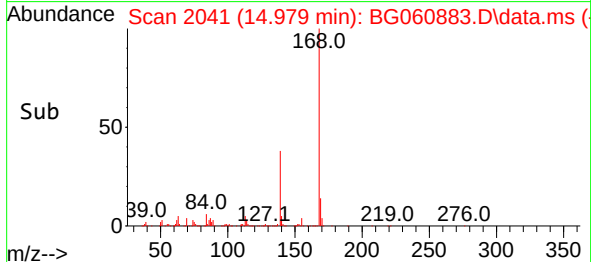
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:168 Resp: 39209  
Ion Ratio Lower Upper  
168 100  
139 37.8 30.1 45.1  
169 14.5 11.0 16.4

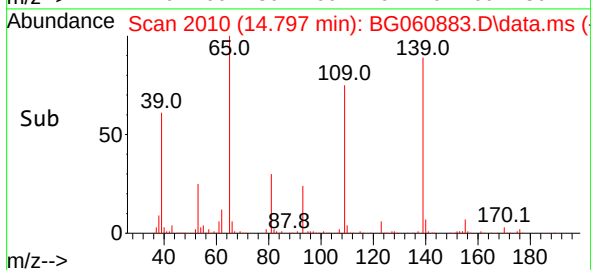
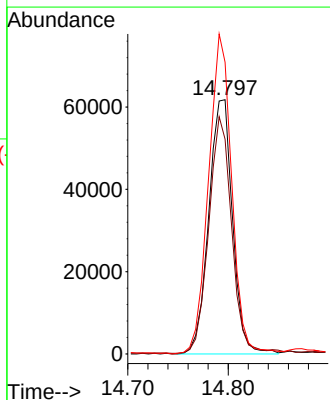
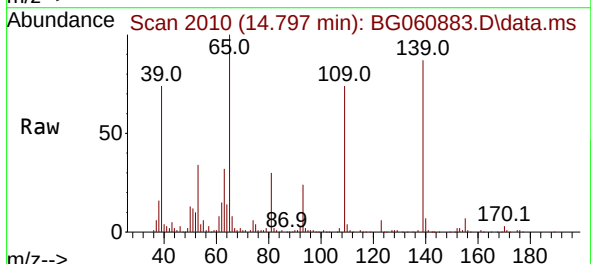
Manual Integrations  
APPROVED

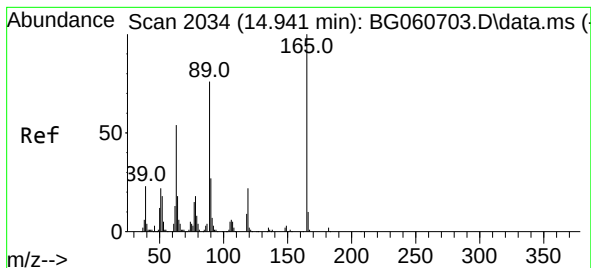
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#56  
4-Nitrophenol  
Concen: 48.170 ng  
RT: 14.797 min Scan# 2010  
Delta R.T. 0.020 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

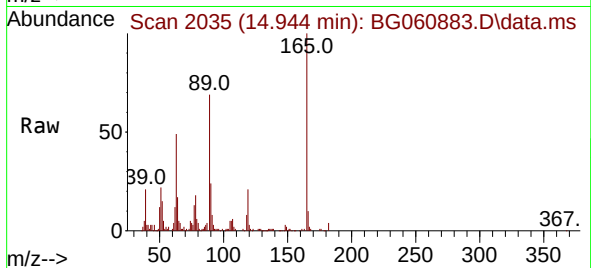
Tgt Ion:139 Resp: 102063  
Ion Ratio Lower Upper  
139 100  
109 84.5 64.0 104.0  
65 114.7 104.3 144.3





#57  
2,4-Dinitrotoluene  
Concen: 26.944 ng  
RT: 14.944 min Scan# 2034  
Delta R.T. 0.003 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

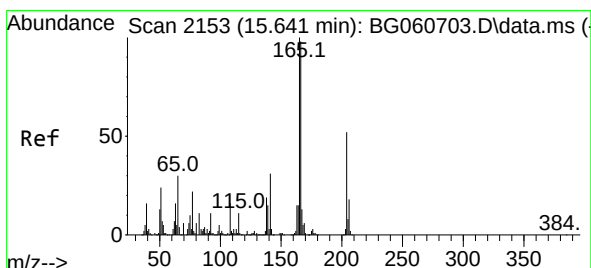
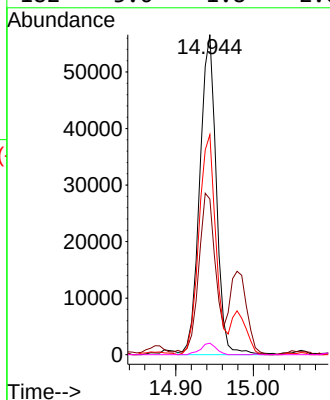
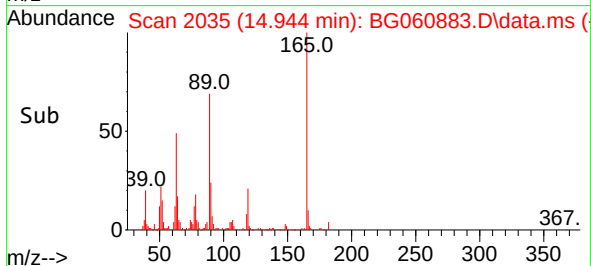
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:165 Resp: 8383  
Ion Ratio Lower Upper  
165 100  
63 48.7 43.4 65.0  
89 68.8 61.0 91.6  
182 3.6 1.8 2.6#

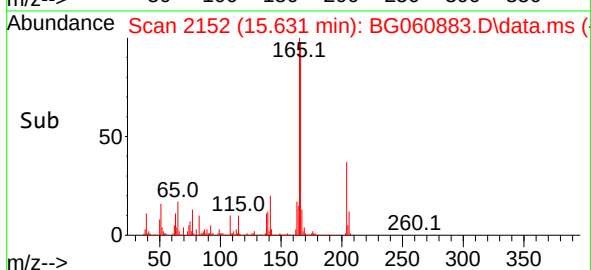
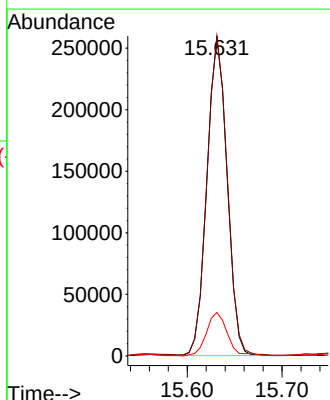
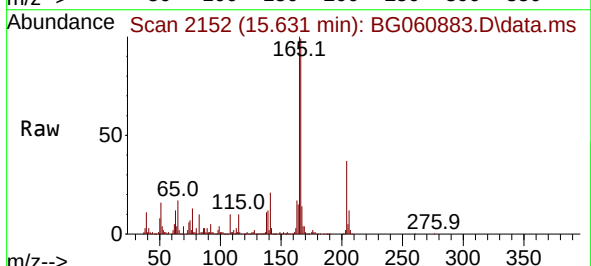
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

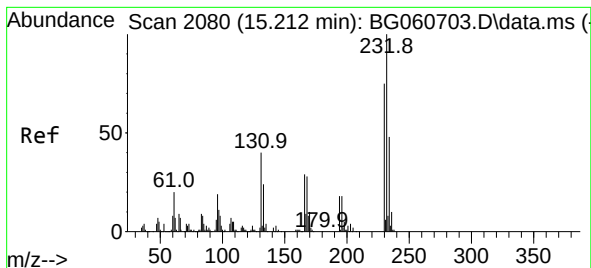


#58  
Fluorene  
Concen: 29.147 ng  
RT: 15.631 min Scan# 2152  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:166 Resp: 383055  
Ion Ratio Lower Upper  
166 100  
165 100.7 81.8 122.8  
167 13.7 10.9 16.3

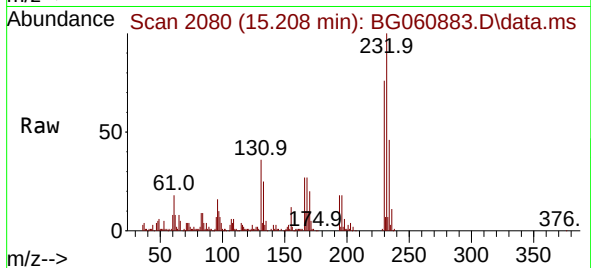






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 25.643 ng  
RT: 15.208 min Scan# 2080  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

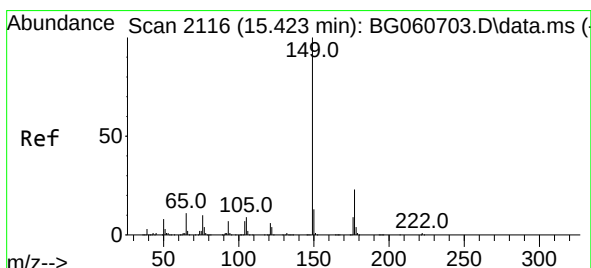
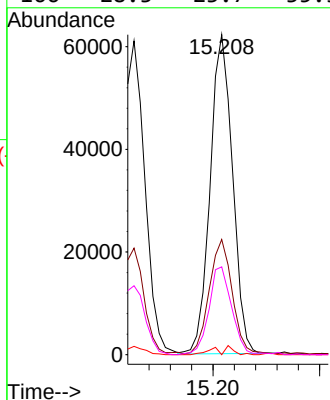
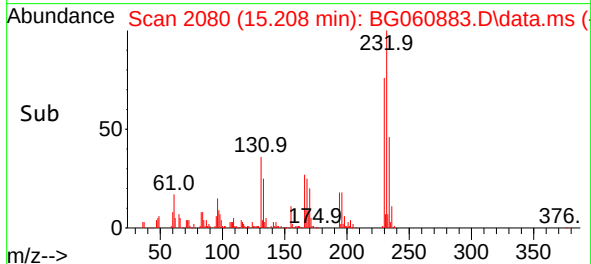
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:232 Resp: 90521  
Ion Ratio Lower Upper  
232 100  
131 36.8 32.2 48.2  
130 1.1 2.1 3.1  
166 28.3 23.7 35.5

