

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121523\  
 Data File : BG060051.D  
 Acq On : 16 Dec 2023 1:59  
 Operator : MA/JU  
 Sample : 05791-04MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-P-2MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023

Quant Time: Dec 16 03:18:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 01:47:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.954  | 152  | 72943    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.763 | 136  | 283802   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.594 | 164  | 236203   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.343 | 188  | 687106   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.615 | 240  | 814595   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 24.799 | 264  | 935763   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 503154   | 118.082 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.120  | 99   | 635266   | 105.986 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 9.118  | 82   | 506458   | 81.033  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.086 | 330  | 674094   | 122.460 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.219 | 172  | 1520445  | 78.783  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.964 | 244  | 3715245  | 83.268  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.448  | 88   | 56372    | 27.958  | ng    | # 32     |
| 3) Pyridine                   | 3.842  | 79   | 121455   | 21.509  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.753  | 42   | 87566    | 31.527  | ng    | 83       |
| 6) Aniline                    | 7.279  | 93   | 195918   | 32.091  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.520  | 128  | 167196   | 41.407  | ng    | 94       |
| 9) Benzaldehyde               | 7.097  | 77   | 69686m   | 19.121  | ng    |          |
| 10) Phenol                    | 7.144  | 94   | 227585   | 37.797  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.379  | 93   | 164574   | 38.179  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 7.849  | 146  | 188412   | 34.893  | ng    | 92       |
| 13) 1,4-Dichlorobenzene       | 7.990  | 146  | 193419m  | 34.424  | ng    |          |
| 14) 1,2-Dichlorobenzene       | 8.313  | 146  | 196803   | 36.406  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.195  | 79   | 205508   | 42.660  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.489  | 45   | 342808   | 44.442  | ng    | 98       |
| 17) 2-Methylphenol            | 8.395  | 107  | 170509   | 42.475  | ng    | 90       |
| 18) Hexachloroethane          | 9.041  | 117  | 65181    | 38.295  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.759  | 70   | 162666   | 42.064  | ng    | # 88     |
| 20) 3+4-Methylphenols         | 8.724  | 107  | 234249   | 41.776  | ng    | 96       |
| 22) Acetophenone              | 8.777  | 105  | 328681   | 39.742  | ng    | 97       |
| 24) Nitrobenzene              | 9.159  | 77   | 251836   | 39.689  | ng    | 94       |
| 25) Isophorone                | 9.682  | 82   | 478641   | 40.013  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.876  | 139  | 103232   | 44.237  | ng    | # 86     |
| 27) 2,4-Dimethylphenol        | 9.929  | 122  | 165735   | 51.813  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.169 | 93   | 235876   | 38.192  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.405 | 162  | 241921   | 42.109  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.622 | 180  | 281068   | 36.143  | ng    | 98       |
| 31) Naphthalene               | 10.810 | 128  | 581523   | 39.361  | ng    | 97       |
| 32) Benzoic acid              | 9.999  | 122  | 45831m   | 15.751  | ng    |          |
| 33) 4-Chloroaniline           | 10.916 | 127  | 101664   | 18.085  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.098 | 225  | 241234   | 33.893  | ng    | 96       |
| 35) Caprolactam               | 11.685 | 113  | 56947    | 39.020  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.038 | 107  | 232018   | 44.406  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.420 | 142  | 454138   | 39.192  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.637 | 142  | 440740   | 38.505  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.784 | 216  | 465059   | 37.767  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.766 | 237  | 567875   | 111.616 | ng    | 93       |
| 43) 2,4,6-Trichlorophenol     | 13.025 | 196  | 284162   | 41.157  | ng    | 99       |

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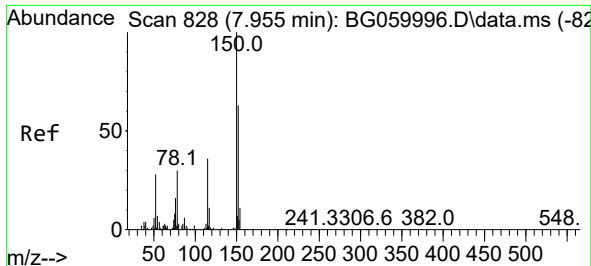
### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.095 | 196  | 308928   | 41.136 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.430 | 154  | 728688   | 41.599 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.472 | 162  | 588089   | 38.766 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.671 | 65   | 168839   | 51.557 | ng    | 88       |
| 49) Acenaphthylene            | 14.318 | 152  | 927133   | 44.678 | ng    | 98       |
| 50) Dimethylphthalate         | 14.053 | 163  | 773085   | 42.166 | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.165 | 165  | 164439   | 43.297 | ng    | 97       |
| 52) Acenaphthene              | 14.658 | 154  | 563807m  | 39.470 | ng    |          |
| 53) 3-Nitroaniline            | 14.494 | 138  | 98426    | 32.432 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.694 | 184  | 85584    | 30.585 | ng    | 94       |
| 55) Dibenzofuran              | 14.993 | 168  | 953484   | 41.010 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.799 | 139  | 206557   | 80.982 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.952 | 165  | 232652   | 43.577 | ng    | # 97     |
| 58) Fluorene                  | 15.640 | 166  | 794967   | 40.548 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.217 | 232  | 338449   | 43.294 | ng    | 99       |
| 60) Diethylphthalate          | 15.416 | 149  | 718369   | 42.584 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.634 | 204  | 554171   | 39.248 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.663 | 138  | 143664   | 43.472 | ng    | 96       |
| 63) Azobenzene                | 15.927 | 77   | 682242   | 41.019 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.716 | 198  | 96762    | 22.461 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.851 | 169  | 743444   | 44.290 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.533 | 248  | 384963   | 39.709 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.644 | 284  | 439668   | 38.795 | ng    | # 94     |
| 70) Pentachlorophenol         | 16.985 | 266  | 443445   | 60.399 | ng    | 97       |
| 71) Phenanthrene              | 17.385 | 178  | 1459467  | 43.852 | ng    | 98       |
| 72) Anthracene                | 17.473 | 178  | 1494379  | 44.658 | ng    | 99       |
| 73) Carbazole                 | 17.743 | 167  | 1249597  | 43.945 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.307 | 149  | 1217118  | 46.920 | ng    | 97       |
| 75) Fluoranthene              | 19.400 | 202  | 2034290  | 41.887 | ng    | 97       |
| 77) Benzidine                 | 19.576 | 184  | 426733   | 40.784 | ng    | 97       |
| 78) Pyrene                    | 19.764 | 202  | 2086634  | 42.257 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.657 | 149  | 467425   | 52.706 | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.591 | 228  | 2340017  | 42.765 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.509 | 252  | 655811   | 36.423 | ng    | 100      |
| 83) Chrysene                  | 21.662 | 228  | 2185225  | 42.153 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.509 | 149  | 706083   | 52.528 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.714 | 149  | 1239486  | 53.307 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.436 | 276  | 2886844  | 43.227 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.789 | 252  | 2444579  | 42.299 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.859 | 252  | 2304884  | 41.117 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.653 | 252  | 2122978  | 41.462 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.507 | 278  | 2454891  | 43.959 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.576 | 276  | 2273422  | 40.927 | ng    | 98       |

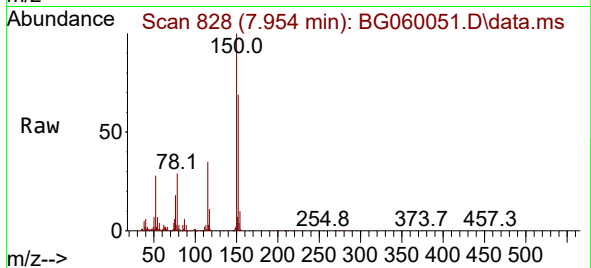
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.954 min Scan# 81  
 Delta R.T. -0.001 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

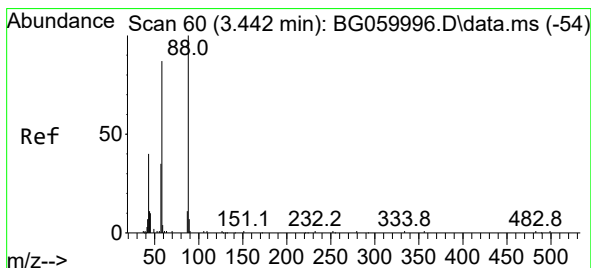
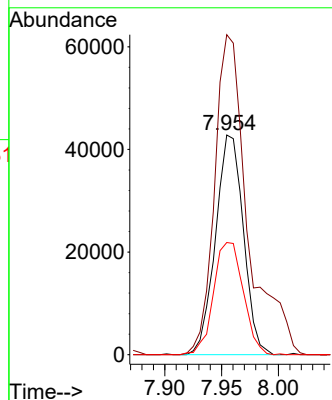
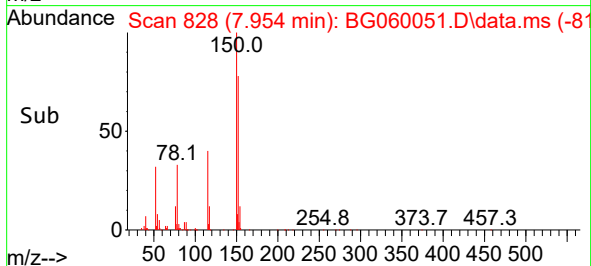
Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-P-2MSD



Tgt Ion:152 Resp: 7294  
 Ion Ratio Lower Upper  
 152 100  
 150 145.6 127.0 190.6  
 115 51.1 45.7 68.5

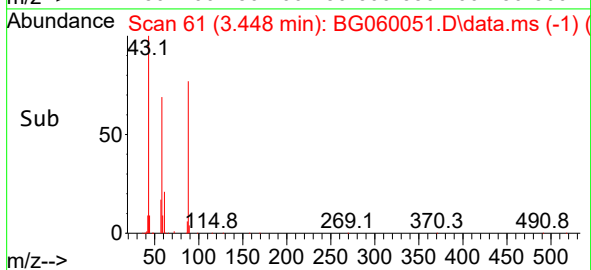
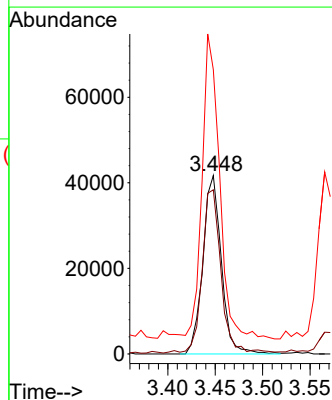
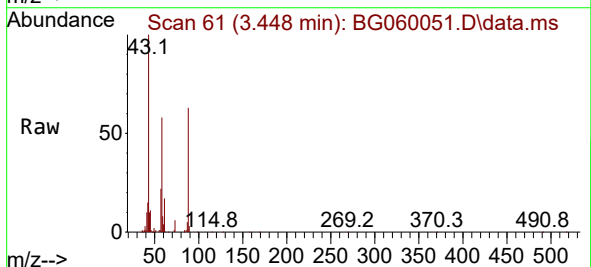
Manual Integrations  
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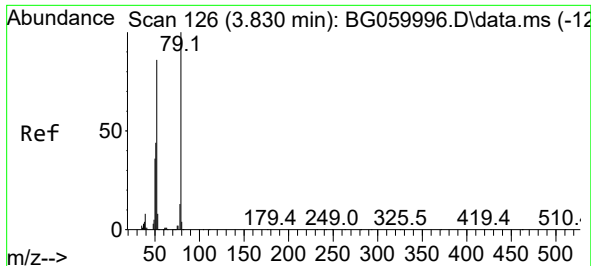
Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023



#2  
 1,4-Dioxane  
 Concen: 27.958 ng  
 RT: 3.448 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

Tgt Ion: 88 Resp: 56372  
 Ion Ratio Lower Upper  
 88 100  
 58 91.7 68.5 102.7  
 43 161.8 28.8 43.2#





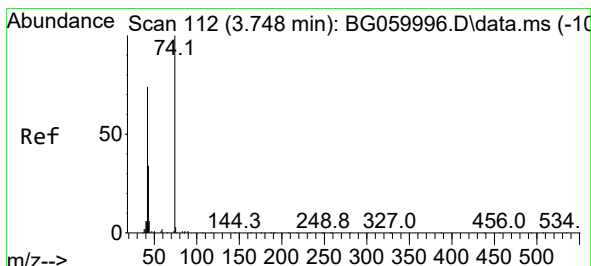
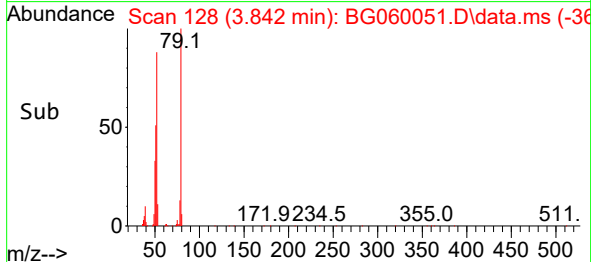
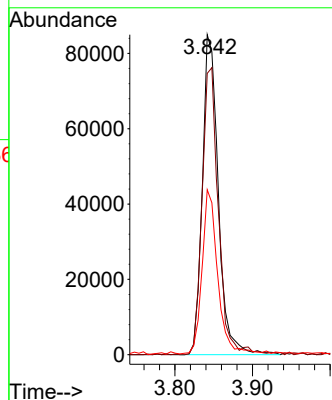
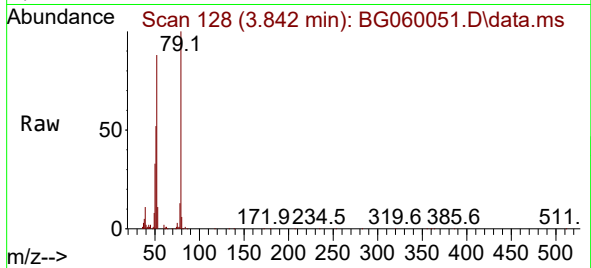
#3  
 Pyridine  
 Concen: 21.509 ng  
 RT: 3.842 min Scan# 11  
 Delta R.T. 0.011 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-P-2MSD

Tgt Ion: 79 Resp: 12145  
 Ion Ratio Lower Upper  
 79 100  
 52 87.9 68.7 103.1  
 51 51.6 41.1 61.7

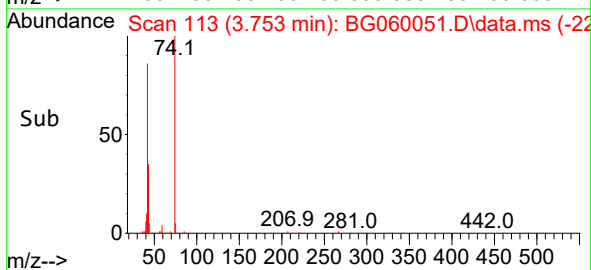
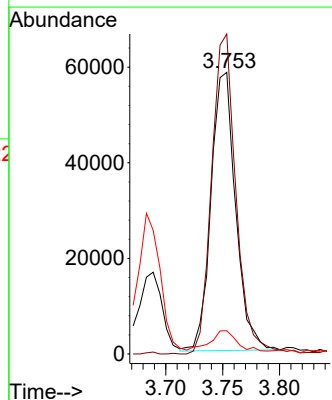
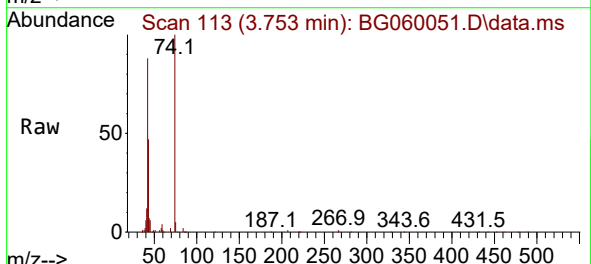
Manual Integrations  
 APPROVED

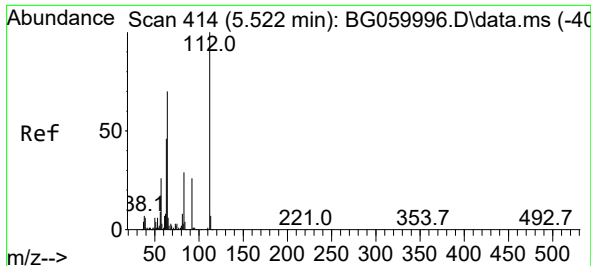
Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023



#4  
 n-Nitrosodimethylamine  
 Concen: 31.527 ng  
 RT: 3.753 min Scan# 113  
 Delta R.T. 0.006 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

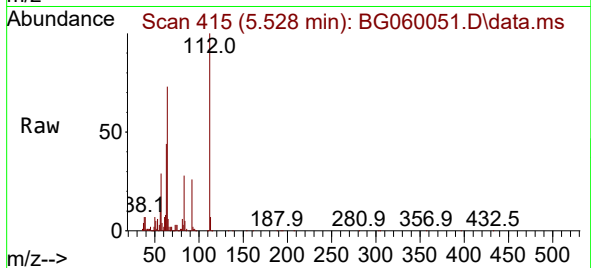
Tgt Ion: 42 Resp: 87566  
 Ion Ratio Lower Upper  
 42 100  
 74 113.7 107.4 161.2  
 44 8.2 6.0 9.0





#5  
2-Fluorophenol  
Concen: 118.082 ng  
RT: 5.528 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

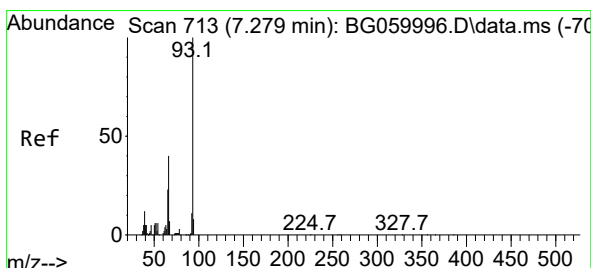
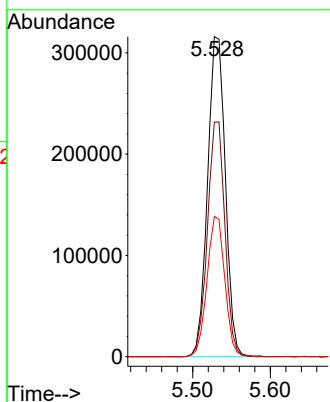
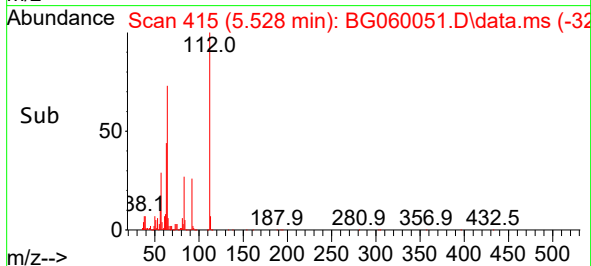
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



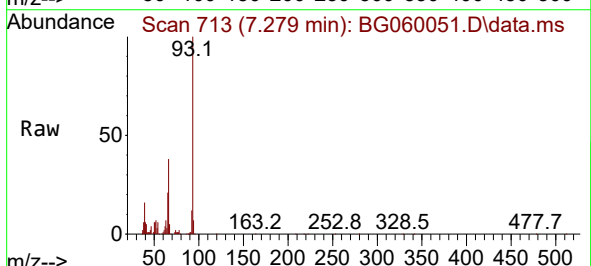
Tgt Ion:112 Resp: 503154  
Ion Ratio Lower Upper  
112 100  
64 73.3 55.9 83.9  
63 43.8 36.5 54.7

Manual Integrations  
APPROVED

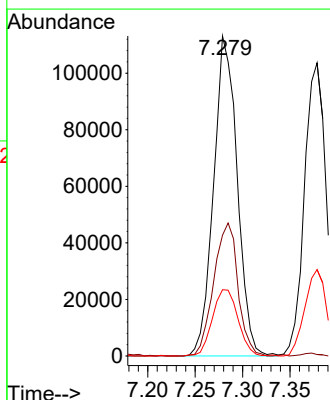
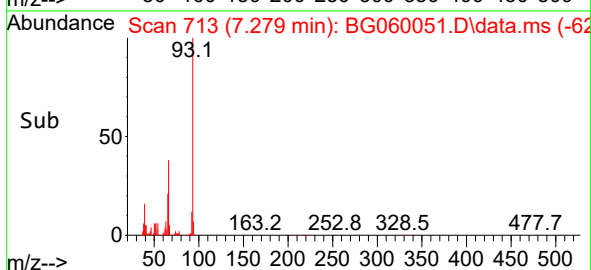
Reviewed By :Yogesh Patel 12/18/2023  
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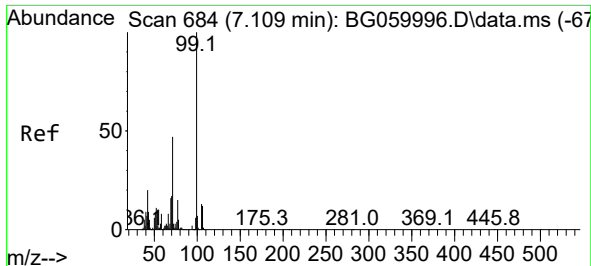


#6  
Aniline  
Concen: 32.091 ng  
RT: 7.279 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion: 93 Resp: 195918  
Ion Ratio Lower Upper  
93 100  
66 37.7 31.8 47.8  
65 20.7 18.6 28.0





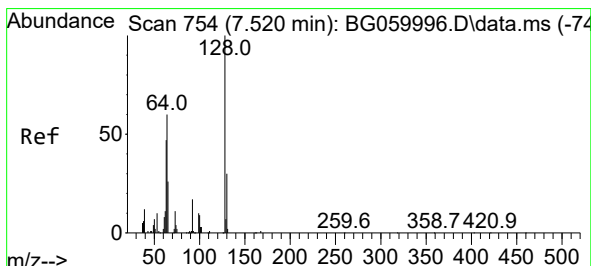
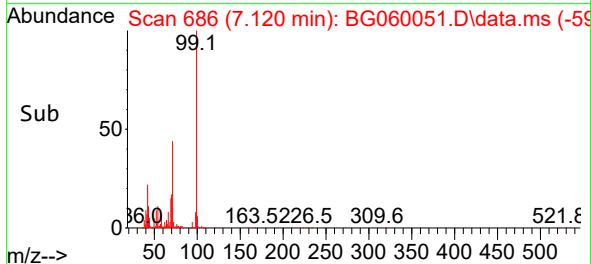
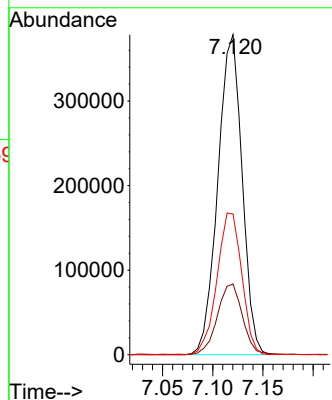
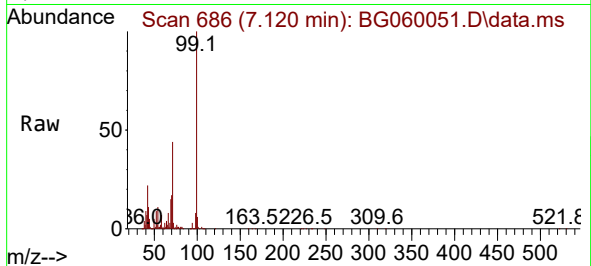
#7  
Phenol-d6  
Concen: 105.986 ng  
RT: 7.120 min Scan# 684  
Delta R.T. 0.011 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion: 99 Resp: 635260  
Ion Ratio Lower Upper  
99 100  
42 22.1 16.2 24.4  
71 44.0 37.6 56.4

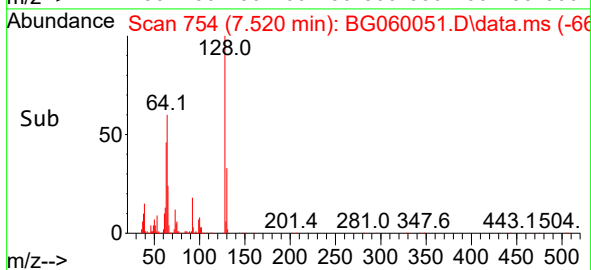
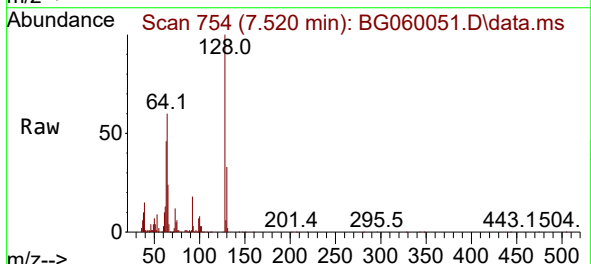
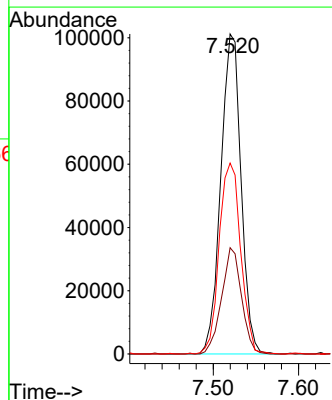
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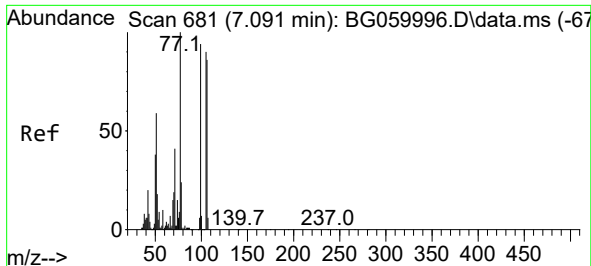
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#8  
2-Chlorophenol  
Concen: 41.407 ng  
RT: 7.520 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Tgt Ion:128 Resp: 167196  
Ion Ratio Lower Upper  
128 100  
130 33.2 10.3 50.3  
64 59.7 44.2 84.2





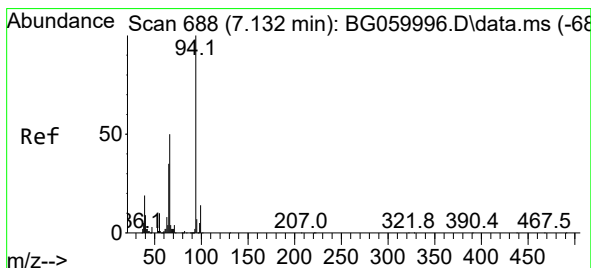
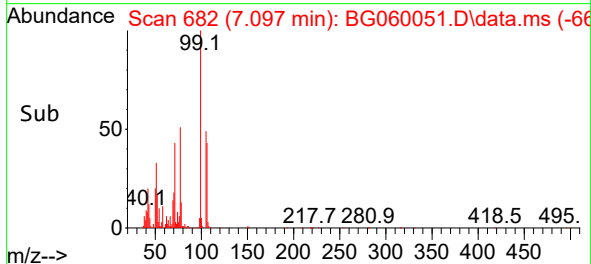
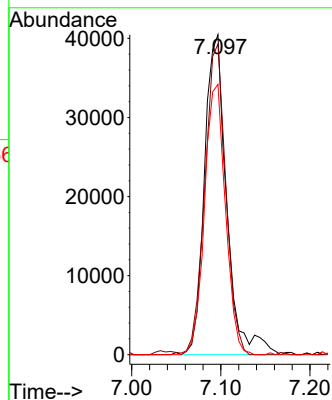
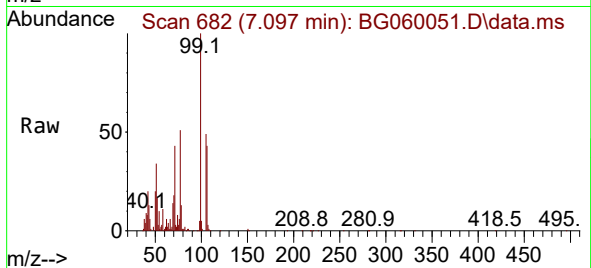
#9  
Benzaldehyde  
Concen: 19.121 ng m  
RT: 7.097 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion: 77 Resp: 69680  
Ion Ratio Lower Upper  
77 100  
105 97.1 70.5 110.5  
106 84.4 66.0 106.0

