

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041824\  
 Data File : BG060935.D  
 Acq On : 18 Apr 2024 13:58  
 Operator : MA/JU  
 Sample : P2150-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ARCOLA-SP-1MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024  
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 18 14:46:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG041724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 02:02:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.941  | 152  | 57146    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.738 | 136  | 231797   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.568 | 164  | 188364   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.318 | 188  | 442196   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.578 | 240  | 421245   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.698 | 264  | 501204   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.526  | 112  | 346962   | 105.461 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 511071   | 107.833 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.092  | 82   | 331433   | 64.912  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.061 | 330  | 281672   | 90.516  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.194 | 172  | 818227   | 63.744  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.939 | 244  | 1474143  | 61.074  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.446  | 88   | 52502    | 39.476  | ng    | 97       |
| 3) Pyridine                   | 3.834  | 79   | 138577   | 32.750  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.752  | 42   | 107067   | 39.652  | ng    | 98       |
| 6) Aniline                    | 7.265  | 93   | 101093   | 17.507  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.506  | 128  | 176048   | 47.036  | ng    | 97       |
| 9) Benzaldehyde               | 7.077  | 77   | 9656     | 3.794   | ng    | 97       |
| 10) Phenol                    | 7.136  | 94   | 232664   | 48.983  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.365  | 93   | 157885   | 42.853  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.829  | 146  | 178021   | 44.765  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.976  | 146  | 182914   | 44.929  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.293  | 146  | 176278   | 44.527  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.176  | 79   | 173100   | 42.457  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.458  | 45   | 376720   | 42.309  | ng    | 100      |
| 17) 2-Methylphenol            | 8.382  | 107  | 156818   | 41.784  | ng    | 96       |
| 18) Hexachloroethane          | 9.022  | 117  | 64521    | 44.631  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.746  | 70   | 144648   | 40.068  | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.711  | 107  | 219872   | 42.229  | ng    | 98       |
| 22) Acetophenone              | 8.758  | 105  | 275124   | 41.679  | ng    | # 99     |
| 24) Nitrobenzene              | 9.139  | 77   | 205047   | 40.919  | ng    | 99       |
| 25) Isophorone                | 9.662  | 82   | 382625   | 40.608  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.845  | 139  | 95670    | 45.445  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.909  | 122  | 134162   | 36.171  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.144 | 93   | 223638   | 42.210  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.385 | 162  | 178439   | 44.341  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.597 | 180  | 186443   | 43.221  | ng    | 98       |
| 31) Naphthalene               | 10.785 | 128  | 539294   | 43.019  | ng    | 99       |
| 32) Benzoic acid              | 10.050 | 122  | 136035   | 45.309  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.890 | 127  | 48933    | 8.329   | ng    | 94       |
| 34) Hexachlorobutadiene       | 11.078 | 225  | 134497   | 43.859  | ng    | 94       |
| 35) Caprolactam               | 11.660 | 113  | 60943m   | 41.045  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.018 | 107  | 206189   | 42.392  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.395 | 142  | 386443   | 40.748  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.612 | 142  | 365816   | 40.859  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.759 | 216  | 257437   | 44.290  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.747 | 237  | 286590   | 96.425  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.000 | 196  | 179000   | 44.285  | ng    | 98       |

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Manual Integrations  
 APPROVED

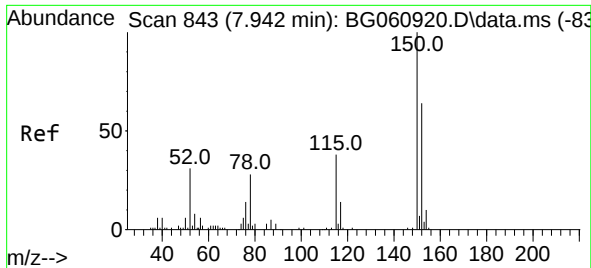
Reviewed By :Yogesh Patel 04/22/2024  
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 18 14:46:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG041724.M  
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 QLast Update : Thu Apr 18 02:02:19 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.076 | 196  | 203353   | 41.718 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.405 | 154  | 566121   | 44.202 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.446 | 162  | 449652   | 45.871 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.640 | 65   | 169379   | 42.107 | ng    | 97       |
| 49) Acenaphthylene            | 14.292 | 152  | 753558   | 45.461 | ng    | 99       |
| 50) Dimethylphthalate         | 14.028 | 163  | 609752   | 40.793 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.140 | 165  | 127844   | 41.964 | ng    | 98       |
| 52) Acenaphthene              | 14.633 | 154  | 439786   | 43.747 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.469 | 138  | 57763    | 17.272 | ng #  | 95       |
| 54) 2,4-Dinitrophenol         | 14.674 | 184  | 166529   | 85.186 | ng    | 92       |
| 55) Dibenzofuran              | 14.968 | 168  | 710526   | 41.840 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.786 | 139  | 225300   | 87.991 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.927 | 165  | 187184   | 42.997 | ng    | 96       |
| 58) Fluorene                  | 15.620 | 166  | 589389   | 41.842 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.197 | 232  | 189811   | 42.388 | ng    | 98       |
| 60) Diethylphthalate          | 15.397 | 149  | 594568   | 39.713 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.614 | 204  | 311331   | 39.872 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.638 | 138  | 132310   | 36.796 | ng    | 95       |
| 63) Azobenzene                | 15.908 | 77   | 574452   | 40.711 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.697 | 198  | 116867   | 47.371 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.826 | 169  | 533953   | 43.987 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.507 | 248  | 214943   | 43.391 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.625 | 284  | 249241   | 46.240 | ng    | 99       |
| 69) Atrazine                  | 16.778 | 200  | 208132   | 47.708 | ng    | 96       |
| 70) Pentachlorophenol         | 16.966 | 266  | 336072   | 92.064 | ng    | 96       |
| 71) Phenanthrene              | 17.359 | 178  | 1194084  | 53.349 | ng    | 98       |
| 72) Anthracene                | 17.453 | 178  | 1029733  | 44.788 | ng    | 98       |
| 73) Carbazole                 | 17.718 | 167  | 886869   | 44.274 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.293 | 149  | 1042338  | 43.222 | ng    | 99       |
| 75) Fluoranthene              | 19.375 | 202  | 1534116  | 53.849 | ng    | 100      |
| 77) Benzidine                 | 19.551 | 184  | 365211   | 39.306 | ng    | 99       |
| 78) Pyrene                    | 19.733 | 202  | 1525896  | 52.805 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.632 | 149  | 455147   | 42.883 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.560 | 228  | 1452623  | 48.834 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.472 | 252  | 235422   | 22.225 | ng    | 100      |
| 83) Chrysene                  | 21.625 | 228  | 1379334  | 48.566 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.490 | 149  | 682858   | 43.509 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.677 | 149  | 1188165  | 43.876 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.247 | 276  | 1686886  | 48.671 | ng #  | 96       |
| 88) Benzo(b)fluoranthene      | 23.717 | 252  | 1446487  | 51.009 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.781 | 252  | 1363947  | 47.016 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.557 | 252  | 1323952  | 47.354 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.311 | 278  | 1299729  | 45.558 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.345 | 276  | 1301591  | 46.666 | ng    | 97       |

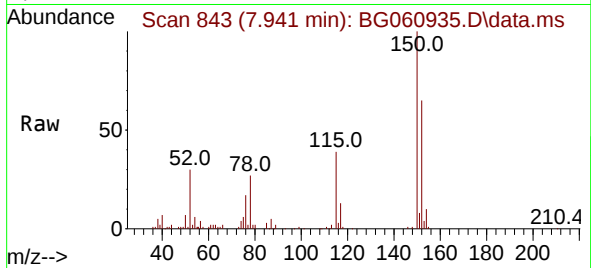
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.941 min Scan# 84  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

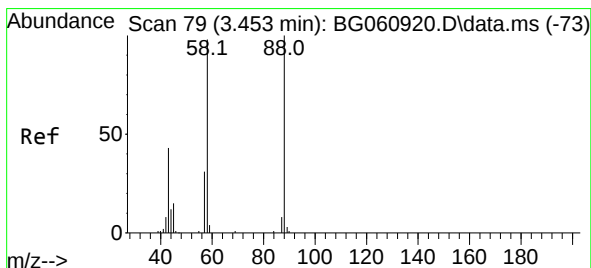
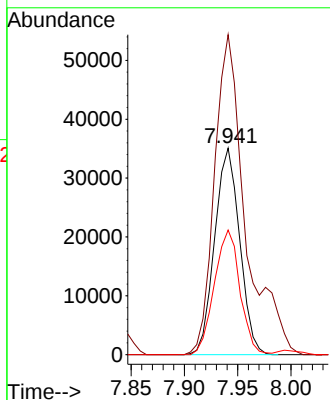
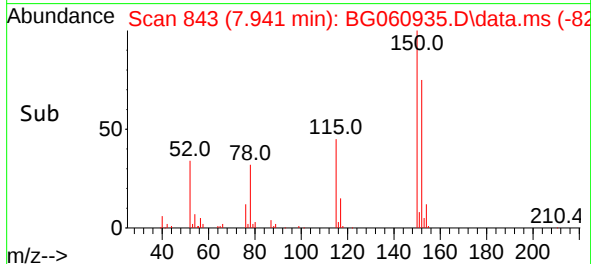
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion: 152 Resp: 57140  
Ion Ratio Lower Upper  
152 100  
150 154.9 125.6 188.4  
115 60.4 47.1 70.7

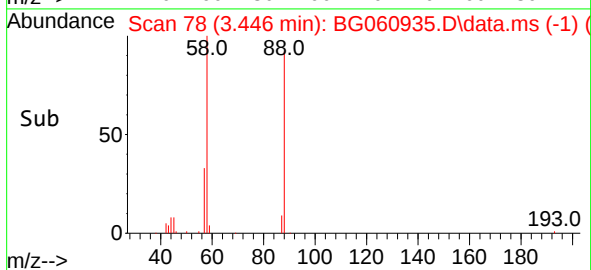
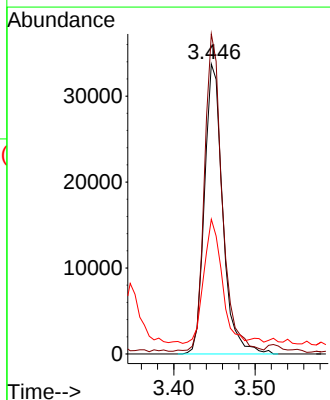
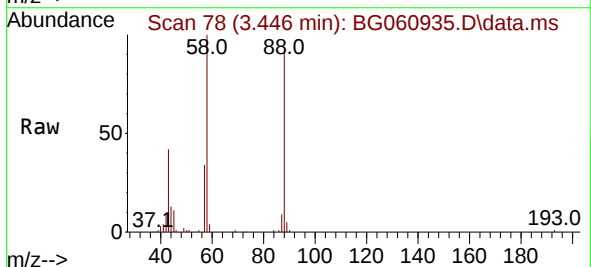
Manual Integrations  
APPROVED

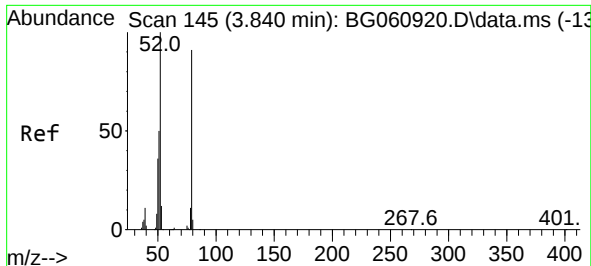
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#2  
1,4-Dioxane  
Concen: 39.476 ng  
RT: 3.446 min Scan# 78  
Delta R.T. -0.007 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

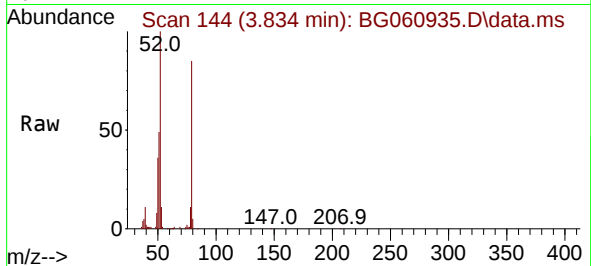
Tgt Ion: 88 Resp: 52502  
Ion Ratio Lower Upper  
88 100  
58 106.0 82.1 123.1  
43 42.6 35.2 52.8





#3  
 Pyridine  
 Concen: 32.750 ng  
 RT: 3.834 min Scan# 145  
 Delta R.T. -0.007 min  
 Lab File: BG060935.D  
 Acq: 18 Apr 2024 13:58

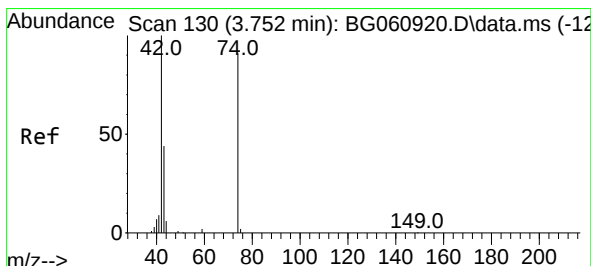
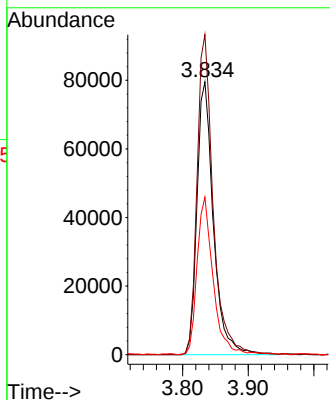
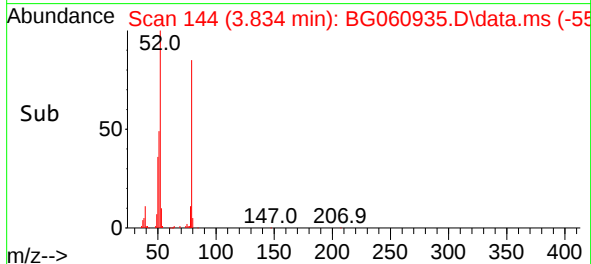
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ARCOLA-SP-1MS



Tgt Ion: 79 Resp: 13857  
 Ion Ratio Lower Upper  
 79 100  
 52 117.3 87.8 131.8  
 51 57.7 44.1 66.1

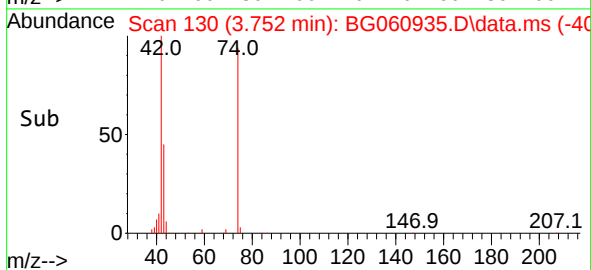
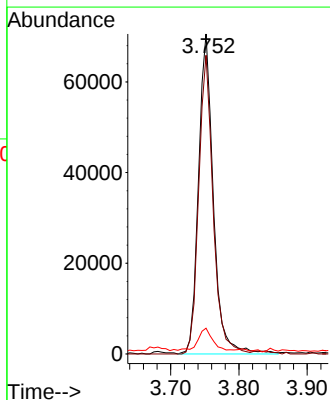
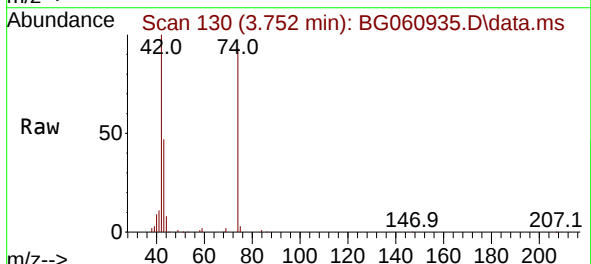
Manual Integrations  
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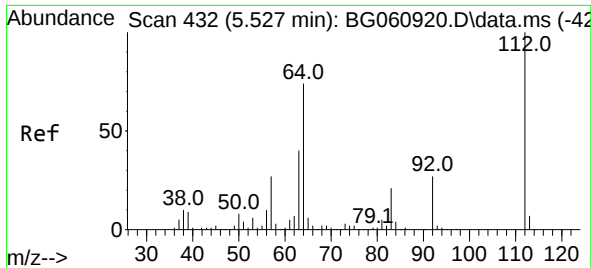
Reviewed By :Yogesh Patel 04/22/2024  
 Supervised By :mohammad ahmed 04/22/2024



#4  
 n-Nitrosodimethylamine  
 Concen: 39.652 ng  
 RT: 3.752 min Scan# 130  
 Delta R.T. -0.001 min  
 Lab File: BG060935.D  
 Acq: 18 Apr 2024 13:58

Tgt Ion: 42 Resp: 107067  
 Ion Ratio Lower Upper  
 42 100  
 74 93.3 73.2 109.8  
 44 8.1 5.6 8.4





#5  
2-Fluorophenol  
Concen: 105.461 ng  
RT: 5.526 min Scan# 432  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

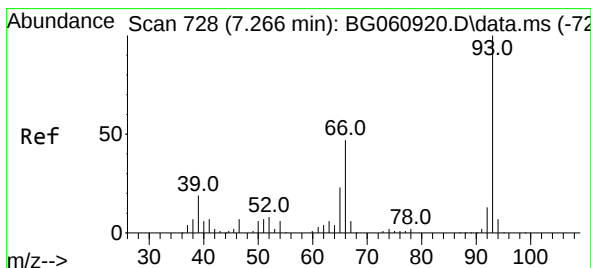
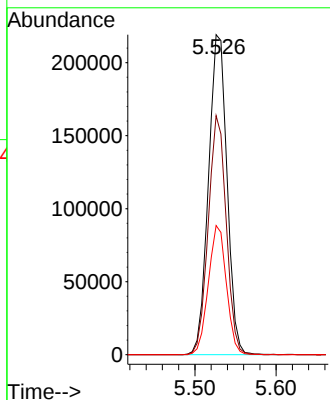
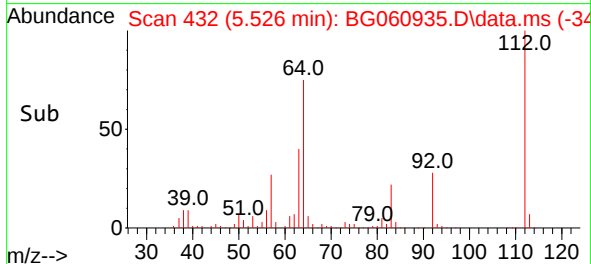
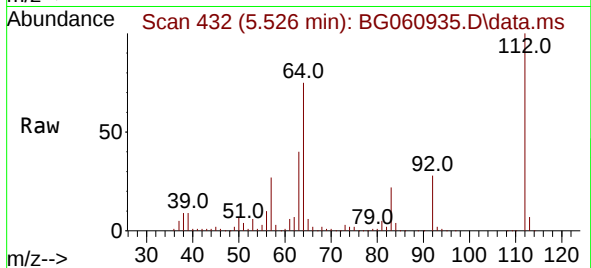
ClientSampleId :

ARCOLA-SP-1MS

Tgt Ion:112 Resp: 346962  
Ion Ratio Lower Upper  
112 100  
64 74.7 58.9 88.3  
63 40.4 32.1 48.1

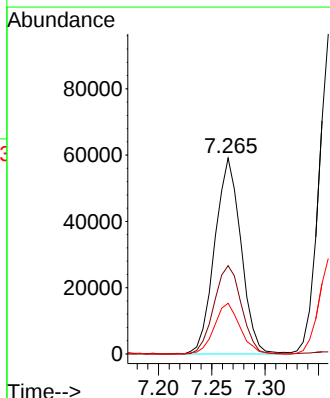
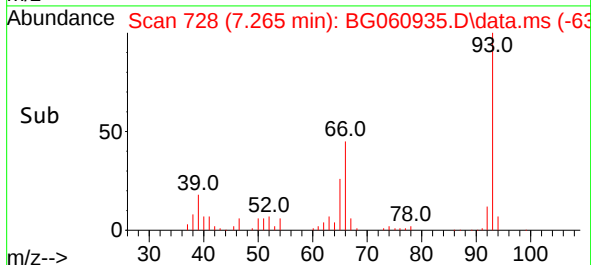
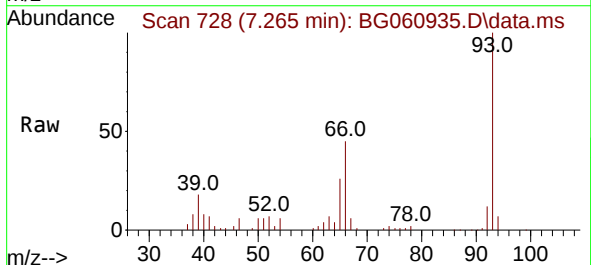
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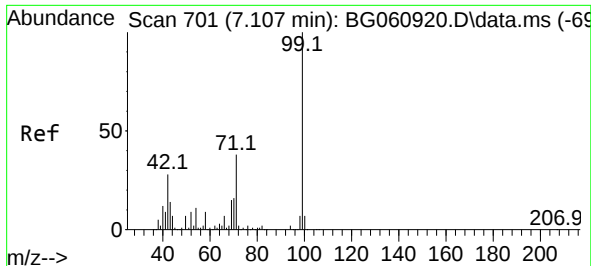
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#6  
Aniline  
Concen: 17.507 ng  
RT: 7.265 min Scan# 728  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

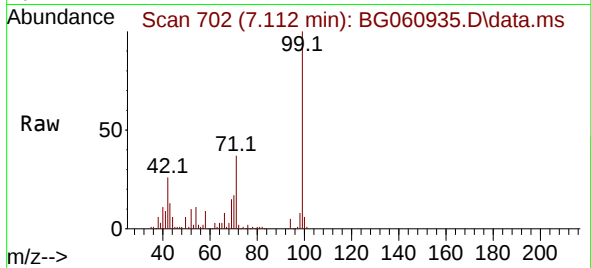
Tgt Ion: 93 Resp: 101093  
Ion Ratio Lower Upper  
93 100  
66 45.1 37.8 56.8  
65 25.9 18.7 28.1





#7  
Phenol-d6  
Concen: 107.833 ng  
RT: 7.112 min Scan# 701  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

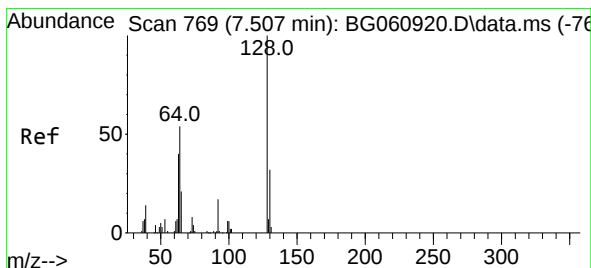
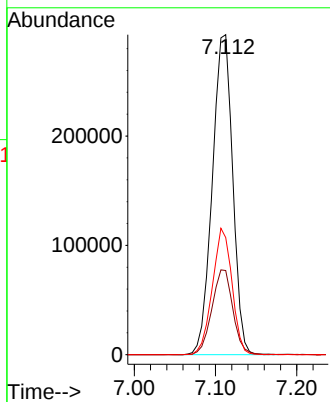
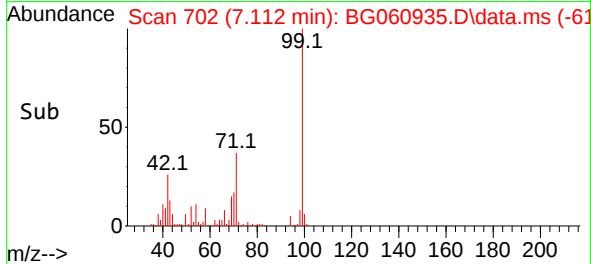
Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion: 99 Resp: 51107  
Ion Ratio Lower Upper  
99 100  
42 26.3 22.2 33.2  
71 36.6 30.5 45.7

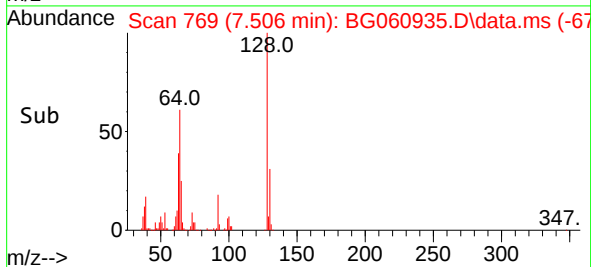
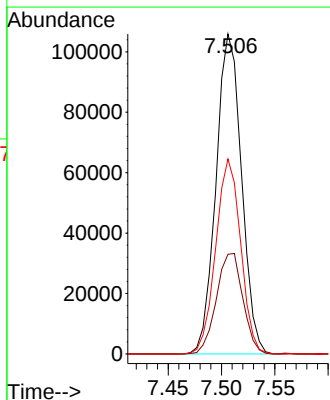
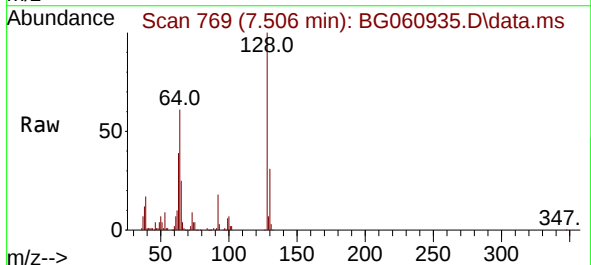
Manual Integrations  
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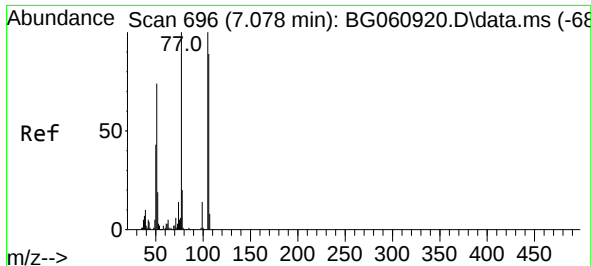
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#8  
2-Chlorophenol  
Concen: 47.036 ng  
RT: 7.506 min Scan# 769  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

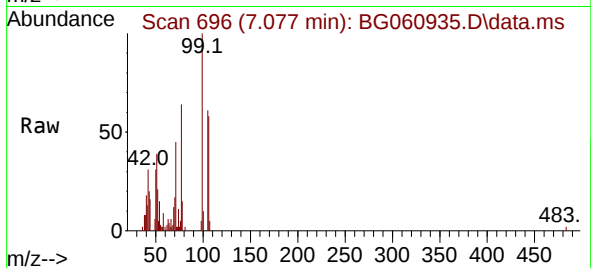
Tgt Ion:128 Resp: 176048  
Ion Ratio Lower Upper  
128 100  
130 31.1 11.7 51.7  
64 60.9 37.8 77.8





#9  
Benzaldehyde  
Concen: 3.794 ng  
RT: 7.077 min Scan# 696  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

