

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102925\  
 Data File : BG064627.D  
 Acq On : 29 Oct 2025 17:34  
 Operator : RC/JU  
 Sample : Q3419-02MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-132-S16-015094-20251021MS

Quant Time: Nov 04 06:46:08 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 03 18:16:26 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
 Supervised By :mohammad ahmed 11/05/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.216  | 152  | 30488    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.042 | 136  | 121320   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.838 | 164  | 93614    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.576 | 188  | 229619   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.853 | 240  | 271892   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.191 | 264  | 296767   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.749  | 112  | 173396   | 95.462  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.353  | 99   | 248444   | 99.678  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.380  | 82   | 155421   | 76.945  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.319 | 330  | 166810   | 123.459 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.469 | 172  | 372604   | 60.330  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.167 | 244  | 870859   | 60.445  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.581  | 88   | 32986    | 41.019  | ng    | 99       |
| 3) Pyridine                   | 3.992  | 79   | 91699    | 37.972  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.898  | 42   | 64506    | 49.810  | ng    | 98       |
| 6) Aniline                    | 7.529  | 93   | 110647   | 32.624  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.776  | 128  | 100885   | 53.064  | ng    | 94       |
| 9) Benzaldehyde               | 7.335  | 77   | 47095    | 34.610  | ng    | 96       |
| 10) Phenol                    | 7.382  | 94   | 133081   | 48.280  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.623  | 93   | 91218    | 45.010  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 8.111  | 146  | 106607   | 48.719  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 8.257  | 146  | 108820   | 48.908  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.575  | 146  | 107105   | 49.907  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.445  | 79   | 100831   | 49.058  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.745  | 45   | 245238   | 46.132  | ng    | 99       |
| 17) 2-Methylphenol            | 8.645  | 107  | 92198    | 50.378  | ng    | 96       |
| 18) Hexachloroethane          | 9.321  | 117  | 40540    | 51.921  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 9.021  | 70   | 83332    | 48.377  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.974  | 107  | 125652   | 48.821  | ng    | 98       |
| 22) Acetophenone              | 9.039  | 105  | 180237   | 54.347  | ng    | 95       |
| 24) Nitrobenzene              | 9.421  | 77   | 121561   | 55.332  | ng    | 95       |
| 25) Isophorone                | 9.955  | 82   | 240580   | 49.637  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.138 | 139  | 54118    | 62.810  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.196 | 122  | 103937   | 57.650  | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 10.431 | 93   | 132986   | 48.190  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.678 | 162  | 109647   | 56.512  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.901 | 180  | 120137   | 54.496  | ng    | 96       |
| 31) Naphthalene               | 11.095 | 128  | 328094   | 48.777  | ng    | 100      |
| 32) Benzoic acid              | 10.320 | 122  | 89978    | 62.736  | ng    | 90       |
| 33) 4-Chloroaniline           | 11.183 | 127  | 56519    | 21.618  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.383 | 225  | 89758    | 52.062  | ng    | 93       |
| 35) Caprolactam               | 11.947 | 113  | 37506m   | 50.400  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.288 | 107  | 122640   | 52.585  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.688 | 142  | 224108   | 45.380  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.905 | 142  | 231684   | 47.390  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 13.046 | 216  | 181893   | 57.895  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.034 | 237  | 218323   | 154.388 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.275 | 196  | 105398   | 58.649  | ng    | 97       |

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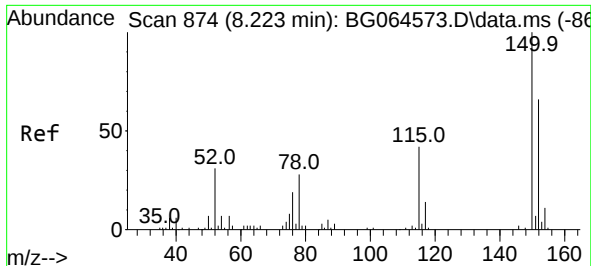
Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
 Supervised By :mohammad ahmed 11/05/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.346 | 196  | 114236   | 55.084  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.680 | 154  | 374605   | 56.287  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.722 | 162  | 251555   | 50.074  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.910 | 65   | 95513    | 56.055  | ng    | 95       |
| 49) Acenaphthylene            | 14.568 | 152  | 452550   | 57.112  | ng    | 99       |
| 50) Dimethylphthalate         | 14.286 | 163  | 362240   | 50.569  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.397 | 165  | 72717    | 60.623  | ng    | 97       |
| 52) Acenaphthene              | 14.903 | 154  | 312776   | 57.775  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.720 | 138  | 50027    | 40.637  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.926 | 184  | 99300    | 132.948 | ng    | # 46     |
| 55) Dibenzofuran              | 15.237 | 168  | 444561   | 50.793  | ng    | 100      |
| 56) 4-Nitrophenol             | 15.020 | 139  | 139148   | 121.914 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 15.179 | 165  | 108193   | 58.491  | ng    | 99       |
| 58) Fluorene                  | 15.884 | 166  | 345737   | 50.581  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.455 | 232  | 122956   | 62.001  | ng    | 99       |
| 60) Diethylphthalate          | 15.643 | 149  | 365971   | 50.036  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.872 | 204  | 195464   | 50.956  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.884 | 138  | 81463    | 59.481  | ng    | 93       |
| 63) Azobenzene                | 16.160 | 77   | 358981   | 53.492  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 15.943 | 198  | 67553    | 64.726  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 16.078 | 169  | 317977   | 51.265  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.765 | 248  | 141564   | 52.025  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.888 | 284  | 160884   | 51.826  | ng    | 96       |
| 69) Atrazine                  | 17.018 | 200  | 146978   | 55.064  | ng    | 99       |
| 70) Pentachlorophenol         | 17.223 | 266  | 220117   | 113.709 | ng    | 96       |
| 71) Phenanthrene              | 17.623 | 178  | 634368   | 50.519  | ng    | 99       |
| 72) Anthracene                | 17.711 | 178  | 639545   | 50.069  | ng    | 100      |
| 73) Carbazole                 | 17.970 | 167  | 577061   | 51.232  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.528 | 149  | 670737   | 51.496  | ng    | 98       |
| 75) Fluoranthene              | 19.615 | 202  | 802773   | 51.033  | ng    | 98       |
| 77) Benzidine                 | 19.779 | 184  | 255069   | 41.873  | ng    | 98       |
| 78) Pyrene                    | 19.973 | 202  | 842015   | 47.400  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.849 | 149  | 309969   | 57.734  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.836 | 228  | 915343   | 50.774  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.736 | 252  | 166879   | 27.720  | ng    | 96       |
| 83) Chrysene                  | 21.900 | 228  | 868130   | 50.608  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.742 | 149  | 450725   | 56.183  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.999 | 149  | 774721   | 57.277  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.033 | 276  | 1117747  | 51.200  | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.133 | 252  | 914206   | 50.237  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.209 | 252  | 937496   | 51.482  | ng    | 97       |
| 90) Benzo(a)pyrene            | 25.044 | 252  | 883679   | 52.828  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.109 | 278  | 916893   | 51.696  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.232 | 276  | 889128   | 52.478  | ng    | 99       |

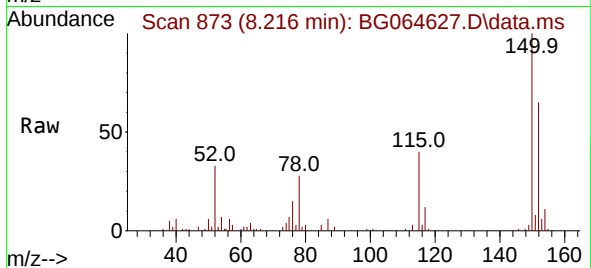
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.216 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

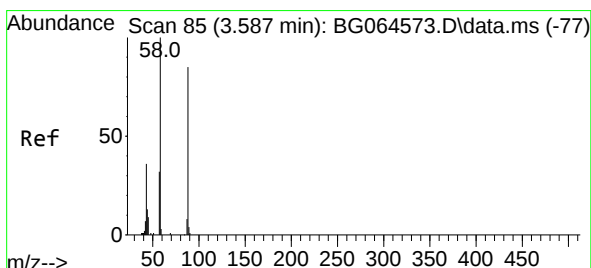
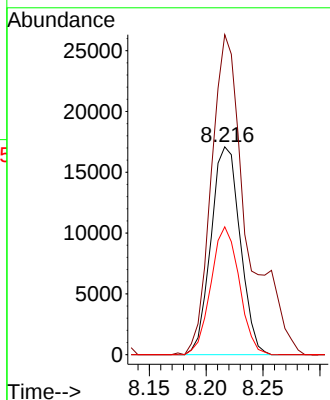
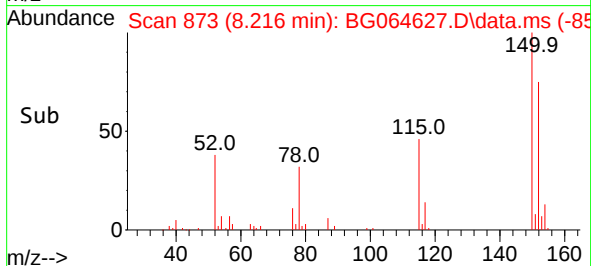
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:152 Resp: 3048  
Ion Ratio Lower Upper  
152 100  
150 153.9 122.2 183.4  
115 61.5 50.8 76.2

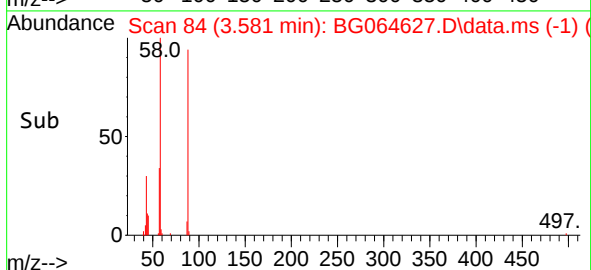
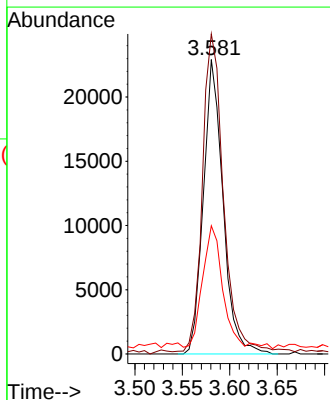
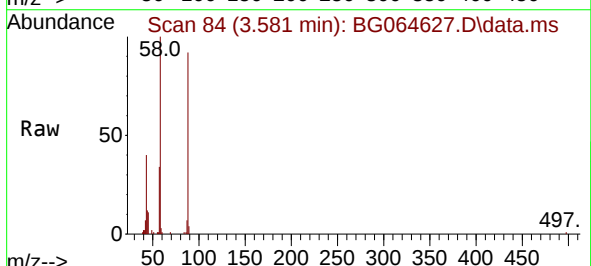
Manual Integrations  
APPROVED

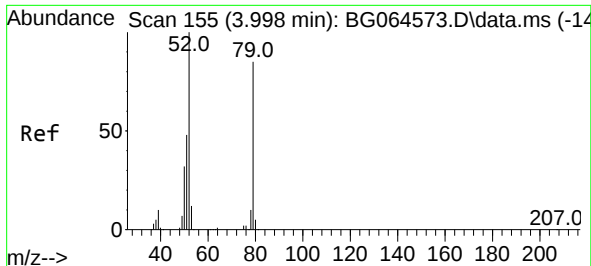
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#2  
1,4-Dioxane  
Concen: 41.019 ng  
RT: 3.581 min Scan# 84  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

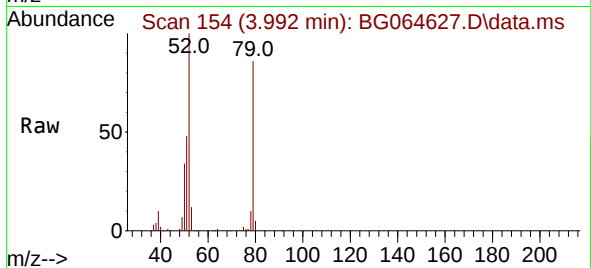
Tgt Ion: 88 Resp: 32986  
Ion Ratio Lower Upper  
88 100  
58 115.1 92.4 138.6  
43 44.0 33.0 49.6





#3  
Pyridine  
Concen: 37.972 ng  
RT: 3.992 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

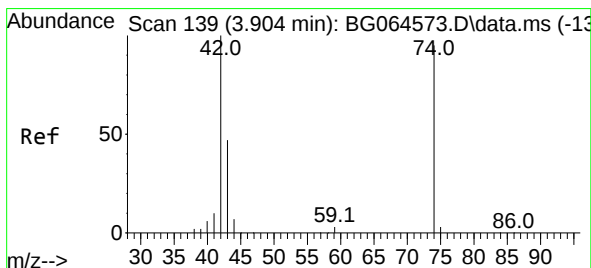
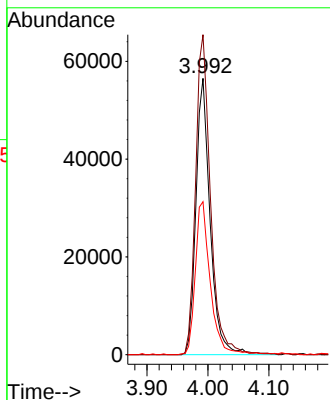
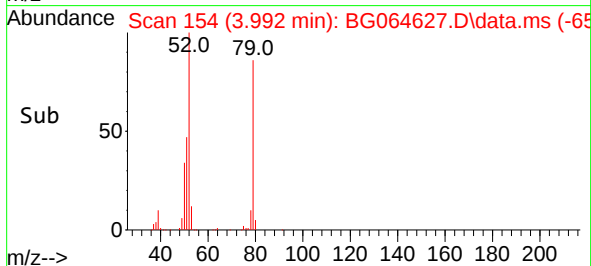
Instrument :  
BNA\_G  
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PR-132-S16-015094-20251021MS



Tgt Ion: 79 Resp: 9169  
Ion Ratio Lower Upper  
79 100  
52 115.8 94.2 141.2  
51 55.3 46.1 69.1

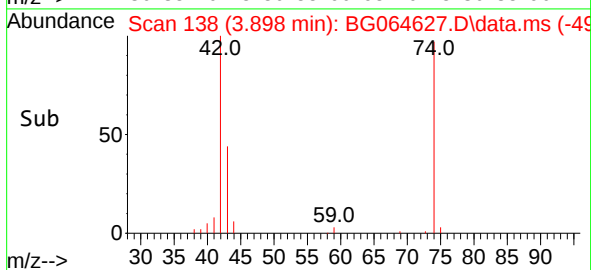
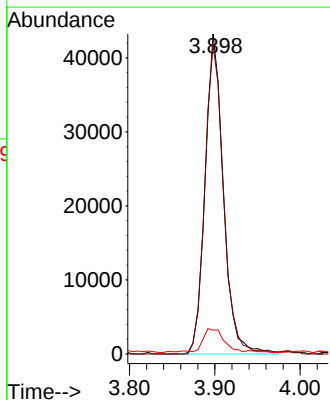
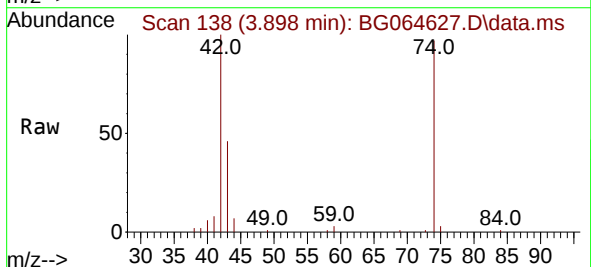
Manual Integrations  
APPROVED

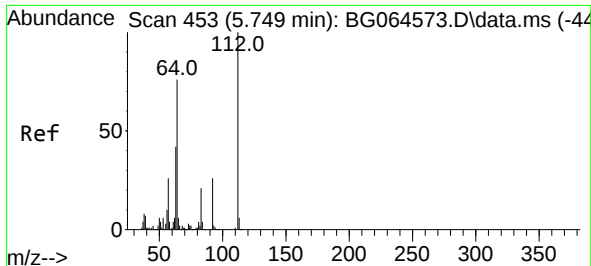
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#4  
n-Nitrosodimethylamine  
Concen: 49.810 ng  
RT: 3.898 min Scan# 138  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

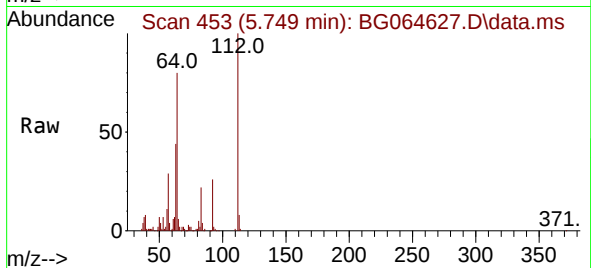
Tgt Ion: 42 Resp: 64506  
Ion Ratio Lower Upper  
42 100  
74 96.6 76.1 114.1  
44 7.4 6.3 9.5





#5  
2-Fluorophenol  
Concen: 95.462 ng  
RT: 5.749 min Scan# 453  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

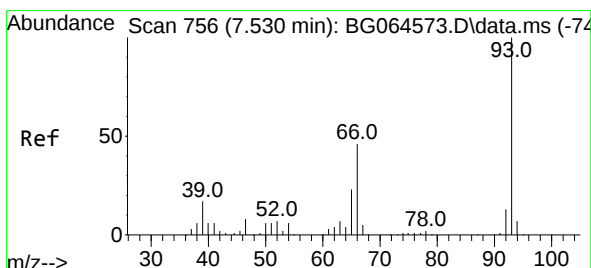
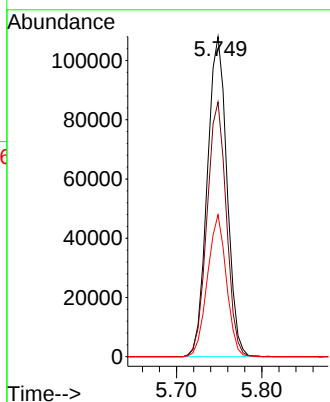
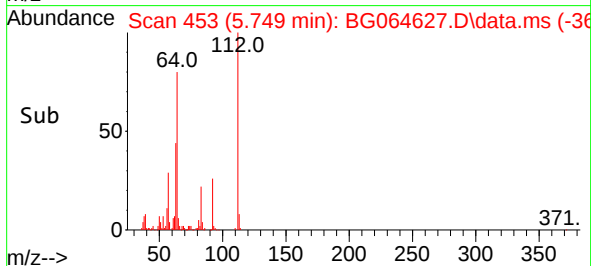
Instrument :  
BNA\_G  
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PR-132-S16-015094-20251021MS