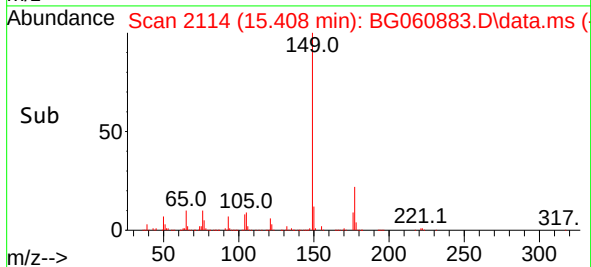
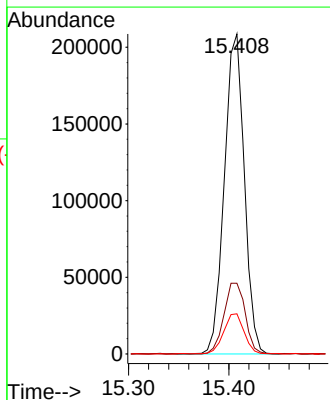
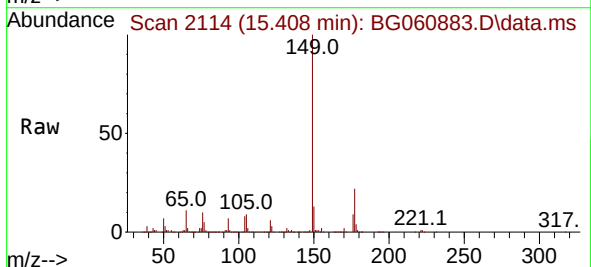
Manual Integrations  
APPROVED

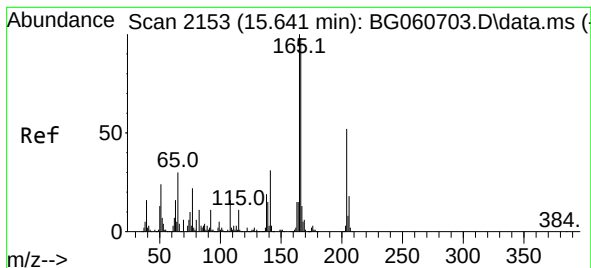
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#60  
Diethylphthalate  
Concen: 19.725 ng  
RT: 15.408 min Scan# 2114  
Delta R.T. -0.015 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

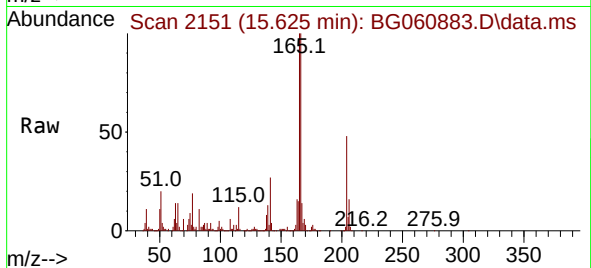
Tgt Ion:149 Resp: 287617  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.0 27.0  
150 12.6 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 21.971 ng  
RT: 15.625 min Scan# 2151  
Delta R.T. -0.016 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

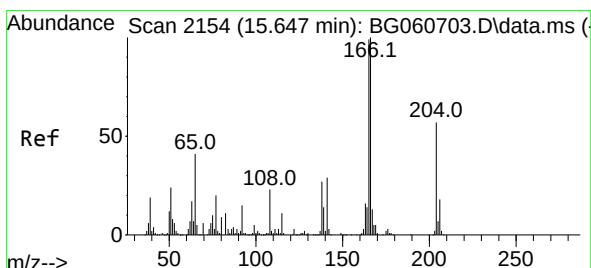
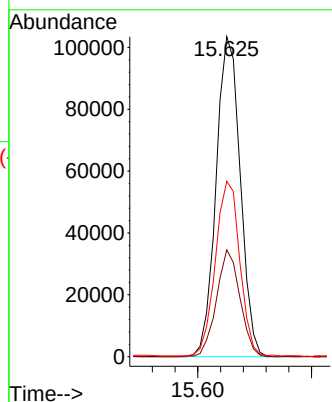
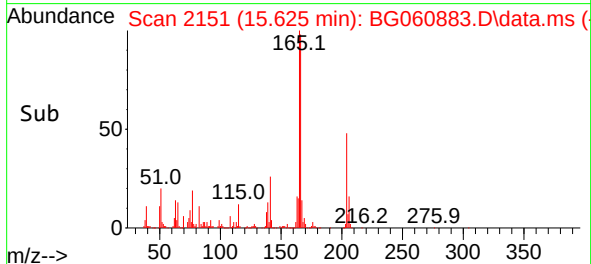
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:204 Resp: 15276  
Ion Ratio Lower Upper  
204 100  
206 33.4 28.3 42.5  
141 54.8 47.2 70.8

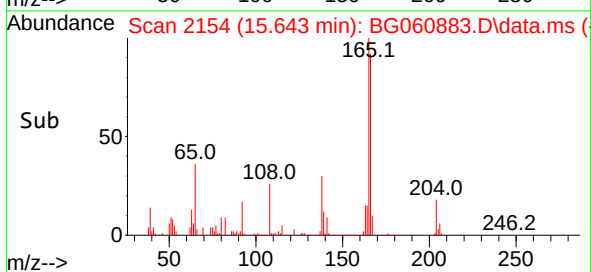
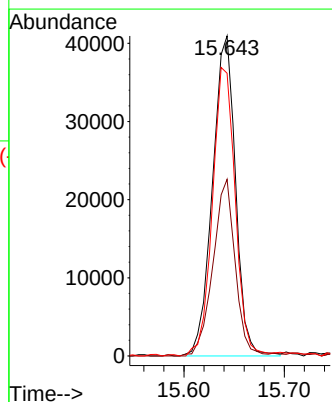
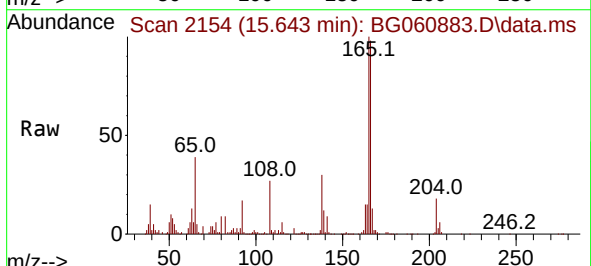
Manual Integrations  
APPROVED

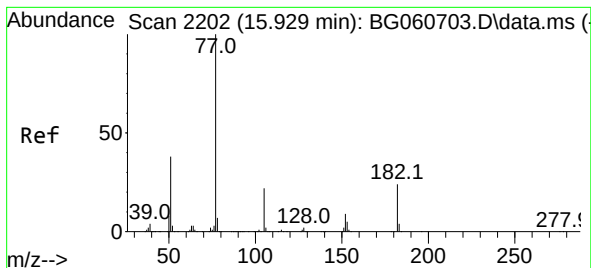
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#62  
4-Nitroaniline  
Concen: 24.635 ng  
RT: 15.643 min Scan# 2154  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:138 Resp: 65281  
Ion Ratio Lower Upper  
138 100  
92 55.2 36.8 76.8  
108 88.4 66.9 106.9





#63

Azobenzene

Concen: 19.519 ng

RT: 15.919 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion: 77 Resp: 277354

Ion Ratio Lower Upper

77 100

182 31.3 3.9 43.9

105 22.1 1.7 41.7

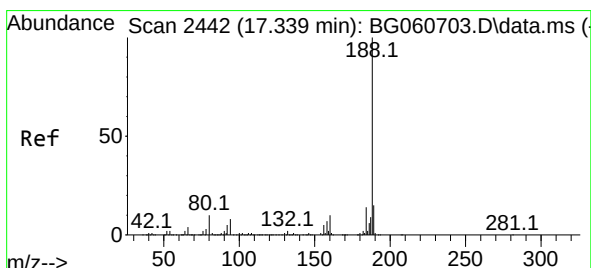
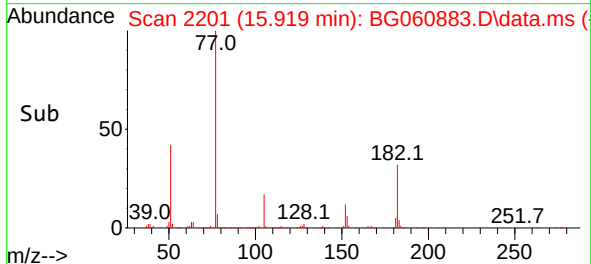
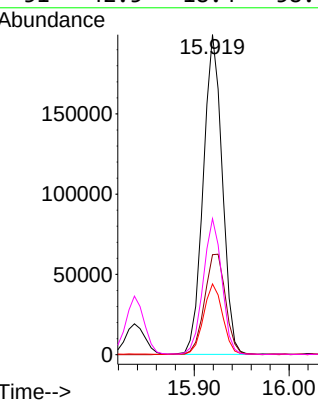
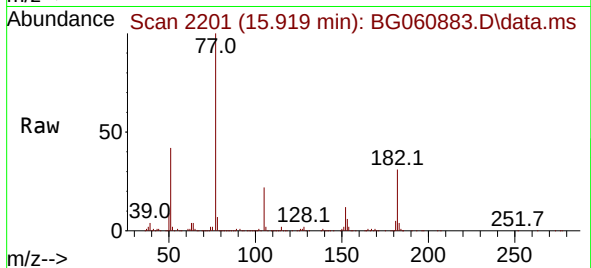
51 42.5 18.4 58.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.329 min Scan# 2441

Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

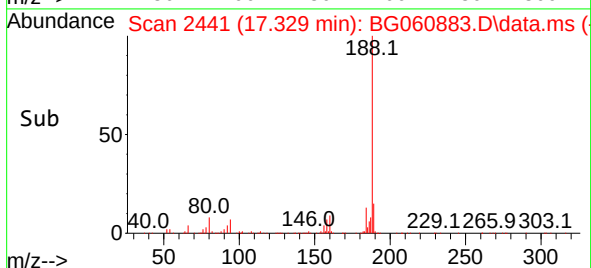
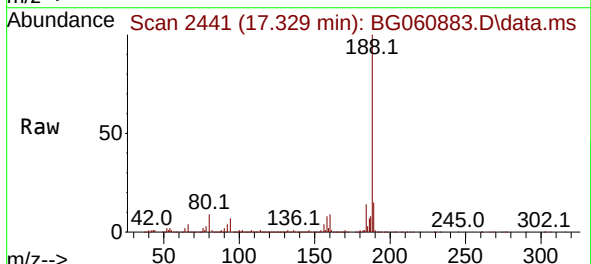
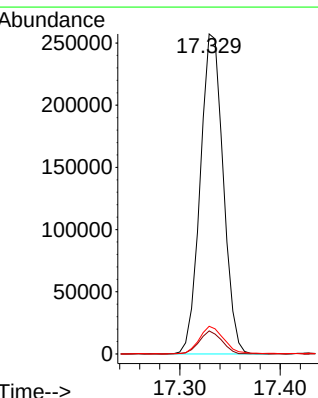
Tgt Ion:188 Resp: 408754