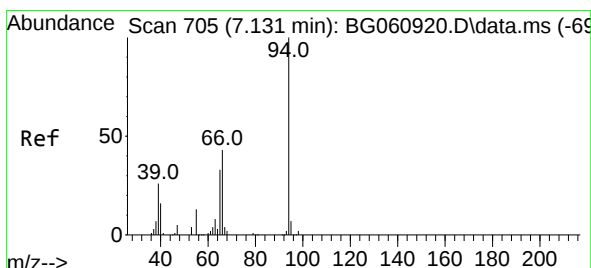
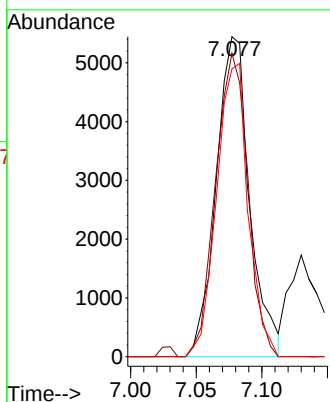
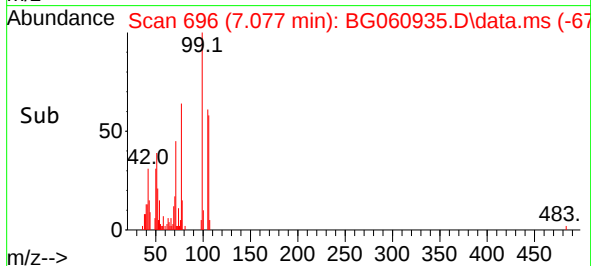
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion: 77 Resp: 9650  
Ion Ratio Lower Upper  
77 100  
105 94.8 79.9 119.9  
106 90.0 69.3 109.3

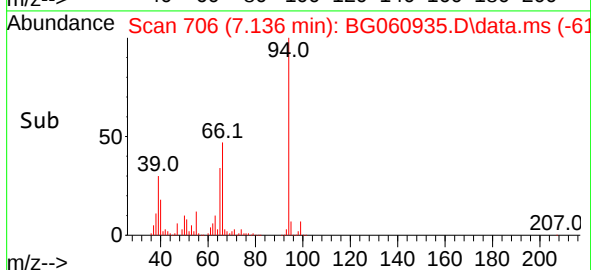
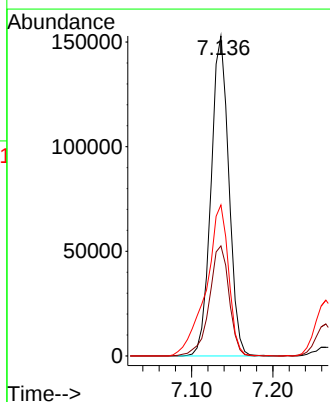
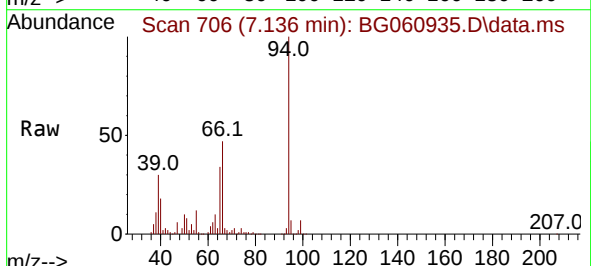
Manual Integrations  
APPROVED

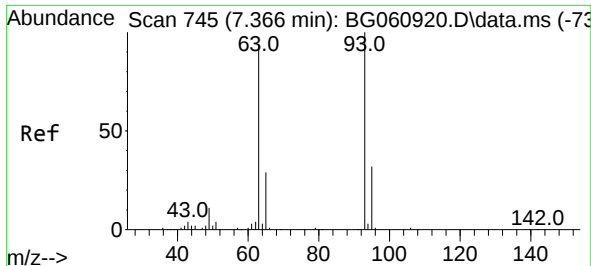
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#10  
Phenol  
Concen: 48.983 ng  
RT: 7.136 min Scan# 706  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

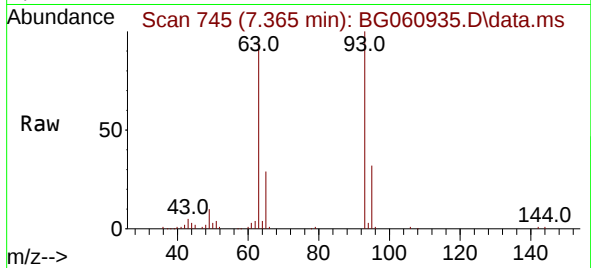
Tgt Ion: 94 Resp: 232664  
Ion Ratio Lower Upper  
94 100  
65 34.4 13.6 53.6  
66 47.2 24.3 64.3





#11  
bis(2-Chloroethyl)ether  
Concen: 42.853 ng  
RT: 7.365 min Scan# 745  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

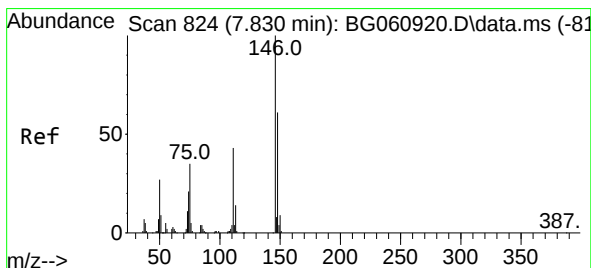
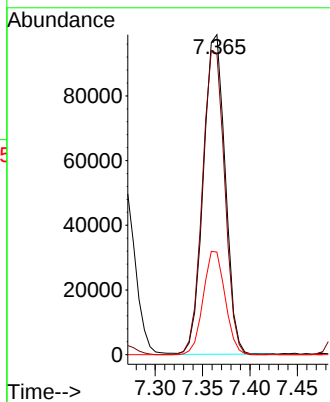
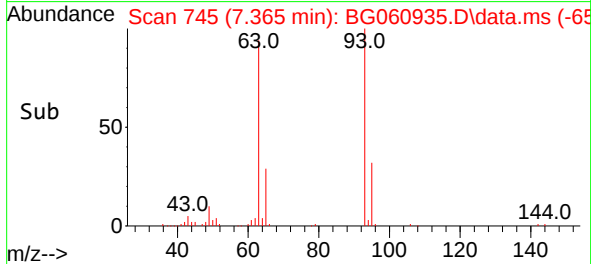
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



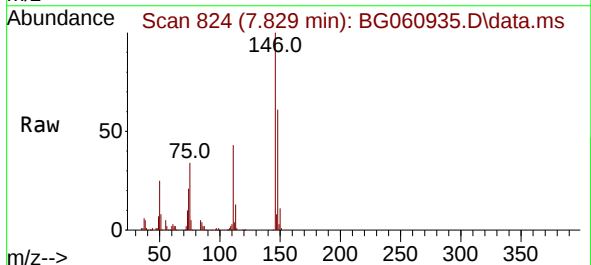
Tgt Ion: 93 Resp: 15788  
Ion Ratio Lower Upper  
93 100  
63 94.1 74.0 114.0  
95 32.0 12.7 52.7

Manual Integrations  
APPROVED

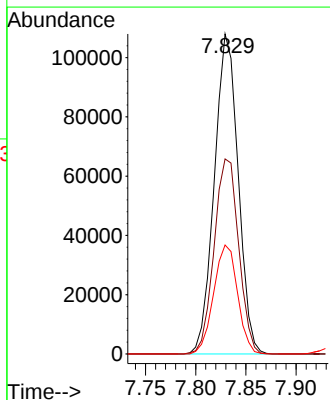
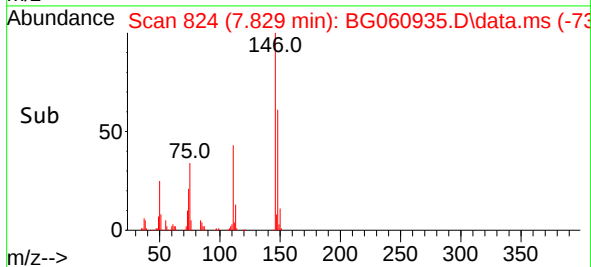
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

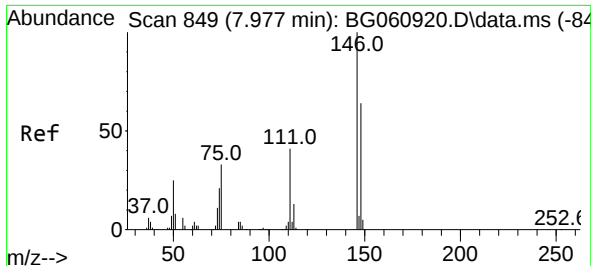


#12  
1,3-Dichlorobenzene  
Concen: 44.765 ng  
RT: 7.829 min Scan# 824  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



Tgt Ion:146 Resp: 178021  
Ion Ratio Lower Upper  
146 100  
148 61.0 49.0 73.6  
75 34.0 27.8 41.6





#13

1,4-Dichlorobenzene

Concen: 44.929 ng

RT: 7.976 min Scan# 849

Delta R.T. -0.001 min

Lab File: BG060935.D

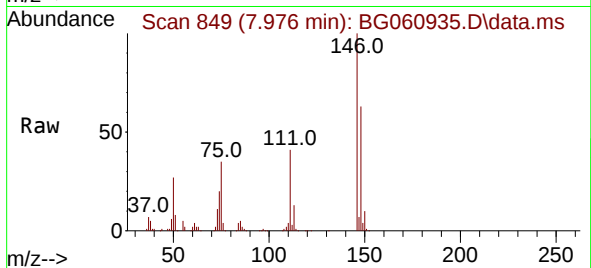
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



Tgt Ion:146 Resp: 182914

Ion Ratio Lower Upper

146 100

148 63.1 51.4 77.2

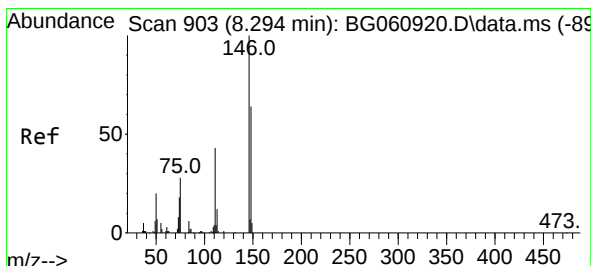
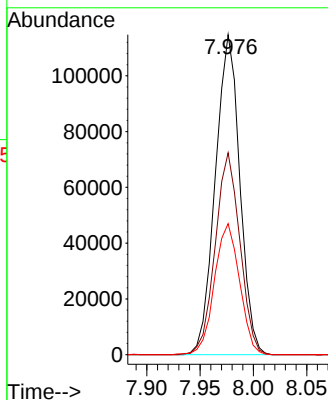
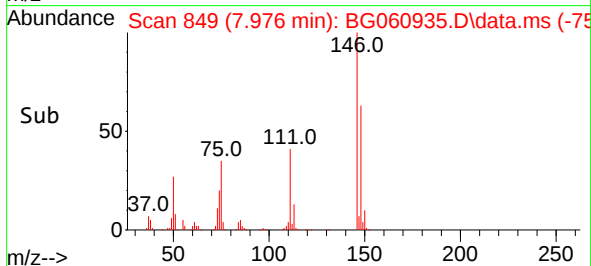
111 40.9 32.8 49.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#14

1,2-Dichlorobenzene

Concen: 44.527 ng

RT: 8.293 min Scan# 903

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

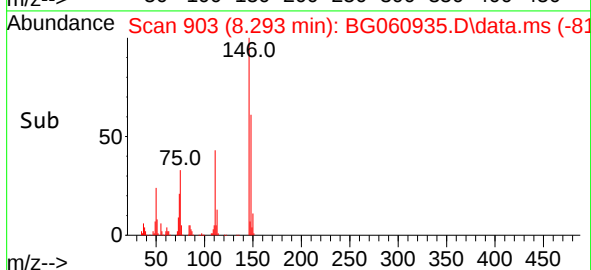
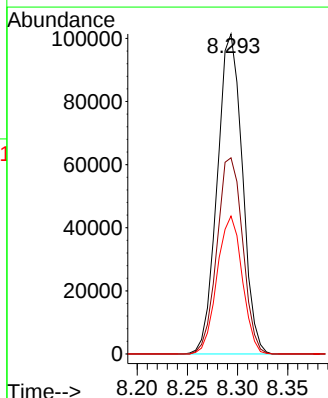
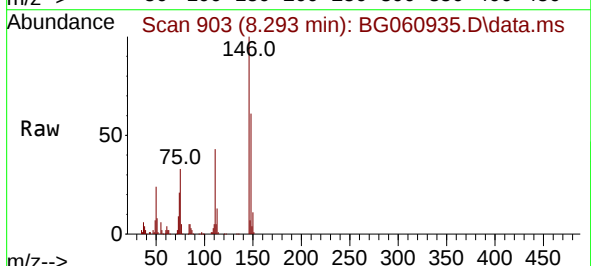
Tgt Ion:146 Resp: 176278

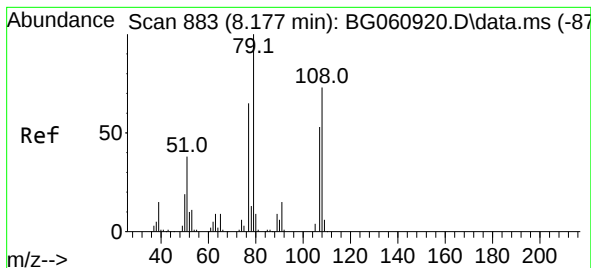
Ion Ratio Lower Upper

146 100

148 61.3 51.0 76.4

111 43.1 35.2 52.8





#15

Benzyl Alcohol

Concen: 42.457 ng

RT: 8.176 min Scan# 883

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

Tgt Ion: 79 Resp: 173100

Ion Ratio Lower Upper

79 100

108 74.2 58.6 87.8

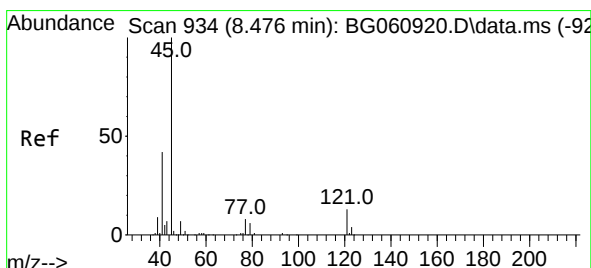
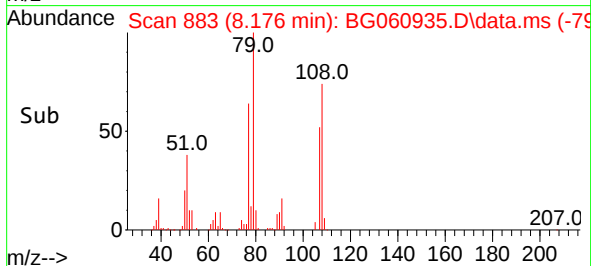
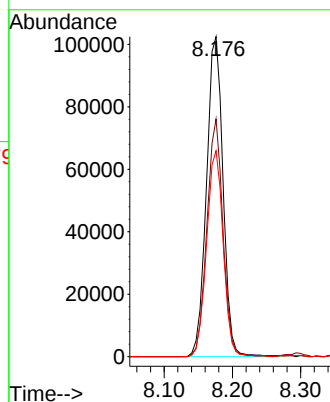
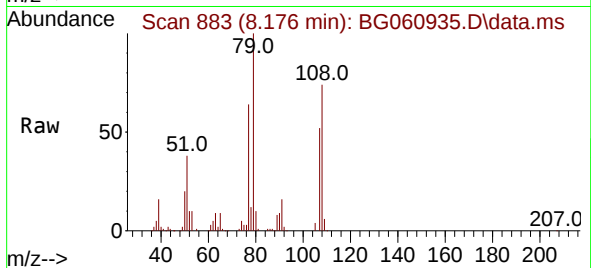
77 64.3 51.9 77.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.309 ng

RT: 8.458 min Scan# 931

Delta R.T. -0.018 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

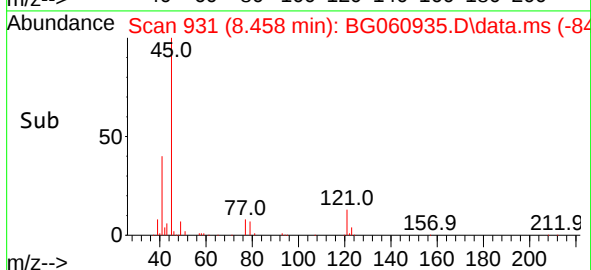
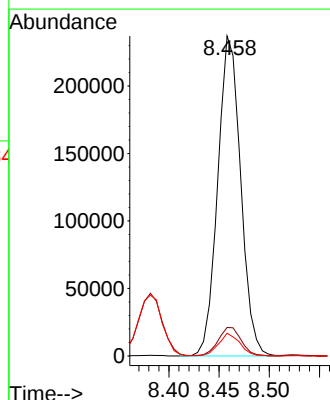
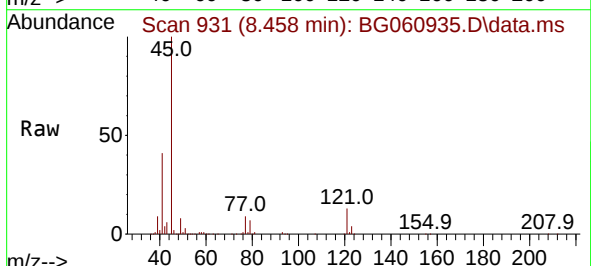
Tgt Ion: 45 Resp: 376720

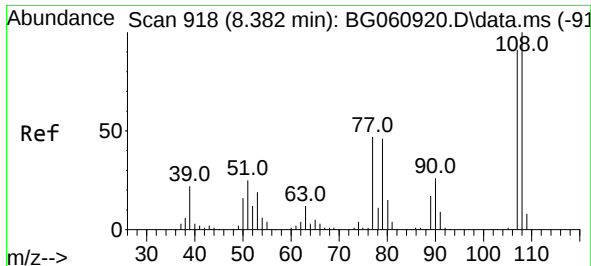
Ion Ratio Lower Upper

45 100

77 8.9 0.0 29.0

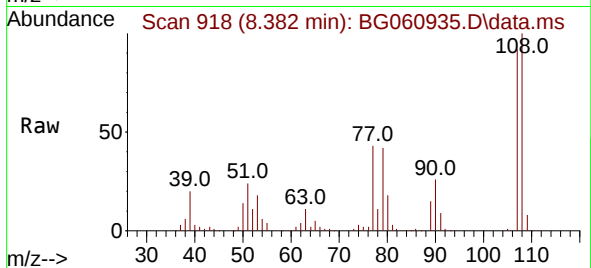
79 7.1 0.0 27.2





#17  
2-Methylphenol  
Concen: 41.784 ng  
RT: 8.382 min Scan# 918  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

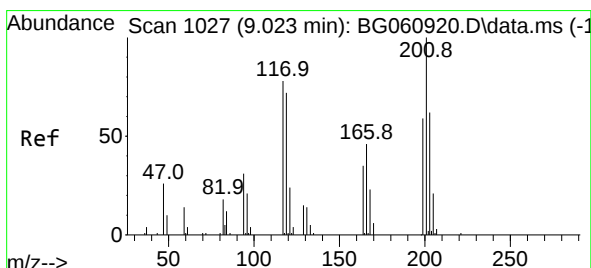
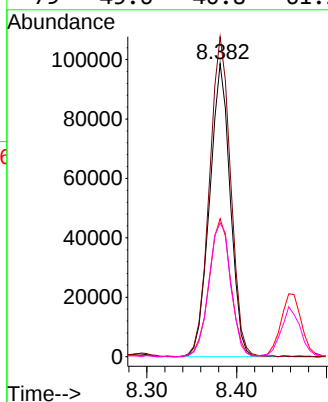
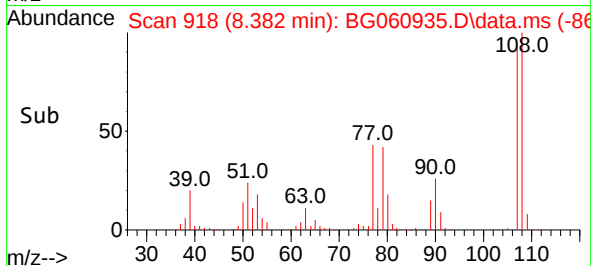
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:107 Resp: 156818  
Ion Ratio Lower Upper  
107 100  
108 109.2 88.3 132.5  
77 47.1 41.4 62.0  
79 45.6 40.8 61.2

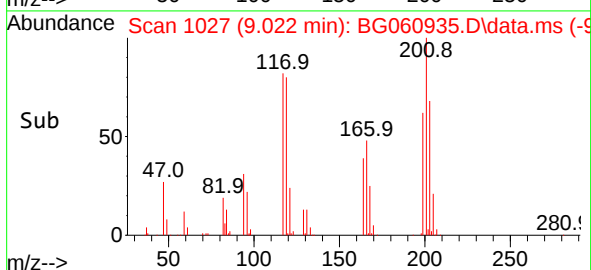
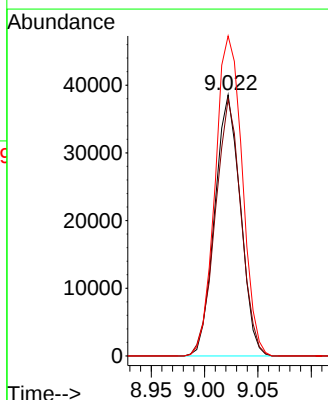
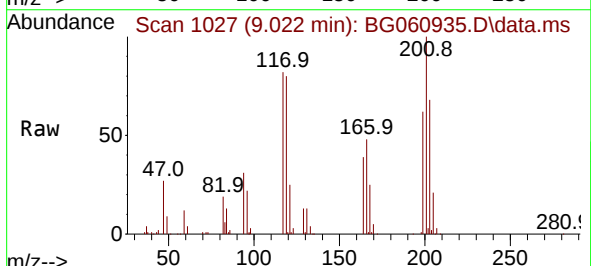
Manual Integrations  
APPROVED

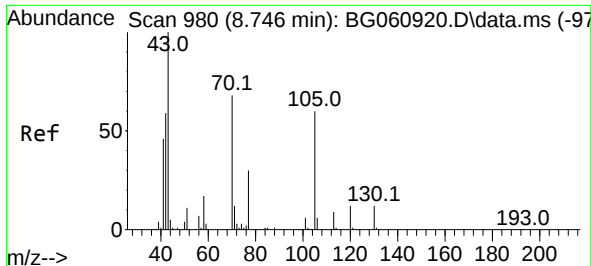
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#18  
Hexachloroethane  
Concen: 44.631 ng  
RT: 9.022 min Scan# 1027  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

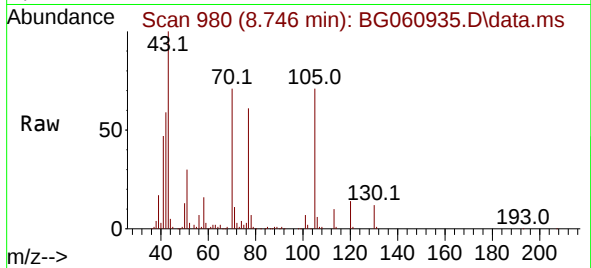
Tgt Ion:117 Resp: 64521  
Ion Ratio Lower Upper  
117 100  
119 99.4 73.8 110.6  
201 122.6 102.9 154.3





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.068 ng  
RT: 8.746 min Scan# 980  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

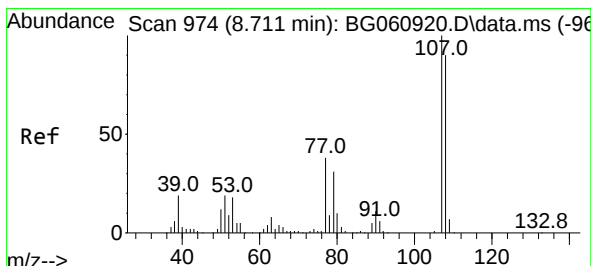
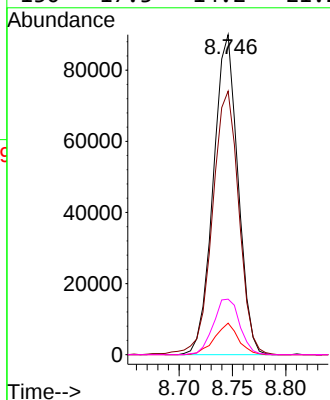
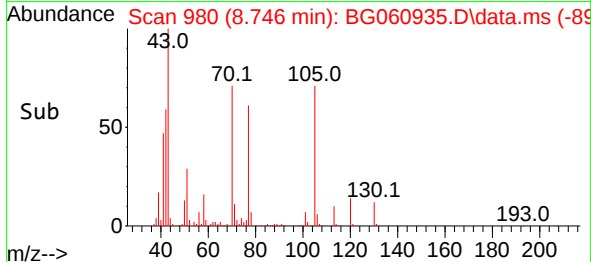
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion: 70 Resp: 144648  
Ion Ratio Lower Upper  
70 100  
42 82.4 70.9 106.3  
101 9.8 7.0 10.4  
130 17.3 14.2 21.2

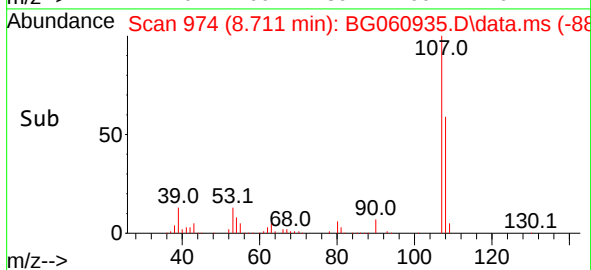
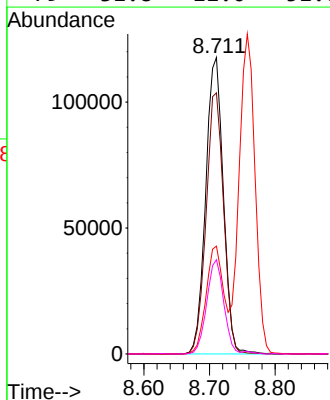
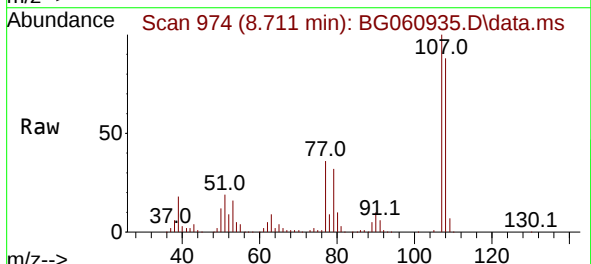
Manual Integrations  
APPROVED

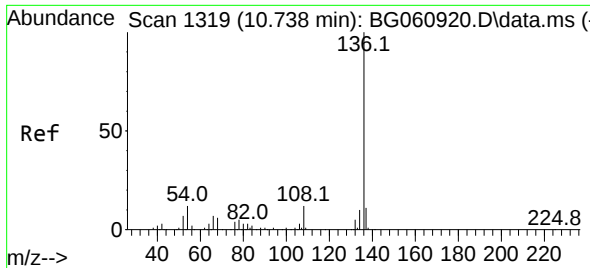
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#20  
3+4-Methylphenols  
Concen: 42.229 ng  
RT: 8.711 min Scan# 974  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:107 Resp: 219872  
Ion Ratio Lower Upper  
107 100  
108 88.1 69.9 109.9  
77 36.4 17.5 57.5  
79 31.8 11.0 51.0





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.738 min Scan# 1319  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

