

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081123\  
 Data File : BG058697.D  
 Acq On : 11 Aug 2023 10:25  
 Operator : MA/JU  
 Sample : PB154742BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB154742BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/12/2023

Quant Time: Aug 11 11:10:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.806  | 152  | 45834    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.615 | 136  | 200356   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.457 | 164  | 142801   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.207 | 188  | 363162   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.455 | 240  | 326747   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.522 | 264  | 416380   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.386  | 112  | 368997   | 123.052 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.984  | 99   | 500044   | 119.838 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.976  | 82   | 300389   | 73.652  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.956 | 330  | 258406   | 110.401 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.077 | 172  | 679124   | 71.269  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.828 | 244  | 1358334  | 78.176  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.259  | 88   | 45813    | 31.528  | ng    | 97       |
| 3) Pyridine                   | 3.658  | 79   | 115425   | 29.136  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.576  | 42   | 66443    | 39.583  | ng    | 95       |
| 6) Aniline                    | 7.137  | 93   | 167814   | 32.665  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.377  | 128  | 135602   | 46.095  | ng    | 98       |
| 9) Benzaldehyde               | 6.949  | 77   | 72357    | 31.917  | ng    | 97       |
| 10) Phenol                    | 7.013  | 94   | 190710   | 46.788  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.231  | 93   | 132707   | 41.298  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.701  | 146  | 130909   | 41.673  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.847  | 146  | 133041   | 42.180  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.165  | 146  | 128736   | 42.690  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.053  | 79   | 132712   | 50.152  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.341  | 45   | 224190m  | 42.950  | ng    |          |
| 17) 2-Methylphenol            | 8.259  | 107  | 129905   | 43.588  | ng    | 99       |
| 18) Hexachloroethane          | 8.887  | 117  | 47991    | 41.861  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.617  | 70   | 110085   | 40.844  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.588  | 107  | 176624   | 43.813  | ng    | 99       |
| 22) Acetophenone              | 8.635  | 105  | 215408   | 40.152  | ng    | 99       |
| 24) Nitrobenzene              | 9.017  | 77   | 163000   | 39.312  | ng    | 97       |
| 25) Isophorone                | 9.534  | 82   | 318916   | 37.845  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.728  | 139  | 72614    | 40.232  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.792  | 122  | 122965   | 41.073  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.021 | 93   | 182355   | 39.764  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.268 | 162  | 133377   | 42.908  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.474 | 180  | 143728   | 40.094  | ng    | 98       |
| 31) Naphthalene               | 10.662 | 128  | 405597   | 38.409  | ng    | 99       |
| 32) Benzoic acid              | 9.957  | 122  | 65035    | 30.313  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.779 | 127  | 114294   | 25.617  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.944 | 225  | 88470    | 38.322  | ng    | 98       |
| 35) Caprolactam               | 11.555 | 113  | 48822m   | 42.532  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.913 | 107  | 161149   | 41.909  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.278 | 142  | 283057   | 37.473  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.495 | 142  | 272396   | 37.936  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.648 | 216  | 167073   | 38.109  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.624 | 237  | 137203   | 68.453  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 12.895 | 196  | 121509   | 40.295  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081123\  
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 Sample : PB154742BS  
 Misc :  
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Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154742BS

Manual Integrations  
 APPROVED

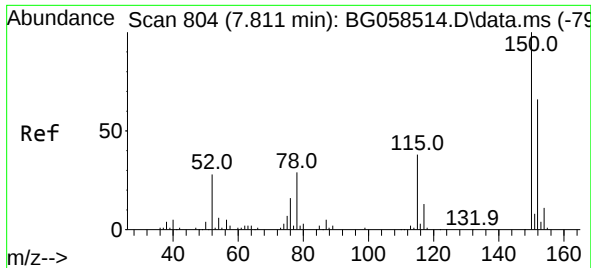
Reviewed By :Yogesh Patel 08/11/2023  
 Supervised By :mohammad ahmed 08/12/2023

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.971 | 196  | 132153   | 37.208 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.288 | 154  | 378984   | 38.645 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.335 | 162  | 304286   | 39.794 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.547 | 65   | 121662   | 41.685 | ng    | 98       |
| 49) Acenaphthylene            | 14.181 | 152  | 513469   | 40.109 | ng    | 100      |
| 50) Dimethylphthalate         | 13.917 | 163  | 428159   | 39.923 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.040 | 165  | 95164    | 40.440 | ng    | 96       |
| 52) Acenaphthene              | 14.522 | 154  | 287848   | 38.913 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.375 | 138  | 70736    | 30.045 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.593 | 184  | 106877   | 80.515 | ng    | 96       |
| 55) Dibenzofuran              | 14.863 | 168  | 492171   | 38.721 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.692 | 139  | 151580   | 86.601 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.833 | 165  | 138591   | 42.481 | ng    | 94       |
| 58) Fluorene                  | 15.509 | 166  | 402185   | 39.830 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.092 | 232  | 126439   | 41.718 | ng    | 98       |
| 60) Diethylphthalate          | 15.280 | 149  | 445498   | 40.775 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.497 | 204  | 218547   | 38.822 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.538 | 138  | 99796    | 44.746 | ng    | 98       |
| 63) Azobenzene                | 15.791 | 77   | 430639   | 40.016 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.603 | 198  | 82956    | 41.428 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 15.721 | 169  | 365285   | 38.646 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.396 | 248  | 156432   | 37.978 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.514 | 284  | 174359   | 39.947 | ng    | 99       |
| 69) Atrazine                  | 16.667 | 200  | 152193   | 47.697 | ng    | 99       |
| 70) Pentachlorophenol         | 16.860 | 266  | 174872   | 66.192 | ng    | 99       |
| 71) Phenanthrene              | 17.248 | 178  | 677186   | 39.319 | ng    | 99       |
| 72) Anthracene                | 17.342 | 178  | 695773   | 39.372 | ng    | 99       |
| 73) Carbazole                 | 17.613 | 167  | 665174   | 42.684 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.165 | 149  | 811956   | 41.598 | ng    | 100      |
| 75) Fluoranthene              | 19.264 | 202  | 856783   | 41.414 | ng    | 99       |
| 77) Benzidine                 | 19.452 | 184  | 355999   | 71.849 | ng    | 98       |
| 78) Pyrene                    | 19.628 | 202  | 876859   | 39.432 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.515 | 149  | 365156   | 39.977 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.432 | 228  | 908860   | 40.418 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.355 | 252  | 272027   | 35.780 | ng    | 97       |
| 83) Chrysene                  | 21.496 | 228  | 843743   | 39.135 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.338 | 149  | 530466   | 39.742 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.483 | 149  | 935134   | 39.849 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.030 | 276  | 1142707  | 41.252 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.553 | 252  | 947898   | 41.973 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.617 | 252  | 926871   | 40.854 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.381 | 252  | 847236   | 38.201 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 28.083 | 278  | 947422   | 41.364 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.123 | 276  | 918522   | 39.992 | ng    | 99       |

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





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.806 min Scan# 804  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

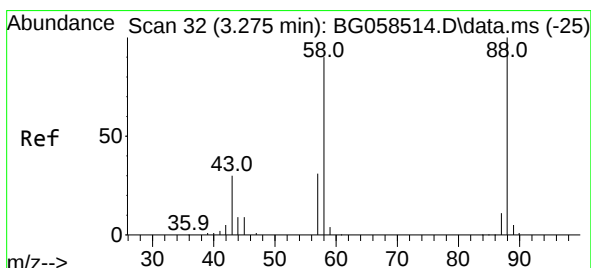
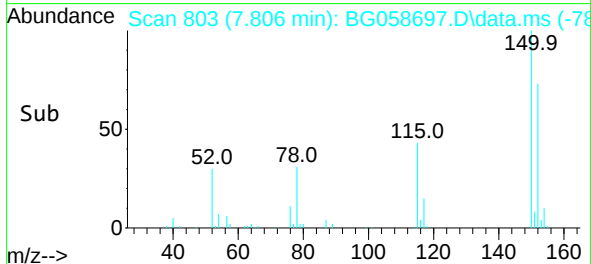
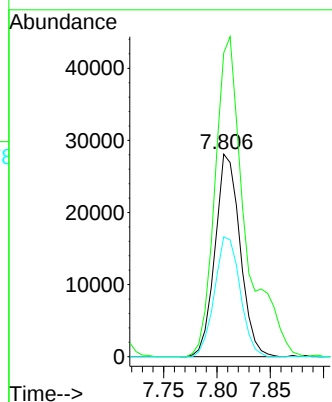
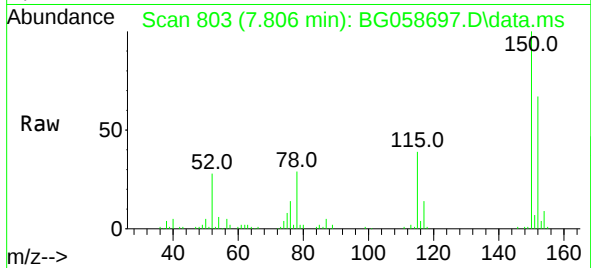
ClientSampleId :

PB154742BS

Tgt Ion:152 Resp: 45834  
Ion Ratio Lower Upper  
152 100  
150 149.9 120.5 180.7  
115 59.1 45.9 68.9

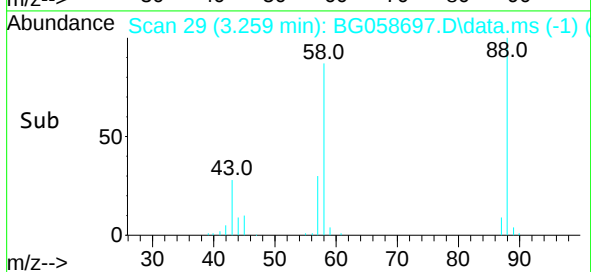
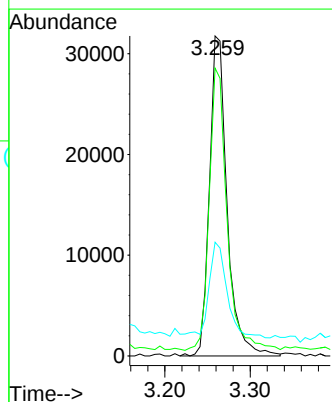
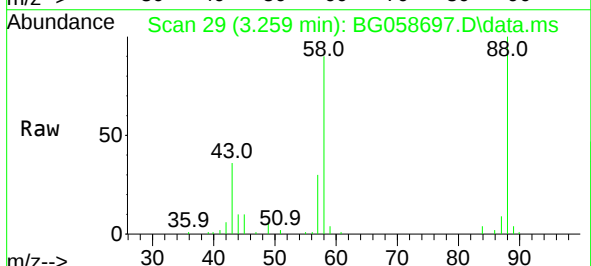
Manual Integrations  
APPROVED

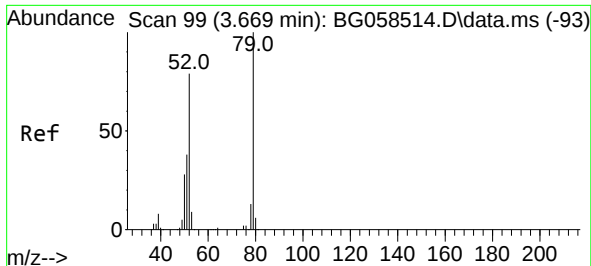
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#2  
1,4-Dioxane  
Concen: 31.528 ng  
RT: 3.259 min Scan# 29  
Delta R.T. -0.017 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

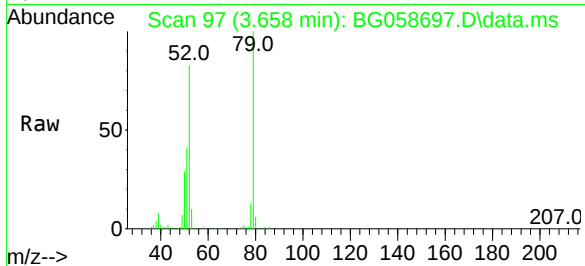
Tgt Ion: 88 Resp: 45813  
Ion Ratio Lower Upper  
88 100  
58 88.5 68.9 103.3  
43 30.4 22.9 34.3





#3  
Pyridine  
Concen: 29.136 ng  
RT: 3.658 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

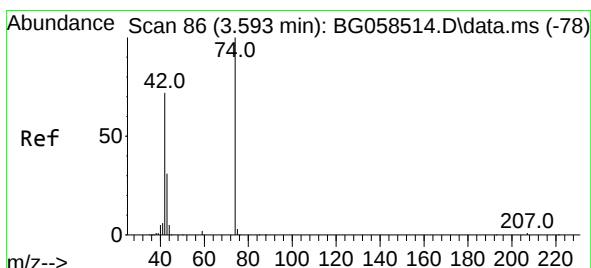
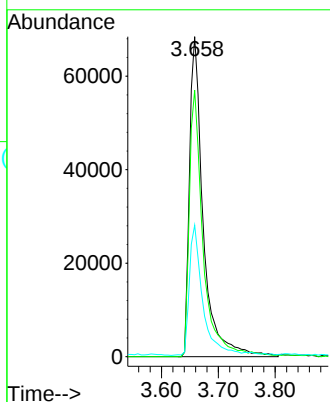
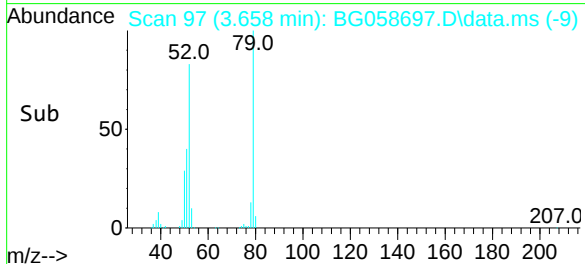
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



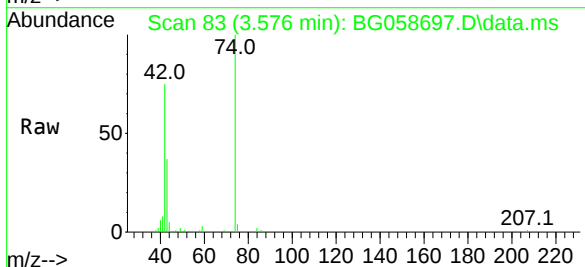
Tgt Ion: 79 Resp: 115429  
Ion Ratio Lower Upper  
79 100  
52 83.3 63.2 94.8  
51 41.1 31.9 47.9

Manual Integrations  
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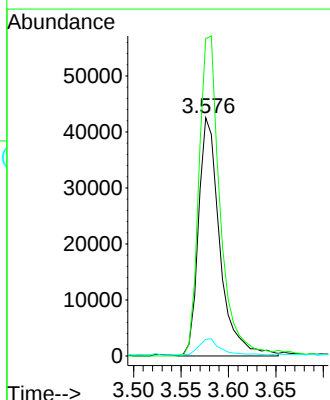
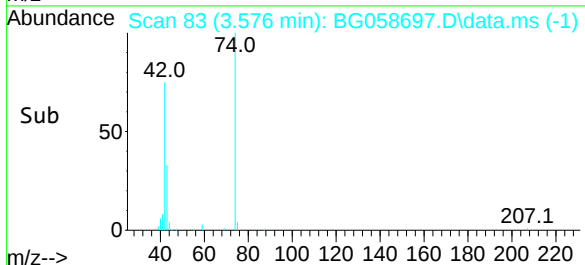
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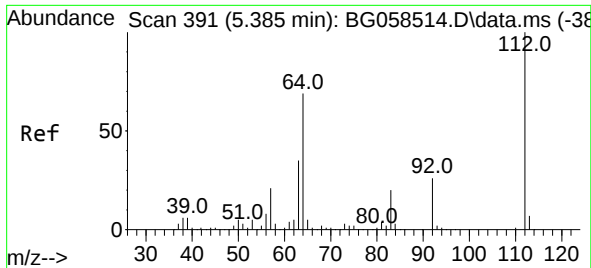


#4  
n-Nitrosodimethylamine  
Concen: 39.583 ng  
RT: 3.576 min Scan# 83  
Delta R.T. -0.017 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion: 42 Resp: 66443  
Ion Ratio Lower Upper  
42 100  
74 133.1 111.5 167.3  
44 7.0 5.4 8.2





#5  
2-Fluorophenol  
Concen: 123.052 ng  
RT: 5.386 min Scan# 391  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

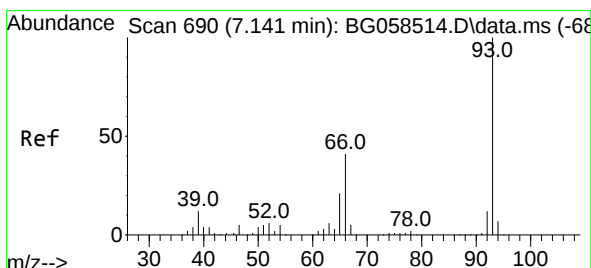
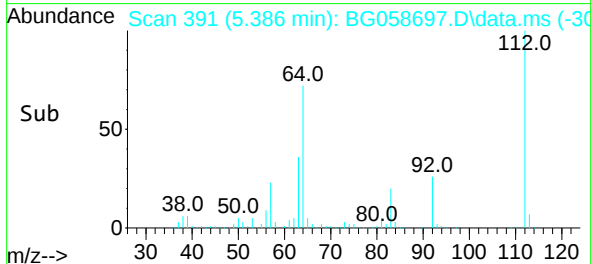
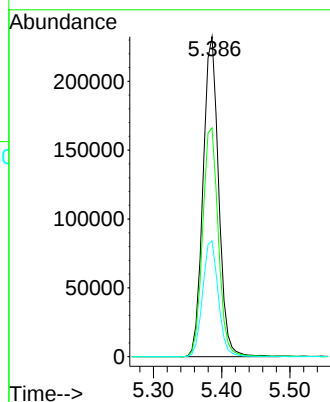
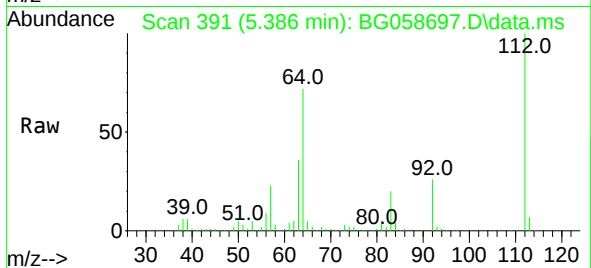
PB154742BS

Tgt Ion:112 Resp: 368997  
Ion Ratio Lower Upper  
112 100  
64 71.5 55.3 82.9  
63 36.2 28.3 42.5

Manual Integrations

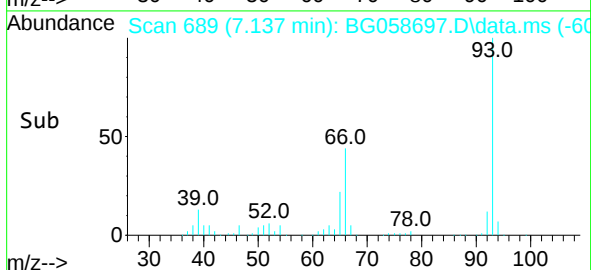
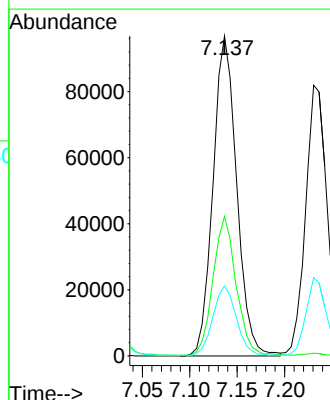
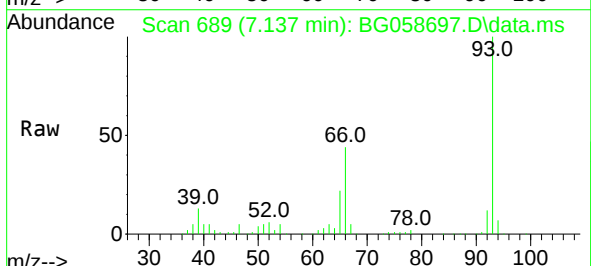
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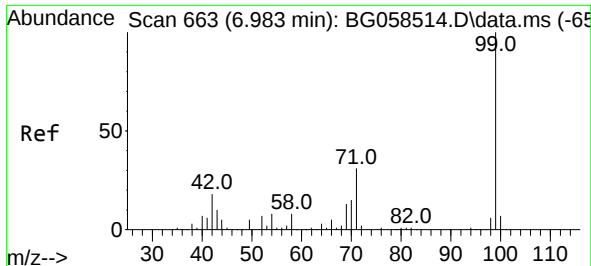
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#6  
Aniline  
Concen: 32.665 ng  
RT: 7.137 min Scan# 689  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

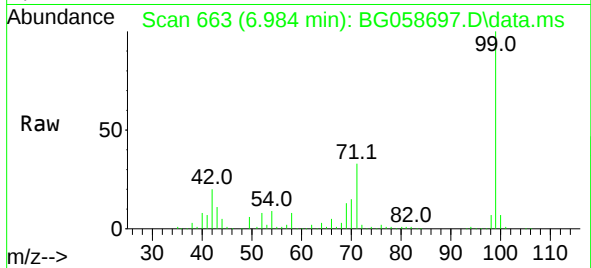
Tgt Ion: 93 Resp: 167814  
Ion Ratio Lower Upper  
93 100  
66 43.6 33.1 49.7  
65 21.9 17.0 25.4





#7  
Phenol-d6  
Concen: 119.838 ng  
RT: 6.984 min Scan# 60  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

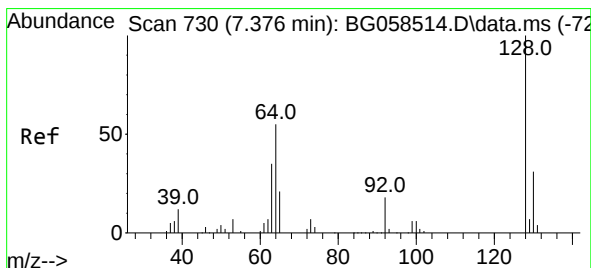
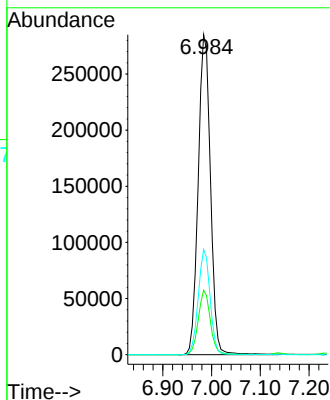
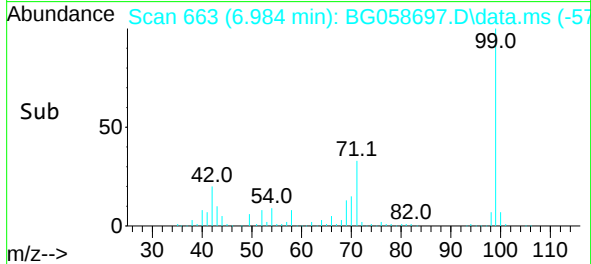
Instrument :  
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Tgt Ion: 99 Resp: 50004  
Ion Ratio Lower Upper  
99 100  
42 20.1 14.6 21.8  
71 32.8 25.0 37.4

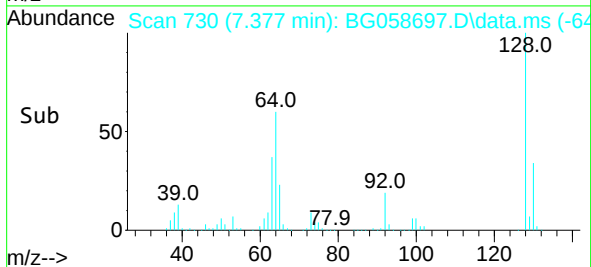
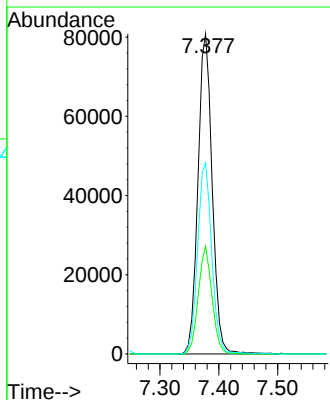
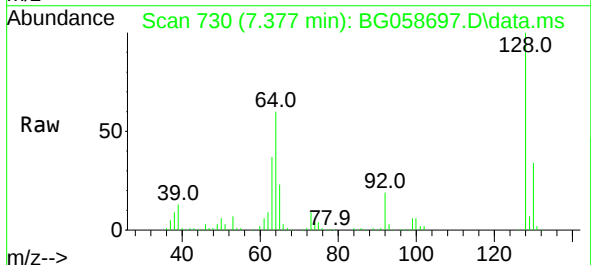
Manual Integrations  
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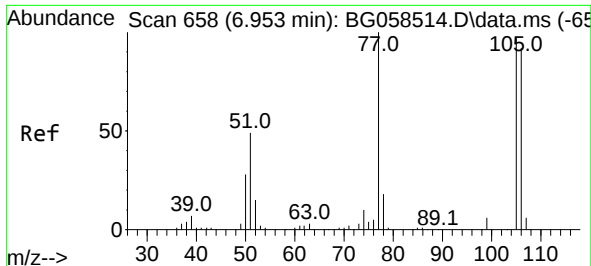
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#8  
2-Chlorophenol  
Concen: 46.095 ng  
RT: 7.377 min Scan# 730  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:128 Resp: 135602  
Ion Ratio Lower Upper  
128 100  
130 33.6 10.9 50.9  
64 59.7 39.0 79.0





#9  
Benzaldehyde  
Concen: 31.917 ng  
RT: 6.949 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

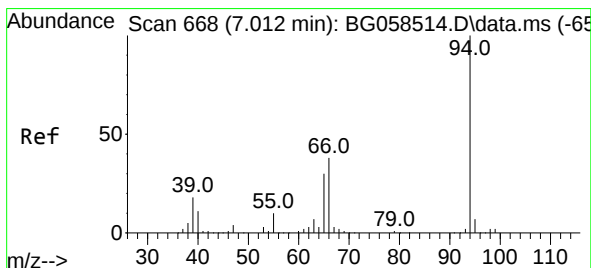
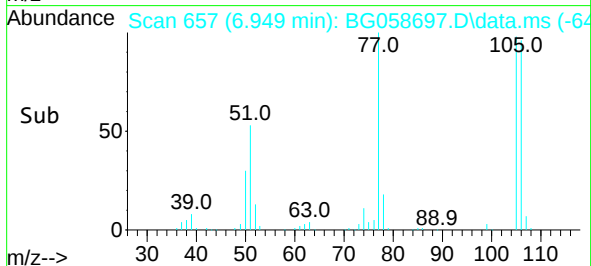
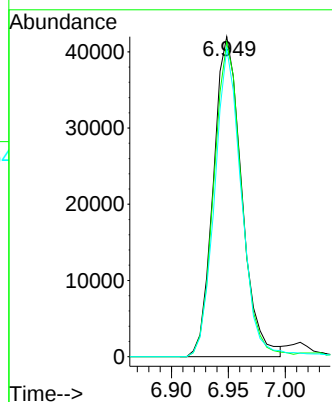
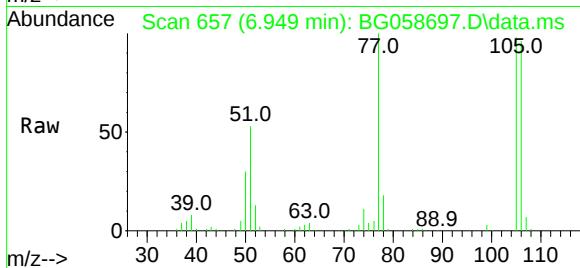
PB154742BS