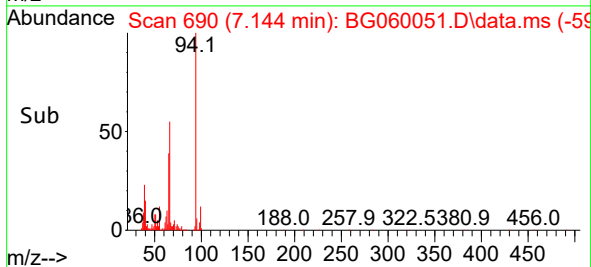
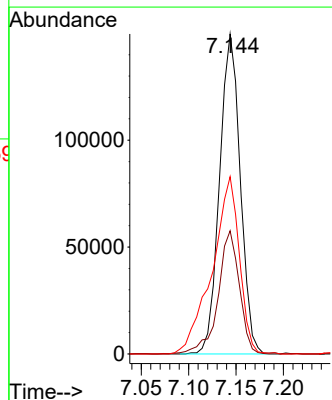
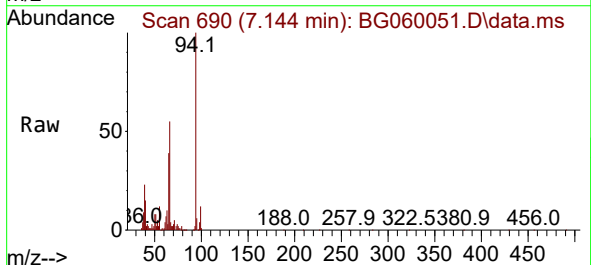
Manual Integrations  
APPROVED

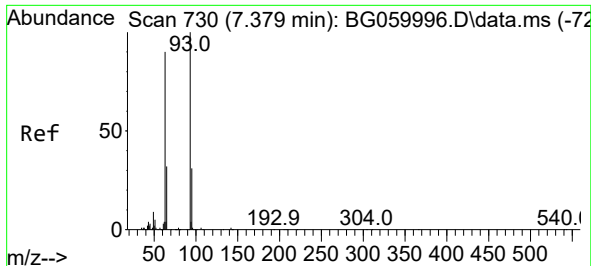
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#10  
Phenol  
Concen: 37.797 ng  
RT: 7.144 min Scan# 690  
Delta R.T. 0.011 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

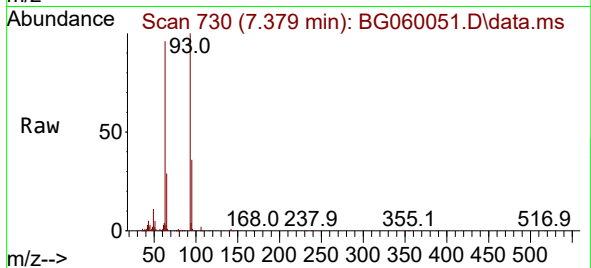
Tgt Ion: 94 Resp: 227585  
Ion Ratio Lower Upper  
94 100  
65 38.5 15.5 55.5  
66 55.4 31.6 71.6





#11  
bis(2-Chloroethyl)ether  
Concen: 38.179 ng  
RT: 7.379 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

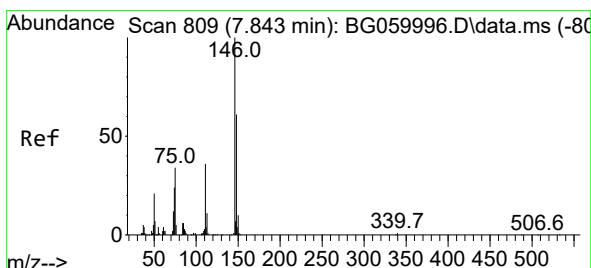
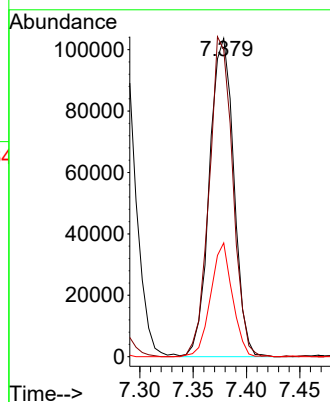
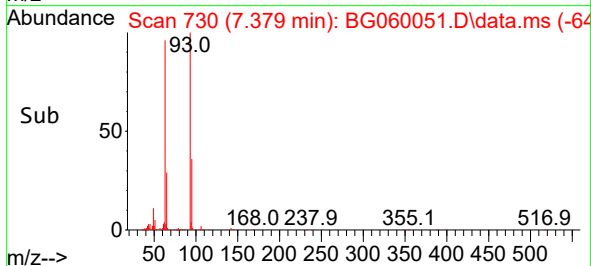
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



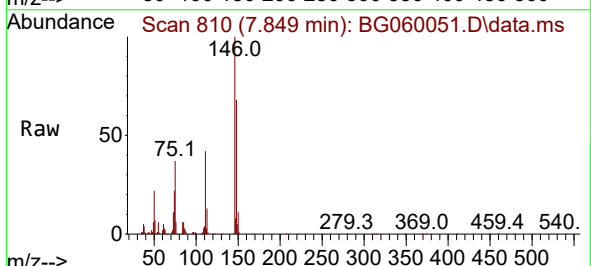
Tgt Ion: 93 Resp: 164574  
Ion Ratio Lower Upper  
93 100  
63 96.4 69.8 109.8  
95 35.8 10.7 50.7

Manual Integrations  
APPROVED

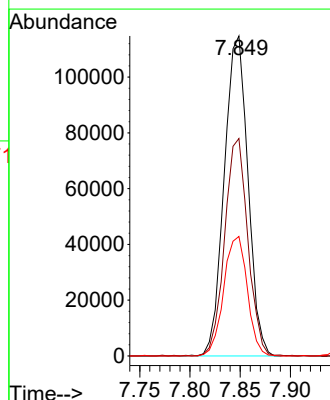
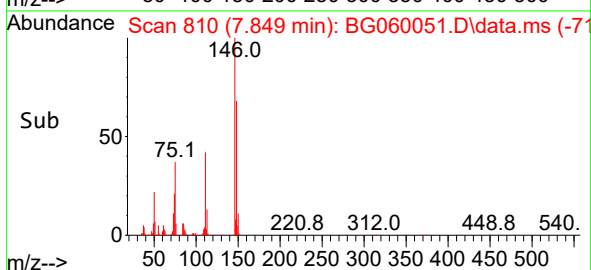
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

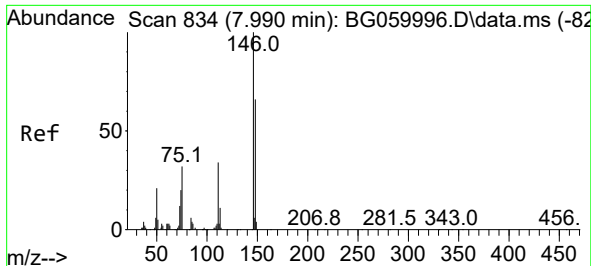


#12  
1,3-Dichlorobenzene  
Concen: 34.893 ng  
RT: 7.849 min Scan# 810  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



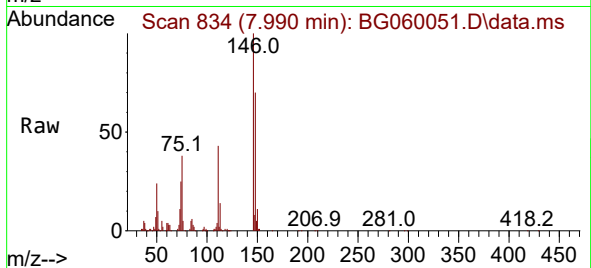
Tgt Ion:146 Resp: 188412  
Ion Ratio Lower Upper  
146 100  
148 68.0 49.1 73.7  
75 37.4 27.0 40.6





#13  
1,4-Dichlorobenzene  
Concen: 34.424 ng m  
RT: 7.990 min Scan# 834  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

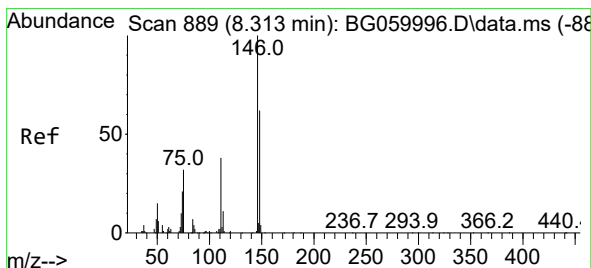
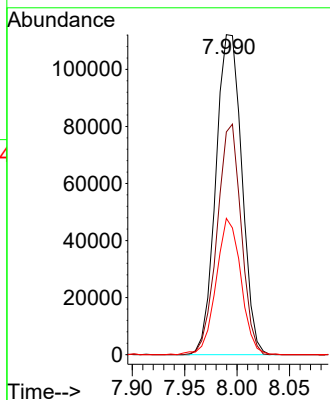
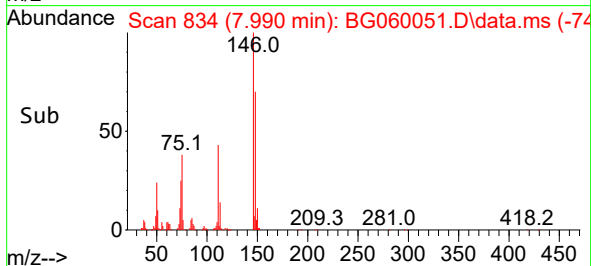
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



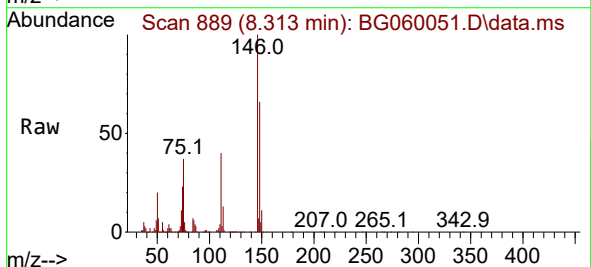
Tgt Ion:146 Resp: 193419  
Ion Ratio Lower Upper  
146 100  
148 69.6 52.9 79.3  
111 42.6 27.6 41.4

Manual Integrations  
APPROVED

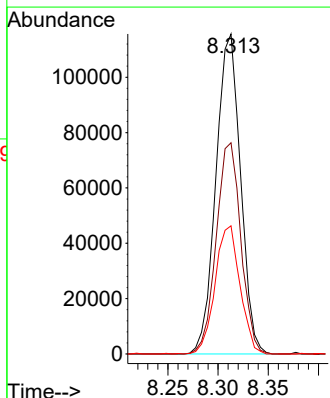
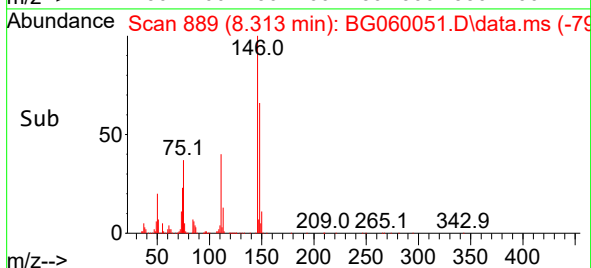
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

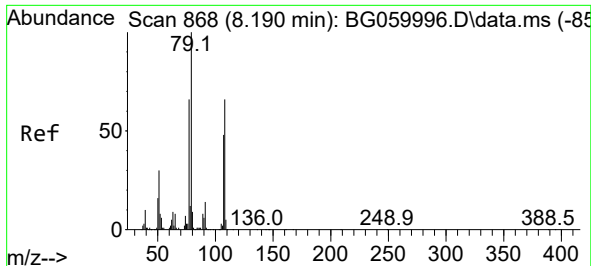


#14  
1,2-Dichlorobenzene  
Concen: 36.406 ng  
RT: 8.313 min Scan# 889  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



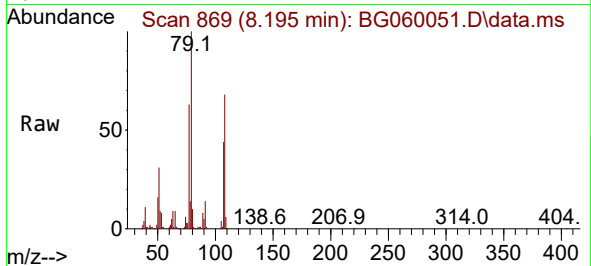
Tgt Ion:146 Resp: 196803  
Ion Ratio Lower Upper  
146 100  
148 66.0 49.7 74.5  
111 40.1 30.9 46.3





#15  
Benzyl Alcohol  
Concen: 42.660 ng  
RT: 8.195 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

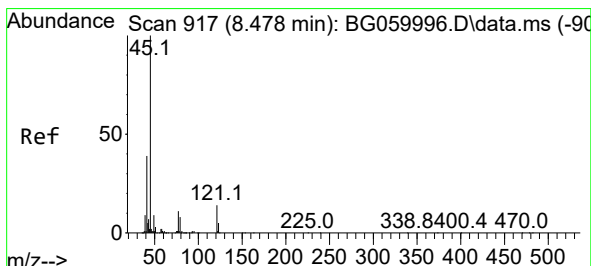
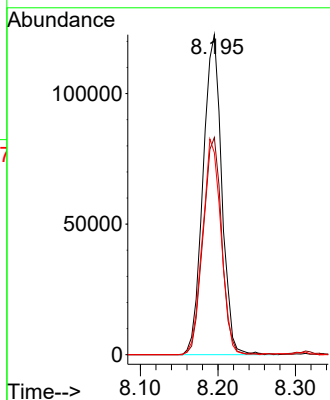
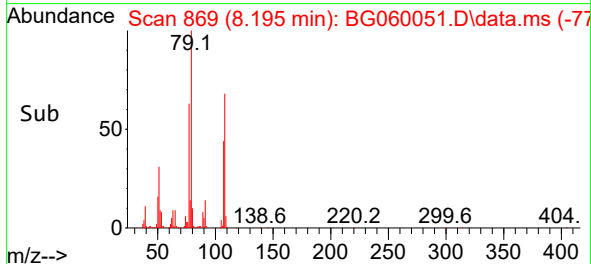
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



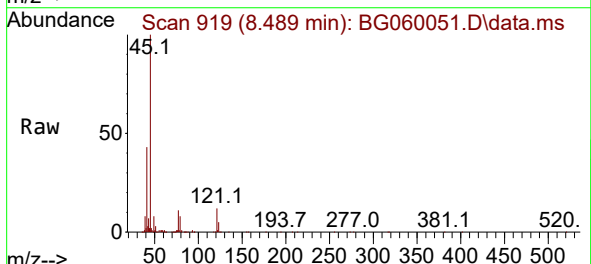
Tgt Ion: 79 Resp: 205508  
Ion Ratio Lower Upper  
79 100  
108 67.9 53.1 79.7  
77 63.1 52.8 79.2

Manual Integrations  
APPROVED

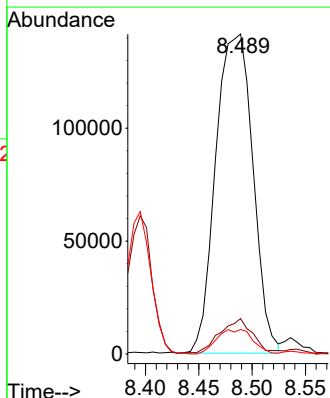
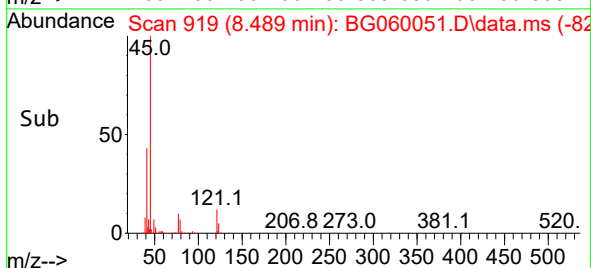
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

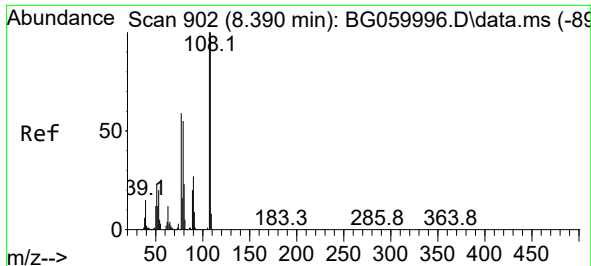


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.442 ng  
RT: 8.489 min Scan# 919  
Delta R.T. 0.011 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion: 45 Resp: 342808  
Ion Ratio Lower Upper  
45 100  
77 11.1 0.0 31.7  
79 7.6 0.0 28.7





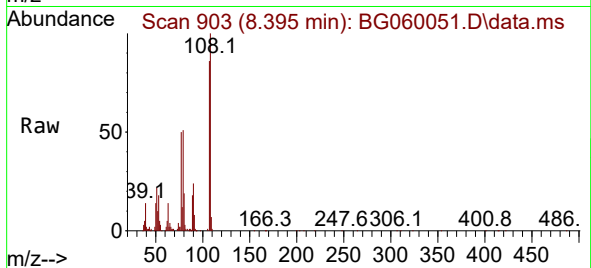
#17  
2-Methylphenol  
Concen: 42.475 ng  
RT: 8.395 min Scan# 902  
Delta R.T. 0.005 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD



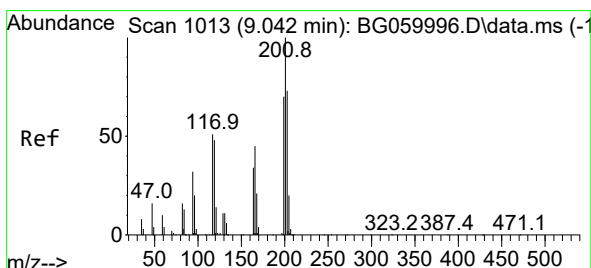
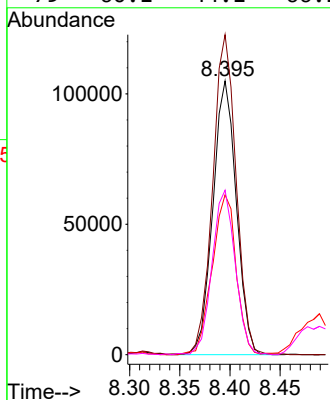
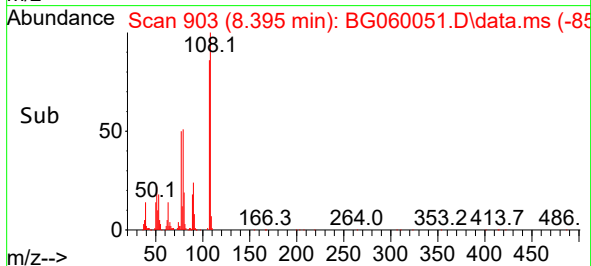
Tgt Ion:107 Resp: 170509  
Ion Ratio Lower Upper  
107 100  
108 116.9 80.7 121.1  
77 58.4 47.8 71.6  
79 60.1 44.1 66.1

Manual Integrations

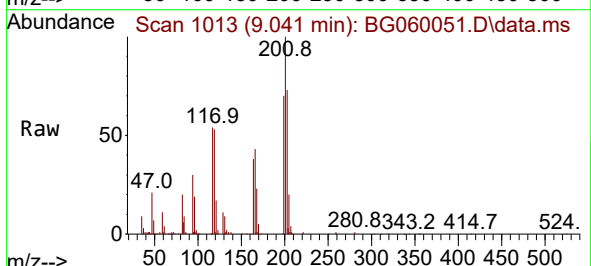
APPROVED

Reviewed By :Yogesh Patel 12/18/2023

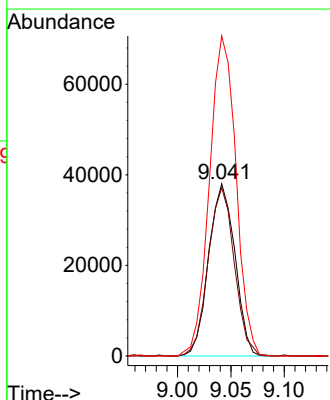
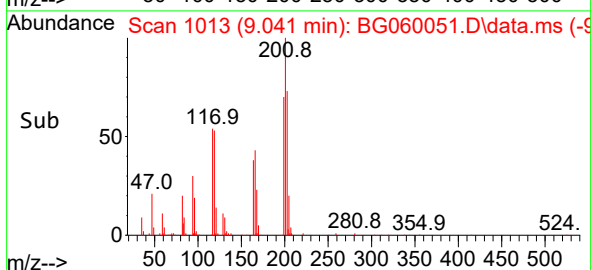
Supervised By :mohammad ahmed 12/18/2023

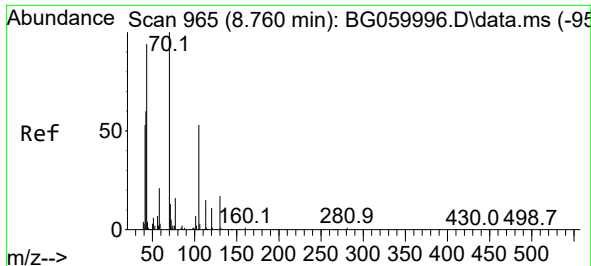


#18  
Hexachloroethane  
Concen: 38.295 ng  
RT: 9.041 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



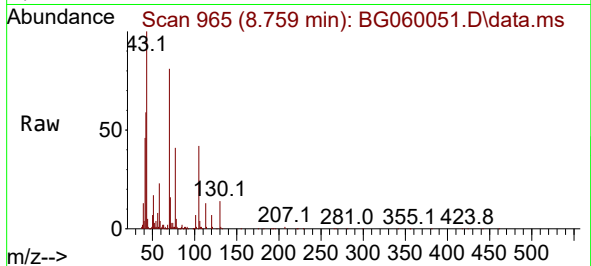
Tgt Ion:117 Resp: 65181  
Ion Ratio Lower Upper  
117 100  
119 97.7 74.5 111.7  
201 185.9 156.5 234.7





#19  
n-Nitroso-di-n-propylamine  
Concen: 42.064 ng  
RT: 8.759 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

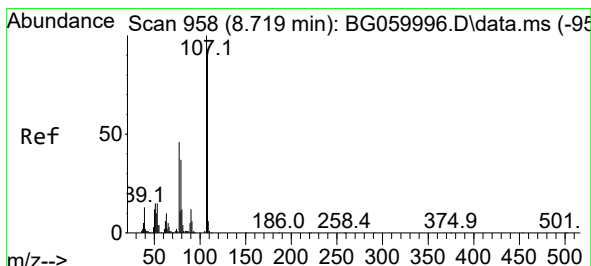
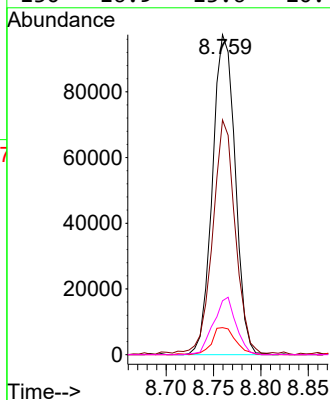
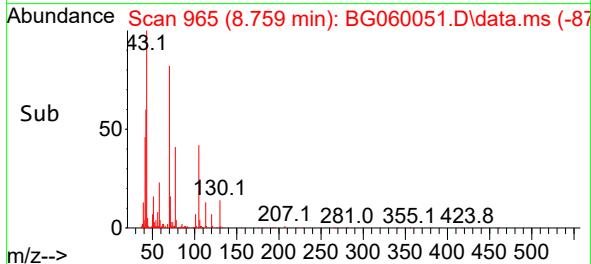
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



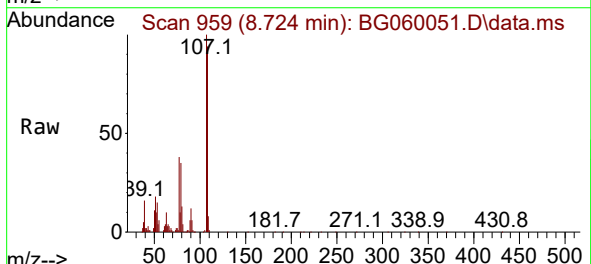
Tgt Ion: 70 Resp: 162660  
Ion Ratio Lower Upper  
70 100  
42 73.4 48.6 73.0  
101 8.5 5.7 8.5  
130 16.9 13.6 20.4

Manual Integrations  
APPROVED

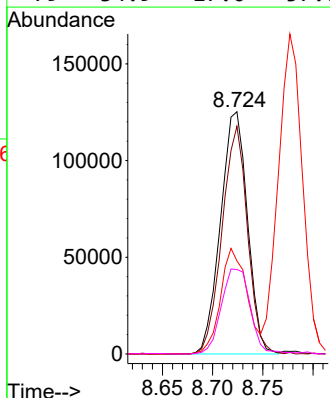
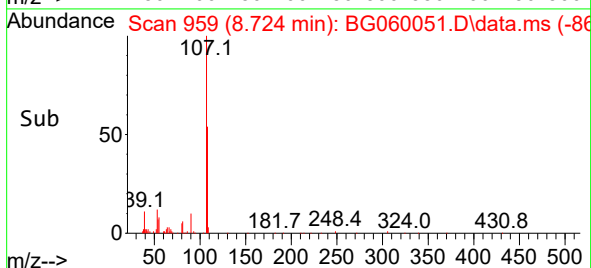
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

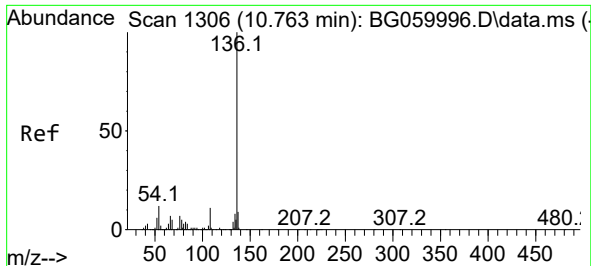


#20  
3+4-Methylphenols  
Concen: 41.776 ng  
RT: 8.724 min Scan# 959  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



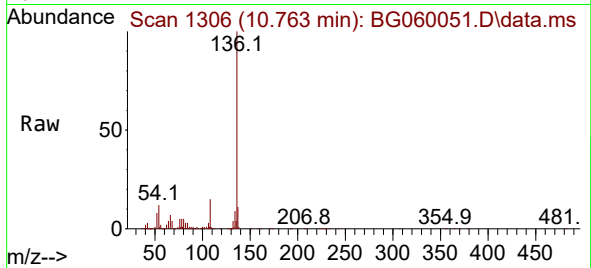
Tgt Ion:107 Resp: 234249  
Ion Ratio Lower Upper  
107 100  
108 94.0 72.8 112.8  
77 38.4 25.6 65.6  
79 34.9 17.0 57.0





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.763 min Scan# 1306  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