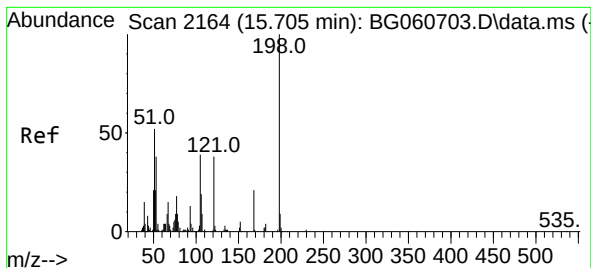
Ion Ratio Lower Upper

188 100

94 7.2 6.6 9.8

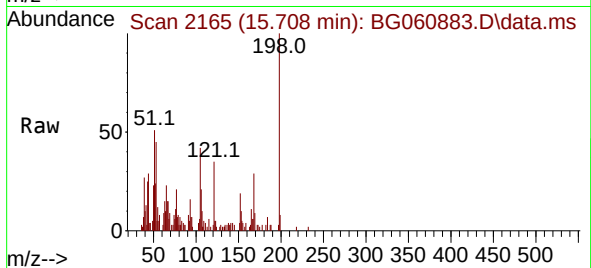
80 8.6 7.6 11.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 11.614 ng  
RT: 15.708 min Scan# 2164  
Delta R.T. 0.003 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

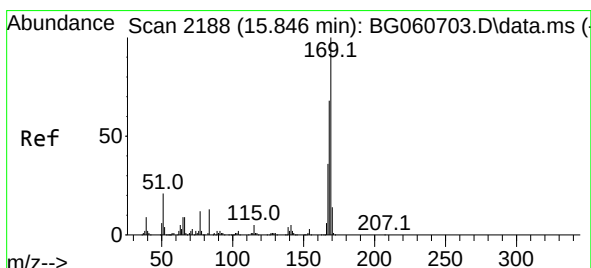
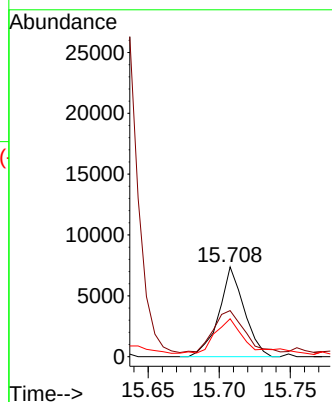
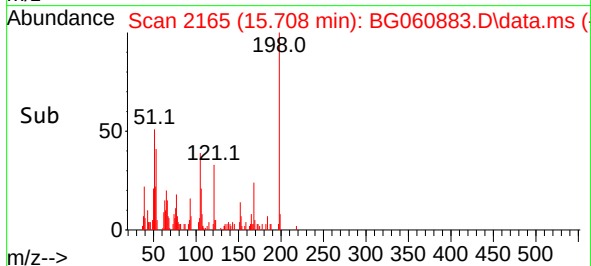
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:198 Resp: 905  
Ion Ratio Lower Upper  
198 100  
51 51.4 36.7 76.7  
105 42.2 19.1 59.1

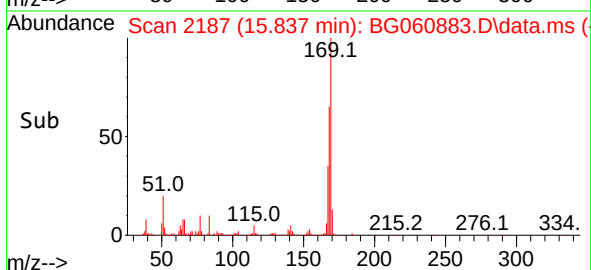
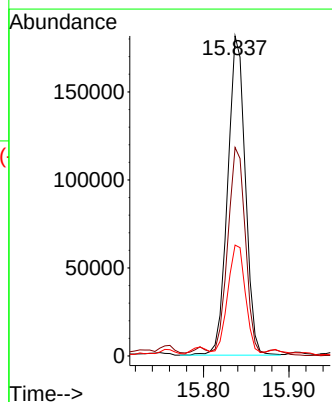
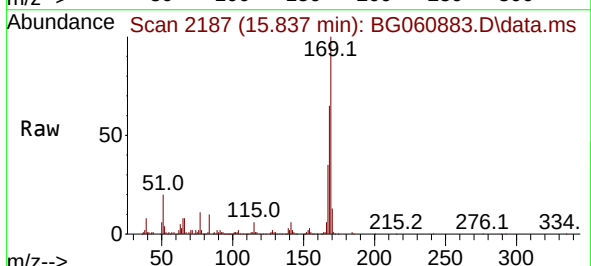
Manual Integrations  
APPROVED

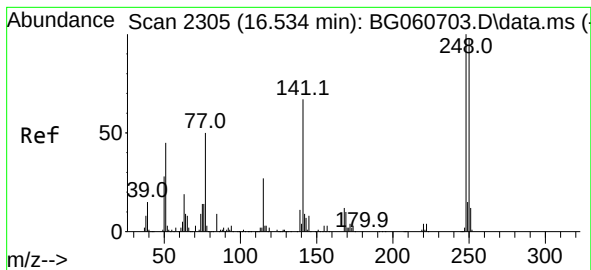
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#66  
n-Nitrosodiphenylamine  
Concen: 22.273 ng  
RT: 15.837 min Scan# 2187  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

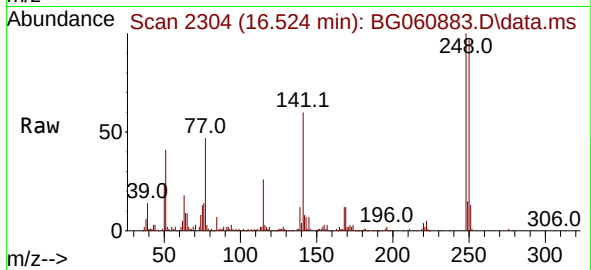
Tgt Ion:169 Resp: 260165  
Ion Ratio Lower Upper  
169 100  
168 65.2 54.5 81.7  
167 34.7 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 24.732 ng  
RT: 16.524 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

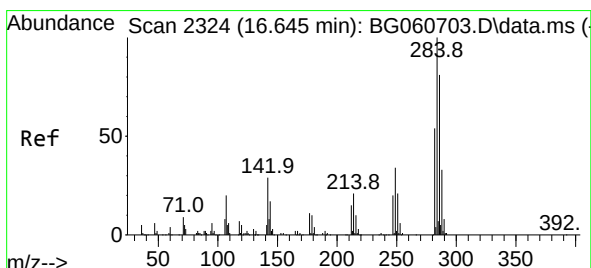
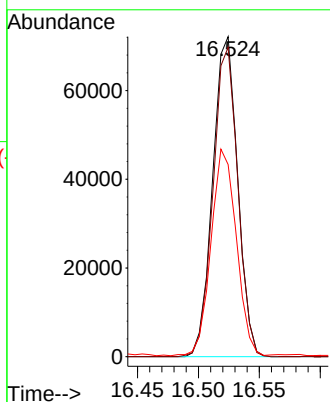
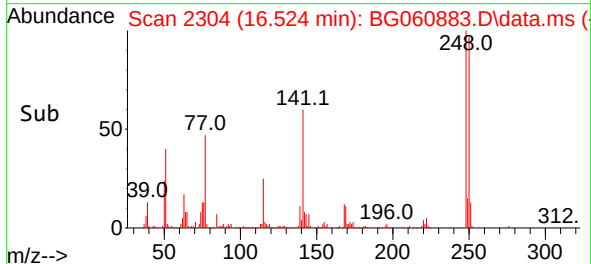
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:248 Resp: 10259  
Ion Ratio Lower Upper  
248 100  
250 96.7 78.3 117.5  
141 60.1 53.7 80.5

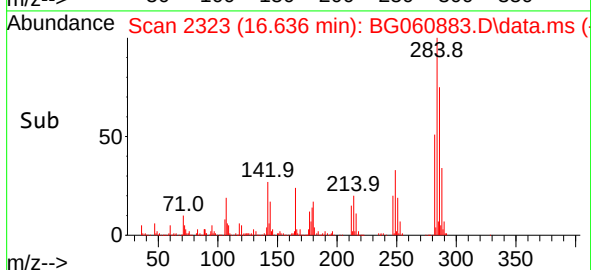
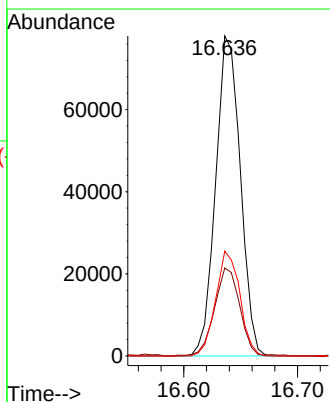
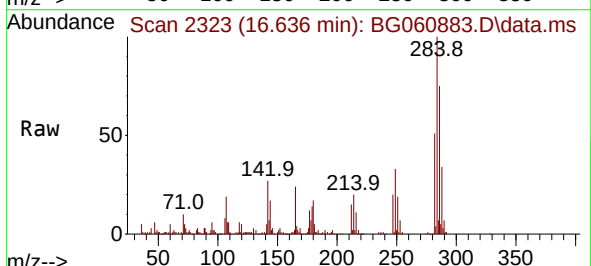
Manual Integrations  
APPROVED

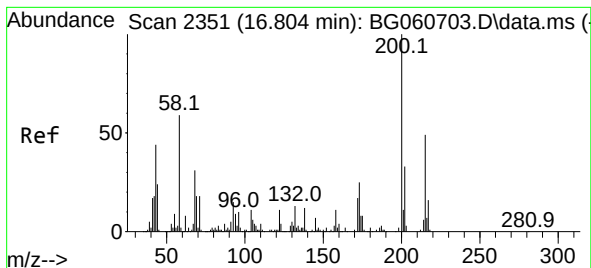
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#68  
Hexachlorobenzene  
Concen: 25.135 ng  
RT: 16.636 min Scan# 2323  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:284 Resp: 117705  
Ion Ratio Lower Upper  
284 100  
142 27.5 22.9 34.3  
249 32.7 27.1 40.7