Tgt Ion: 77 Resp: 7235  
Ion Ratio Lower Upper  
77 100  
105 98.2 77.1 117.1  
106 96.3 71.6 111.6

Manual Integrations

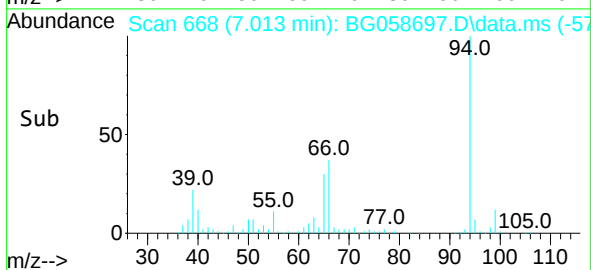
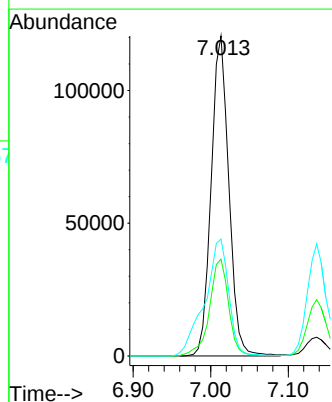
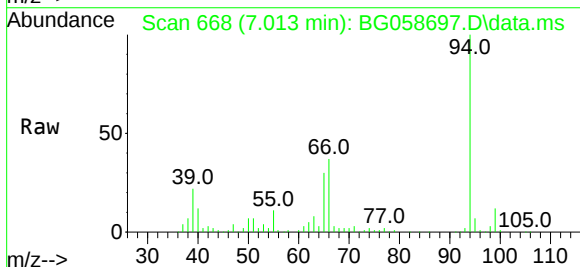
APPROVED

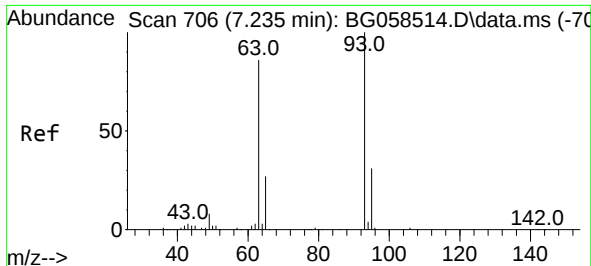
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#10  
Phenol  
Concen: 46.788 ng  
RT: 7.013 min Scan# 668  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion: 94 Resp: 190710  
Ion Ratio Lower Upper  
94 100  
65 30.2 10.4 50.4  
66 36.5 18.7 58.7





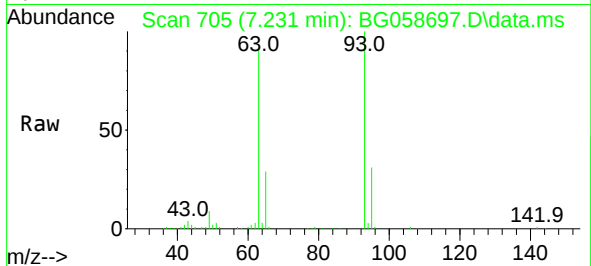
#11  
bis(2-Chloroethyl)ether  
Concen: 41.298 ng  
RT: 7.231 min Scan# 706  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

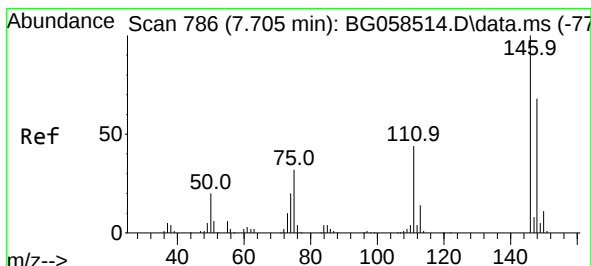
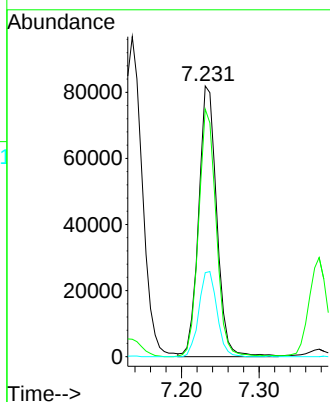
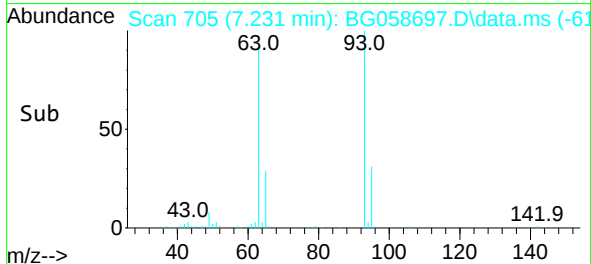
PB154742BS



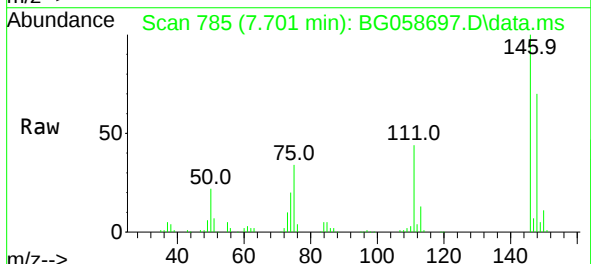
Tgt Ion: 93 Resp: 13270  
Ion Ratio Lower Upper  
93 100  
63 91.4 65.5 105.5  
95 31.0 11.2 51.2

Manual Integrations  
APPROVED

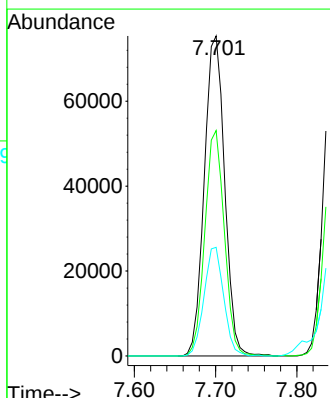
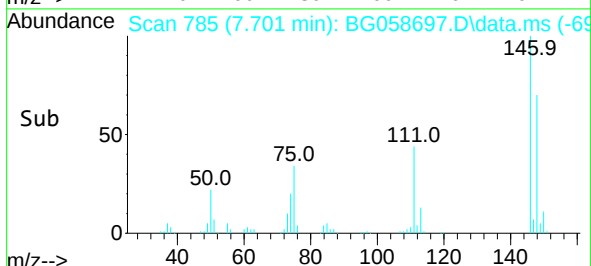
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

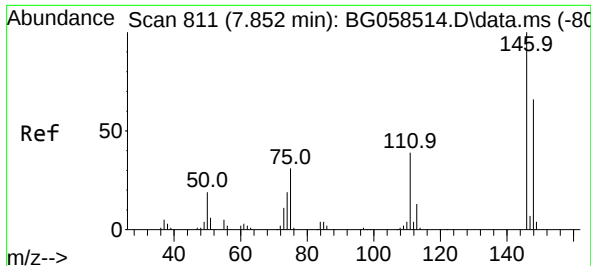


#12  
1,3-Dichlorobenzene  
Concen: 41.673 ng  
RT: 7.701 min Scan# 785  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



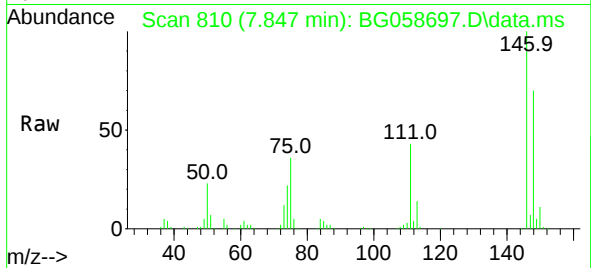
Tgt Ion:146 Resp: 130909  
Ion Ratio Lower Upper  
146 100  
148 70.5 54.7 82.1  
75 33.9 25.8 38.8





#13  
1,4-Dichlorobenzene  
Concen: 42.180 ng  
RT: 7.847 min Scan# 811  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

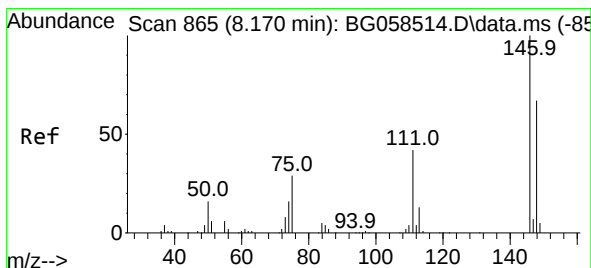
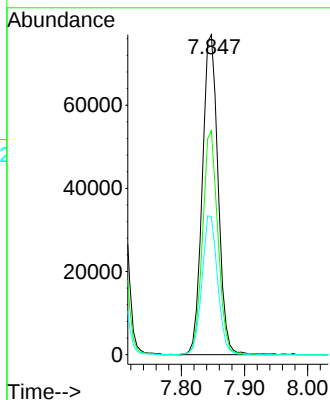
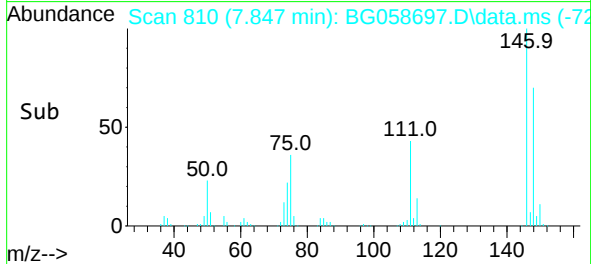
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



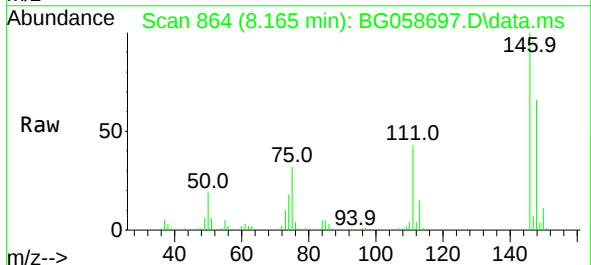
Tgt Ion:146 Resp: 13304  
Ion Ratio Lower Upper  
146 100  
148 70.0 52.8 79.2  
111 43.1 31.7 47.5

Manual Integrations  
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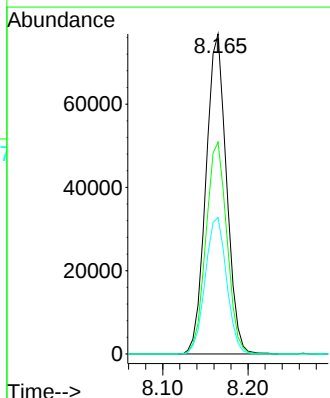
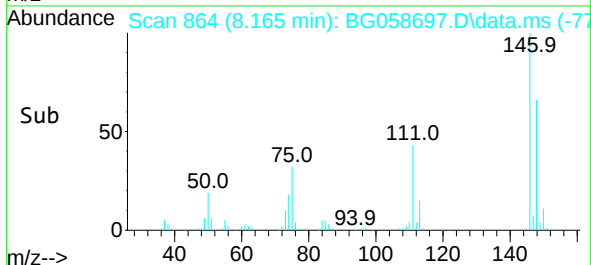
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

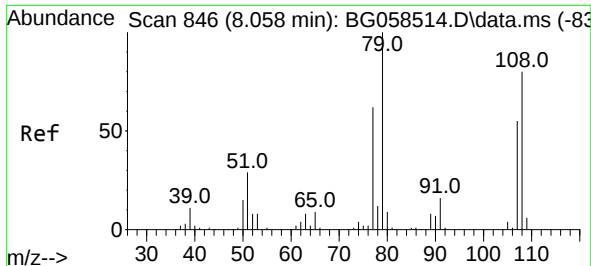


#14  
1,2-Dichlorobenzene  
Concen: 42.690 ng  
RT: 8.165 min Scan# 864  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:146 Resp: 128736  
Ion Ratio Lower Upper  
146 100  
148 66.2 53.4 80.2  
111 42.7 34.2 51.2





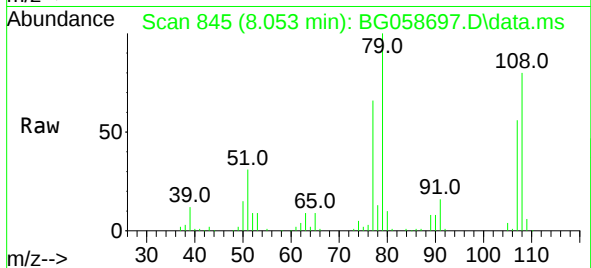
#15  
Benzyl Alcohol  
Concen: 50.152 ng  
RT: 8.053 min Scan# 845  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

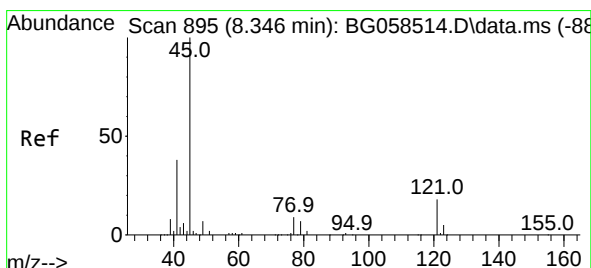
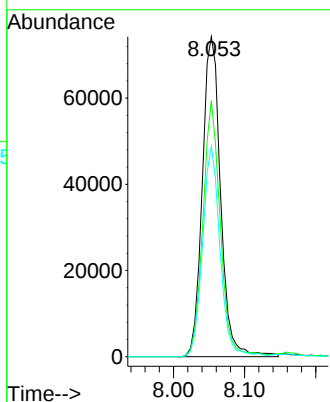
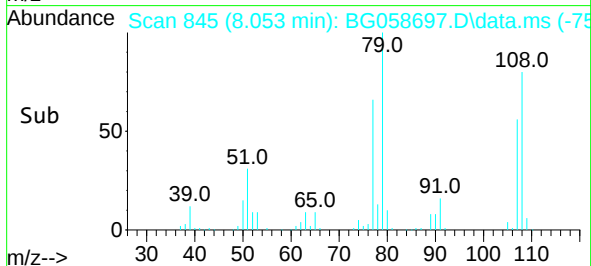
PB154742BS



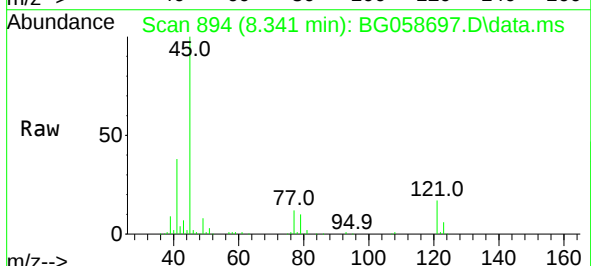
Tgt Ion: 79 Resp: 132712  
Ion Ratio Lower Upper  
79 100  
108 80.0 63.8 95.6  
77 65.7 49.8 74.6

Manual Integrations  
APPROVED

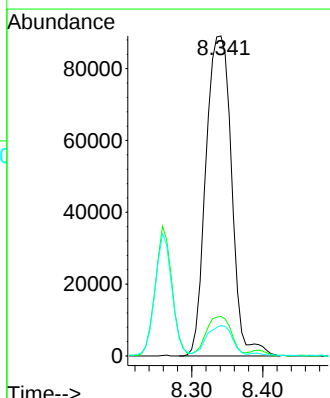
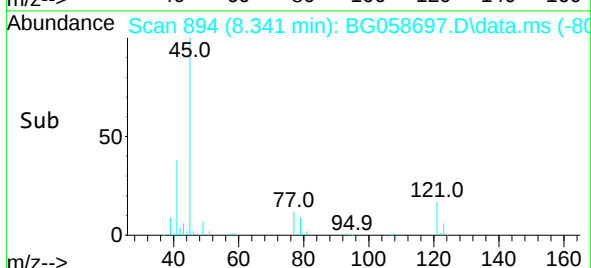
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

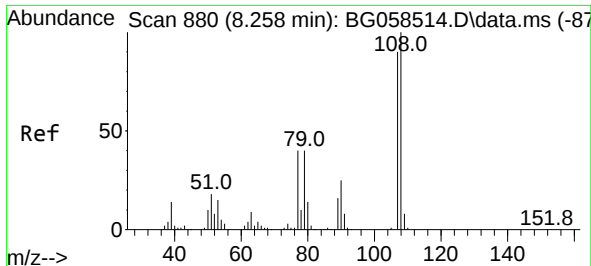


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.950 ng m  
RT: 8.341 min Scan# 894  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion: 45 Resp: 224190  
Ion Ratio Lower Upper  
45 100  
77 12.4 0.0 32.6  
79 9.5 0.0 30.2





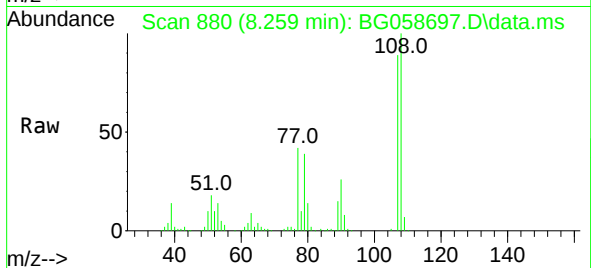
#17  
2-Methylphenol  
Concen: 43.588 ng  
RT: 8.259 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

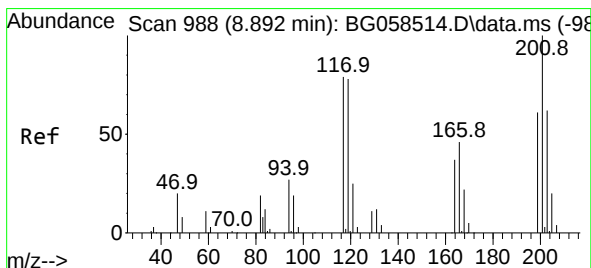
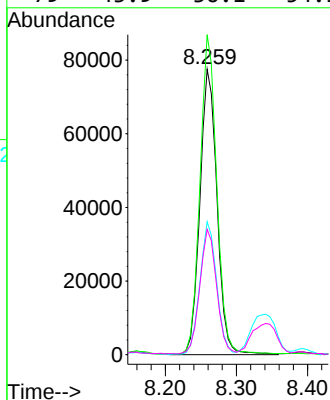
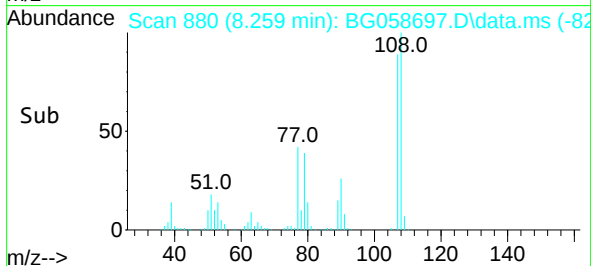


Tgt Ion:107 Resp: 12990  
Ion Ratio Lower Upper  
107 100  
108 112.1 89.1 133.7  
77 46.6 36.2 54.4  
79 43.9 36.1 54.1

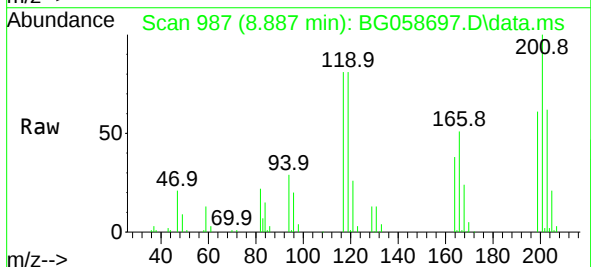
Manual Integrations

APPROVED

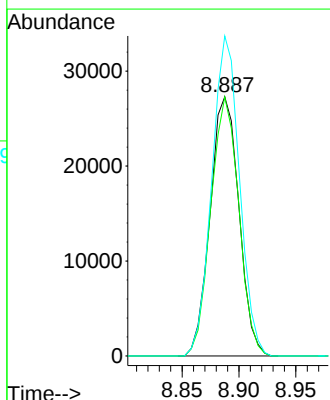
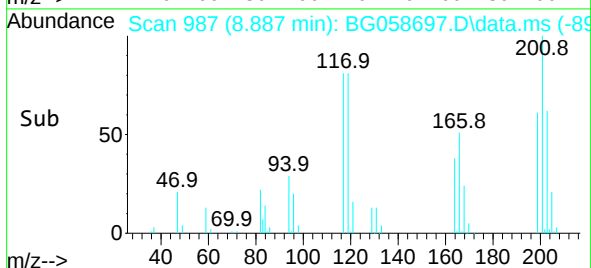
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

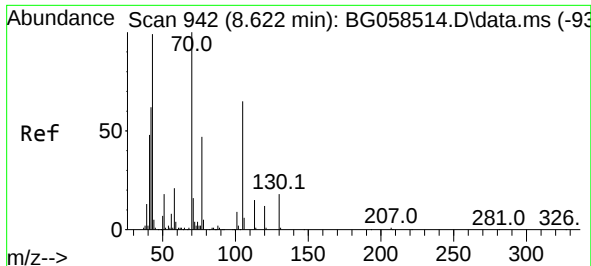


#18  
Hexachloroethane  
Concen: 41.861 ng  
RT: 8.887 min Scan# 987  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



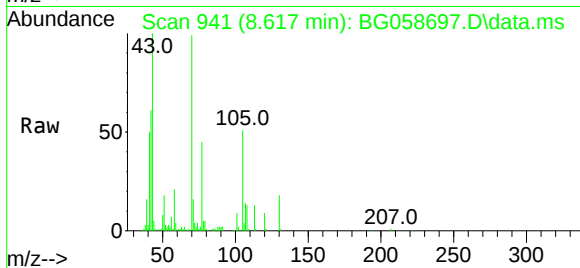
Tgt Ion:117 Resp: 47991  
Ion Ratio Lower Upper  
117 100  
119 99.9 78.6 117.8  
201 123.5 101.4 152.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.844 ng  
RT: 8.617 min Scan# 941  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

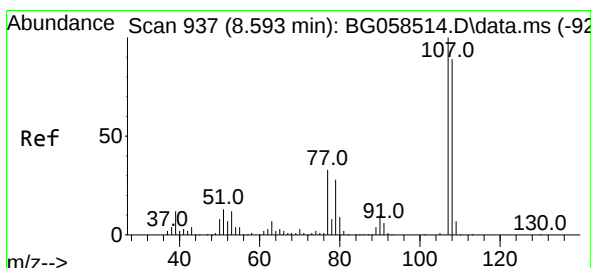
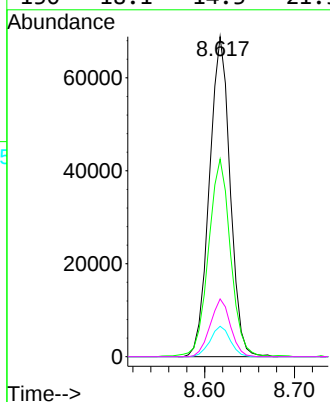
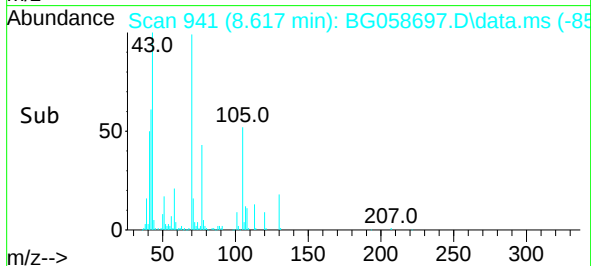
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



Tgt Ion: 70 Resp: 110085  
Ion Ratio Lower Upper  
70 100  
42 61.7 49.7 74.5  
101 9.5 7.0 10.4  
130 18.1 14.3 21.5

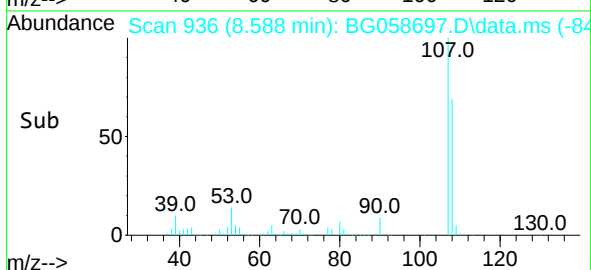
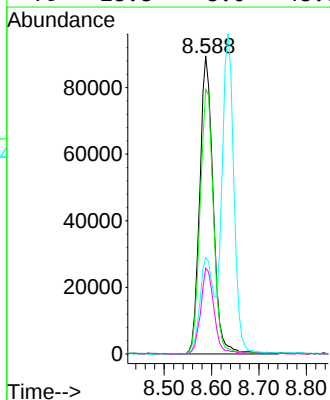
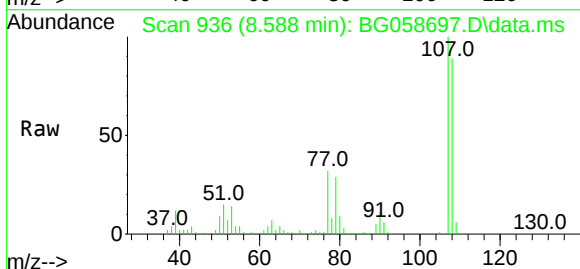
Manual Integrations  
APPROVED

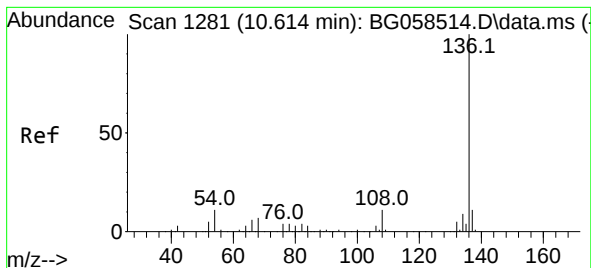
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#20  
3+4-Methylphenols  
Concen: 43.813 ng  
RT: 8.588 min Scan# 936  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:107 Resp: 176624  
Ion Ratio Lower Upper  
107 100  
108 88.8 69.4 109.4  
77 32.3 13.0 53.0  
79 28.8 8.0 48.0





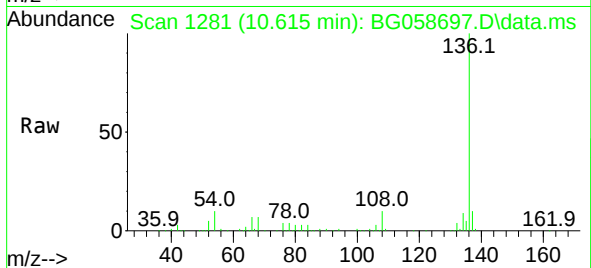
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.615 min Scan# 1281  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