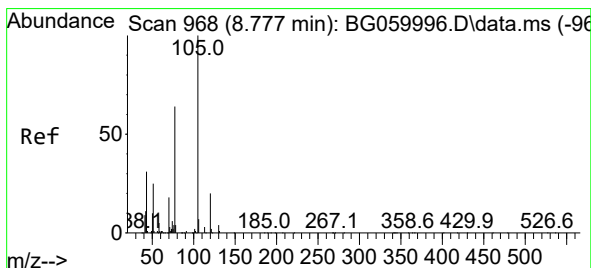
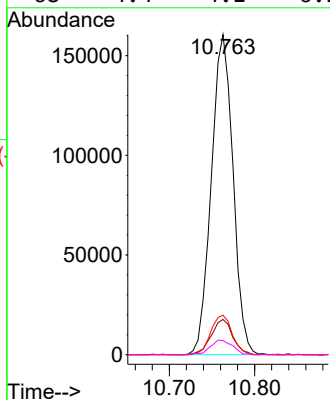
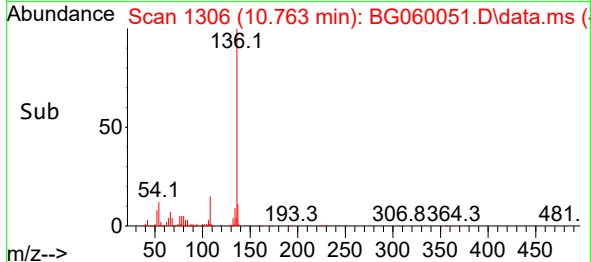
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



Tgt Ion:136 Resp: 283802  
Ion Ratio Lower Upper  
136 100  
137 11.0 7.3 10.9  
54 12.4 9.6 14.4  
68 4.4 4.1 6.1

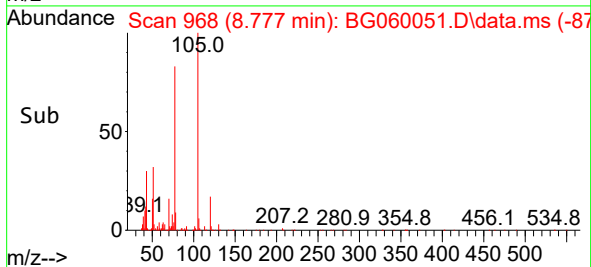
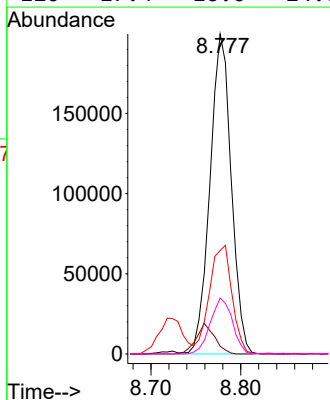
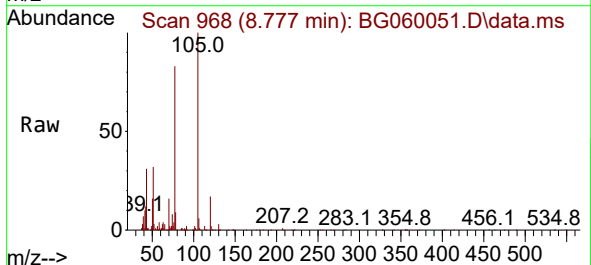
Manual Integrations  
APPROVED

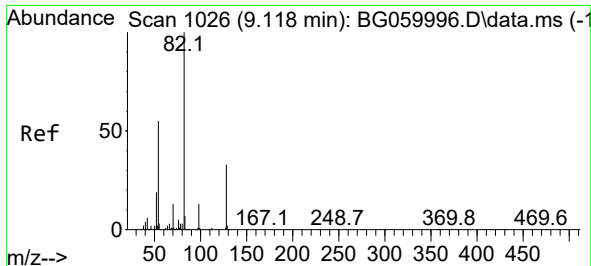
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#22  
Acetophenone  
Concen: 39.742 ng  
RT: 8.777 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

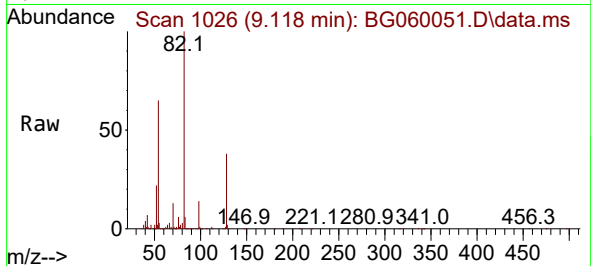
Tgt Ion:105 Resp: 328681  
Ion Ratio Lower Upper  
105 100  
71 2.4 2.1 3.1  
51 32.3 25.4 38.0  
120 17.4 16.0 24.0





#23  
Nitrobenzene-d5  
Concen: 81.033 ng  
RT: 9.118 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

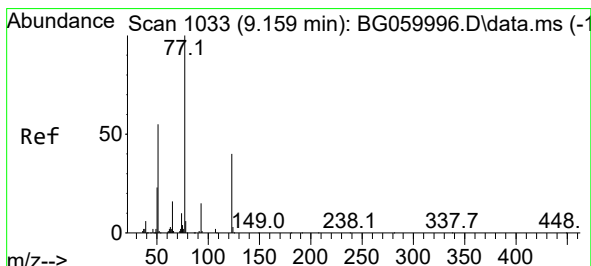
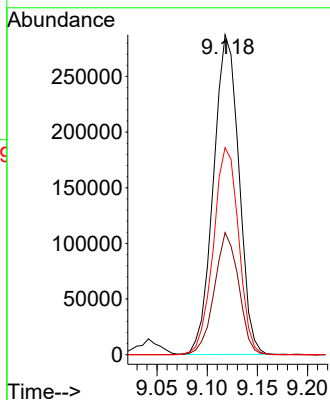
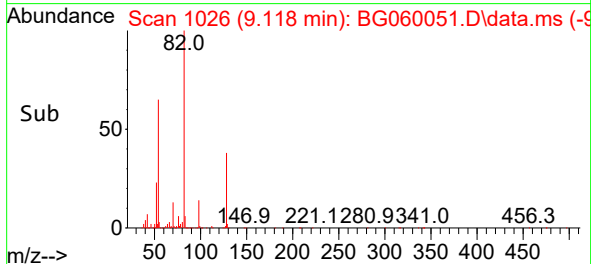
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



Tgt Ion: 82 Resp: 506458  
Ion Ratio Lower Upper  
82 100  
128 38.2 26.3 39.5  
54 64.7 44.3 66.5

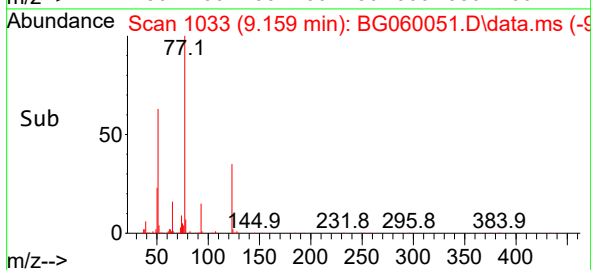
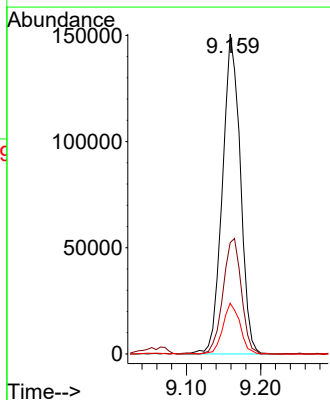
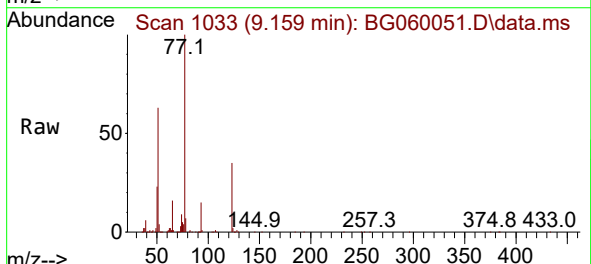
Manual Integrations  
APPROVED

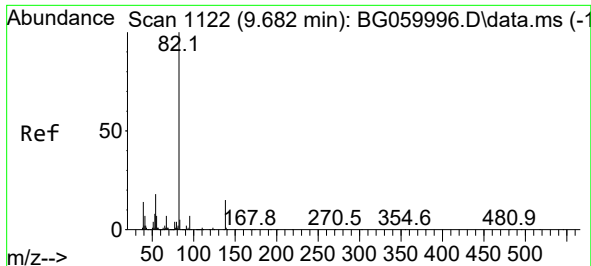
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#24  
Nitrobenzene  
Concen: 39.689 ng  
RT: 9.159 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

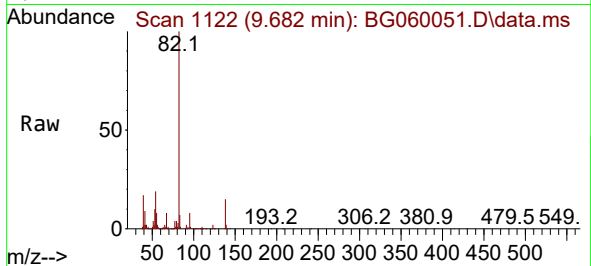
Tgt Ion: 77 Resp: 251836  
Ion Ratio Lower Upper  
77 100  
123 34.8 32.1 48.1  
65 15.9 13.0 19.4





#25  
Isophorone  
Concen: 40.013 ng  
RT: 9.682 min Scan# 1122  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

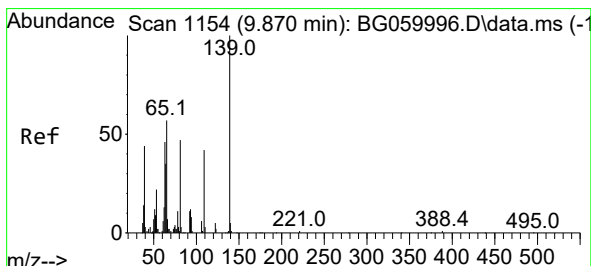
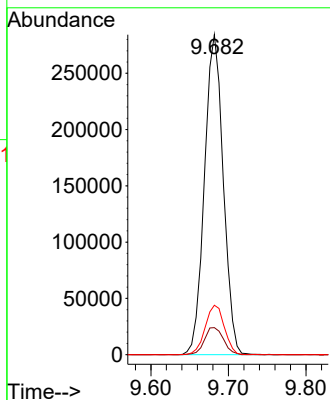
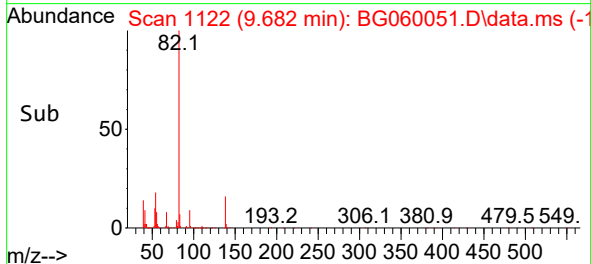
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



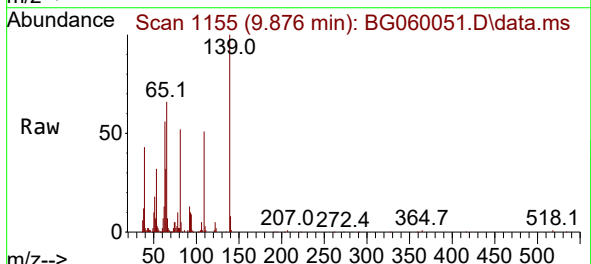
Tgt Ion: 82 Resp: 47864  
Ion Ratio Lower Upper  
82 100  
95 8.4 5.8 8.8  
138 15.5 11.6 17.4

Manual Integrations  
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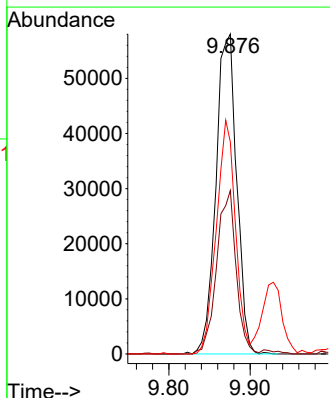
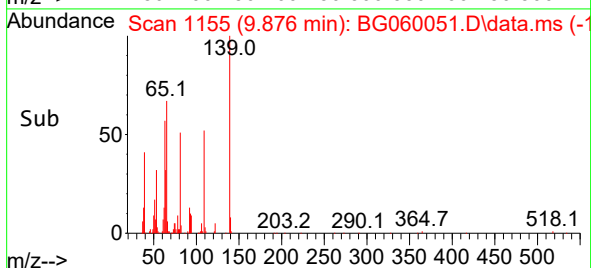
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

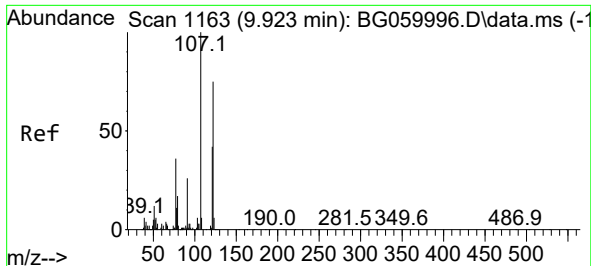


#26  
2-Nitrophenol  
Concen: 44.237 ng  
RT: 9.876 min Scan# 1155  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:139 Resp: 103232  
Ion Ratio Lower Upper  
139 100  
109 51.1 33.8 50.6#  
65 66.2 45.2 67.8





#27

2,4-Dimethylphenol

Concen: 51.813 ng

RT: 9.929 min Scan# 1163

Delta R.T. 0.006 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD

Tgt Ion:122 Resp: 165735

Ion Ratio Lower Upper

122 100

107 137.5 105.9 158.9

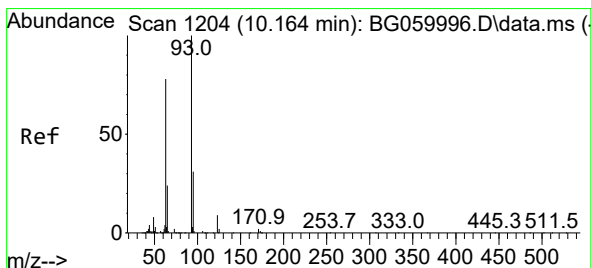
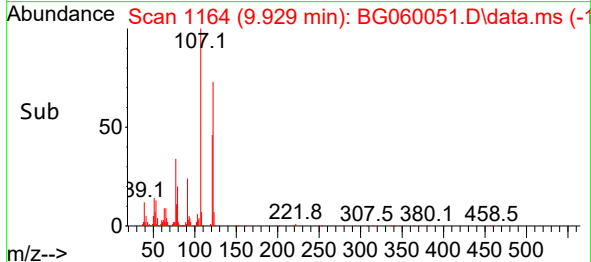
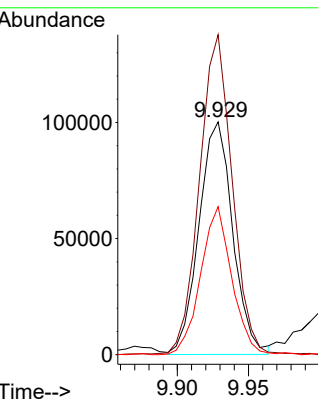
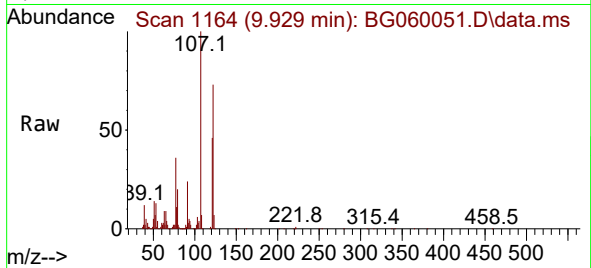
121 63.6 44.5 66.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/18/2023

Supervised By :mohammad ahmed 12/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 38.192 ng

RT: 10.169 min Scan# 1205

Delta R.T. 0.006 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

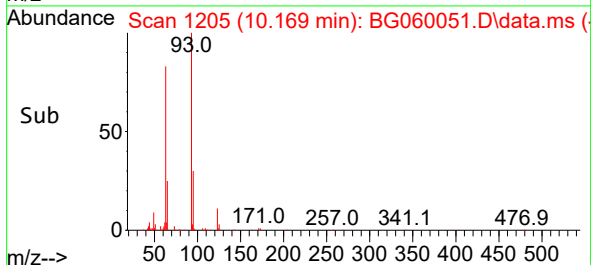
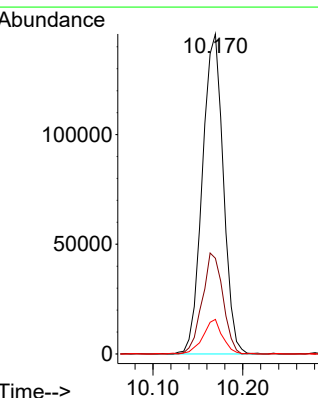
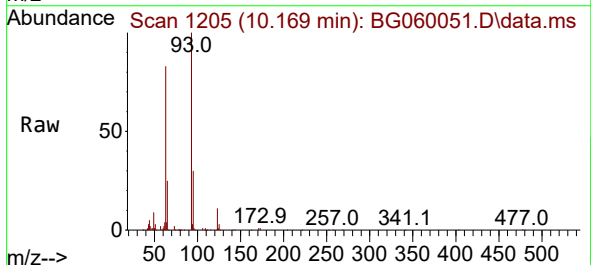
Tgt Ion: 93 Resp: 235876

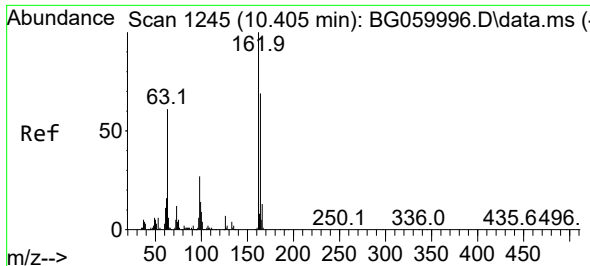
Ion Ratio Lower Upper

93 100

95 29.9 24.7 37.1

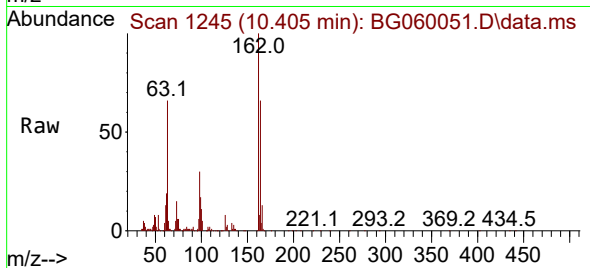
123 10.8 7.5 11.3





#29  
2,4-Dichlorophenol  
Concen: 42.109 ng  
RT: 10.405 min Scan# 1245  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

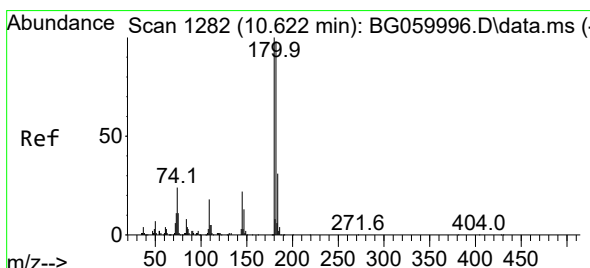
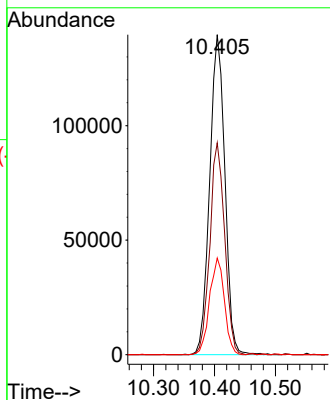
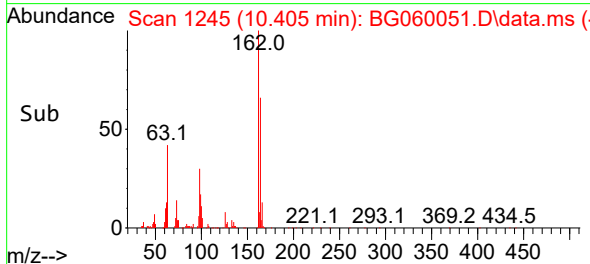
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



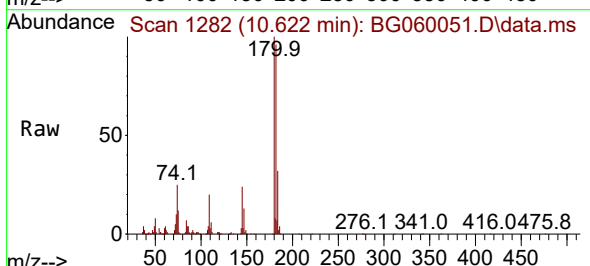
Tgt Ion:162 Resp: 24192  
Ion Ratio Lower Upper  
162 100  
164 66.2 48.8 88.8  
98 30.2 7.2 47.2

Manual Integrations  
APPROVED

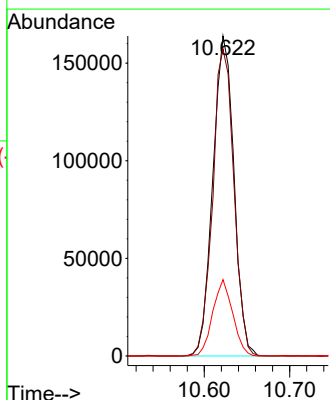
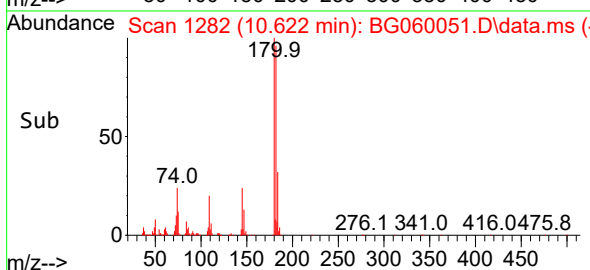
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

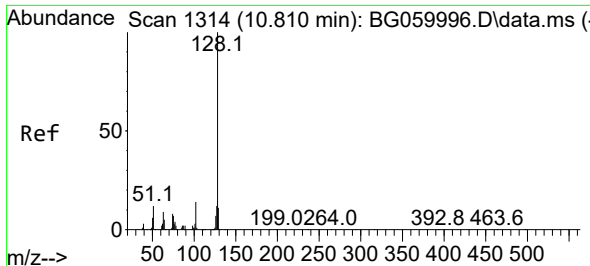


#30  
1,2,4-Trichlorobenzene  
Concen: 36.143 ng  
RT: 10.622 min Scan# 1282  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:180 Resp: 281068  
Ion Ratio Lower Upper  
180 100  
182 95.9 78.2 117.4  
145 23.8 17.2 25.8





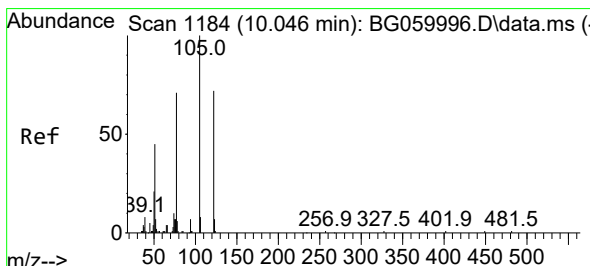
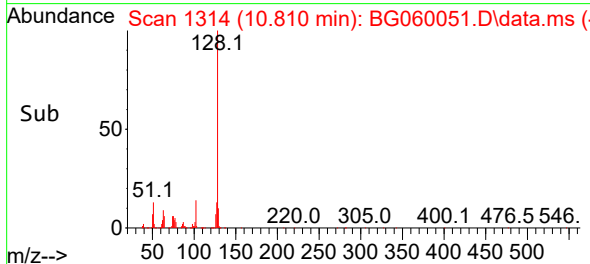
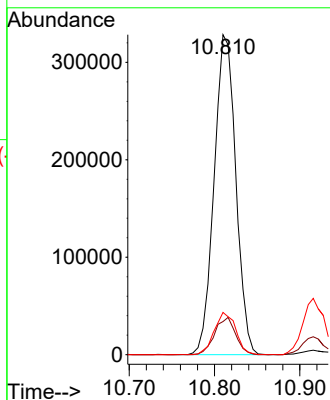
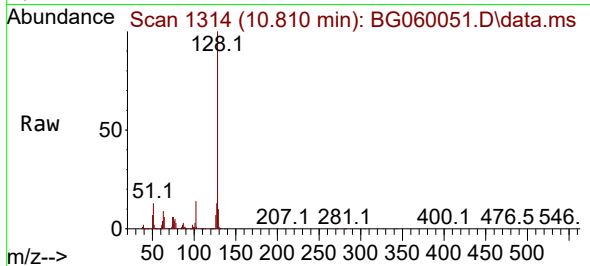
#31  
Naphthalene  
Concen: 39.361 ng  
RT: 10.810 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion:128 Resp: 58152  
Ion Ratio Lower Upper  
128 100  
129 10.4 9.2 13.8  
127 13.2 9.7 14.5

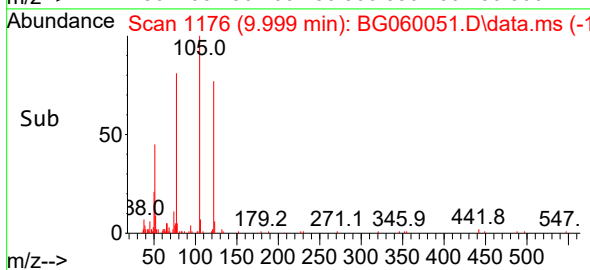
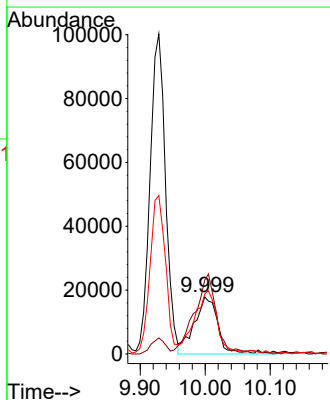
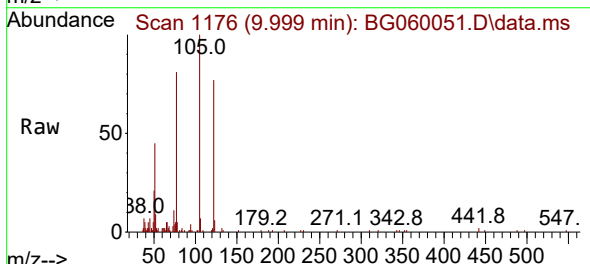
Manual Integrations  
APPROVED

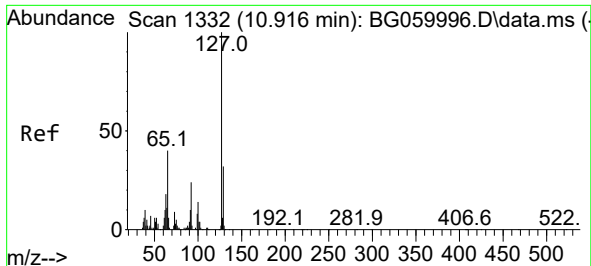
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#32  
Benzoic acid  
Concen: 15.751 ng m  
RT: 9.999 min Scan# 1176  
Delta R.T. -0.047 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Tgt Ion:122 Resp: 45831  
Ion Ratio Lower Upper  
122 100  
105 129.9 106.2 146.2  
77 105.4 80.4 120.4