#69

Atrazine

Concen: 23.744 ng

RT: 16.795 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

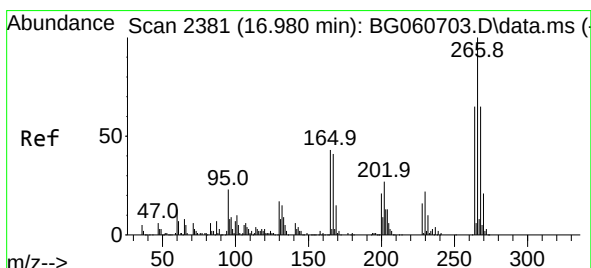
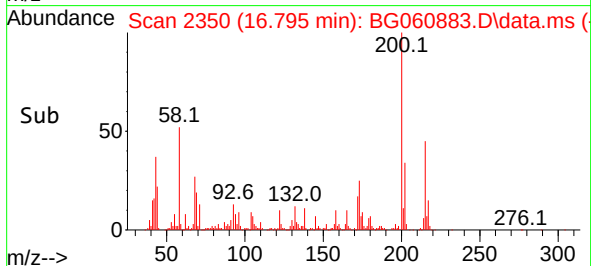
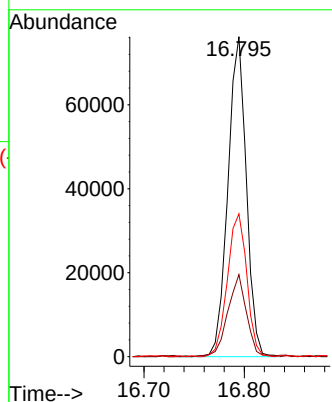
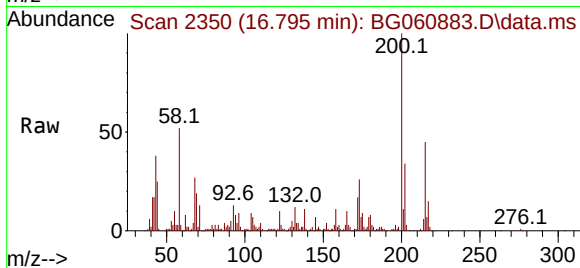
Tgt Ion:200 Resp: 96980  
 Ion Ratio Lower Upper  
 200 100  
 173 25.7 5.2 45.2  
 215 44.7 28.8 68.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#70

Pentachlorophenol

Concen: 50.790 ng

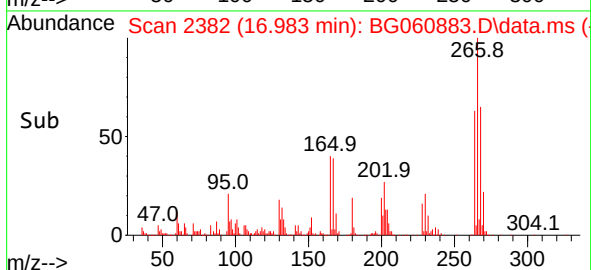
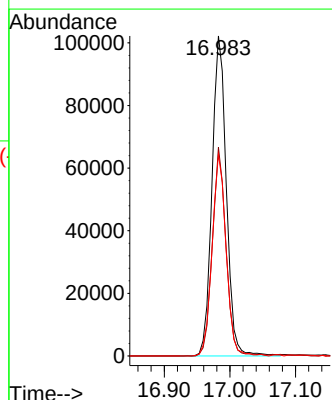
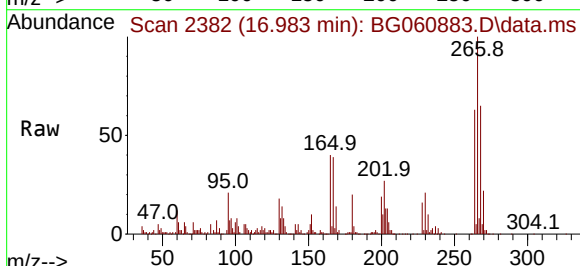
RT: 16.983 min Scan# 2382

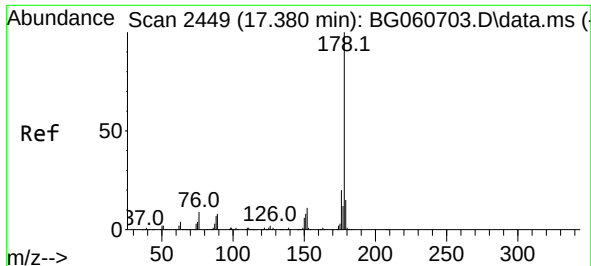
Delta R.T. 0.002 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:266 Resp: 155194  
 Ion Ratio Lower Upper  
 266 100  
 268 65.2 52.2 78.4  
 264 63.0 51.8 77.6





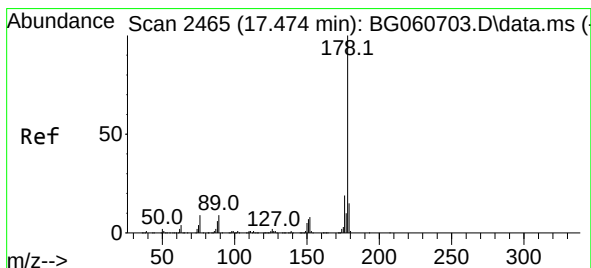
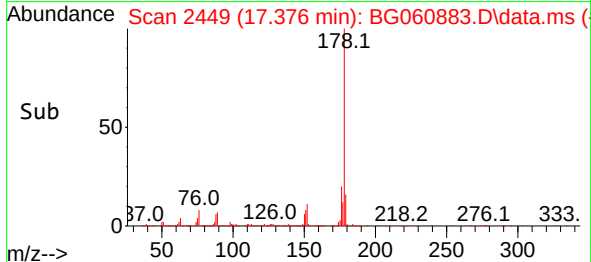
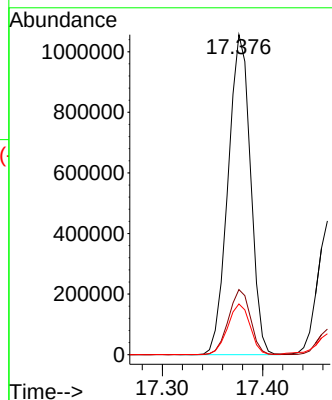
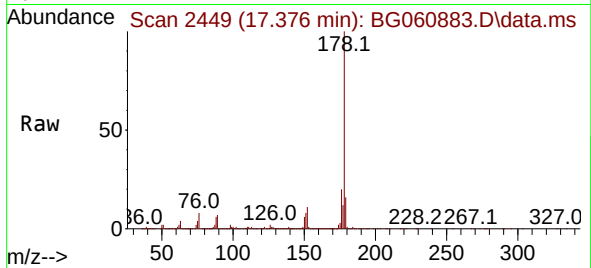
#71  
Phenanthrene  
Concen: 77.061 ng  
RT: 17.376 min Scan# 2449  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion:178 Resp: 1638190  
Ion Ratio Lower Upper  
178 100  
176 20.3 15.8 23.6  
179 15.8 12.2 18.4

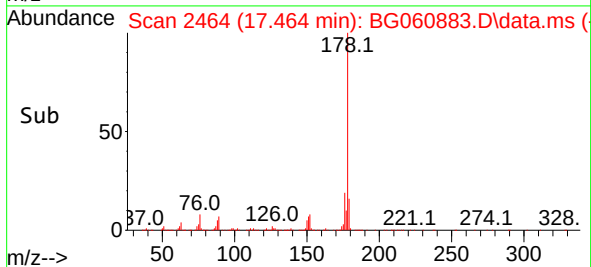
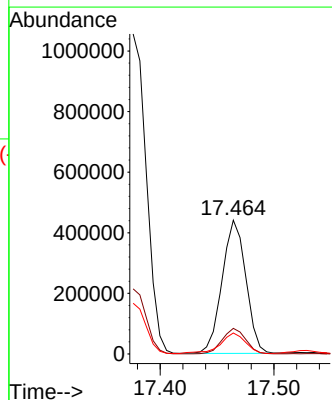
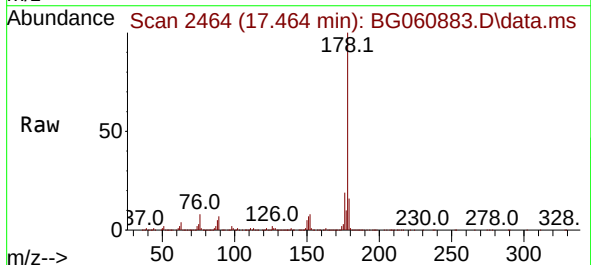
Manual Integrations  
APPROVED

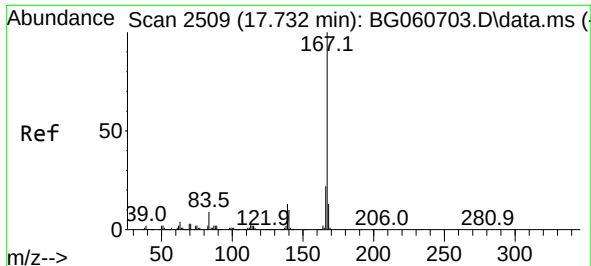
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#72  
Anthracene  
Concen: 29.642 ng  
RT: 17.464 min Scan# 2464  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

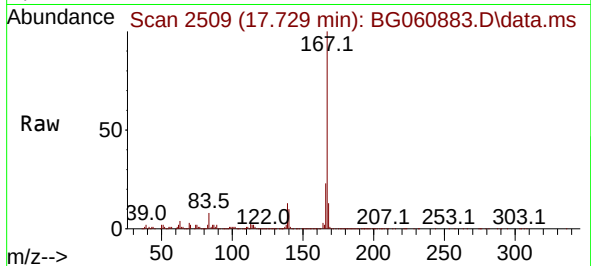
Tgt Ion:178 Resp: 639943  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 15.7 12.2 18.2





#73  
 Carbazole  
 Concen: 24.759 ng  
 RT: 17.729 min Scan# 21  
 Delta R.T. -0.004 min  
 Lab File: BG060883.D  
 Acq: 12 Apr 2024 21:06

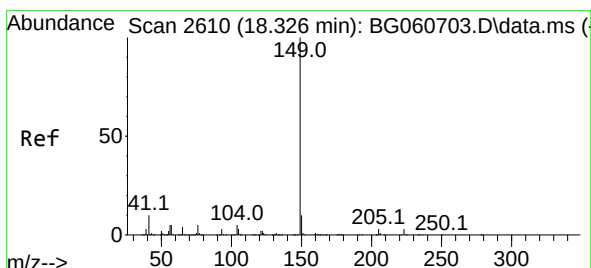
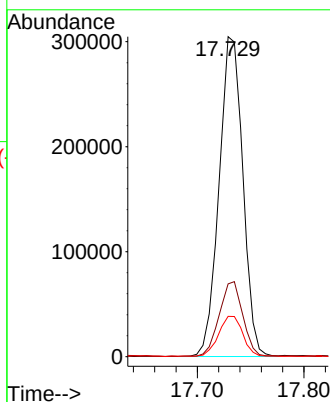
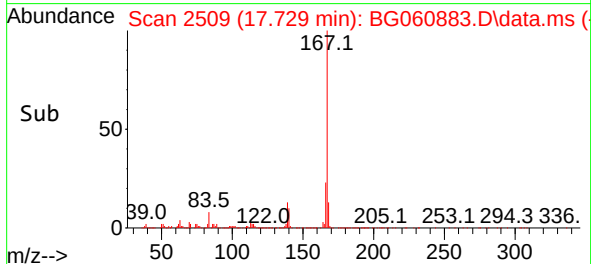
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-04112024MSD