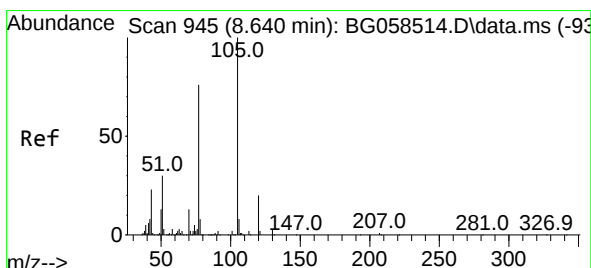
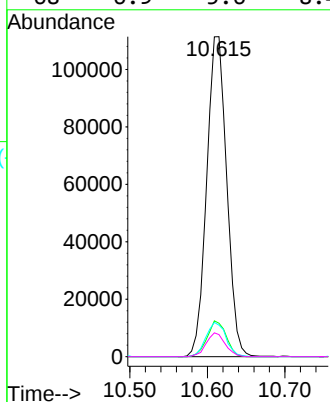
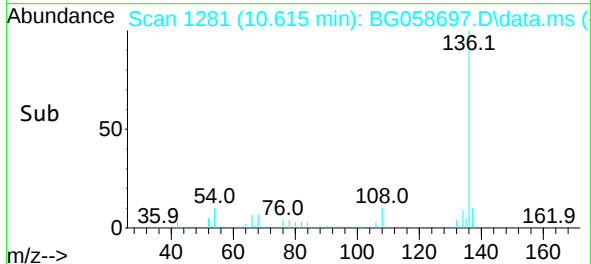


Tgt Ion:136 Resp: 200350  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 9.9 8.9 13.3  
68 6.9 5.6 8.4

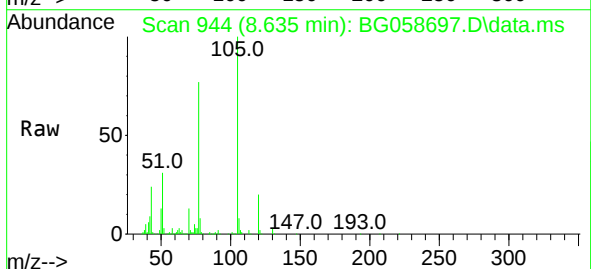
Manual Integrations

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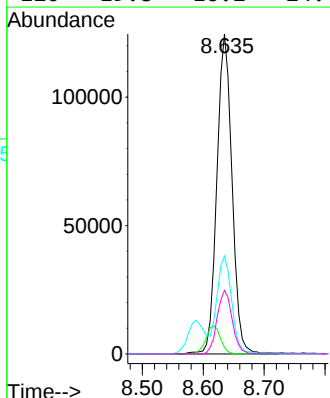
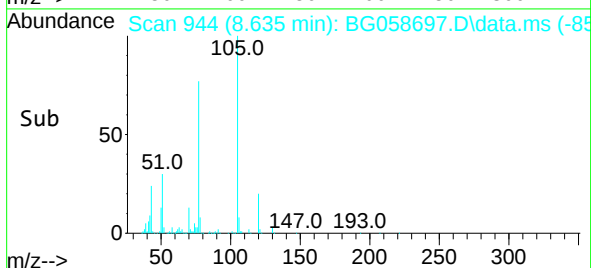
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

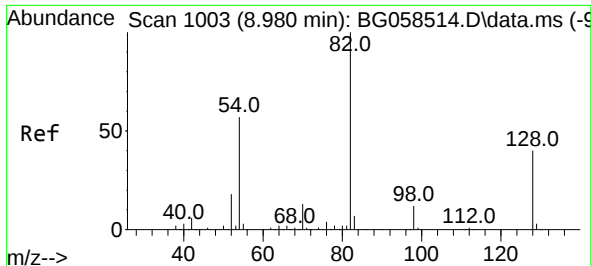


#22  
Acetophenone  
Concen: 40.152 ng  
RT: 8.635 min Scan# 944  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:105 Resp: 215408  
Ion Ratio Lower Upper  
105 100  
71 2.1 1.8 2.6  
51 30.6 24.2 36.2  
120 19.8 16.2 24.4





#23

Nitrobenzene-d5

Concen: 73.652 ng

RT: 8.976 min Scan# 1003

Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

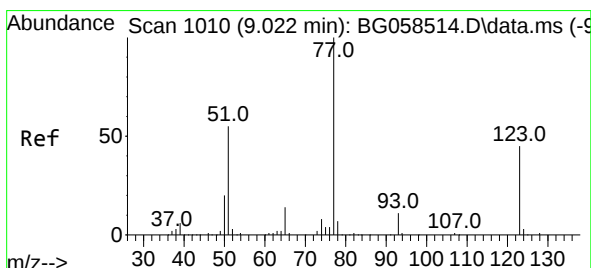
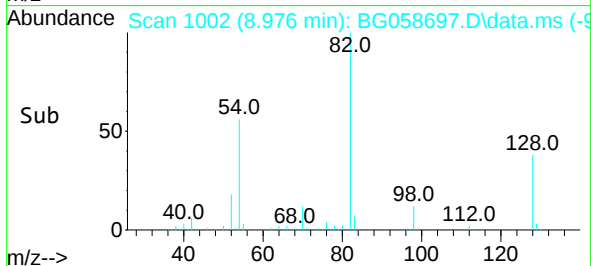
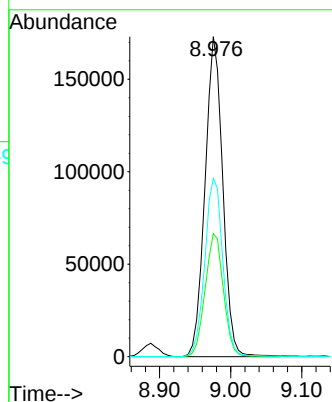
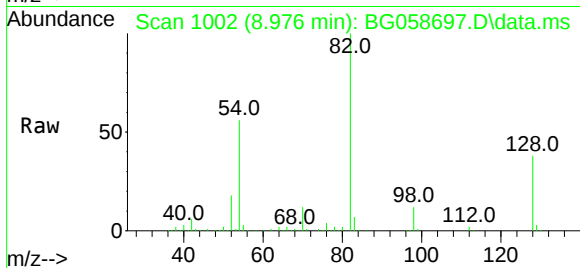
ClientSampleId :

PB154742BS

Tgt Ion: 82 Resp: 300389  
 Ion Ratio Lower Upper  
 82 100  
 128 38.4 32.2 48.2  
 54 55.7 46.0 69.0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023  
 Supervised By :mohammad ahmed 08/12/2023



#24

Nitrobenzene

Concen: 39.312 ng

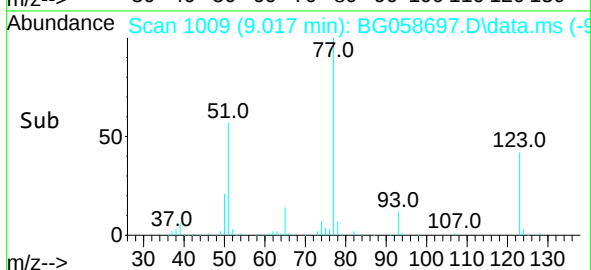
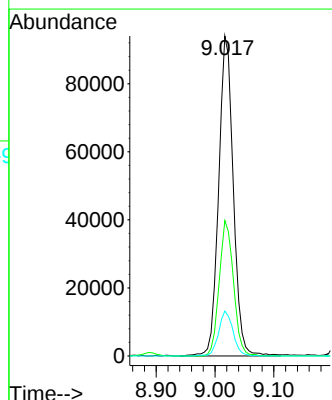
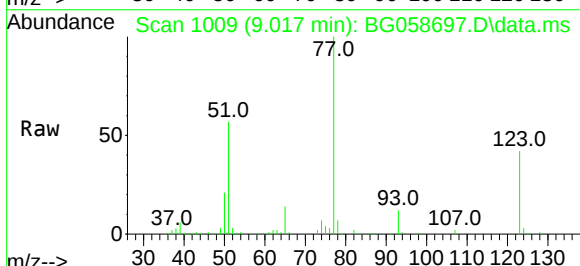
RT: 9.017 min Scan# 1009

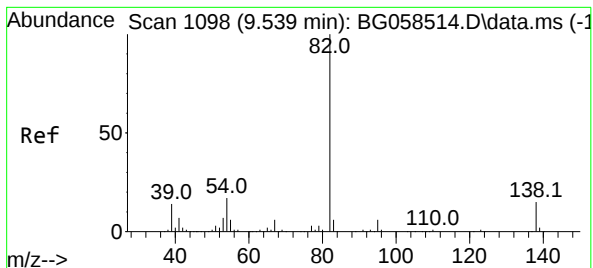
Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Tgt Ion: 77 Resp: 163000  
 Ion Ratio Lower Upper  
 77 100  
 123 42.3 35.6 53.4  
 65 14.0 11.4 17.0





#25

Isophorone

Concen: 37.845 ng

RT: 9.534 min Scan# 1109

Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

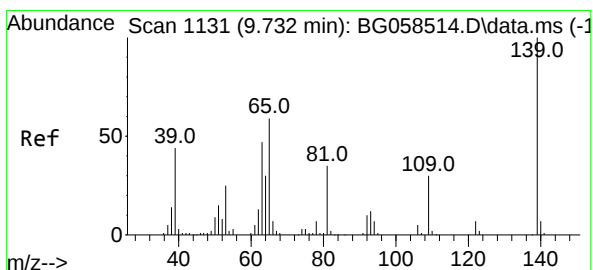
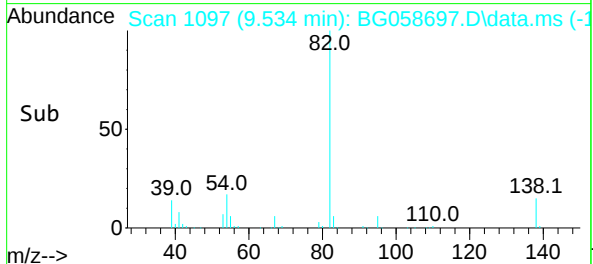
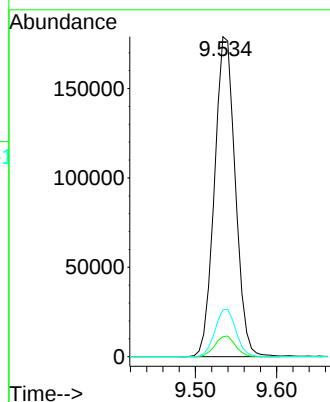
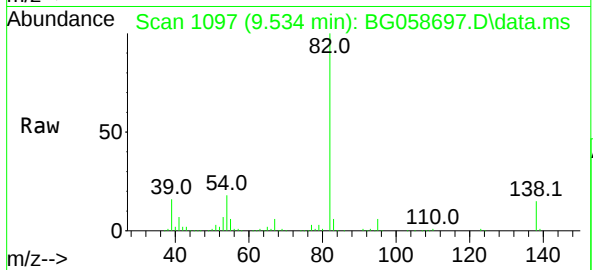
Tgt Ion: 82 Resp: 318910  
 Ion Ratio Lower Upper  
 82 100  
 95 6.2 5.1 7.7  
 138 14.7 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/12/2023



#26

2-Nitrophenol

Concen: 40.232 ng

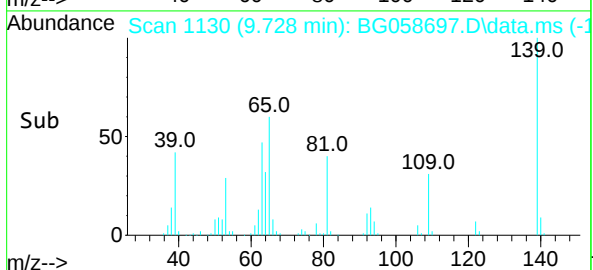
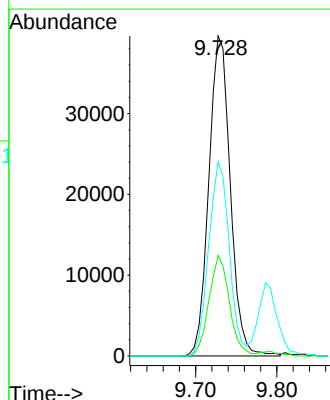
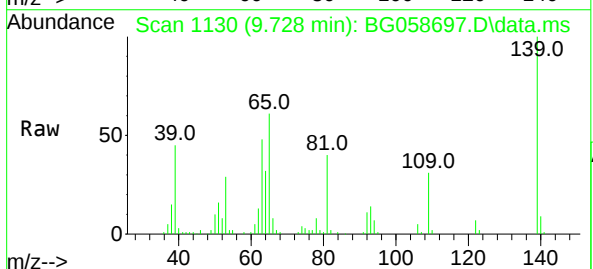
RT: 9.728 min Scan# 1130

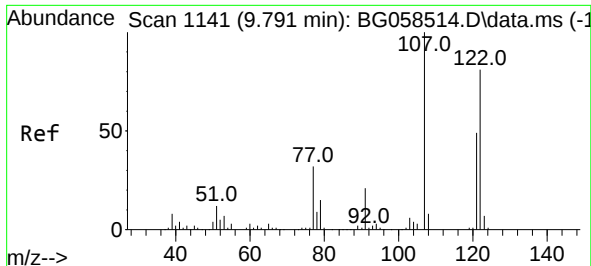
Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Tgt Ion:139 Resp: 72614  
 Ion Ratio Lower Upper  
 139 100  
 109 31.4 24.2 36.2  
 65 60.8 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 41.073 ng

RT: 9.792 min Scan# 1141

Delta R.T. 0.001 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

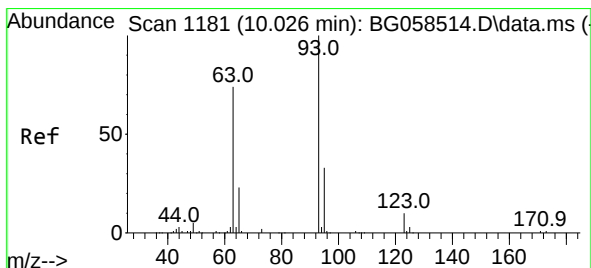
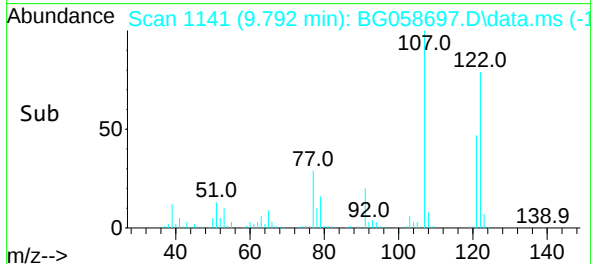
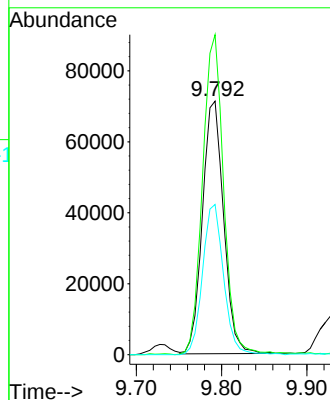
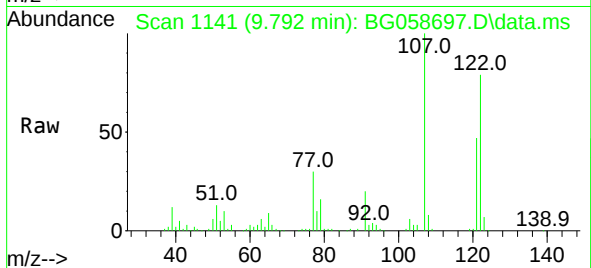
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 12296 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 126.2 | 98.0  | 147.0 |
| 121       | 59.2  | 47.8  | 71.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/12/2023



#28

bis(2-Chloroethoxy)methane

Concen: 39.764 ng

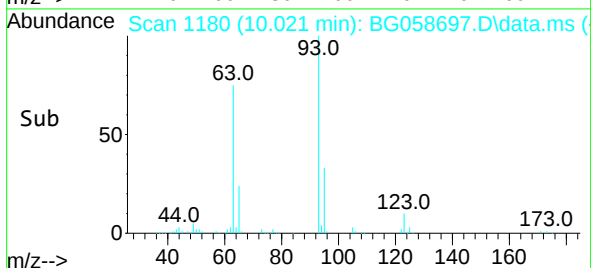
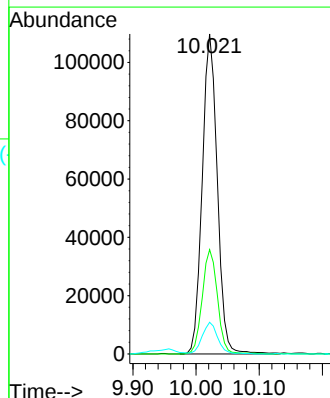
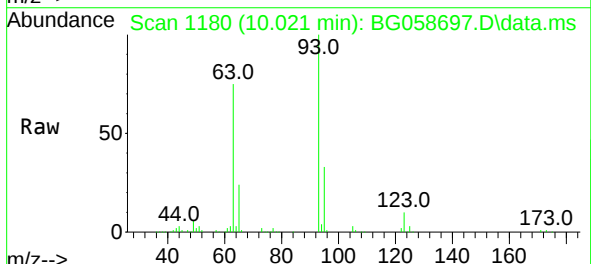
RT: 10.021 min Scan# 1180

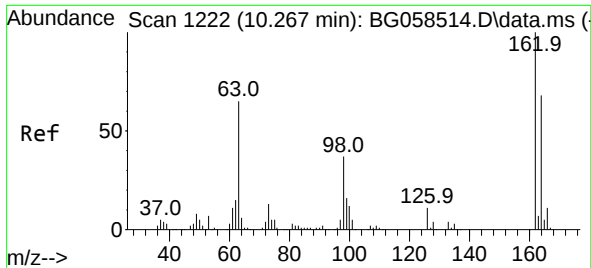
Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 182355 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.6  | 26.0  | 39.0   |
| 123       | 9.9   | 7.8   | 11.8   |





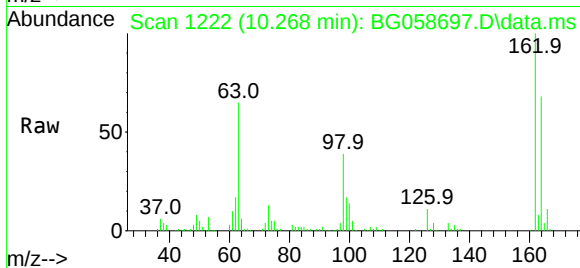
#29  
2,4-Dichlorophenol  
Concen: 42.908 ng  
RT: 10.268 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS



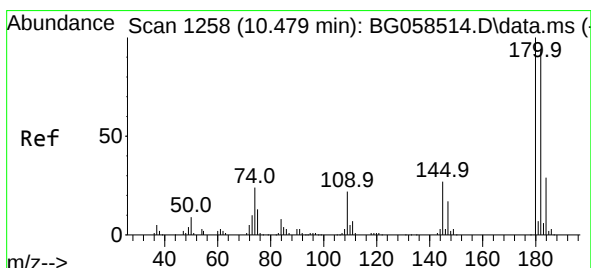
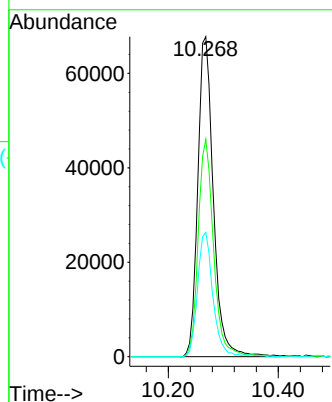
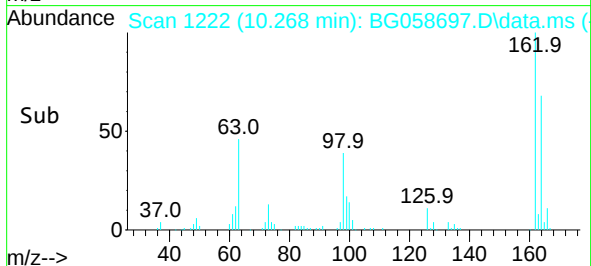
Tgt Ion:162 Resp: 13337  
Ion Ratio Lower Upper  
162 100  
164 67.9 47.6 87.6  
98 38.9 17.1 57.1

Manual Integrations

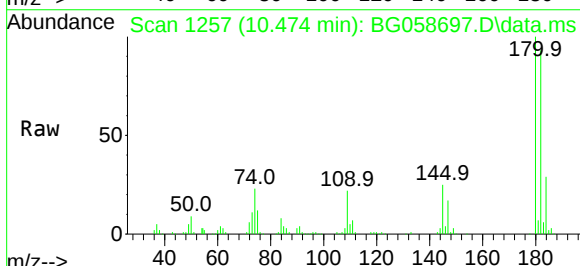
APPROVED

Reviewed By :Yogesh Patel 08/11/2023

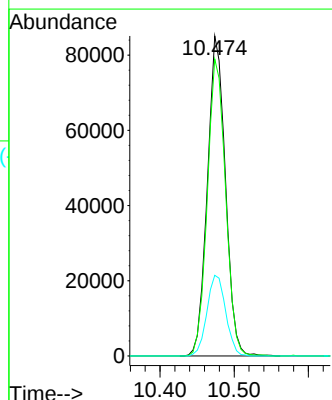
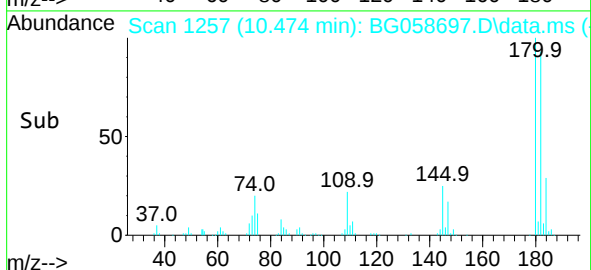
Supervised By :mohammad ahmed 08/12/2023

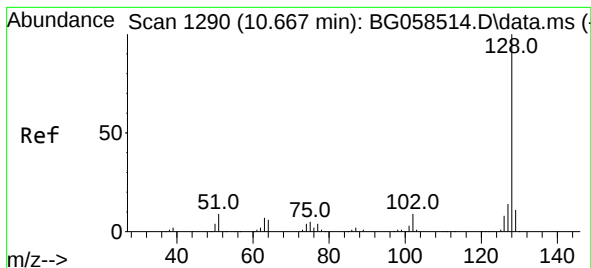


#30  
1,2,4-Trichlorobenzene  
Concen: 40.094 ng  
RT: 10.474 min Scan# 1257  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:180 Resp: 143728  
Ion Ratio Lower Upper  
180 100  
182 92.7 75.0 112.4  
145 25.2 21.9 32.9





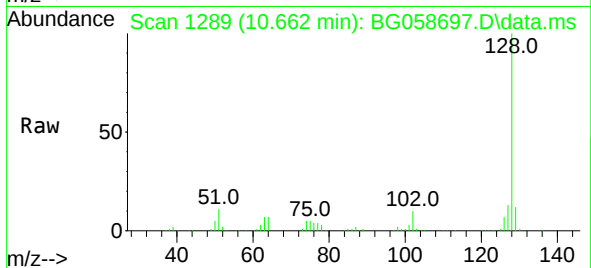
#31  
Naphthalene  
Concen: 38.409 ng  
RT: 10.662 min Scan# 1169  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

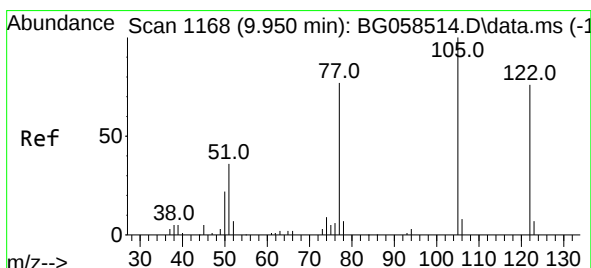
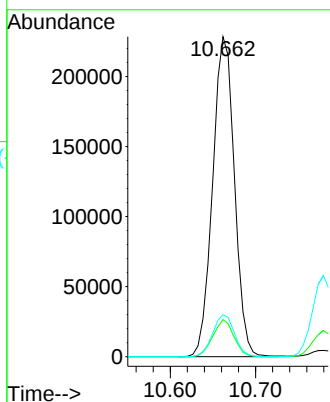
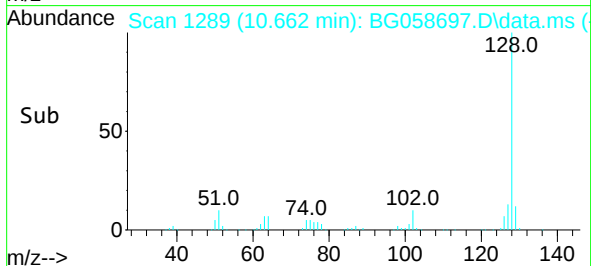


Tgt Ion:128 Resp: 40559  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.8 13.2  
127 13.1 10.9 16.3

Manual Integrations

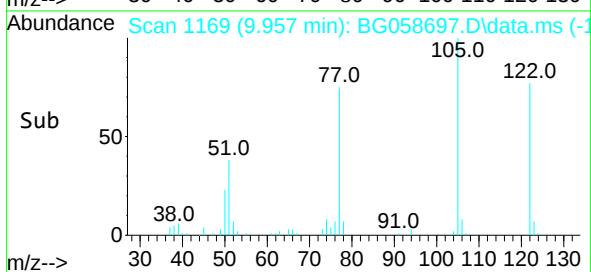
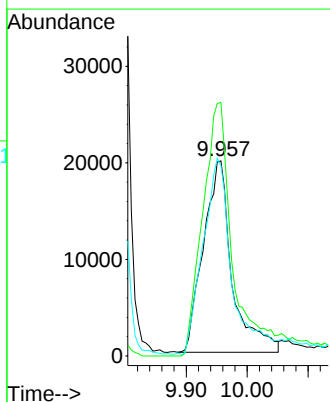
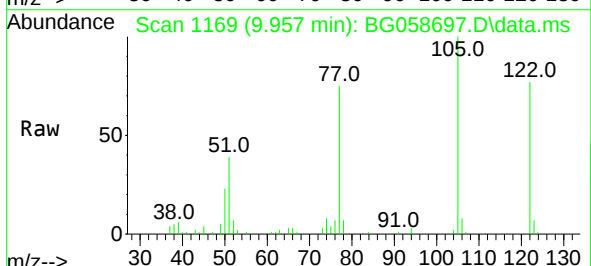
APPROVED

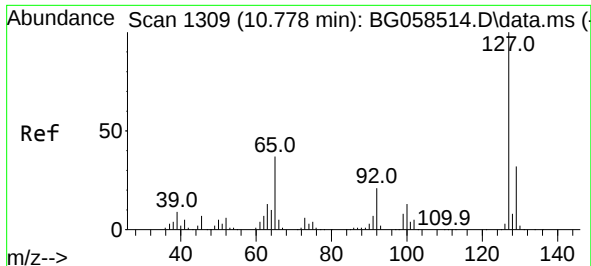
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#32  
Benzoic acid  
Concen: 30.313 ng  
RT: 9.957 min Scan# 1169  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:122 Resp: 65035  
Ion Ratio Lower Upper  
122 100  
105 130.1 106.5 146.5  
77 97.7 78.1 118.1





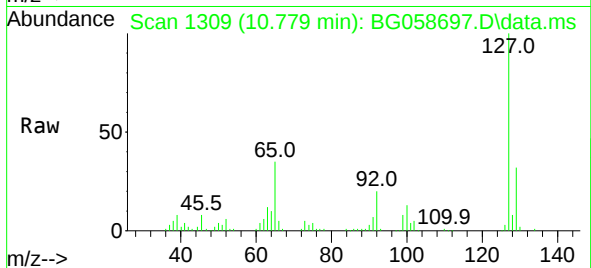
#33  
4-Chloroaniline  
Concen: 25.617 ng  
RT: 10.779 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