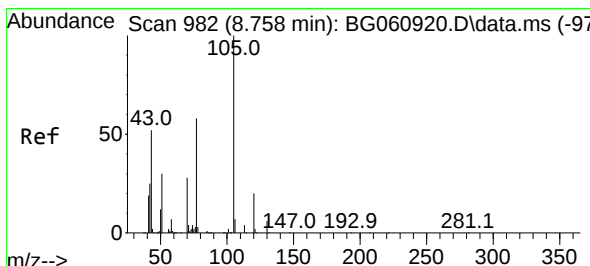
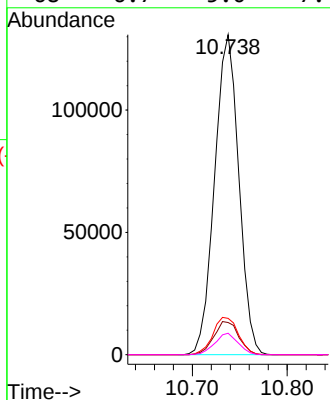
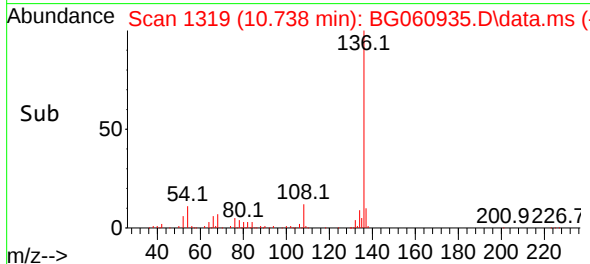
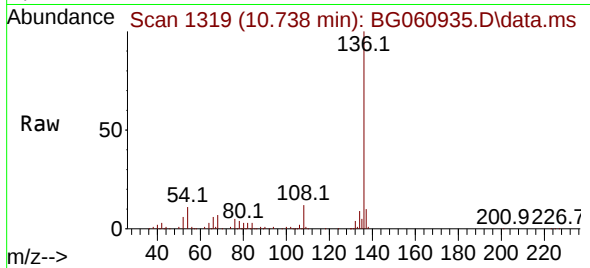
ARCOLA-SP-1MS

Tgt Ion:136 Resp: 23179  
Ion Ratio Lower Upper  
136 100  
137 10.1 8.8 13.2  
54 11.4 9.8 14.8  
68 6.7 5.0 7.4

Manual Integrations

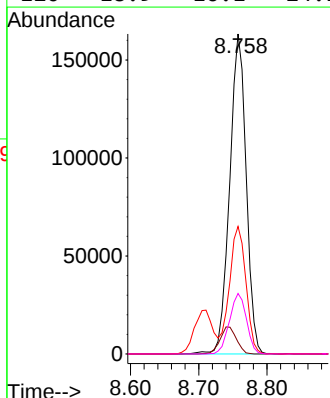
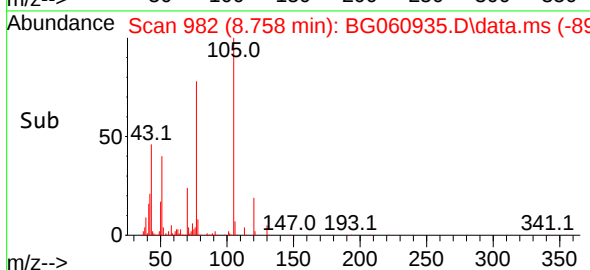
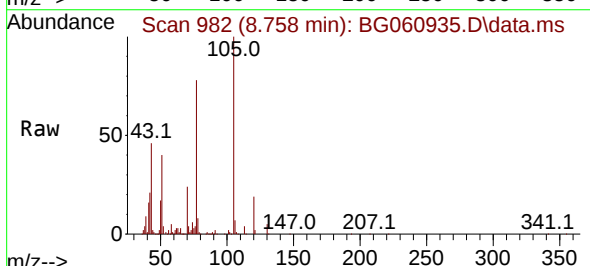
APPROVED

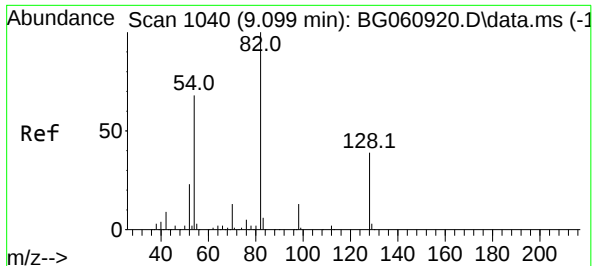
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#22  
Acetophenone  
Concen: 41.679 ng  
RT: 8.758 min Scan# 982  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:105 Resp: 275124  
Ion Ratio Lower Upper  
105 100  
71 3.7 3.8 5.6#  
51 39.9 32.1 48.1  
120 18.9 16.1 24.1





#23

Nitrobenzene-d5

Concen: 64.912 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.007 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

Tgt Ion: 82 Resp: 33143

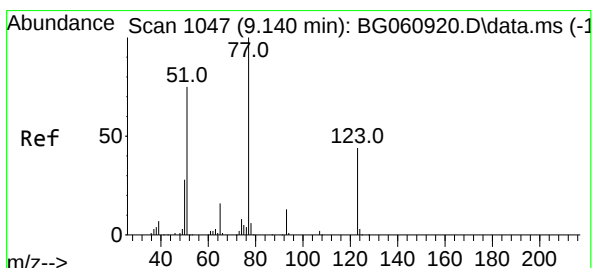
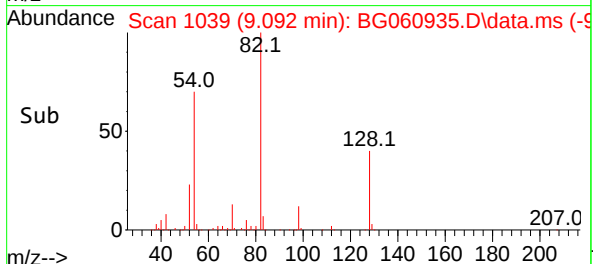
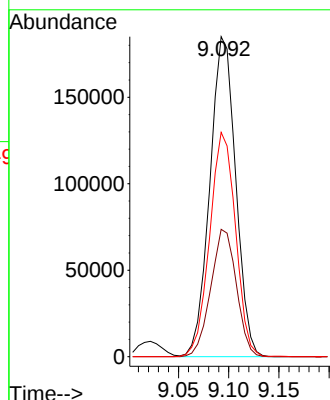
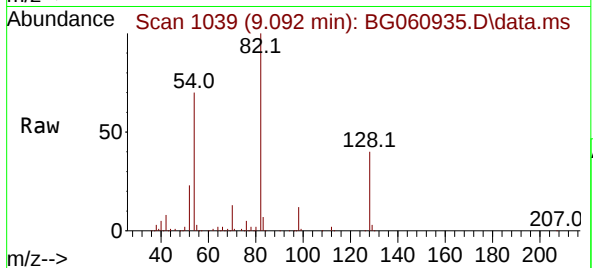
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 39.8  | 31.4  | 47.0  |
| 54  | 70.1  | 54.2  | 81.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#24

Nitrobenzene

Concen: 40.919 ng

RT: 9.139 min Scan# 1047

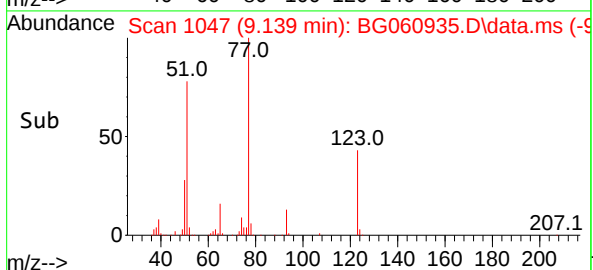
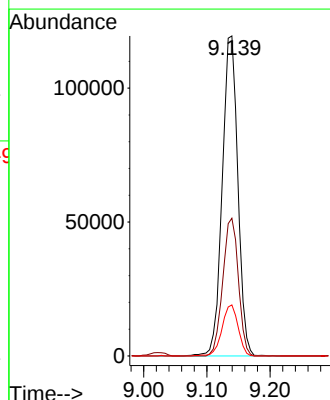
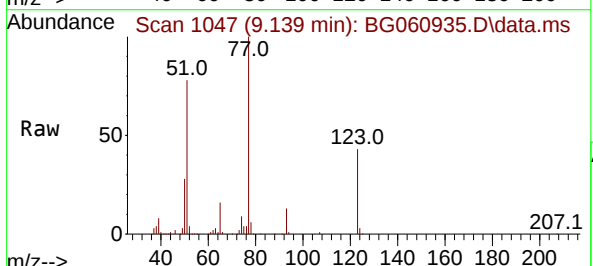
Delta R.T. -0.001 min

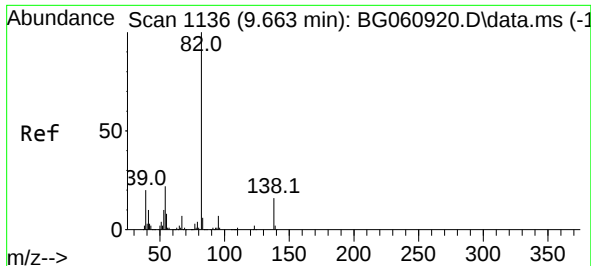
Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Tgt Ion: 77 Resp: 205047

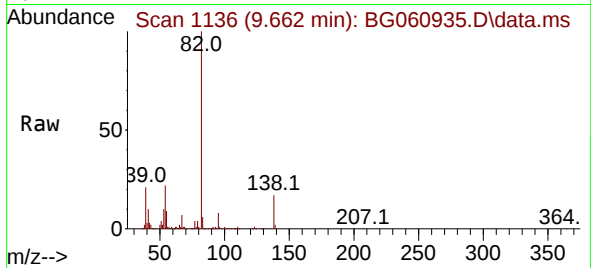
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.0  | 34.8  | 52.2  |
| 65  | 15.9  | 12.6  | 19.0  |





#25  
Isophorone  
Concen: 40.608 ng  
RT: 9.662 min Scan# 1136  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

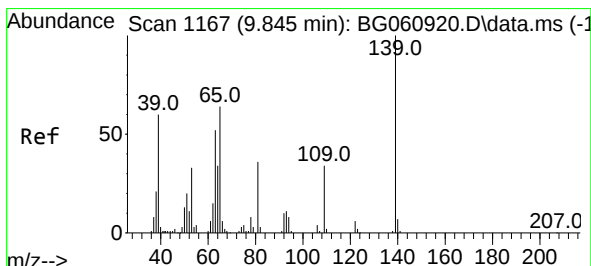
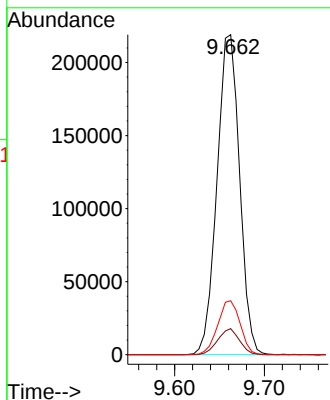
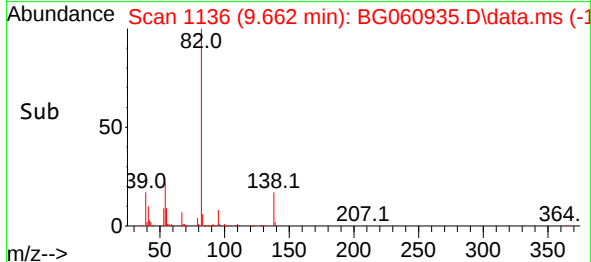
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion: 82 Resp: 38262  
Ion Ratio Lower Upper  
82 100  
95 8.1 5.9 8.9  
138 16.9 12.7 19.1

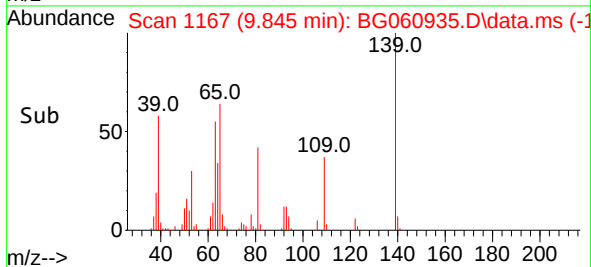
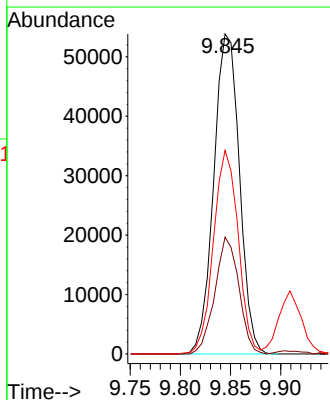
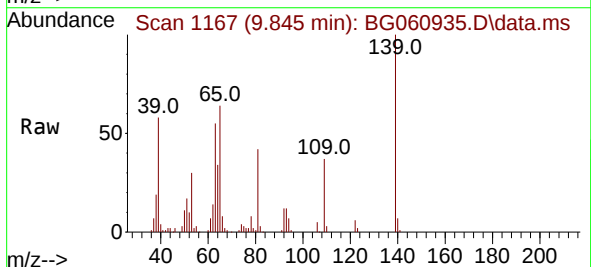
Manual Integrations  
APPROVED

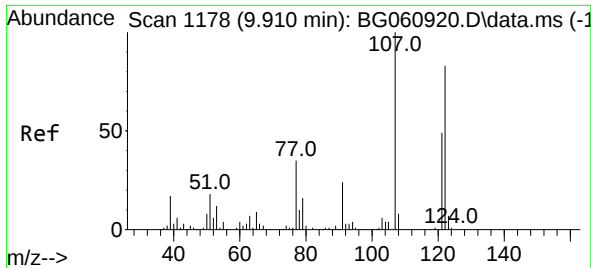
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#26  
2-Nitrophenol  
Concen: 45.445 ng  
RT: 9.845 min Scan# 1167  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:139 Resp: 95670  
Ion Ratio Lower Upper  
139 100  
109 36.5 26.9 40.3  
65 63.6 51.4 77.2





#27

2,4-Dimethylphenol

Concen: 36.171 ng

RT: 9.909 min Scan# 1178

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

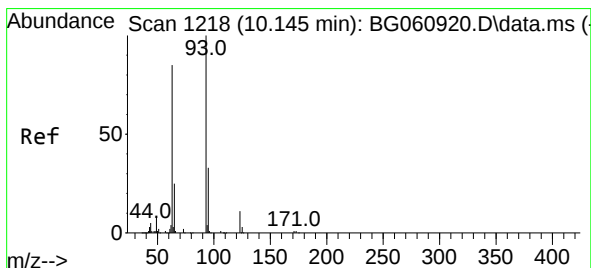
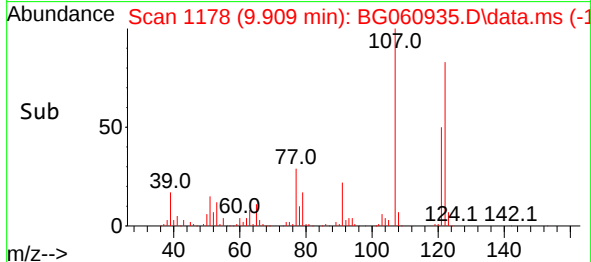
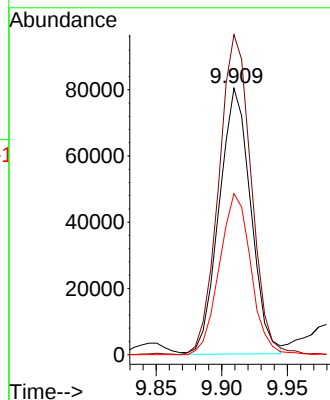
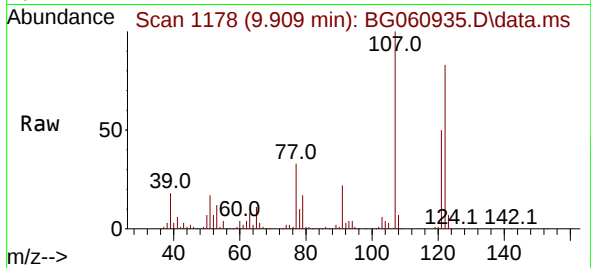
Tgt Ion:122 Resp: 13416  
 Ion Ratio Lower Upper  
 122 100  
 107 120.1 96.6 144.8  
 121 60.5 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#28

bis(2-Chloroethoxy)methane

Concen: 42.210 ng

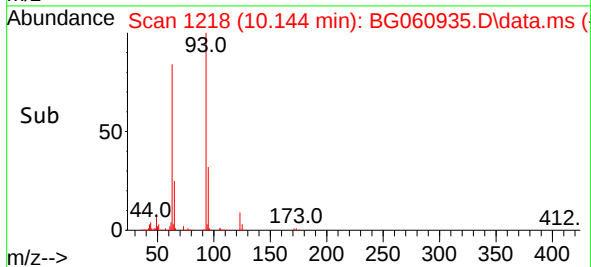
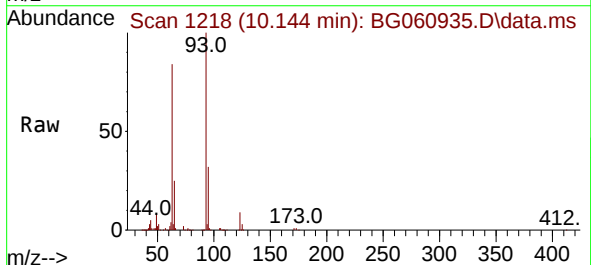
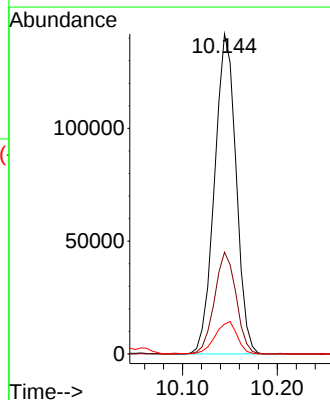
RT: 10.144 min Scan# 1218

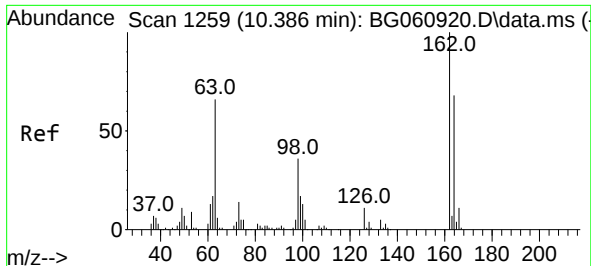
Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Tgt Ion: 93 Resp: 223638  
 Ion Ratio Lower Upper  
 93 100  
 95 31.8 26.2 39.4  
 123 9.3 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 44.341 ng

RT: 10.385 min Scan# 1259

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

Tgt Ion:162 Resp: 178439

Ion Ratio Lower Upper

162 100

164 67.7 48.1 88.1

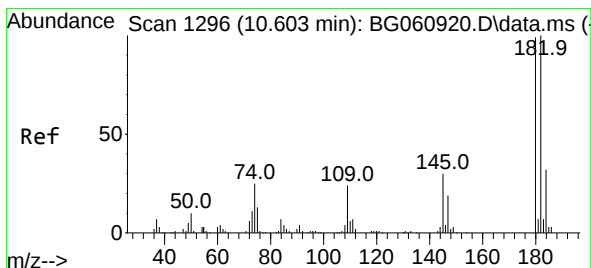
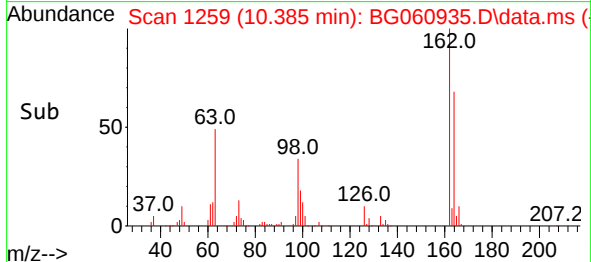
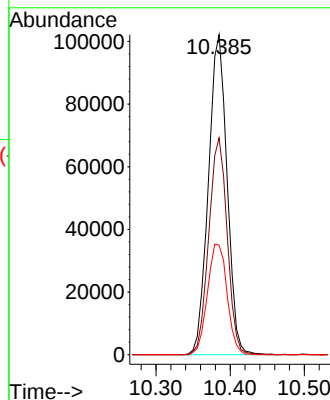
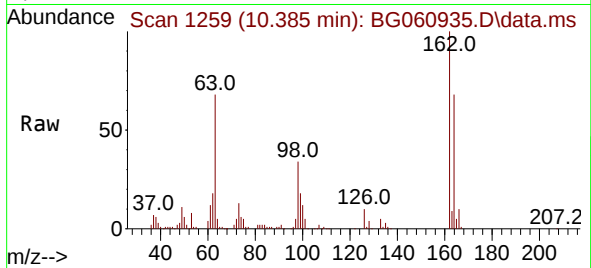
98 34.2 16.1 56.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#30

1,2,4-Trichlorobenzene

Concen: 43.221 ng

RT: 10.597 min Scan# 1295

Delta R.T. -0.007 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

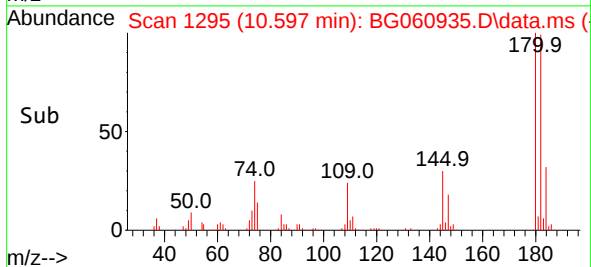
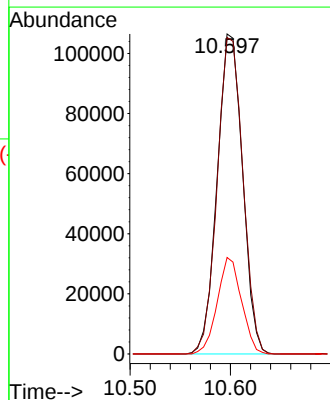
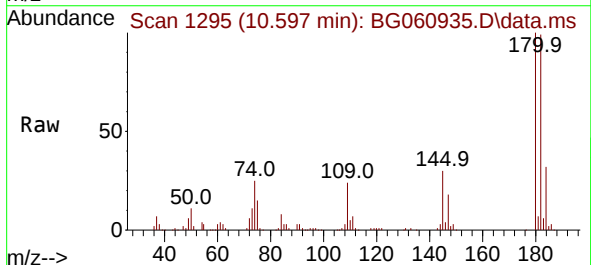
Tgt Ion:180 Resp: 186443

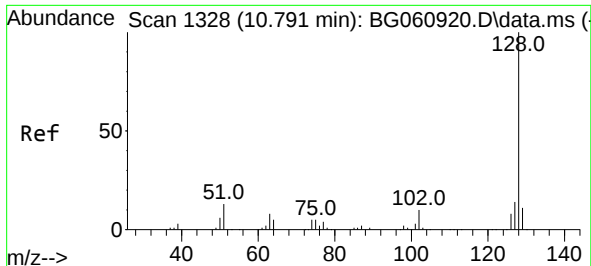
Ion Ratio Lower Upper

180 100

182 98.9 81.0 121.4

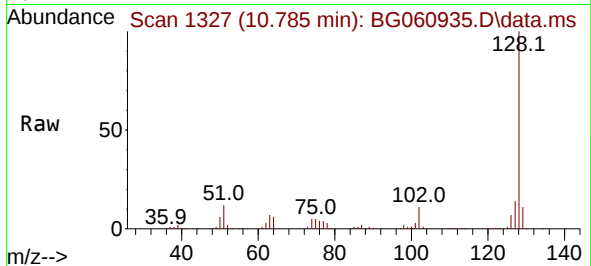
145 30.1 24.1 36.1





#31  
Naphthalene  
Concen: 43.019 ng  
RT: 10.785 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

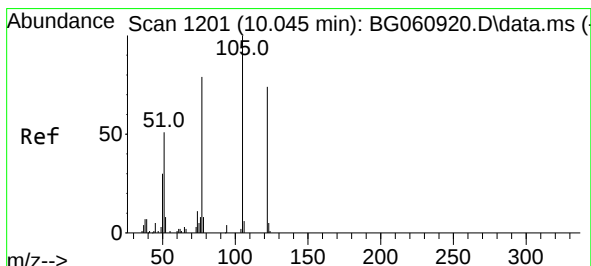
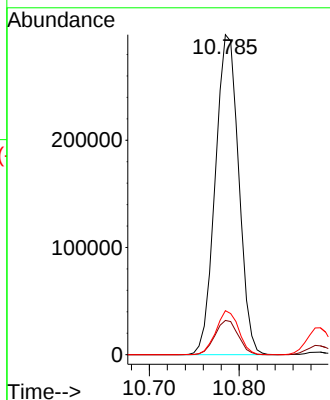
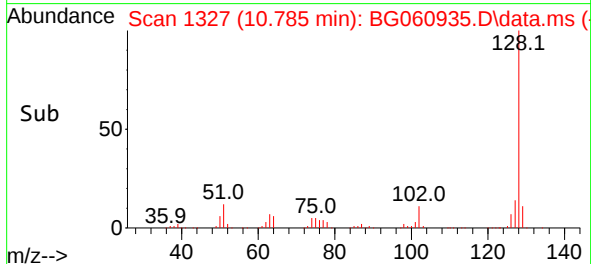
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:128 Resp: 539294  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.4 12.6  
127 13.7 11.3 16.9

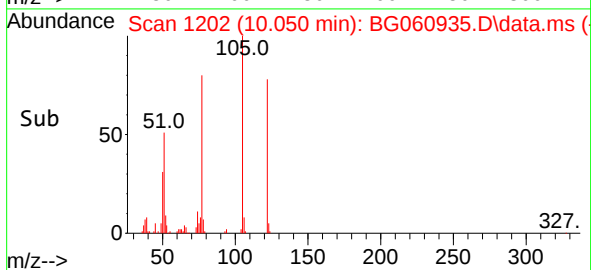
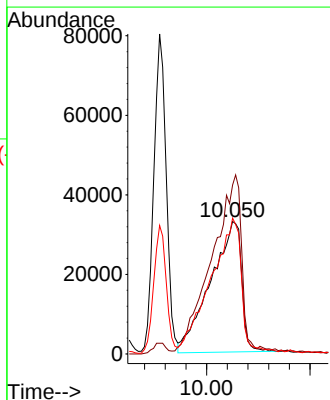
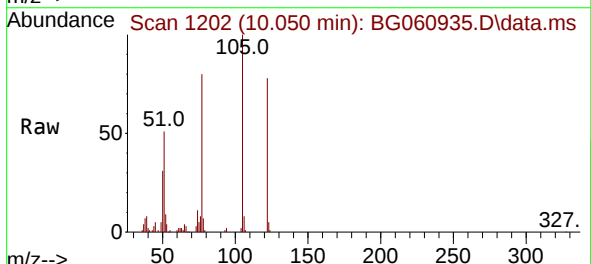
Manual Integrations  
APPROVED

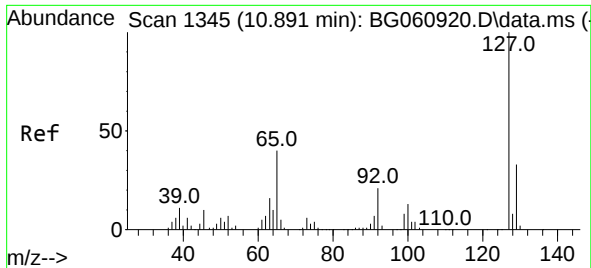
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#32  
Benzoic acid  
Concen: 45.309 ng  
RT: 10.050 min Scan# 1202  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:122 Resp: 136035  
Ion Ratio Lower Upper  
122 100  
105 127.6 109.8 149.8  
77 102.6 84.1 124.1





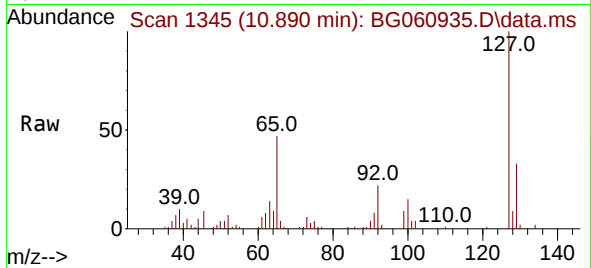
#33  
4-Chloroaniline  
Concen: 8.329 ng  
RT: 10.890 min Scan# 1345  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