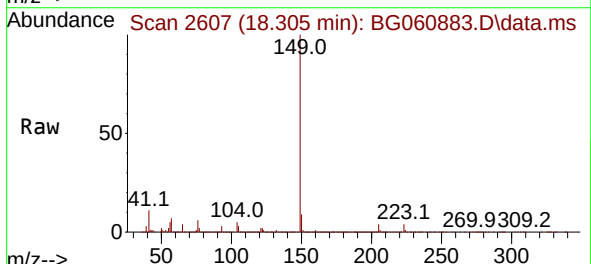
Tgt Ion:167 Resp: 471284  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 18.0 27.0  
 139 12.6 10.5 15.7

Manual Integrations  
 APPROVED

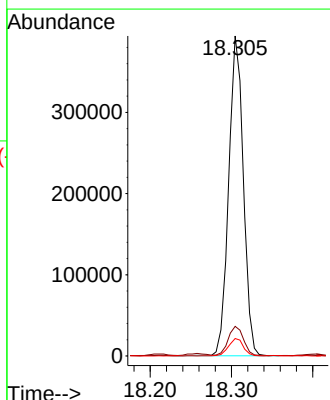
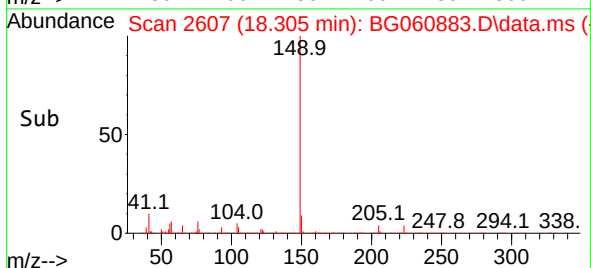
Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/17/2024



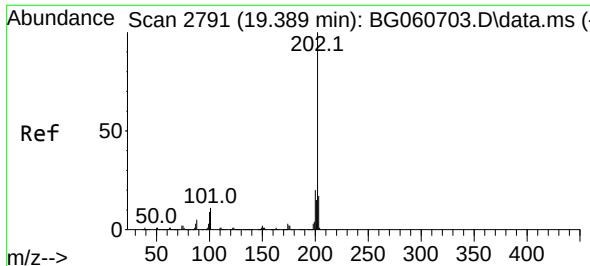
#74  
 Di-n-butylphthalate  
 Concen: 20.751 ng  
 RT: 18.305 min Scan# 2607  
 Delta R.T. -0.021 min  
 Lab File: BG060883.D  
 Acq: 12 Apr 2024 21:06



Tgt Ion:149 Resp: 492455  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.7 11.5  
 104 5.5 4.2 6.4

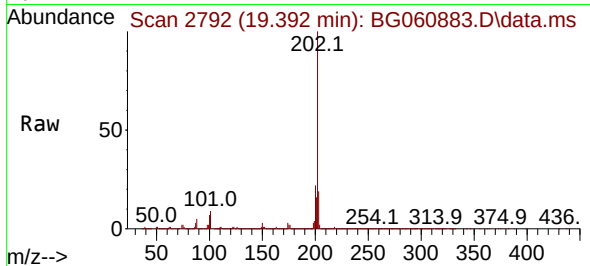






#75  
Fluoranthene  
Concen: 83.200 ng  
RT: 19.392 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

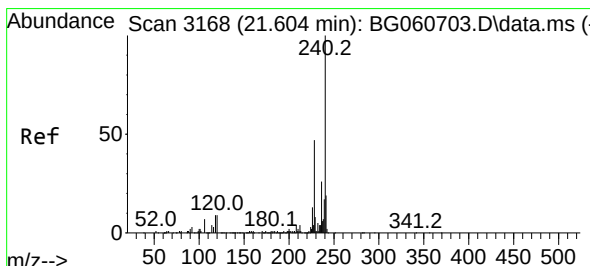
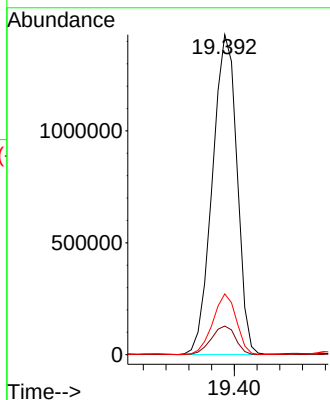
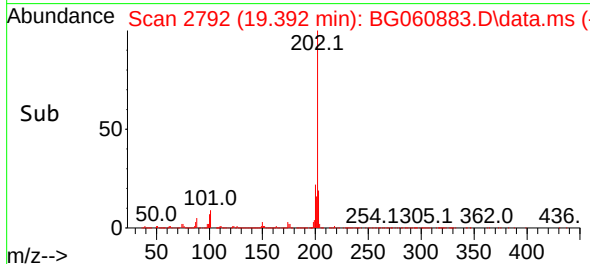
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:202 Resp: 214621  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 30.8  
203 19.0 0.0 37.4

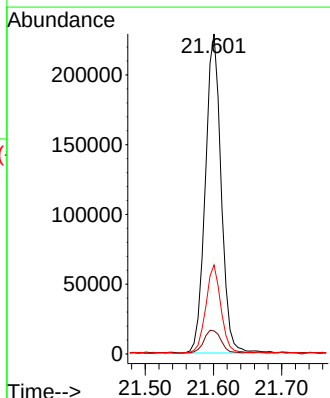
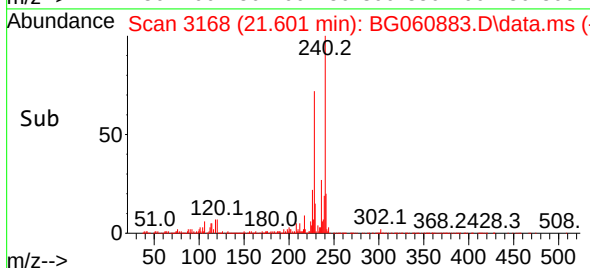
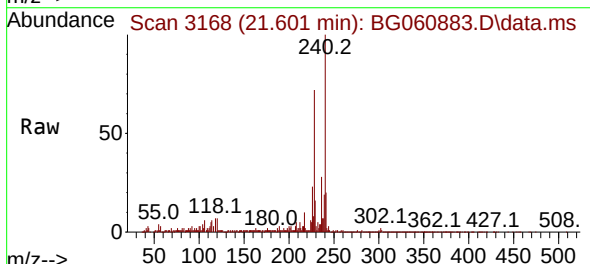
Manual Integrations  
APPROVED

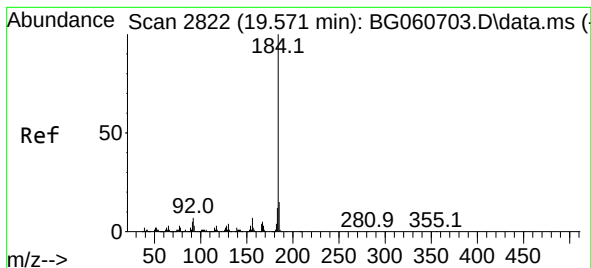
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.601 min Scan# 3168  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:240 Resp: 368815  
Ion Ratio Lower Upper  
240 100  
120 7.2 7.1 10.7  
236 27.8 20.7 31.1





#77

Benzidine

Concen: 5.617 ng

RT: 19.568 min Scan# 2822

Delta R.T. -0.004 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

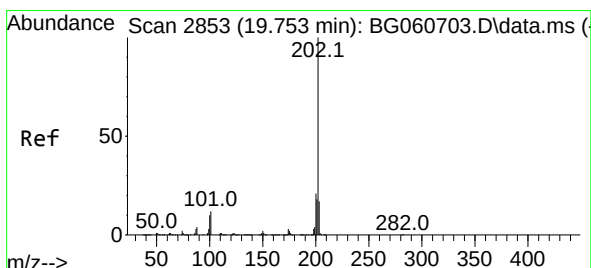
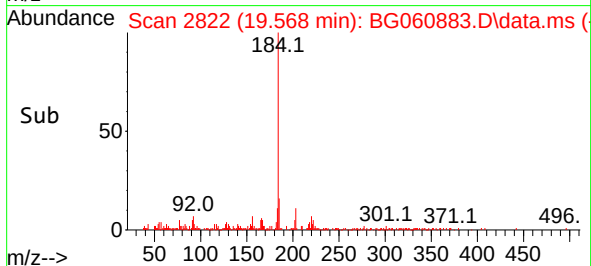
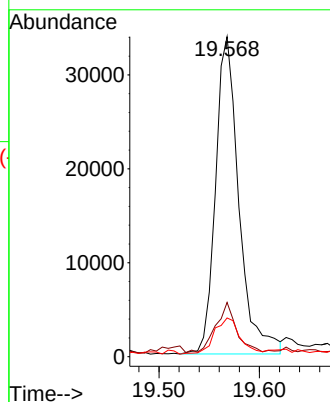
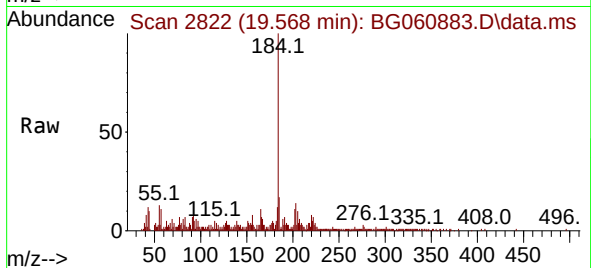
TR-05-04112024MSD

Tgt Ion:184 Resp: 54550  
 Ion Ratio Lower Upper  
 184 100  
 185 16.9 11.8 17.6  
 183 12.1 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
 Supervised By :mohammad ahmed 04/17/2024



#78

Pyrene

Concen: 78.971 ng

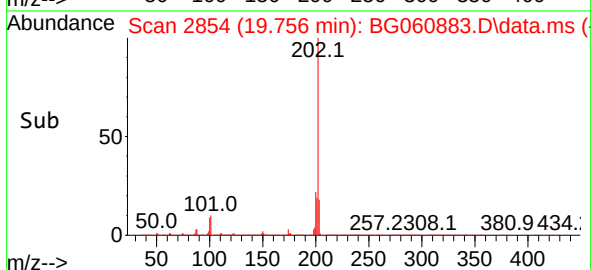
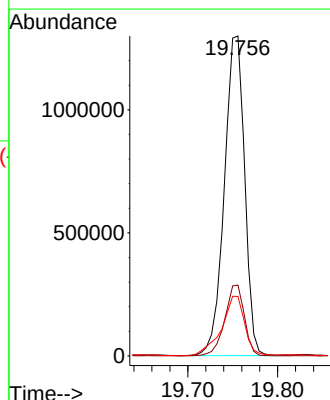
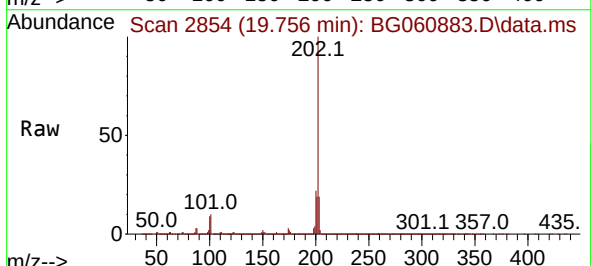
RT: 19.756 min Scan# 2854