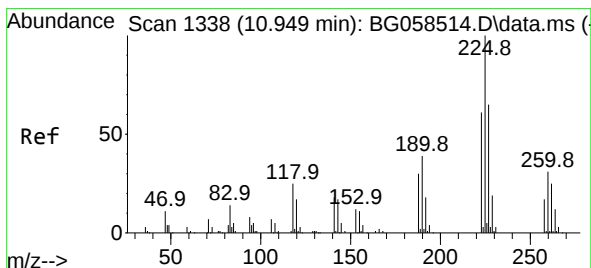
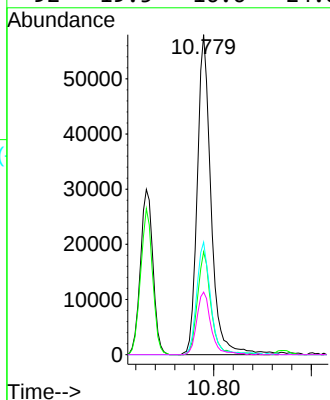
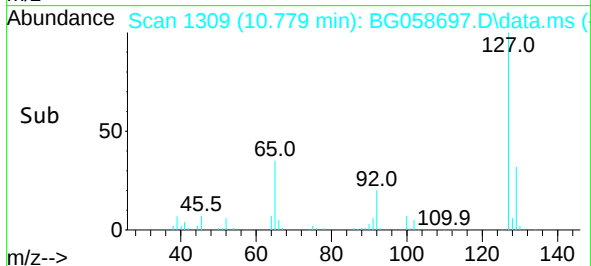


Tgt Ion:127 Resp: 114294  
Ion Ratio Lower Upper  
127 100  
129 32.2 25.4 38.2  
65 35.2 29.5 44.3  
92 19.5 16.6 24.8

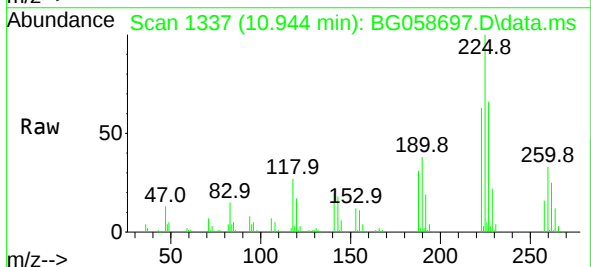
Manual Integrations

APPROVED

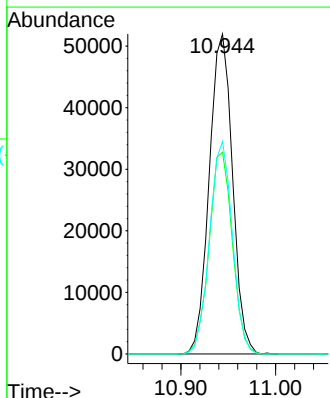
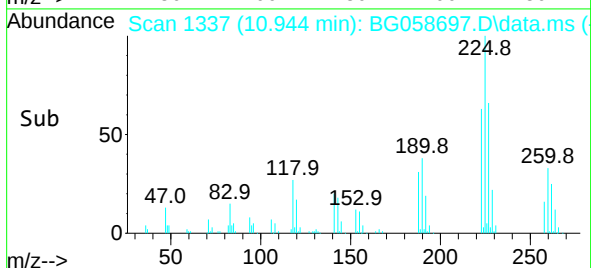
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

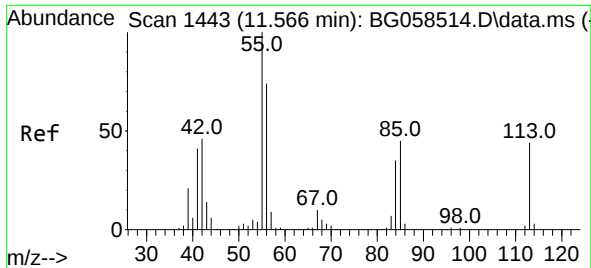


#34  
Hexachlorobutadiene  
Concen: 38.322 ng  
RT: 10.944 min Scan# 1337  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:225 Resp: 88470  
Ion Ratio Lower Upper  
225 100  
223 63.0 49.0 73.6  
227 66.4 51.7 77.5





#35  
Caprolactam  
Concen: 42.532 ng m  
RT: 11.555 min Scan# 1443  
Delta R.T. -0.011 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

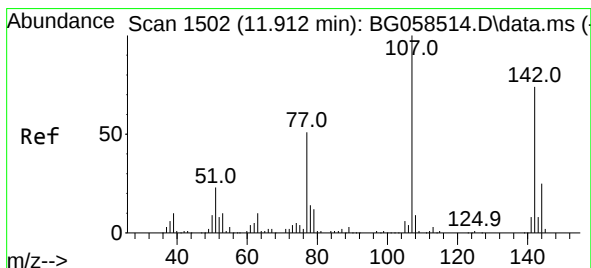
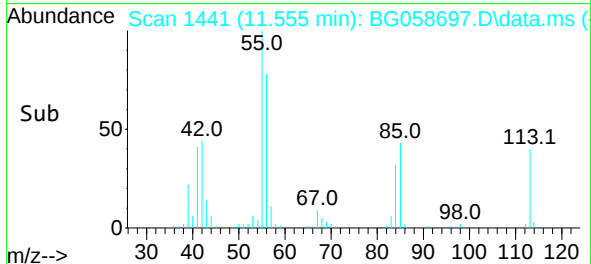
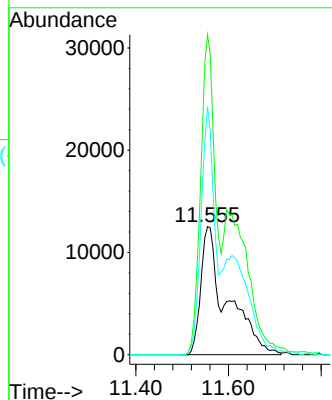
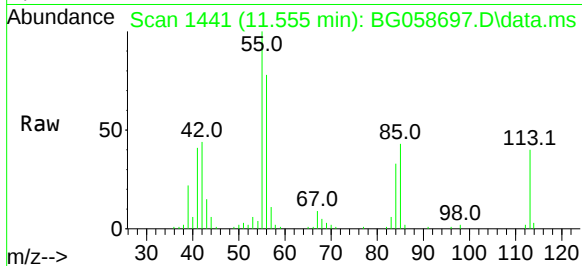
PB154742BS

Tgt Ion:113 Resp: 4882  
Ion Ratio Lower Upper  
113 100  
55 249.9 208.0 248.0  
56 193.7 148.6 188.6

Manual Integrations

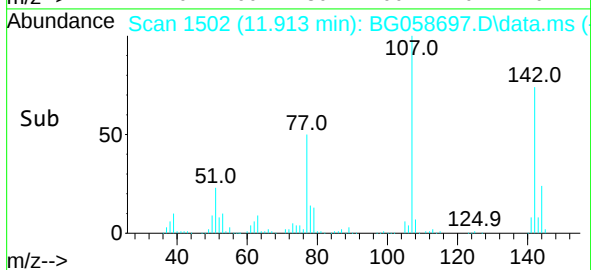
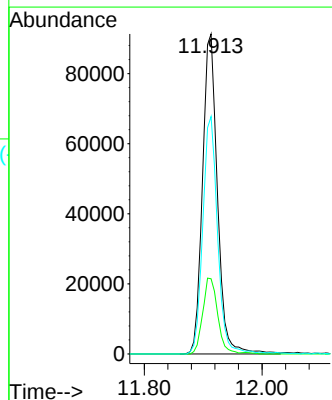
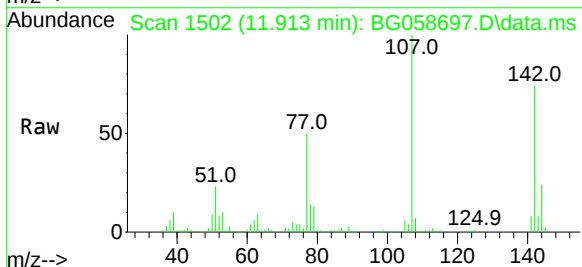
APPROVED

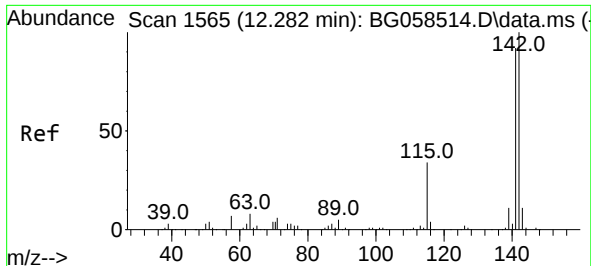
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#36  
4-Chloro-3-methylphenol  
Concen: 41.909 ng  
RT: 11.913 min Scan# 1502  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:107 Resp: 161149  
Ion Ratio Lower Upper  
107 100  
144 23.5 19.6 29.4  
142 74.2 59.3 88.9





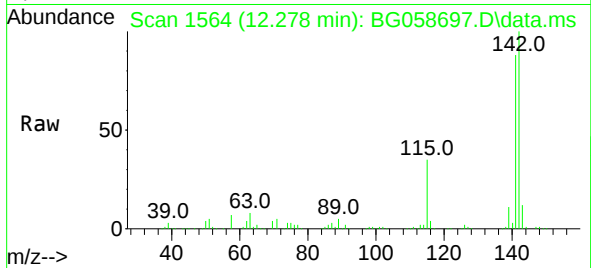
#37  
2-Methylnaphthalene  
Concen: 37.473 ng  
RT: 12.278 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

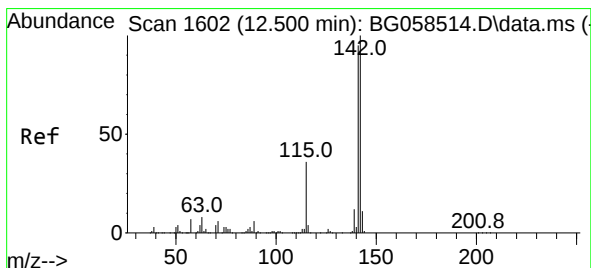
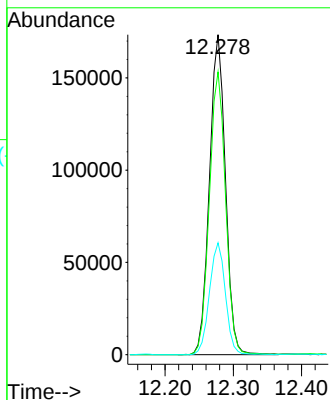
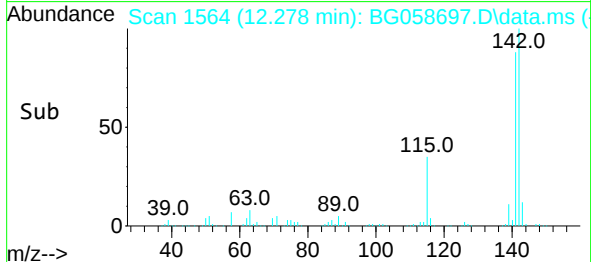


Tgt Ion:142 Resp: 28305  
Ion Ratio Lower Upper  
142 100  
141 88.3 73.5 110.3  
115 35.0 27.4 41.0

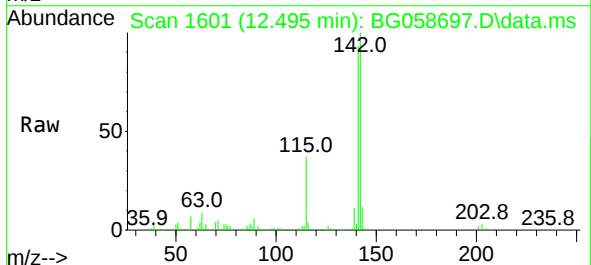
Manual Integrations

APPROVED

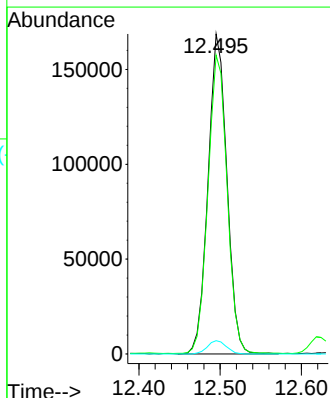
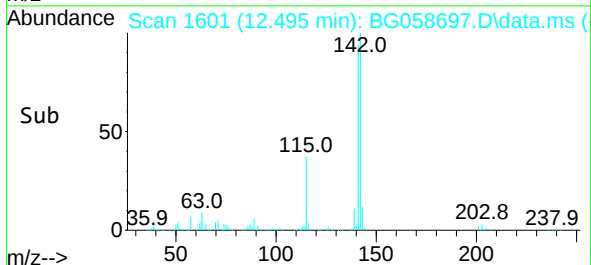
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

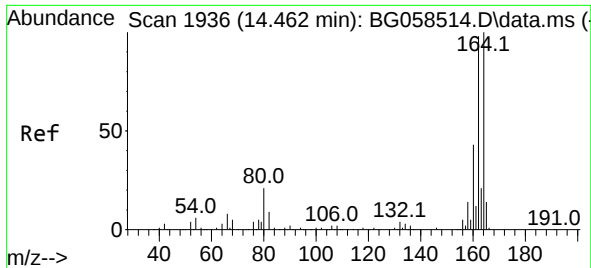


#38  
1-Methylnaphthalene  
Concen: 37.936 ng  
RT: 12.495 min Scan# 1601  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:142 Resp: 272396  
Ion Ratio Lower Upper  
142 100  
141 93.4 75.7 113.5  
116 4.2 3.2 4.8





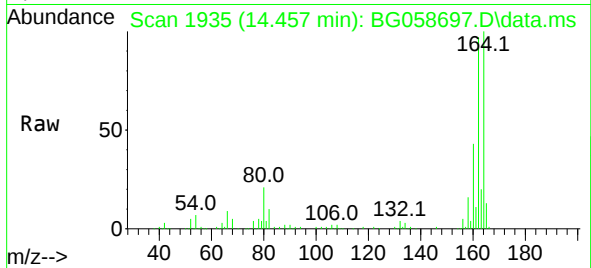
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1936  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

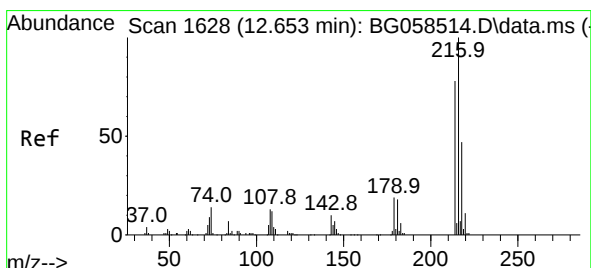
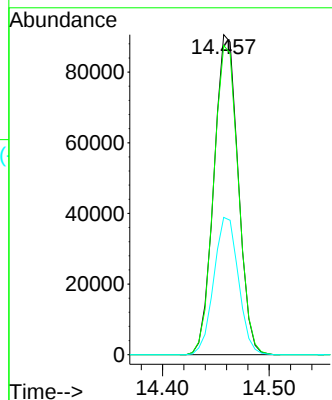
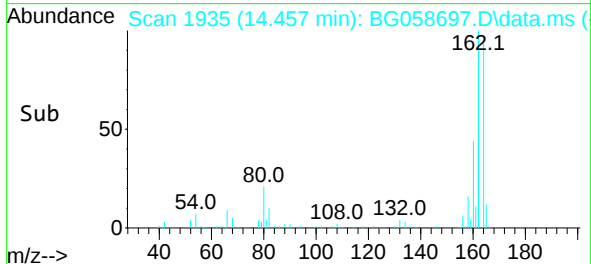


Tgt Ion:164 Resp: 14280  
Ion Ratio Lower Upper  
164 100  
162 96.7 78.3 117.5  
160 42.9 34.1 51.1

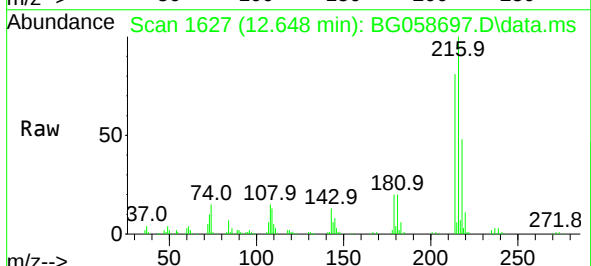
Manual Integrations

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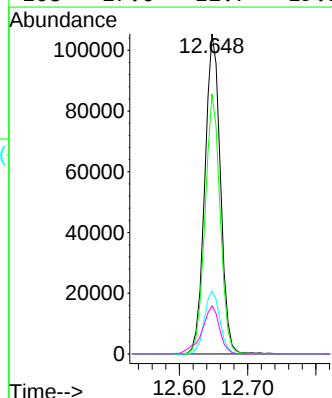
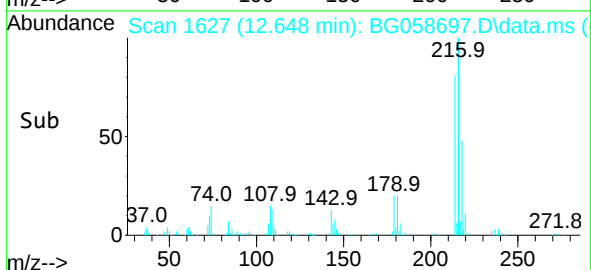
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

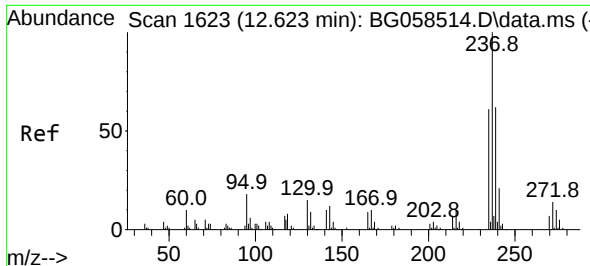


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.109 ng  
RT: 12.648 min Scan# 1627  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:216 Resp: 167073  
Ion Ratio Lower Upper  
216 100  
214 78.8 63.1 94.7  
179 19.6 15.6 23.4  
108 17.0 12.7 19.1





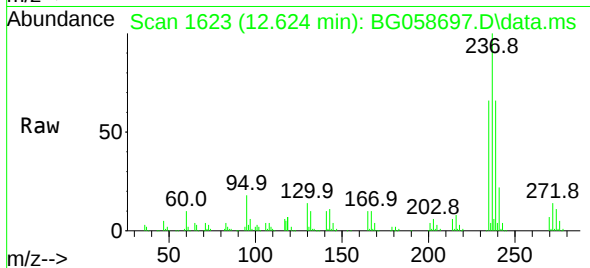
#41  
Hexachlorocyclopentadiene  
Concen: 68.453 ng  
RT: 12.624 min Scan# 1623  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

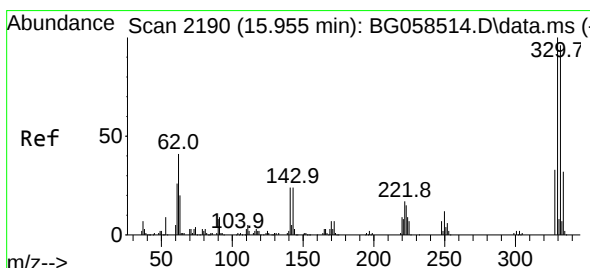
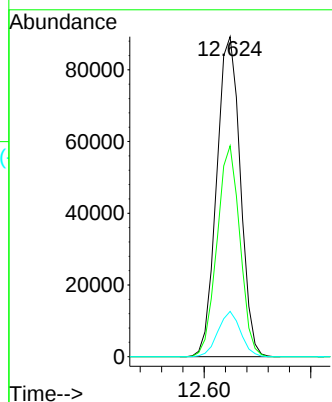


Tgt Ion:237 Resp: 13720  
Ion Ratio Lower Upper  
237 100  
235 65.9 41.0 81.0  
272 14.2 0.0 33.6

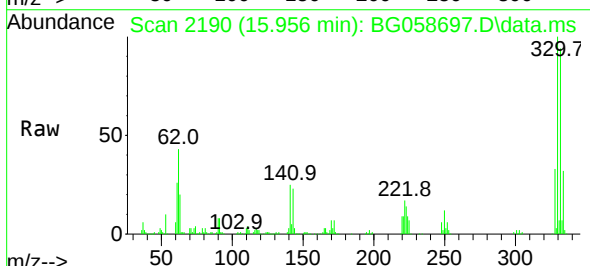
Manual Integrations

APPROVED

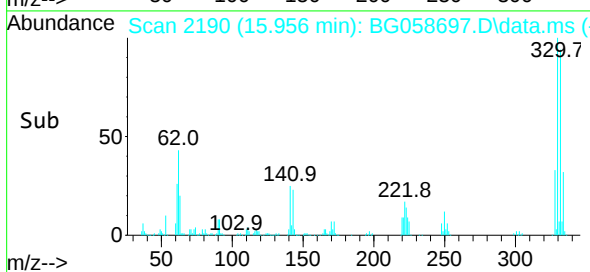
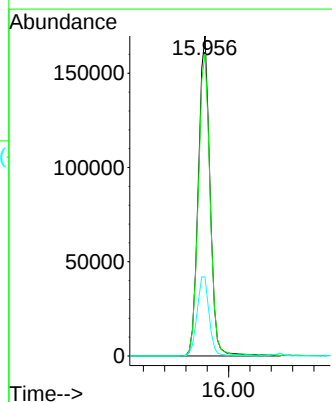
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

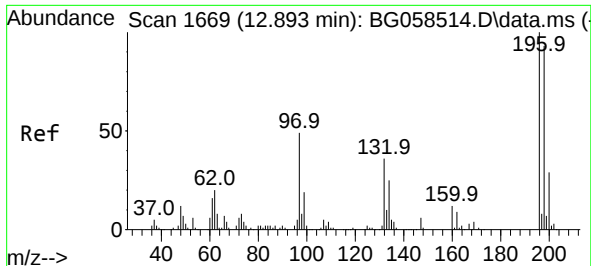


#42  
2,4,6-Tribromophenol  
Concen: 110.401 ng  
RT: 15.956 min Scan# 2190  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:330 Resp: 258406  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.5 116.3  
141 25.8 20.7 31.1





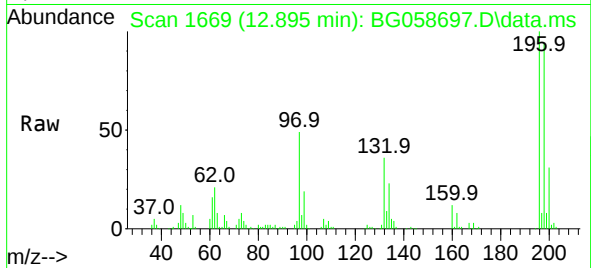
#43  
2,4,6-Trichlorophenol  
Concen: 40.295 ng  
RT: 12.895 min Scan# 1669  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

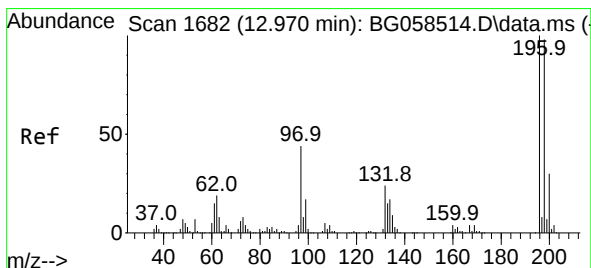
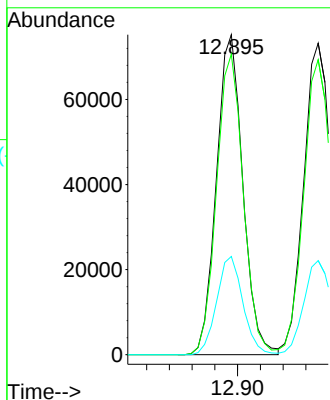


Tgt Ion:196 Resp: 121509  
Ion Ratio Lower Upper  
196 100  
198 93.9 74.2 111.4  
200 30.7 22.9 34.3

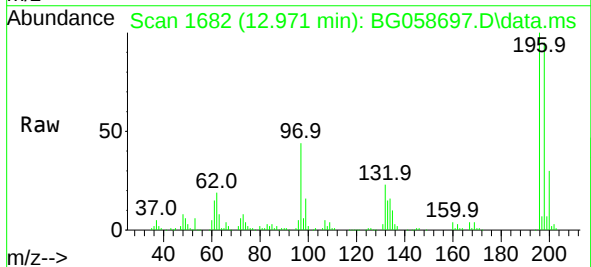
Manual Integrations

APPROVED

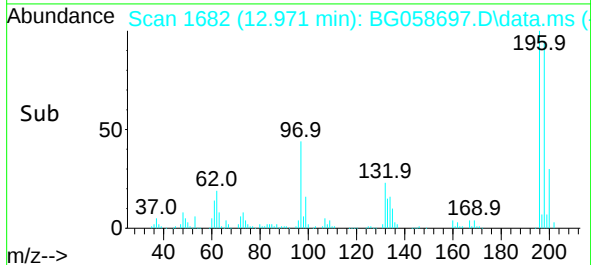
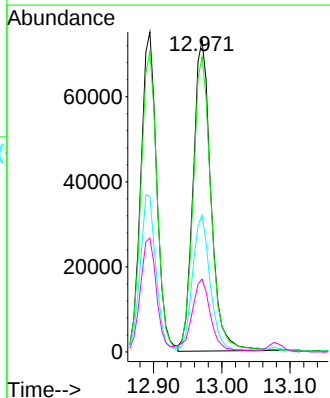
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

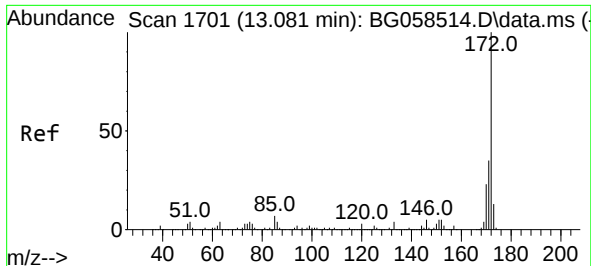


#44  
2,4,5-Trichlorophenol  
Concen: 37.208 ng  
RT: 12.971 min Scan# 1682  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:196 Resp: 132153  
Ion Ratio Lower Upper  
196 100  
198 94.7 78.3 117.5  
97 43.9 35.2 52.8  
132 23.4 19.4 29.0





#45  
2-Fluorobiphenyl  
Concen: 71.269 ng  
RT: 13.077 min Scan# 1700  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