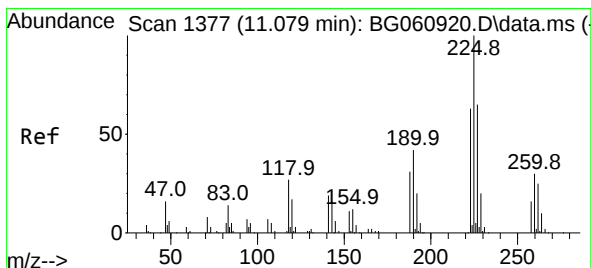
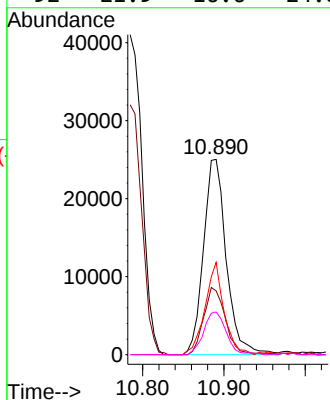
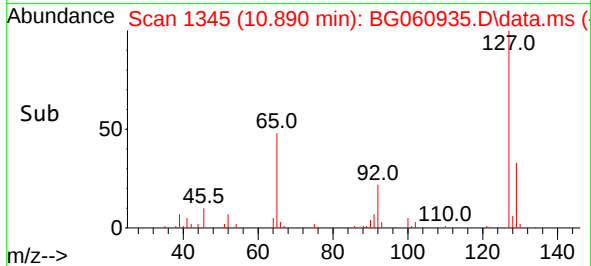
Tgt Ion:127 Resp: 4893  
Ion Ratio Lower Upper  
127 100  
129 32.7 26.8 40.2  
65 47.3 32.3 48.5  
92 21.9 16.6 24.8

Manual Integrations

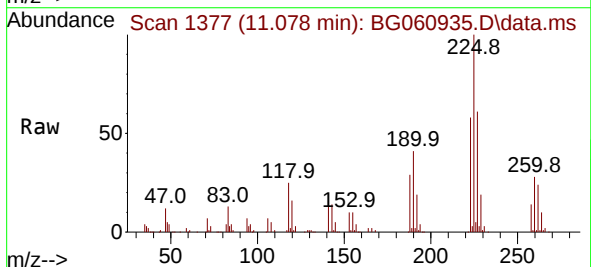
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

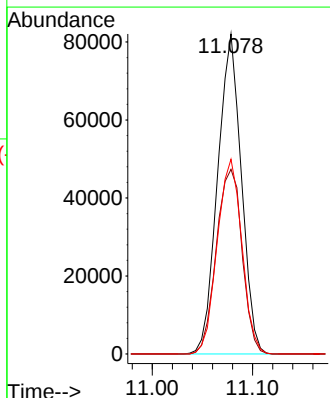
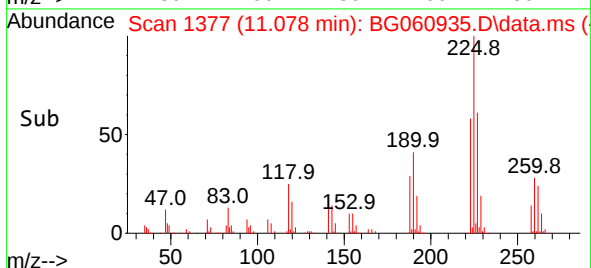
Supervised By :mohammad ahmed 04/22/2024

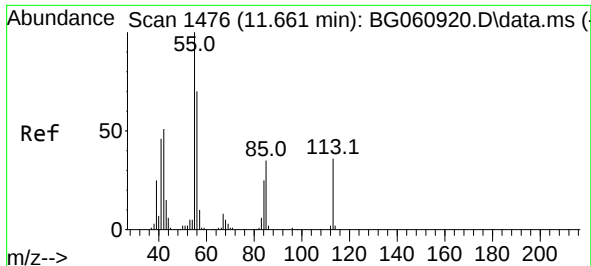


#34  
Hexachlorobutadiene  
Concen: 43.859 ng  
RT: 11.078 min Scan# 1377  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



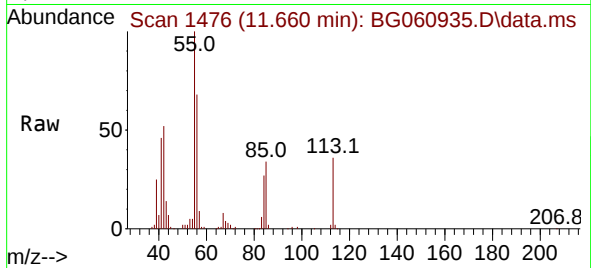
Tgt Ion:225 Resp: 134497  
Ion Ratio Lower Upper  
225 100  
223 57.7 50.2 75.2  
227 60.9 51.7 77.5





#35  
Caprolactam  
Concen: 41.045 ng m  
RT: 11.660 min Scan# 1476  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

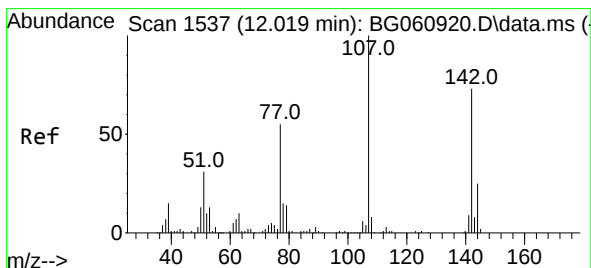
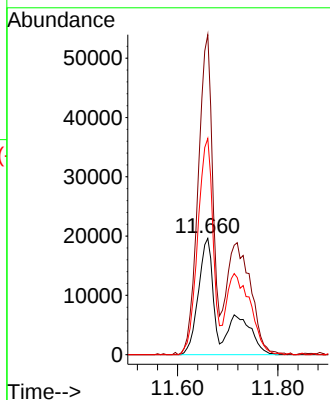
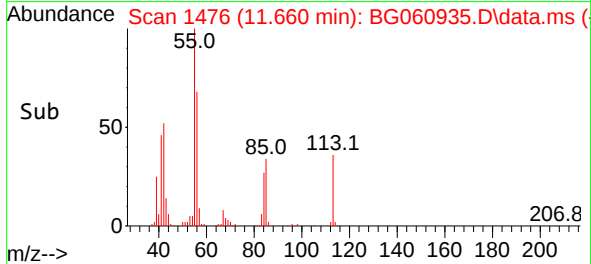
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:113 Resp: 6094  
Ion Ratio Lower Upper  
113 100  
55 274.9 262.6 302.6  
56 185.7 177.0 217.0

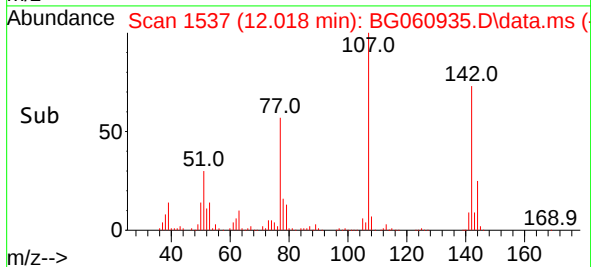
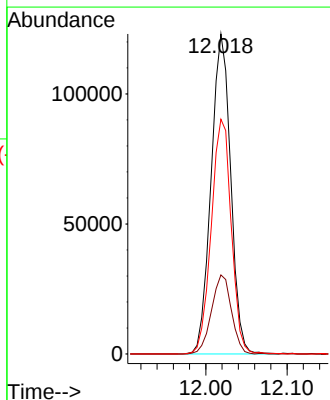
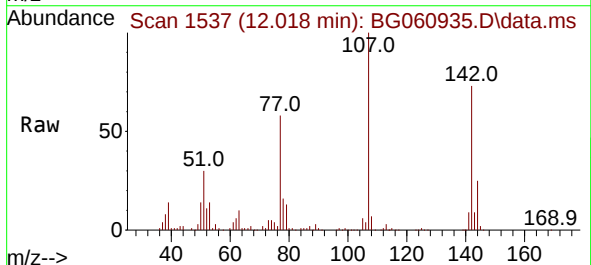
Manual Integrations  
APPROVED

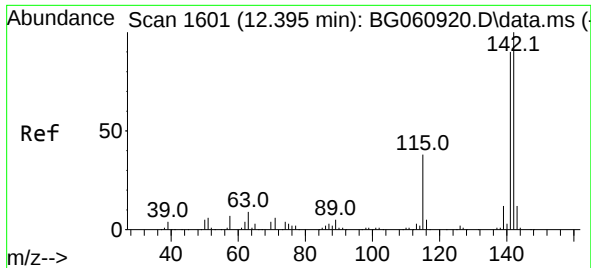
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#36  
4-Chloro-3-methylphenol  
Concen: 42.392 ng  
RT: 12.018 min Scan# 1537  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:107 Resp: 206189  
Ion Ratio Lower Upper  
107 100  
144 24.7 19.7 29.5  
142 73.3 58.2 87.2





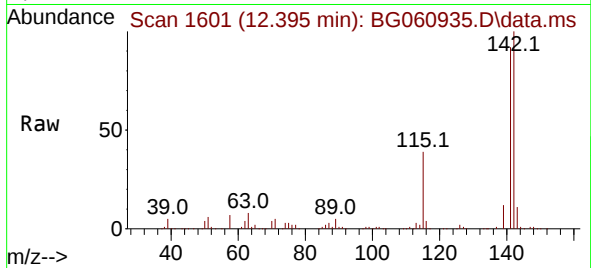
#37  
2-Methylnaphthalene  
Concen: 40.748 ng  
RT: 12.395 min Scan# 1601  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



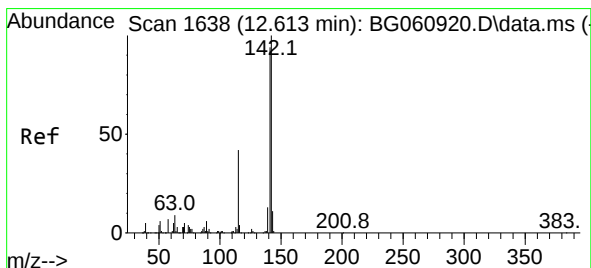
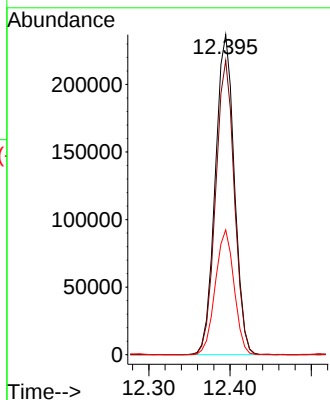
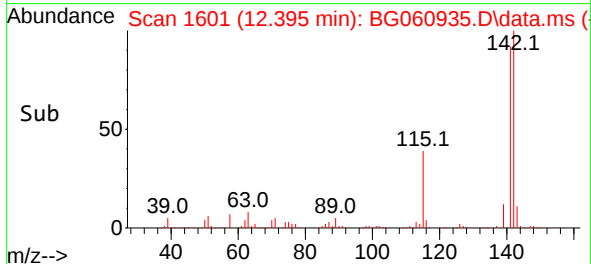
Tgt Ion:142 Resp: 38644  
Ion Ratio Lower Upper  
142 100  
141 92.0 71.7 107.5  
115 39.0 30.6 45.8

Manual Integrations

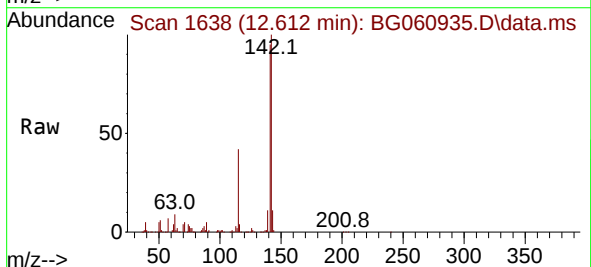
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

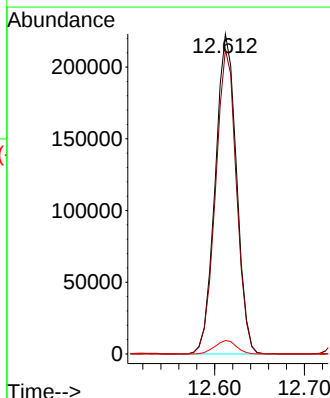
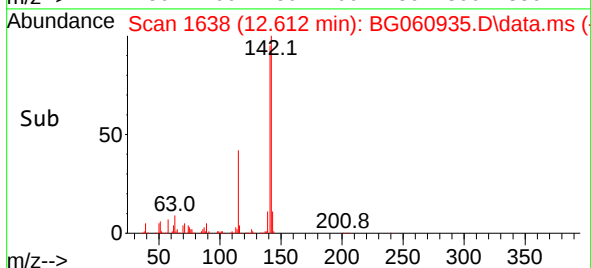
Supervised By :mohammad ahmed 04/22/2024

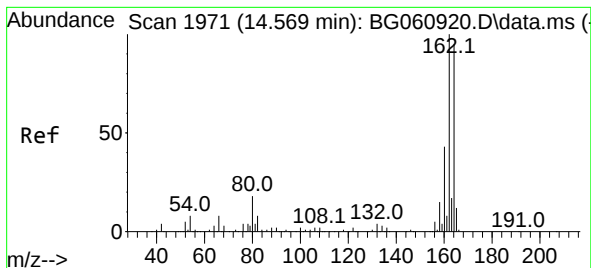


#38  
1-Methylnaphthalene  
Concen: 40.859 ng  
RT: 12.612 min Scan# 1638  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



Tgt Ion:142 Resp: 365816  
Ion Ratio Lower Upper  
142 100  
141 95.1 75.1 112.7  
116 4.2 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.001 min

Lab File: BG060935.D

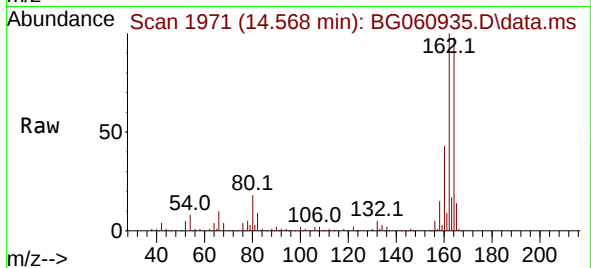
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



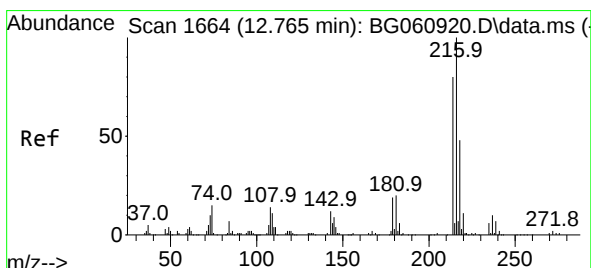
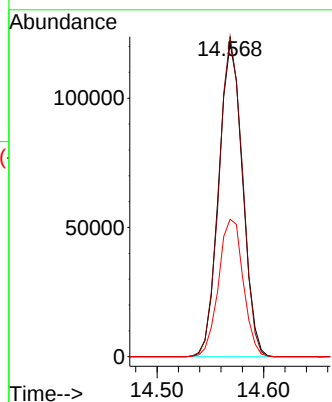
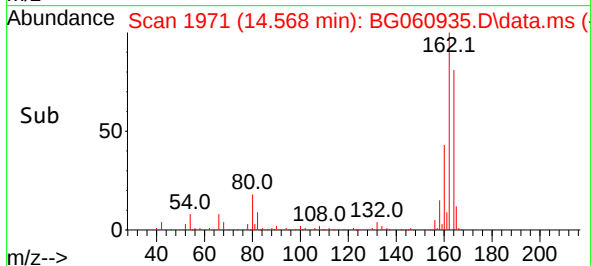
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 188364 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.1 | 84.1  | 126.1  |
| 160       | 43.9  | 35.9  | 53.9   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.290 ng

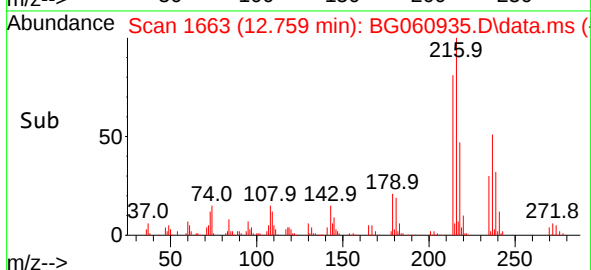
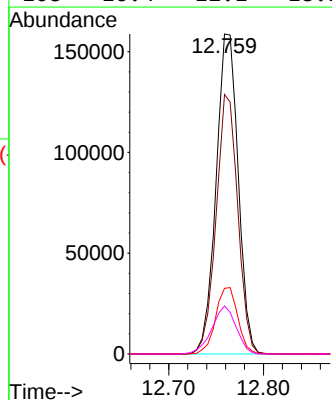
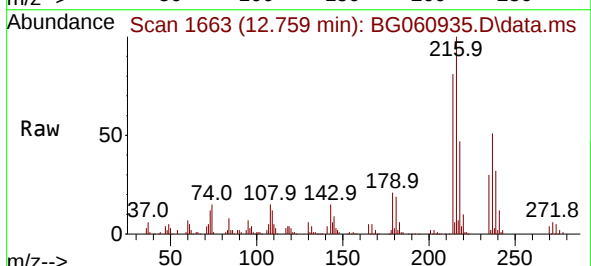
RT: 12.759 min Scan# 1663

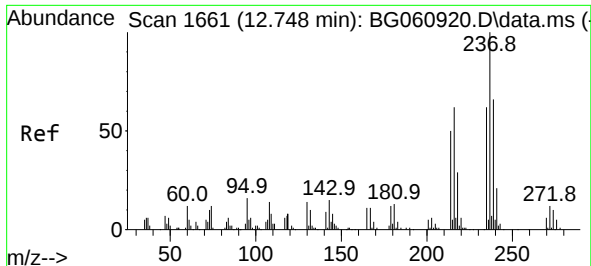
Delta R.T. -0.007 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

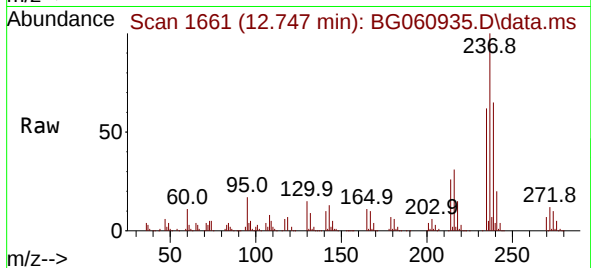
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 257437 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.4  | 62.8  | 94.2   |
| 179       | 20.7  | 15.2  | 22.8   |
| 108       | 16.4  | 12.1  | 18.1   |





#41  
Hexachlorocyclopentadiene  
Concen: 96.425 ng  
RT: 12.747 min Scan# 1661  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

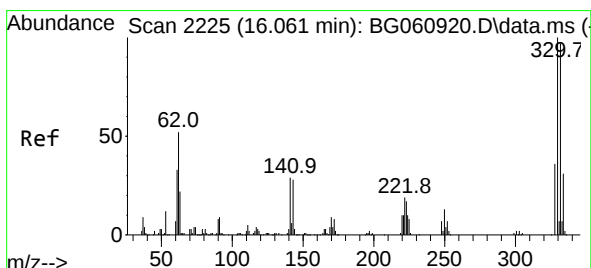
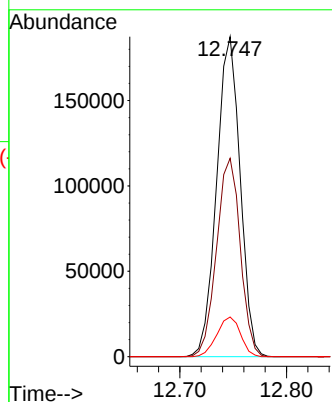
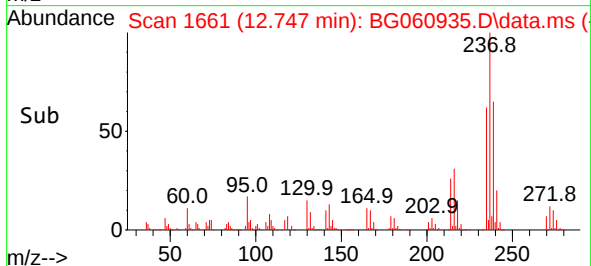
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



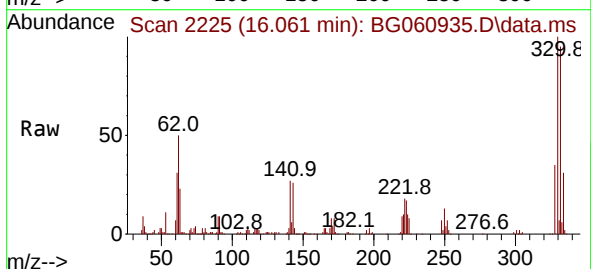
Tgt Ion:237 Resp: 286590  
Ion Ratio Lower Upper  
237 100  
235 62.0 41.8 81.8  
272 12.4 0.0 32.2

Manual Integrations  
APPROVED

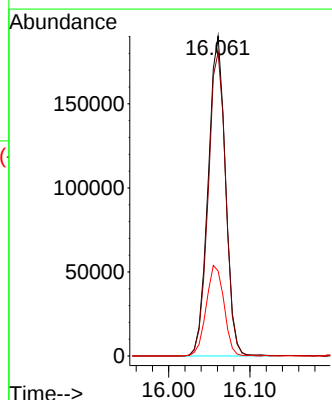
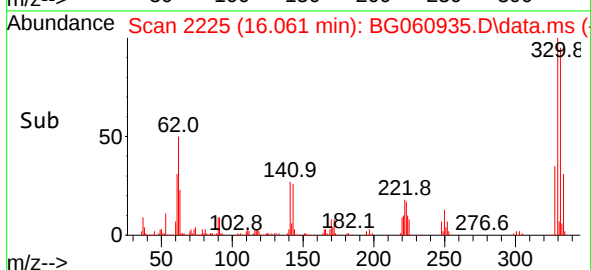
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

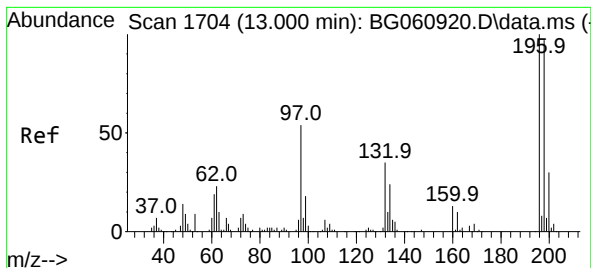


#42  
2,4,6-Tribromophenol  
Concen: 90.516 ng  
RT: 16.061 min Scan# 2225  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



Tgt Ion:330 Resp: 281672  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.9 115.3  
141 29.0 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 44.285 ng

RT: 13.000 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

Tgt Ion:196 Resp: 179000

Ion Ratio Lower Upper

196 100

198 94.6 77.9 116.9

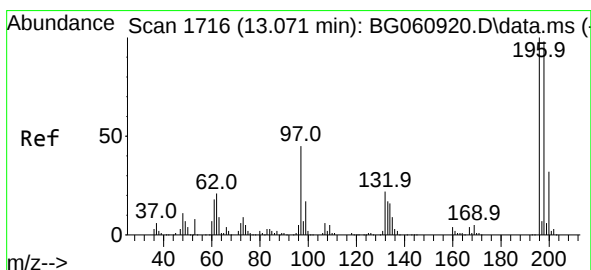
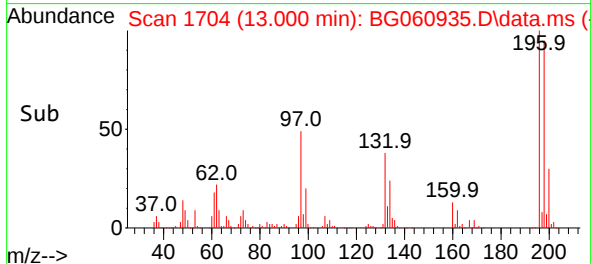
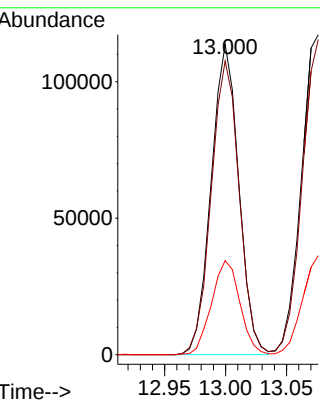
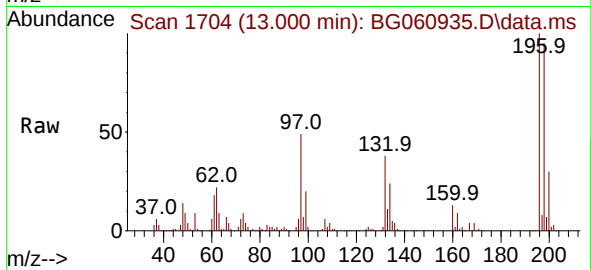
200 30.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#44

2,4,5-Trichlorophenol

Concen: 41.718 ng

RT: 13.076 min Scan# 1717

Delta R.T. 0.005 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Tgt Ion:196 Resp: 203353

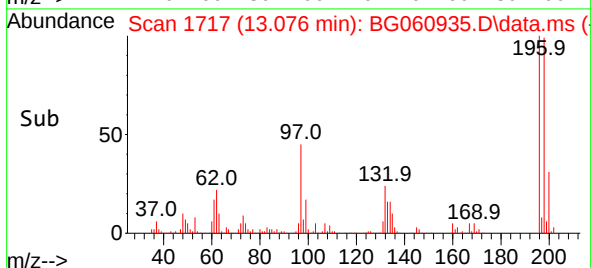
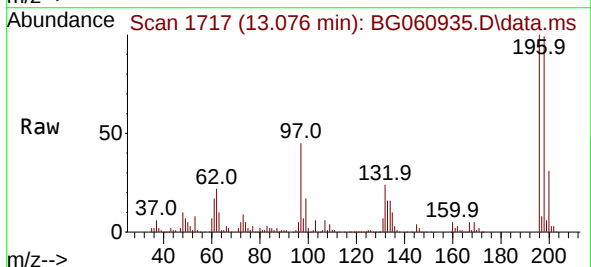
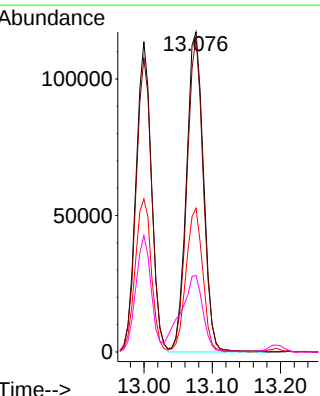
Ion Ratio Lower Upper