#33  
4-Chloroaniline  
Concen: 18.085 ng  
RT: 10.916 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD

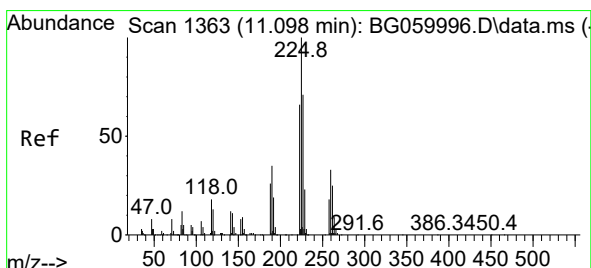
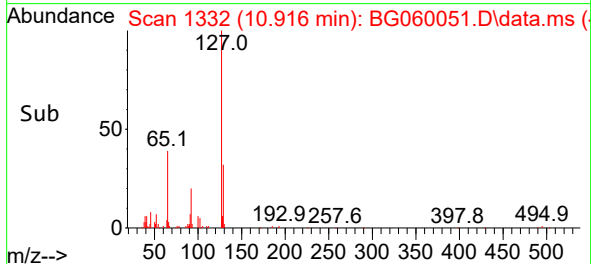
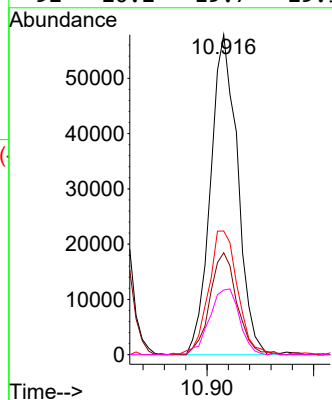
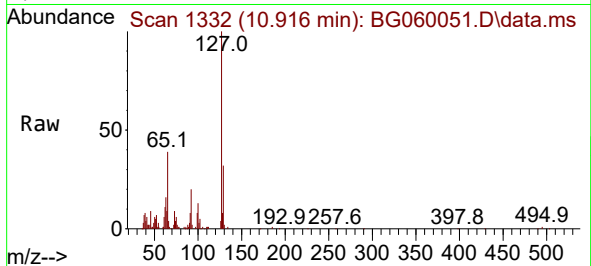
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 101664 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.9  | 25.7  | 38.5   |
| 65        | 38.7  | 32.3  | 48.5   |
| 92        | 20.2  | 19.7  | 29.5   |

Manual Integrations

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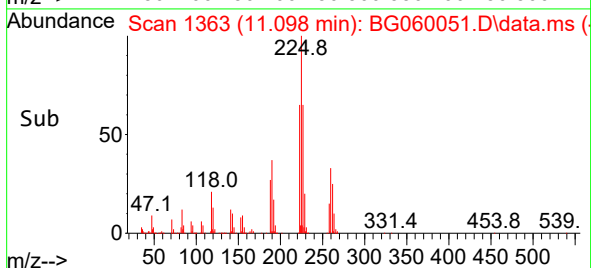
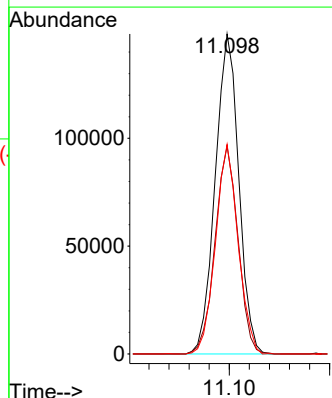
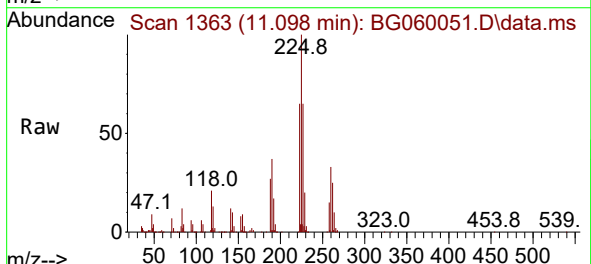
Reviewed By :Yogesh Patel 12/18/2023

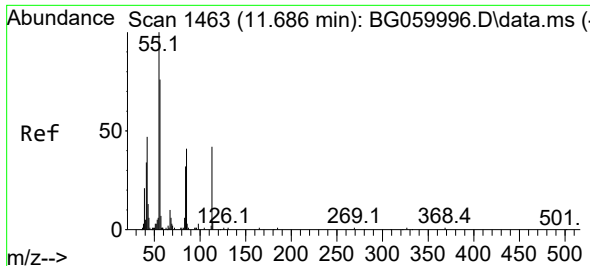
Supervised By :mohammad ahmed 12/18/2023



#34  
Hexachlorobutadiene  
Concen: 33.893 ng  
RT: 11.098 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

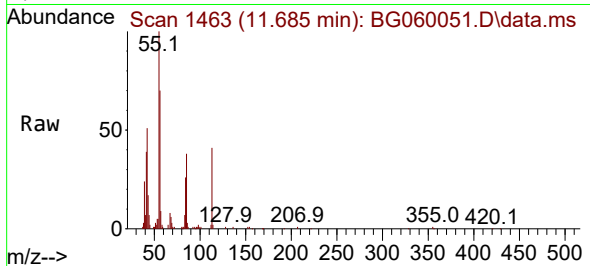
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 241234 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 65.0  | 52.4  | 78.6   |
| 227       | 65.4  | 56.6  | 85.0   |





#35  
Caprolactam  
Concen: 39.020 ng  
RT: 11.685 min Scan# 1463  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

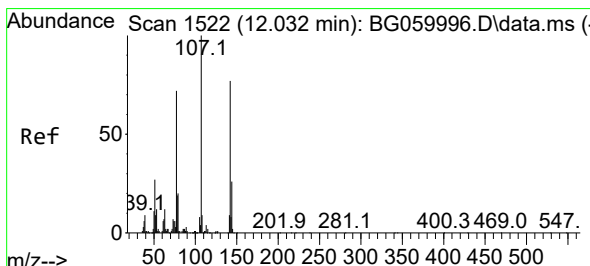
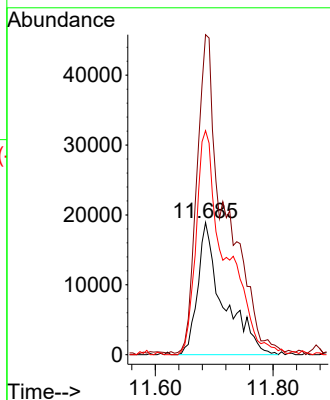
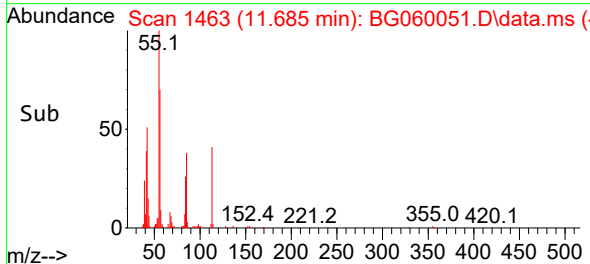
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



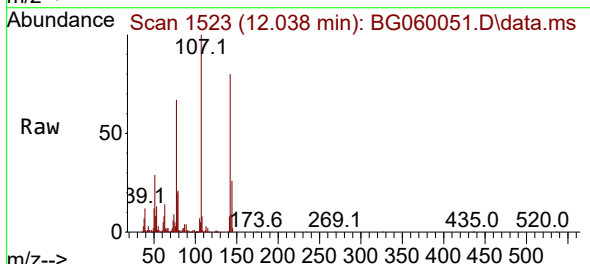
Tgt Ion:113 Resp: 5694  
Ion Ratio Lower Upper  
113 100  
55 242.2 219.5 259.5  
56 169.6 161.6 201.6

Manual Integrations  
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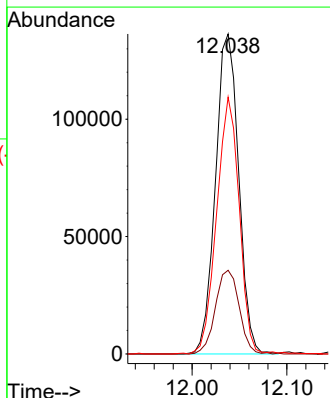
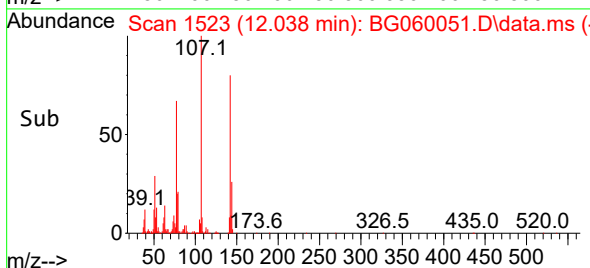
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

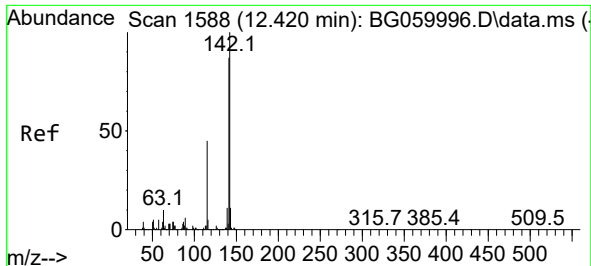


#36  
4-Chloro-3-methylphenol  
Concen: 44.406 ng  
RT: 12.038 min Scan# 1523  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



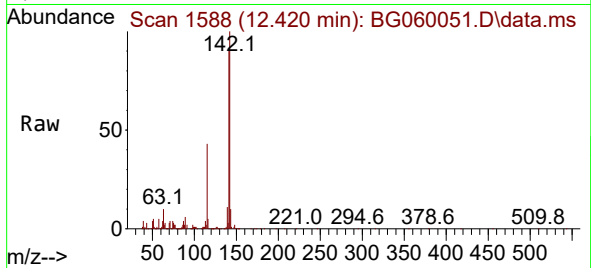
Tgt Ion:107 Resp: 232018  
Ion Ratio Lower Upper  
107 100  
144 26.1 20.4 30.6  
142 80.2 61.4 92.0





#37  
2-Methylnaphthalene  
Concen: 39.192 ng  
RT: 12.420 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

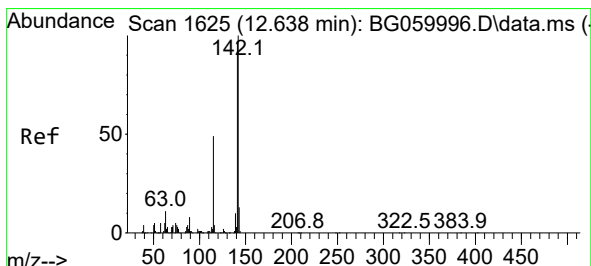
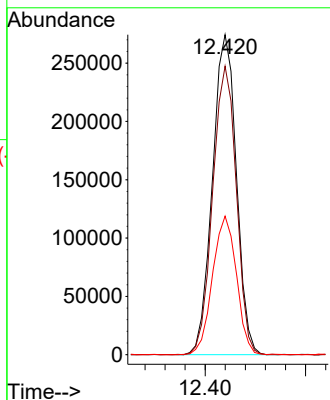
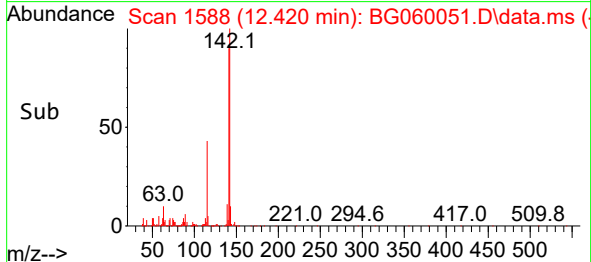
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



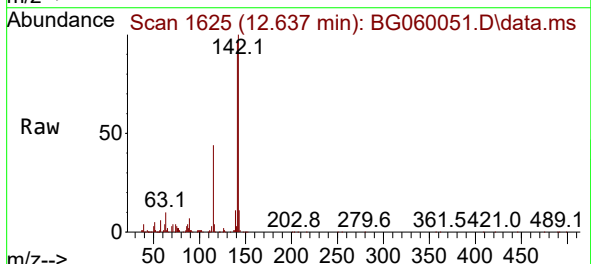
Tgt Ion:142 Resp: 454138  
Ion Ratio Lower Upper  
142 100  
141 90.2 69.9 104.9  
115 43.3 36.1 54.1

Manual Integrations  
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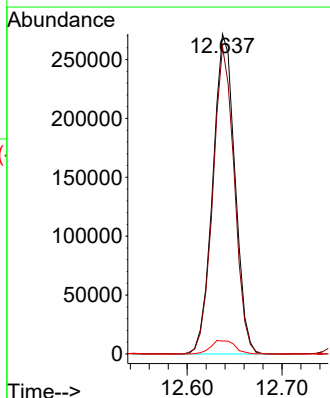
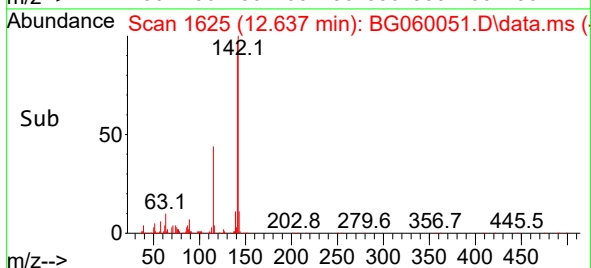
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

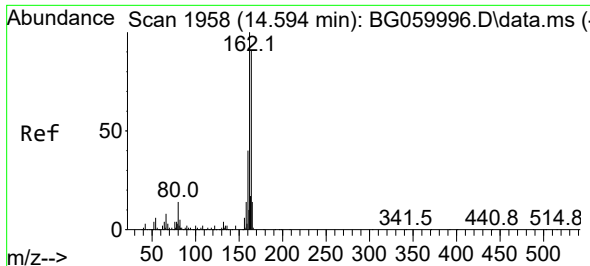


#38  
1-Methylnaphthalene  
Concen: 38.505 ng  
RT: 12.637 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



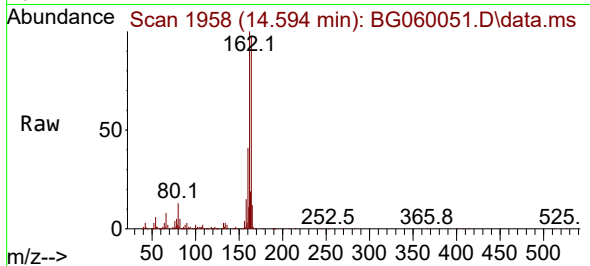
Tgt Ion:142 Resp: 440740  
Ion Ratio Lower Upper  
142 100  
141 96.0 76.9 115.3  
116 4.1 3.5 5.3





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.594 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

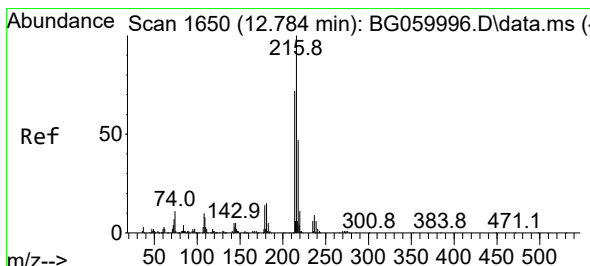
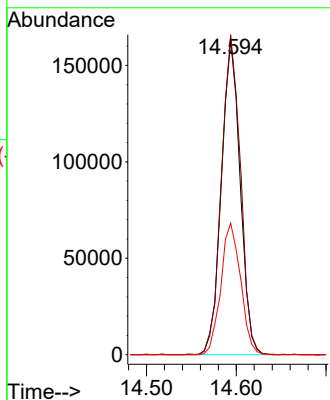
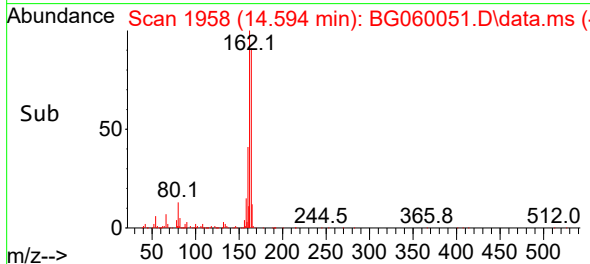
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



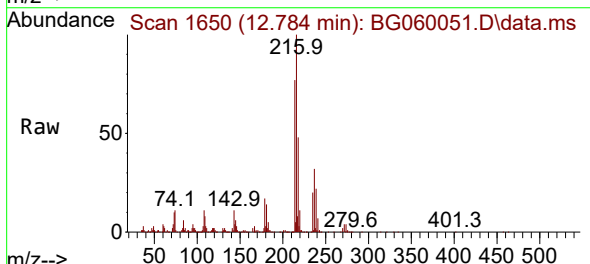
Tgt Ion:164 Resp: 236200  
Ion Ratio Lower Upper  
164 100  
162 101.8 88.1 132.1  
160 41.9 35.4 53.0

Manual Integrations  
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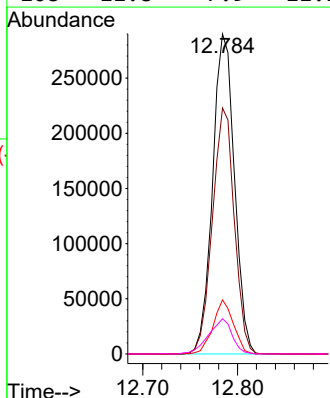
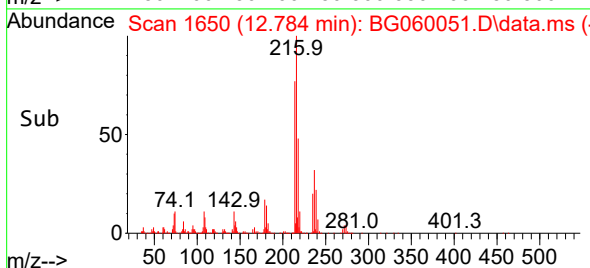
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

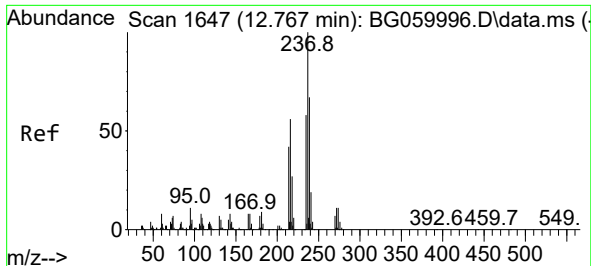


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.767 ng  
RT: 12.784 min Scan# 1650  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



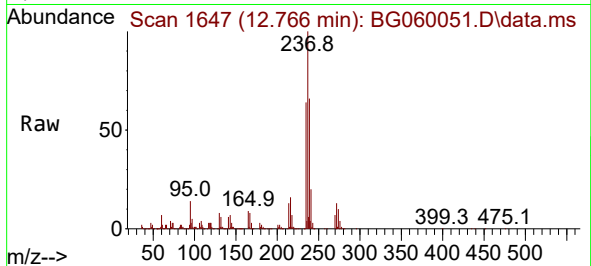
Tgt Ion:216 Resp: 465059  
Ion Ratio Lower Upper  
216 100  
214 76.7 60.3 90.5  
179 15.8 11.9 17.9  
108 11.8 7.9 11.9





#41  
Hexachlorocyclopentadiene  
Concen: 111.616 ng  
RT: 12.766 min Scan# 1647  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

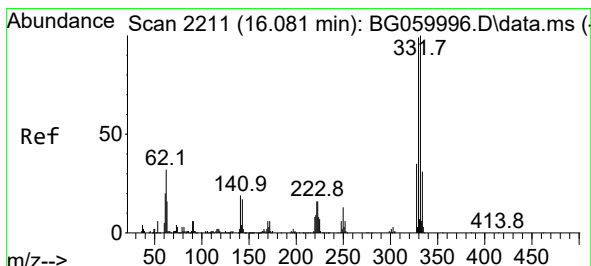
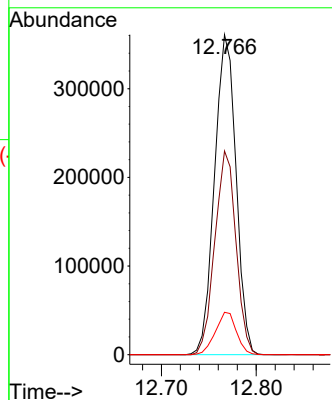
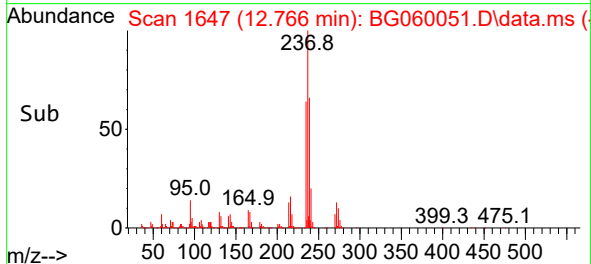
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



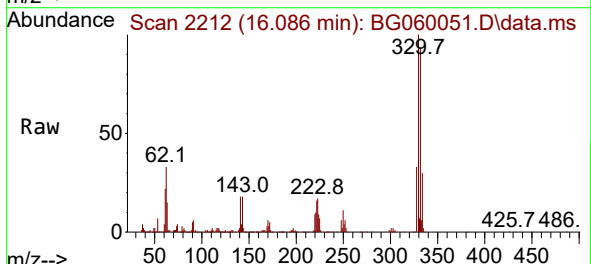
Tgt Ion:237 Resp: 56787  
Ion Ratio Lower Upper  
237 100  
235 63.7 38.5 78.5  
272 13.3 0.0 31.2

Manual Integrations  
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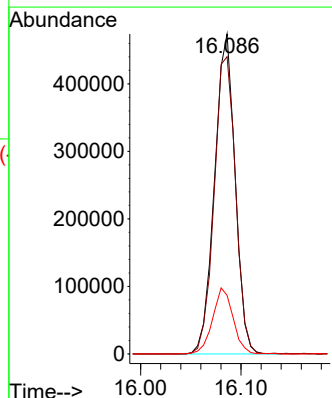
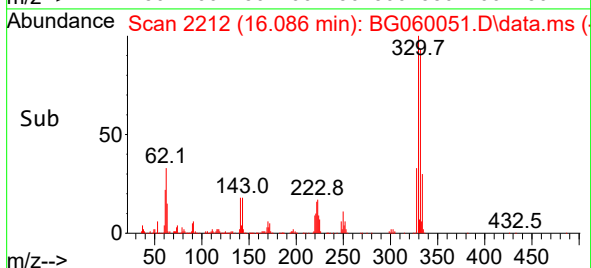
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

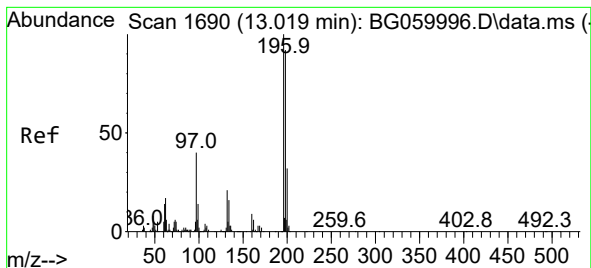


#42  
2,4,6-Tribromophenol  
Concen: 122.460 ng  
RT: 16.086 min Scan# 2212  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:330 Resp: 674094  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.2 114.4  
141 20.6 14.3 21.5





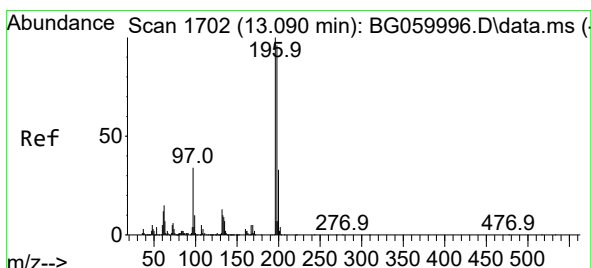
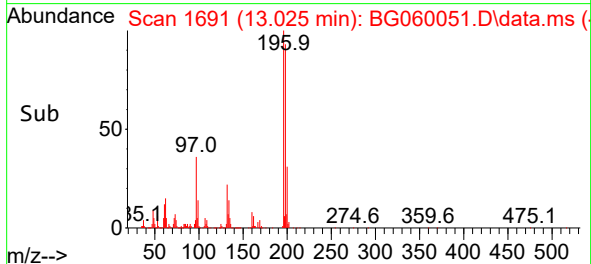
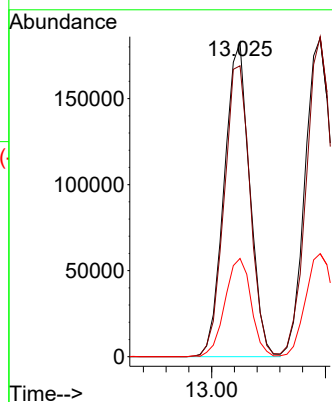
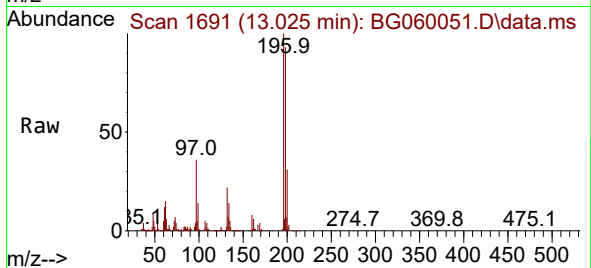
#43  
2,4,6-Trichlorophenol  
Concen: 41.157 ng  
RT: 13.025 min Scan# 1  
Delta R.T. 0.005 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion:196 Resp: 284162  
Ion Ratio Lower Upper  
196 100  
198 92.6 73.4 110.0  
200 31.3 26.1 39.1

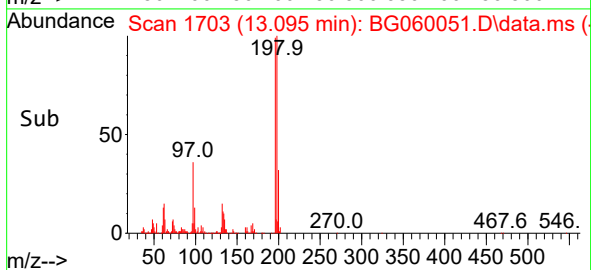
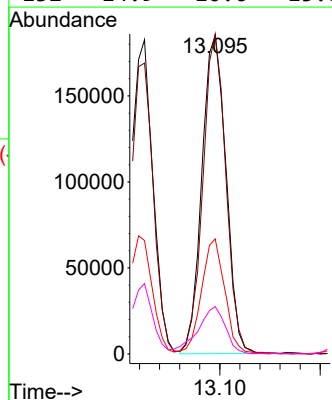
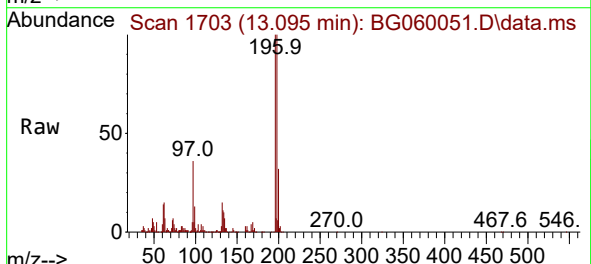
Manual Integrations  
APPROVED