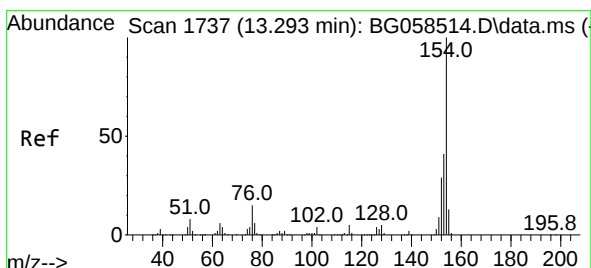
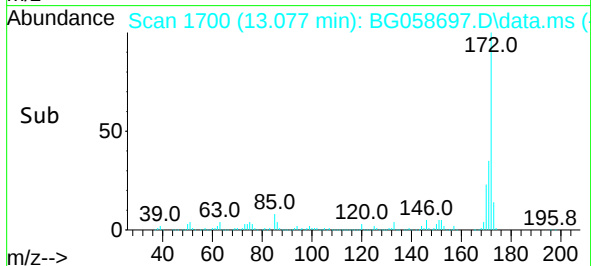
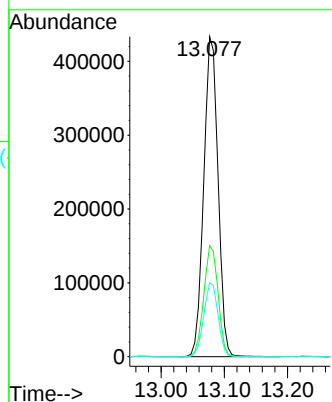
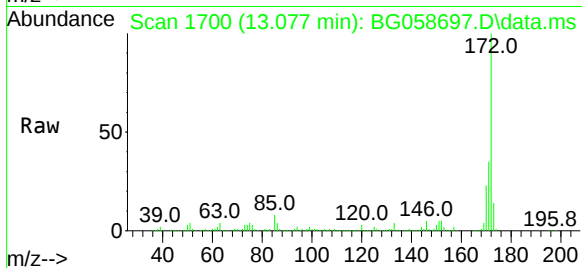
PB154742BS

Tgt Ion:172 Resp: 679124  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.0 42.0  
170 23.1 18.4 27.6

Manual Integrations

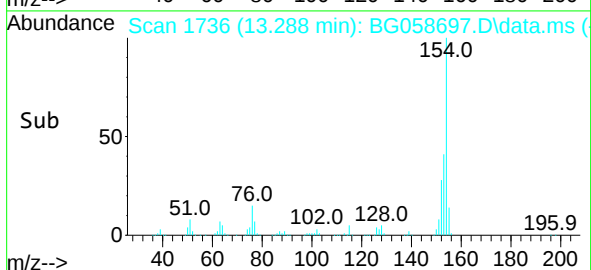
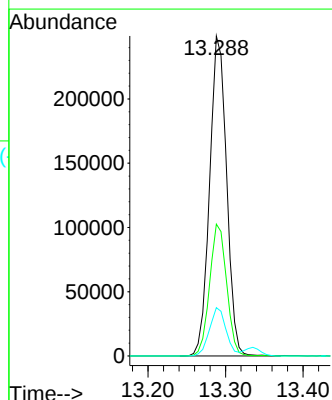
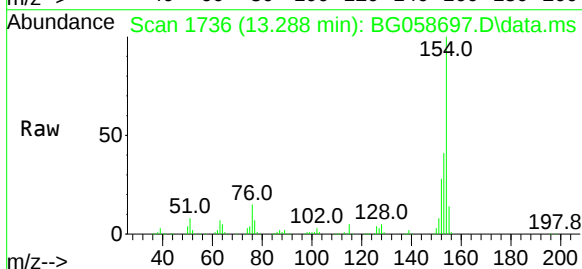
APPROVED

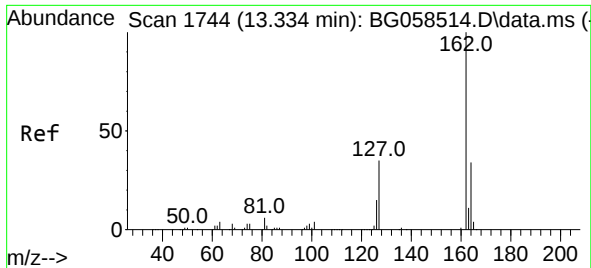
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#46  
1,1'-Biphenyl  
Concen: 38.645 ng  
RT: 13.288 min Scan# 1736  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

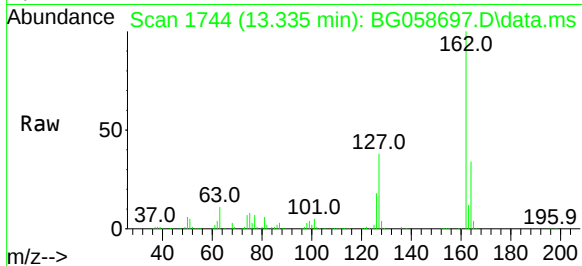
Tgt Ion:154 Resp: 378984  
Ion Ratio Lower Upper  
154 100  
153 41.2 21.2 61.2  
76 15.1 0.0 34.7





#47  
2-Chloronaphthalene  
Concen: 39.794 ng  
RT: 13.335 min Scan# 1744  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

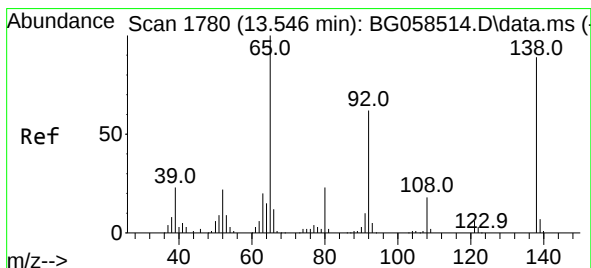
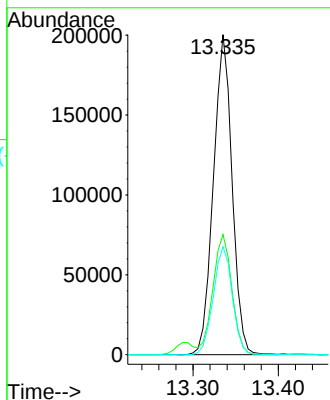
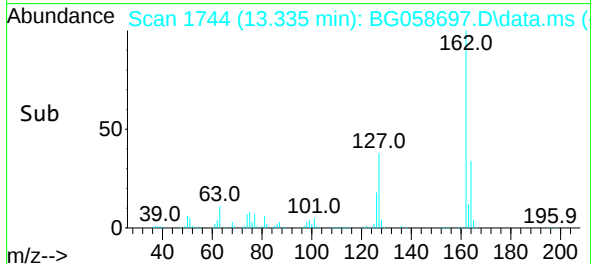
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



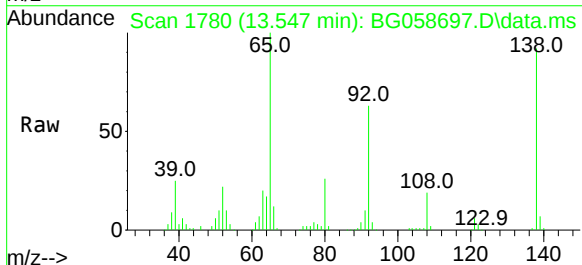
Tgt Ion:162 Resp: 304280  
Ion Ratio Lower Upper  
162 100  
127 37.5 30.9 46.3  
164 33.7 27.2 40.8

Manual Integrations  
APPROVED

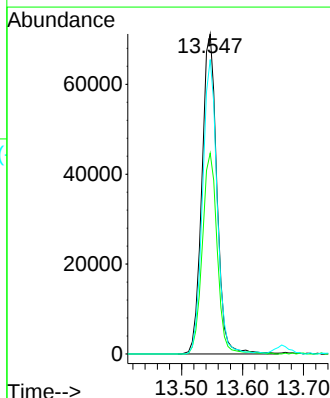
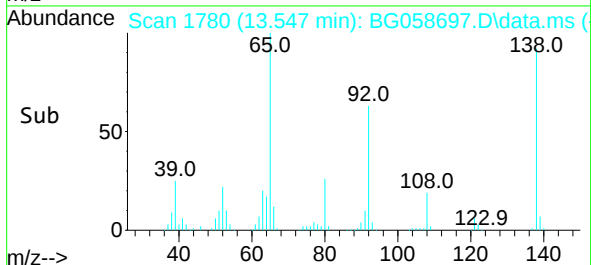
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

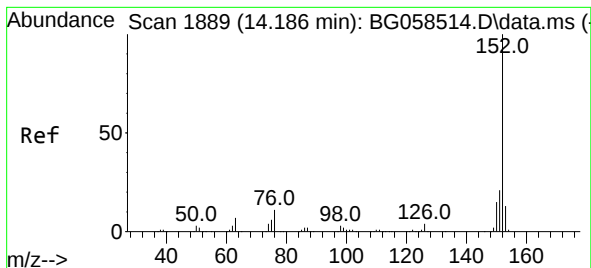


#48  
2-Nitroaniline  
Concen: 41.685 ng  
RT: 13.547 min Scan# 1780  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion: 65 Resp: 121662  
Ion Ratio Lower Upper  
65 100  
92 62.8 49.2 73.8  
138 92.0 71.5 107.3





#49

Acenaphthylene

Concen: 40.109 ng

RT: 14.181 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

Tgt Ion:152 Resp: 513469

Ion Ratio Lower Upper

152 100

151 20.7 16.5 24.7

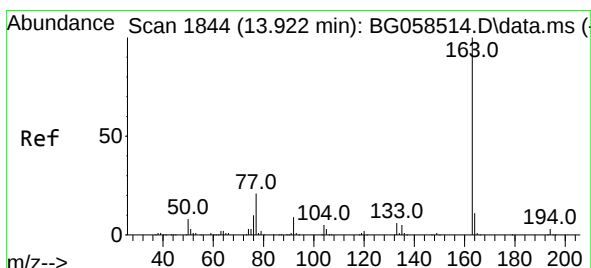
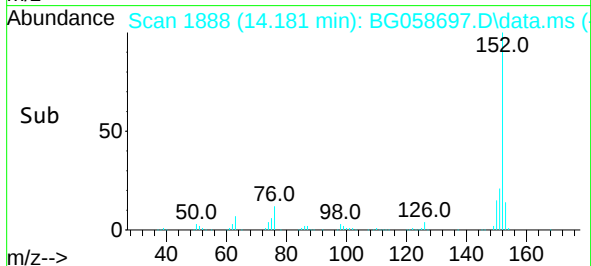
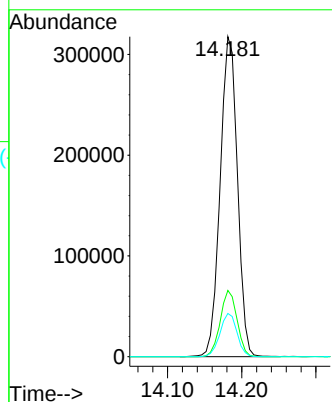
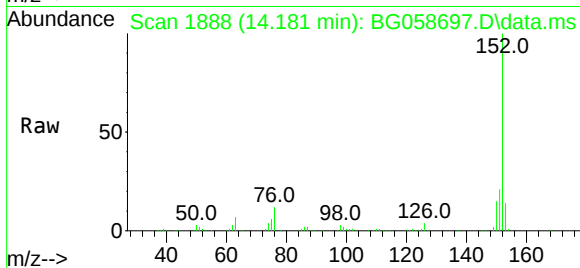
153 13.5 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/12/2023



#50

Dimethylphthalate

Concen: 39.923 ng

RT: 13.917 min Scan# 1843

Delta R.T. -0.005 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

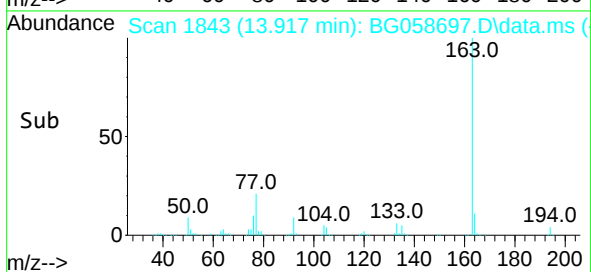
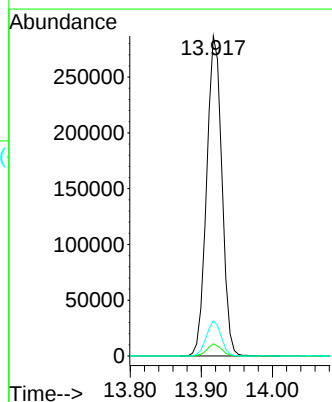
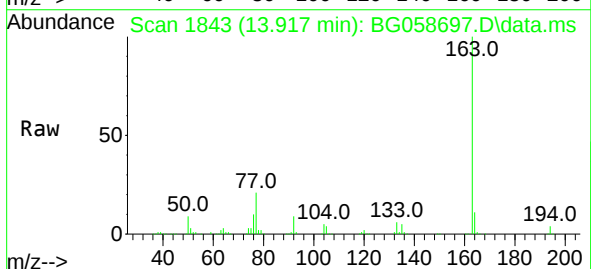
Tgt Ion:163 Resp: 428159

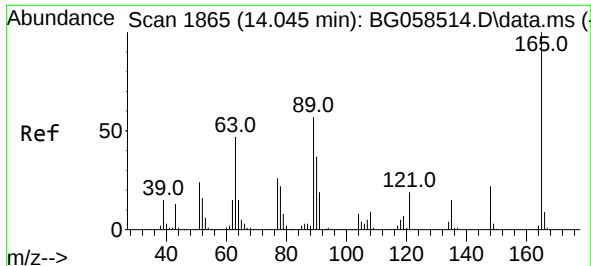
Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

164 11.0 8.6 12.8





#51  
2,6-Dinitrotoluene  
Concen: 40.440 ng  
RT: 14.040 min Scan# 1865  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

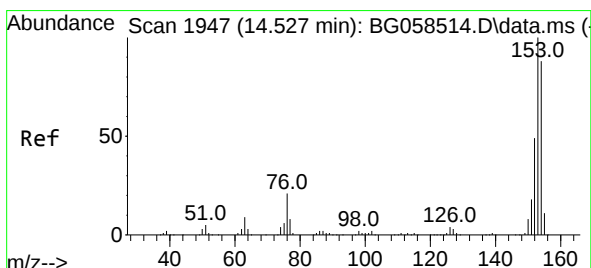
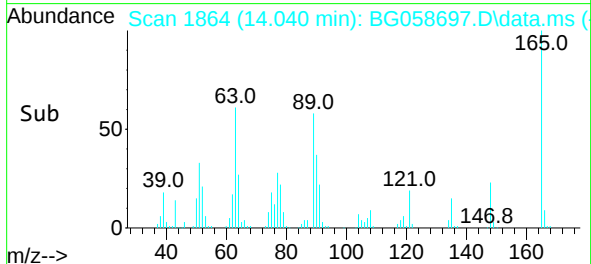
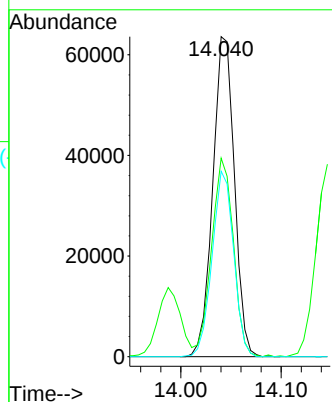
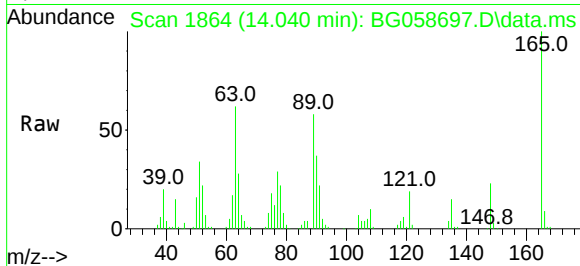
PB154742BS

Tgt Ion:165 Resp: 95164  
Ion Ratio Lower Upper  
165 100  
63 62.1 46.4 69.6  
89 58.0 45.3 67.9

Manual Integrations

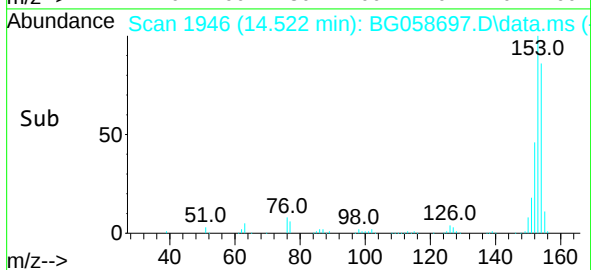
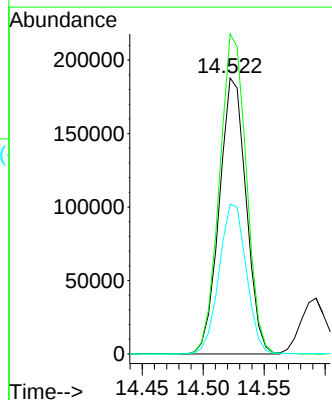
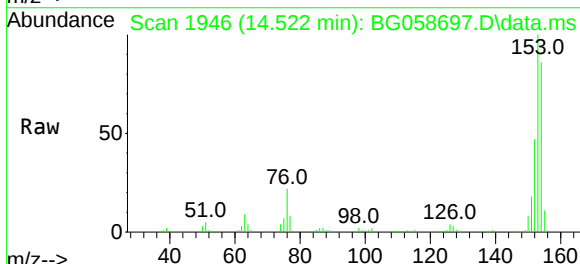
APPROVED

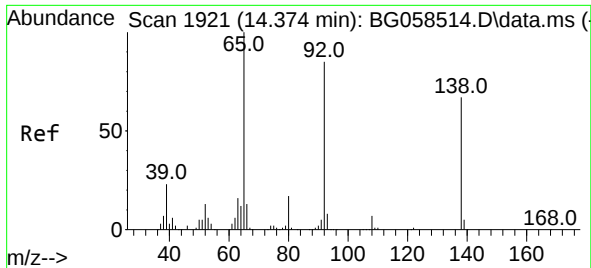
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#52  
Acenaphthene  
Concen: 38.913 ng  
RT: 14.522 min Scan# 1946  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:154 Resp: 287848  
Ion Ratio Lower Upper  
154 100  
153 115.9 91.1 136.7  
152 54.3 44.6 66.8





#53  
3-Nitroaniline  
Concen: 30.045 ng  
RT: 14.375 min Scan# 1921  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

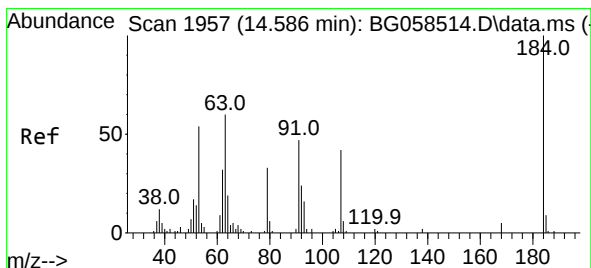
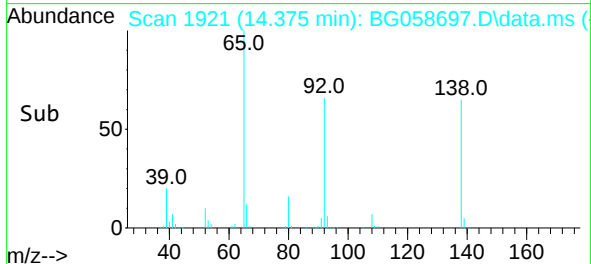
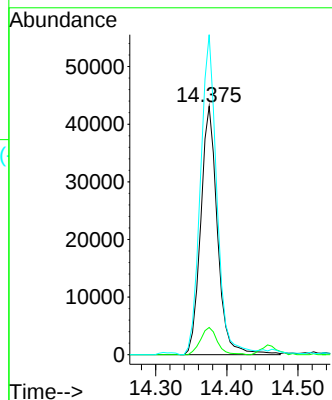
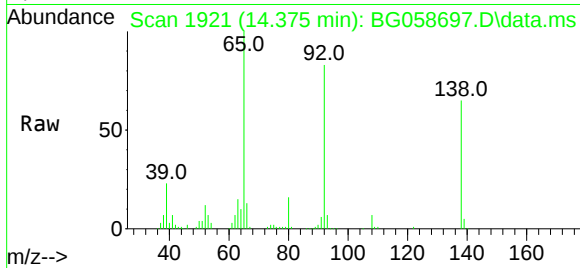
ClientSampleId :

PB154742BS

Tgt Ion:138 Resp: 70730  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.3 12.5  
92 128.9 101.1 151.7

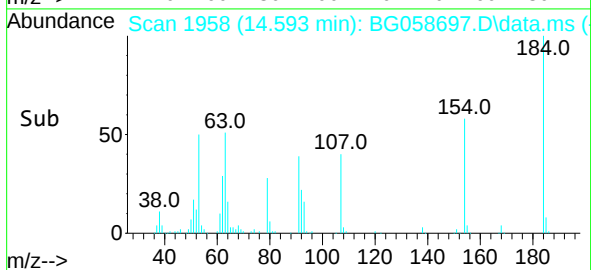
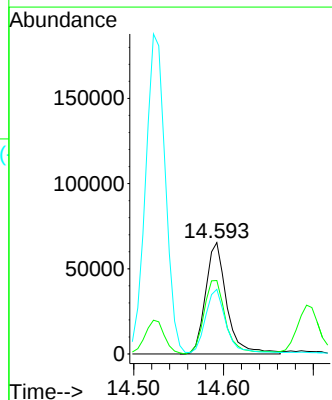
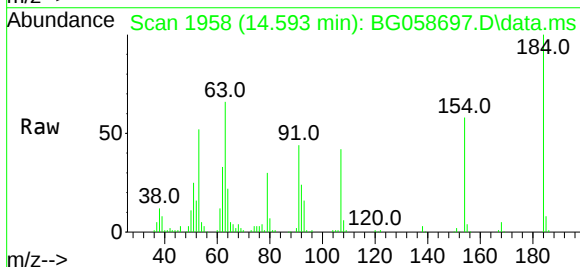
Manual Integrations  
APPROVED

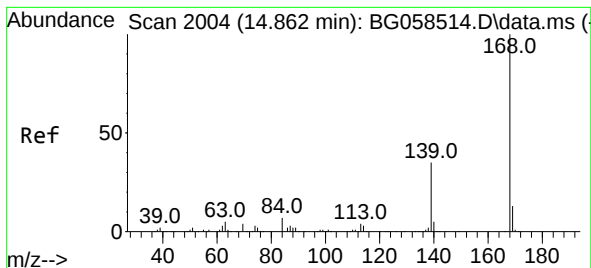
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#54  
2,4-Dinitrophenol  
Concen: 80.515 ng  
RT: 14.593 min Scan# 1958  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:184 Resp: 106877  
Ion Ratio Lower Upper  
184 100  
63 65.9 56.7 85.1  
154 58.1 46.1 69.1





#55

Dibenzenofuran

Concen: 38.721 ng

RT: 14.863 min Scan# 2004

Delta R.T. 0.001 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

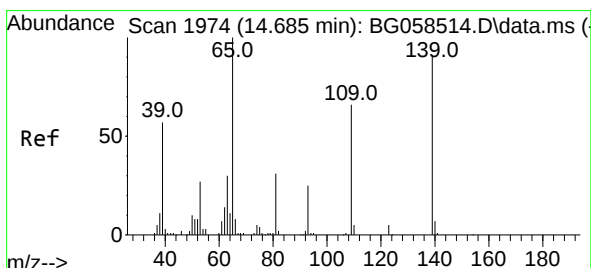
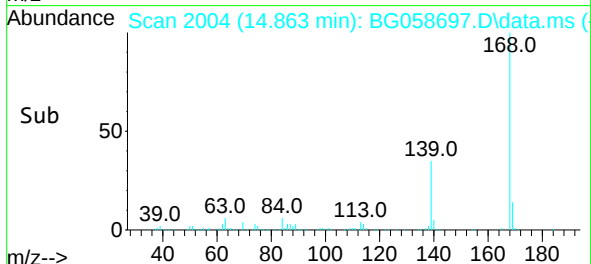
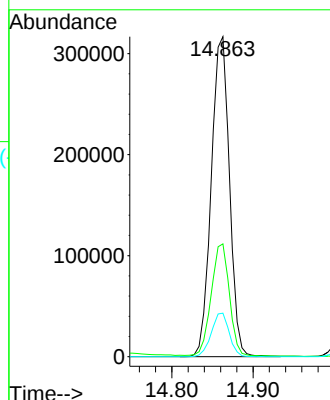
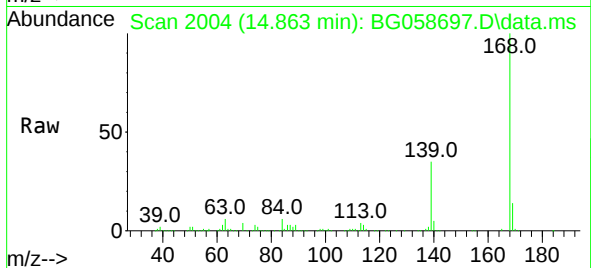
PB154742BS

|             |             |
|-------------|-------------|
| Tgt Ion:168 | Resp: 49217 |
| Ion Ratio   | Lower Upper |
| 168 100     |             |
| 139 35.3    | 27.8 41.8   |
| 169 13.6    | 10.6 16.0   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#56

4-Nitrophenol

Concen: 86.601 ng

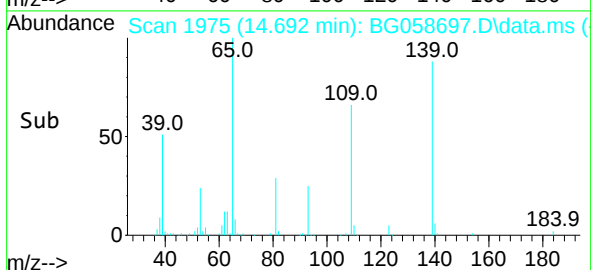
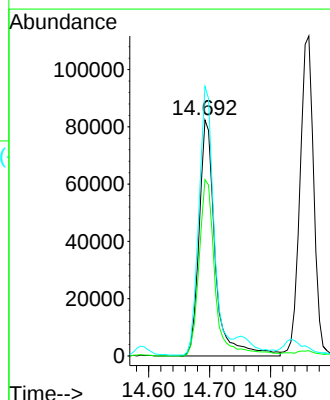
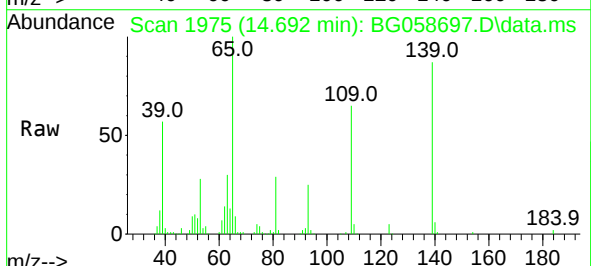
RT: 14.692 min Scan# 1975

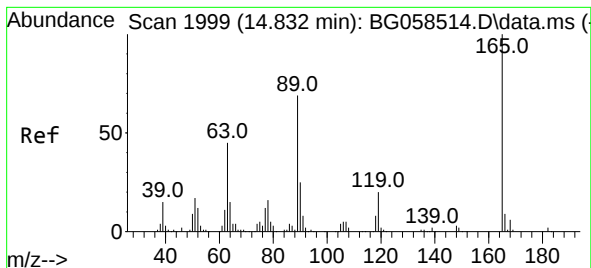
Delta R.T. 0.007 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

|             |              |
|-------------|--------------|
| Tgt Ion:139 | Resp: 151580 |
| Ion Ratio   | Lower Upper  |
| 139 100     |              |
| 109 74.8    | 52.5 92.5    |
| 65 114.3    | 90.5 130.5   |