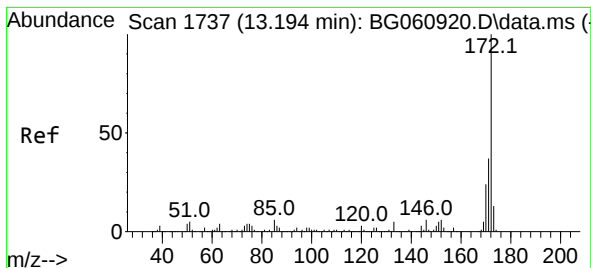
196 100

198 98.5 78.2 117.4

97 44.9 35.9 53.9

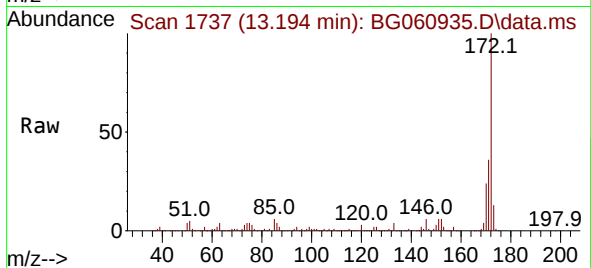
132 23.9 17.8 26.6





#45  
2-Fluorobiphenyl  
Concen: 63.744 ng  
RT: 13.194 min Scan# 1737  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

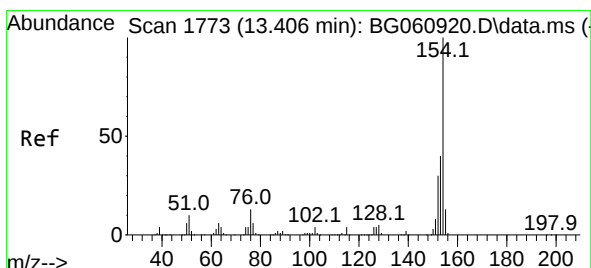
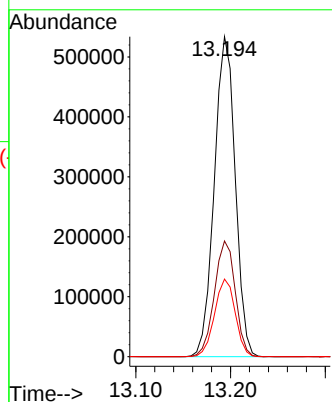
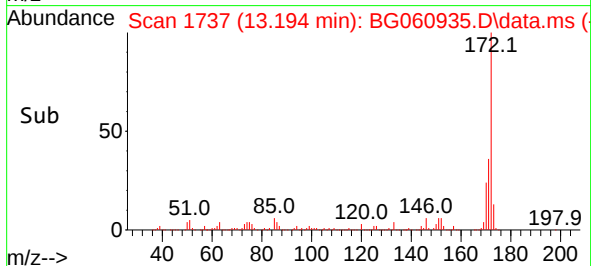
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



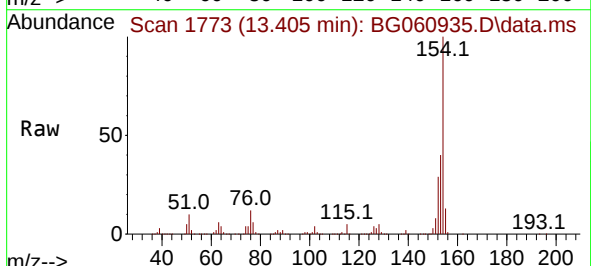
Tgt Ion:172 Resp: 818227  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.3 43.9  
170 24.3 19.5 29.3

Manual Integrations  
APPROVED

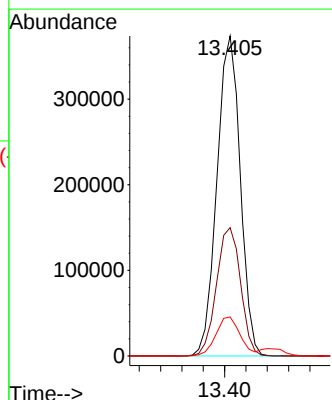
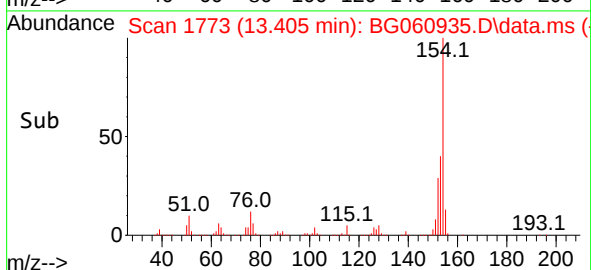
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

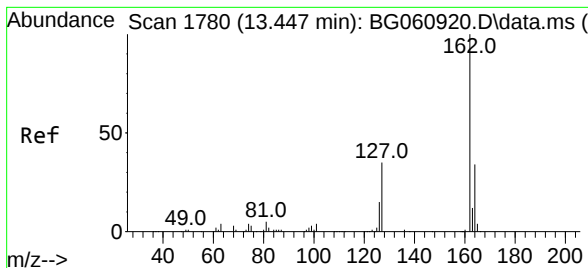


#46  
1,1'-Biphenyl  
Concen: 44.202 ng  
RT: 13.405 min Scan# 1773  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



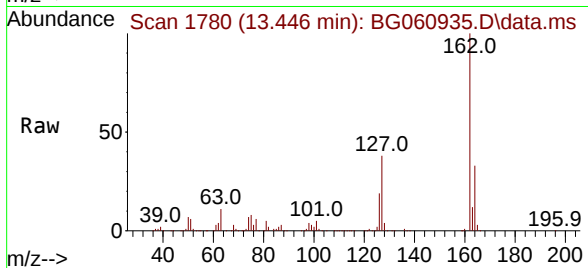
Tgt Ion:154 Resp: 566121  
Ion Ratio Lower Upper  
154 100  
153 40.1 19.9 59.9  
76 12.2 0.0 32.7





#47  
2-Chloronaphthalene  
Concen: 45.871 ng  
RT: 13.446 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

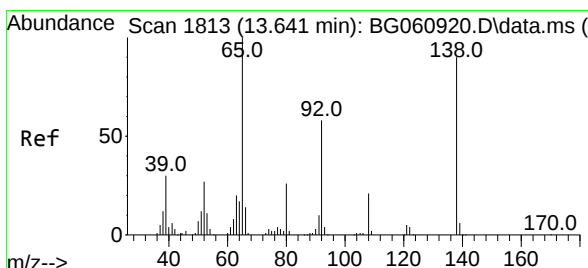
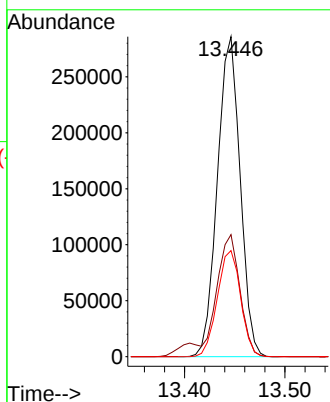
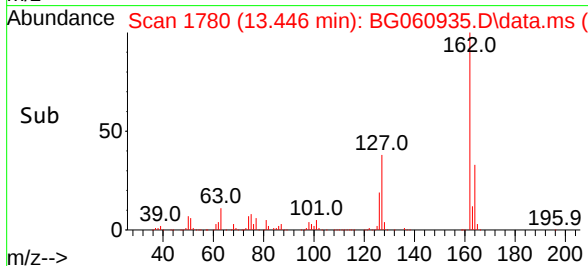
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



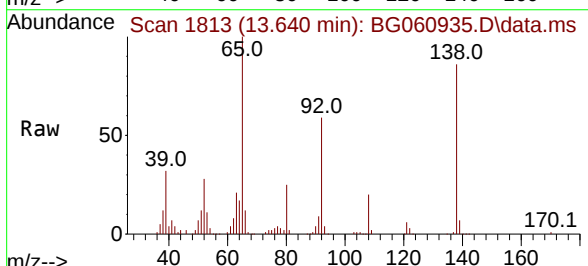
Tgt Ion:162 Resp: 449652  
Ion Ratio Lower Upper  
162 100  
127 38.1 31.0 46.6  
164 33.2 27.2 40.8

Manual Integrations  
APPROVED

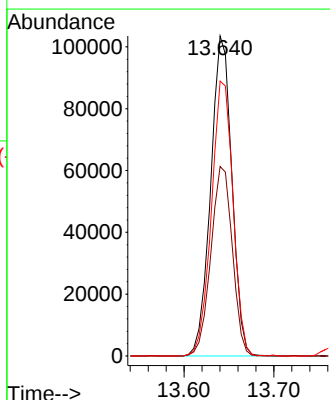
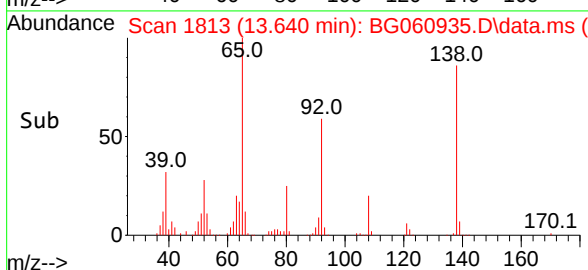
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

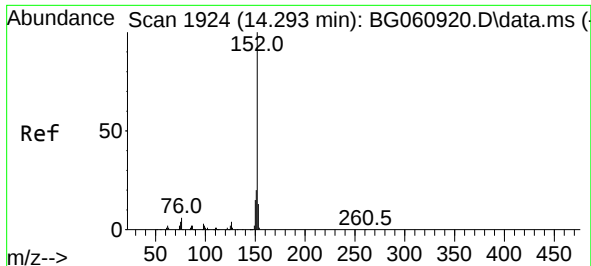


#48  
2-Nitroaniline  
Concen: 42.107 ng  
RT: 13.640 min Scan# 1813  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



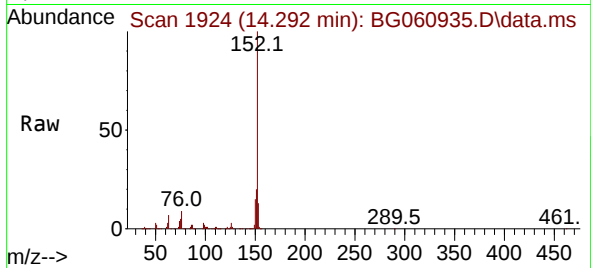
Tgt Ion: 65 Resp: 169379  
Ion Ratio Lower Upper  
65 100  
92 59.2 46.5 69.7  
138 85.9 71.8 107.8





#49  
Acenaphthylene  
Concen: 45.461 ng  
RT: 14.292 min Scan# 1924  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

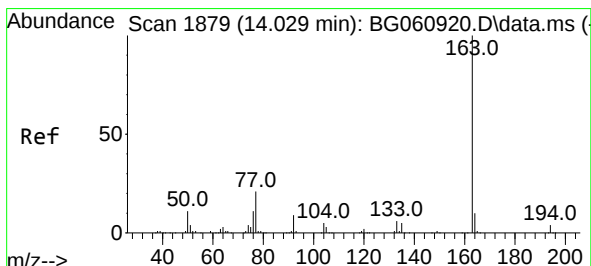
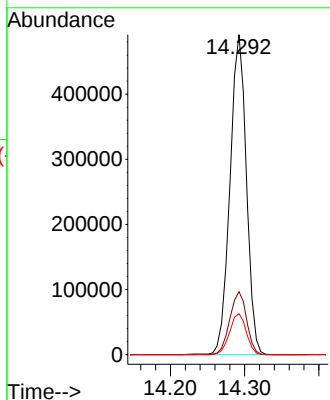
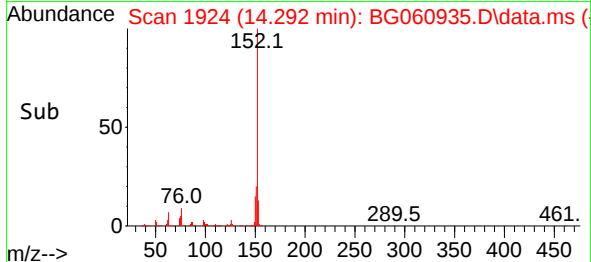
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



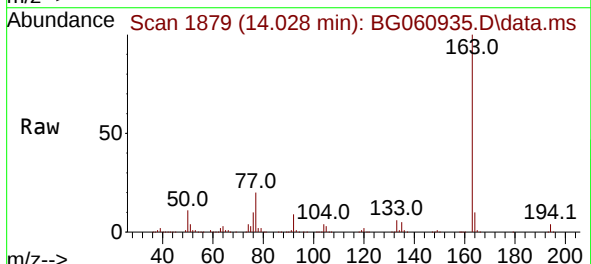
Tgt Ion:152 Resp: 753558  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.3 24.5  
153 12.8 10.4 15.6

Manual Integrations  
APPROVED

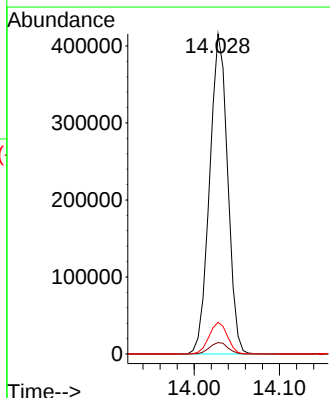
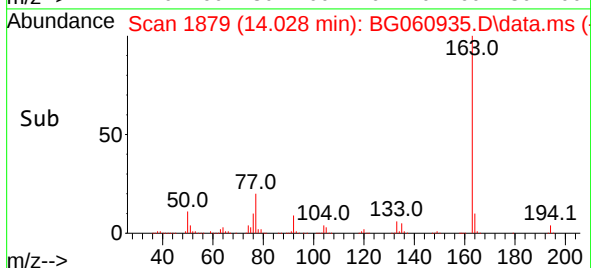
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

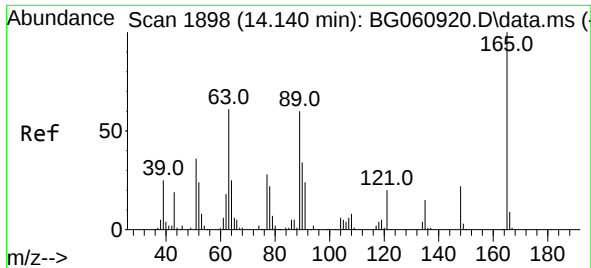


#50  
Dimethylphthalate  
Concen: 40.793 ng  
RT: 14.028 min Scan# 1879  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



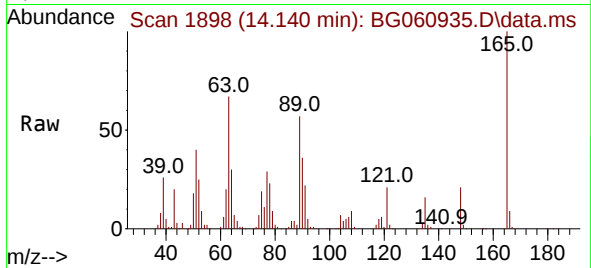
Tgt Ion:163 Resp: 609752  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.2 4.8  
164 9.9 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 41.964 ng  
RT: 14.140 min Scan# 1898  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

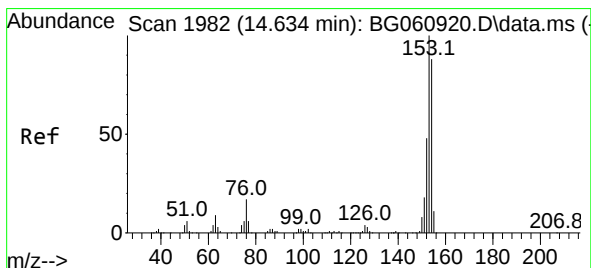
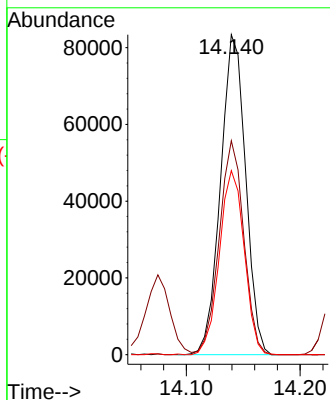
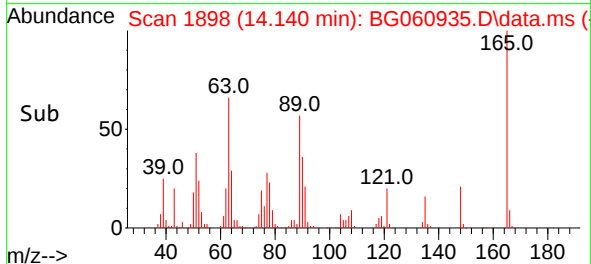
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



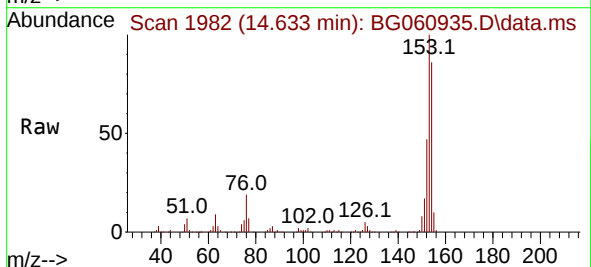
Tgt Ion:165 Resp: 127844  
Ion Ratio Lower Upper  
165 100  
63 66.8 53.8 80.8  
89 57.5 48.2 72.4

Manual Integrations  
APPROVED

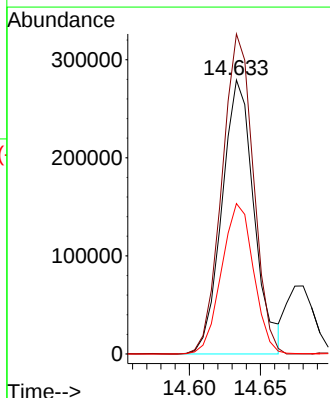
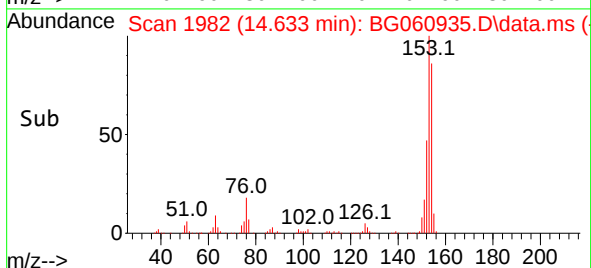
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

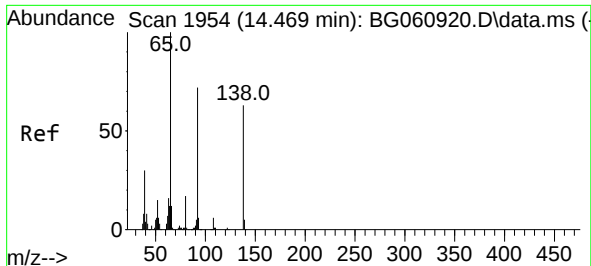


#52  
Acenaphthene  
Concen: 43.747 ng  
RT: 14.633 min Scan# 1982  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



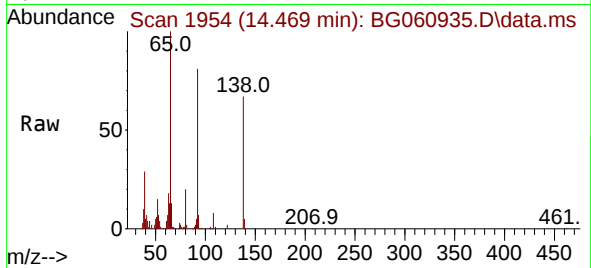
Tgt Ion:154 Resp: 439786  
Ion Ratio Lower Upper  
154 100  
153 116.8 91.4 137.0  
152 54.9 44.1 66.1





#53  
3-Nitroaniline  
Concen: 17.272 ng  
RT: 14.469 min Scan# 1954  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

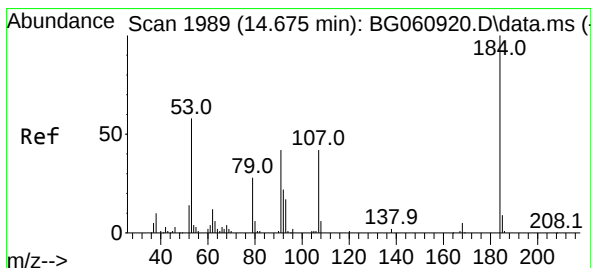
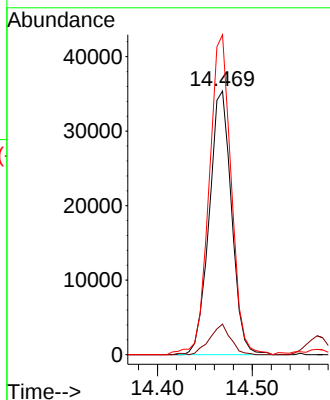
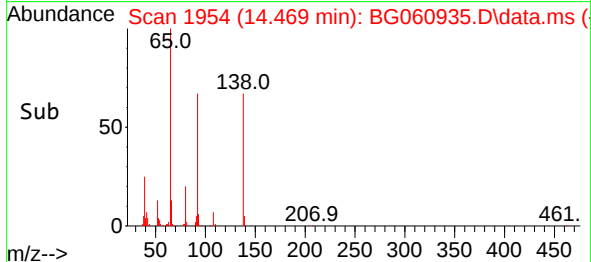
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



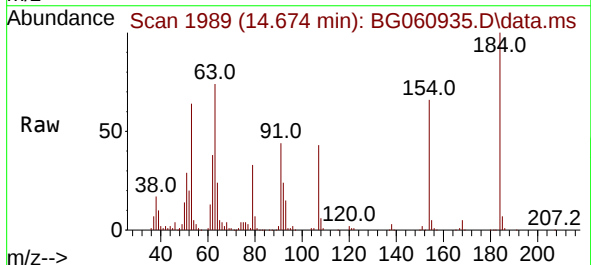
Tgt Ion:138 Resp: 5776  
Ion Ratio Lower Upper  
138 100  
108 11.6 7.5 11.3  
92 121.3 92.5 138.7

Manual Integrations  
APPROVED

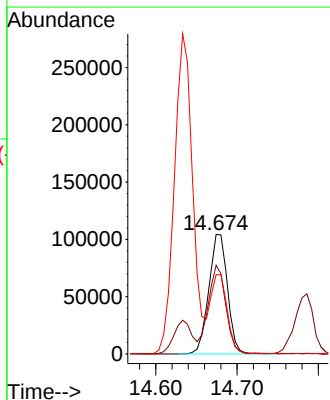
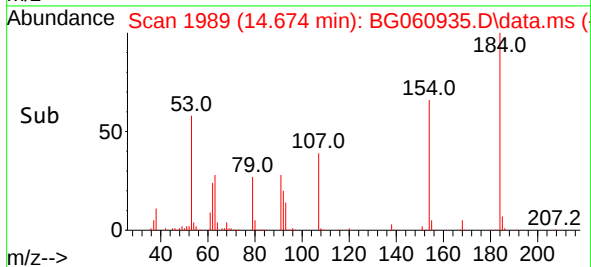
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

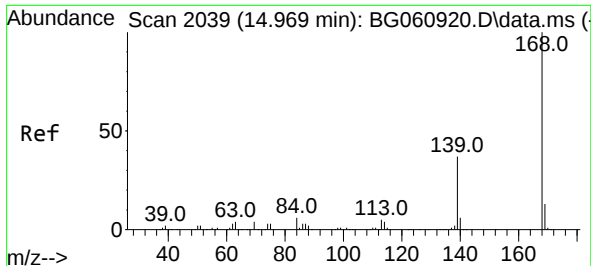


#54  
2,4-Dinitrophenol  
Concen: 85.186 ng  
RT: 14.674 min Scan# 1989  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



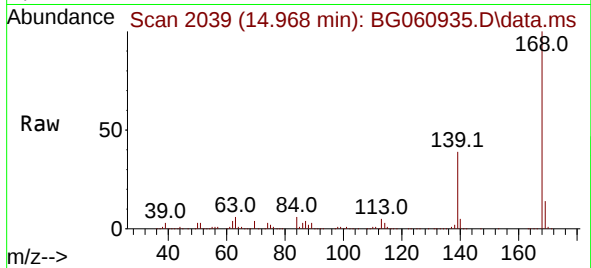
Tgt Ion:184 Resp: 166529  
Ion Ratio Lower Upper  
184 100  
63 74.2 52.0 78.0  
154 66.3 50.7 76.1





#55  
Dibenzofuran  
Concen: 41.840 ng  
RT: 14.968 min Scan# 2039  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

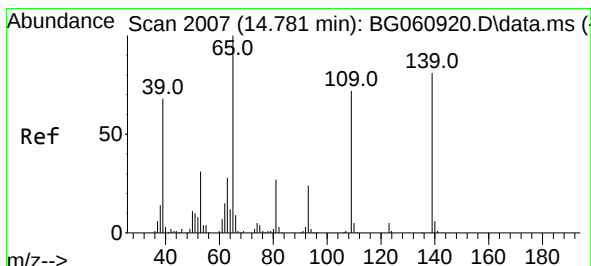
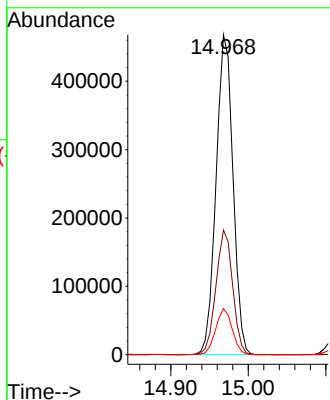
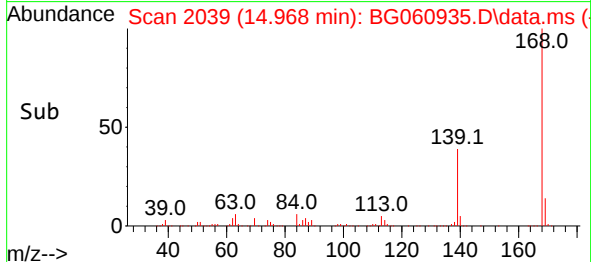
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



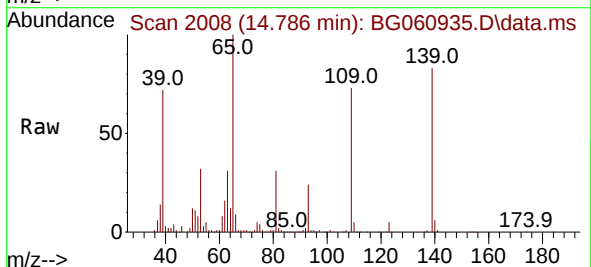
Tgt Ion:168 Resp: 710520  
Ion Ratio Lower Upper  
168 100  
139 39.0 29.9 44.9  
169 14.4 10.6 16.0

Manual Integrations  
APPROVED

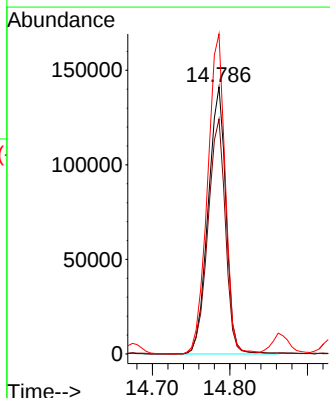
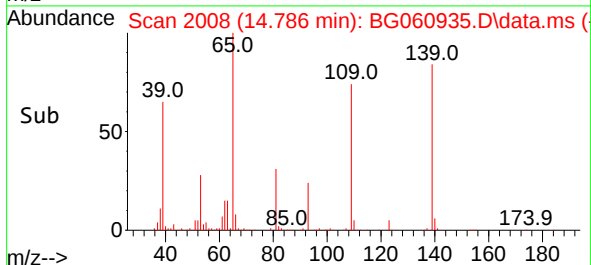
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