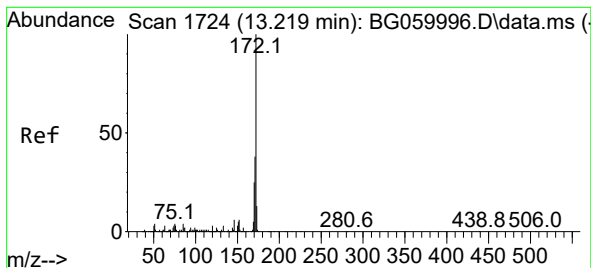
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#44  
2,4,5-Trichlorophenol  
Concen: 41.136 ng  
RT: 13.095 min Scan# 1703  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Tgt Ion:196 Resp: 308928  
Ion Ratio Lower Upper  
196 100  
198 100.4 76.4 114.6  
97 36.1 27.0 40.4  
132 14.9 10.6 15.8





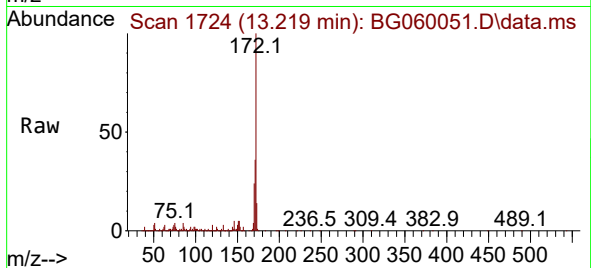
#45  
2-Fluorobiphenyl  
Concen: 78.783 ng  
RT: 13.219 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

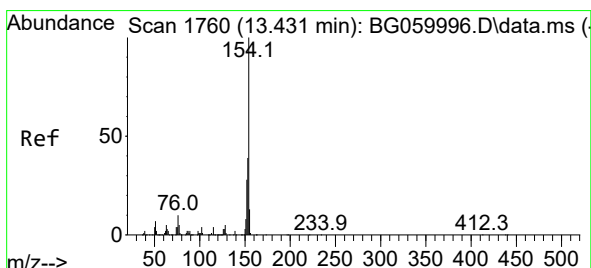
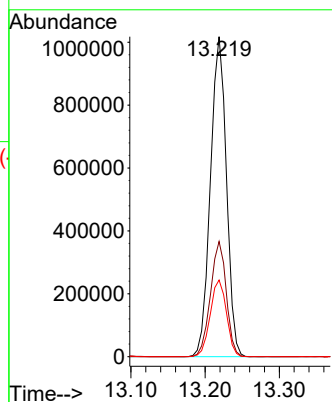
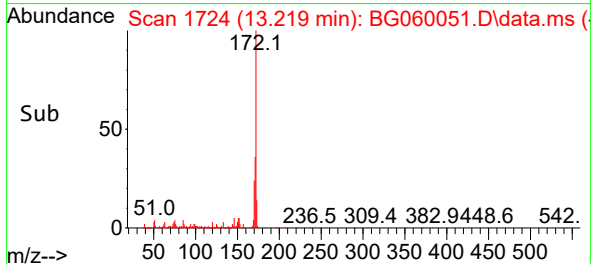
597-P-2MSD



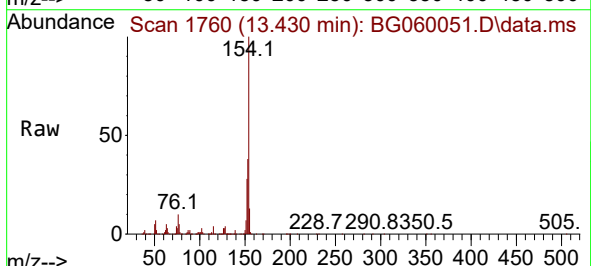
Tgt Ion:172 Resp: 152044  
Ion Ratio Lower Upper  
172 100  
171 36.0 30.1 45.1  
170 24.0 20.0 30.0

Manual Integrations  
APPROVED

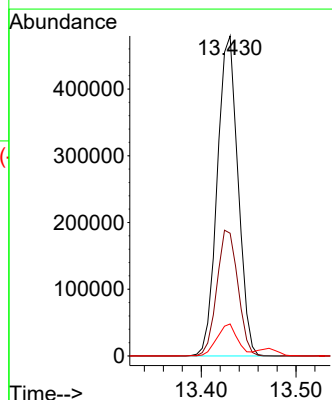
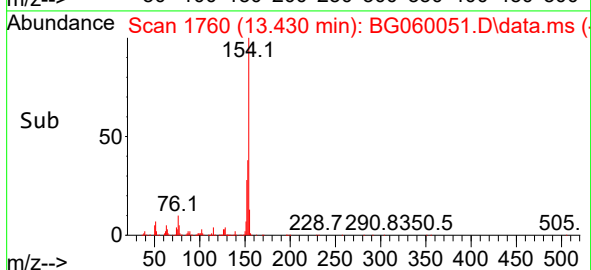
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

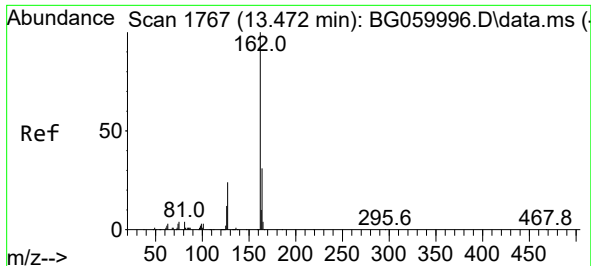


#46  
1,1'-Biphenyl  
Concen: 41.599 ng  
RT: 13.430 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



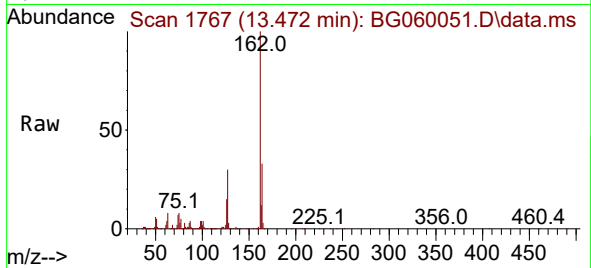
Tgt Ion:154 Resp: 728688  
Ion Ratio Lower Upper  
154 100  
153 38.4 19.2 59.2  
76 10.0 0.0 29.9





#47  
2-Chloronaphthalene  
Concen: 38.766 ng  
RT: 13.472 min Scan# 1767  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

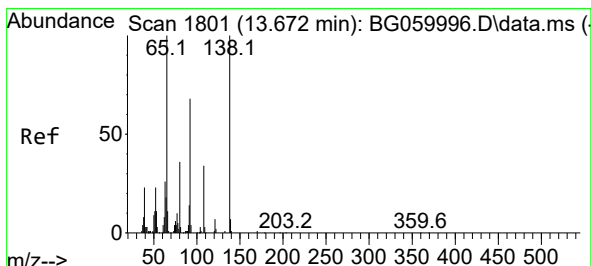
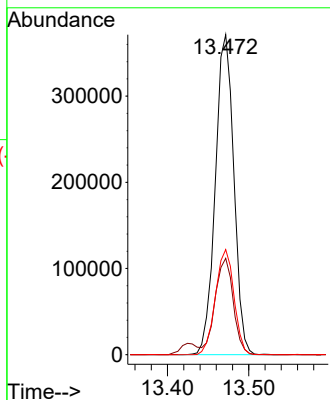
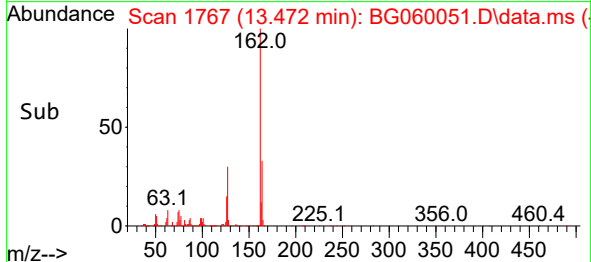
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



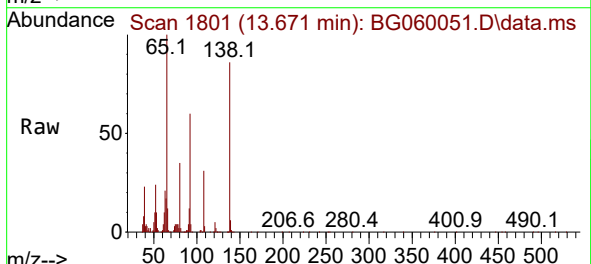
Tgt Ion:162 Resp: 588089  
Ion Ratio Lower Upper  
162 100  
127 30.1 21.8 32.6  
164 32.9 25.2 37.8

Manual Integrations  
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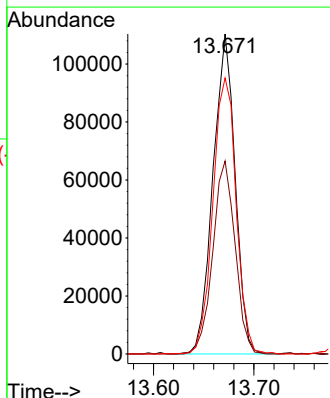
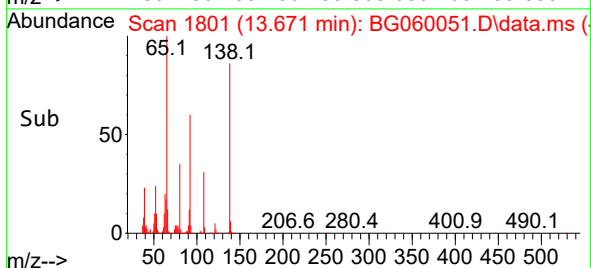
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

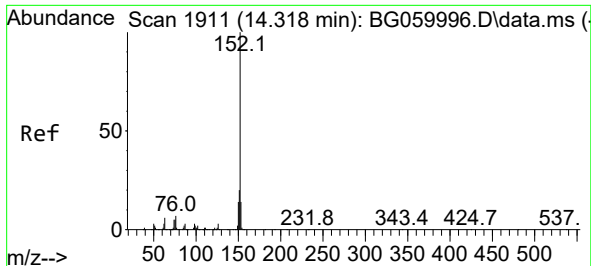


#48  
2-Nitroaniline  
Concen: 51.557 ng  
RT: 13.671 min Scan# 1801  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



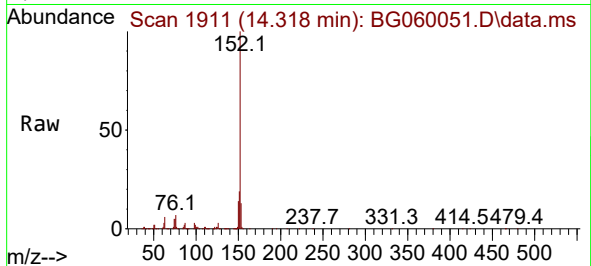
Tgt Ion: 65 Resp: 168839  
Ion Ratio Lower Upper  
65 100  
92 60.3 54.6 81.8  
138 86.3 80.2 120.2





#49  
Acenaphthylene  
Concen: 44.678 ng  
RT: 14.318 min Scan# 1911  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

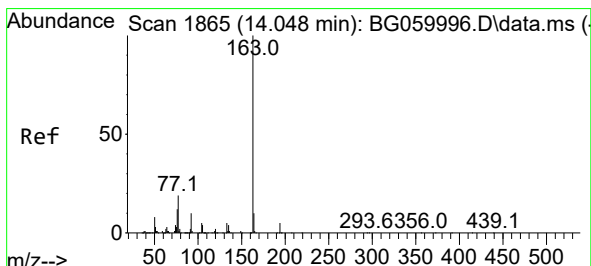
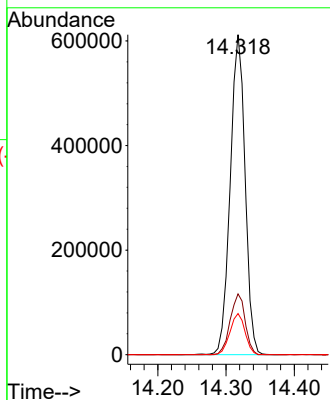
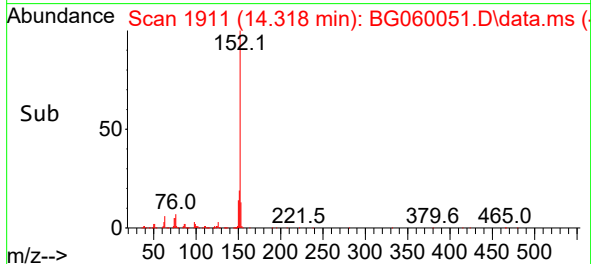
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



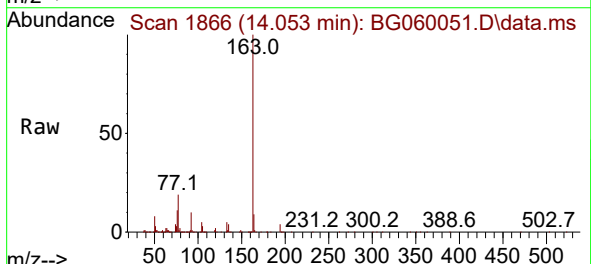
Tgt Ion:152 Resp: 92713  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.8 23.8  
153 12.9 11.0 16.4

Manual Integrations  
APPROVED

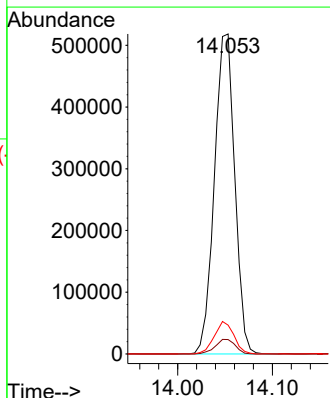
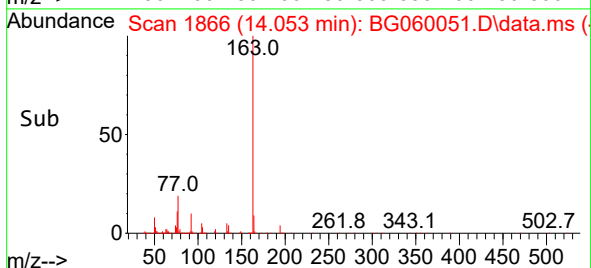
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

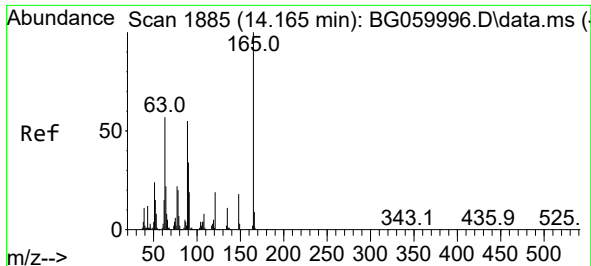


#50  
Dimethylphthalate  
Concen: 42.166 ng  
RT: 14.053 min Scan# 1866  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:163 Resp: 773085  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.7 5.5  
164 9.0 8.2 12.4





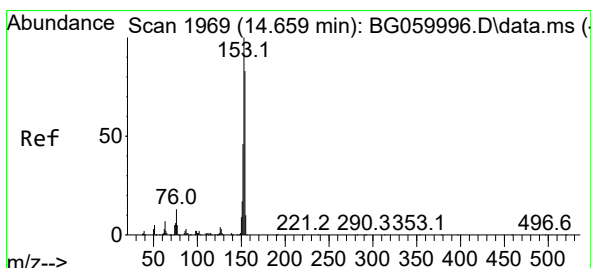
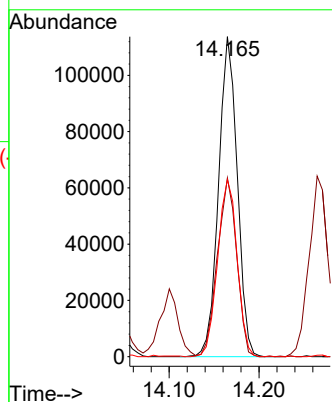
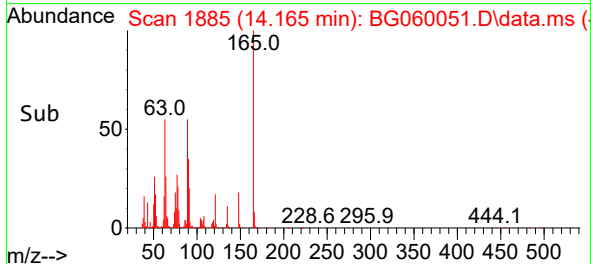
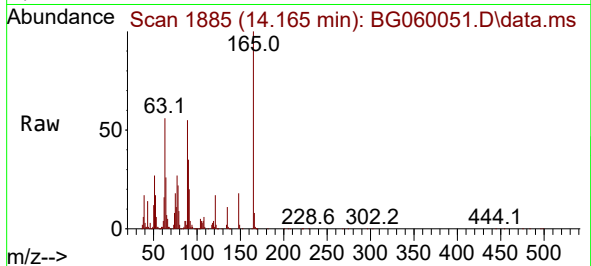
#51  
2,6-Dinitrotoluene  
Concen: 43.297 ng  
RT: 14.165 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion:165 Resp: 164439  
Ion Ratio Lower Upper  
165 100  
63 55.8 48.2 72.2  
89 55.4 44.4 66.6

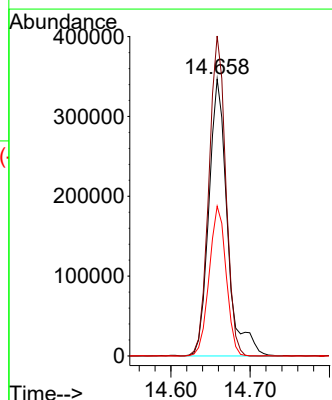
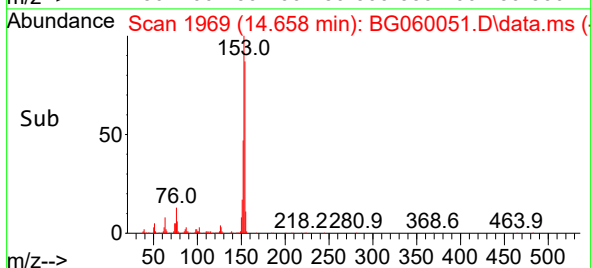
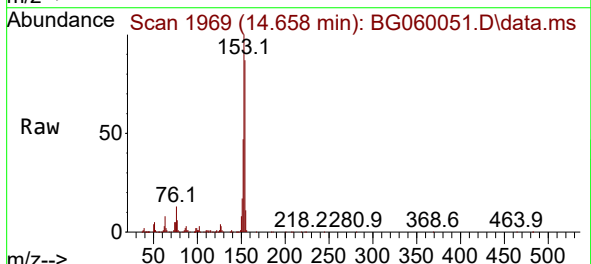
Manual Integrations  
APPROVED

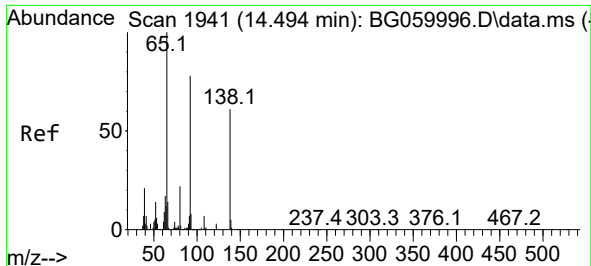
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#52  
Acenaphthene  
Concen: 39.470 ng m  
RT: 14.658 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Tgt Ion:154 Resp: 563807  
Ion Ratio Lower Upper  
154 100  
153 115.5 96.0 144.0  
152 54.1 44.3 66.5





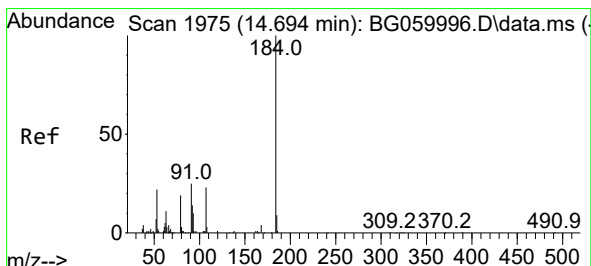
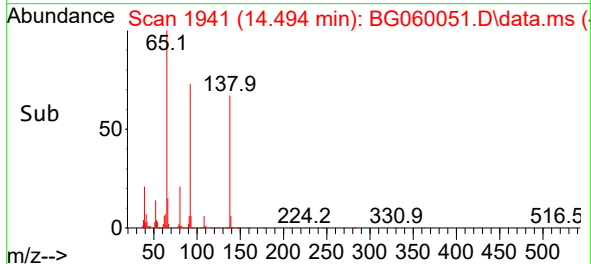
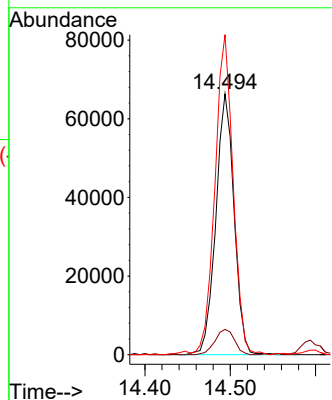
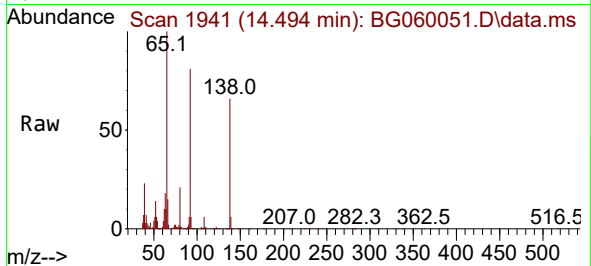
#53  
3-Nitroaniline  
Concen: 32.432 ng  
RT: 14.494 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion:138 Resp: 98420  
Ion Ratio Lower Upper  
138 100  
108 9.7 8.9 13.3  
92 122.7 102.1 153.1

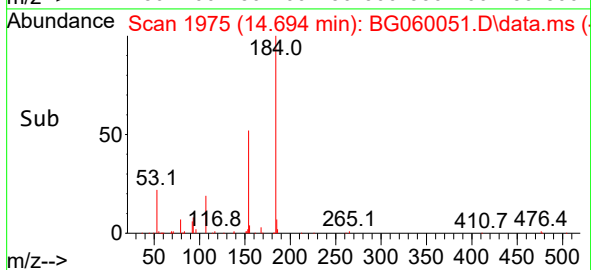
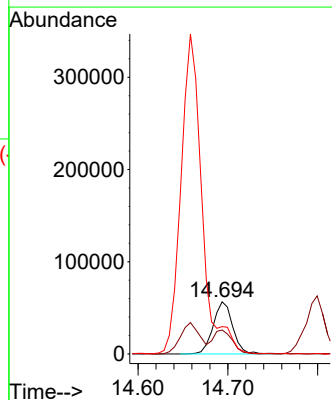
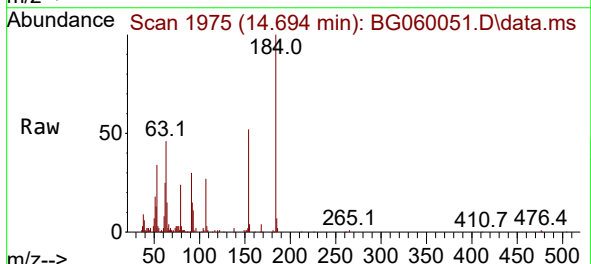
Manual Integrations  
APPROVED

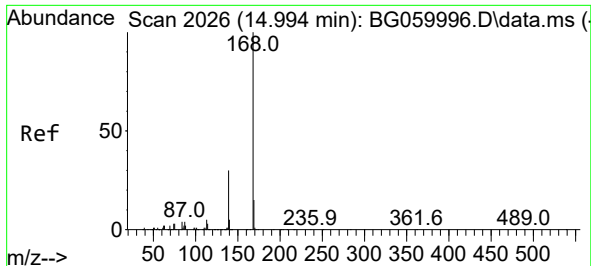
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#54  
2,4-Dinitrophenol  
Concen: 30.585 ng  
RT: 14.694 min Scan# 1975  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

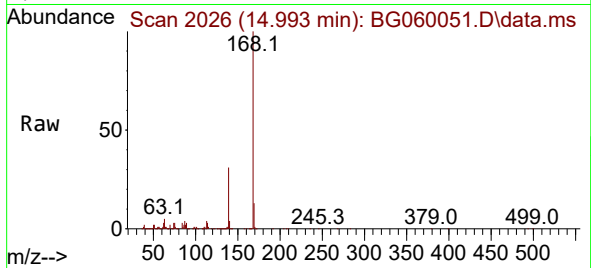
Tgt Ion:184 Resp: 85584  
Ion Ratio Lower Upper  
184 100  
63 46.0 35.5 53.3  
154 52.4 36.7 55.1





#55  
Dibenzenofuran  
Concen: 41.010 ng  
RT: 14.993 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

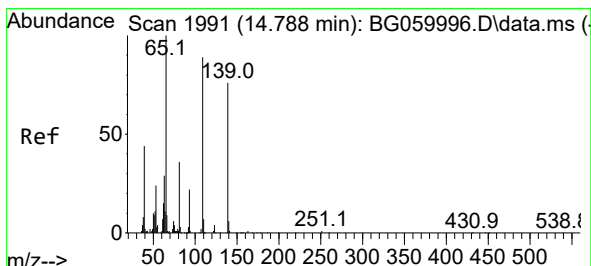
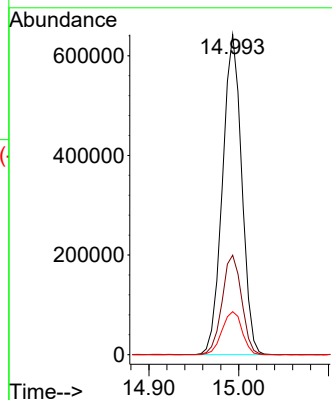
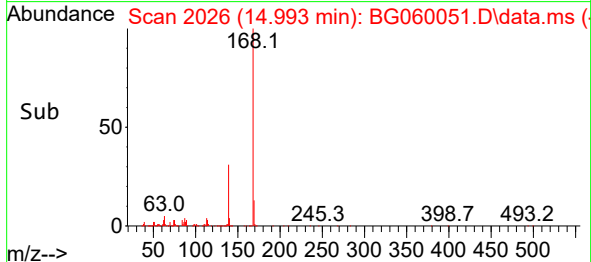
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



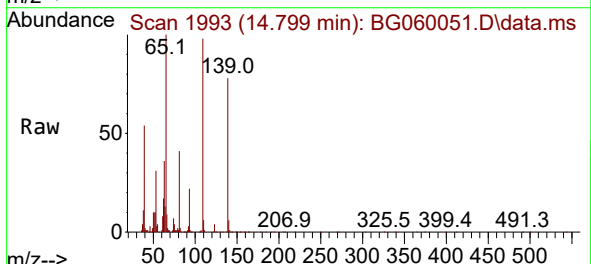
Tgt Ion:168 Resp: 953484  
Ion Ratio Lower Upper  
168 100  
139 31.1 24.0 36.0  
169 13.4 11.8 17.8

Manual Integrations  
APPROVED

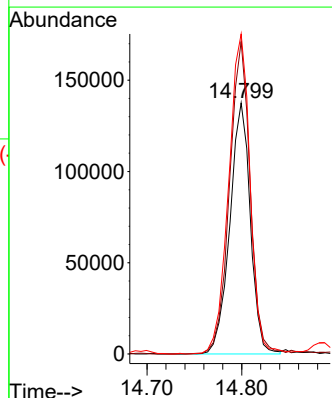
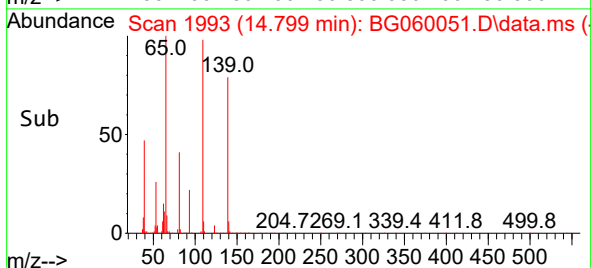
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