Tgt Ion: 112 Resp: 173390  
Ion Ratio Lower Upper  
112 100  
64 79.6 60.7 91.1  
63 44.4 33.4 50.0

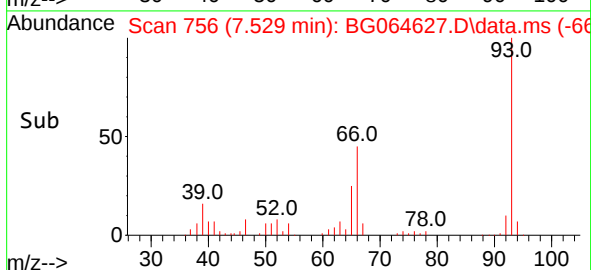
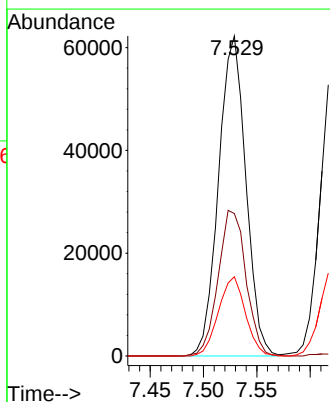
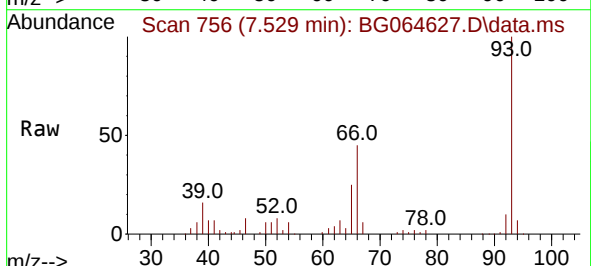
Manual Integrations  
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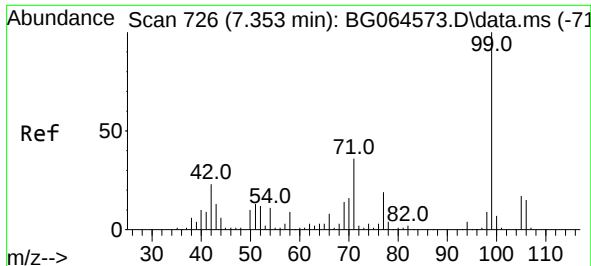
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#6  
Aniline  
Concen: 32.624 ng  
RT: 7.529 min Scan# 756  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

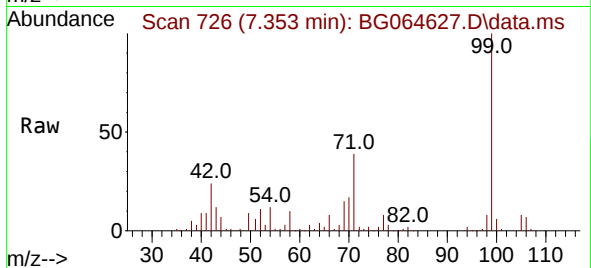
Tgt Ion: 93 Resp: 110647  
Ion Ratio Lower Upper  
93 100  
66 44.5 37.0 55.6  
65 24.7 18.3 27.5





#7  
Phenol-d6  
Concen: 99.678 ng  
RT: 7.353 min Scan# 726  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

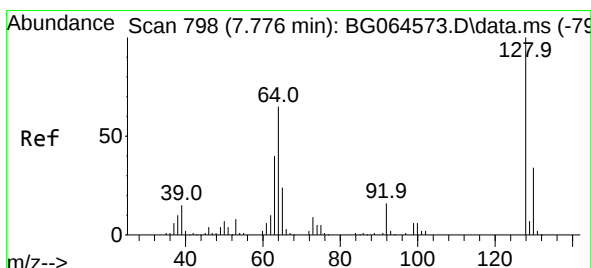
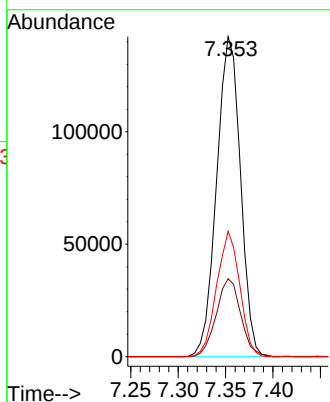
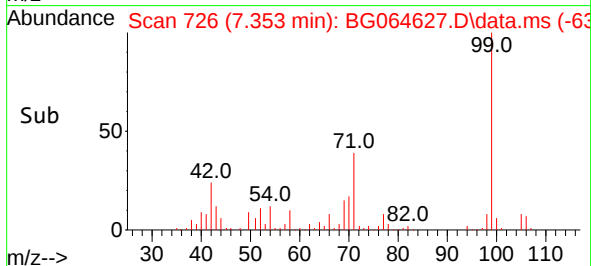
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion: 99 Resp: 248444  
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71 39.2 28.6 43.0

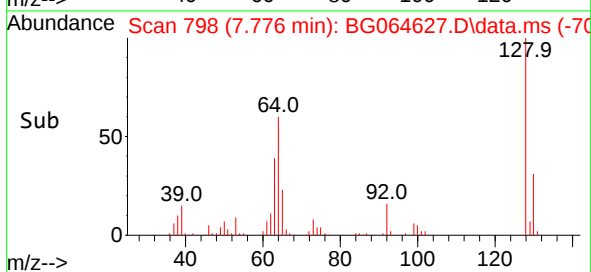
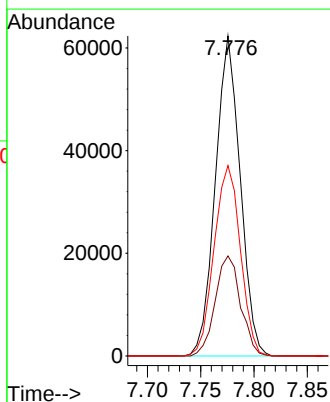
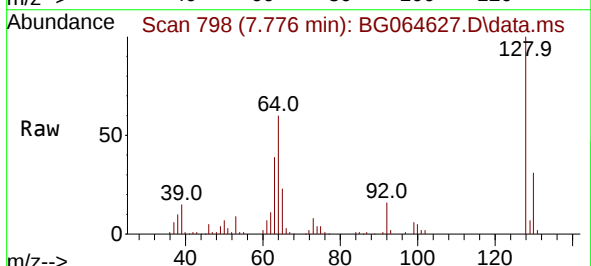
Manual Integrations  
APPROVED

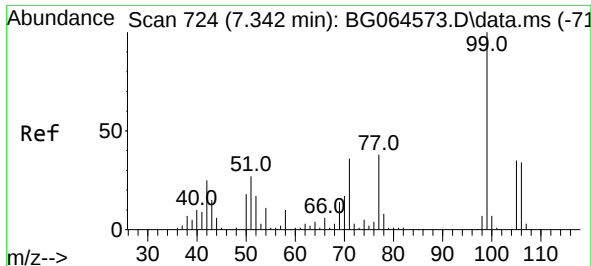
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#8  
2-Chlorophenol  
Concen: 53.064 ng  
RT: 7.776 min Scan# 798  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

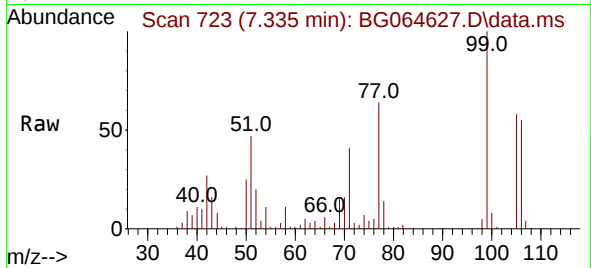
Tgt Ion:128 Resp: 100885  
Ion Ratio Lower Upper  
128 100  
130 31.3 13.5 53.5  
64 59.5 45.2 85.2





#9  
Benzaldehyde  
Concen: 34.610 ng  
RT: 7.335 min Scan# 710  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

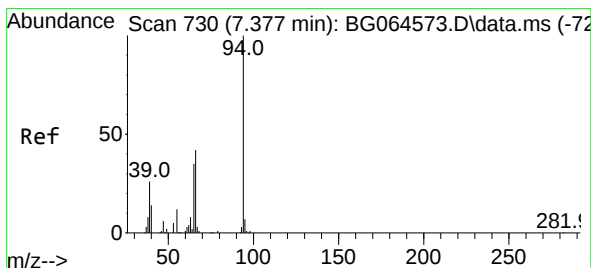
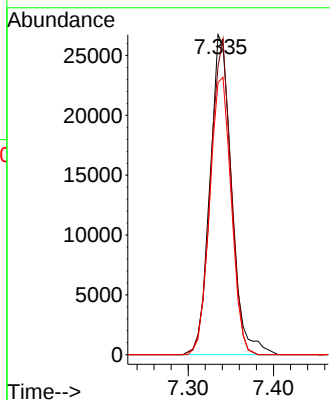
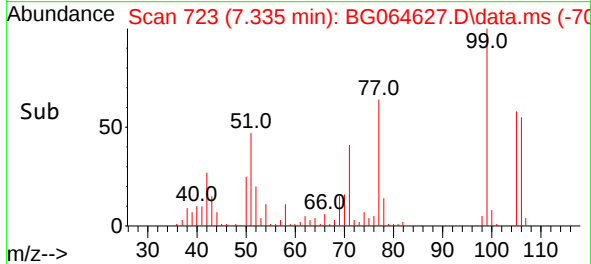
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



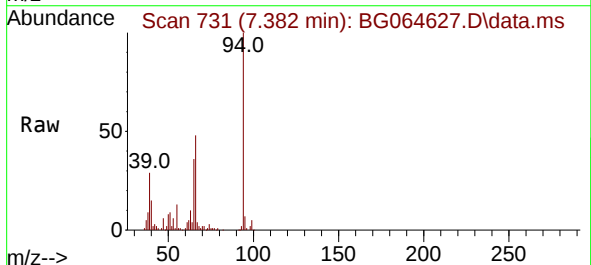
Tgt Ion: 77 Resp: 47095  
Ion Ratio Lower Upper  
77 100  
105 90.0 72.9 112.9  
106 85.1 70.8 110.8

Manual Integrations  
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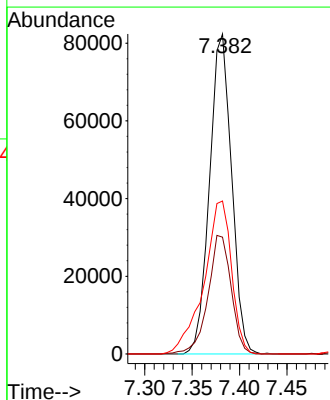
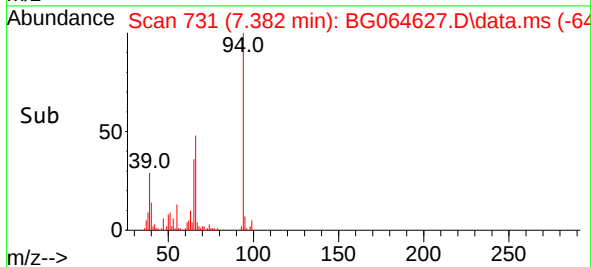
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#10  
Phenol  
Concen: 48.280 ng  
RT: 7.382 min Scan# 731  
Delta R.T. 0.005 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



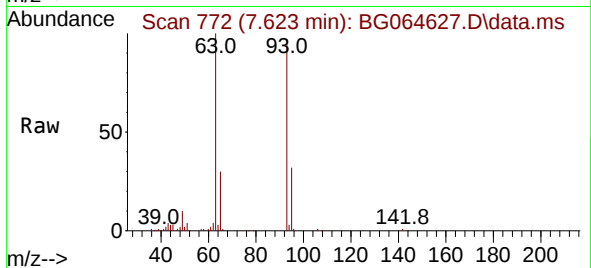
Tgt Ion: 94 Resp: 133081  
Ion Ratio Lower Upper  
94 100  
65 36.5 15.8 55.8  
66 47.8 24.0 64.0





#11  
bis(2-Chloroethyl)ether  
Concen: 45.010 ng  
RT: 7.623 min Scan# 772  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

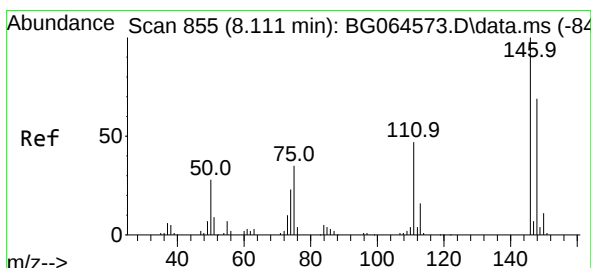
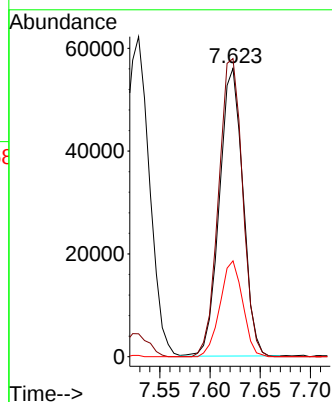
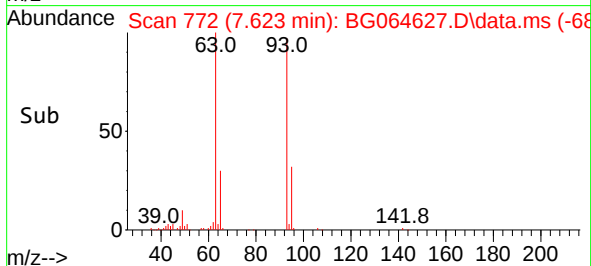
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion: 93 Resp: 91218  
Ion Ratio Lower Upper  
93 100  
63 103.4 91.3 131.3  
95 33.3 13.3 53.3

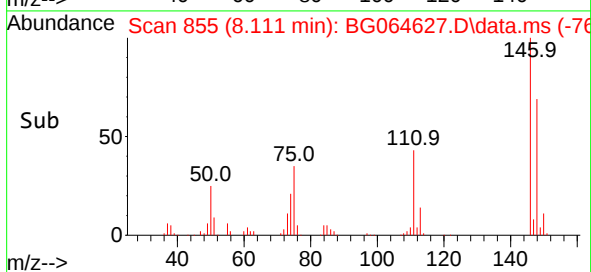
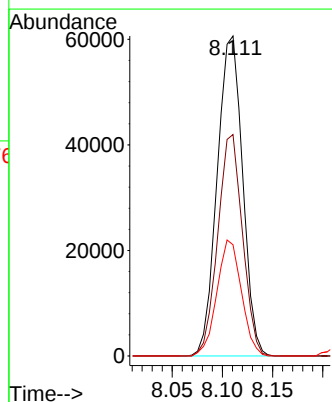
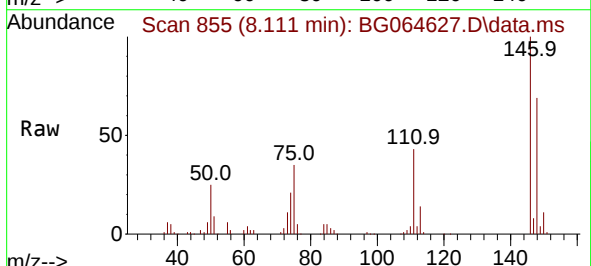
Manual Integrations  
APPROVED

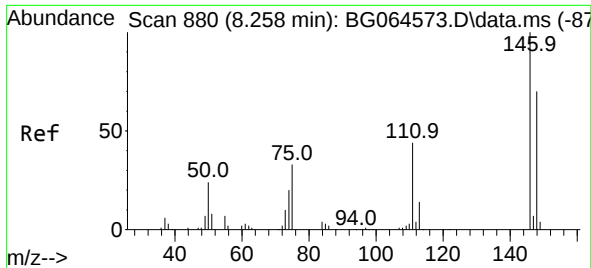
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#12  
1,3-Dichlorobenzene  
Concen: 48.719 ng  
RT: 8.111 min Scan# 855  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

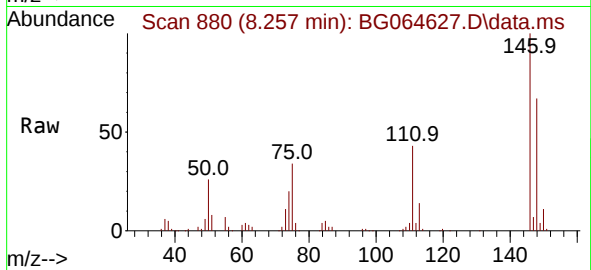
Tgt Ion:146 Resp: 106607  
Ion Ratio Lower Upper  
146 100  
148 69.2 55.3 82.9  
75 34.8 28.2 42.2





#13  
1,4-Dichlorobenzene  
Concen: 48.908 ng  
RT: 8.257 min Scan# 811  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