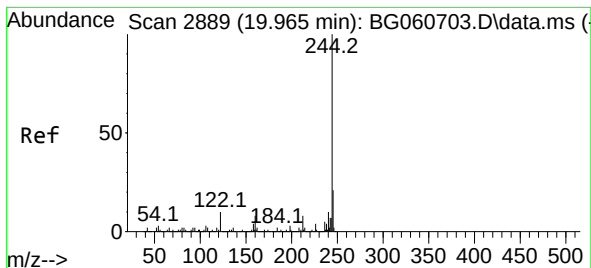
Delta R.T. 0.002 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:202 Resp: 2036995  
 Ion Ratio Lower Upper  
 202 100  
 200 22.2 17.0 25.4  
 203 18.6 14.0 21.0





#79

Terphenyl-d14

Concen: 29.129 ng

RT: 19.950 min Scan# 2

Delta R.T. -0.015 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion:244 Resp: 610129

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

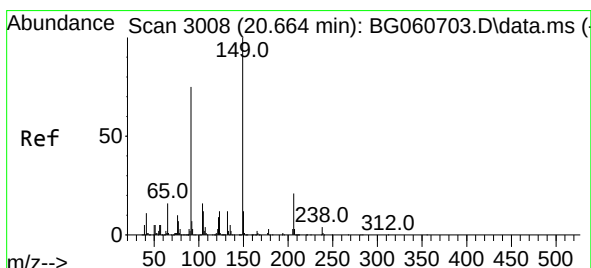
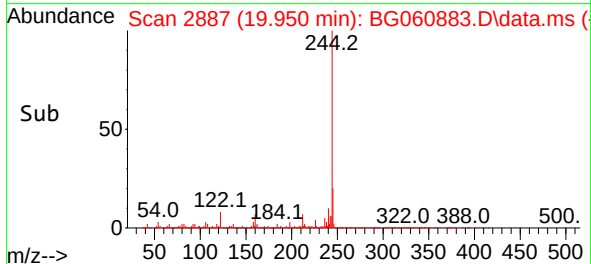
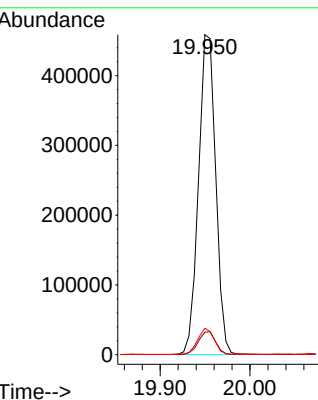
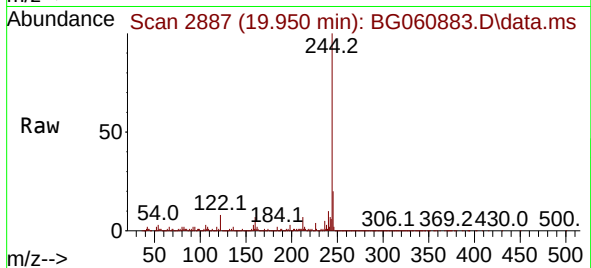
122 8.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#80

Butylbenzylphthalate

Concen: 23.004 ng

RT: 20.649 min Scan# 3006

Delta R.T. -0.015 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

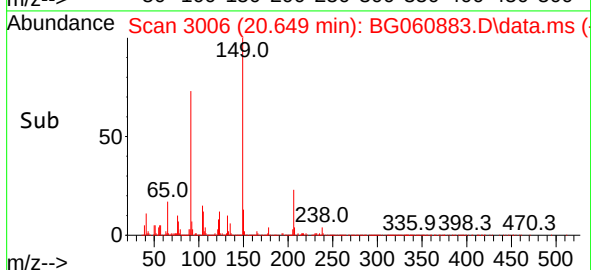
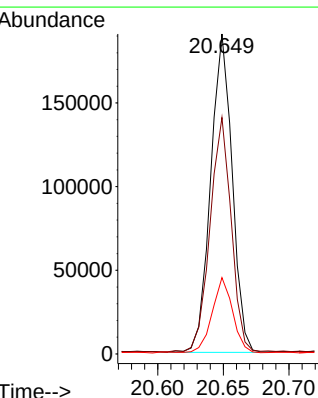
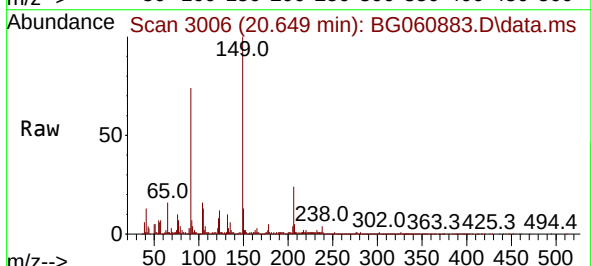
Tgt Ion:149 Resp: 216453

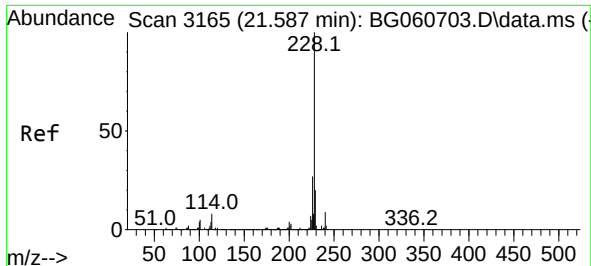
Ion Ratio Lower Upper

149 100

91 73.9 60.1 90.1

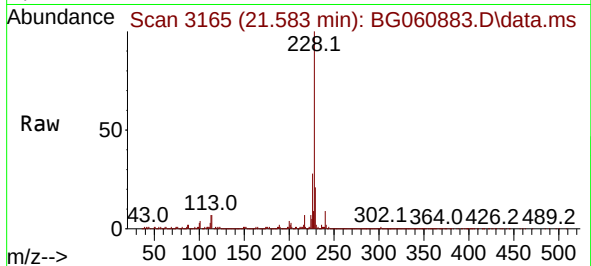
206 23.9 16.8 25.2





#81  
Benzo(a)anthracene  
Concen: 49.055 ng  
RT: 21.583 min Scan# 3165  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

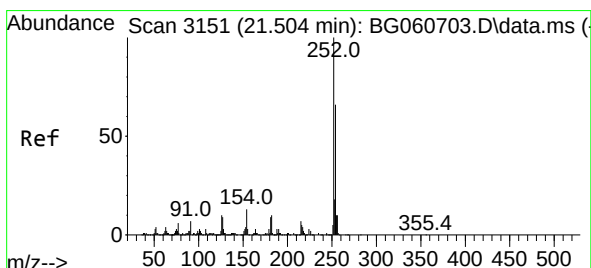
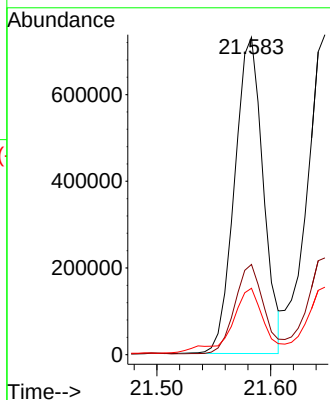
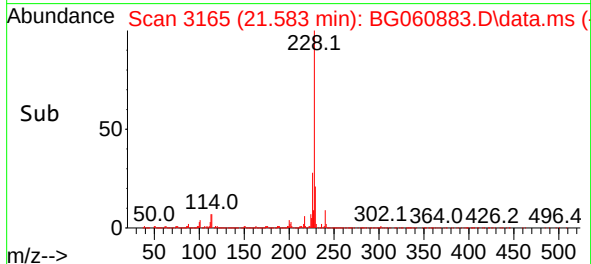
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:228 Resp: 1275298  
Ion Ratio Lower Upper  
228 100  
226 28.4 21.7 32.5  
229 20.9 15.8 23.8

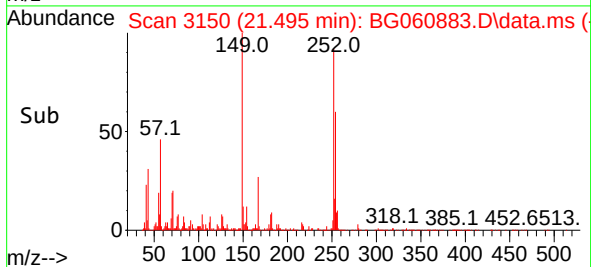
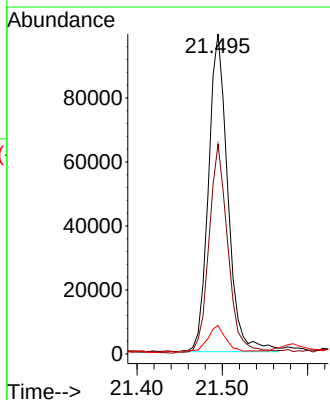
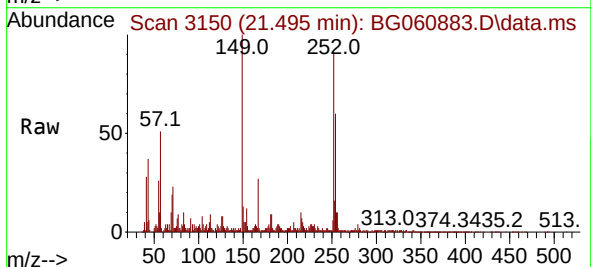
Manual Integrations  
APPROVED

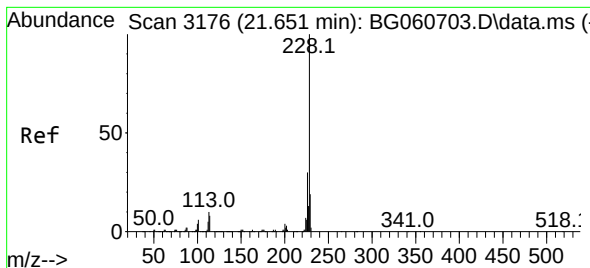
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 17.839 ng  
RT: 21.495 min Scan# 3150  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:252 Resp: 156591  
Ion Ratio Lower Upper  
252 100  
254 65.6 52.6 78.8  
126 8.9 7.8 11.8