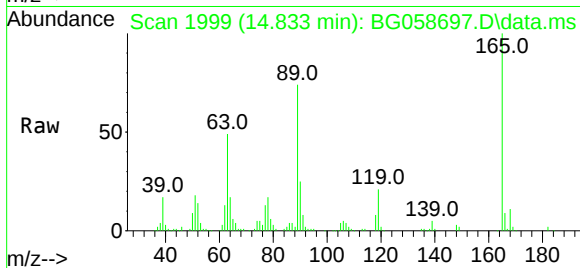
#57  
2,4-Dinitrotoluene  
Concen: 42.481 ng  
RT: 14.833 min Scan# 1999  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

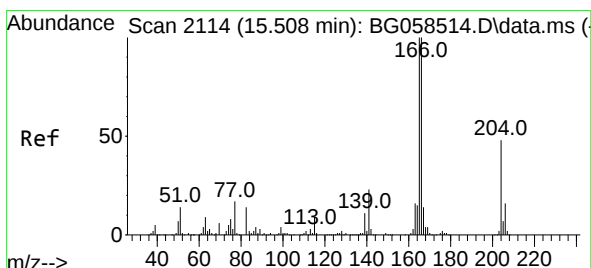
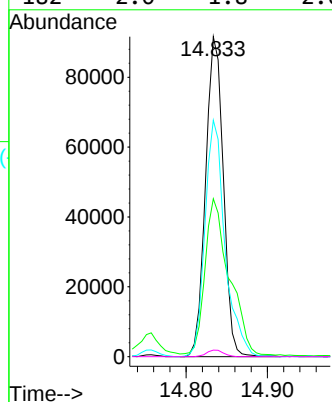
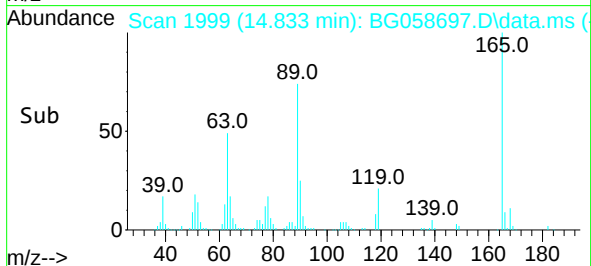


Tgt Ion:165 Resp: 13859  
Ion Ratio Lower Upper  
165 100  
63 49.4 36.6 54.8  
89 73.9 55.4 83.0  
182 2.0 1.8 2.6

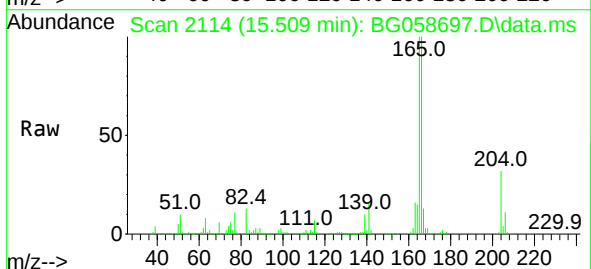
Manual Integrations

APPROVED

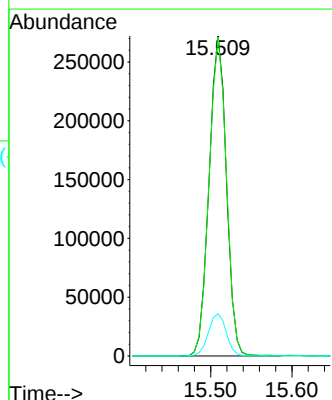
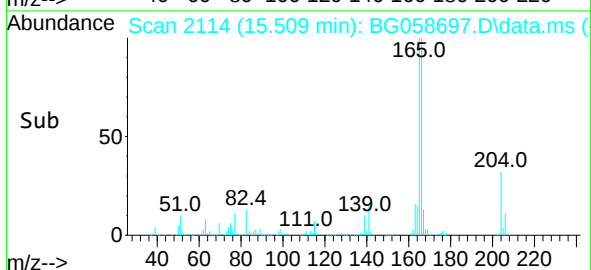
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

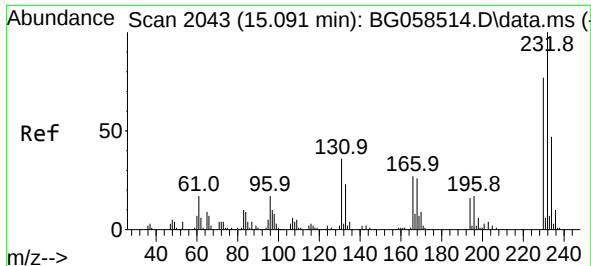


#58  
Fluorene  
Concen: 39.830 ng  
RT: 15.509 min Scan# 2114  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:166 Resp: 402185  
Ion Ratio Lower Upper  
166 100  
165 99.6 80.0 120.0  
167 13.2 11.3 16.9





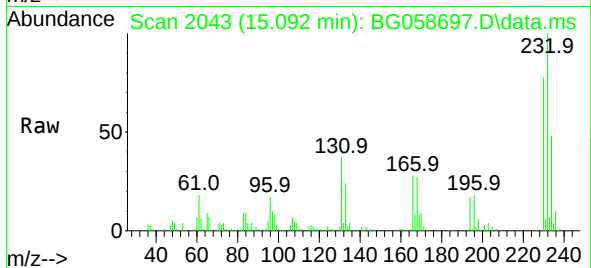
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.718 ng  
RT: 15.092 min Scan# 2043  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

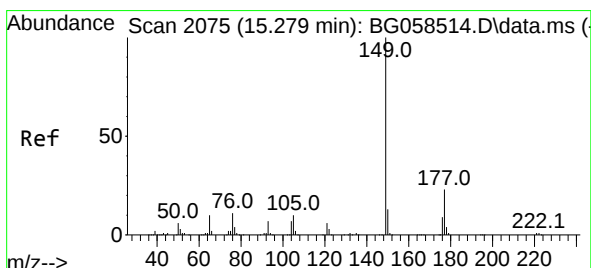
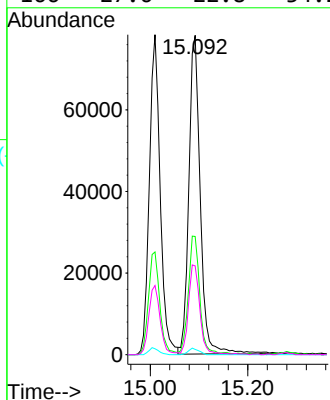
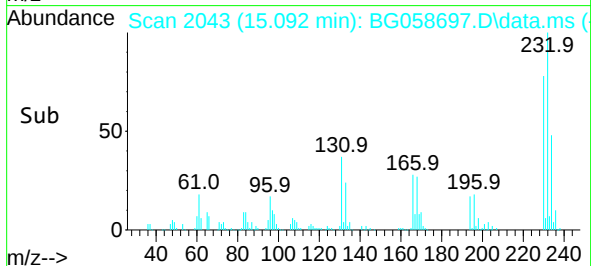


Tgt Ion:232 Resp: 126439  
Ion Ratio Lower Upper  
232 100  
131 35.9 30.0 45.0  
130 1.9 1.5 2.3  
166 27.6 22.8 34.2

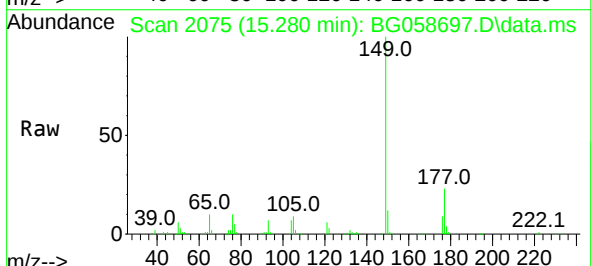
Manual Integrations

APPROVED

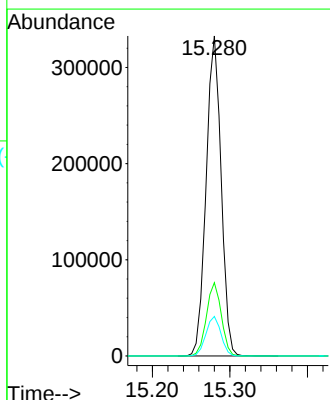
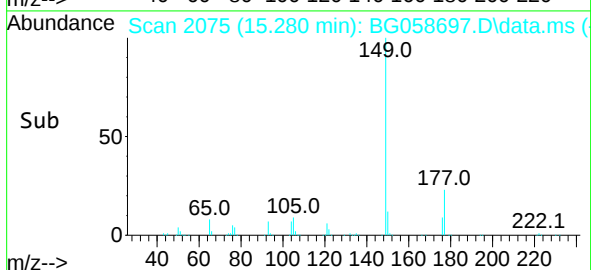
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

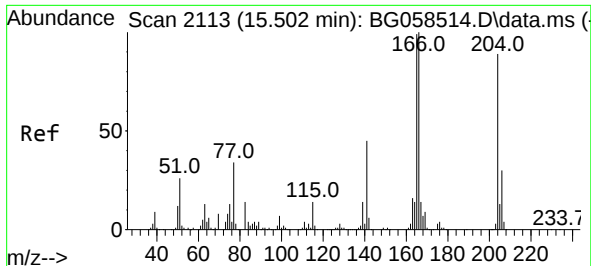


#60  
Diethylphthalate  
Concen: 40.775 ng  
RT: 15.280 min Scan# 2075  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:149 Resp: 445498  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.2 27.4  
150 12.4 10.2 15.4





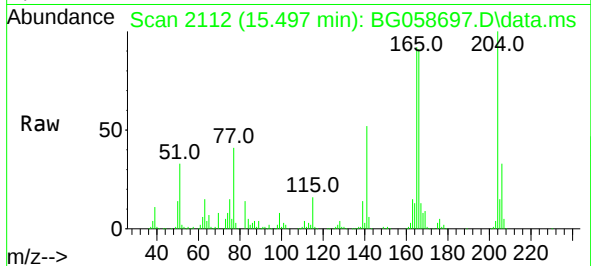
#61  
4-Chlorophenyl-phenylether  
Concen: 38.822 ng  
RT: 15.497 min Scan# 2113  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

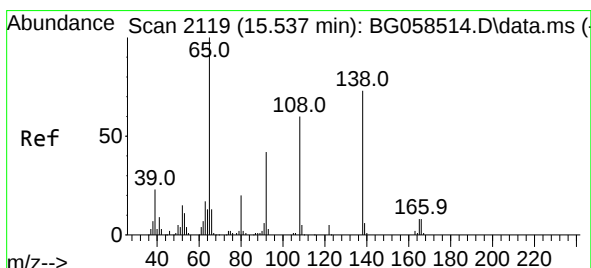
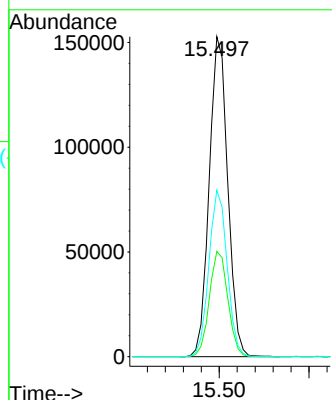
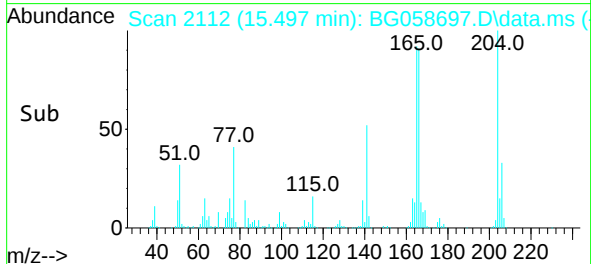


Tgt Ion:204 Resp: 21854  
Ion Ratio Lower Upper  
204 100  
206 32.9 27.0 40.4  
141 52.0 40.8 61.2

Manual Integrations

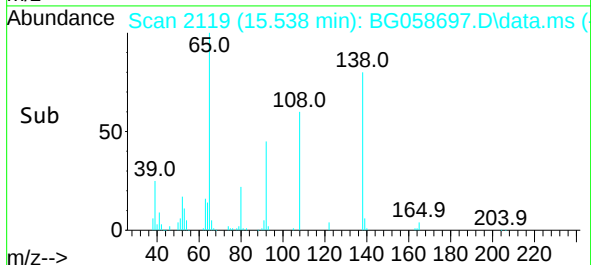
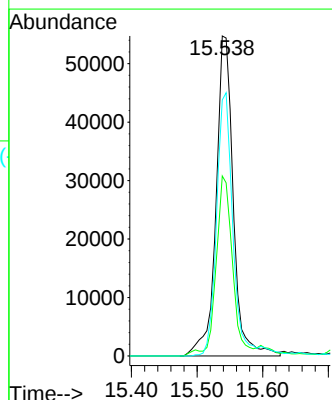
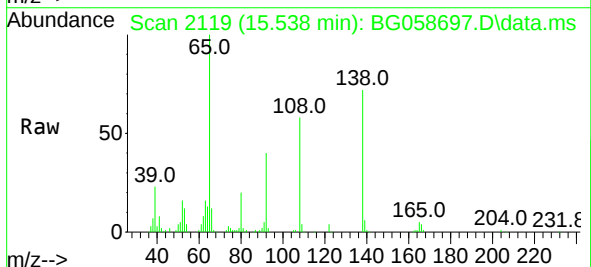
APPROVED

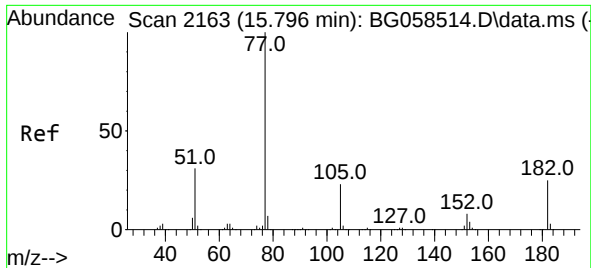
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#62  
4-Nitroaniline  
Concen: 44.746 ng  
RT: 15.538 min Scan# 2119  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:138 Resp: 99796  
Ion Ratio Lower Upper  
138 100  
92 56.2 37.3 77.3  
108 80.0 62.6 102.6





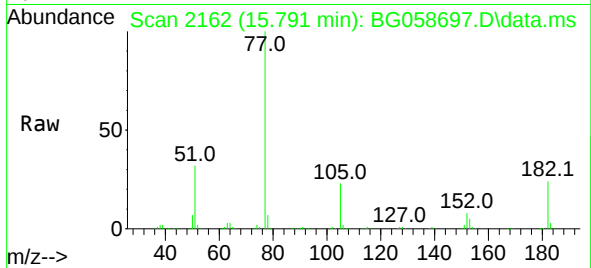
#63  
Azobenzene  
Concen: 40.016 ng  
RT: 15.791 min Scan# 2163  
Delta R.T. -0.005 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

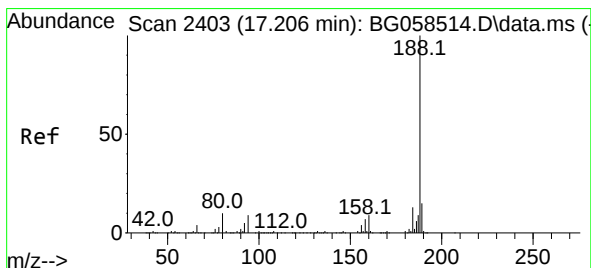
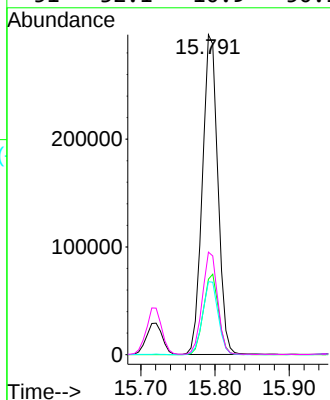
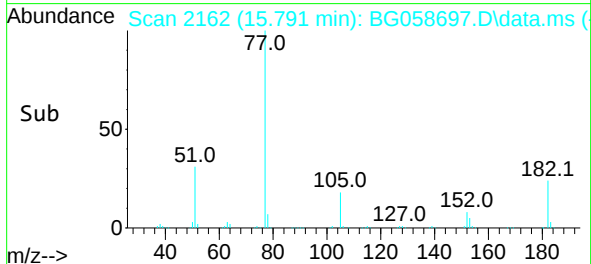


Tgt Ion: 77 Resp: 430639  
Ion Ratio Lower Upper  
77 100  
182 23.6 4.6 44.6  
105 22.8 3.3 43.3  
51 32.1 10.9 50.9

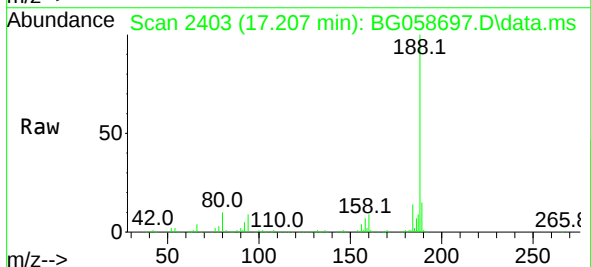
Manual Integrations

APPROVED

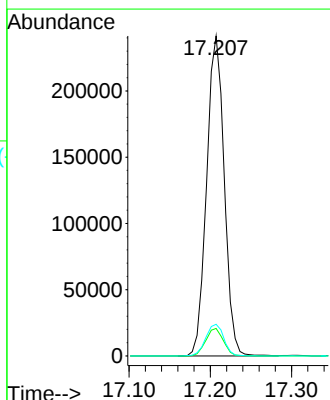
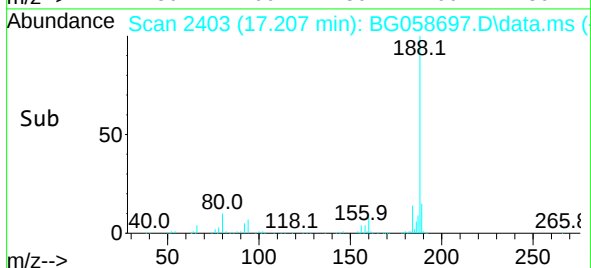
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

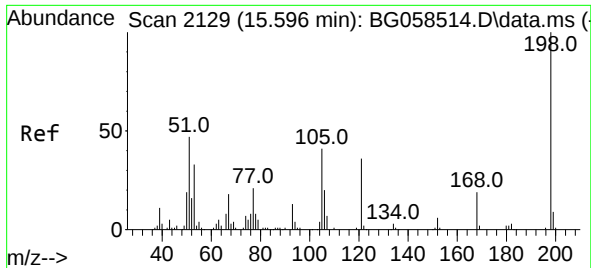


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.207 min Scan# 2403  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:188 Resp: 363162  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.0 10.6  
80 9.9 8.1 12.1





#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.428 ng  
RT: 15.603 min Scan# 2129  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

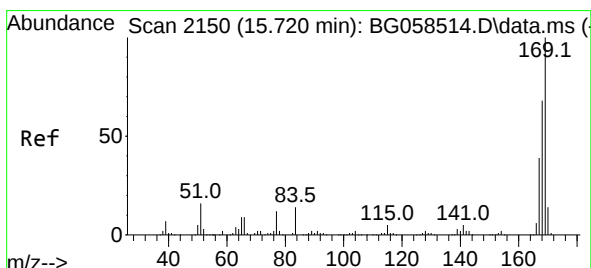
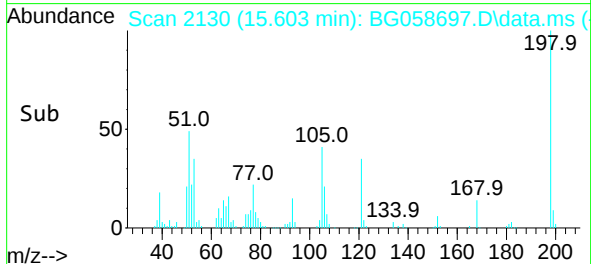
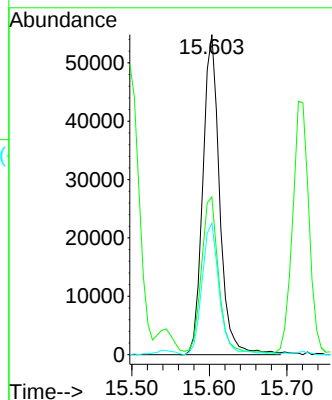
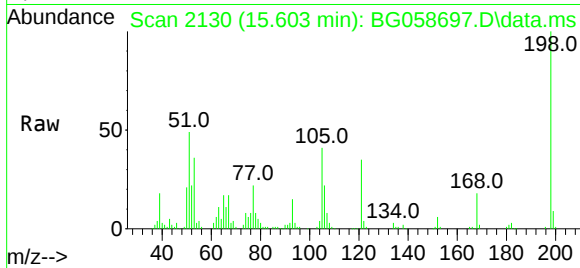
PB154742BS

Tgt Ion:198 Resp: 82950  
Ion Ratio Lower Upper  
198 100  
51 49.3 29.3 69.3  
105 41.1 21.0 61.0

Manual Integrations

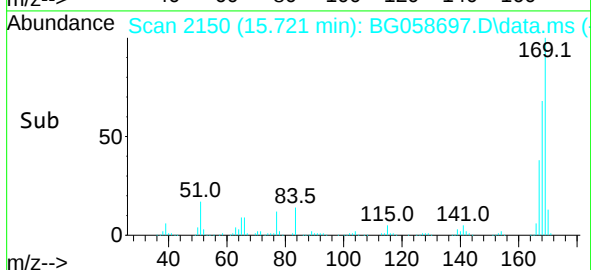
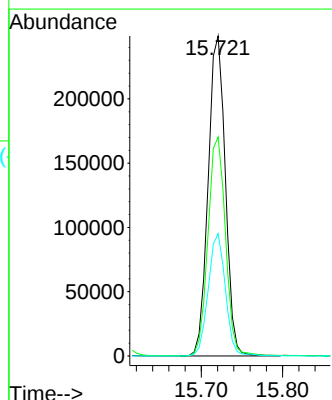
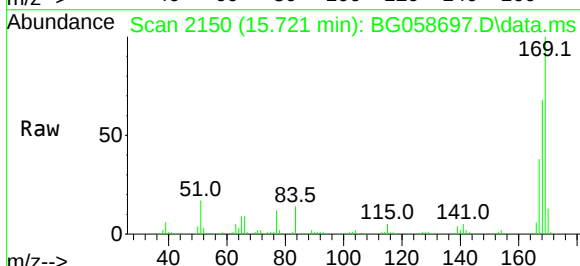
APPROVED

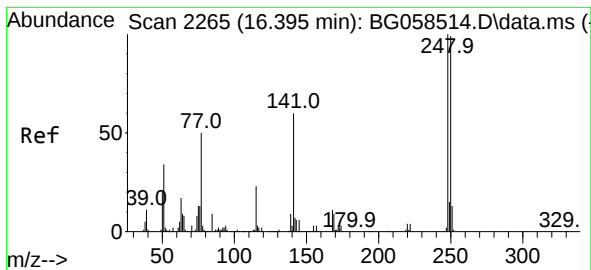
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#66  
n-Nitrosodiphenylamine  
Concen: 38.646 ng  
RT: 15.721 min Scan# 2150  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Tgt Ion:169 Resp: 365285  
Ion Ratio Lower Upper  
169 100  
168 68.5 54.6 82.0  
167 38.3 31.3 46.9





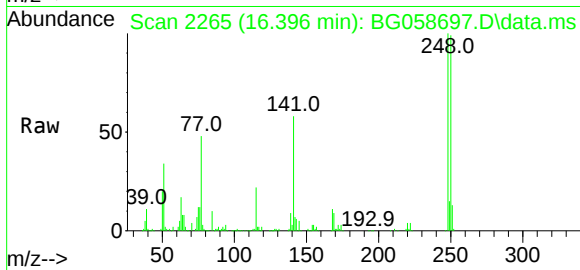
#67  
4-Bromophenyl-phenylether  
Concen: 37.978 ng  
RT: 16.396 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

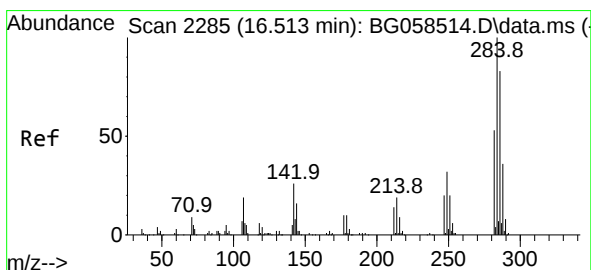
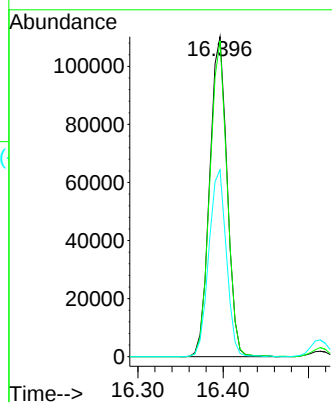
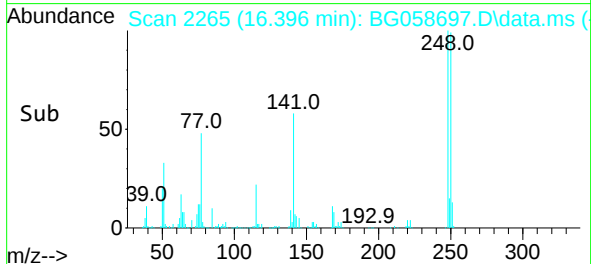


Tgt Ion:248 Resp: 15643  
Ion Ratio Lower Upper  
248 100  
250 98.8 79.5 119.3  
141 58.4 48.2 72.2

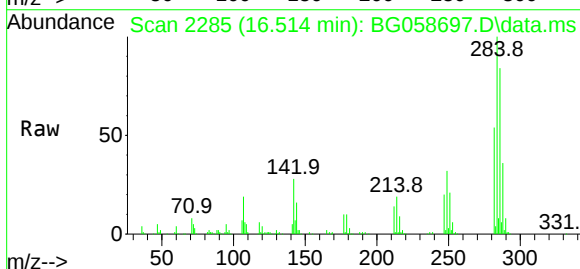
Manual Integrations

APPROVED

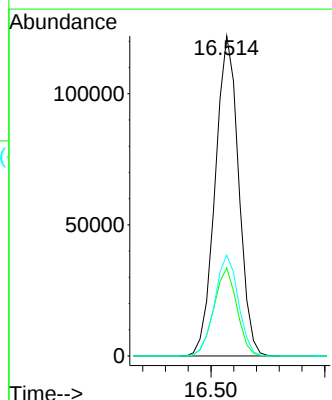
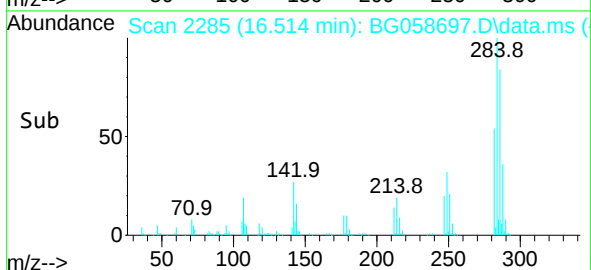
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