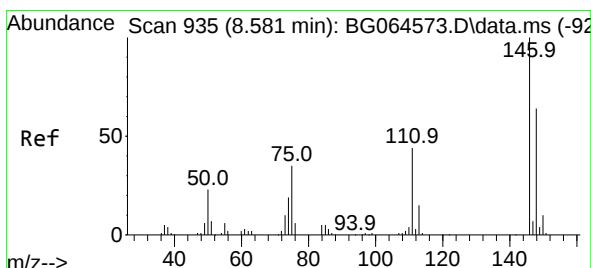
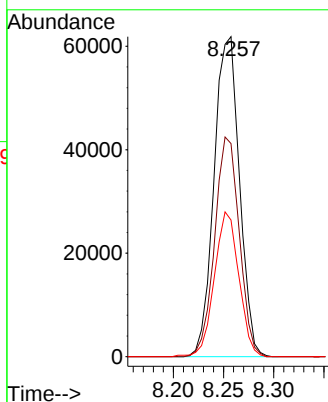
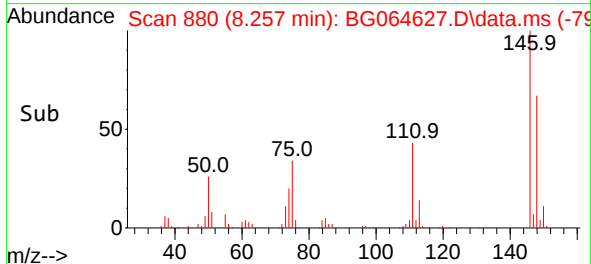
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



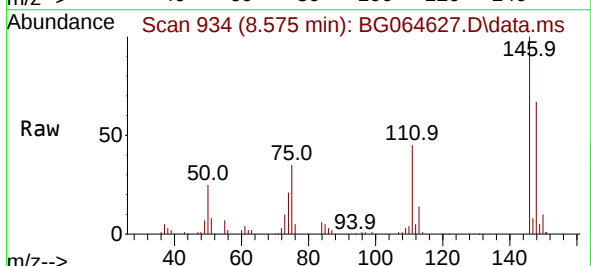
Tgt Ion:146 Resp: 108820  
Ion Ratio Lower Upper  
146 100  
148 66.6 56.2 84.4  
111 42.7 35.4 53.0

Manual Integrations  
APPROVED

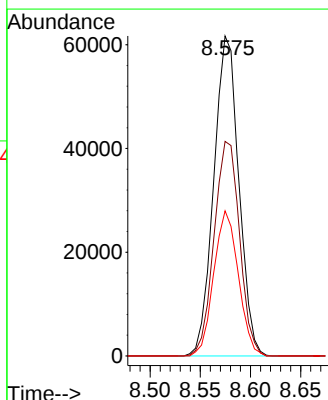
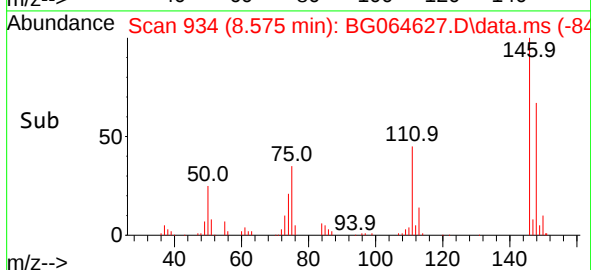
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#14  
1,2-Dichlorobenzene  
Concen: 49.907 ng  
RT: 8.575 min Scan# 934  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



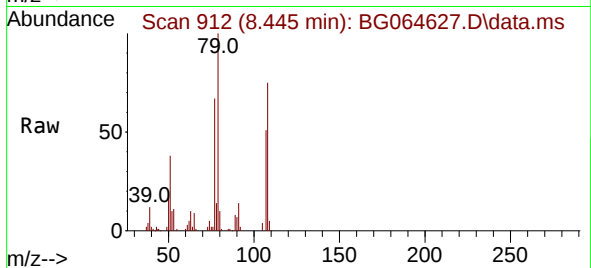
Tgt Ion:146 Resp: 107105  
Ion Ratio Lower Upper  
146 100  
148 67.1 51.5 77.3  
111 45.3 35.0 52.6





#15  
Benzyl Alcohol  
Concen: 49.058 ng  
RT: 8.445 min Scan# 912  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

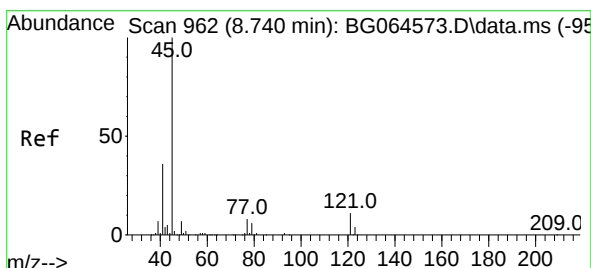
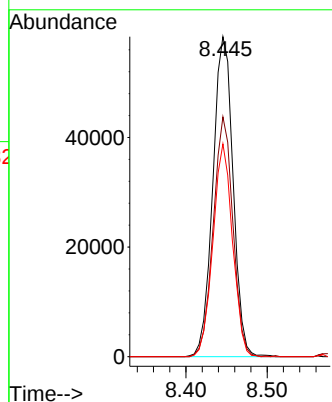
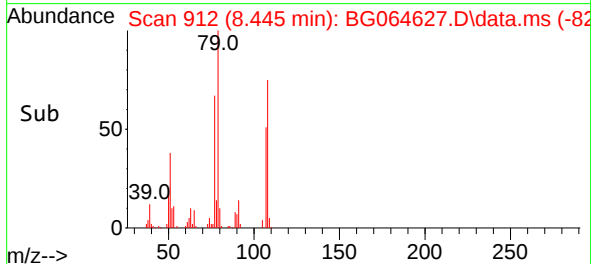
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion: 79 Resp: 10083  
Ion Ratio Lower Upper  
79 100  
108 75.0 58.1 87.1  
77 66.5 52.8 79.2

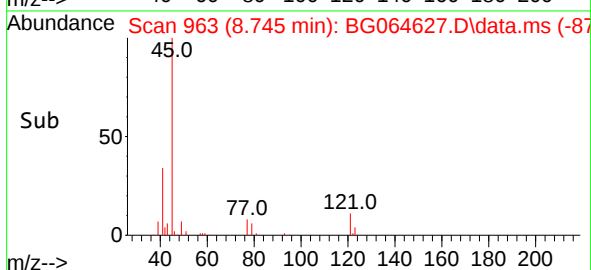
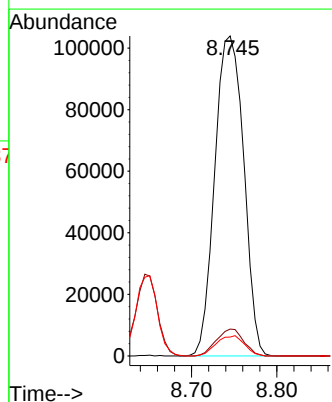
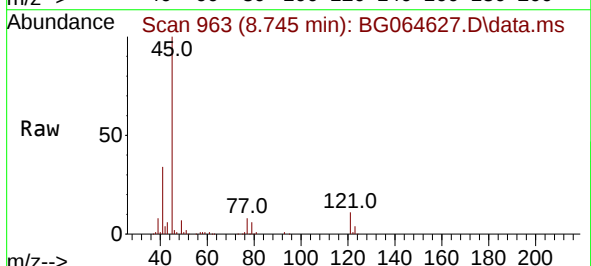
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.132 ng  
RT: 8.745 min Scan# 963  
Delta R.T. 0.005 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

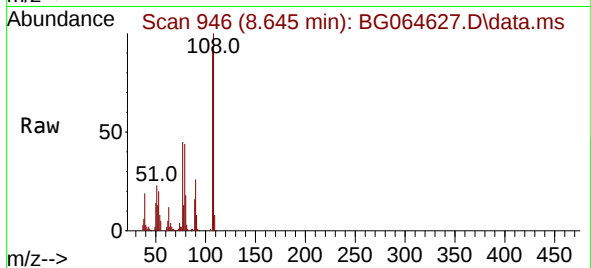
Tgt Ion: 45 Resp: 245238  
Ion Ratio Lower Upper  
45 100  
77 8.4 0.0 28.5  
79 5.9 0.0 25.6





#17  
2-Methylphenol  
Concen: 50.378 ng  
RT: 8.645 min Scan# 947  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS

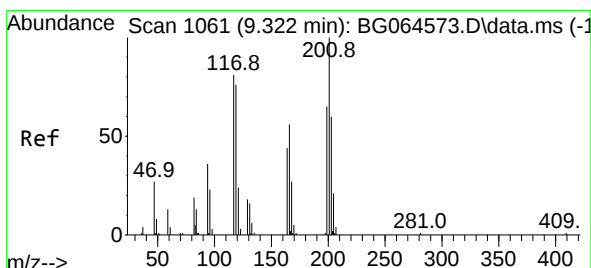
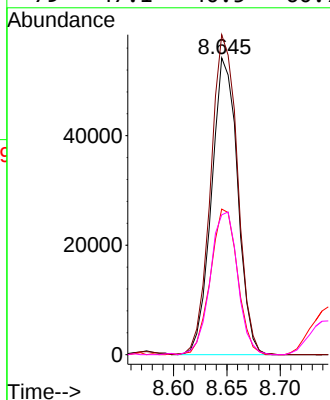
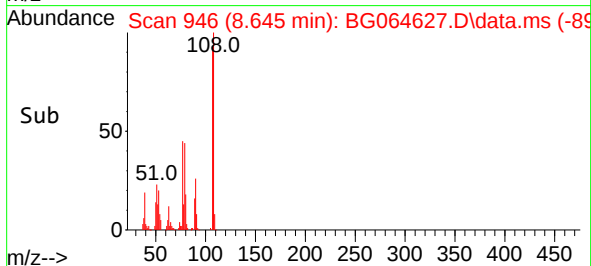


Tgt Ion:107 Resp: 92198

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 107.8 | 90.0  | 135.0 |
| 77  | 49.0  | 37.8  | 56.8  |
| 79  | 47.1  | 40.5  | 60.7  |

Manual Integrations  
APPROVED

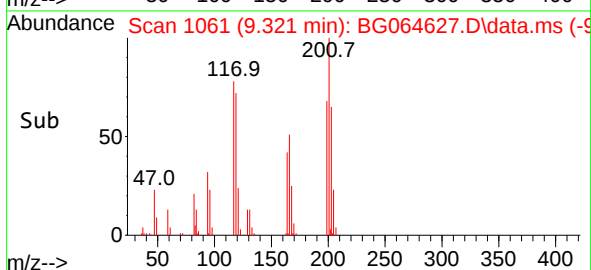
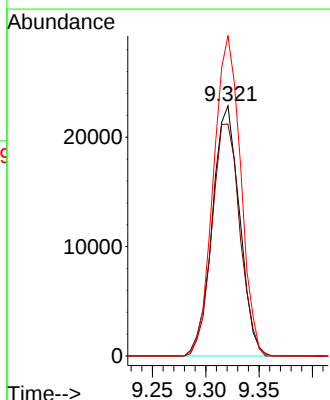
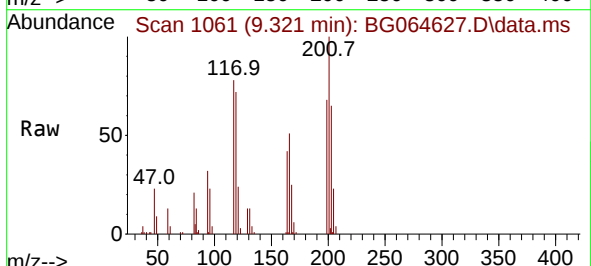
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

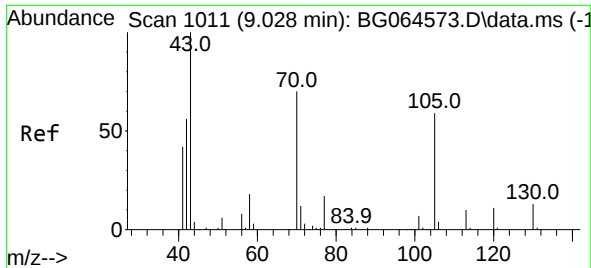


#18  
Hexachloroethane  
Concen: 51.921 ng  
RT: 9.321 min Scan# 1061  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Tgt Ion:117 Resp: 40540

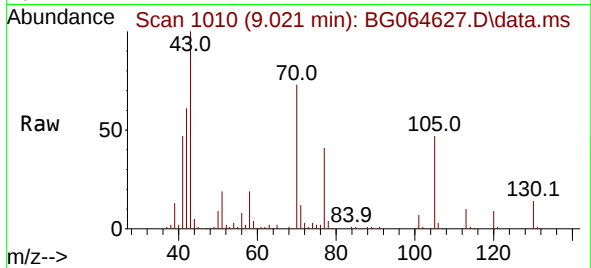
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 92.7  | 75.4  | 113.2 |
| 201 | 128.0 | 99.2  | 148.8 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 48.377 ng  
RT: 9.021 min Scan# 1011  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

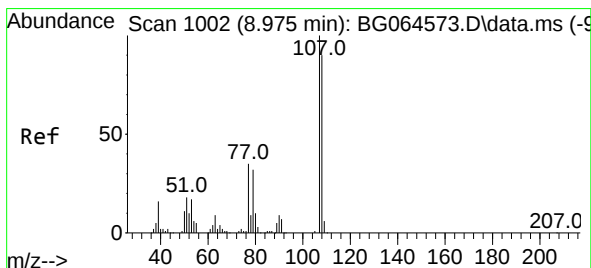
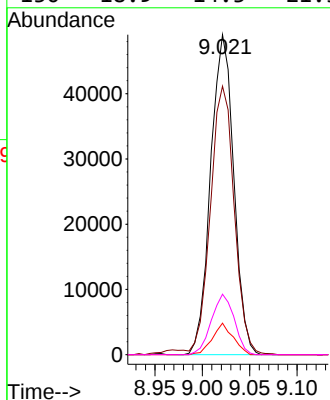
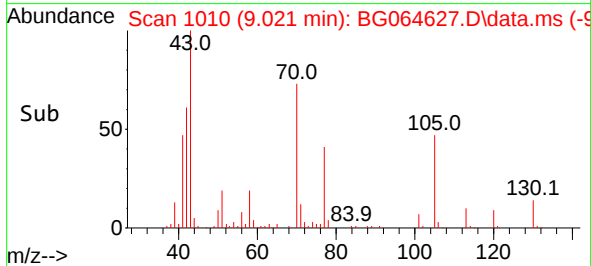
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion: 70 Resp: 8333  
Ion Ratio Lower Upper  
70 100  
42 83.9 65.2 97.8  
101 9.9 7.9 11.9  
130 18.9 14.3 21.5

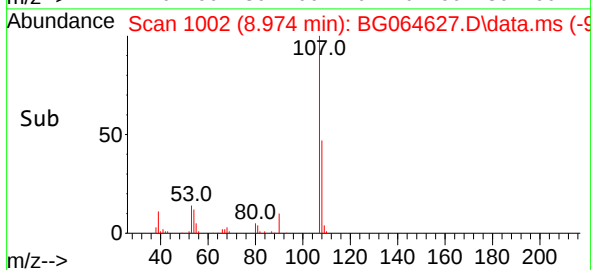
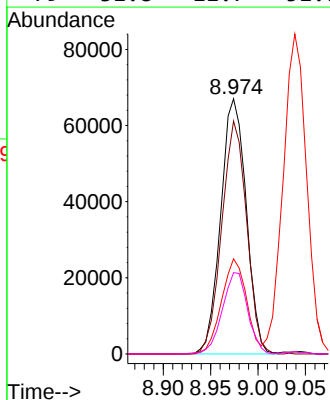
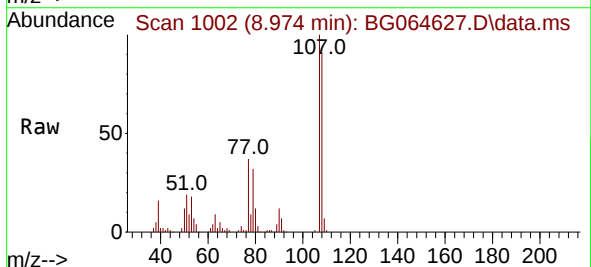
Manual Integrations  
APPROVED

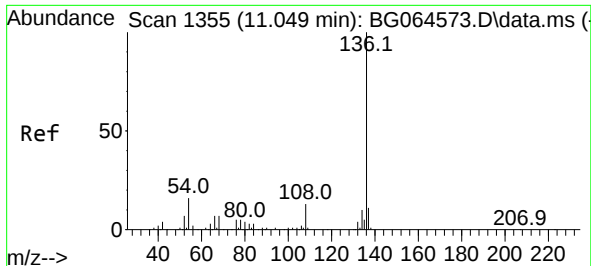
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#20  
3+4-Methylphenols  
Concen: 48.821 ng  
RT: 8.974 min Scan# 1002  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

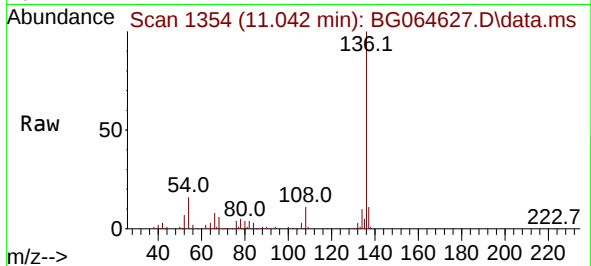
Tgt Ion:107 Resp: 125652  
Ion Ratio Lower Upper  
107 100  
108 91.2 70.3 110.3  
77 37.3 14.6 54.6  
79 31.8 11.7 51.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.042 min Scan# 1103  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

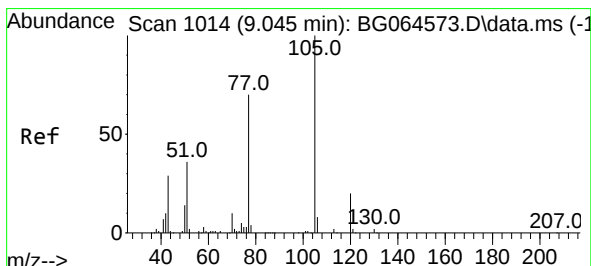
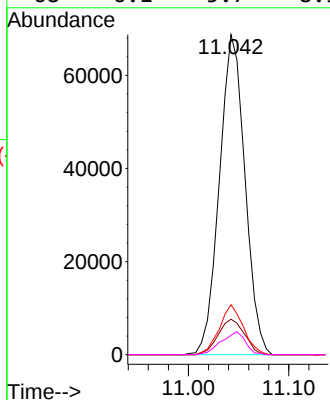
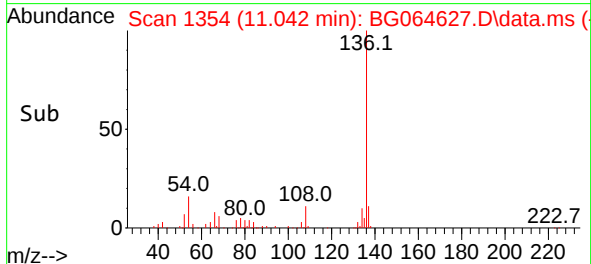
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:136 Resp: 121320  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.2 13.8  
54 15.6 12.6 19.0  
68 6.1 5.7 8.5