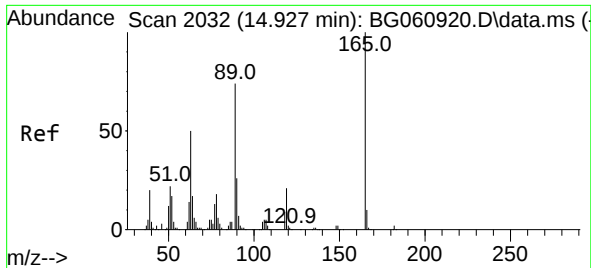


#56  
4-Nitrophenol  
Concen: 87.991 ng  
RT: 14.786 min Scan# 2008  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



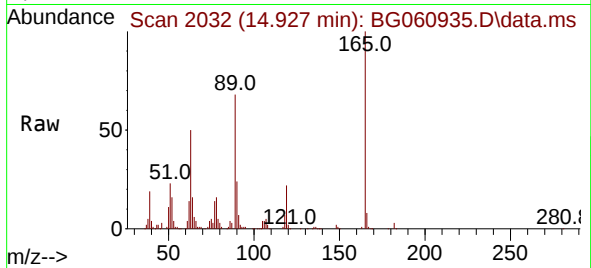
Tgt Ion:139 Resp: 225300  
Ion Ratio Lower Upper  
139 100  
109 88.0 69.7 109.7  
65 119.9 103.7 143.7





#57  
2,4-Dinitrotoluene  
Concen: 42.997 ng  
RT: 14.927 min Scan# 2032  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

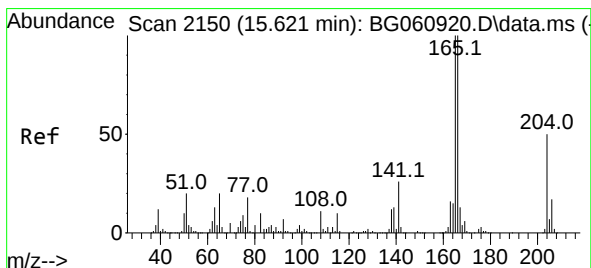
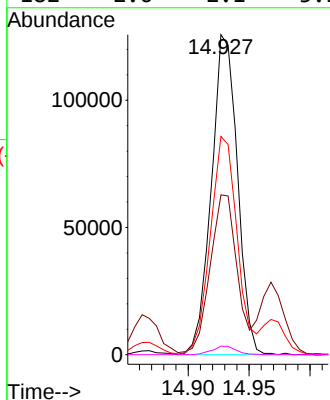
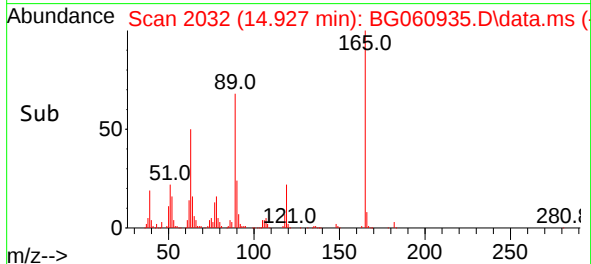
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:165 Resp: 187184  
Ion Ratio Lower Upper  
165 100  
63 49.9 40.2 60.2  
89 68.2 59.0 88.4  
182 2.6 2.1 3.1

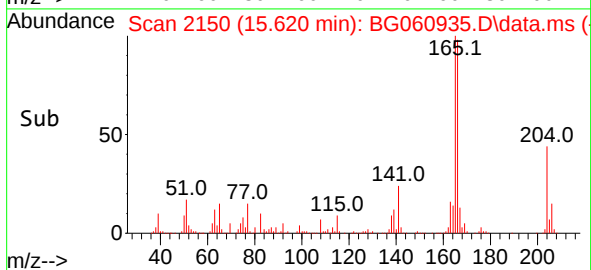
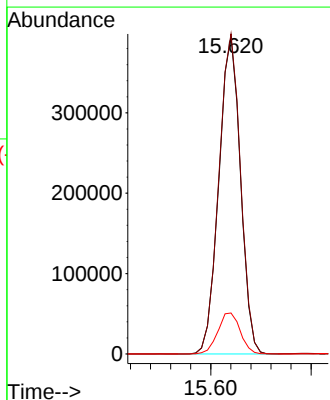
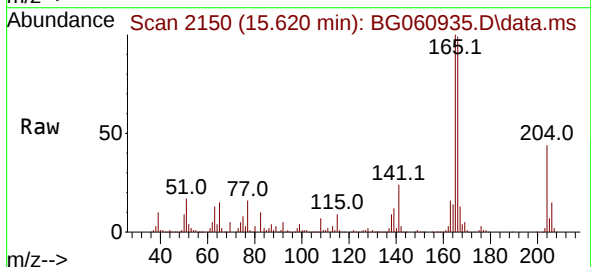
Manual Integrations  
APPROVED

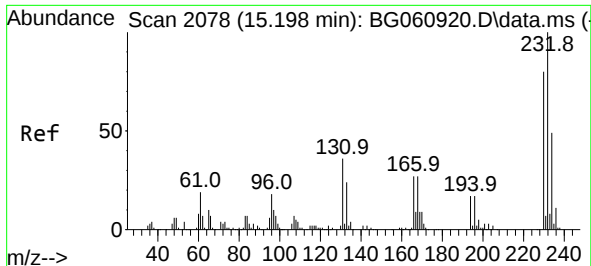
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#58  
Fluorene  
Concen: 41.842 ng  
RT: 15.620 min Scan# 2150  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:166 Resp: 589389  
Ion Ratio Lower Upper  
166 100  
165 100.7 80.2 120.4  
167 12.9 10.4 15.6





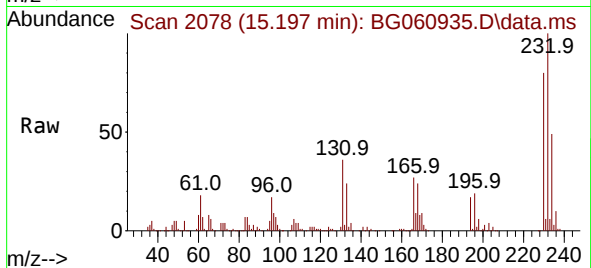
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.388 ng  
RT: 15.197 min Scan# 2078  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



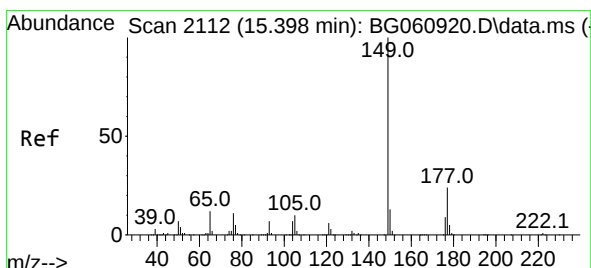
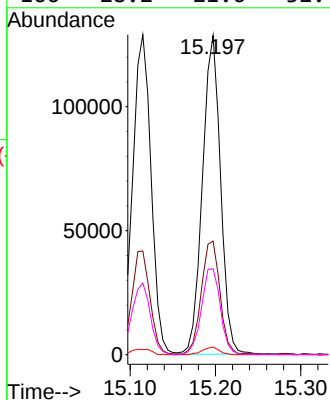
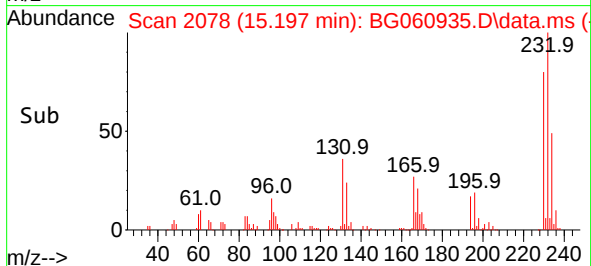
Tgt Ion:232 Resp: 18981  
Ion Ratio Lower Upper  
232 100  
131 36.7 29.8 44.8  
130 2.2 1.8 2.8  
166 28.2 21.6 32.4

Manual Integrations

APPROVED

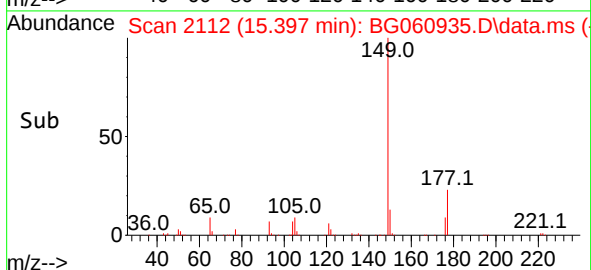
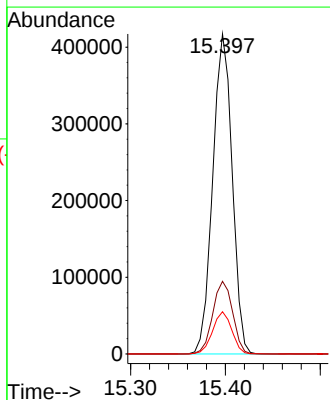
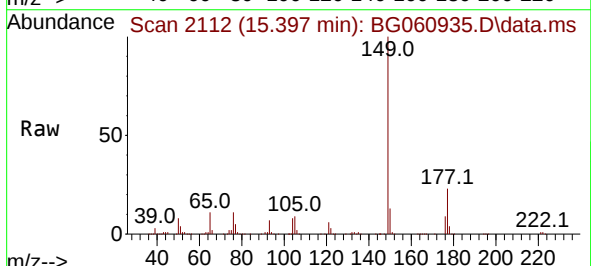
Reviewed By :Yogesh Patel 04/22/2024

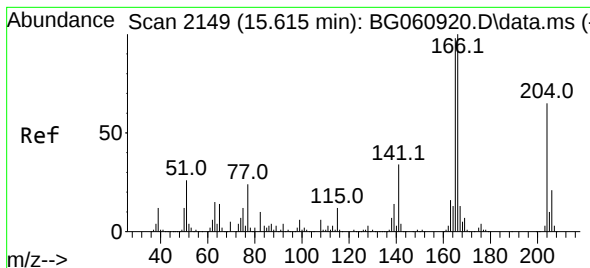
Supervised By :mohammad ahmed 04/22/2024



#60  
Diethylphthalate  
Concen: 39.713 ng  
RT: 15.397 min Scan# 2112  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

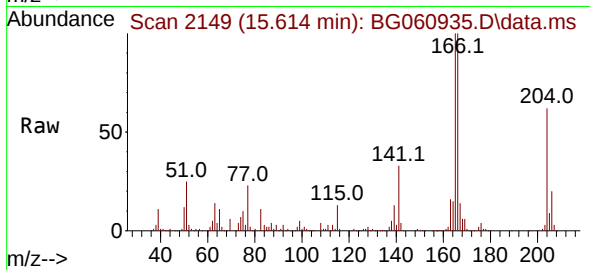
Tgt Ion:149 Resp: 594568  
Ion Ratio Lower Upper  
149 100  
177 22.7 19.0 28.4  
150 13.2 10.5 15.7





#61  
4-Chlorophenyl-phenylether  
Concen: 39.872 ng  
RT: 15.614 min Scan# 2149  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

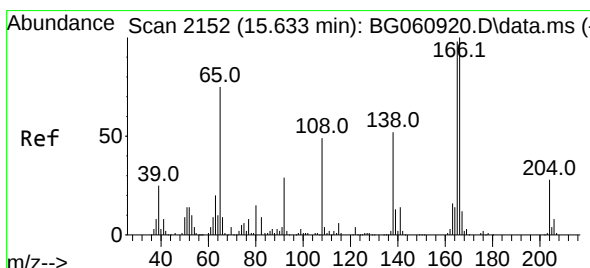
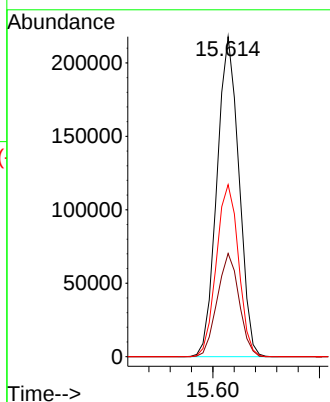
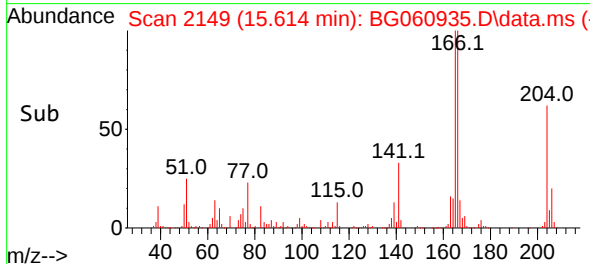
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



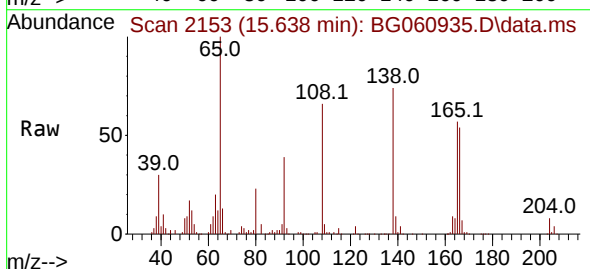
Tgt Ion:204 Resp: 31133  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.4 38.0  
141 53.7 42.0 63.0

Manual Integrations  
APPROVED

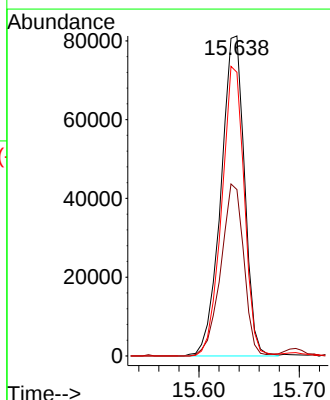
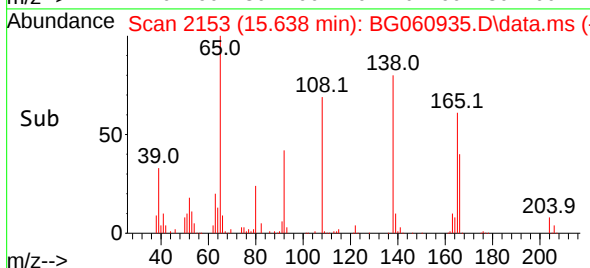
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

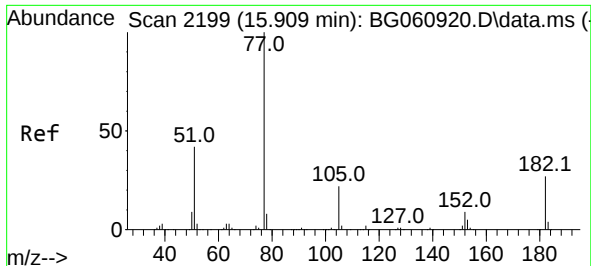


#62  
4-Nitroaniline  
Concen: 36.796 ng  
RT: 15.638 min Scan# 2153  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



Tgt Ion:138 Resp: 132310  
Ion Ratio Lower Upper  
138 100  
92 52.0 34.8 74.8  
108 88.7 73.9 113.9





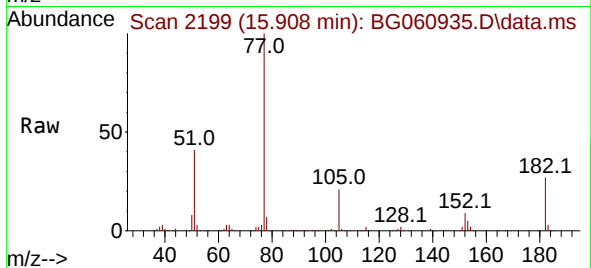
#63  
Azobenzene  
Concen: 40.711 ng  
RT: 15.908 min Scan# 2199  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



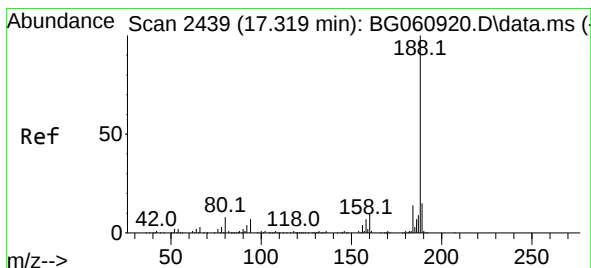
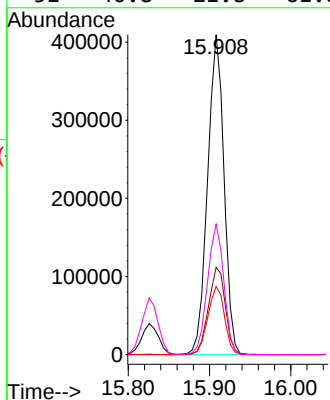
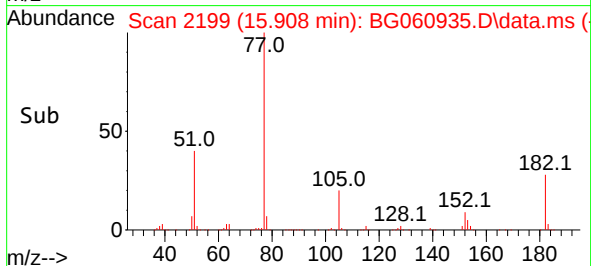
Tgt Ion: 77 Resp: 574452  
Ion Ratio Lower Upper  
77 100  
182 27.3 6.8 46.8  
105 21.3 1.7 41.7  
51 40.8 21.8 61.8

Manual Integrations

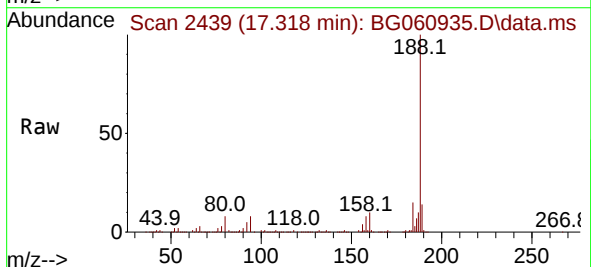
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

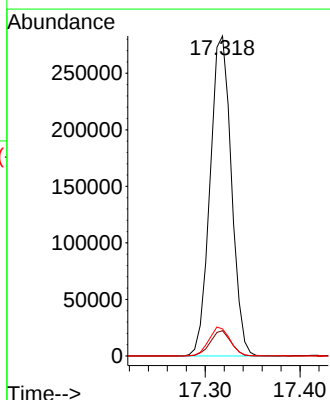
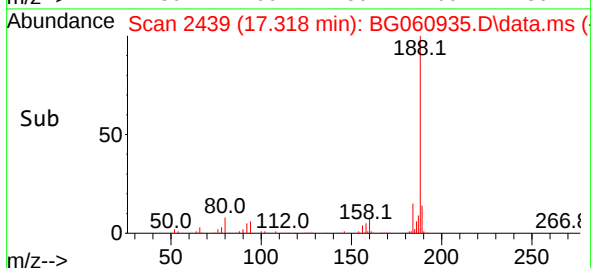
Supervised By :mohammad ahmed 04/22/2024

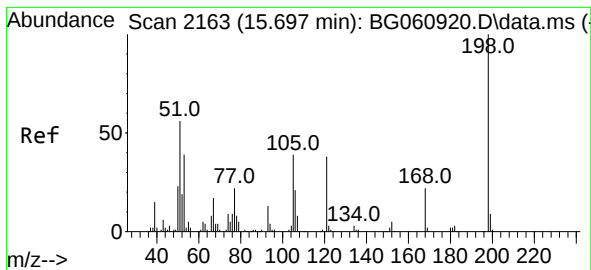


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.318 min Scan# 2439  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



Tgt Ion:188 Resp: 442196  
Ion Ratio Lower Upper  
188 100  
94 7.9 5.7 8.5  
80 8.5 6.6 9.8





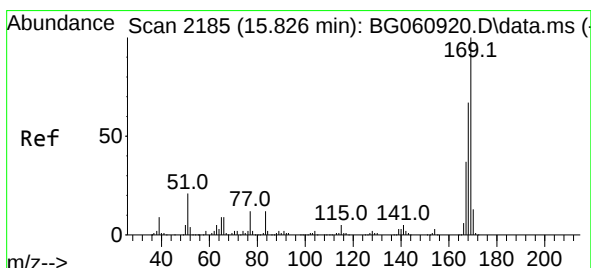
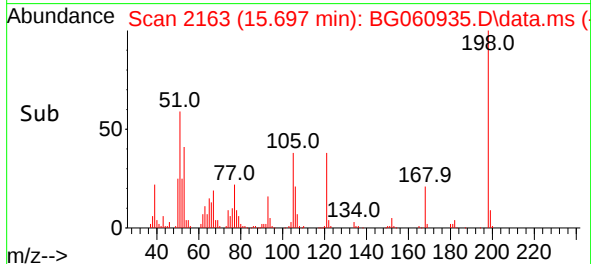
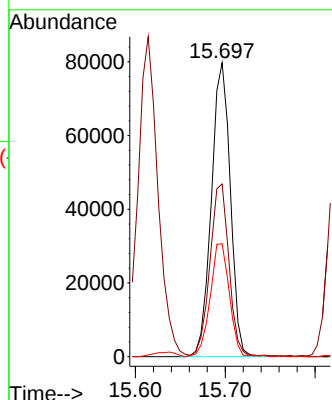
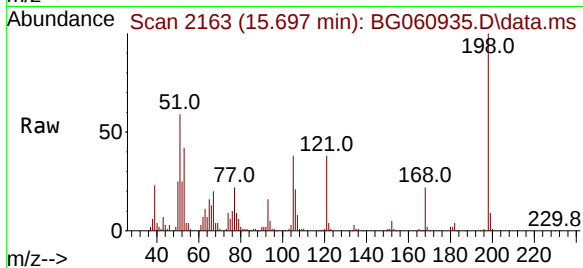
#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.371 ng  
RT: 15.697 min Scan# 2163  
Delta R.T. -0.000 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS

Tgt Ion:198 Resp: 11686  
Ion Ratio Lower Upper  
198 100  
51 58.8 38.2 78.2  
105 38.4 19.7 59.7

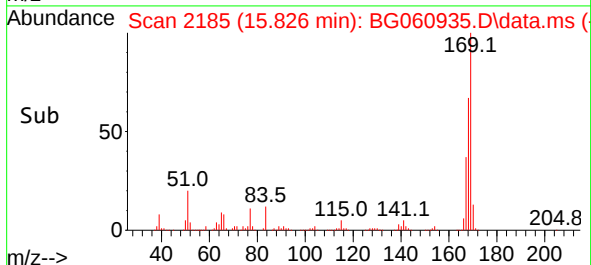
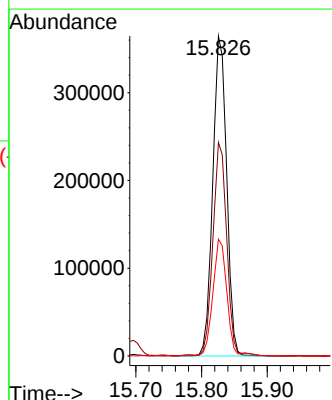
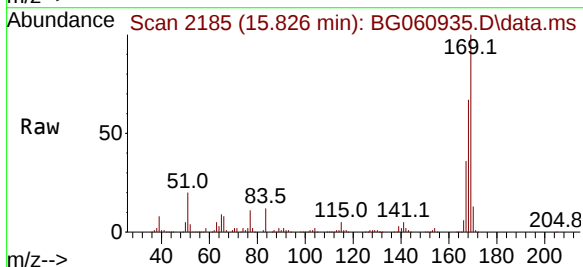
Manual Integrations  
APPROVED

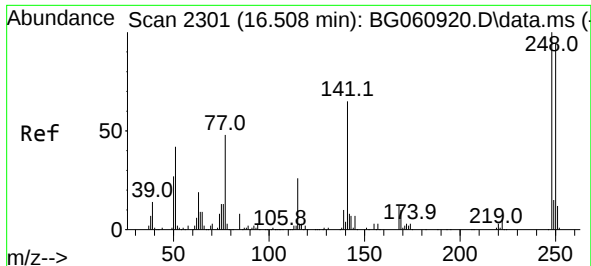
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#66  
n-Nitrosodiphenylamine  
Concen: 43.987 ng  
RT: 15.826 min Scan# 2185  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

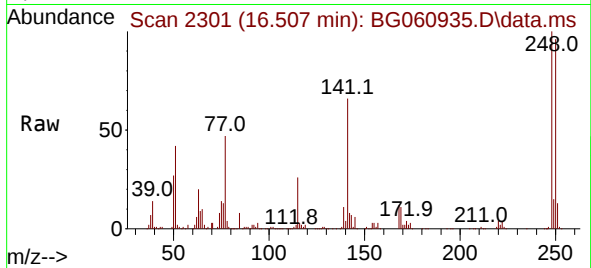
Tgt Ion:169 Resp: 533953  
Ion Ratio Lower Upper  
169 100  
168 66.7 53.7 80.5  
167 36.5 29.8 44.6





#67  
4-Bromophenyl-phenylether  
Concen: 43.391 ng  
RT: 16.507 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

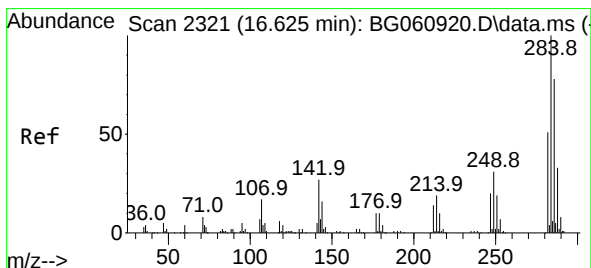
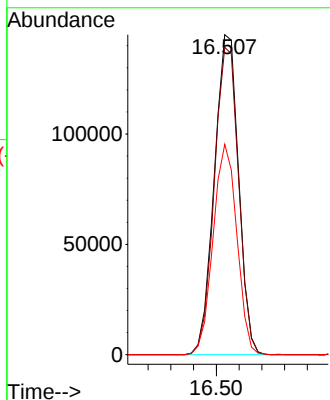
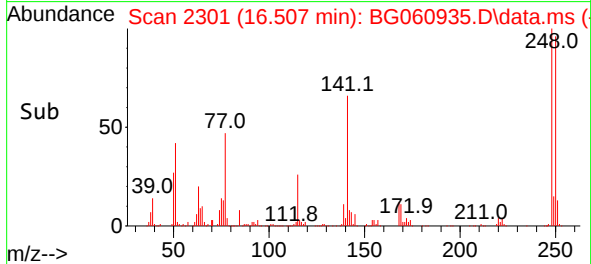
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



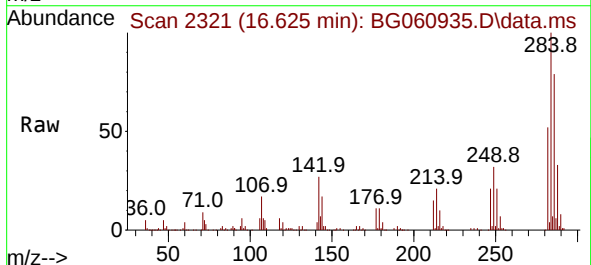
Tgt Ion:248 Resp: 21494  
Ion Ratio Lower Upper  
248 100  
250 96.1 75.4 113.2  
141 65.7 52.2 78.2

Manual Integrations  
APPROVED

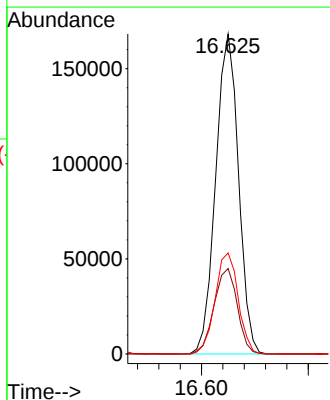
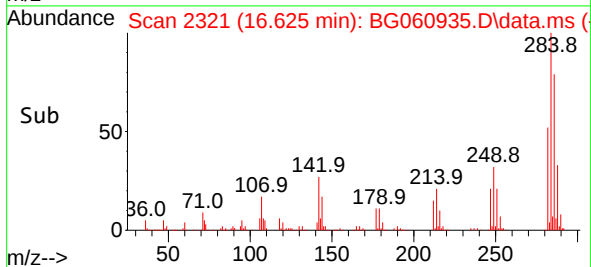
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024