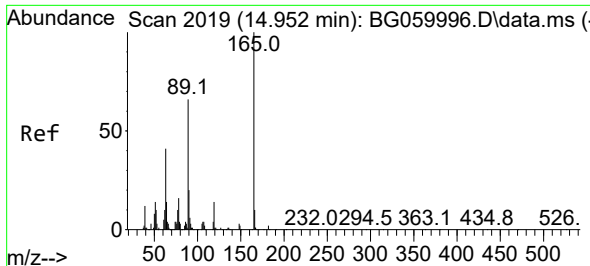


#56  
4-Nitrophenol  
Concen: 80.982 ng  
RT: 14.799 min Scan# 1993  
Delta R.T. 0.011 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:139 Resp: 206557  
Ion Ratio Lower Upper  
139 100  
109 124.4 97.2 137.2  
65 127.4 112.2 152.2





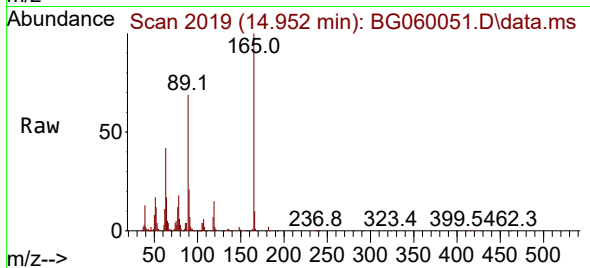
#57  
2,4-Dinitrotoluene  
Concen: 43.577 ng  
RT: 14.952 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

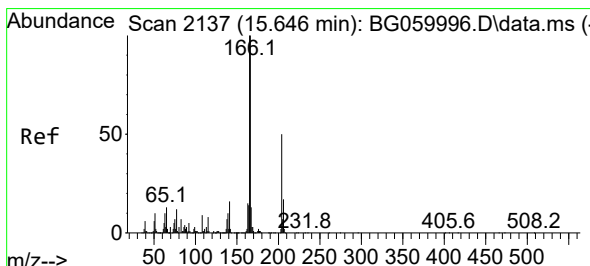
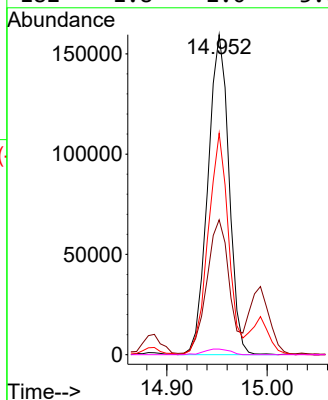
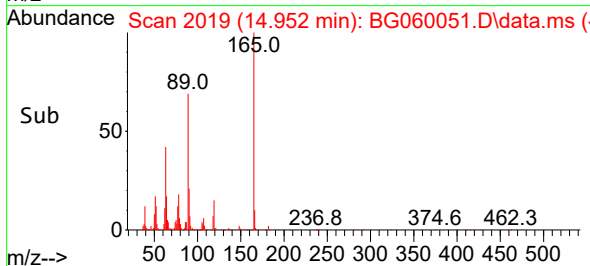
597-P-2MSD



Tgt Ion:165 Resp: 232652  
Ion Ratio Lower Upper  
165 100  
63 42.1 32.8 49.2  
89 69.2 53.0 79.6  
182 1.8 2.0 3.0#

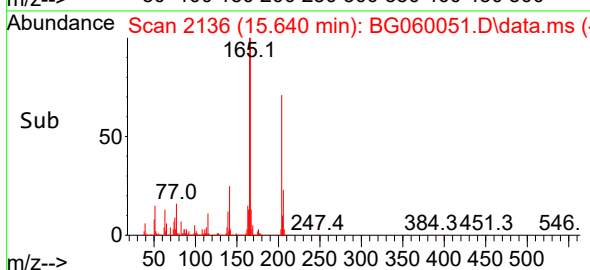
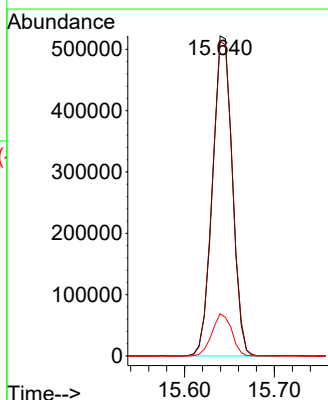
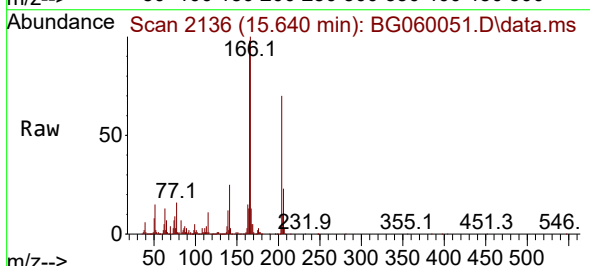
Manual Integrations  
APPROVED

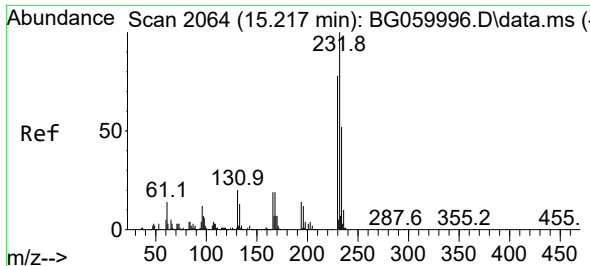
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#58  
Fluorene  
Concen: 40.548 ng  
RT: 15.640 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

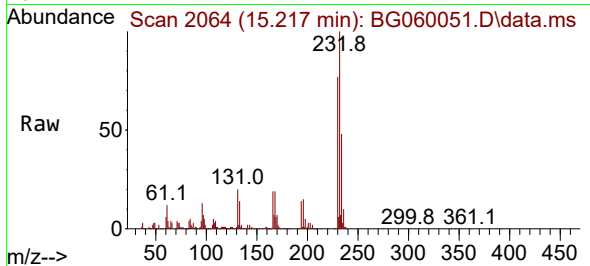
Tgt Ion:166 Resp: 794967  
Ion Ratio Lower Upper  
166 100  
165 98.3 80.2 120.2  
167 13.2 10.3 15.5





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.294 ng  
RT: 15.217 min Scan# 2064  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

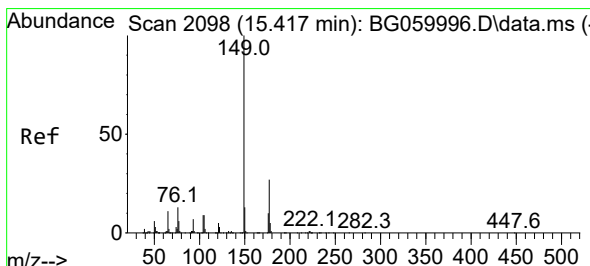
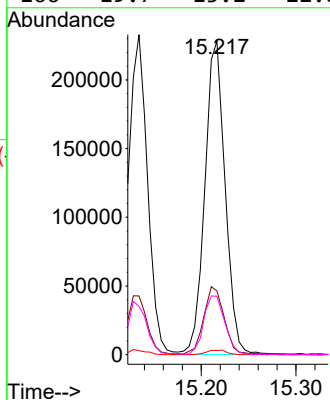
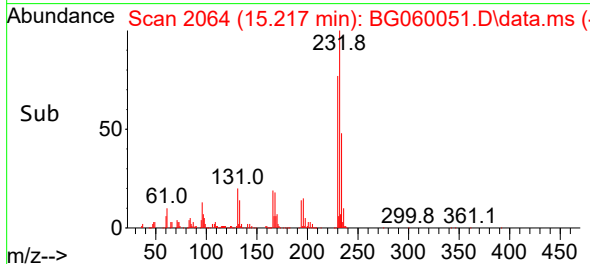
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



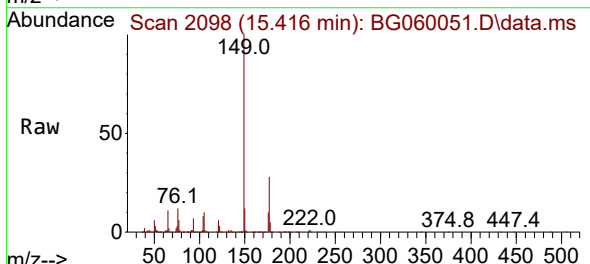
Tgt Ion:232 Resp: 338449  
Ion Ratio Lower Upper  
232 100  
131 22.2 17.6 26.4  
130 1.4 1.0 1.6  
166 19.7 15.2 22.8

Manual Integrations  
APPROVED

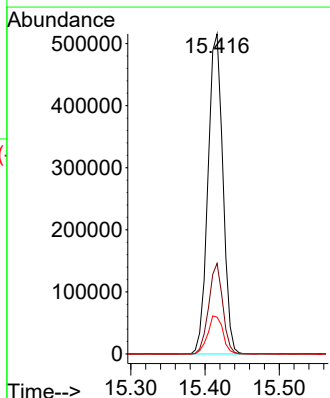
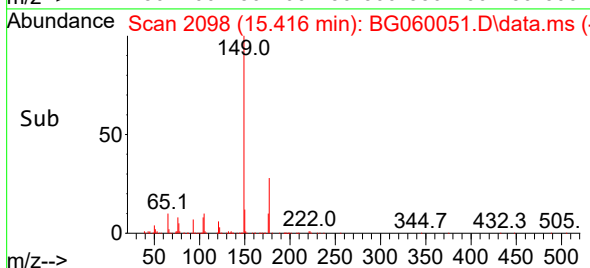
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

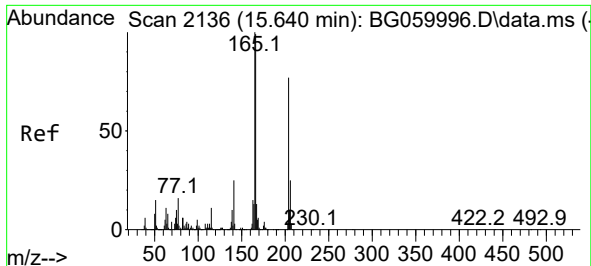


#60  
Diethylphthalate  
Concen: 42.584 ng  
RT: 15.416 min Scan# 2098  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



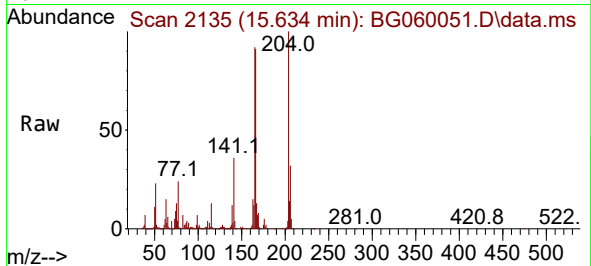
Tgt Ion:149 Resp: 718369  
Ion Ratio Lower Upper  
149 100  
177 28.3 21.5 32.3  
150 11.5 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 39.248 ng  
RT: 15.634 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

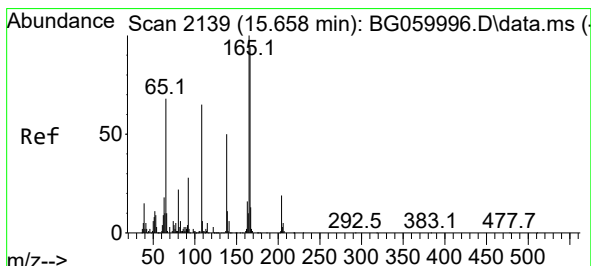
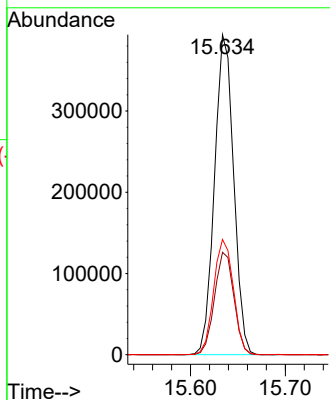
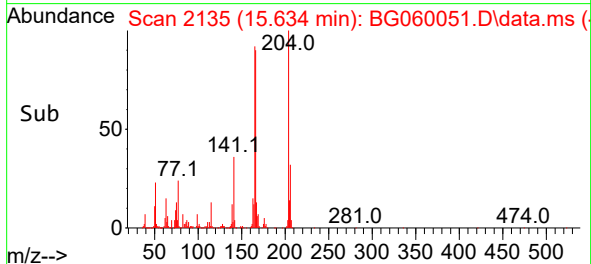
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



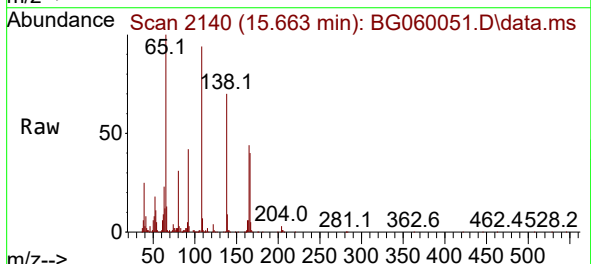
Tgt Ion:204 Resp: 55417  
Ion Ratio Lower Upper  
204 100  
206 32.0 25.9 38.9  
141 36.0 25.6 38.4

Manual Integrations  
APPROVED

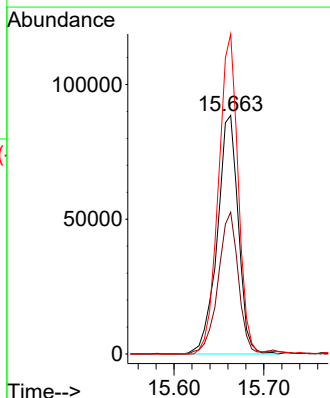
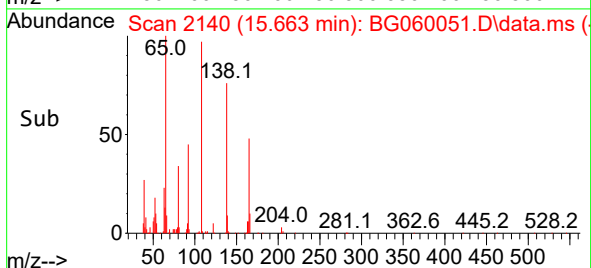
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

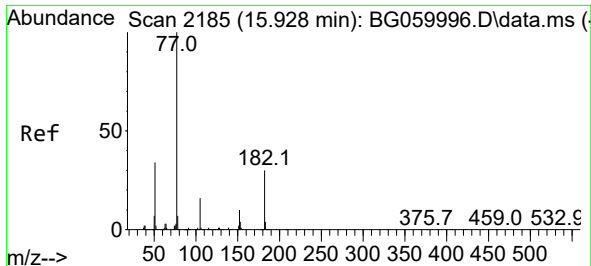


#62  
4-Nitroaniline  
Concen: 43.472 ng  
RT: 15.663 min Scan# 2140  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



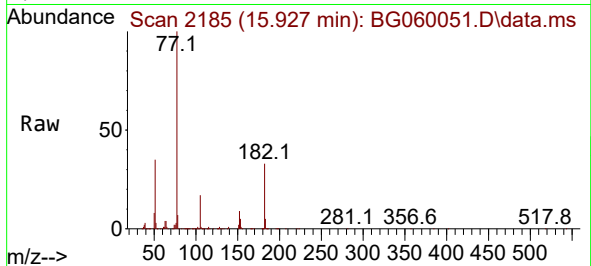
Tgt Ion:138 Resp: 143664  
Ion Ratio Lower Upper  
138 100  
92 59.4 36.3 76.3  
108 134.2 109.3 149.3





#63  
Azobenzene  
Concen: 41.019 ng  
RT: 15.927 min Scan# 2185  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

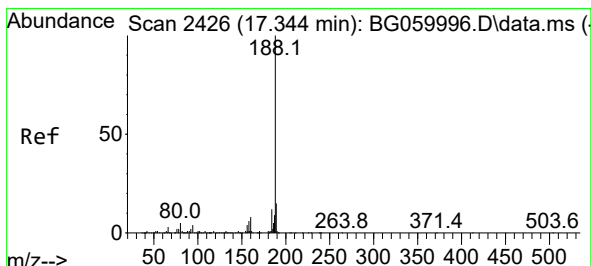
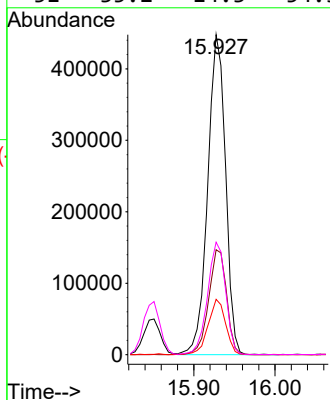
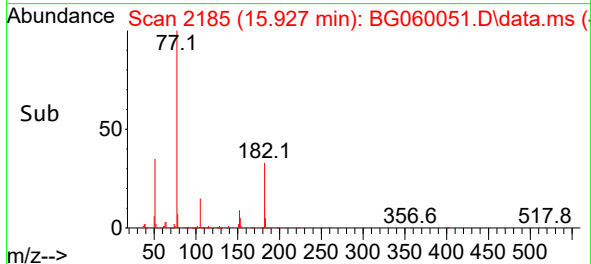
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



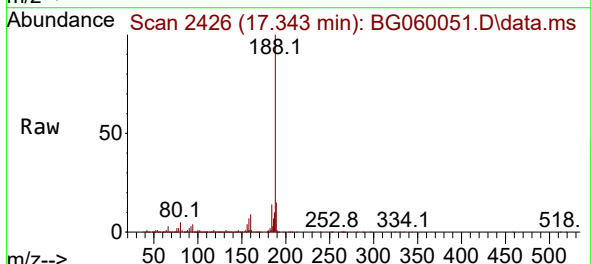
Tgt Ion: 77 Resp: 68224  
Ion Ratio Lower Upper  
77 100  
182 32.8 10.2 50.2  
105 17.3 0.0 36.5  
51 35.2 14.3 54.3

Manual Integrations  
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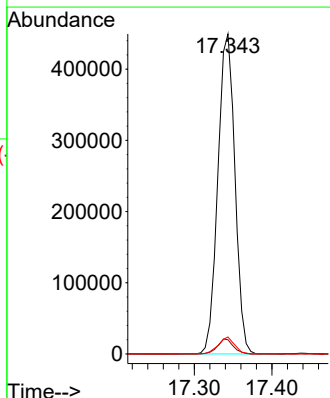
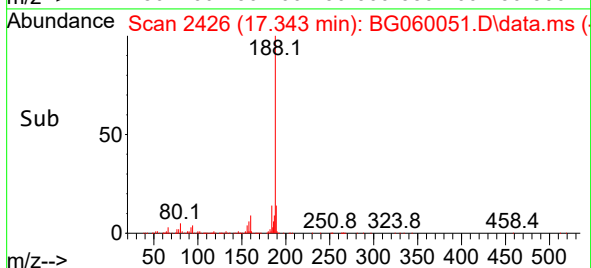
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

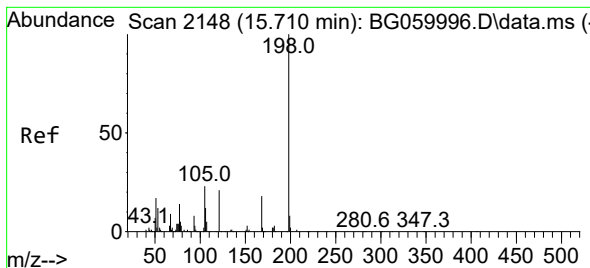


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.343 min Scan# 2426  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:188 Resp: 687106  
Ion Ratio Lower Upper  
188 100  
94 4.4 3.0 4.6  
80 5.3 4.0 6.0





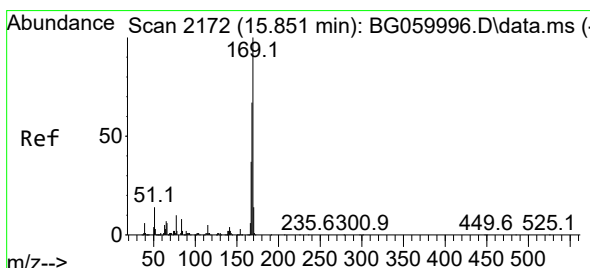
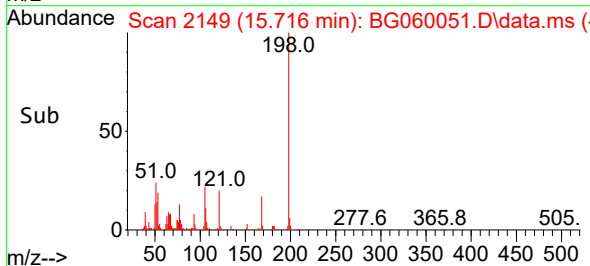
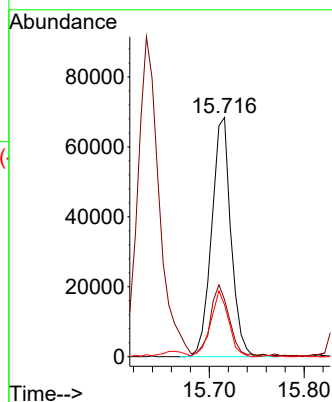
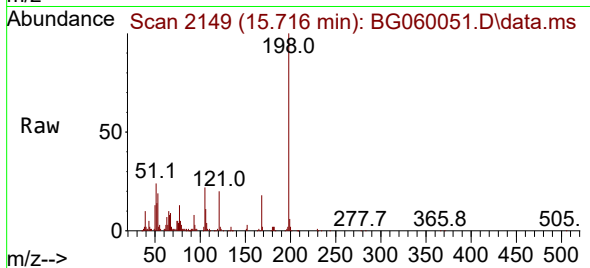
#65  
4,6-Dinitro-2-methylphenol  
Concen: 22.461 ng  
RT: 15.716 min Scan# 2148  
Delta R.T. 0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD

Tgt Ion:198 Resp: 96762  
Ion Ratio Lower Upper  
198 100  
51 23.9 0.0 39.7  
105 21.7 3.3 43.3

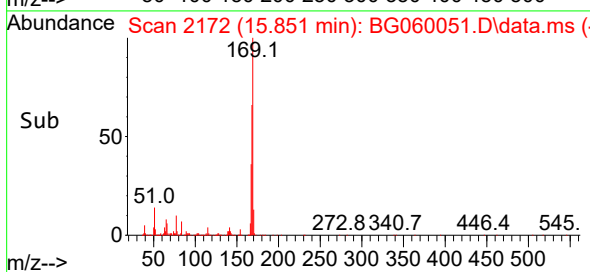
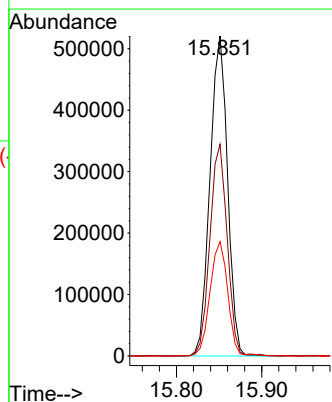
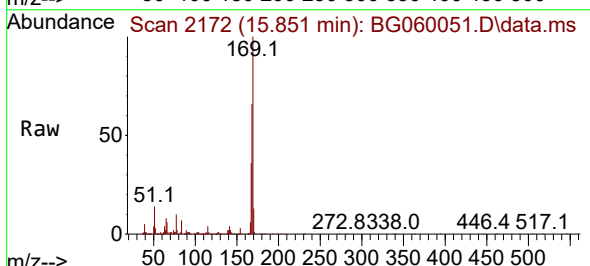
Manual Integrations  
APPROVED

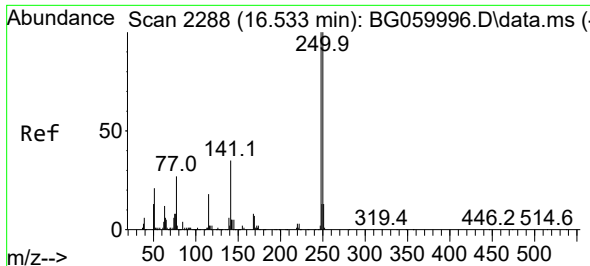
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#66  
n-Nitrosodiphenylamine  
Concen: 44.290 ng  
RT: 15.851 min Scan# 2172  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

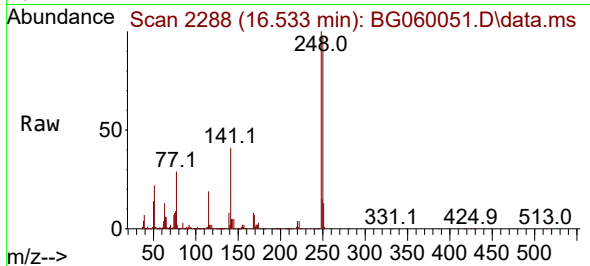
Tgt Ion:169 Resp: 743444  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.4 80.2  
167 35.7 30.0 45.0





#67  
4-Bromophenyl-phenylether  
Concen: 39.709 ng  
RT: 16.533 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

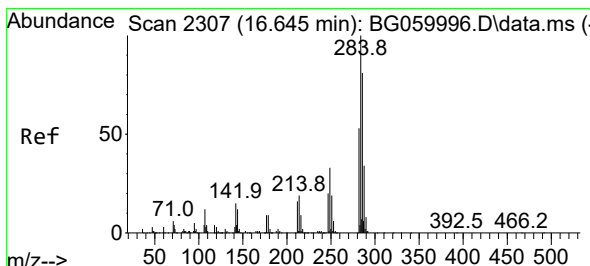
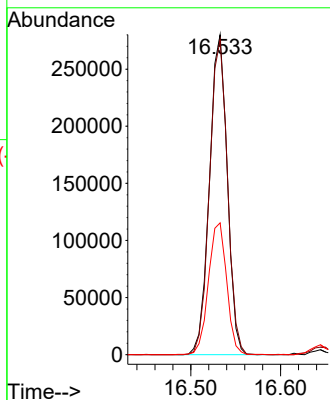
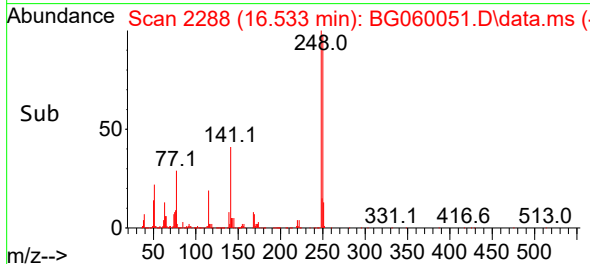
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



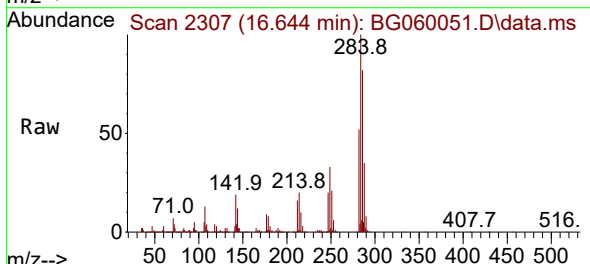
Tgt Ion:248 Resp: 38496  
Ion Ratio Lower Upper  
248 100  
250 98.4 79.9 119.9  
141 41.2 28.3 42.5