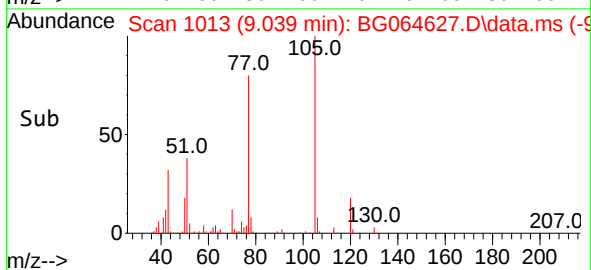
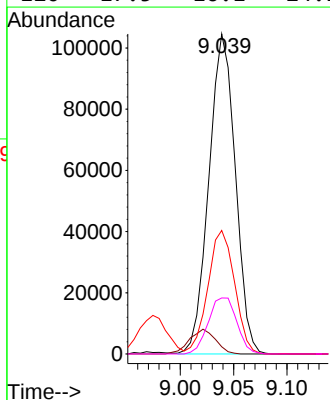
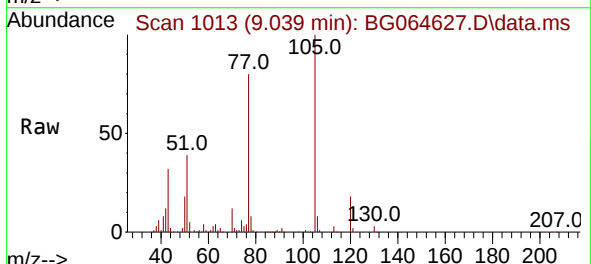
Manual Integrations  
APPROVED

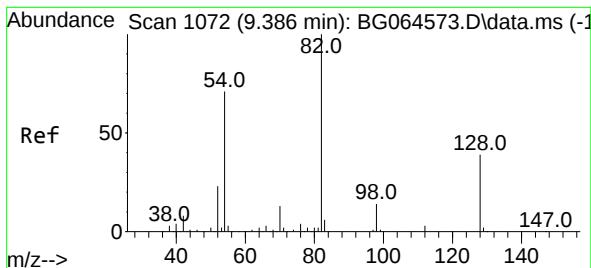
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#22  
Acetophenone  
Concen: 54.347 ng  
RT: 9.039 min Scan# 1013  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Tgt Ion:105 Resp: 180237  
Ion Ratio Lower Upper  
105 100  
71 2.3 1.5 2.3  
51 38.6 33.7 50.5  
120 17.5 16.1 24.1





#23

Nitrobenzene-d5

Concen: 76.945 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS

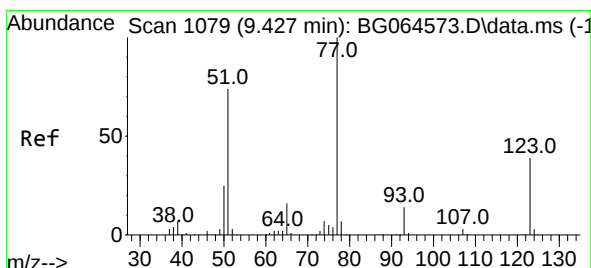
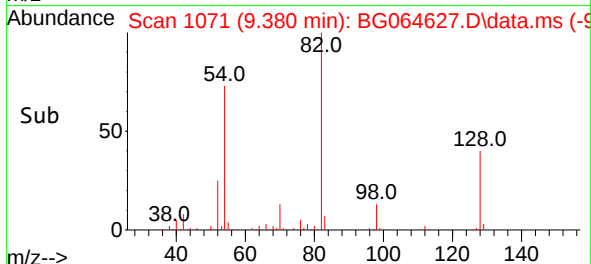
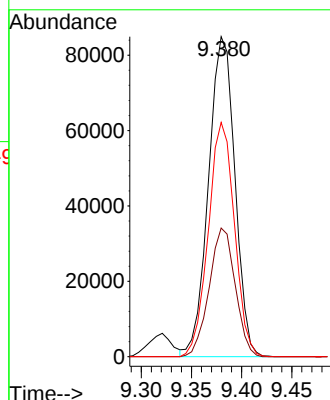
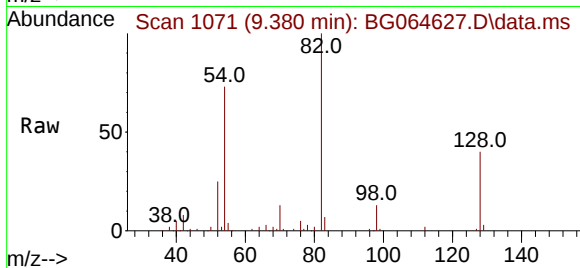
Tgt Ion: 82 Resp: 15542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.2  | 31.3  | 46.9  |
| 54  | 73.2  | 56.6  | 84.8  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#24

Nitrobenzene

Concen: 55.332 ng

RT: 9.421 min Scan# 1078

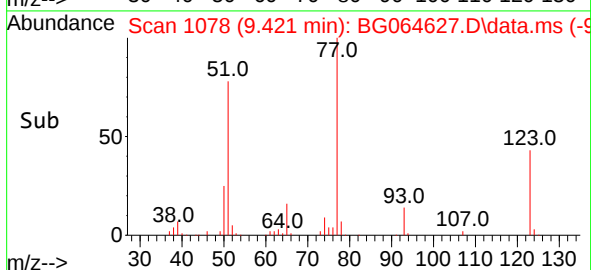
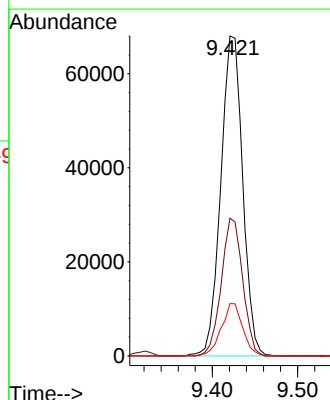
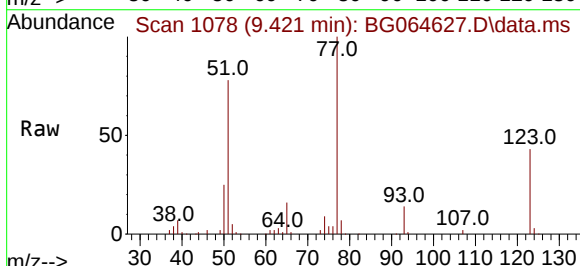
Delta R.T. -0.007 min

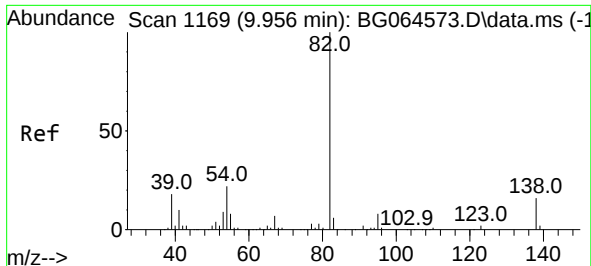
Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion: 77 Resp: 121561

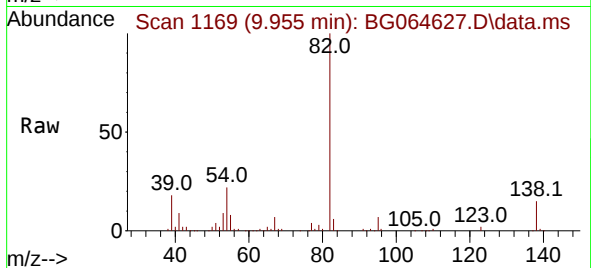
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.1  | 31.0  | 46.6  |
| 65  | 16.4  | 12.7  | 19.1  |





#25  
Isophorone  
Concen: 49.637 ng  
RT: 9.955 min Scan# 1169  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

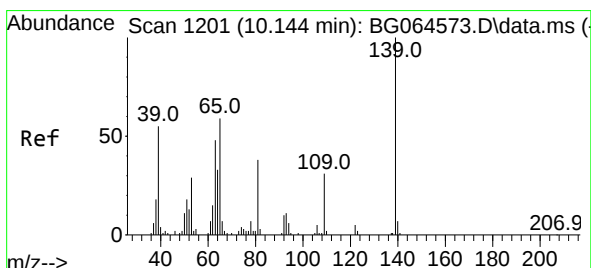
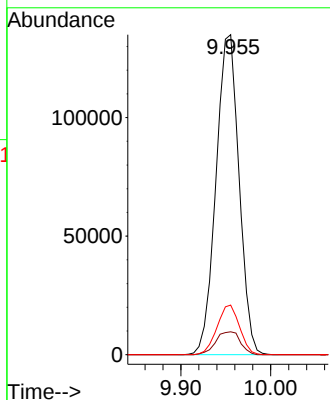
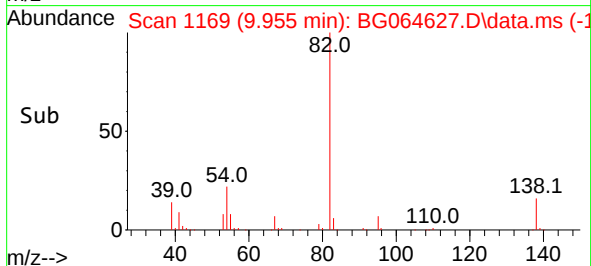
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion: 82 Resp: 240580  
Ion Ratio Lower Upper  
82 100  
95 7.2 6.1 9.1  
138 15.5 13.0 19.4

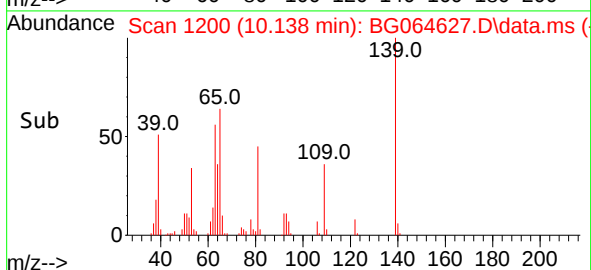
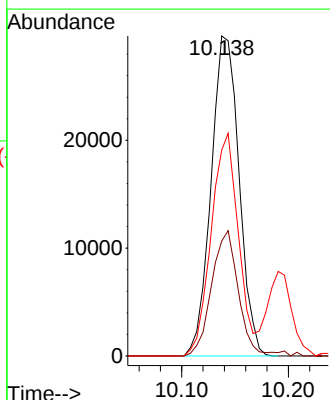
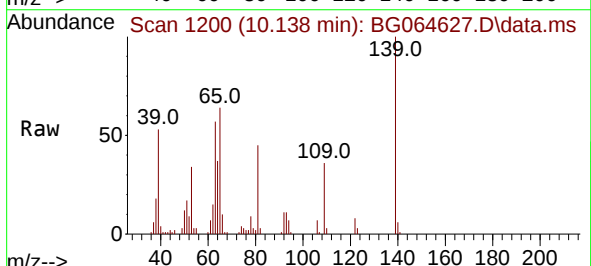
Manual Integrations  
APPROVED

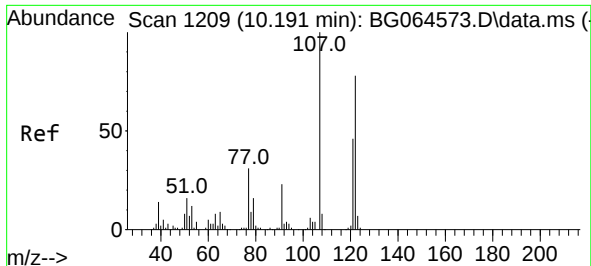
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#26  
2-Nitrophenol  
Concen: 62.810 ng  
RT: 10.138 min Scan# 1200  
Delta R.T. -0.006 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

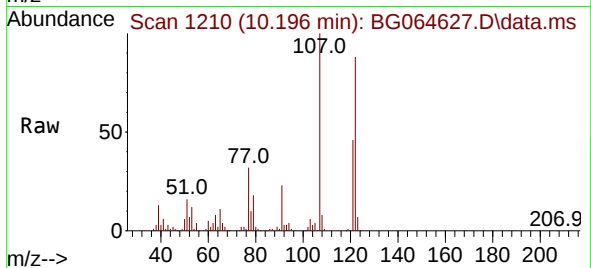
Tgt Ion:139 Resp: 54118  
Ion Ratio Lower Upper  
139 100  
109 35.9 24.6 37.0  
65 64.3 47.5 71.3





#27  
2,4-Dimethylphenol  
Concen: 57.650 ng  
RT: 10.196 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

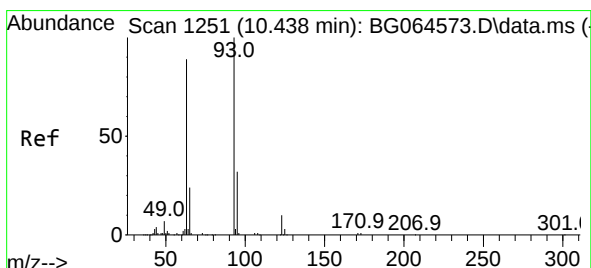
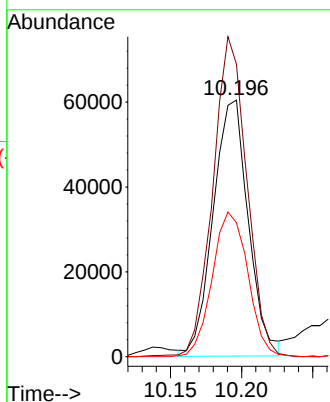
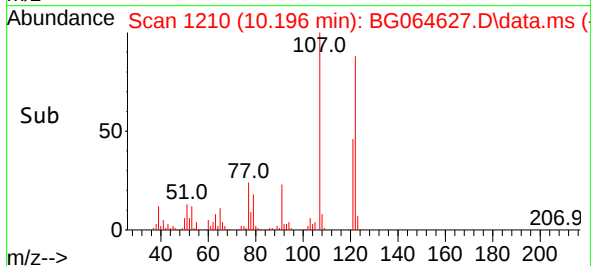
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:122 Resp: 10393  
Ion Ratio Lower Upper  
122 100  
107 114.0 103.0 154.4  
121 52.2 47.8 71.8

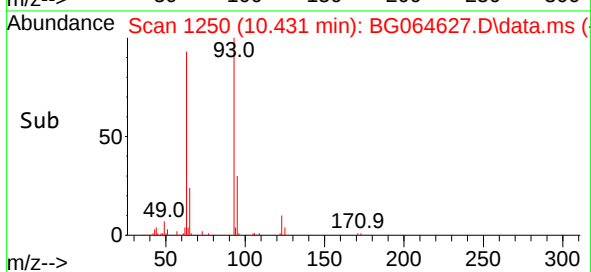
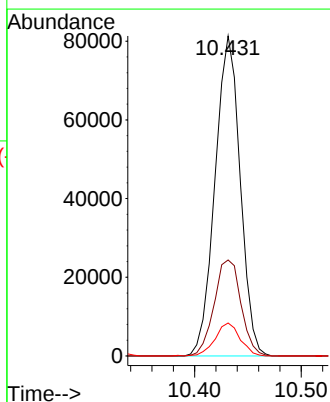
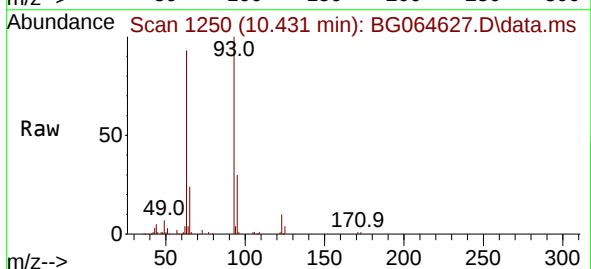
Manual Integrations  
APPROVED

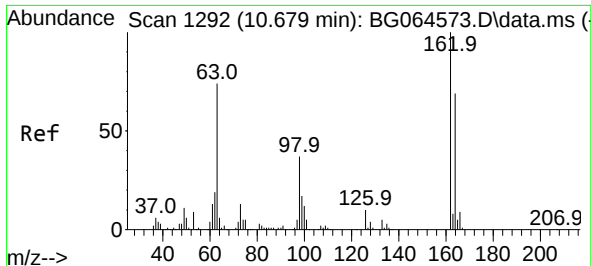
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#28  
bis(2-Chloroethoxy)methane  
Concen: 48.190 ng  
RT: 10.431 min Scan# 1250  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

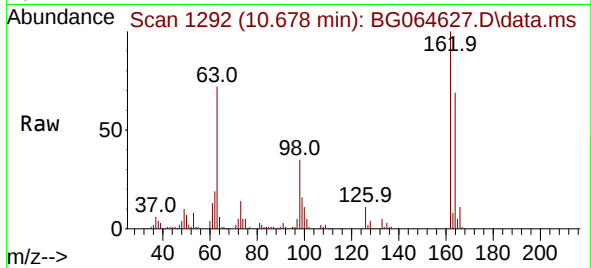
Tgt Ion: 93 Resp: 132986  
Ion Ratio Lower Upper  
93 100  
95 30.0 25.4 38.2  
123 10.3 8.4 12.6





#29  
2,4-Dichlorophenol  
Concen: 56.512 ng  
RT: 10.678 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