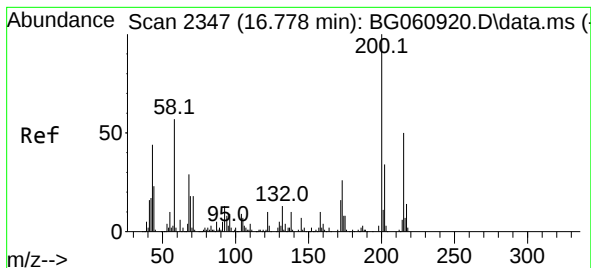


#68  
Hexachlorobenzene  
Concen: 46.240 ng  
RT: 16.625 min Scan# 2321  
Delta R.T. -0.000 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58



Tgt Ion:284 Resp: 249241  
Ion Ratio Lower Upper  
284 100  
142 26.7 21.2 31.8  
249 31.5 24.9 37.3





#69

Atrazine

Concen: 47.708 ng

RT: 16.778 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

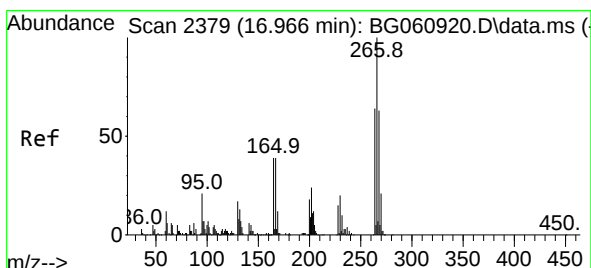
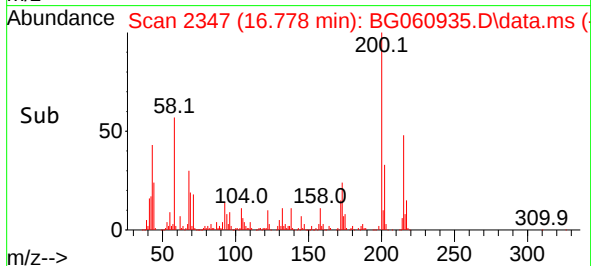
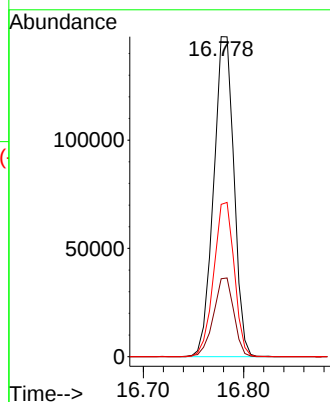
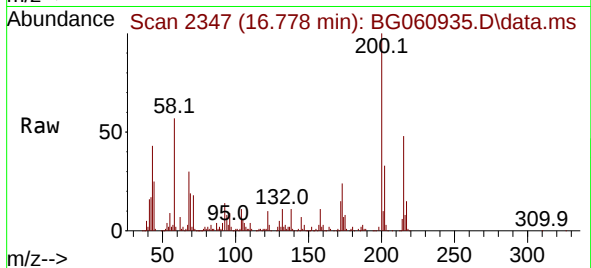
Tgt Ion:200 Resp: 20813  
 Ion Ratio Lower Upper  
 200 100  
 173 24.3 6.5 46.5  
 215 47.6 30.4 70.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#70

Pentachlorophenol

Concen: 92.064 ng

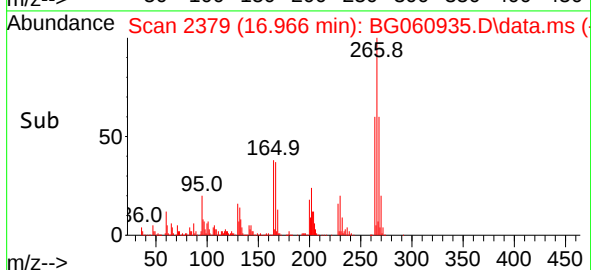
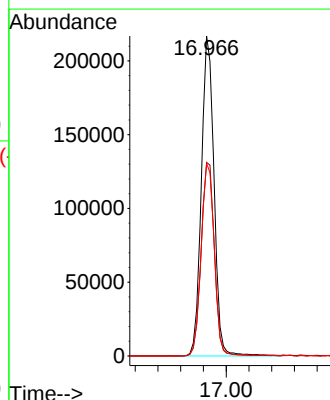
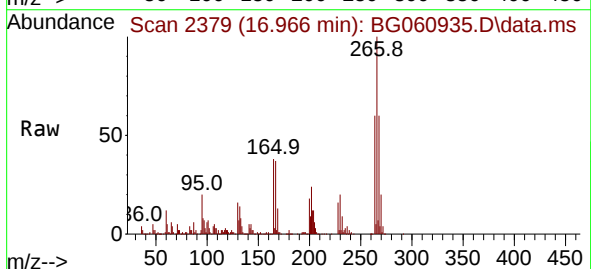
RT: 16.966 min Scan# 2379

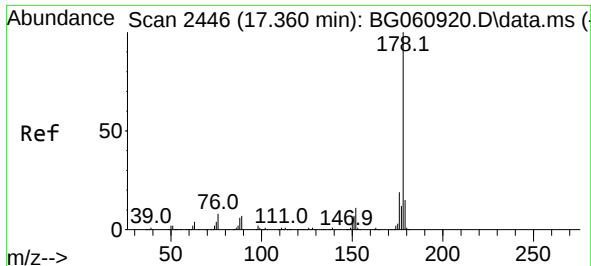
Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

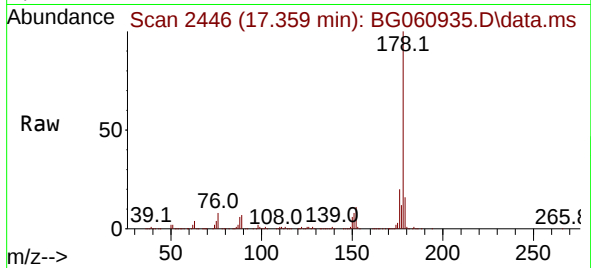
Tgt Ion:266 Resp: 336072  
 Ion Ratio Lower Upper  
 266 100  
 268 60.4 50.2 75.2  
 264 60.3 51.2 76.8





#71  
Phenanthrene  
Concen: 53.349 ng  
RT: 17.359 min Scan# 2446  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

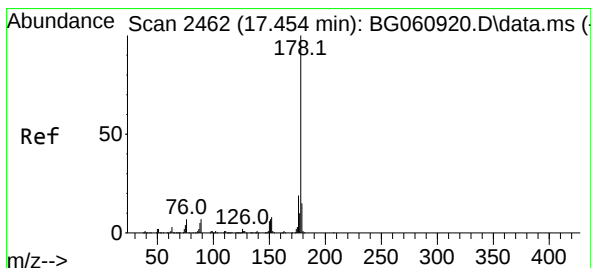
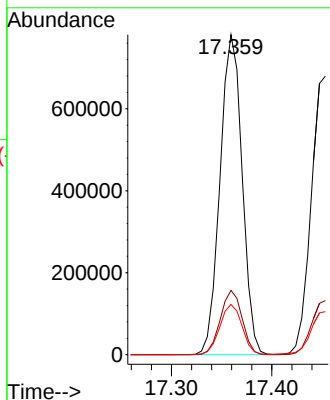
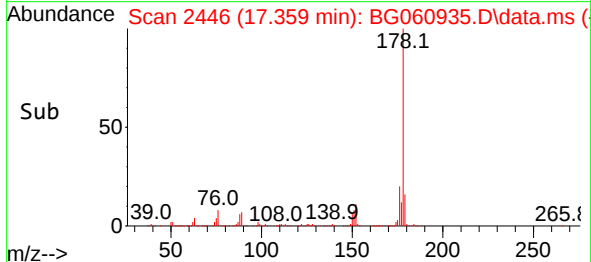
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:178 Resp: 1194084  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.4 23.2  
179 15.7 12.0 18.0

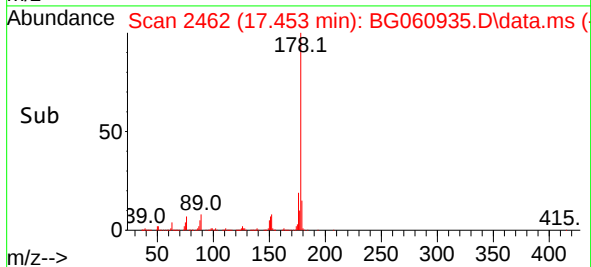
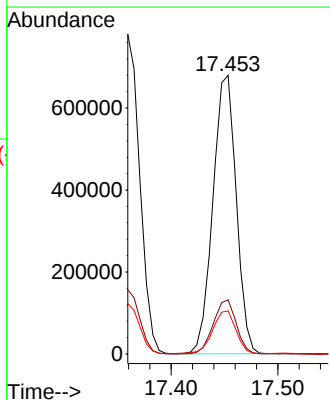
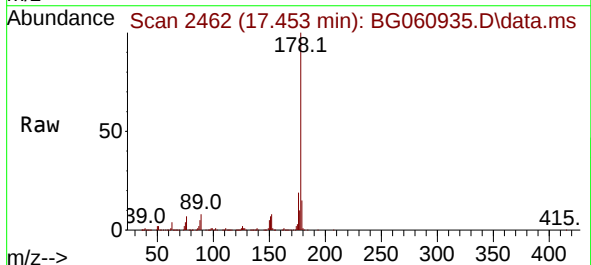
Manual Integrations  
APPROVED

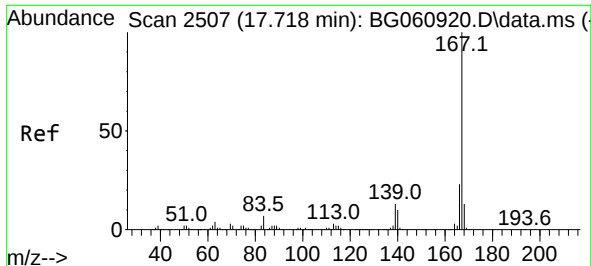
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#72  
Anthracene  
Concen: 44.788 ng  
RT: 17.453 min Scan# 2462  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

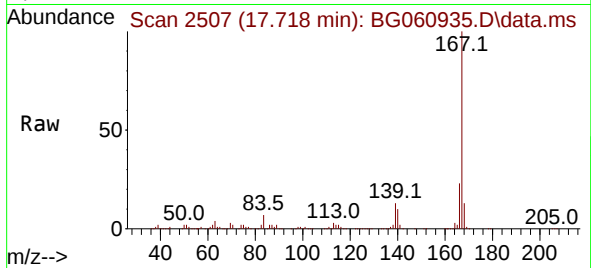
Tgt Ion:178 Resp: 1029733  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.0 22.4  
179 15.5 11.6 17.4





#73  
 Carbazole  
 Concen: 44.274 ng  
 RT: 17.718 min Scan# 2507  
 Delta R.T. -0.001 min  
 Lab File: BG060935.D  
 Acq: 18 Apr 2024 13:58

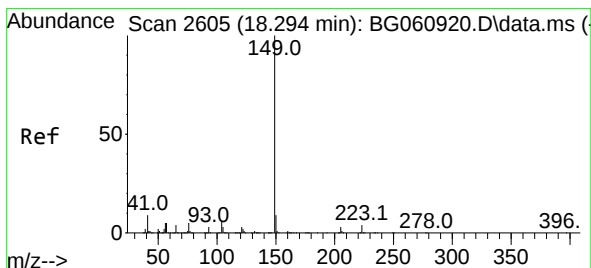
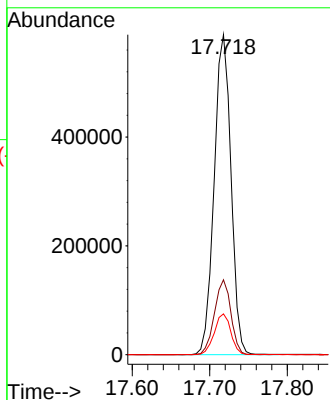
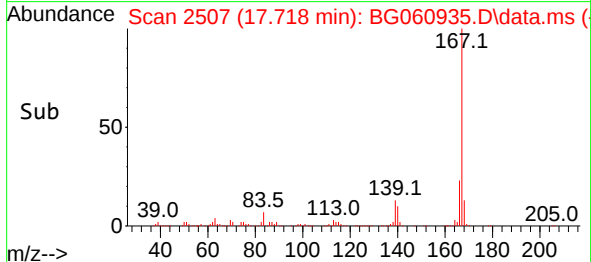
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ARCOLA-SP-1MS



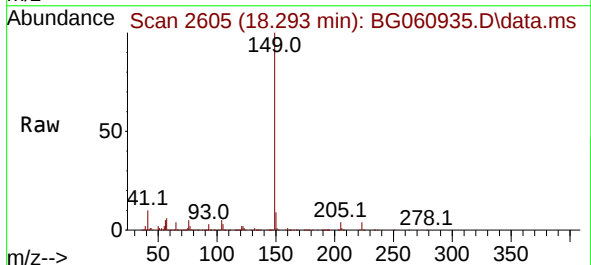
Tgt Ion:167 Resp: 886869  
 Ion Ratio Lower Upper  
 167 100  
 166 23.4 18.4 27.6  
 139 12.7 10.1 15.1

Manual Integrations  
 APPROVED

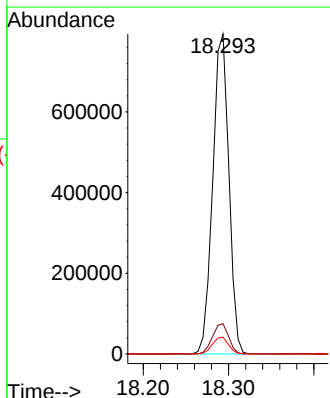
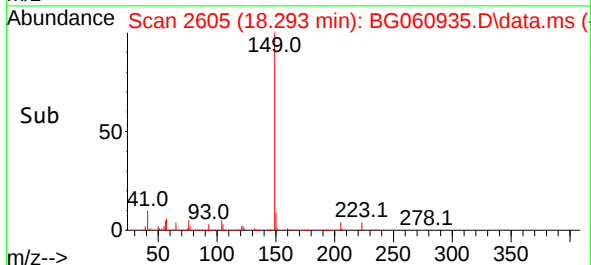
Reviewed By :Yogesh Patel 04/22/2024  
 Supervised By :mohammad ahmed 04/22/2024

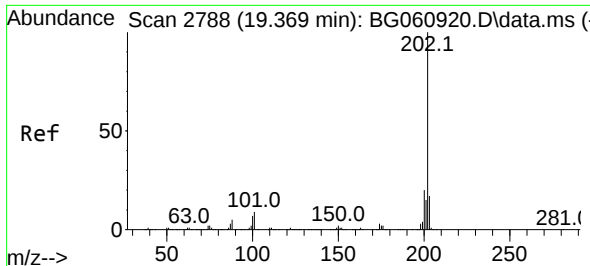


#74  
 Di-n-butylphthalate  
 Concen: 43.222 ng  
 RT: 18.293 min Scan# 2605  
 Delta R.T. -0.001 min  
 Lab File: BG060935.D  
 Acq: 18 Apr 2024 13:58



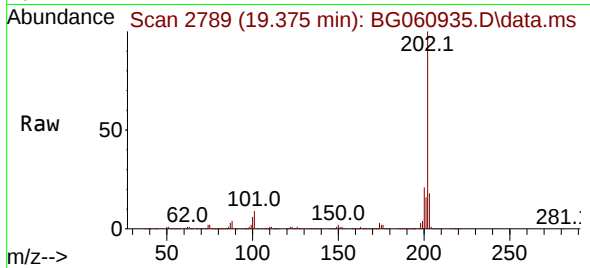
Tgt Ion:149 Resp: 1042338  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.5 11.3  
 104 5.3 4.6 6.8





#75  
Fluoranthene  
Concen: 53.849 ng  
RT: 19.375 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

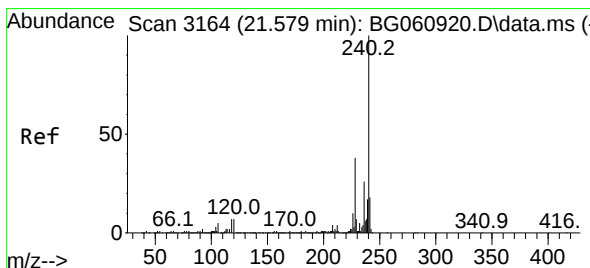
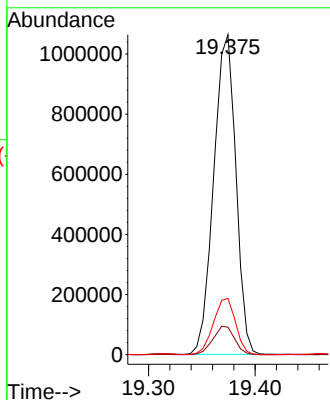
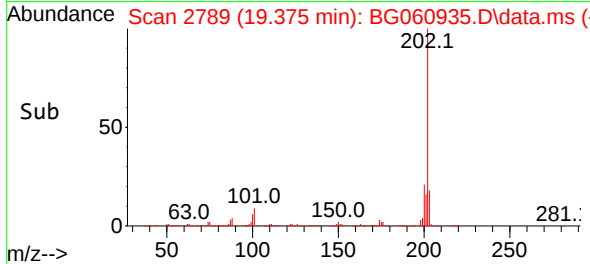
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:202 Resp: 1534110  
Ion Ratio Lower Upper  
202 100  
101 8.6 0.0 28.6  
203 17.6 0.0 37.3

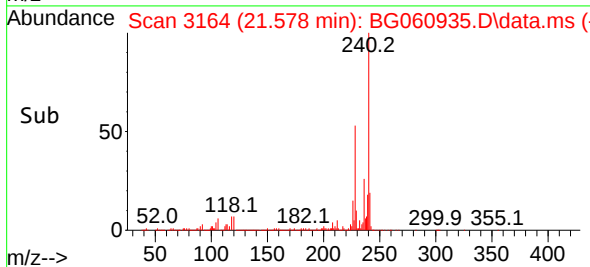
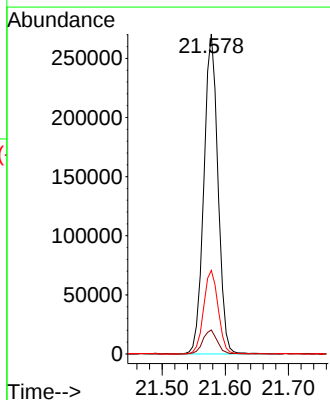
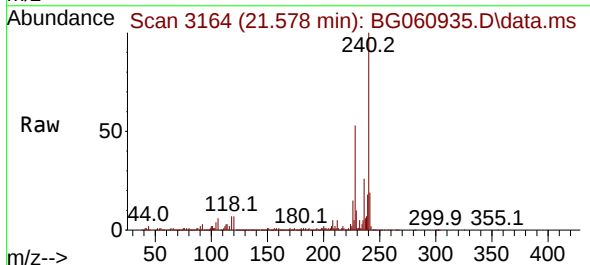
Manual Integrations  
APPROVED

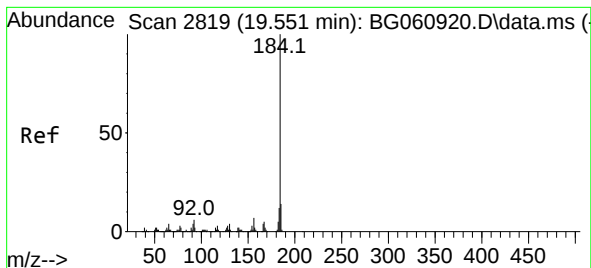
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.578 min Scan# 3164  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:240 Resp: 421245  
Ion Ratio Lower Upper  
240 100  
120 7.5 5.7 8.5  
236 26.1 21.1 31.7





#77

Benzidine

Concen: 39.306 ng

RT: 19.551 min Scan# 2819

Delta R.T. -0.001 min

Lab File: BG060935.D

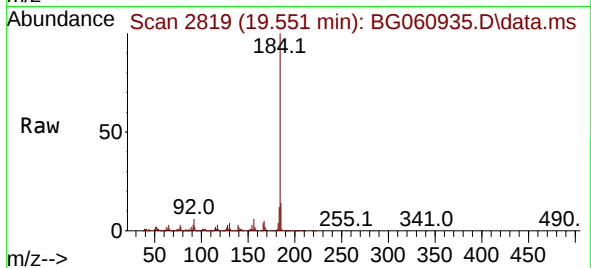
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



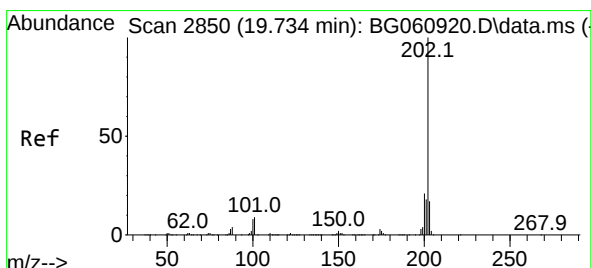
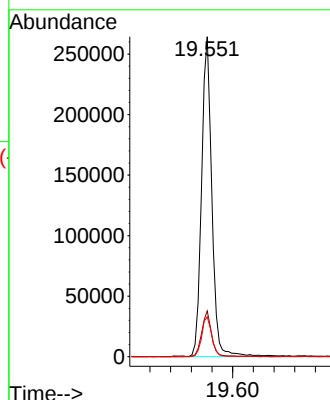
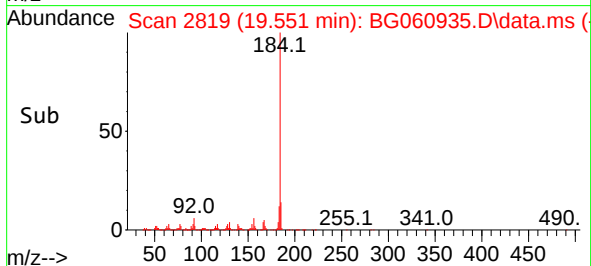
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 36521 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.3  | 11.4  | 17.0  |
| 183       | 12.5  | 9.4   | 14.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#78

Pyrene

Concen: 52.805 ng

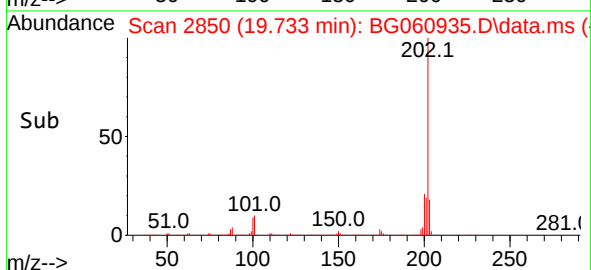
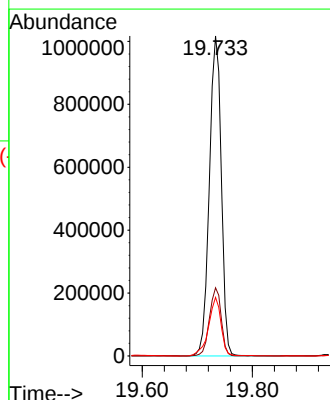
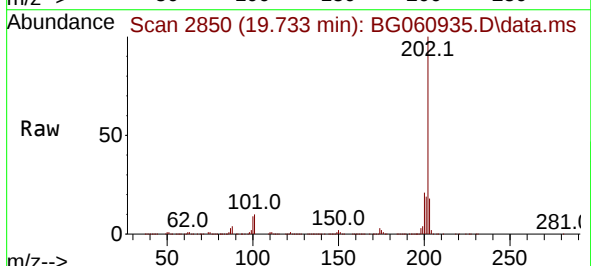
RT: 19.733 min Scan# 2850

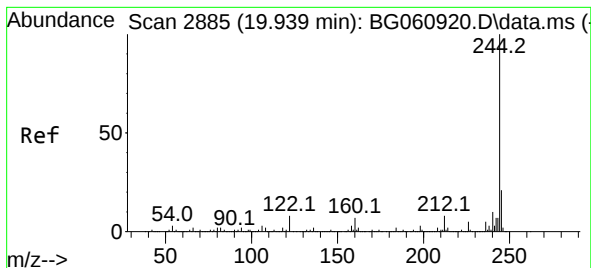
Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1525896 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.3  | 16.7  | 25.1    |
| 203       | 18.3  | 13.8  | 20.8    |





#79

Terphenyl-d14

Concen: 61.074 ng

RT: 19.939 min Scan# 2885

Delta R.T. -0.001 min

Lab File: BG060935.D

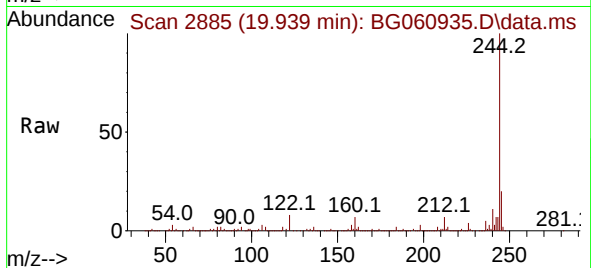
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



Tgt Ion:244 Resp: 147414

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

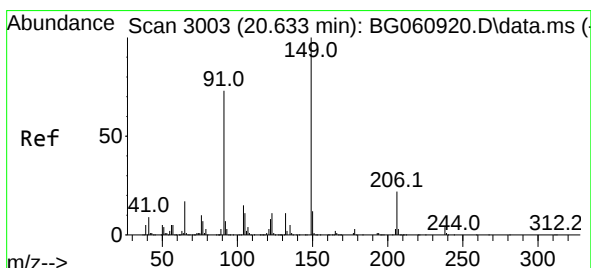
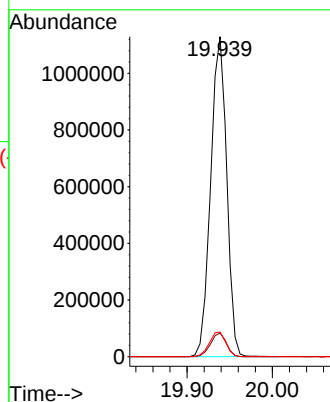
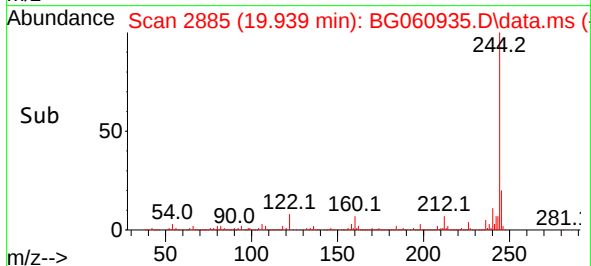
122 7.7 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#80