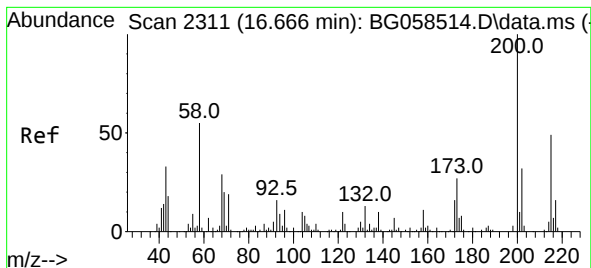


#68  
Hexachlorobenzene  
Concen: 39.947 ng  
RT: 16.514 min Scan# 2285  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:284 Resp: 174359  
Ion Ratio Lower Upper  
284 100  
142 27.5 21.0 31.4  
249 31.6 25.5 38.3





#69

Atrazine

Concen: 47.697 ng

RT: 16.667 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG058697.D

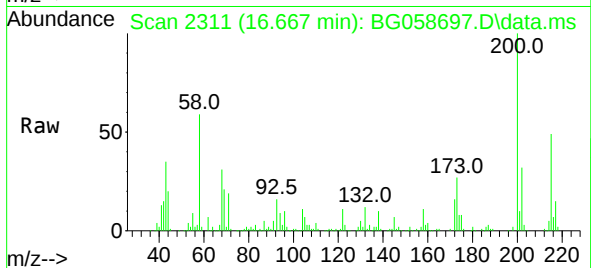
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS



Tgt Ion:200 Resp: 15219

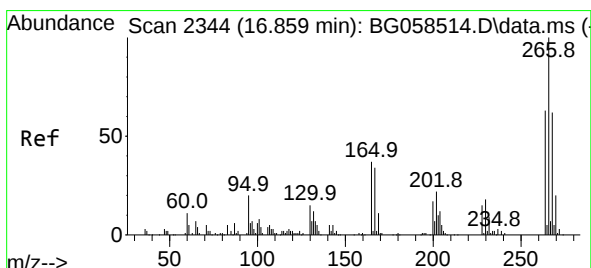
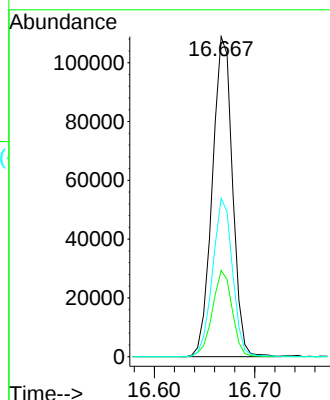
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 26.9  | 6.5   | 46.5  |
| 215 | 49.4  | 28.9  | 68.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/12/2023



#70

Pentachlorophenol

Concen: 66.192 ng

RT: 16.860 min Scan# 2344

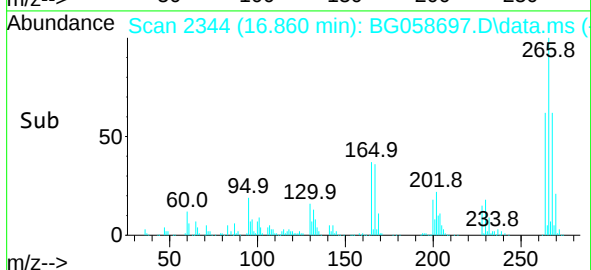
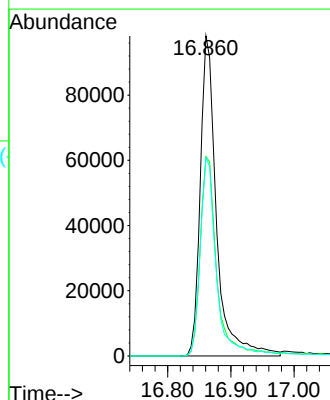
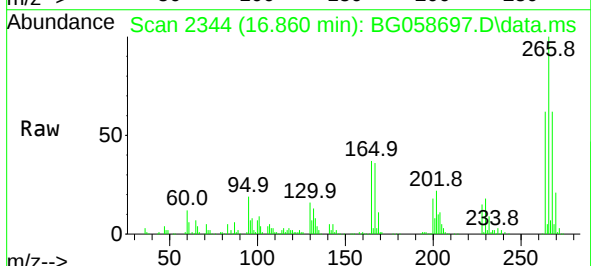
Delta R.T. 0.001 min

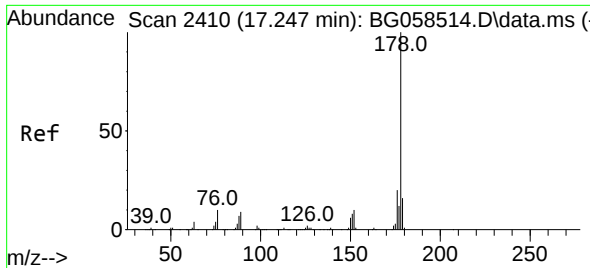
Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Tgt Ion:266 Resp: 174872

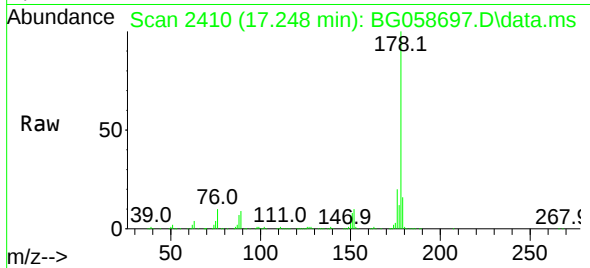
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 62.3  | 49.9  | 74.9  |
| 264 | 61.9  | 50.2  | 75.4  |





#71  
Phenanthrene  
Concen: 39.319 ng  
RT: 17.248 min Scan# 2410  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

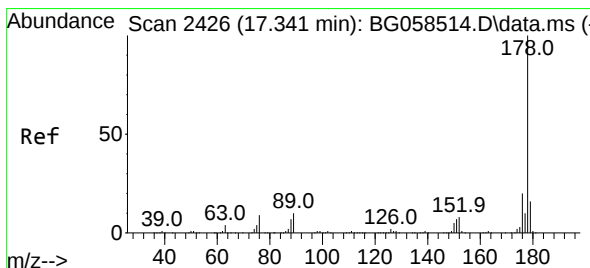
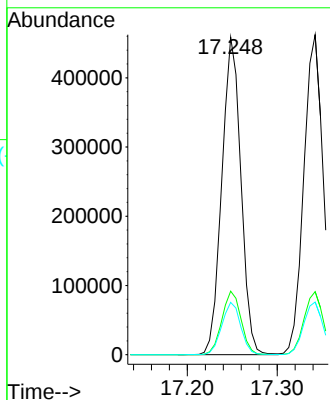
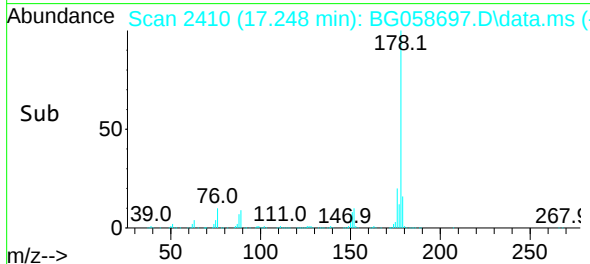
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



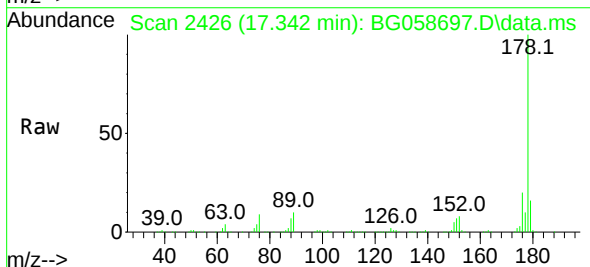
Tgt Ion:178 Resp: 677180  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.3 24.5  
179 16.5 13.1 19.7

Manual Integrations  
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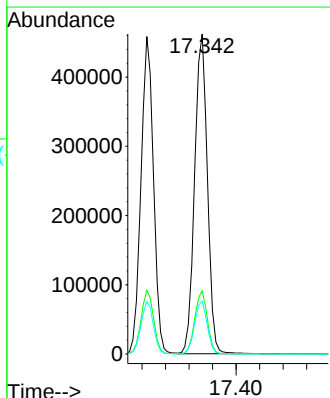
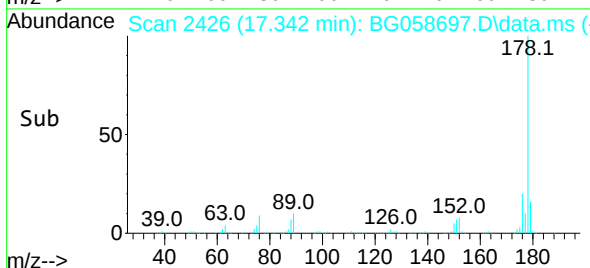
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

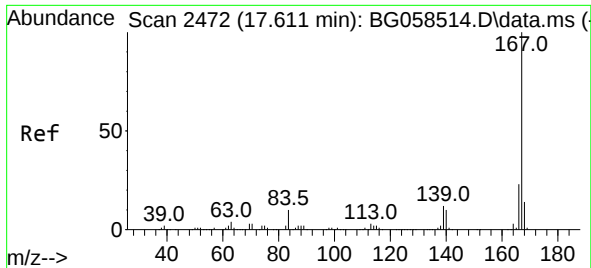


#72  
Anthracene  
Concen: 39.372 ng  
RT: 17.342 min Scan# 2426  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



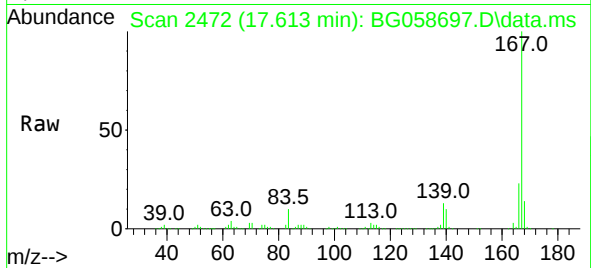
Tgt Ion:178 Resp: 695773  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.0 24.0  
179 16.5 12.9 19.3





#73  
 Carbazole  
 Concen: 42.684 ng  
 RT: 17.613 min Scan# 2472  
 Delta R.T. 0.001 min  
 Lab File: BG058697.D  
 Acq: 11 Aug 2023 10:25

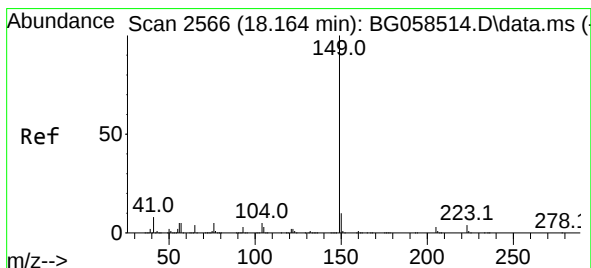
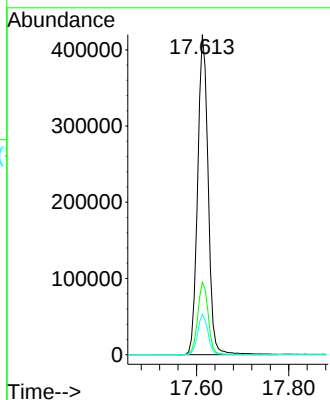
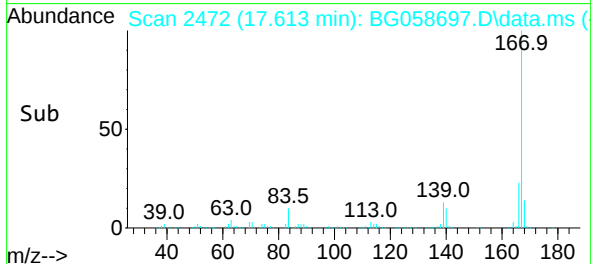
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154742BS



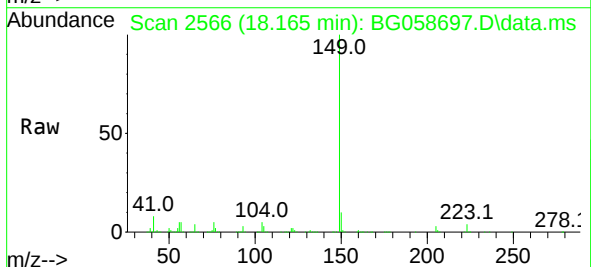
Tgt Ion:167 Resp: 665174  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 18.4 27.6  
 139 12.6 10.0 15.0

Manual Integrations  
 APPROVED

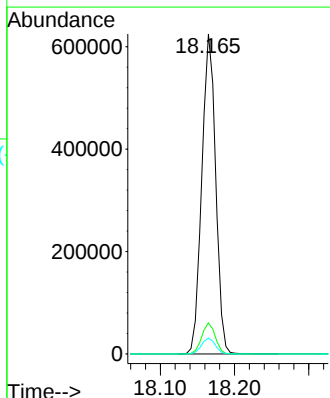
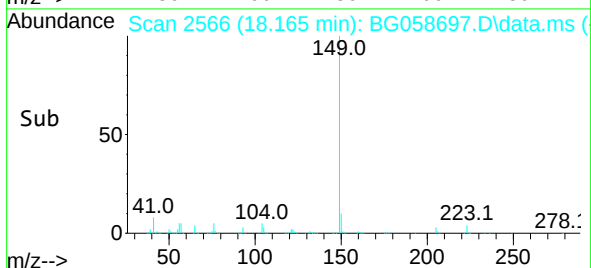
Reviewed By :Yogesh Patel 08/11/2023  
 Supervised By :mohammad ahmed 08/12/2023

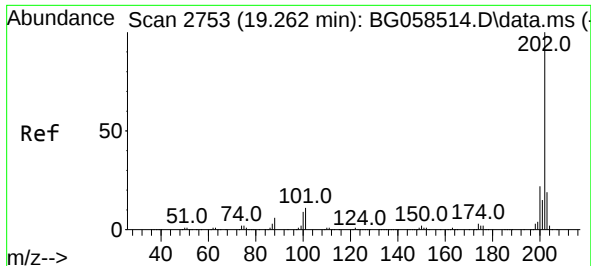


#74  
 Di-n-butylphthalate  
 Concen: 41.598 ng  
 RT: 18.165 min Scan# 2566  
 Delta R.T. 0.001 min  
 Lab File: BG058697.D  
 Acq: 11 Aug 2023 10:25



Tgt Ion:149 Resp: 811956  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.8 11.6  
 104 5.0 4.0 6.0





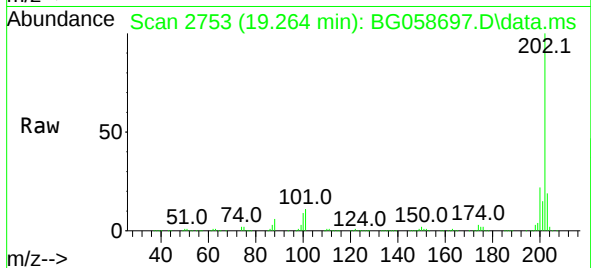
#75  
Fluoranthene  
Concen: 41.414 ng  
RT: 19.264 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

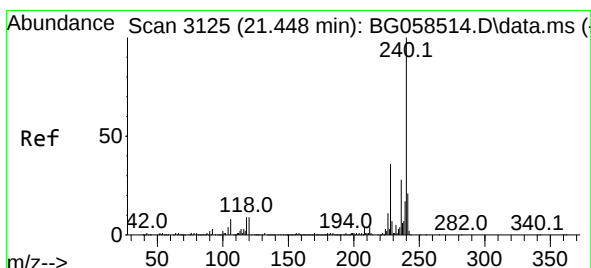
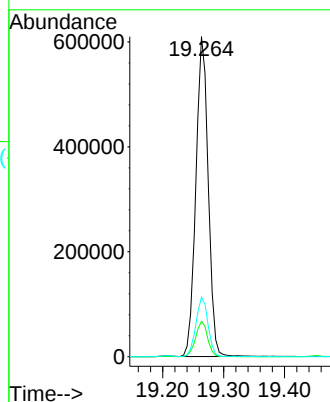
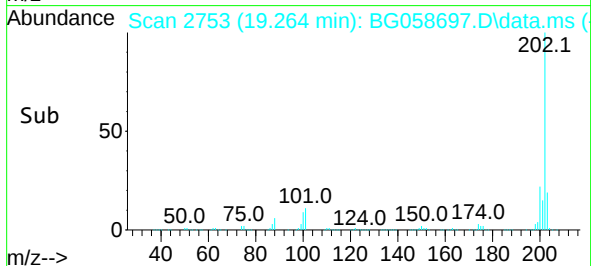


Tgt Ion:202 Resp: 85678  
Ion Ratio Lower Upper  
202 100  
101 11.1 0.0 31.4  
203 18.6 0.0 39.0

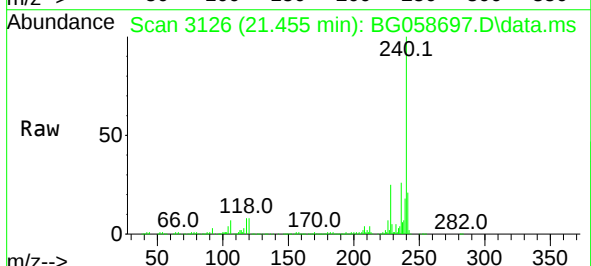
Manual Integrations

APPROVED

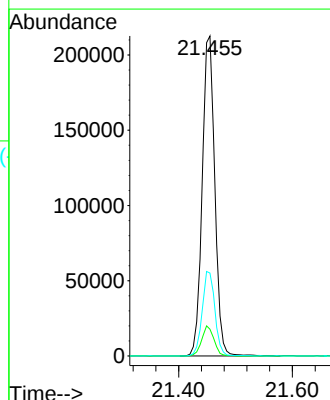
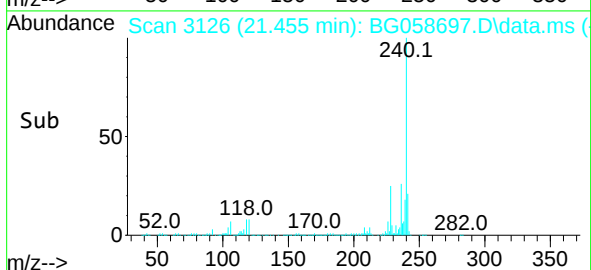
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

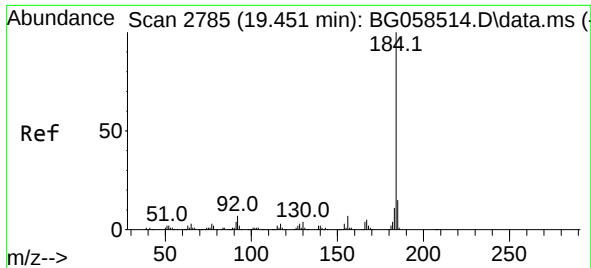


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.455 min Scan# 3126  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



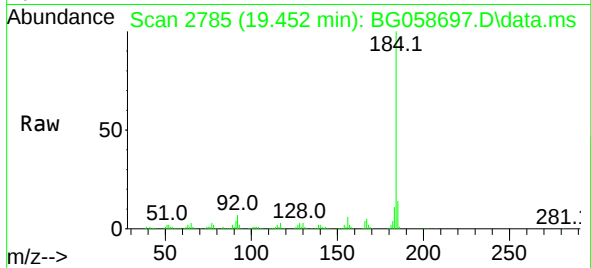
Tgt Ion:240 Resp: 326747  
Ion Ratio Lower Upper  
240 100  
120 8.4 7.4 11.0  
236 25.9 22.2 33.4





#77  
Benzidine  
Concen: 71.849 ng  
RT: 19.452 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

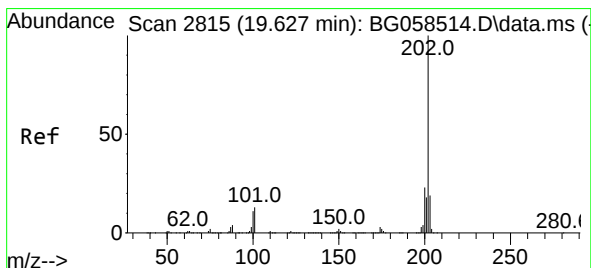
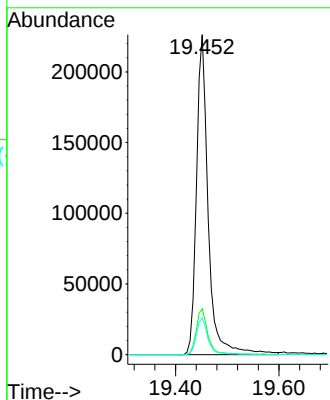
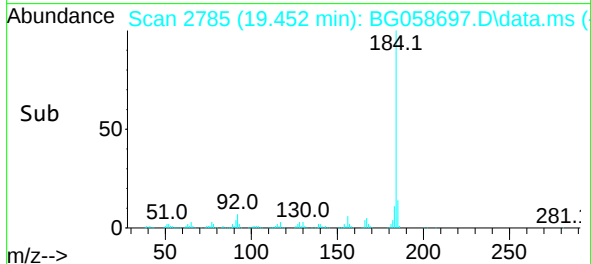
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



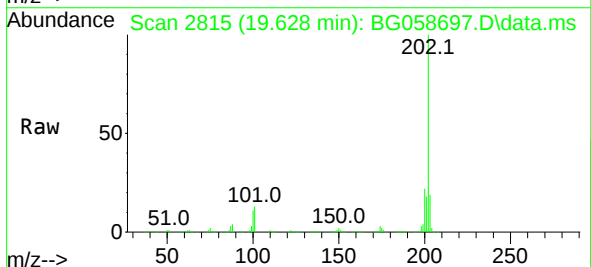
Tgt Ion:184 Resp: 355999  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.9 17.9  
183 11.5 8.7 13.1

Manual Integrations  
APPROVED

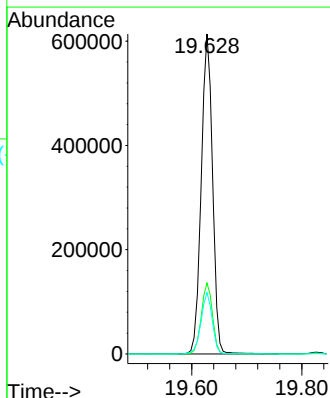
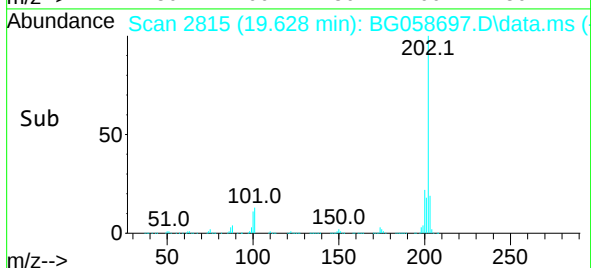
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

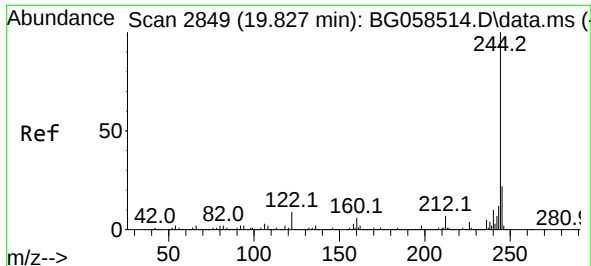


#78  
Pyrene  
Concen: 39.432 ng  
RT: 19.628 min Scan# 2815  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:202 Resp: 876859  
Ion Ratio Lower Upper  
202 100  
200 22.2 18.2 27.2  
203 19.1 15.1 22.7





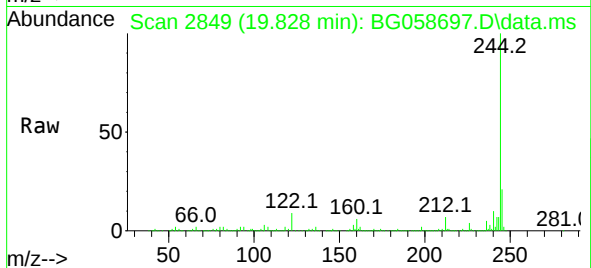
#79  
 Terphenyl-d14  
 Concen: 78.176 ng  
 RT: 19.828 min Scan# 2849  
 Delta R.T. 0.001 min  
 Lab File: BG058697.D  
 Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

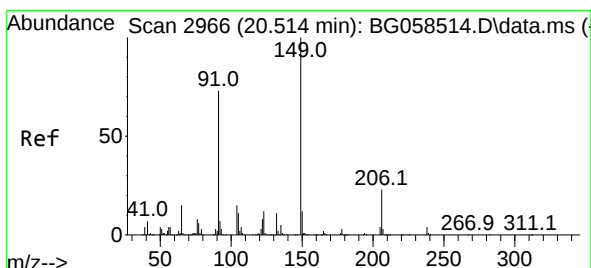
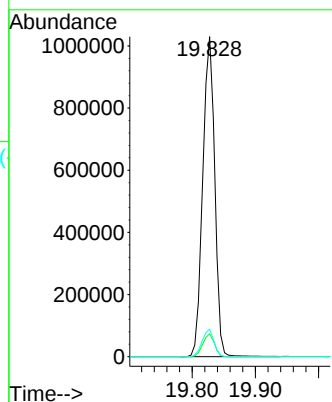
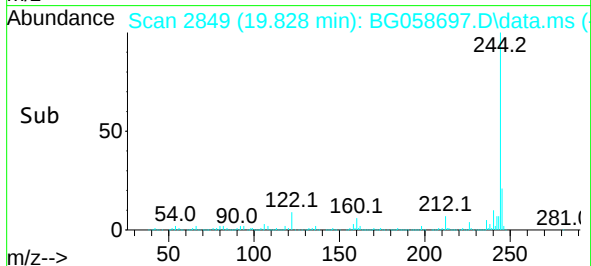


Tgt Ion:244 Resp: 1358334  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.9 8.9  
 122 8.6 6.8 10.2

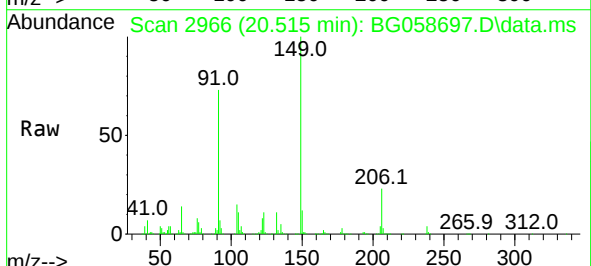
Manual Integrations

APPROVED

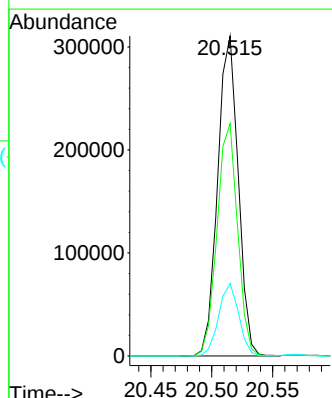
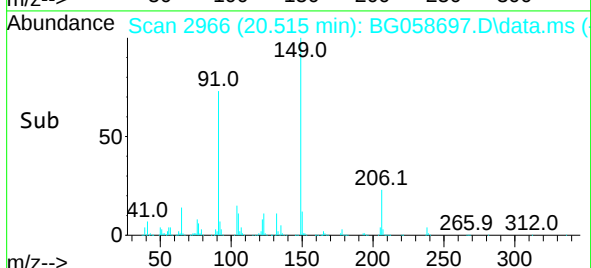
Reviewed By :Yogesh Patel 08/11/2023  
 Supervised By :mohammad ahmed 08/12/2023