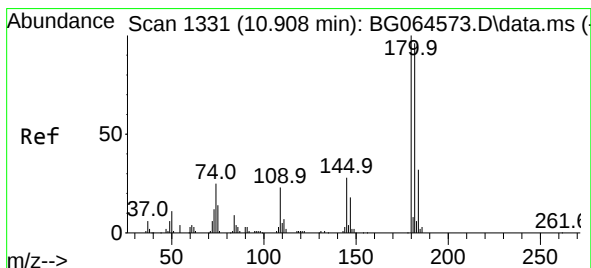
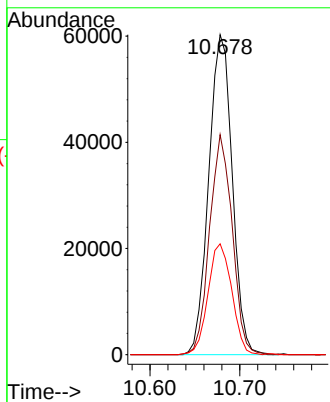
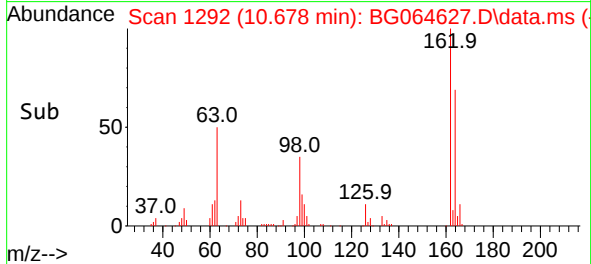
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



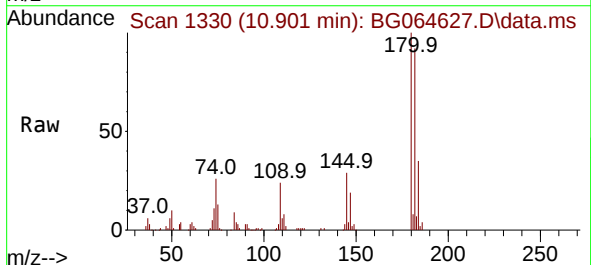
Tgt Ion:162 Resp: 10964  
Ion Ratio Lower Upper  
162 100  
164 68.8 48.7 88.7  
98 34.6 16.9 56.9

Manual Integrations  
APPROVED

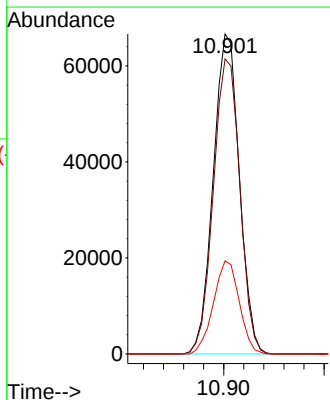
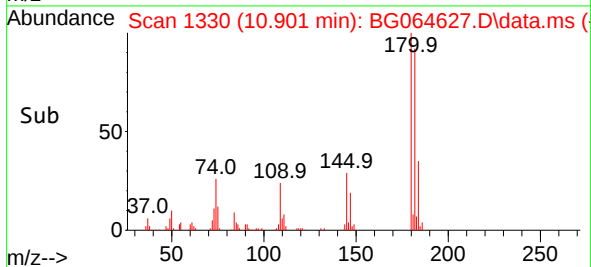
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

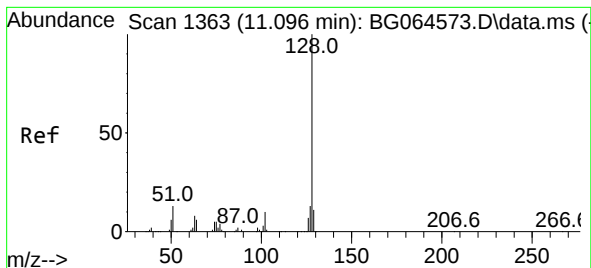


#30  
1,2,4-Trichlorobenzene  
Concen: 54.496 ng  
RT: 10.901 min Scan# 1330  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



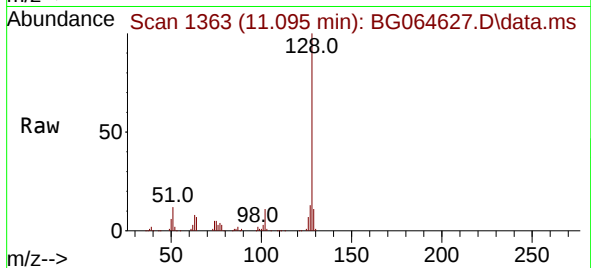
Tgt Ion:180 Resp: 120137  
Ion Ratio Lower Upper  
180 100  
182 92.2 76.9 115.3  
145 29.1 22.1 33.1





#31  
Naphthalene  
Concen: 48.777 ng  
RT: 11.095 min Scan# 1109  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

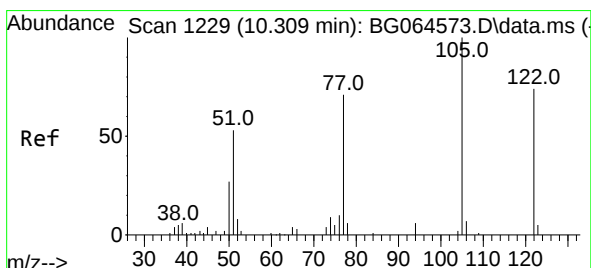
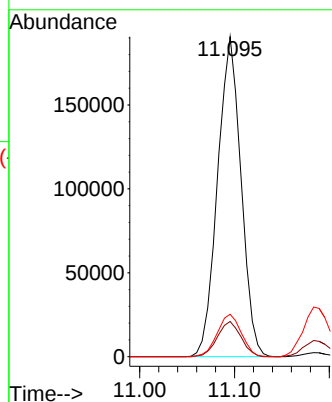
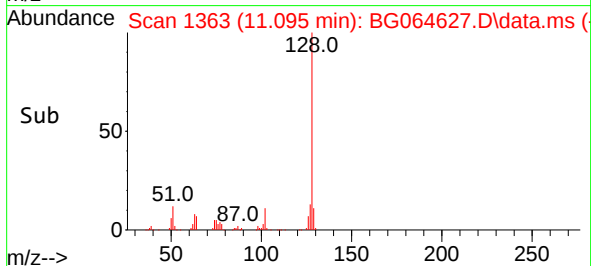
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:128 Resp: 328094  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.3 10.6 15.8

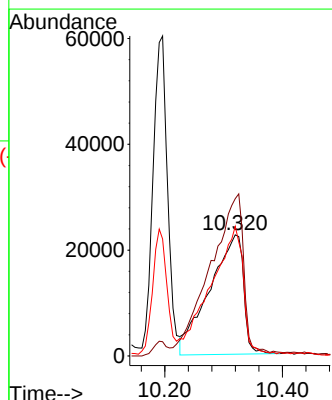
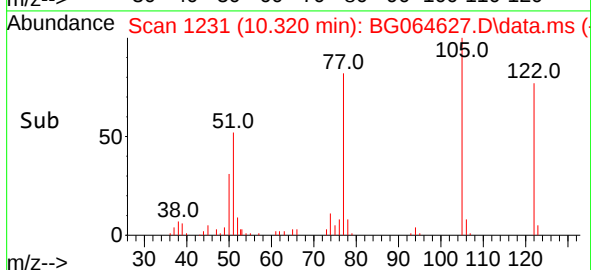
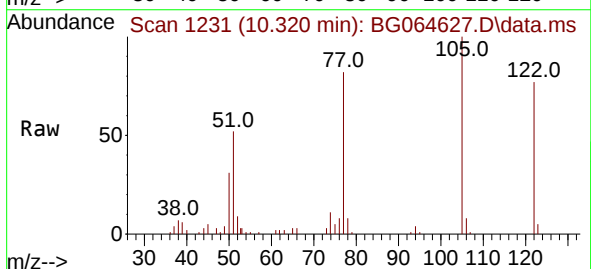
Manual Integrations  
APPROVED

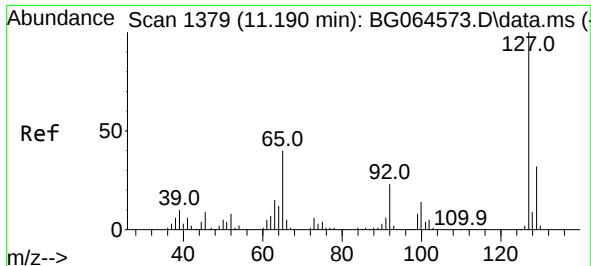
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#32  
Benzoic acid  
Concen: 62.736 ng  
RT: 10.320 min Scan# 1231  
Delta R.T. 0.011 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

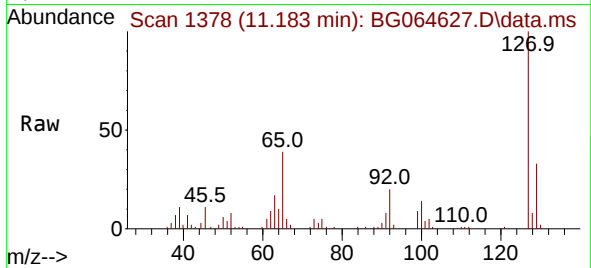
Tgt Ion:122 Resp: 89978  
Ion Ratio Lower Upper  
122 100  
105 129.9 104.2 144.2  
77 107.0 70.2 110.2





#33  
4-Chloroaniline  
Concen: 21.618 ng  
RT: 11.183 min Scan# 111  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

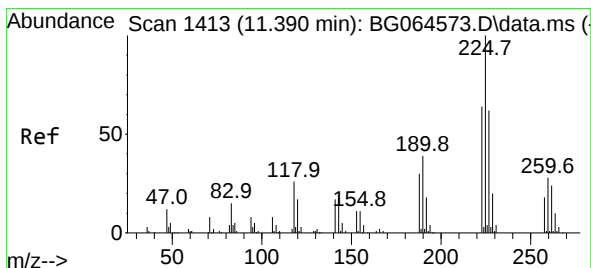
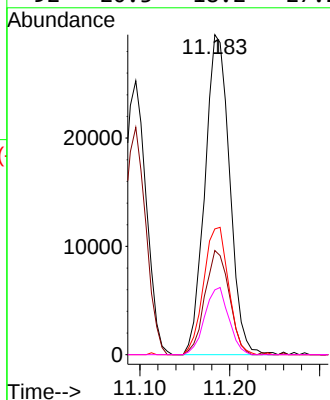
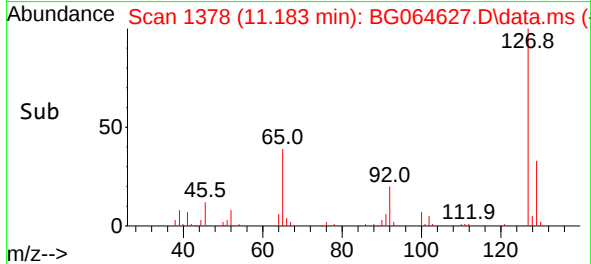
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:127 Resp: 56519  
Ion Ratio Lower Upper  
127 100  
129 32.6 25.5 38.3  
65 39.3 32.2 48.4  
92 20.3 18.2 27.2

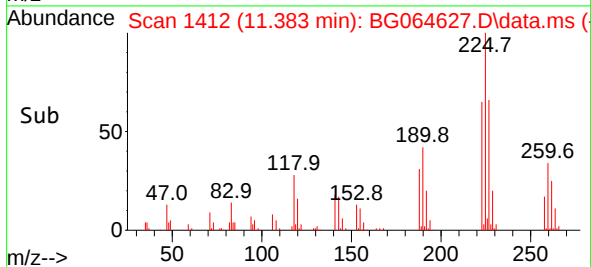
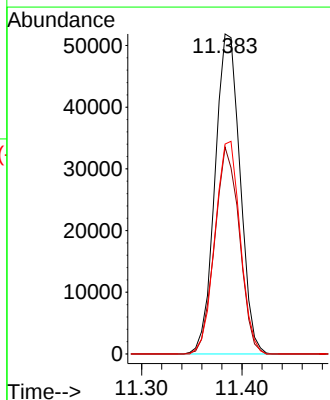
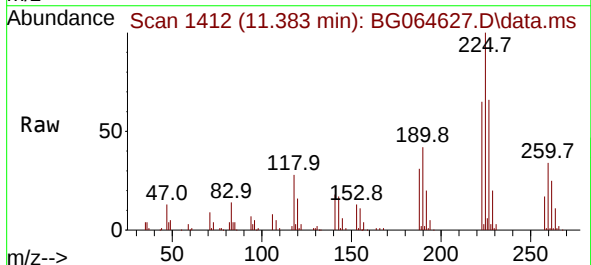
Manual Integrations  
APPROVED

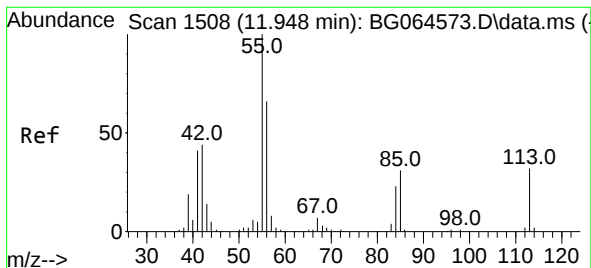
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#34  
Hexachlorobutadiene  
Concen: 52.062 ng  
RT: 11.383 min Scan# 1412  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

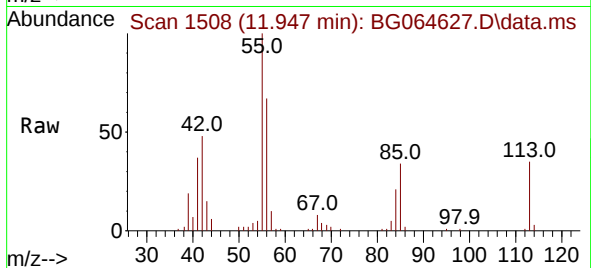
Tgt Ion:225 Resp: 89758  
Ion Ratio Lower Upper  
225 100  
223 64.6 48.8 73.2  
227 68.7 49.5 74.3





#35  
 Caprolactam  
 Concen: 50.400 ng m  
 RT: 11.947 min Scan# 11  
 Delta R.T. -0.001 min  
 Lab File: BG064627.D  
 Acq: 29 Oct 2025 17:34

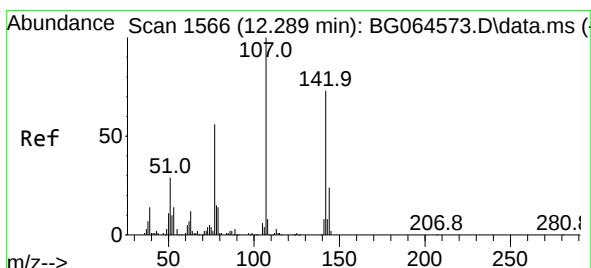
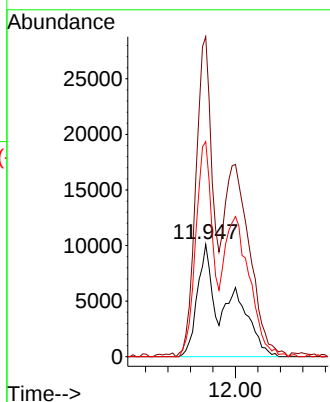
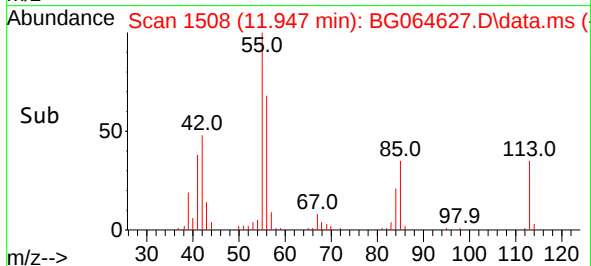
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-132-S16-015094-20251021MS



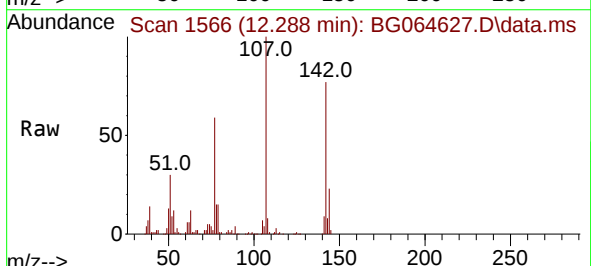
Tgt Ion:113 Resp: 37500  
 Ion Ratio Lower Upper  
 113 100  
 55 284.8 290.1 330.1  
 56 191.4 183.8 223.8

Manual Integrations  
 APPROVED

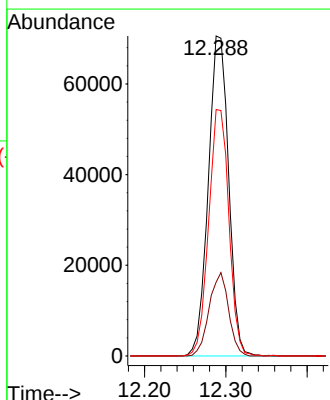
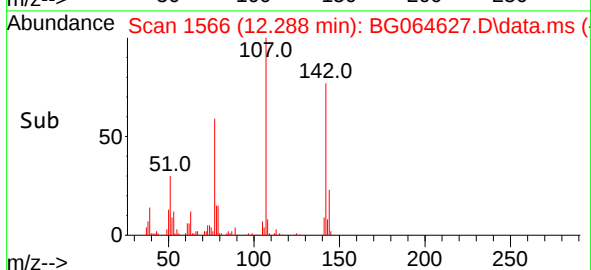
Reviewed By :Jagrut Upadhyay 11/04/2025  
 Supervised By :mohammad ahmed 11/05/2025

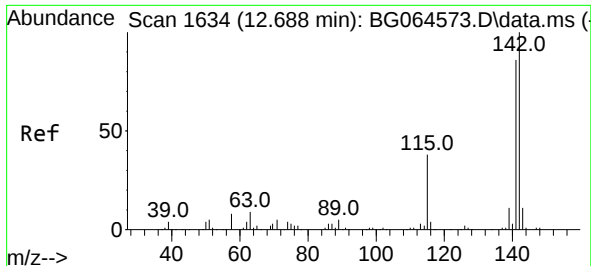


#36  
 4-Chloro-3-methylphenol  
 Concen: 52.585 ng  
 RT: 12.288 min Scan# 1566  
 Delta R.T. -0.001 min  
 Lab File: BG064627.D  
 Acq: 29 Oct 2025 17:34