Butylbenzylphthalate

Concen: 42.883 ng

RT: 20.632 min Scan# 3003

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

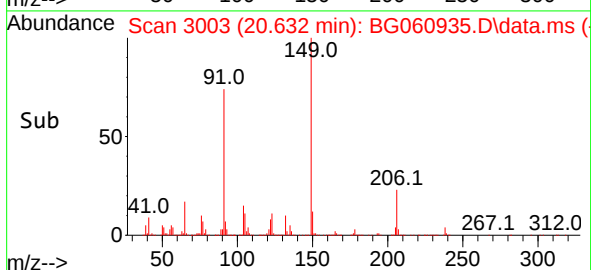
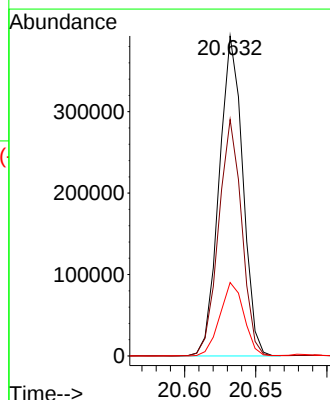
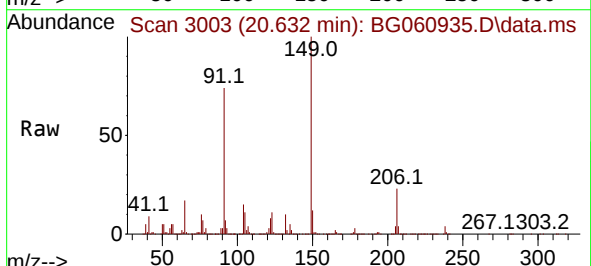
Tgt Ion:149 Resp: 455147

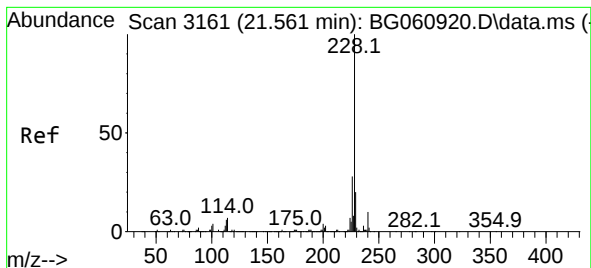
Ion Ratio Lower Upper

149 100

91 73.9 58.7 88.1

206 23.0 18.0 27.0





#81

Benzo(a)anthracene

Concen: 48.834 ng

RT: 21.560 min Scan# 3161

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS

Tgt Ion:228 Resp: 145262

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

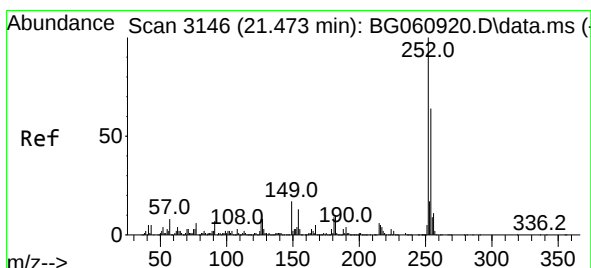
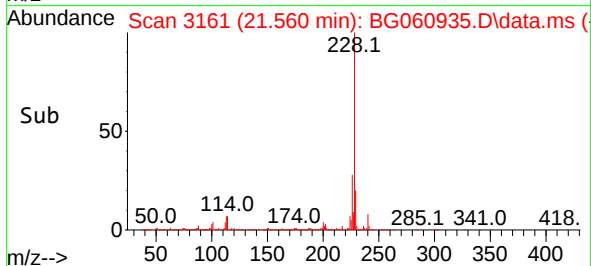
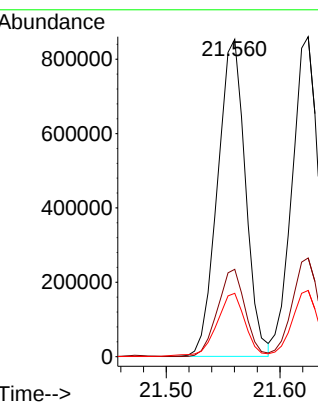
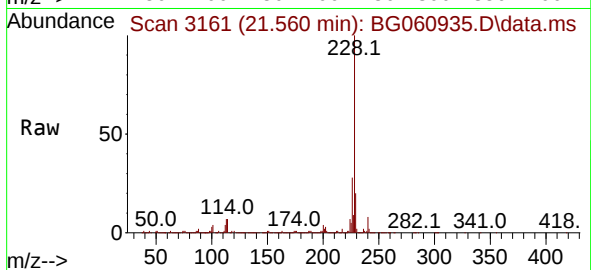
229 20.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#82

3,3'-Dichlorobenzidine

Concen: 22.225 ng

RT: 21.472 min Scan# 3146

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

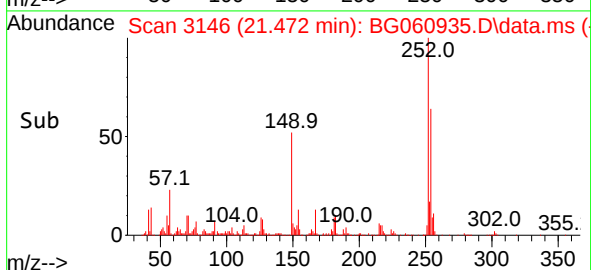
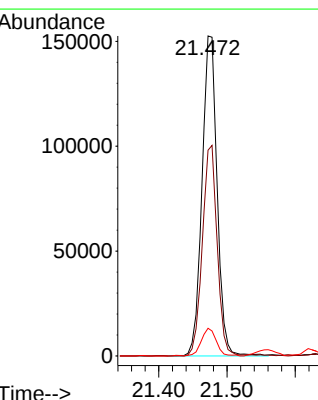
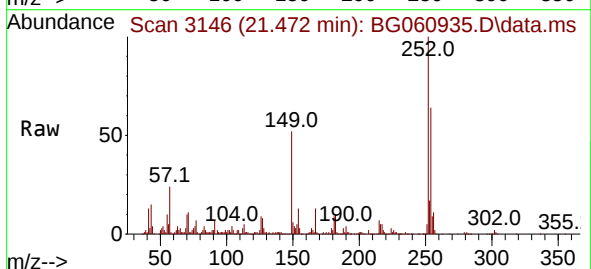
Tgt Ion:252 Resp: 235422

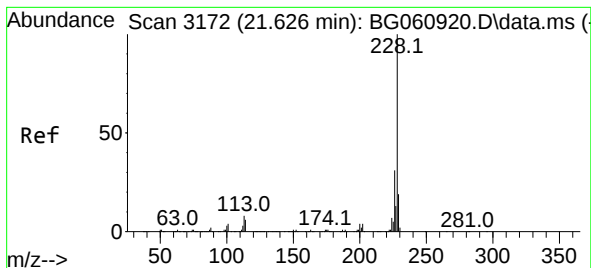
Ion Ratio Lower Upper

252 100

254 64.3 51.5 77.3

126 8.7 6.5 9.7





#83

Chrysene

Concen: 48.566 ng

RT: 21.625 min Scan# 3172

Delta R.T. -0.001 min

Lab File: BG060935.D

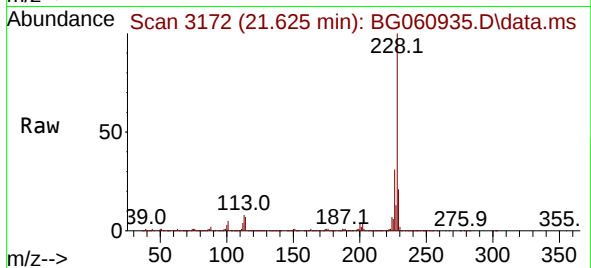
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



Tgt Ion:228 Resp: 1379334

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

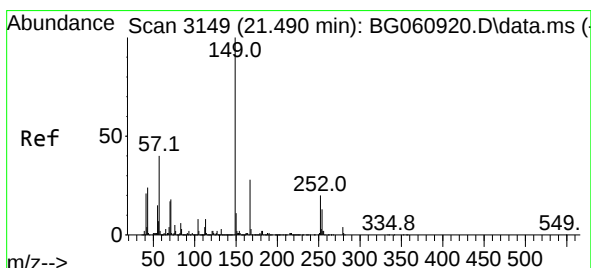
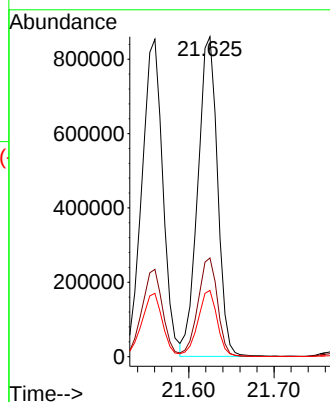
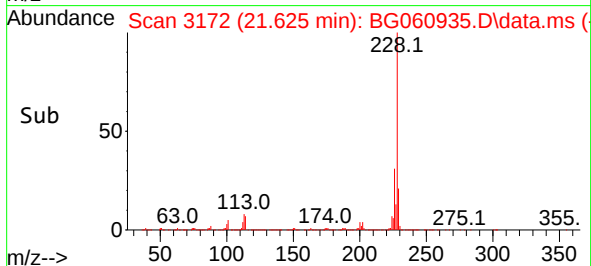
229 20.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.509 ng

RT: 21.490 min Scan# 3149

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

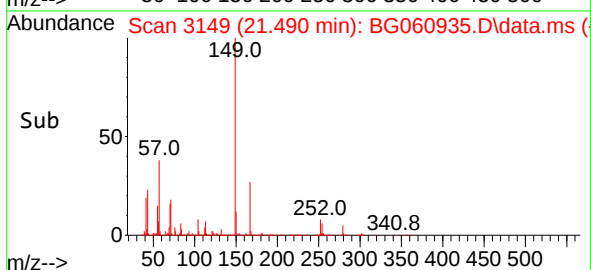
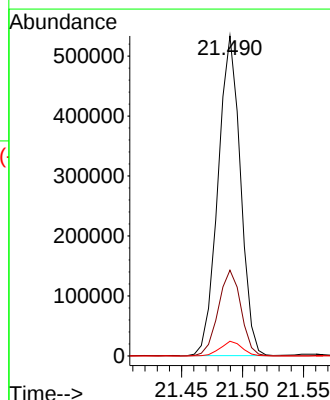
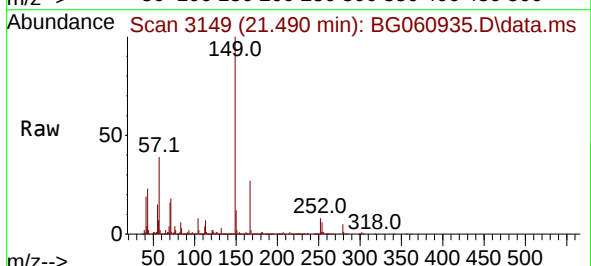
Tgt Ion:149 Resp: 682858

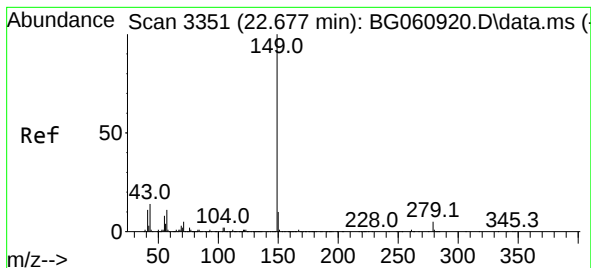
Ion Ratio Lower Upper

149 100

167 26.8 22.4 33.6

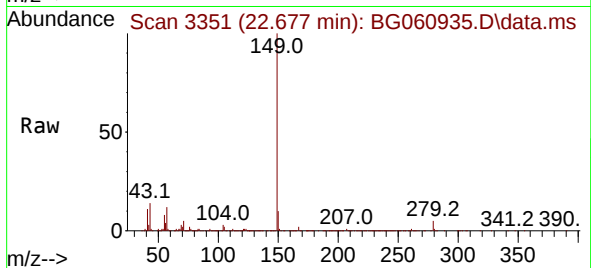
279 4.6 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 43.876 ng  
RT: 22.677 min Scan# 31  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

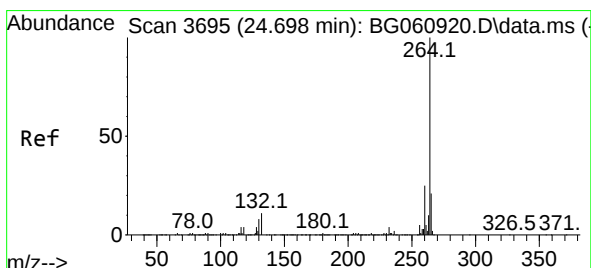
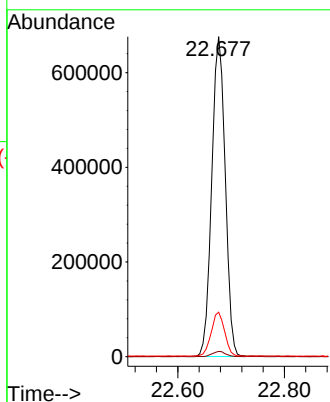
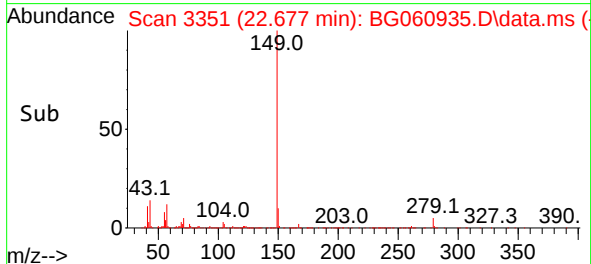
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:149 Resp: 118816  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 13.6 11.2 16.8

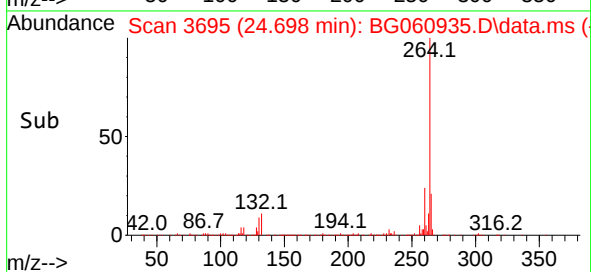
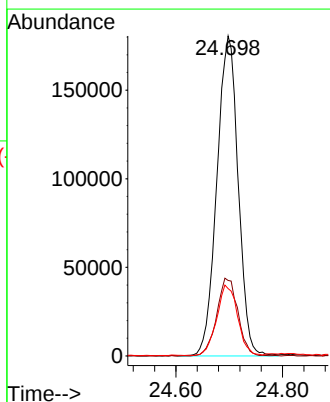
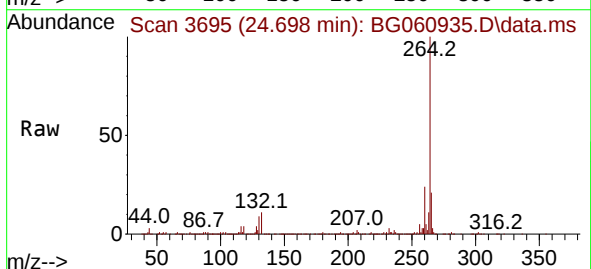
Manual Integrations  
APPROVED

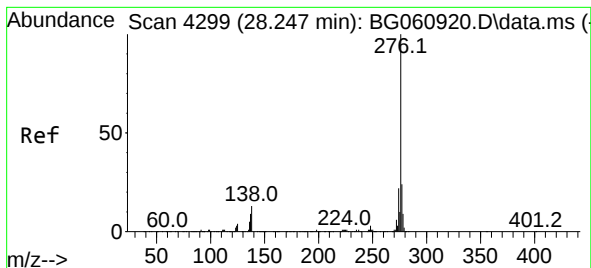
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.698 min Scan# 3695  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:264 Resp: 501204  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.6 29.4  
265 21.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.671 ng

RT: 28.247 min Scan# 4299

Delta R.T. -0.001 min

Lab File: BG060935.D

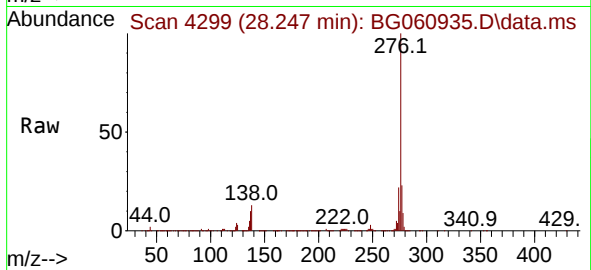
Acq: 18 Apr 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

ARCOLA-SP-1MS



Tgt Ion:276 Resp: 168688

Ion Ratio Lower Upper

276 100

138 17.0 10.8 16.2

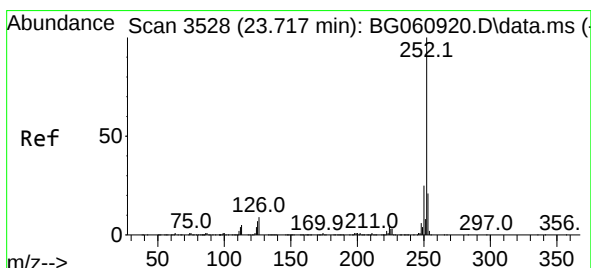
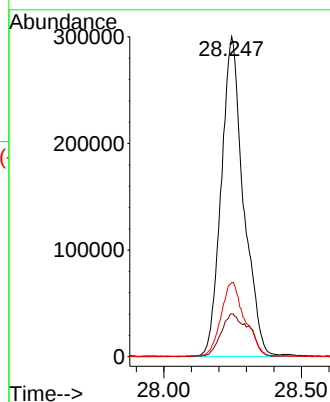
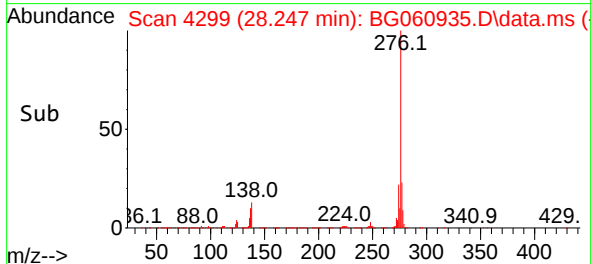
277 24.9 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#88

Benzo(b)fluoranthene

Concen: 51.009 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.001 min

Lab File: BG060935.D

Acq: 18 Apr 2024 13:58

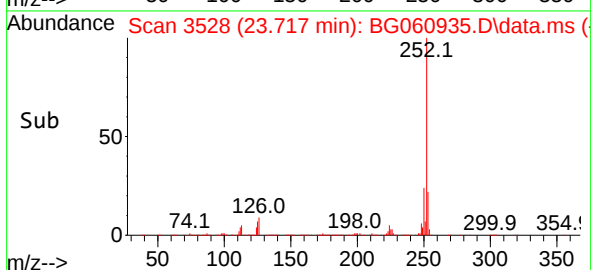
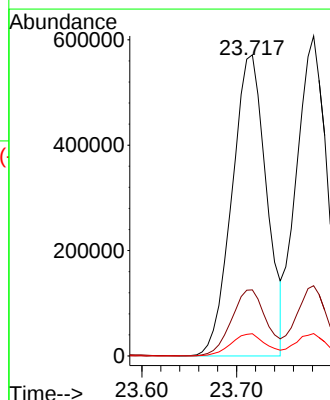
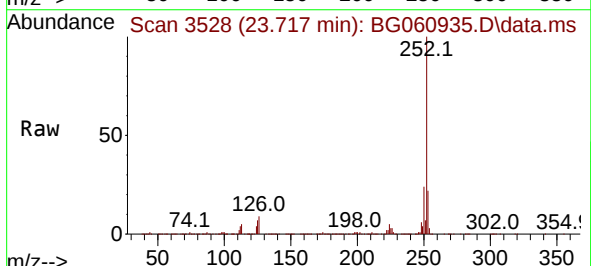
Tgt Ion:252 Resp: 1446487

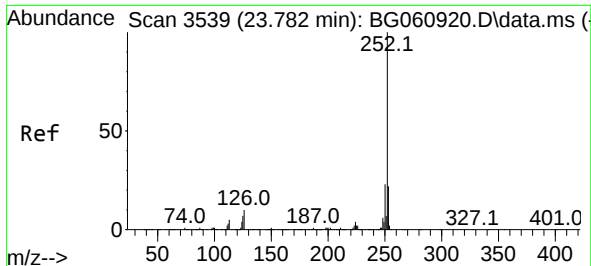
Ion Ratio Lower Upper

252 100

253 22.0 16.8 25.2

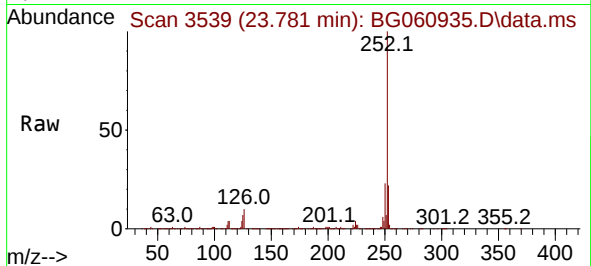
125 7.4 5.6 8.4





#89  
Benzo(k)fluoranthene  
Concen: 47.016 ng  
RT: 23.781 min Scan# 3539  
Delta R.T. -0.001 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

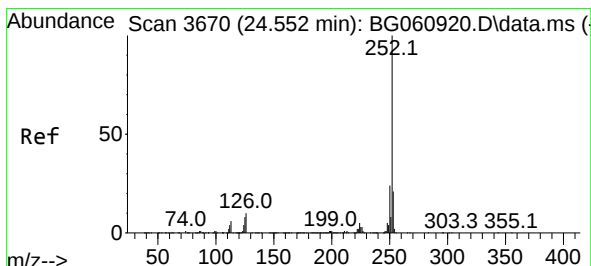
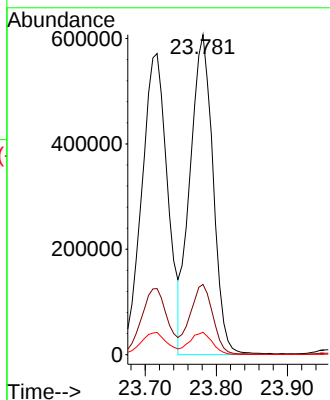
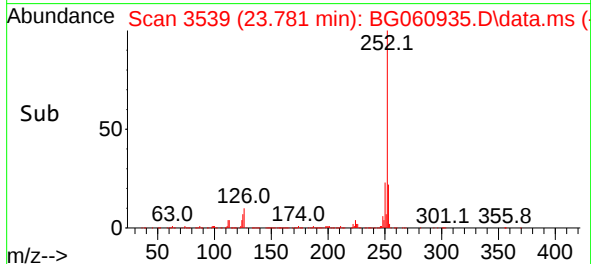
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:252 Resp: 136394  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 7.0 5.8 8.8

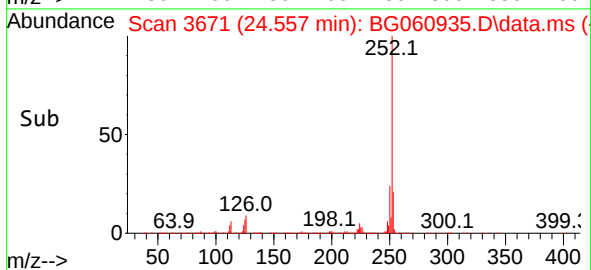
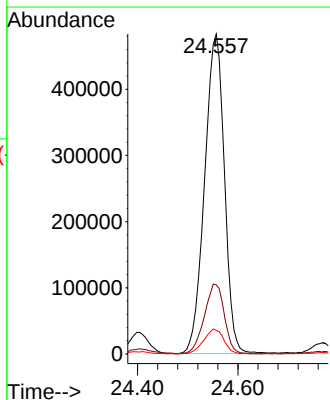
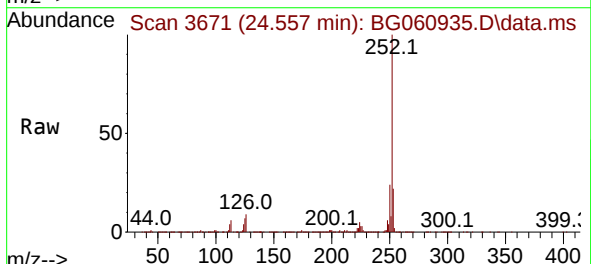
Manual Integrations  
APPROVED

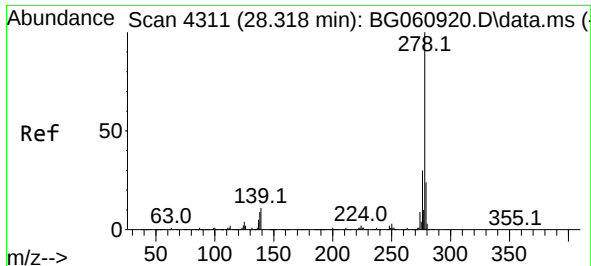
Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#90  
Benzo(a)pyrene  
Concen: 47.354 ng  
RT: 24.557 min Scan# 3671  
Delta R.T. 0.005 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

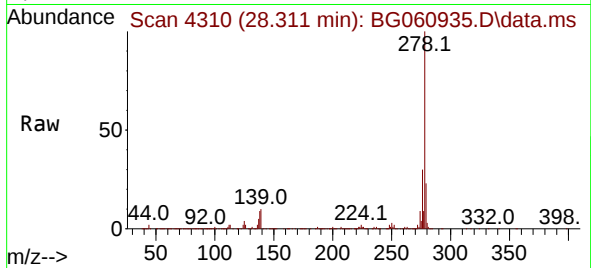
Tgt Ion:252 Resp: 1323952  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.1 25.7  
125 7.3 6.1 9.1





#91  
Dibenzo(a,h)anthracene  
Concen: 45.558 ng  
RT: 28.311 min Scan# 4311  
Delta R.T. -0.007 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

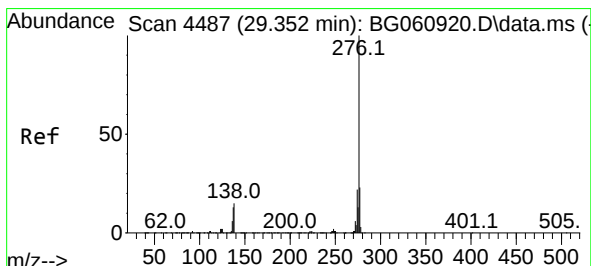
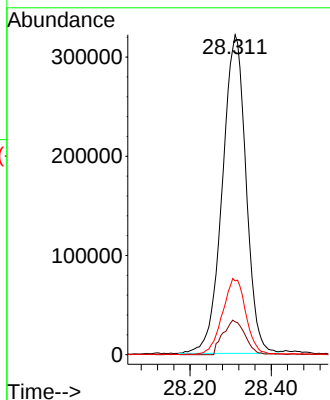
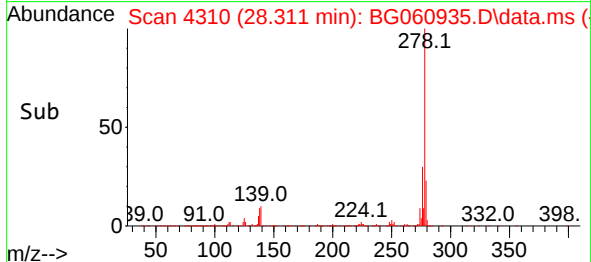
Instrument :  
BNA\_G  
ClientSampleId :  
ARCOLA-SP-1MS



Tgt Ion:278 Resp: 1299729  
Ion Ratio Lower Upper  
278 100  
139 10.3 8.6 12.8  
279 23.0 19.4 29.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/22/2024  
Supervised By :mohammad ahmed 04/22/2024



#92  
Benzo(g,h,i)perylene  
Concen: 46.666 ng  
RT: 29.345 min Scan# 4486  
Delta R.T. -0.007 min  
Lab File: BG060935.D  
Acq: 18 Apr 2024 13:58

Tgt Ion:276 Resp: 1301591  
Ion Ratio Lower Upper  
276 100  
277 24.9 18.3 27.5  
138 14.9 12.2 18.4