#83

Chrysene

Concen: 52.545 ng m

RT: 21.648 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion:228 Resp: 131666

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

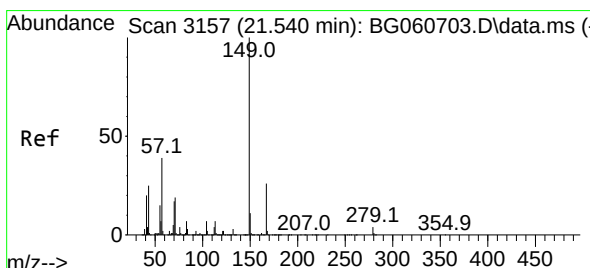
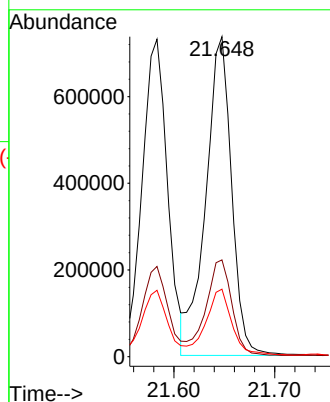
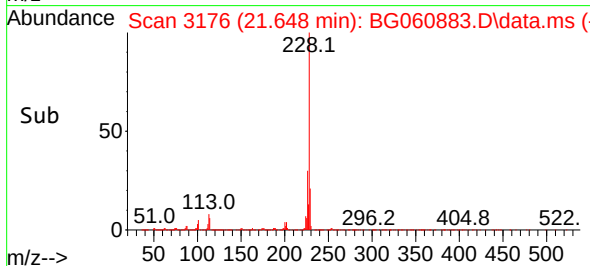
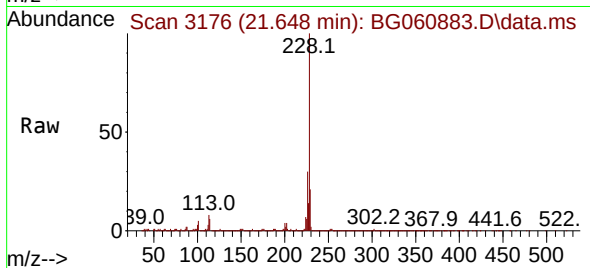
229 21.1 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 65.335 ng

RT: 21.513 min Scan# 3153

Delta R.T. -0.027 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

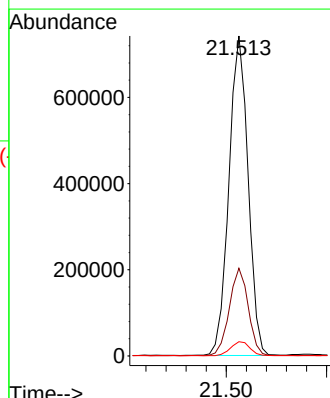
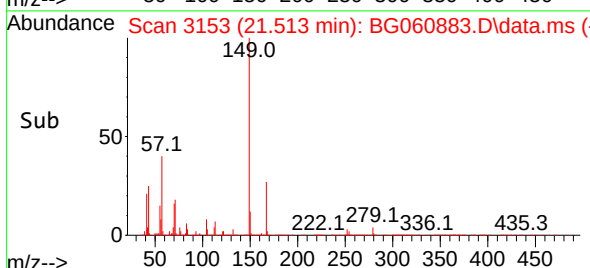
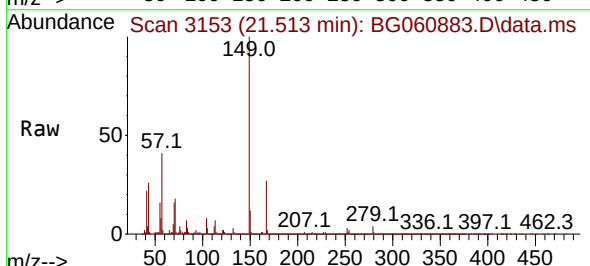
Tgt Ion:149 Resp: 979852

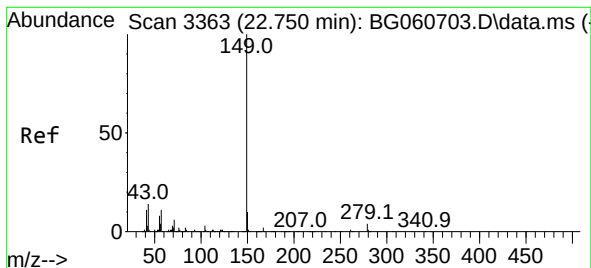
Ion Ratio Lower Upper

149 100

167 27.4 20.6 30.8

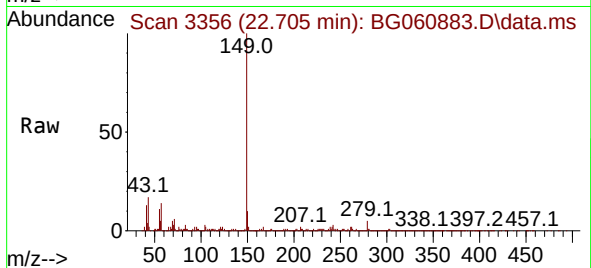
279 4.5 3.0 4.4#





#85  
Di-n-octyl phthalate  
Concen: 22.512 ng  
RT: 22.705 min Scan# 31  
Delta R.T. -0.045 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

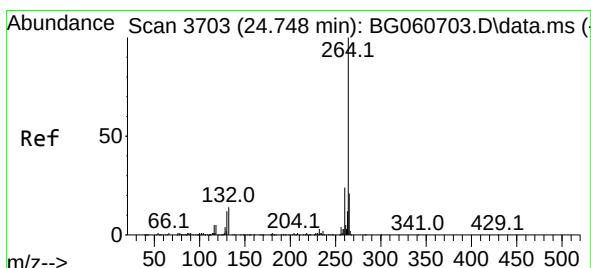
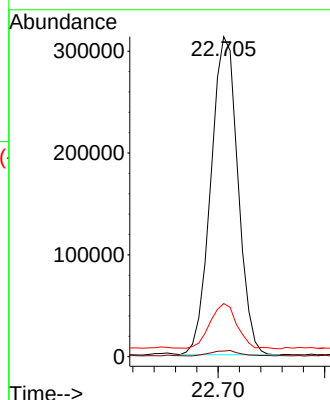
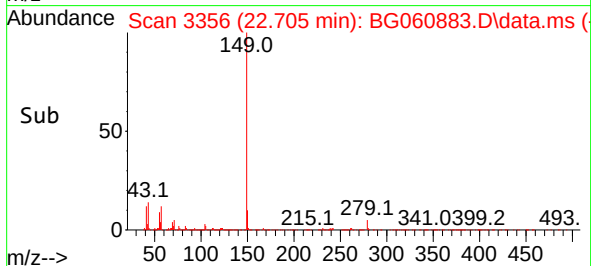
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD



Tgt Ion:149 Resp: 55001  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.2 1.8  
43 14.4 11.3 16.9

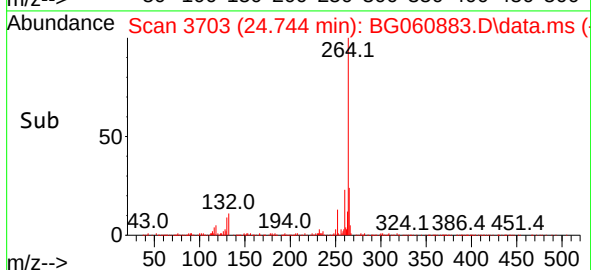
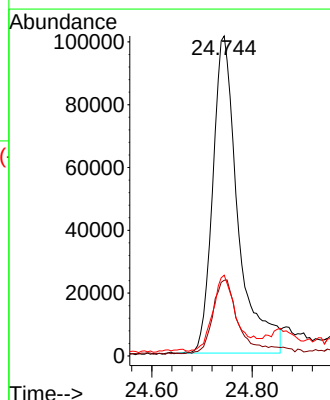
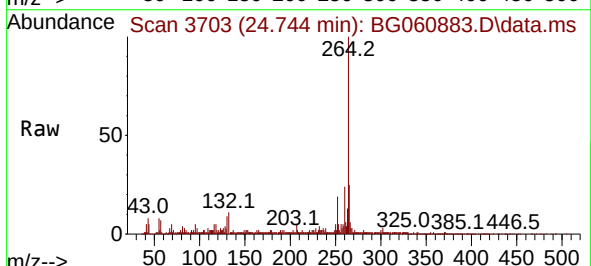
Manual Integrations  
APPROVED

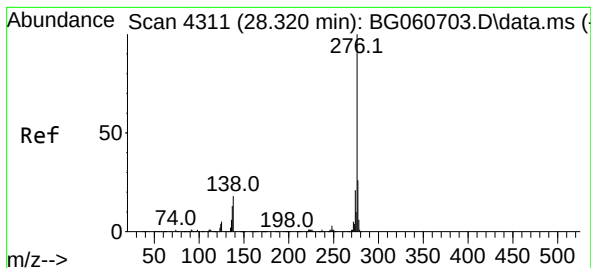
Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.744 min Scan# 3703  
Delta R.T. -0.004 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:264 Resp: 352809  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.5 29.3  
265 25.3 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.236 ng m

RT: 28.322 min Scan# 4311

Delta R.T. 0.002 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNA\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion:276 Resp: 626998

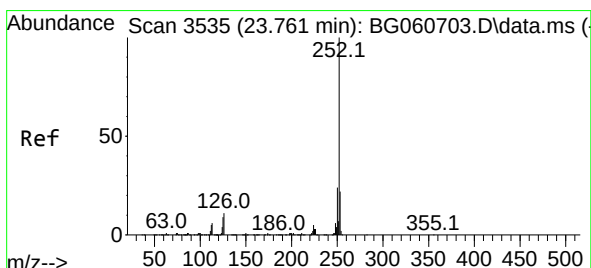
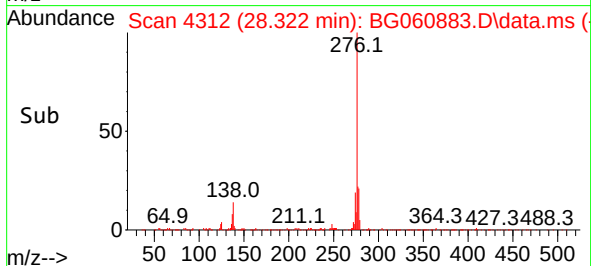
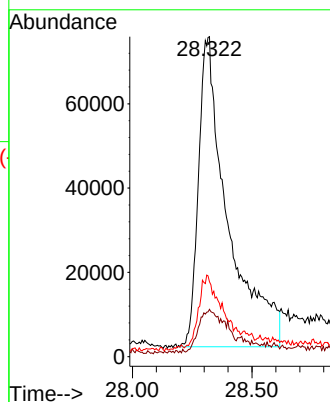
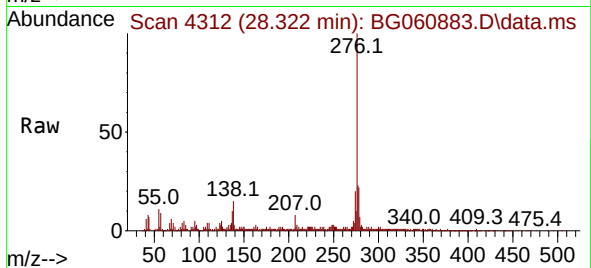
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 12.3  | 12.4  | 18.6  |
| 277 | 18.7  | 20.2  | 30.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#88