Manual Integrations  
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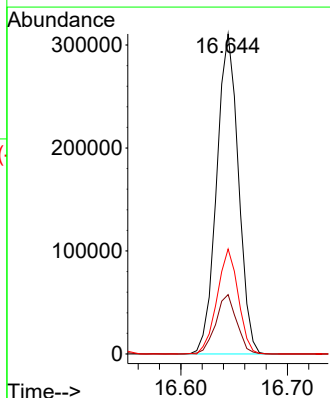
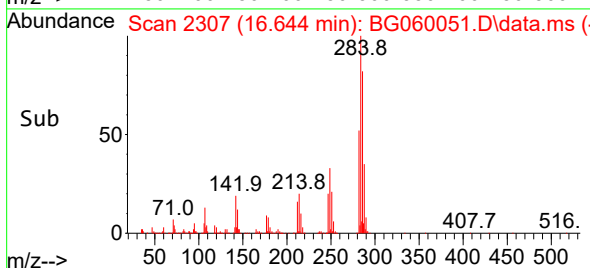
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

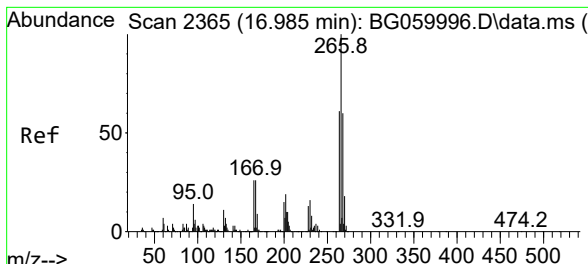


#68  
Hexachlorobenzene  
Concen: 38.795 ng  
RT: 16.644 min Scan# 2307  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:284 Resp: 439668  
Ion Ratio Lower Upper  
284 100  
142 18.5 11.7 17.5#  
249 34.9 26.1 39.1





#70  
 Pentachlorophenol  
 Concen: 60.399 ng  
 RT: 16.985 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

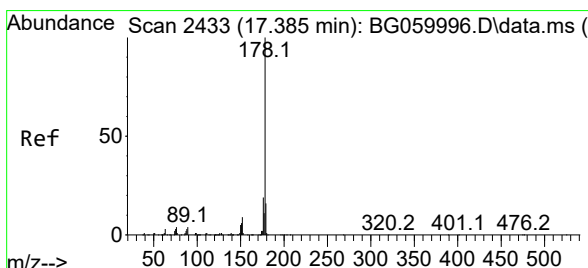
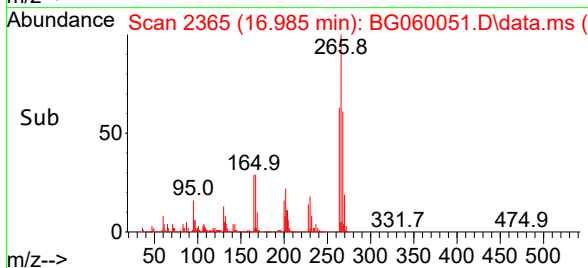
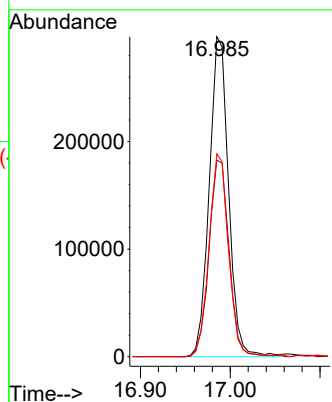
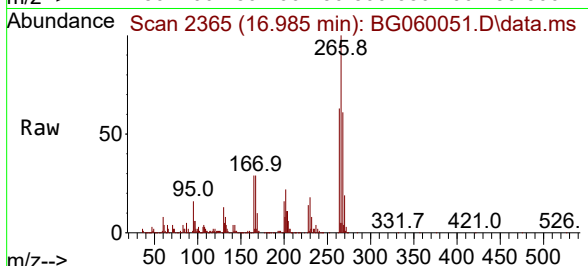
ClientSampleId :

597-P-2MSD

Tgt Ion:266 Resp: 443445  
 Ion Ratio Lower Upper  
 266 100  
 268 61.4 47.9 71.9  
 264 63.4 48.8 73.2

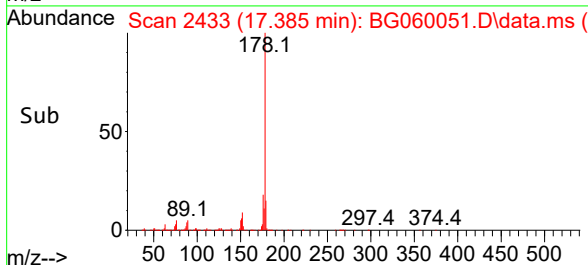
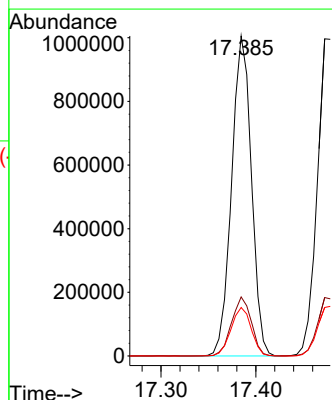
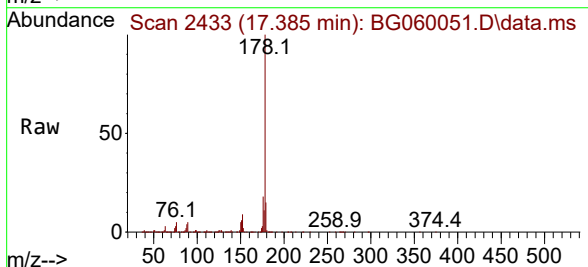
Manual Integrations  
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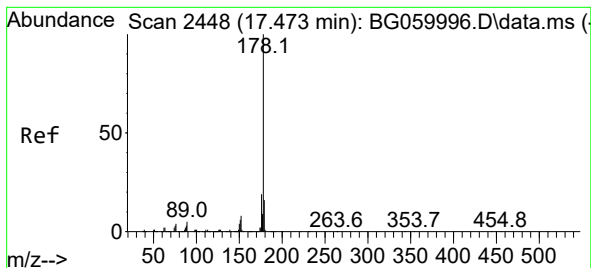
Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023



#71  
 Phenanthrene  
 Concen: 43.852 ng  
 RT: 17.385 min Scan# 2433  
 Delta R.T. -0.000 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

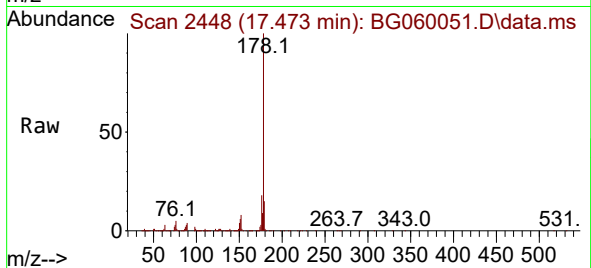
Tgt Ion:178 Resp: 1459467  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.6 23.4  
 179 15.2 12.6 19.0





#72  
 Anthracene  
 Concen: 44.658 ng  
 RT: 17.473 min Scan# 2448  
 Delta R.T. -0.000 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

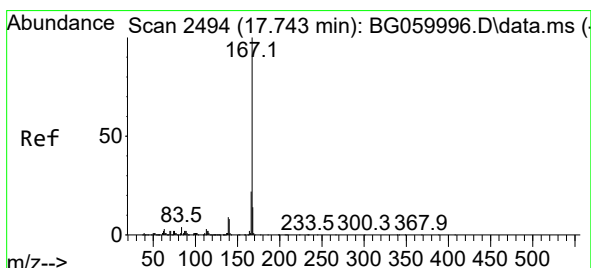
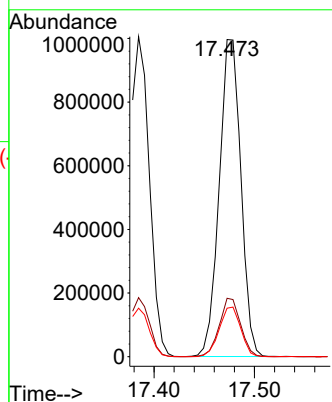
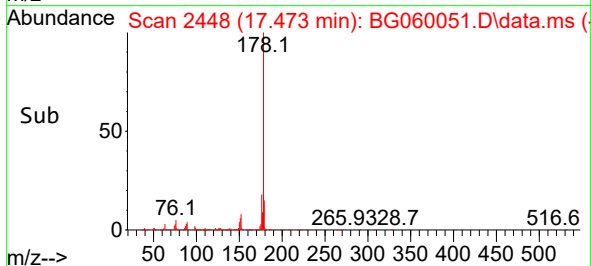
Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-P-2MSD



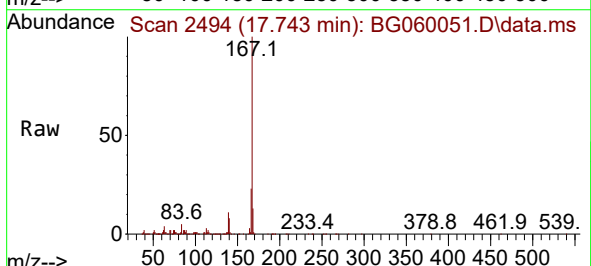
Tgt Ion:178 Resp: 1494379  
 Ion Ratio Lower Upper  
 178 100  
 176 18.4 15.0 22.6  
 179 15.3 12.6 19.0

Manual Integrations  
 APPROVED

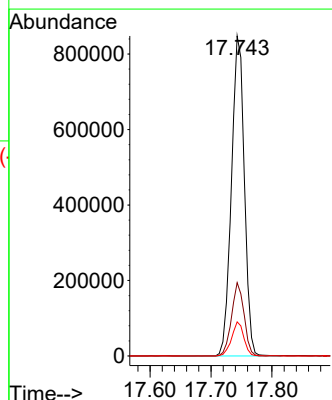
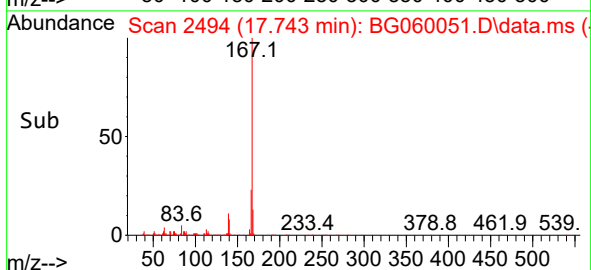
Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023

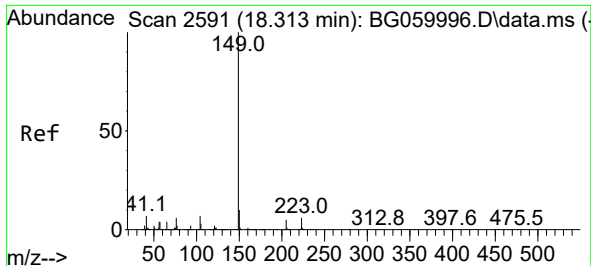


#73  
 Carbazole  
 Concen: 43.945 ng  
 RT: 17.743 min Scan# 2494  
 Delta R.T. -0.000 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59



Tgt Ion:167 Resp: 1249597  
 Ion Ratio Lower Upper  
 167 100  
 166 22.9 17.4 26.0  
 139 10.6 7.5 11.3





#74  
Di-n-butylphthalate  
Concen: 46.920 ng  
RT: 18.307 min Scan# 2591  
Delta R.T. -0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD

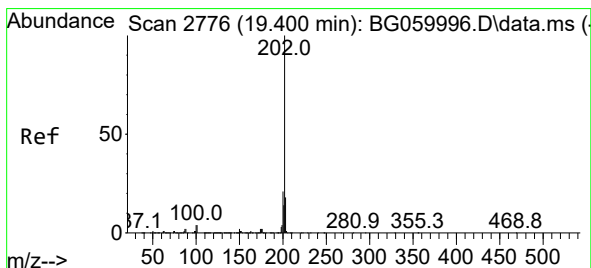
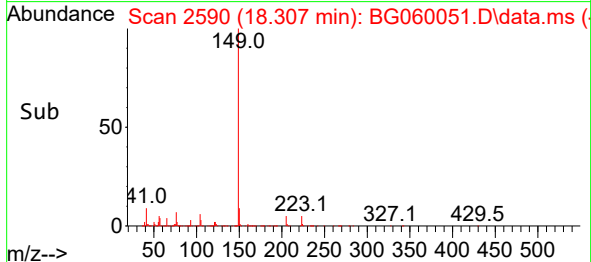
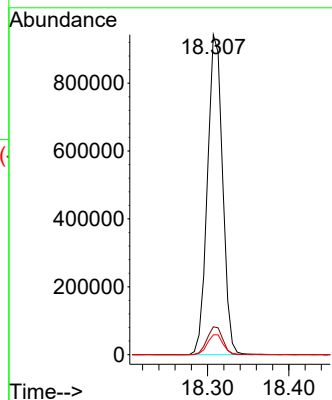
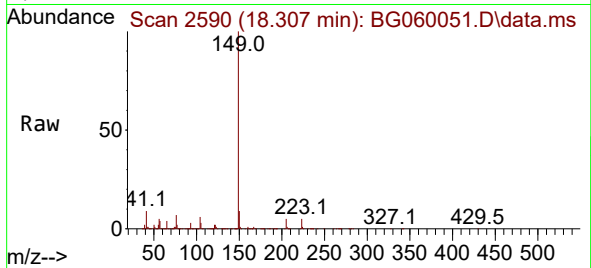
Tgt Ion:149 Resp: 1217118  
Ion Ratio Lower Upper  
149 100  
150 8.7 7.9 11.9  
104 6.2 5.6 8.4

Manual Integrations

APPROVED

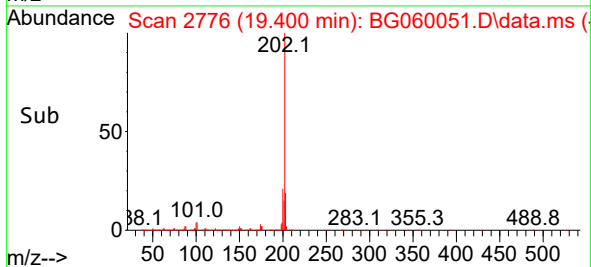
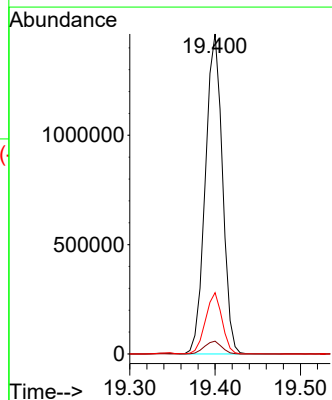
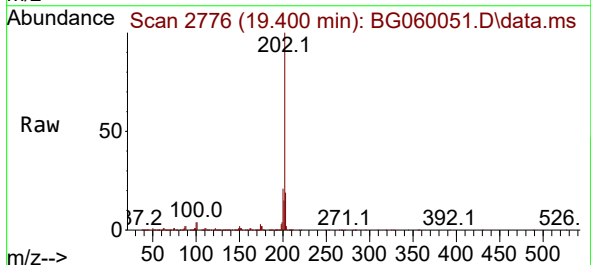
Reviewed By :Yogesh Patel 12/18/2023

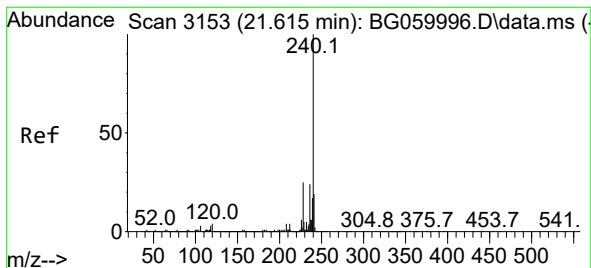
Supervised By :mohammad ahmed 12/18/2023



#75  
Fluoranthene  
Concen: 41.887 ng  
RT: 19.400 min Scan# 2776  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

Tgt Ion:202 Resp: 2034290  
Ion Ratio Lower Upper  
202 100  
101 4.0 0.0 24.2  
203 19.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.615 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD

Tgt Ion:240 Resp: 81459

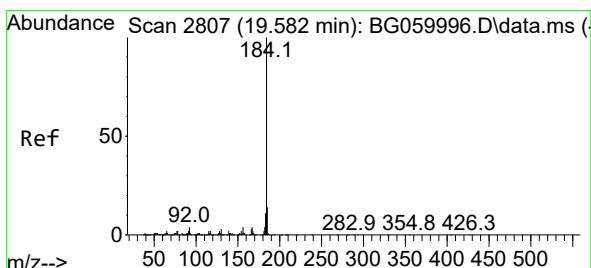
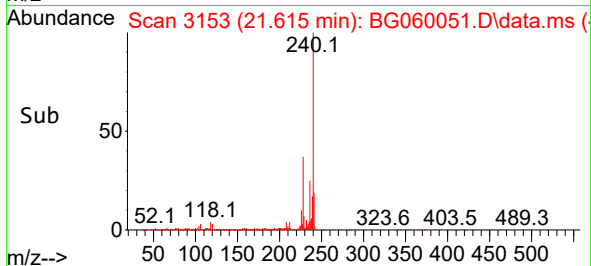
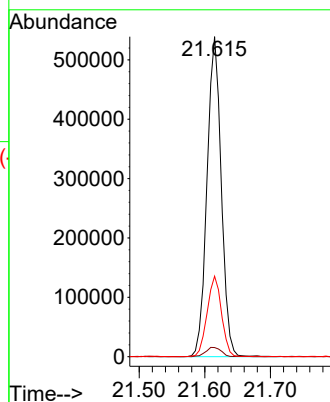
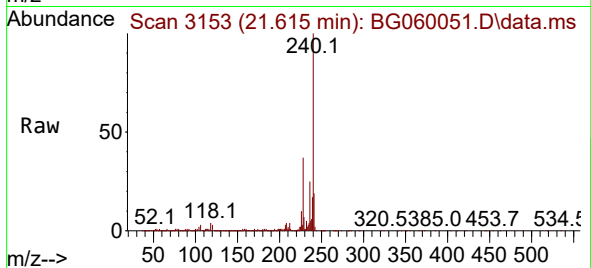
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 2.9   | 2.9   | 4.3   |
| 236 | 25.1  | 19.4  | 29.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2023

Supervised By :mohammad ahmed 12/18/2023



#77

Benzidine

Concen: 40.784 ng

RT: 19.576 min Scan# 2806

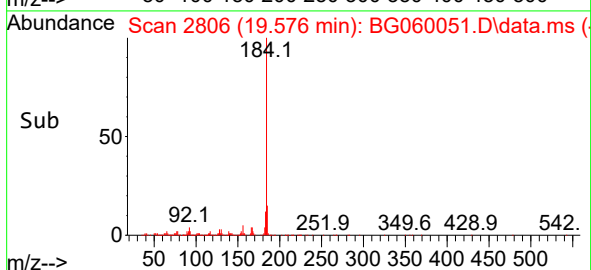
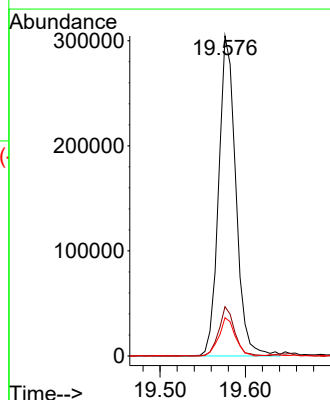
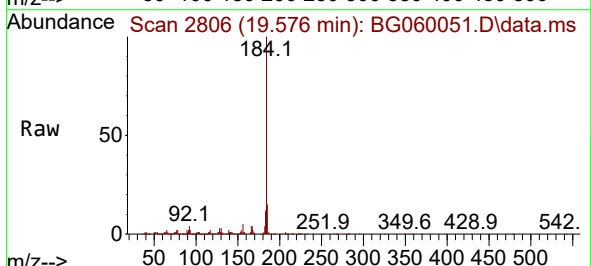
Delta R.T. -0.006 min

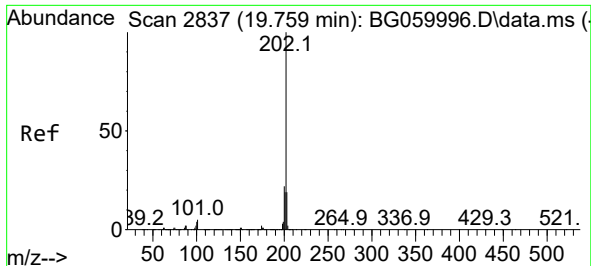
Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

Tgt Ion:184 Resp: 426733

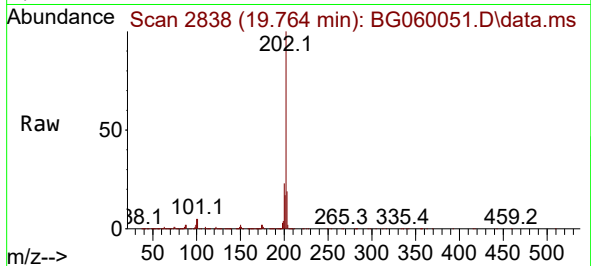
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 15.4  | 11.1  | 16.7  |
| 183 | 12.0  | 9.0   | 13.4  |





#78  
 Pyrene  
 Concen: 42.257 ng  
 RT: 19.764 min Scan# 2837  
 Delta R.T. 0.006 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

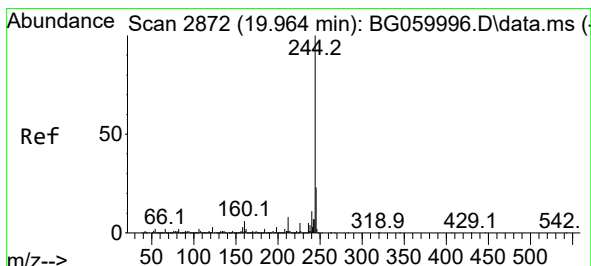
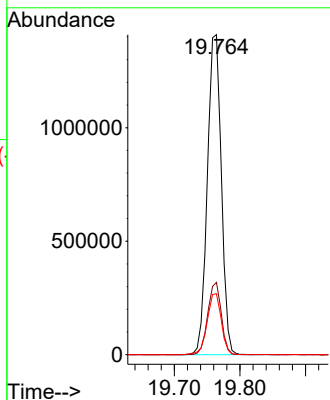
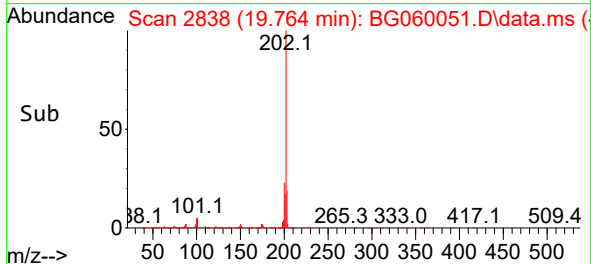
Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-P-2MSD



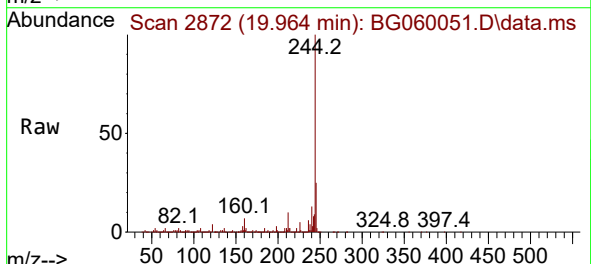
Tgt Ion:202 Resp: 2086634  
 Ion Ratio Lower Upper  
 202 100  
 200 22.6 17.6 26.4  
 203 19.0 14.9 22.3

Manual Integrations  
 APPROVED

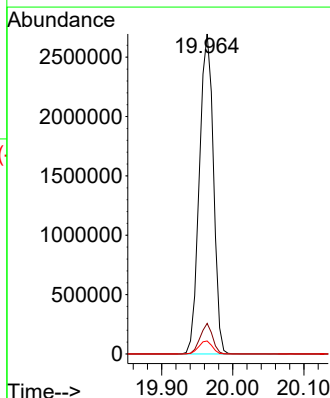
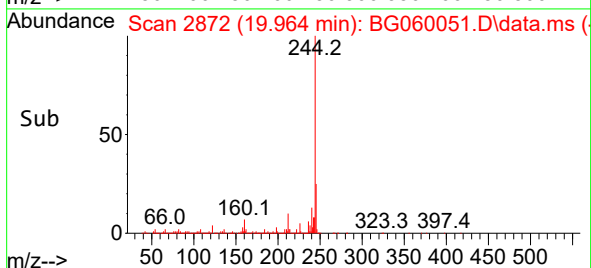
Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023

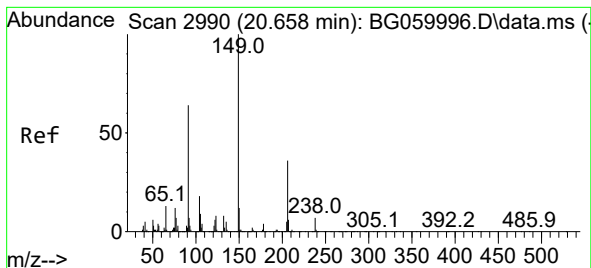


#79  
 Terphenyl-d14  
 Concen: 83.268 ng  
 RT: 19.964 min Scan# 2872  
 Delta R.T. -0.000 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59



Tgt Ion:244 Resp: 3715245  
 Ion Ratio Lower Upper  
 244 100  
 212 9.6 6.8 10.2  
 122 4.1 2.6 3.8





#80

Butylbenzylphthalate

Concen: 52.706 ng

RT: 20.657 min Scan# 2990

Delta R.T. -0.000 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD

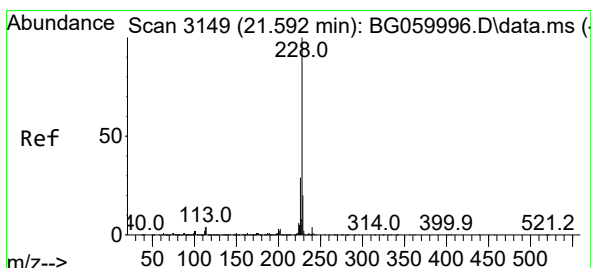
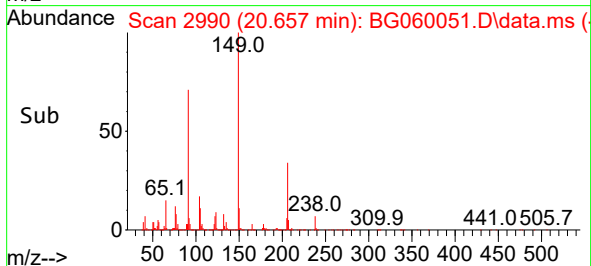
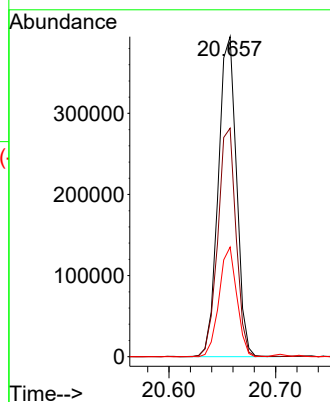
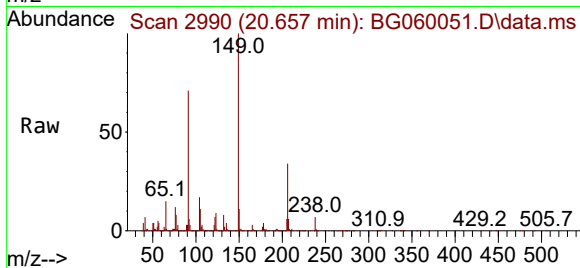
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 467425 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 71.4  | 51.3  | 76.9   |
| 206       | 34.3  | 28.8  | 43.2   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2023