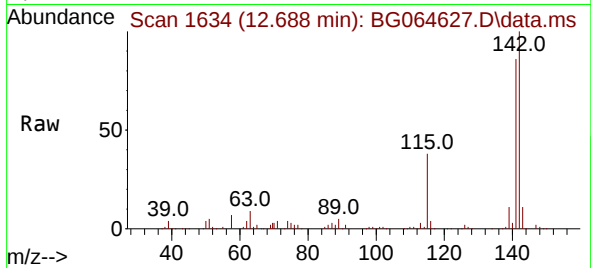
Tgt Ion:107 Resp: 122640  
 Ion Ratio Lower Upper  
 107 100  
 144 23.0 19.1 28.7  
 142 77.0 58.6 87.8





#37  
2-Methylnaphthalene  
Concen: 45.380 ng  
RT: 12.688 min Scan# 1634  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

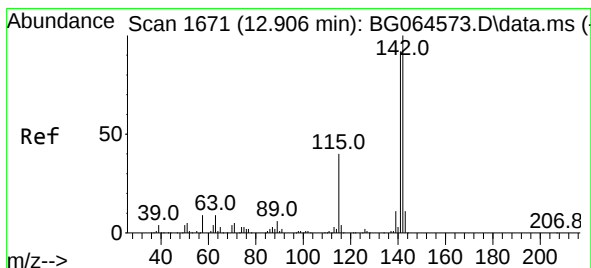
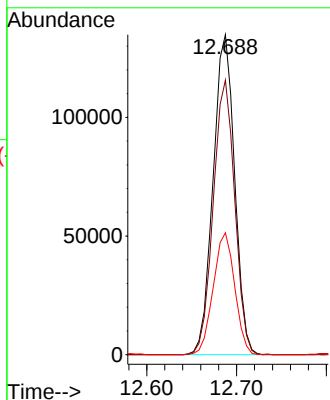
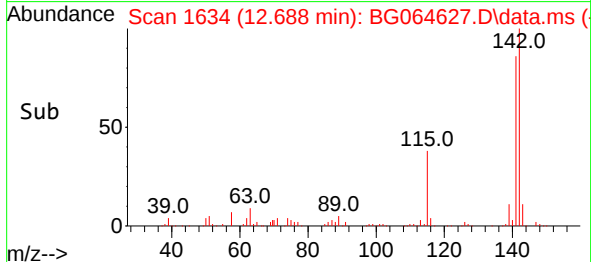
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



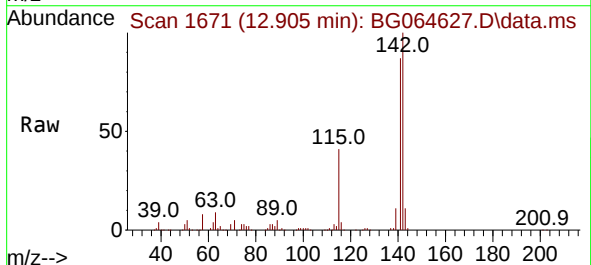
Tgt Ion:142 Resp: 224108  
Ion Ratio Lower Upper  
142 100  
141 85.8 68.9 103.3  
115 38.1 30.6 46.0

Manual Integrations  
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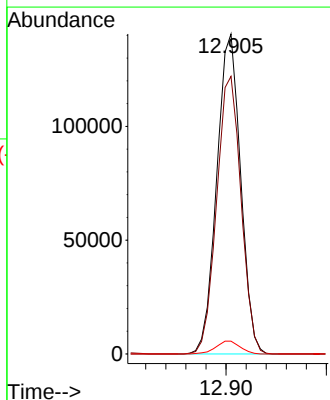
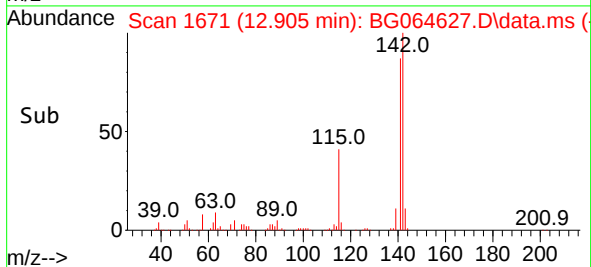
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

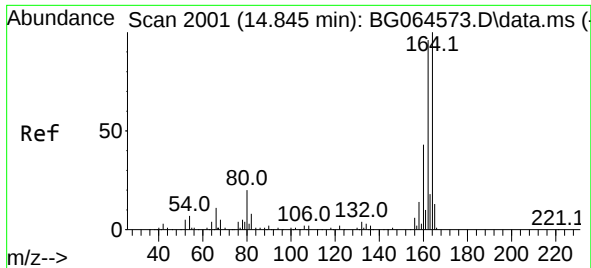


#38  
1-Methylnaphthalene  
Concen: 47.390 ng  
RT: 12.905 min Scan# 1671  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



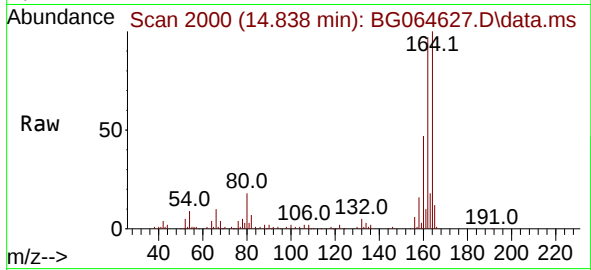
Tgt Ion:142 Resp: 231684  
Ion Ratio Lower Upper  
142 100  
141 86.8 73.3 109.9  
116 4.0 3.1 4.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.838 min Scan# 2000  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

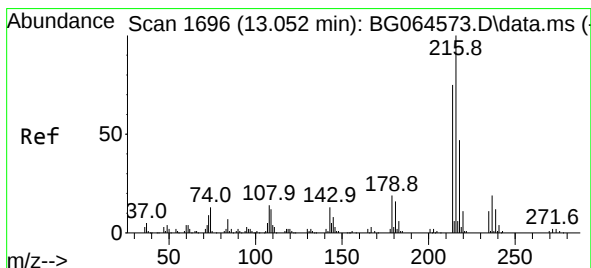
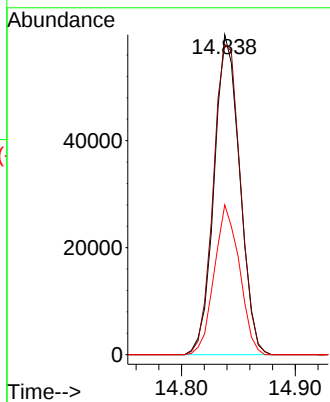
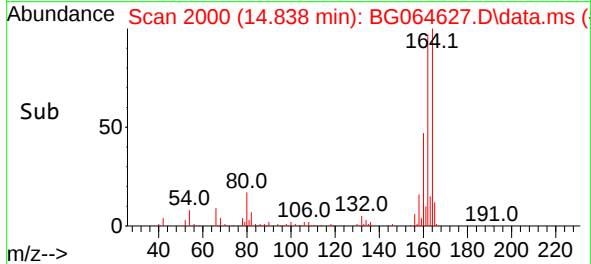
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:164 Resp: 93614  
Ion Ratio Lower Upper  
164 100  
162 96.9 77.0 115.6  
160 46.8 34.4 51.6

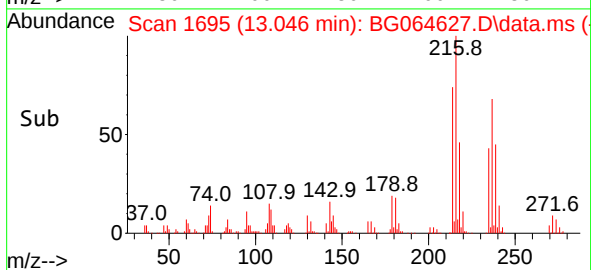
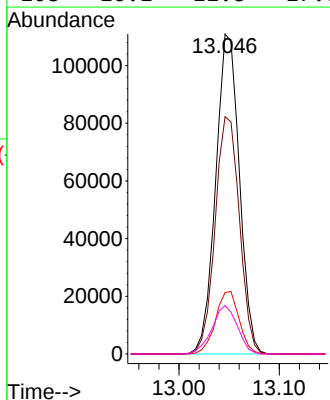
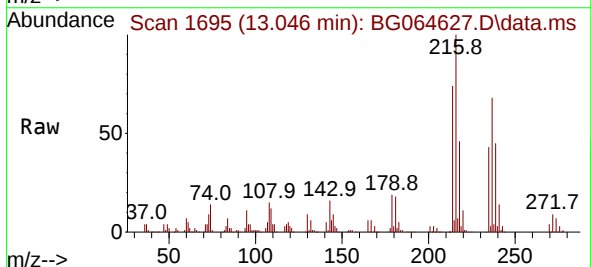
Manual Integrations  
APPROVED

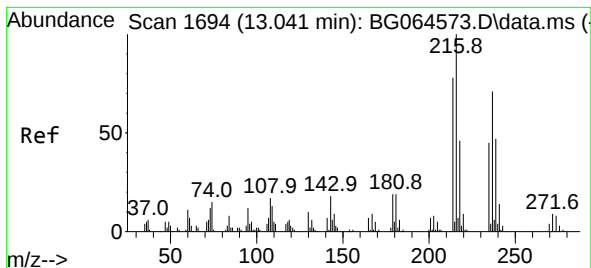
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 57.895 ng  
RT: 13.046 min Scan# 1695  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

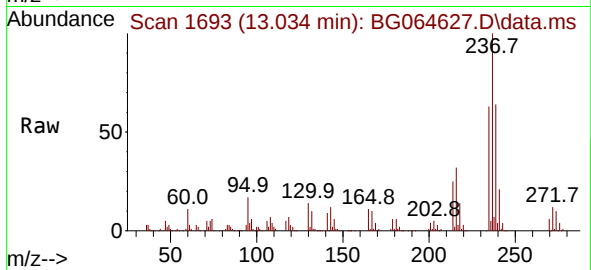
Tgt Ion:216 Resp: 181893  
Ion Ratio Lower Upper  
216 100  
214 76.0 61.4 92.2  
179 19.5 15.4 23.0  
108 16.1 11.8 17.6





#41  
Hexachlorocyclopentadiene  
Concen: 154.388 ng  
RT: 13.034 min Scan# 1693  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

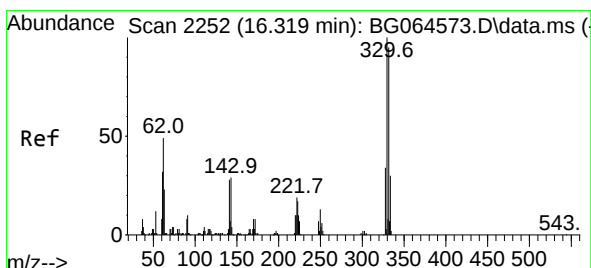
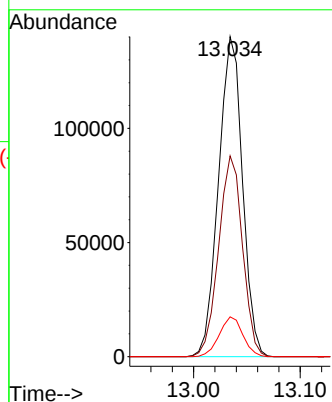
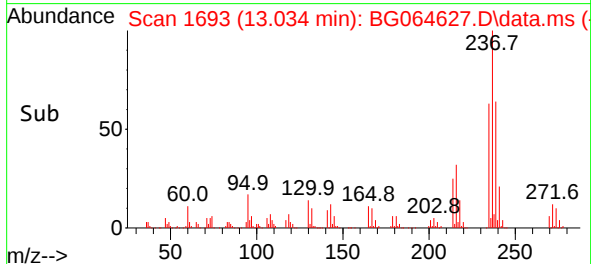
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



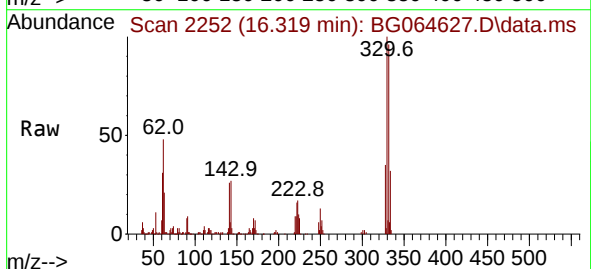
Tgt Ion:237 Resp: 21832  
Ion Ratio Lower Upper  
237 100  
235 62.8 44.1 84.1  
272 12.4 0.0 32.4

Manual Integrations  
APPROVED

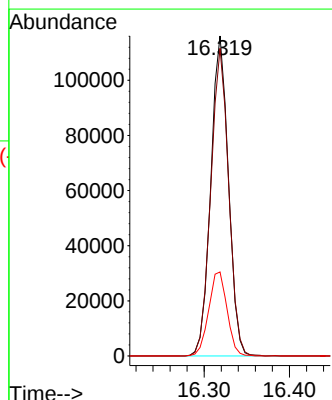
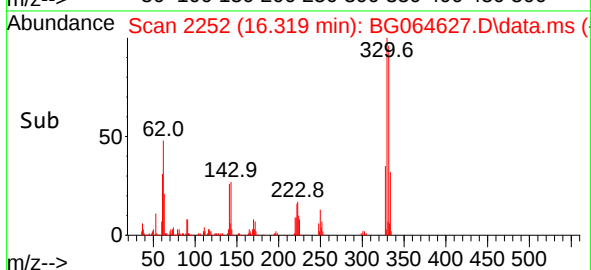
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

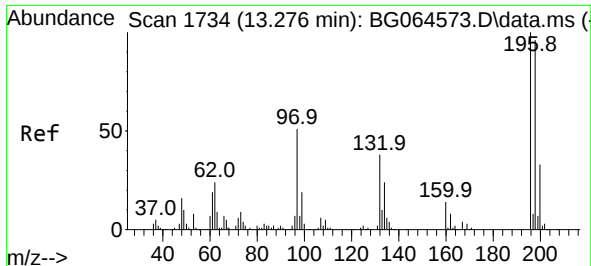


#42  
2,4,6-Tribromophenol  
Concen: 123.459 ng  
RT: 16.319 min Scan# 2252  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



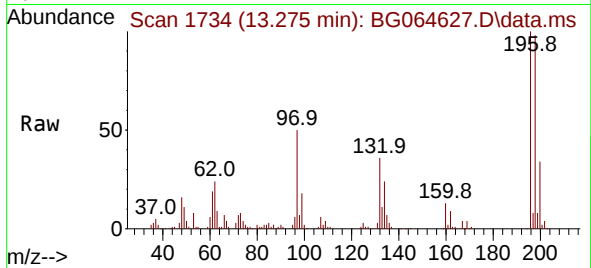
Tgt Ion:330 Resp: 166810  
Ion Ratio Lower Upper  
330 100  
332 97.3 78.0 117.0  
141 27.3 21.8 32.6





#43  
2,4,6-Trichlorophenol  
Concen: 58.649 ng  
RT: 13.275 min Scan# 1734  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

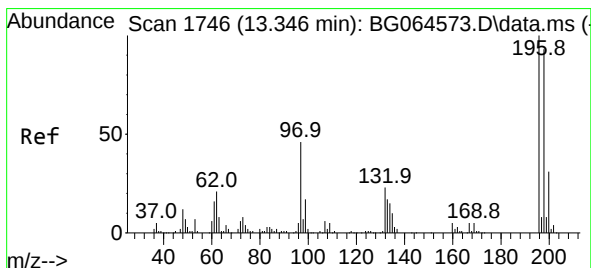
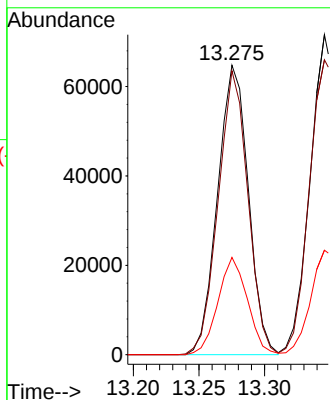
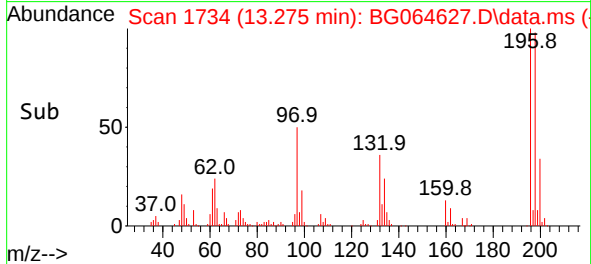
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:196 Resp: 105398  
Ion Ratio Lower Upper  
196 100  
198 98.0 76.6 115.0  
200 35.8 26.0 39.0

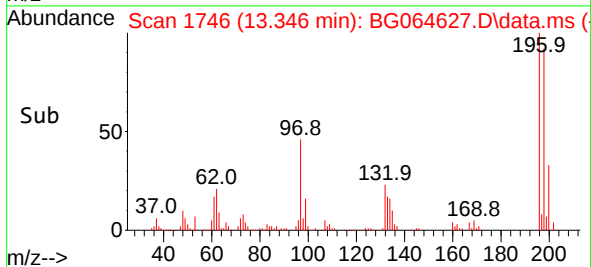
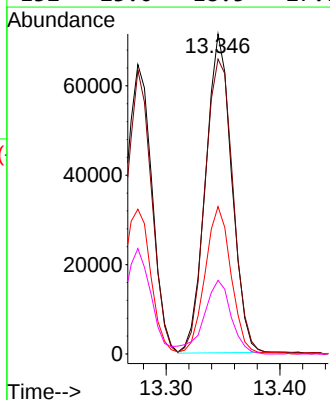
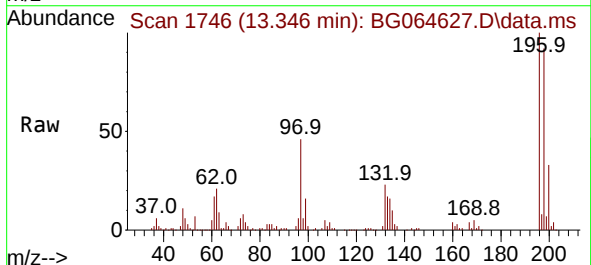
Manual Integrations  
APPROVED