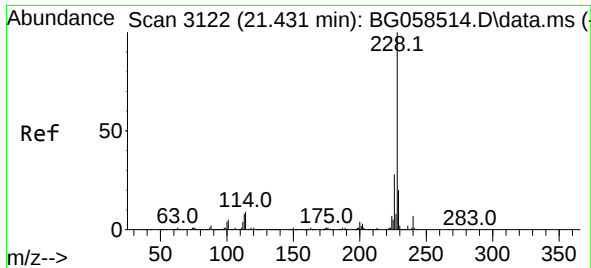


#80  
 Butylbenzylphthalate  
 Concen: 39.977 ng  
 RT: 20.515 min Scan# 2966  
 Delta R.T. 0.001 min  
 Lab File: BG058697.D  
 Acq: 11 Aug 2023 10:25



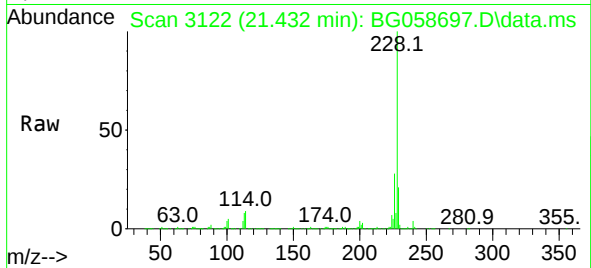
Tgt Ion:149 Resp: 365156  
 Ion Ratio Lower Upper  
 149 100  
 91 72.6 58.4 87.6  
 206 22.7 18.3 27.5





#81  
Benzo(a)anthracene  
Concen: 40.418 ng  
RT: 21.432 min Scan# 3122  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

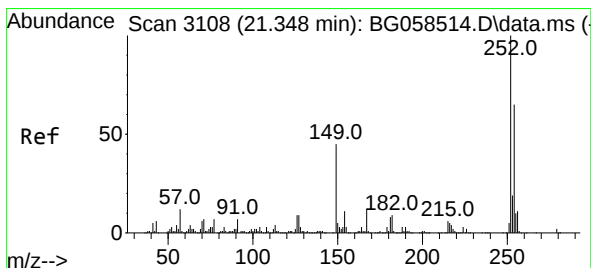
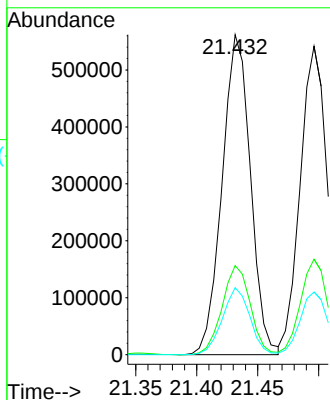
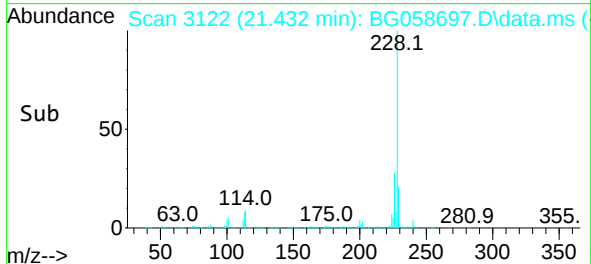
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



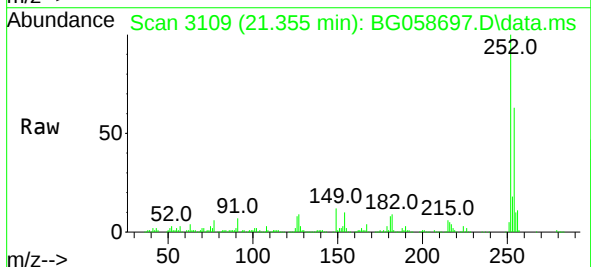
Tgt Ion:228 Resp: 908860  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.6 33.8  
229 21.0 16.3 24.5

Manual Integrations  
APPROVED

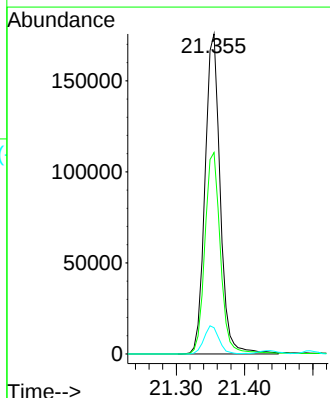
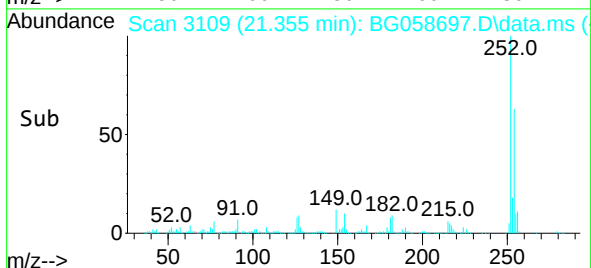
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

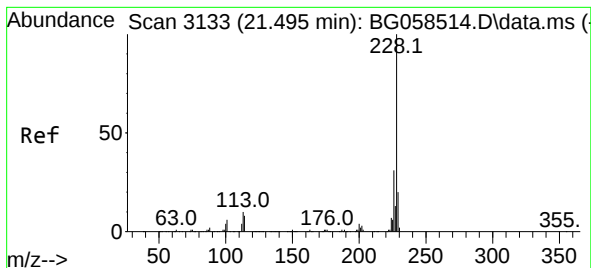


#82  
3,3'-Dichlorobenzidine  
Concen: 35.780 ng  
RT: 21.355 min Scan# 3109  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:252 Resp: 272027  
Ion Ratio Lower Upper  
252 100  
254 62.9 52.2 78.4  
126 8.2 7.2 10.8





#83

Chrysene

Concen: 39.135 ng

RT: 21.496 min Scan# 3133

Delta R.T. 0.001 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

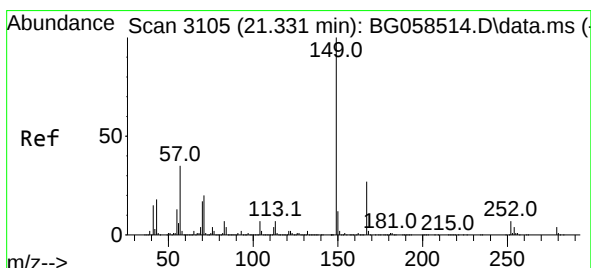
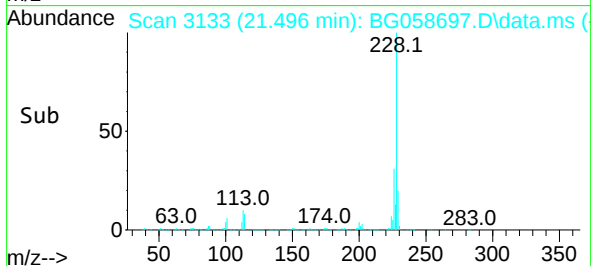
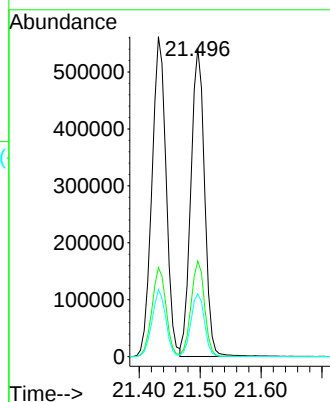
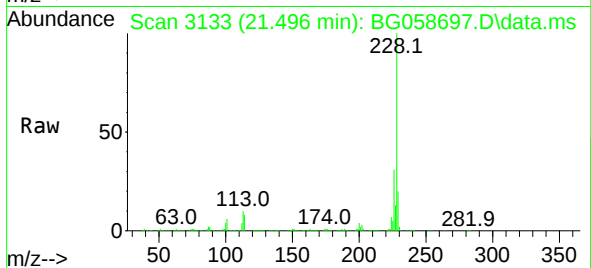
PB154742BS

Tgt Ion:228 Resp: 84374  
 Ion Ratio Lower Upper  
 228 100  
 226 30.9 25.0 37.6  
 229 20.3 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023  
 Supervised By :mohammad ahmed 08/12/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.742 ng

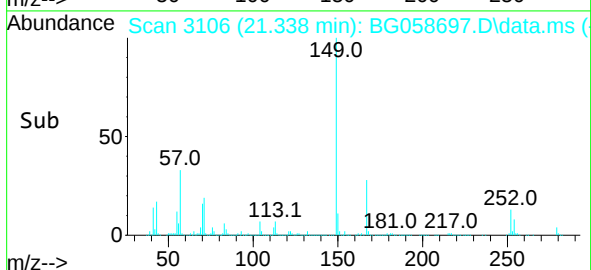
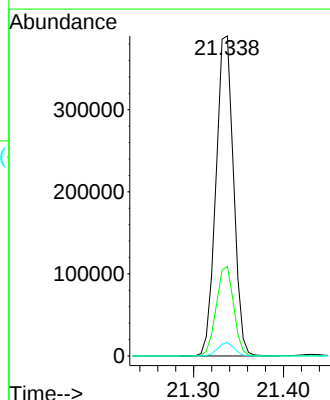
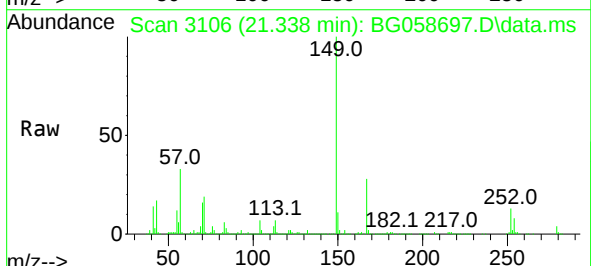
RT: 21.338 min Scan# 3106

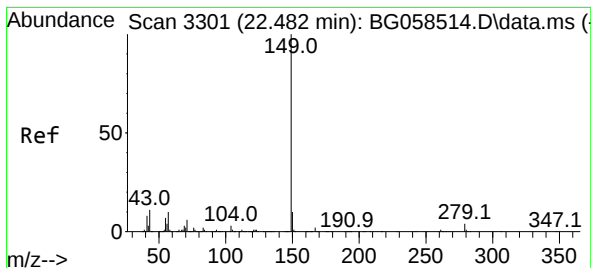
Delta R.T. 0.007 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

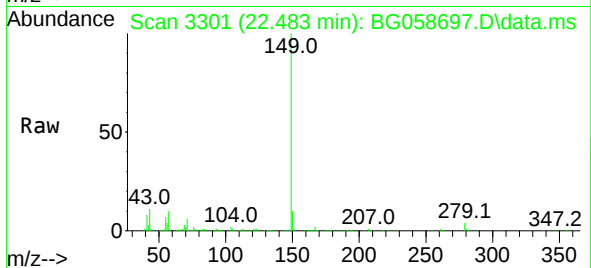
Tgt Ion:149 Resp: 530466  
 Ion Ratio Lower Upper  
 149 100  
 167 28.0 21.8 32.8  
 279 4.2 2.9 4.3





#85  
Di-n-octyl phthalate  
Concen: 39.849 ng  
RT: 22.483 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

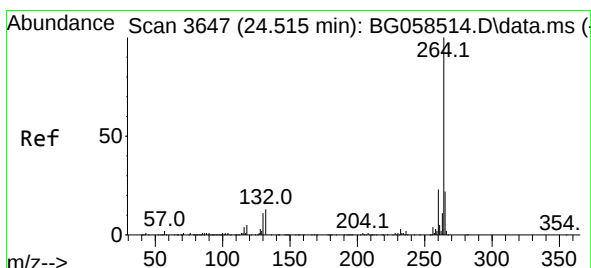
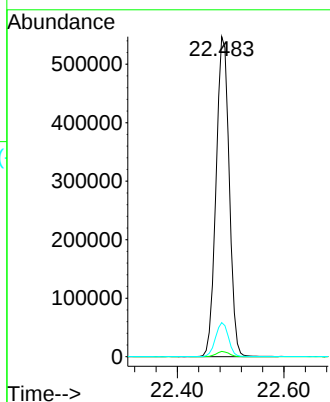
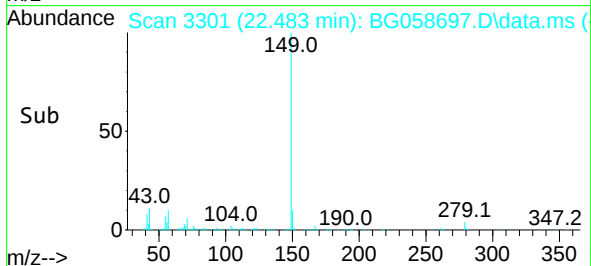
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



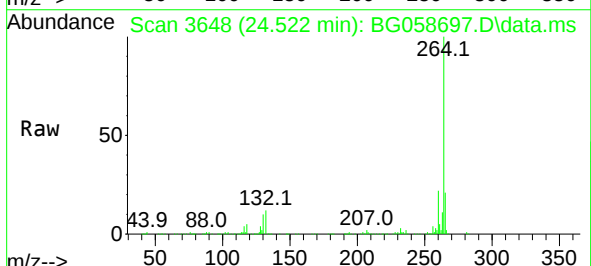
Tgt Ion:149 Resp: 935134  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.4 8.2 12.2

Manual Integrations  
APPROVED

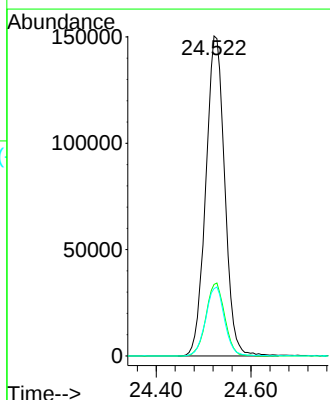
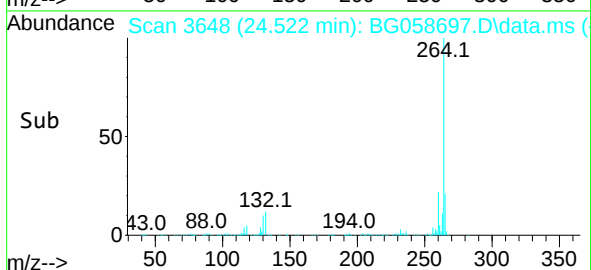
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

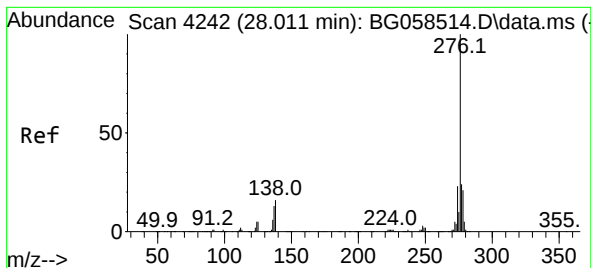


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.522 min Scan# 3648  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:264 Resp: 416380  
Ion Ratio Lower Upper  
264 100  
260 22.4 18.4 27.6  
265 21.0 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.252 ng

RT: 28.030 min Scan# 41

Delta R.T. 0.019 min

Lab File: BG058697.D

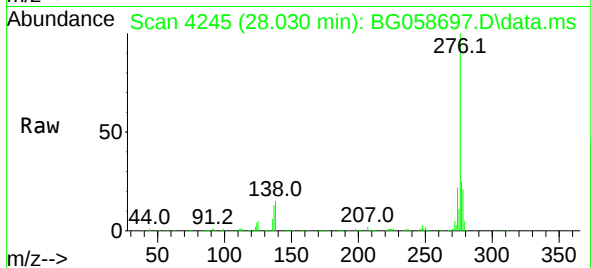
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS



Tgt Ion:276 Resp: 114270

Ion Ratio Lower Upper

276 100

138 19.4 16.0 24.0

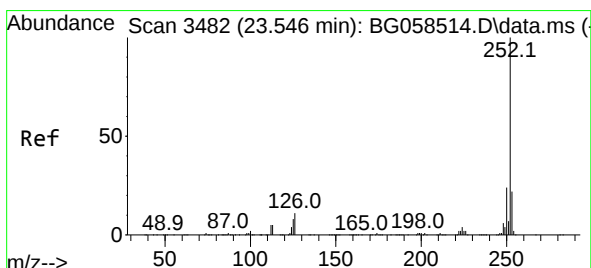
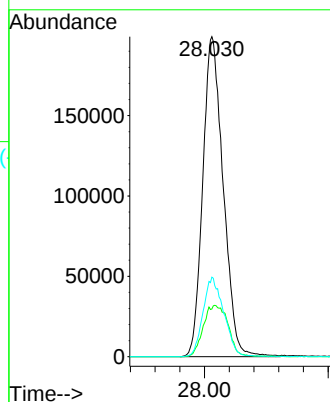
277 25.3 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/12/2023



#88

Benzo(b)fluoranthene

Concen: 41.973 ng

RT: 23.553 min Scan# 3483

Delta R.T. 0.007 min

Lab File: BG058697.D

Acq: 11 Aug 2023 10:25

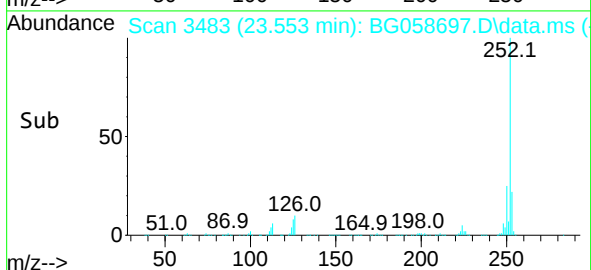
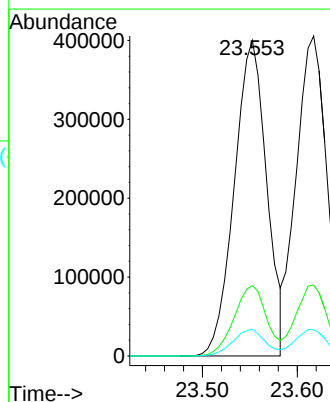
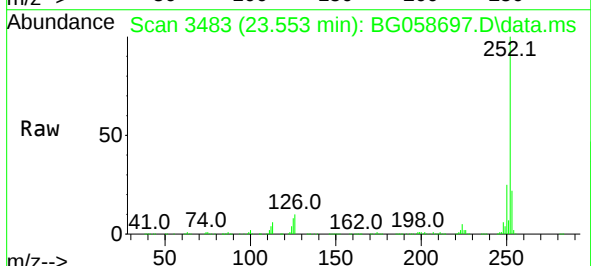
Tgt Ion:252 Resp: 947898

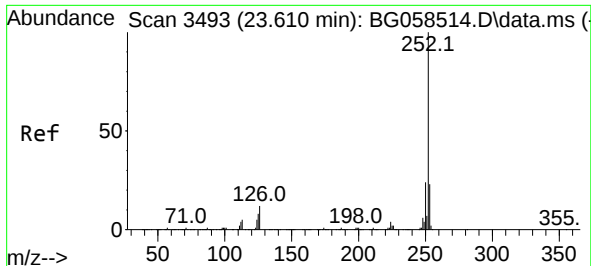
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 8.5 6.6 9.8





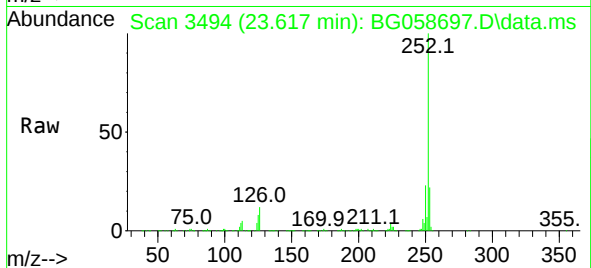
#89  
Benzo(k)fluoranthene  
Concen: 40.854 ng  
RT: 23.617 min Scan# 3494  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

Instrument :

BNA\_G

ClientSampleId :

PB154742BS

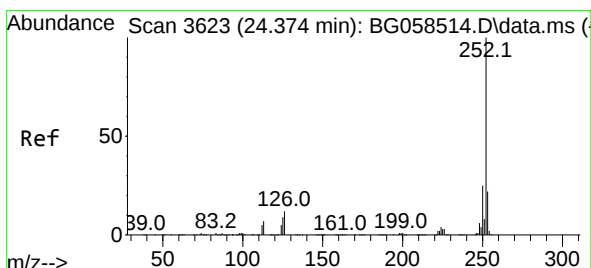
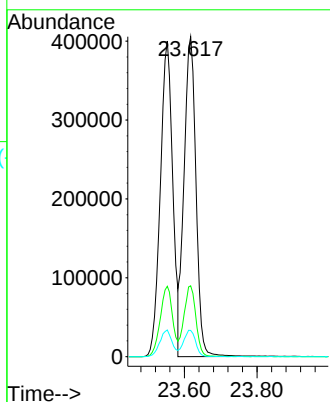
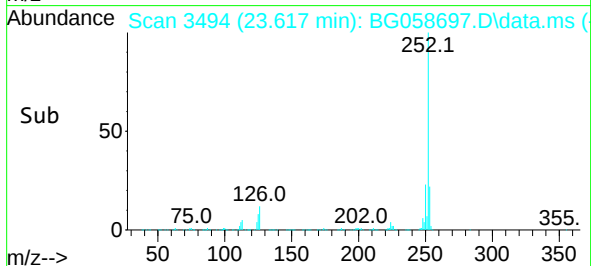


Tgt Ion:252 Resp: 92687  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.9 26.9  
125 8.2 6.6 10.0

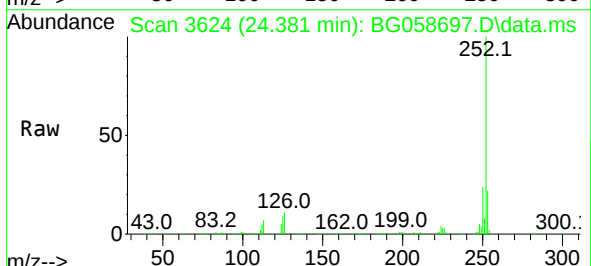
Manual Integrations

APPROVED

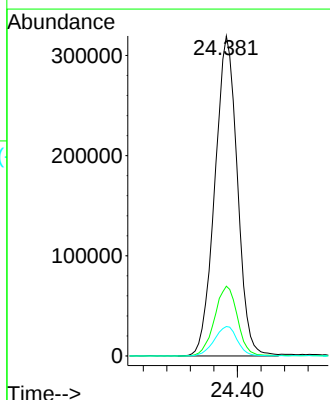
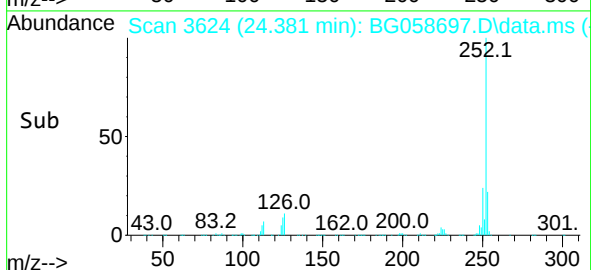
Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023

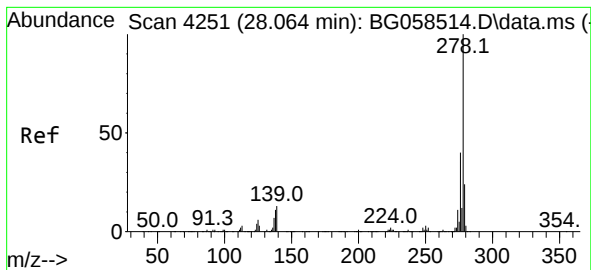


#90  
Benzo(a)pyrene  
Concen: 38.201 ng  
RT: 24.381 min Scan# 3624  
Delta R.T. 0.007 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



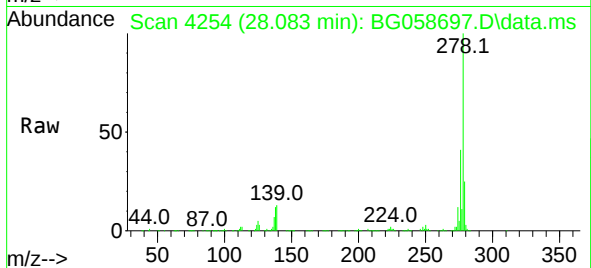
Tgt Ion:252 Resp: 847236  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 9.2 7.4 11.2





#91  
Dibenzo(a,h)anthracene  
Concen: 41.364 ng  
RT: 28.083 min Scan# 41  
Delta R.T. 0.019 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25

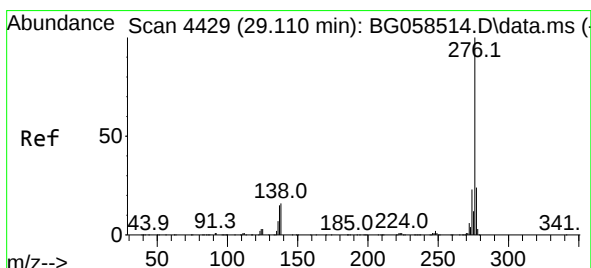
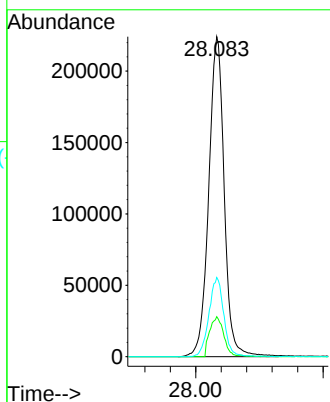
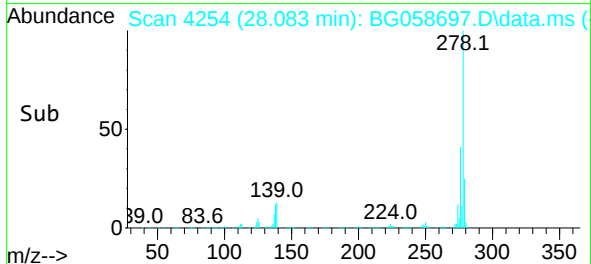
Instrument :  
BNA\_G  
ClientSampleId :  
PB154742BS



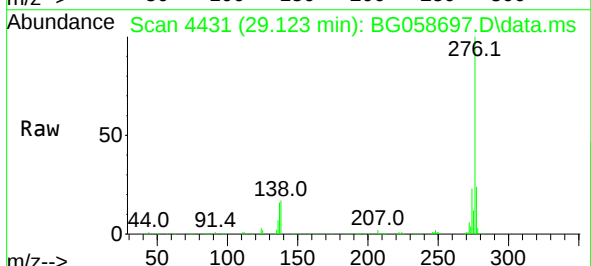
Tgt Ion:278 Resp: 94742  
Ion Ratio Lower Upper  
278 100  
139 12.5 10.4 15.6  
279 24.8 19.0 28.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/11/2023  
Supervised By :mohammad ahmed 08/12/2023



#92  
Benzo(g,h,i)perylene  
Concen: 39.992 ng  
RT: 29.123 min Scan# 4431  
Delta R.T. 0.013 min  
Lab File: BG058697.D  
Acq: 11 Aug 2023 10:25



Tgt Ion:276 Resp: 918522  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.9 28.3  
138 16.9 13.0 19.4