Supervised By :mohammad ahmed 12/18/2023



#81

Benzo(a)anthracene

Concen: 42.765 ng

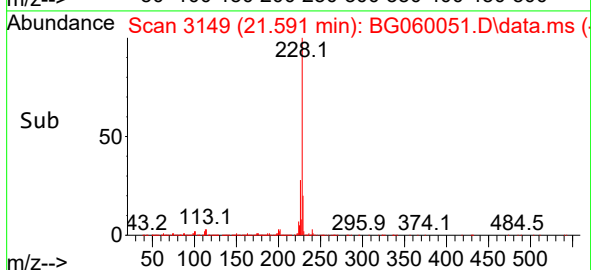
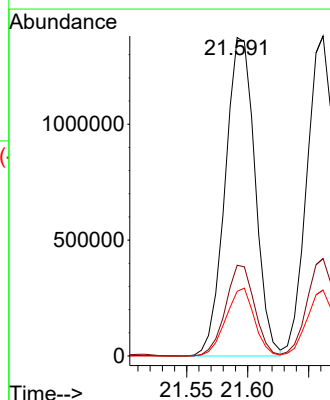
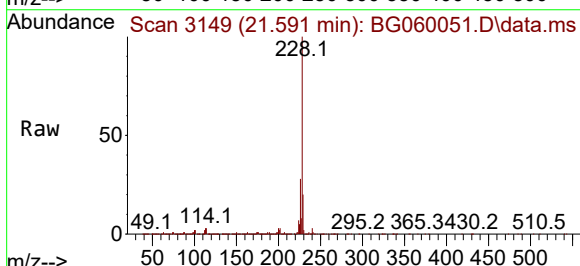
RT: 21.591 min Scan# 3149

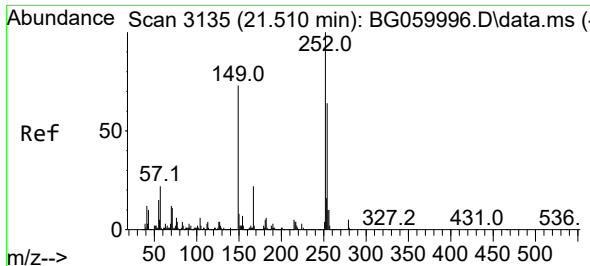
Delta R.T. -0.000 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

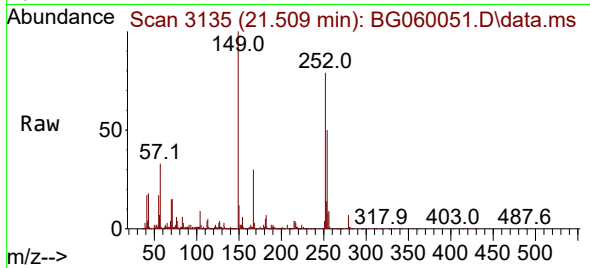
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 2340017 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 28.5  | 22.9  | 34.3    |
| 229       | 20.3  | 16.2  | 24.2    |





#82  
3,3'-Dichlorobenzidine  
Concen: 36.423 ng  
RT: 21.509 min Scan# 3135  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

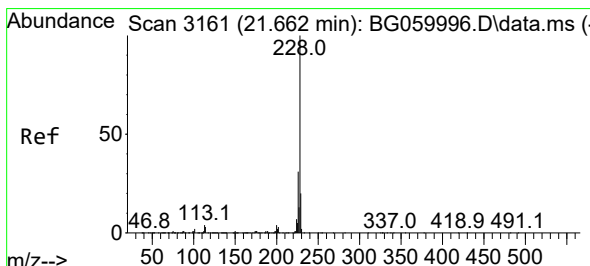
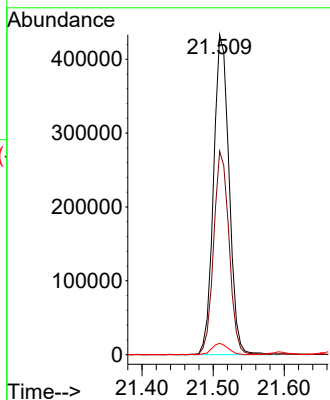
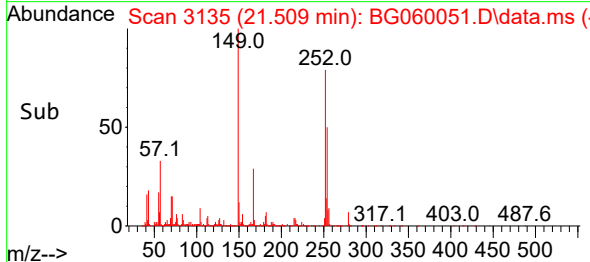
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



Tgt Ion:252 Resp: 65581  
Ion Ratio Lower Upper  
252 100  
254 63.6 51.0 76.4  
126 3.6 3.0 4.4

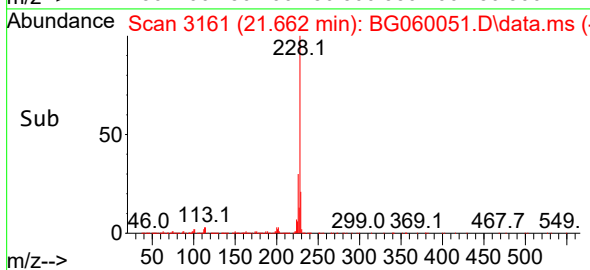
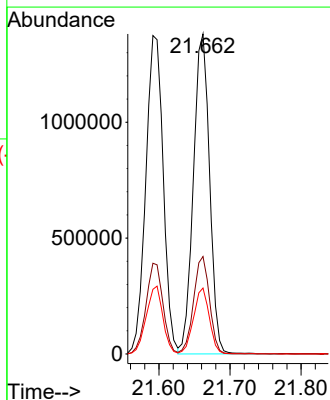
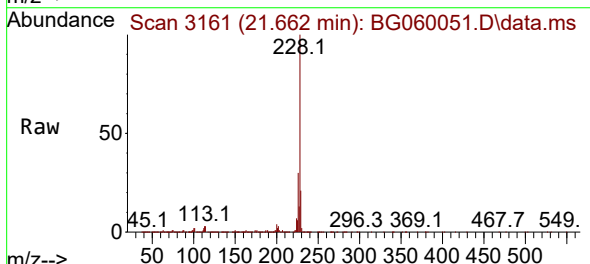
Manual Integrations  
APPROVED

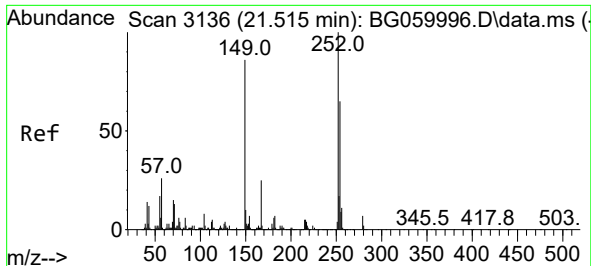
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#83  
Chrysene  
Concen: 42.153 ng  
RT: 21.662 min Scan# 3161  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

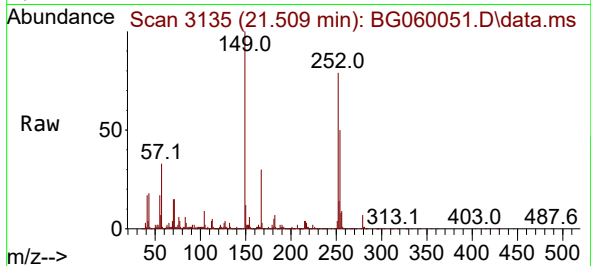
Tgt Ion:228 Resp: 2185225  
Ion Ratio Lower Upper  
228 100  
226 30.4 25.0 37.6  
229 20.6 16.2 24.2





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.528 ng  
RT: 21.509 min Scan# 3136  
Delta R.T. -0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

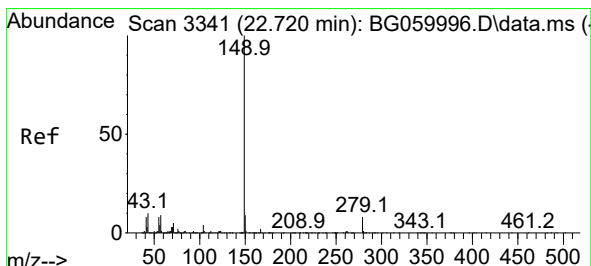
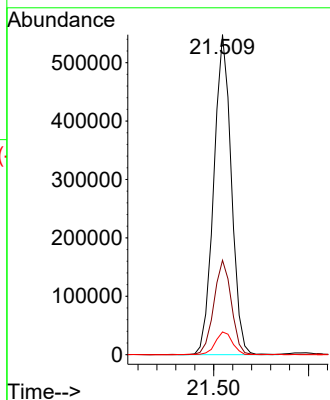
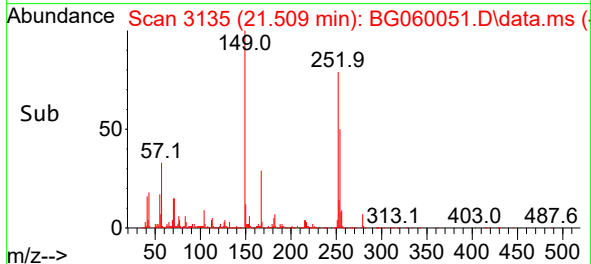
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



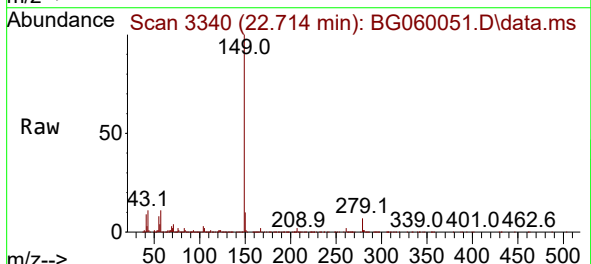
Tgt Ion:149 Resp: 706083  
Ion Ratio Lower Upper  
149 100  
167 29.5 23.0 34.6  
279 7.1 6.2 9.2

Manual Integrations  
APPROVED

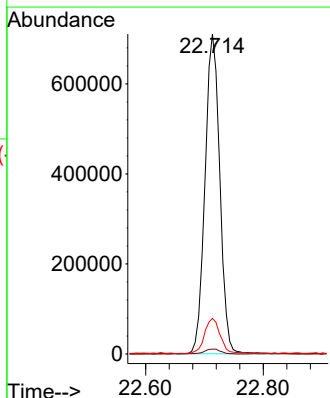
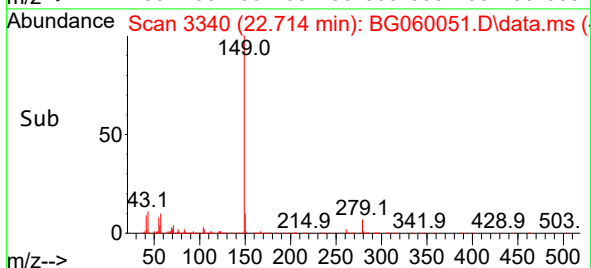
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

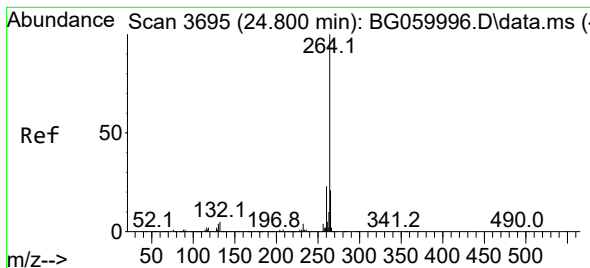


#85  
Di-n-octyl phthalate  
Concen: 53.307 ng  
RT: 22.714 min Scan# 3340  
Delta R.T. -0.006 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



Tgt Ion:149 Resp: 1239486  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.4 2.2  
43 11.7 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.799 min Scan# 30

Delta R.T. -0.000 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

Instrument :

BNA\_G

ClientSampleId :

597-P-2MSD

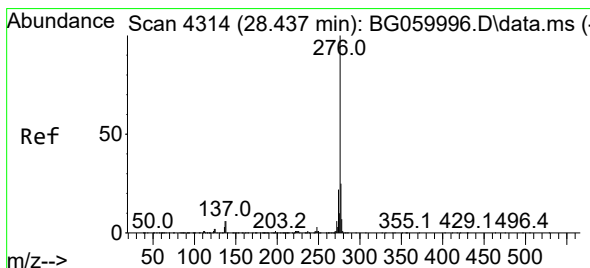
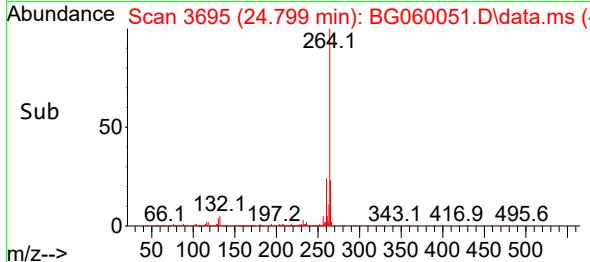
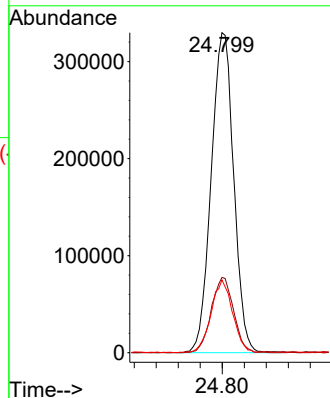
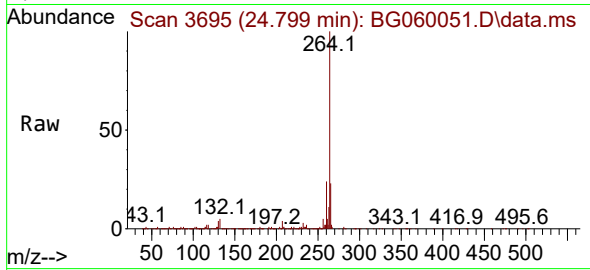
|             |             |
|-------------|-------------|
| Tgt Ion:264 | Resp: 93576 |
| Ion Ratio   | Lower Upper |
| 264 100     |             |
| 260 23.5    | 18.5 27.7   |
| 265 22.7    | 17.3 25.9   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2023

Supervised By :mohammad ahmed 12/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 43.227 ng

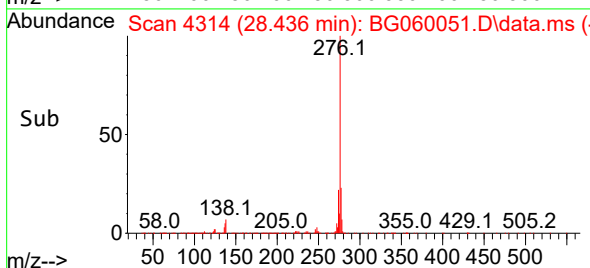
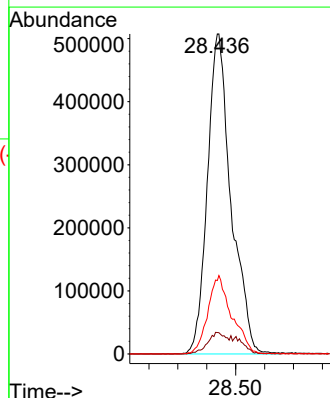
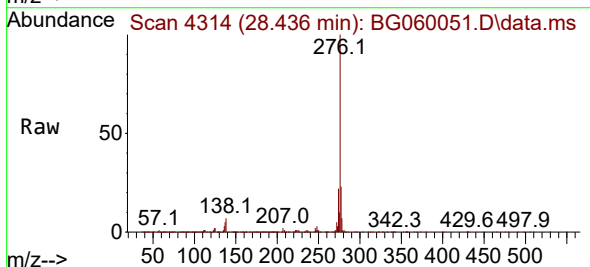
RT: 28.436 min Scan# 4314

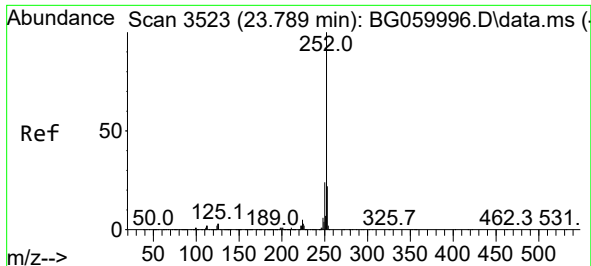
Delta R.T. -0.000 min

Lab File: BG060051.D

Acq: 16 Dec 2023 1:59

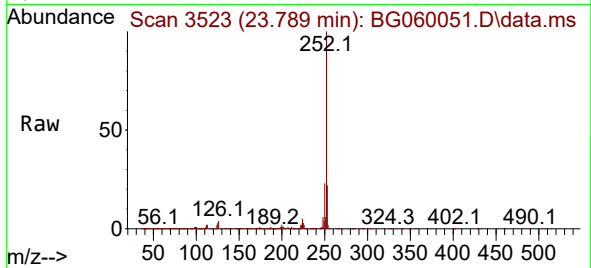
|             |               |
|-------------|---------------|
| Tgt Ion:276 | Resp: 2886844 |
| Ion Ratio   | Lower Upper   |
| 276 100     |               |
| 138 5.4     | 4.7 7.1       |
| 277 24.7    | 20.0 30.0     |





#88  
Benzo(b)fluoranthene  
Concen: 42.299 ng  
RT: 23.789 min Scan# 3523  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

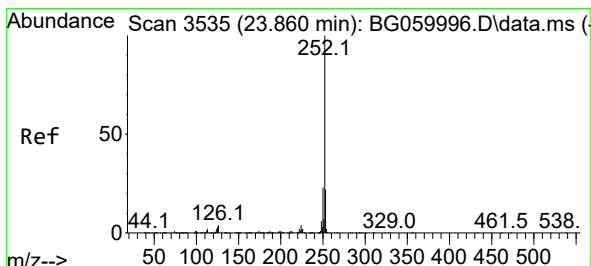
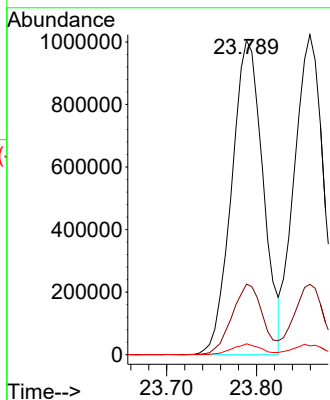
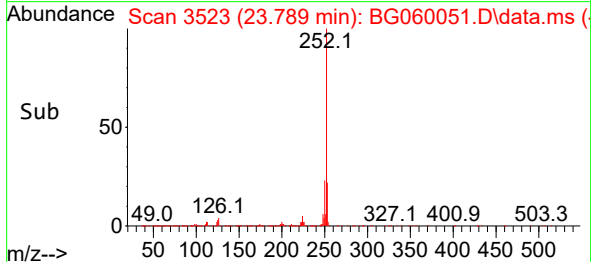
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



Tgt Ion:252 Resp: 2444579  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.2  
125 3.5 2.6 4.0

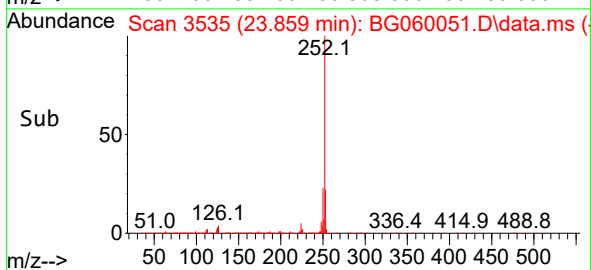
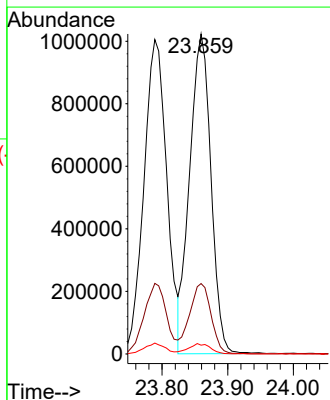
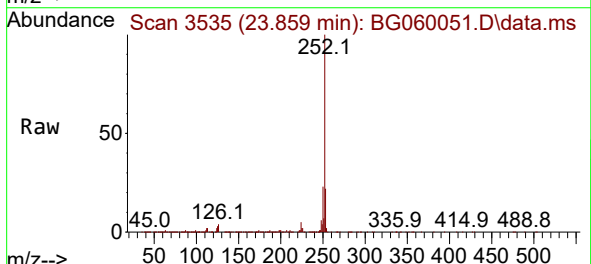
Manual Integrations  
APPROVED

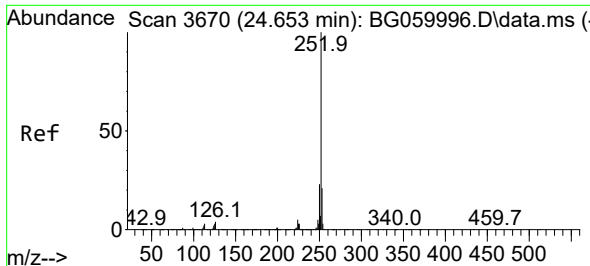
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023



#89  
Benzo(k)fluoranthene  
Concen: 41.117 ng  
RT: 23.859 min Scan# 3535  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

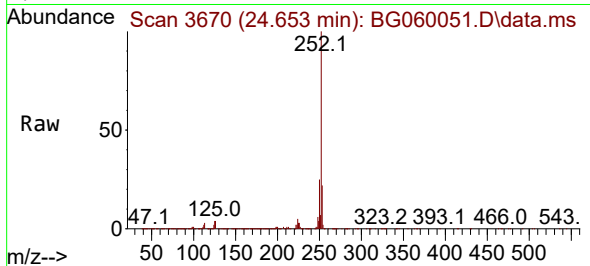
Tgt Ion:252 Resp: 2304884  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 2.7 2.5 3.7





#90  
Benzo(a)pyrene  
Concen: 41.462 ng  
RT: 24.653 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59

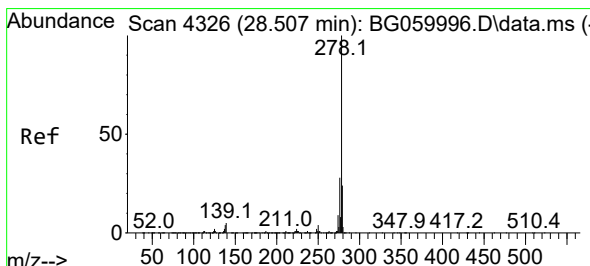
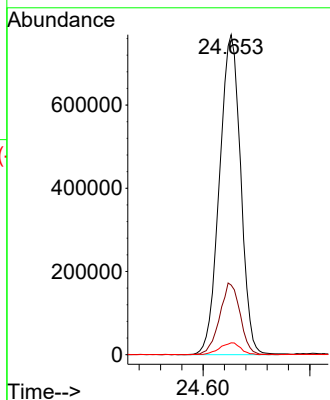
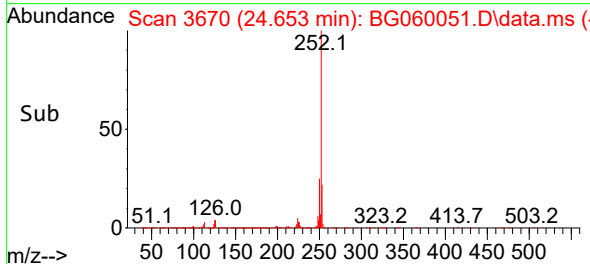
Instrument :  
BNA\_G  
ClientSampleId :  
597-P-2MSD



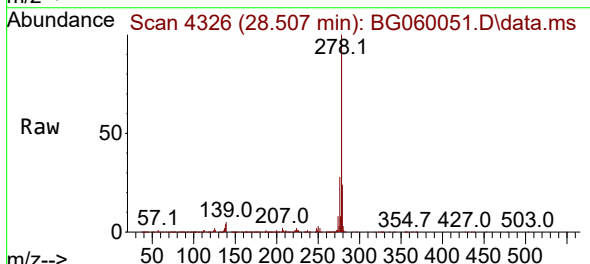
Tgt Ion:252 Resp: 2122978  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.1 25.7  
125 3.7 2.6 4.0

Manual Integrations  
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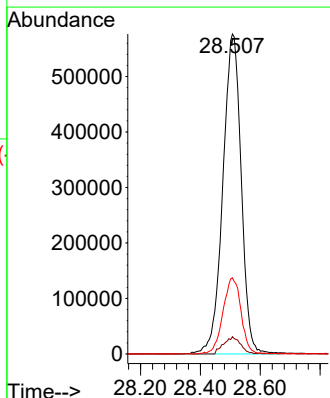
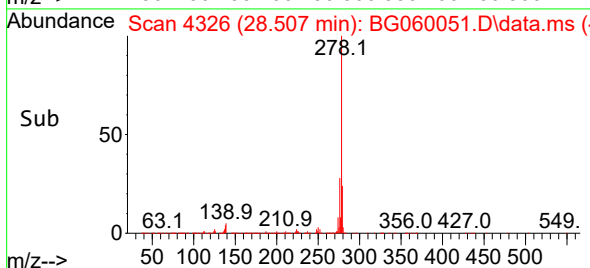
Reviewed By :Yogesh Patel 12/18/2023  
Supervised By :mohammad ahmed 12/18/2023

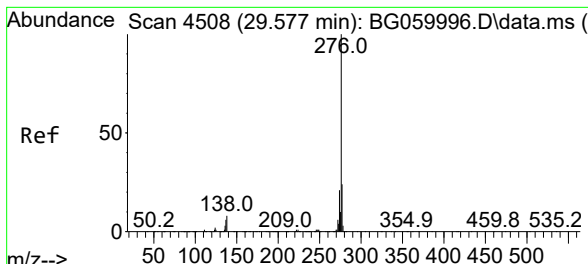


#91  
Dibenzo(a,h)anthracene  
Concen: 43.959 ng  
RT: 28.507 min Scan# 4326  
Delta R.T. -0.000 min  
Lab File: BG060051.D  
Acq: 16 Dec 2023 1:59



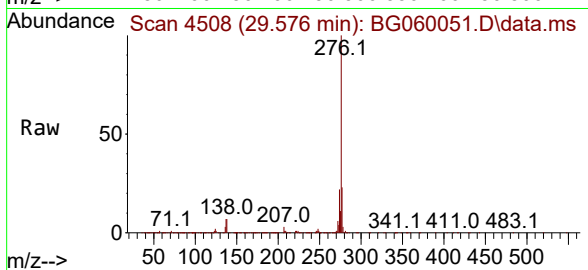
Tgt Ion:278 Resp: 2454891  
Ion Ratio Lower Upper  
278 100  
139 5.4 4.4 6.6  
279 23.8 19.4 29.2





#92  
 Benzo(g,h,i)perylene  
 Concen: 40.927 ng  
 RT: 29.576 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: BG060051.D  
 Acq: 16 Dec 2023 1:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 597-P-2MSD



Tgt Ion:276 Resp: 227342  
 Ion Ratio Lower Upper  
 276 100  
 277 23.3 19.4 29.2  
 138 7.5 6.0 9.0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/18/2023  
 Supervised By :mohammad ahmed 12/18/2023