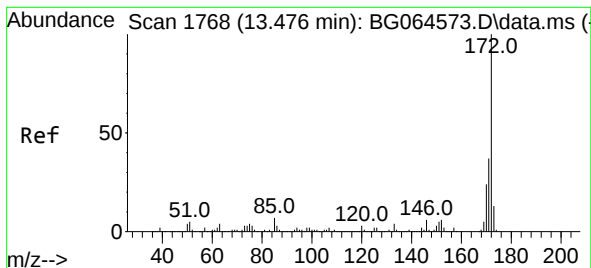
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#44  
2,4,5-Trichlorophenol  
Concen: 55.084 ng  
RT: 13.346 min Scan# 1746  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

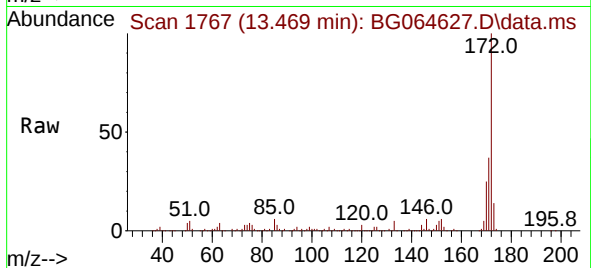
Tgt Ion:196 Resp: 114236  
Ion Ratio Lower Upper  
196 100  
198 92.2 74.2 111.4  
97 46.1 37.0 55.6  
132 23.0 18.5 27.7





#45  
2-Fluorobiphenyl  
Concen: 60.330 ng  
RT: 13.469 min Scan# 1768  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

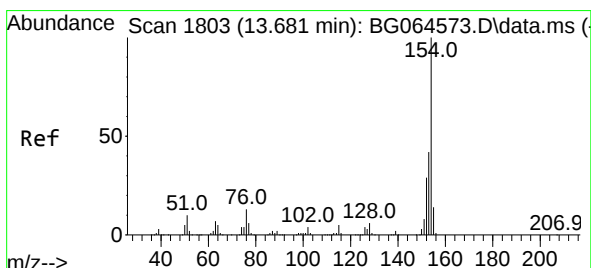
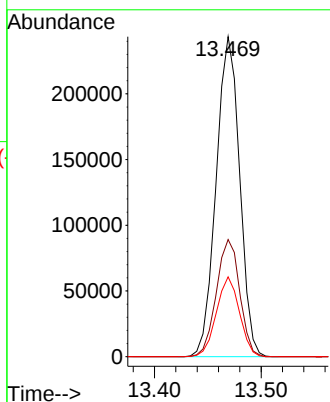
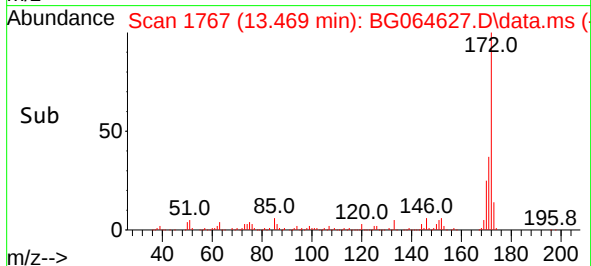
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



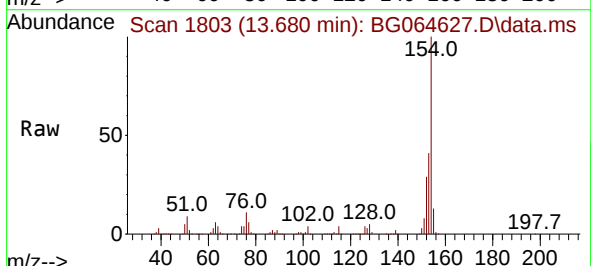
Tgt Ion:172 Resp: 372604  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.4 44.0  
170 24.9 19.1 28.7

Manual Integrations  
APPROVED

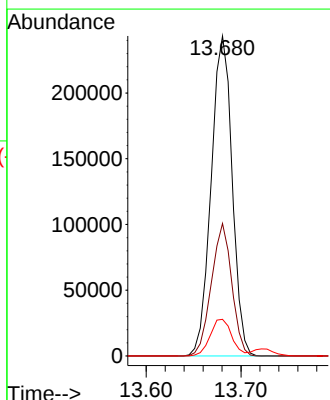
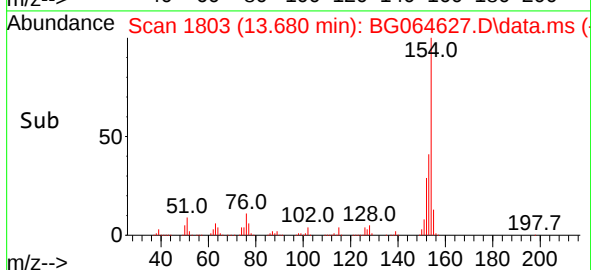
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

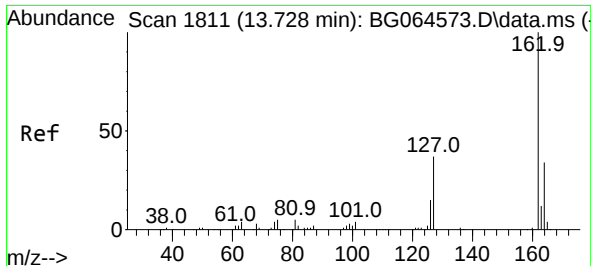


#46  
1,1'-Biphenyl  
Concen: 56.287 ng  
RT: 13.680 min Scan# 1803  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



Tgt Ion:154 Resp: 374605  
Ion Ratio Lower Upper  
154 100  
153 41.4 22.4 62.4  
76 11.4 0.0 33.5





#47

2-Chloronaphthalene

Concen: 50.074 ng

RT: 13.722 min Scan# 1810

Delta R.T. -0.007 min

Lab File: BG064627.D

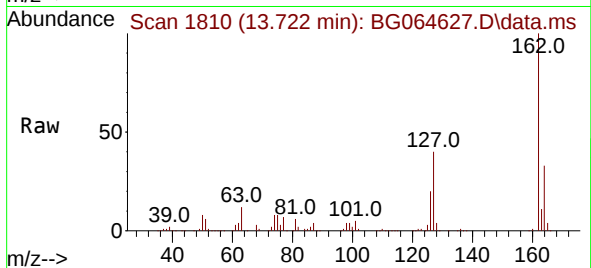
Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:162 Resp: 25155

Ion Ratio Lower Upper

162 100

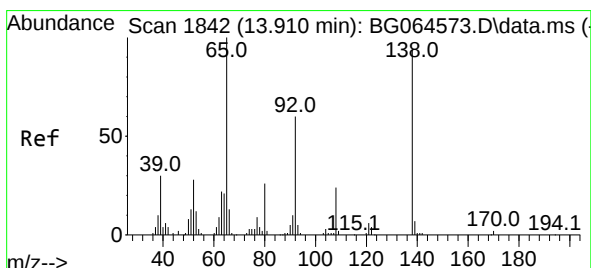
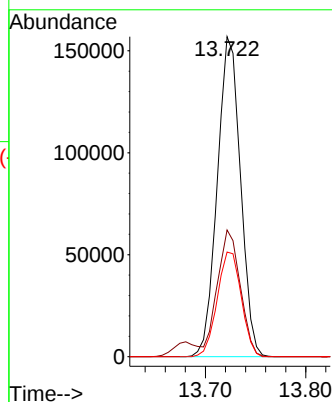
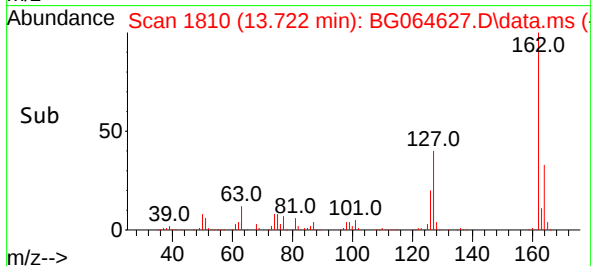
127 39.6 32.2 48.2

164 32.7 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#48

2-Nitroaniline

Concen: 56.055 ng

RT: 13.910 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

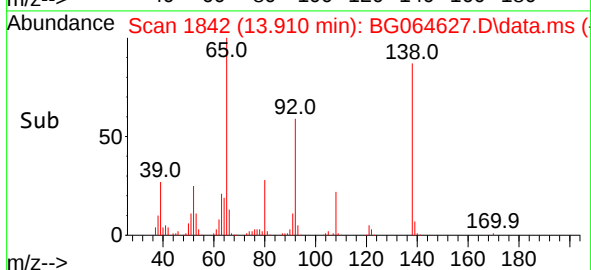
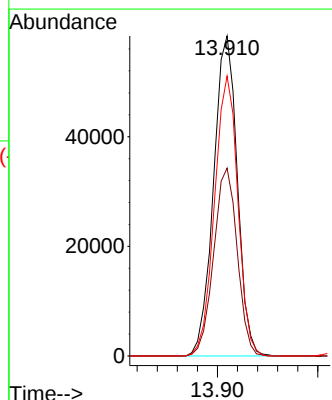
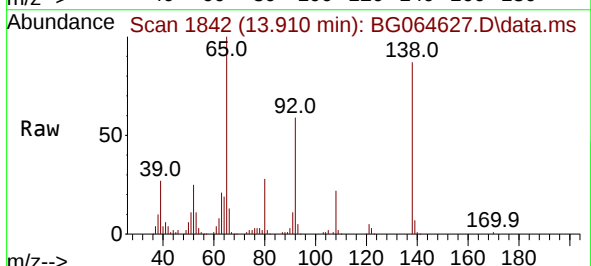
Tgt Ion: 65 Resp: 95513

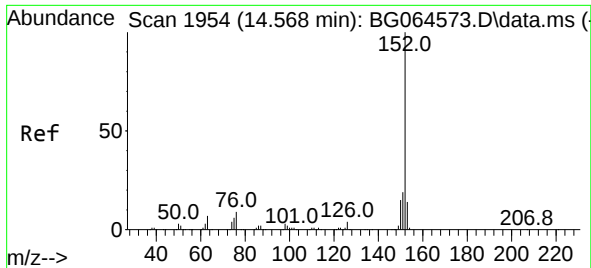
Ion Ratio Lower Upper

65 100

92 58.7 48.3 72.5

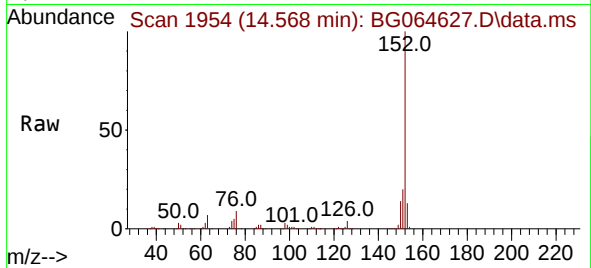
138 87.5 74.9 112.3





#49  
Acenaphthylene  
Concen: 57.112 ng  
RT: 14.568 min Scan# 1954  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

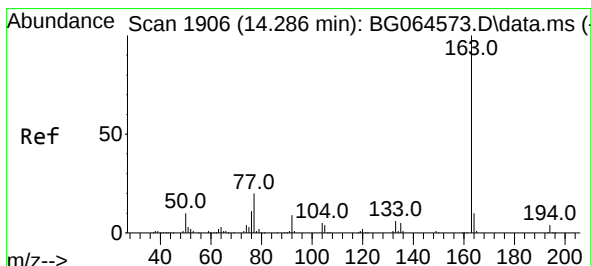
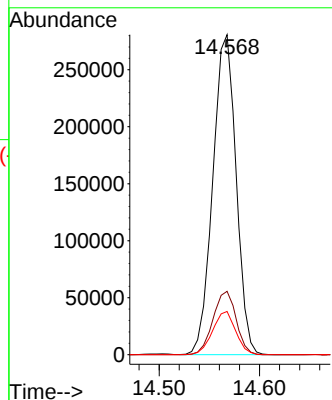
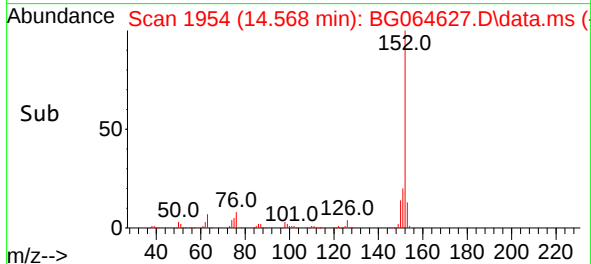
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



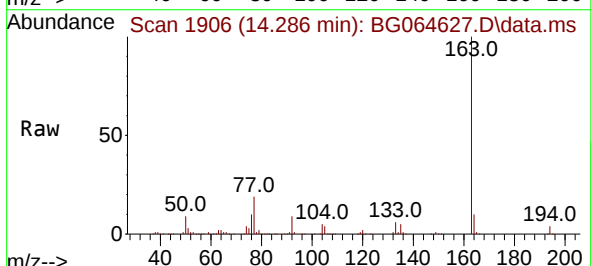
Tgt Ion:152 Resp: 452550  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.4 23.2  
153 13.5 11.0 16.4

Manual Integrations  
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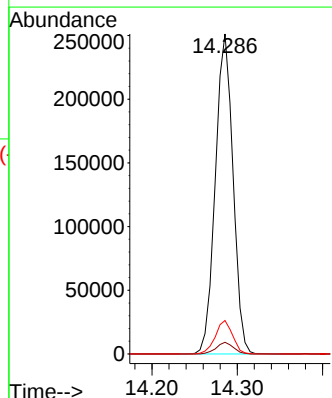
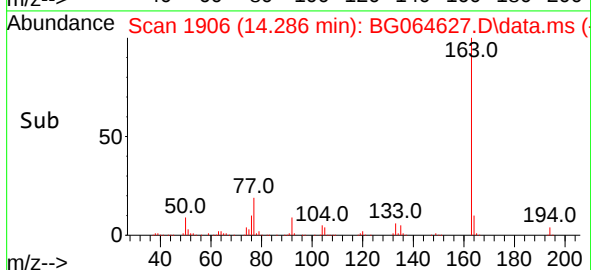
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

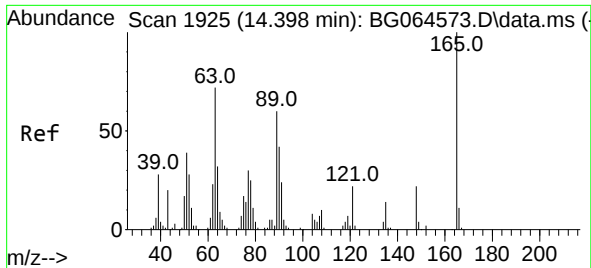


#50  
Dimethylphthalate  
Concen: 50.569 ng  
RT: 14.286 min Scan# 1906  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



Tgt Ion:163 Resp: 362240  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.8 4.2  
164 10.5 7.7 11.5





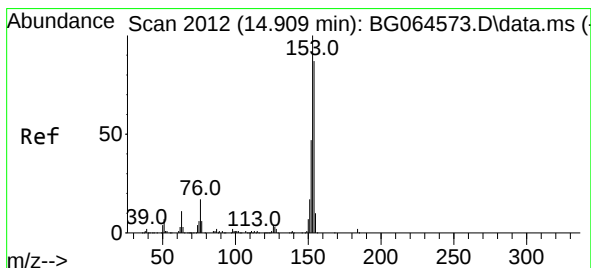
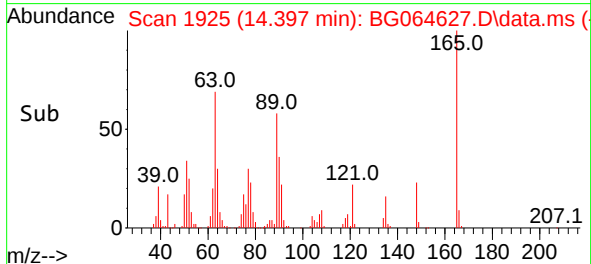
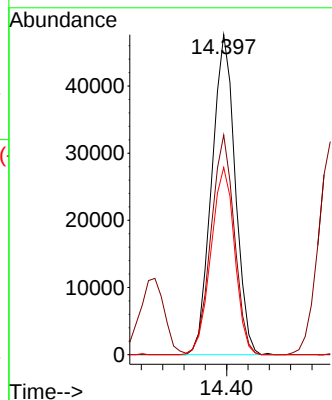
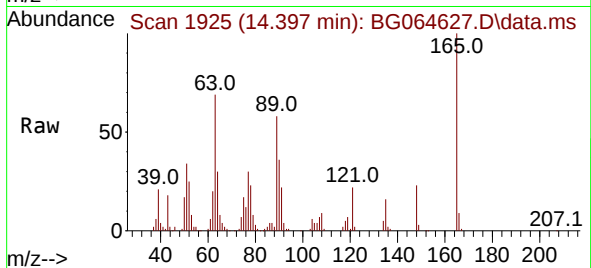
#51  
2,6-Dinitrotoluene  
Concen: 60.623 ng  
RT: 14.397 min Scan# 1925  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS

Tgt Ion:165 Resp: 7271  
Ion Ratio Lower Upper  
165 100  
63 68.6 57.4 86.0  
89 58.5 47.8 71.8

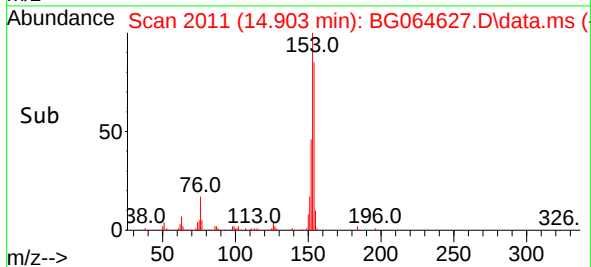
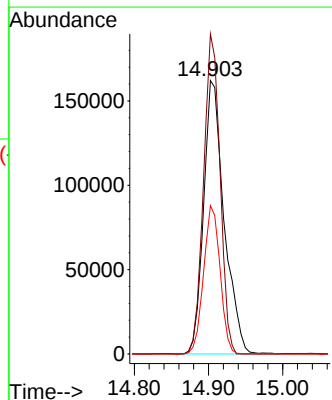
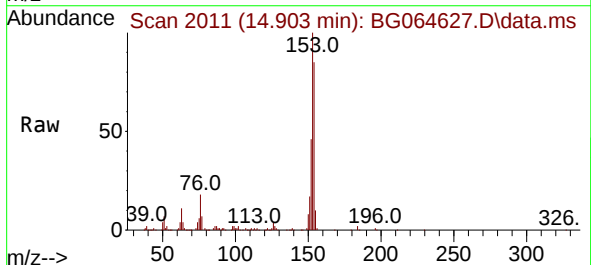
Manual Integrations  
APPROVED