Benzo(b)fluoranthene

Concen: 54.513 ng

RT: 23.757 min Scan# 3535

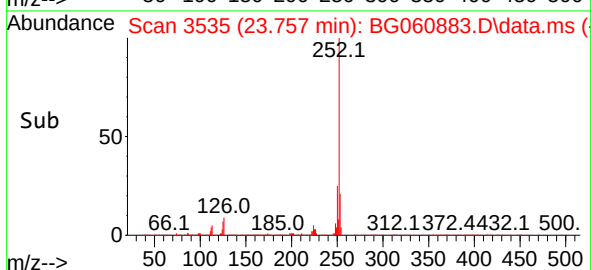
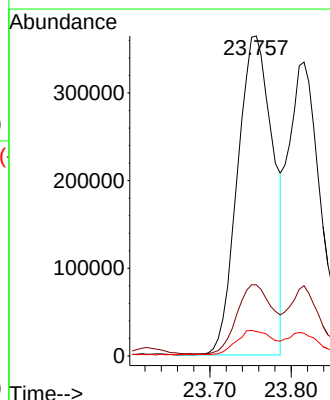
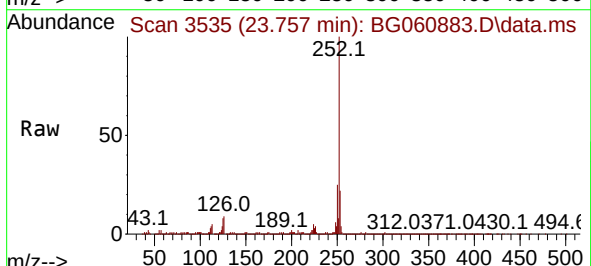
Delta R.T. -0.004 min

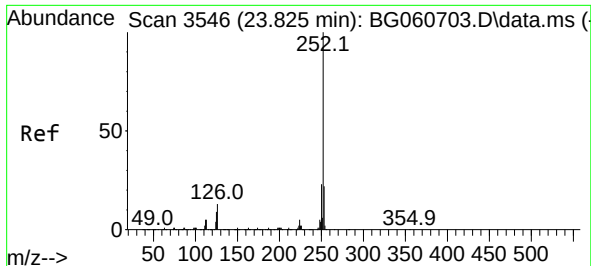
Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:252 Resp: 1104903

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.2  | 17.8  | 26.8  |
| 125 | 7.6   | 7.1   | 10.7  |





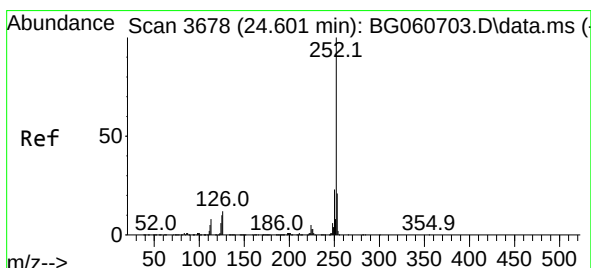
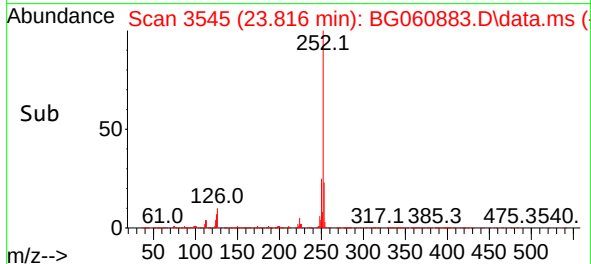
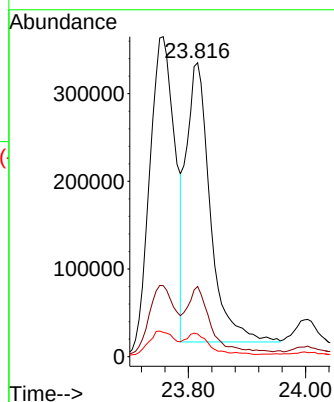
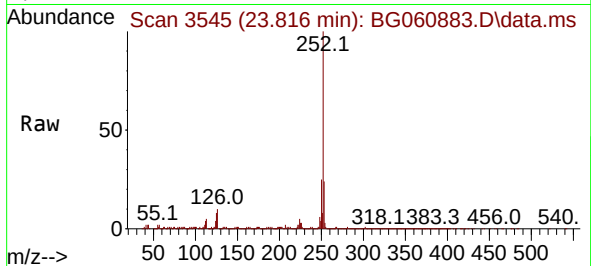
#89  
Benzo(k)fluoranthene  
Concen: 43.703 ng m  
RT: 23.816 min Scan# 3545  
Delta R.T. -0.009 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-04112024MSD

Tgt Ion:252 Resp: 90666  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.6 26.4  
125 7.7 7.5 11.3

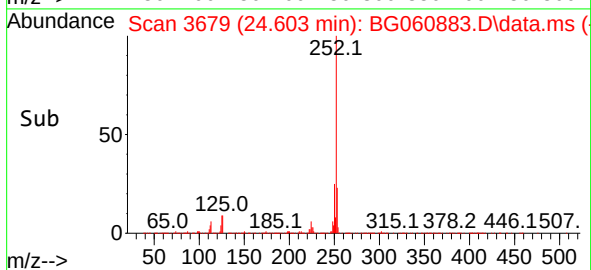
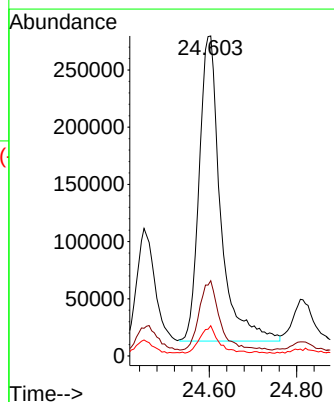
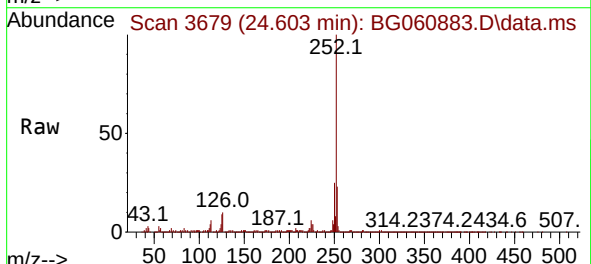
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/16/2024  
Supervised By :mohammad ahmed 04/17/2024

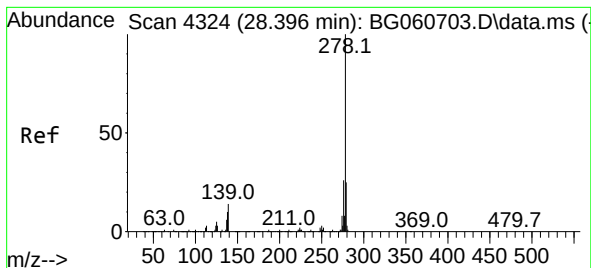


#90  
Benzo(a)pyrene  
Concen: 45.716 ng m  
RT: 24.603 min Scan# 3679  
Delta R.T. 0.002 min  
Lab File: BG060883.D  
Acq: 12 Apr 2024 21:06

Tgt Ion:252 Resp: 900473  
Ion Ratio Lower Upper  
252 100  
253 23.5 16.8 25.2  
125 9.5 7.6 11.4







#91

Dibenzo(a,h)anthracene

Concen: 18.825 ng m

RT: 28.381 min Scan# 41

Delta R.T. -0.015 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Instrument :

BNL\_G

ClientSampleId :

TR-05-04112024MSD

Tgt Ion:278 Resp: 394262

Ion Ratio Lower Upper

278 100

139 10.5 11.1 16.7

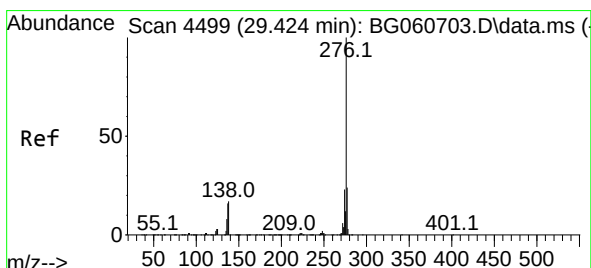
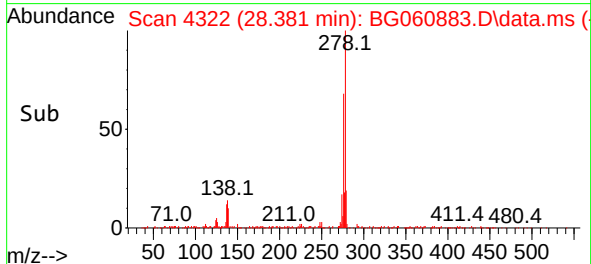
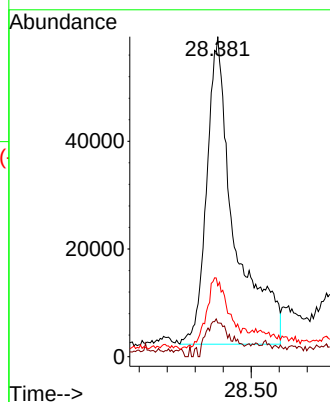
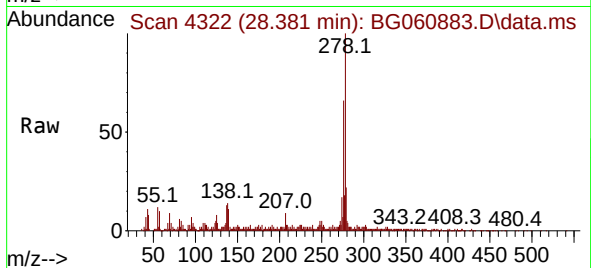
279 22.2 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#92

Benzo(g,h,i)perylene

Concen: 20.608 ng m

RT: 29.427 min Scan# 4500

Delta R.T. 0.002 min

Lab File: BG060883.D

Acq: 12 Apr 2024 21:06

Tgt Ion:276 Resp: 419861

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 13.0 14.0 21.0