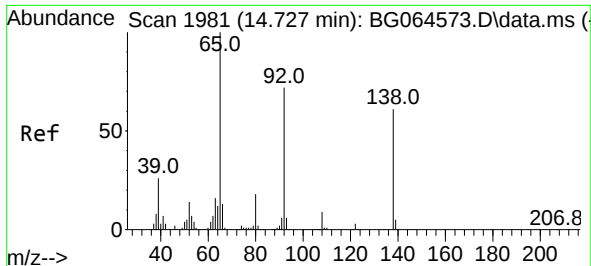
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#52  
Acenaphthene  
Concen: 57.775 ng  
RT: 14.903 min Scan# 2011  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

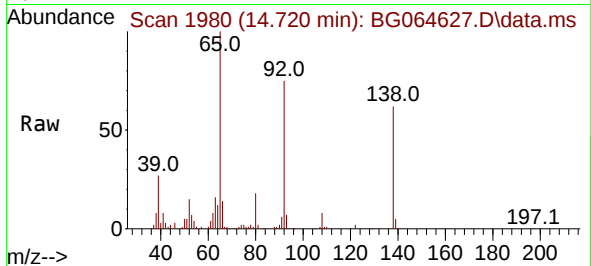
Tgt Ion:154 Resp: 312776  
Ion Ratio Lower Upper  
154 100  
153 117.0 92.2 138.4  
152 54.2 43.2 64.8





#53  
3-Nitroaniline  
Concen: 40.637 ng  
RT: 14.720 min Scan# 1981  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

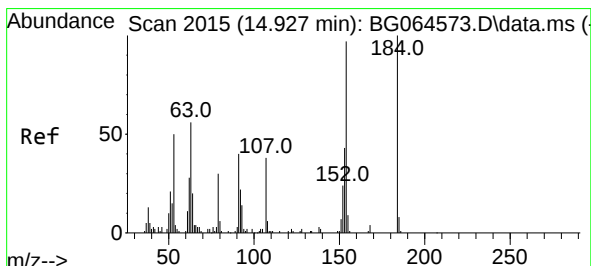
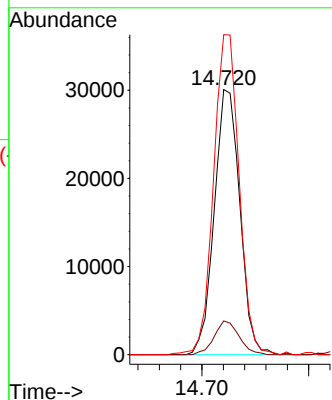
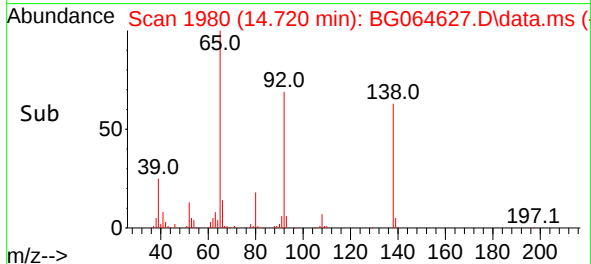
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:138 Resp: 5002  
Ion Ratio Lower Upper  
138 100  
108 12.7 11.4 17.0  
92 120.7 95.3 142.9

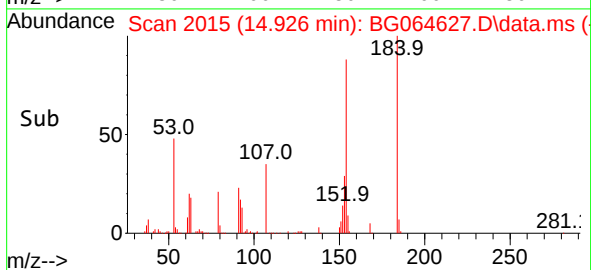
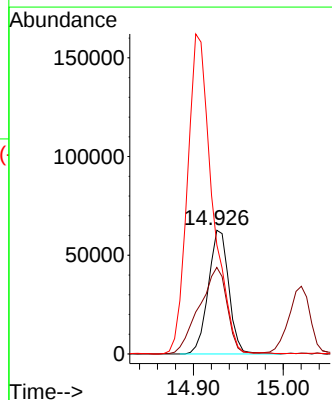
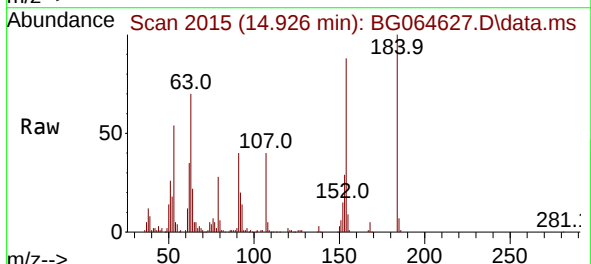
Manual Integrations  
APPROVED

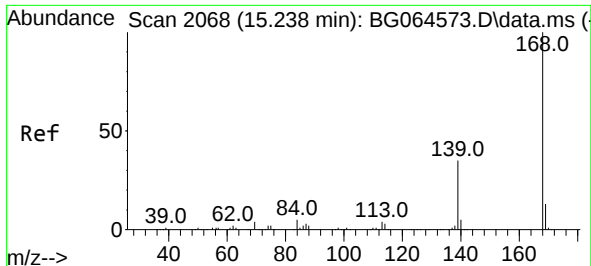
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#54  
2,4-Dinitrophenol  
Concen: 132.948 ng  
RT: 14.926 min Scan# 2015  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

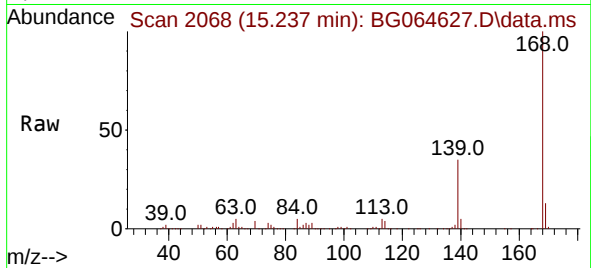
Tgt Ion:184 Resp: 99300  
Ion Ratio Lower Upper  
184 100  
63 69.9 56.6 85.0  
154 88.2 158.6 238.0#





#55  
Dibenzenofuran  
Concen: 50.793 ng  
RT: 15.237 min Scan# 2068  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

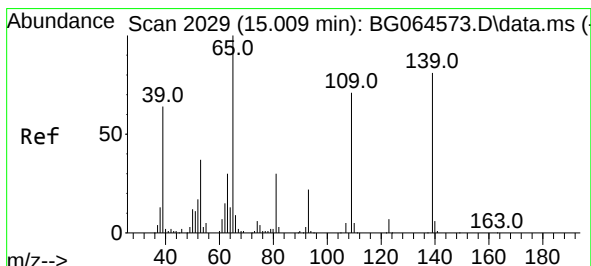
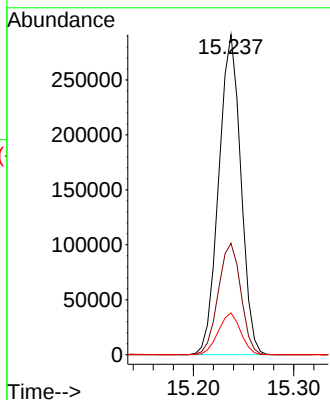
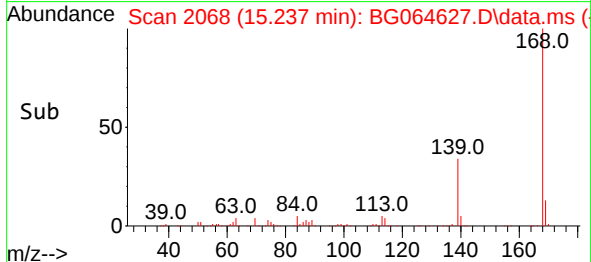
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



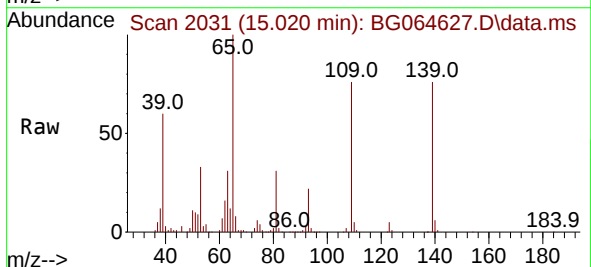
Tgt Ion:168 Resp: 44456  
Ion Ratio Lower Upper  
168 100  
139 34.8 27.8 41.8  
169 13.1 10.3 15.5

Manual Integrations  
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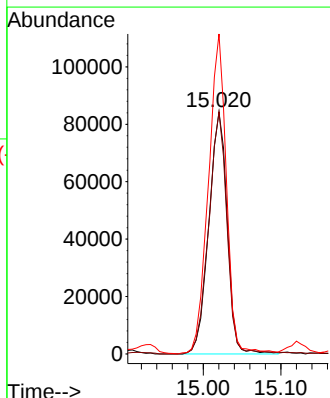
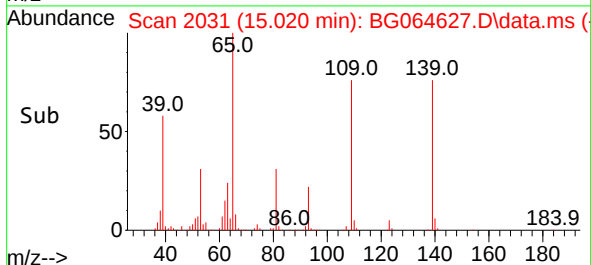
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

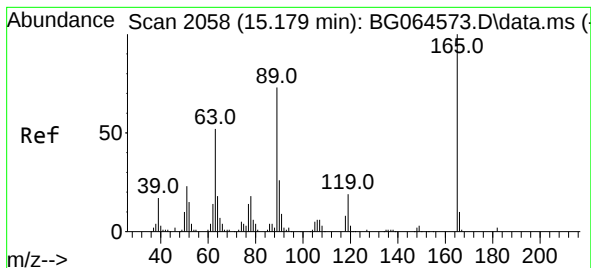


#56  
4-Nitrophenol  
Concen: 121.914 ng  
RT: 15.020 min Scan# 2031  
Delta R.T. 0.011 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



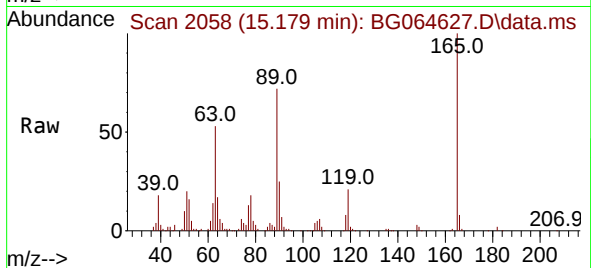
Tgt Ion:139 Resp: 139148  
Ion Ratio Lower Upper  
139 100  
109 100.0 67.8 107.8  
65 132.3 103.7 143.7





#57  
2,4-Dinitrotoluene  
Concen: 58.491 ng  
RT: 15.179 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

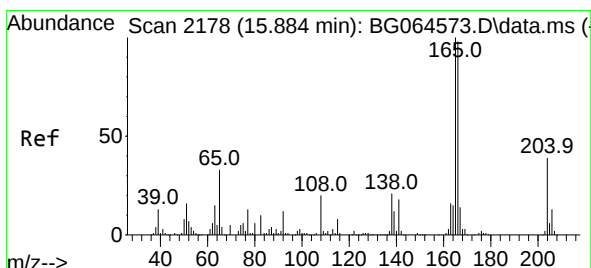
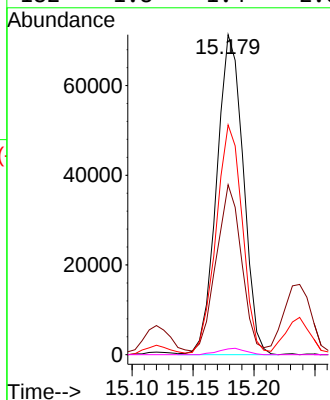
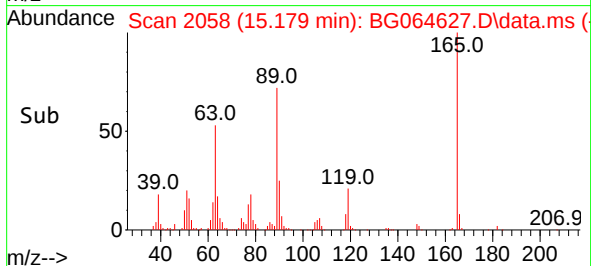
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:165 Resp: 10819  
Ion Ratio Lower Upper  
165 100  
63 53.1 41.8 62.8  
89 71.8 58.1 87.1  
182 1.8 1.4 2.0

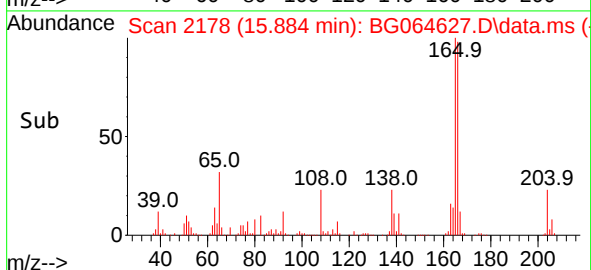
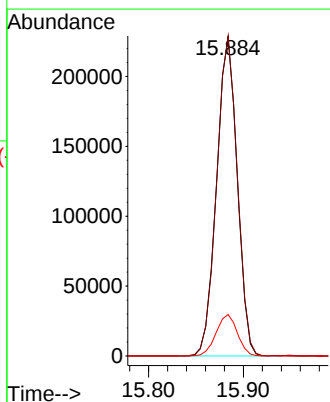
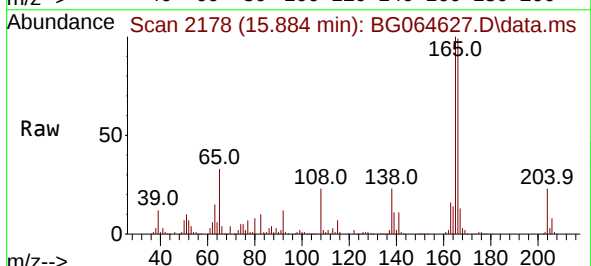
Manual Integrations  
APPROVED

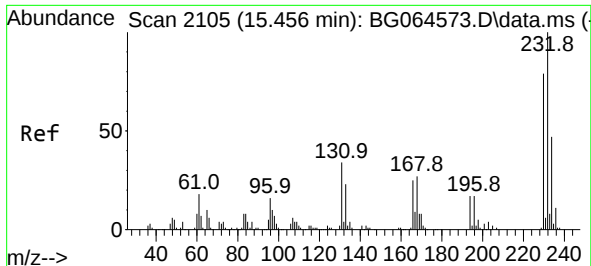
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#58  
Fluorene  
Concen: 50.581 ng  
RT: 15.884 min Scan# 2178  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

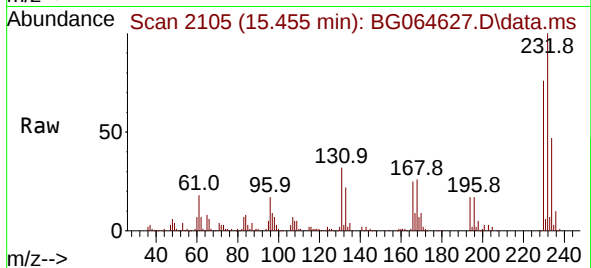
Tgt Ion:166 Resp: 345737  
Ion Ratio Lower Upper  
166 100  
165 100.5 81.5 122.3  
167 13.0 11.4 17.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 62.001 ng  
RT: 15.455 min Scan# 2105  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

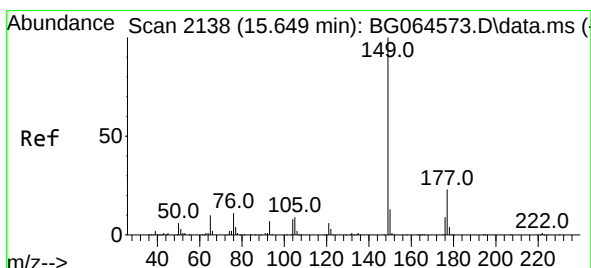
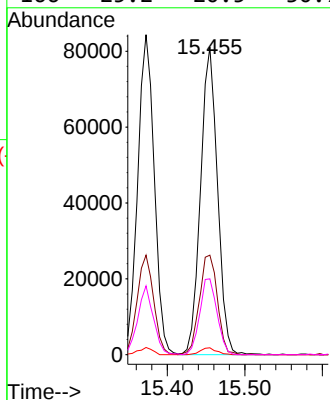
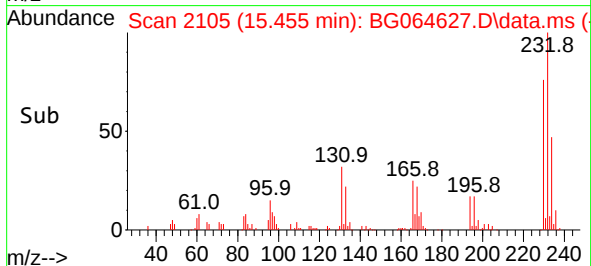
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:232 Resp: 122950  
Ion Ratio Lower Upper  
232 100  
131 34.4 26.7 40.1  
130 2.1 1.6 2.4  
166 25.2 20.5 30.7

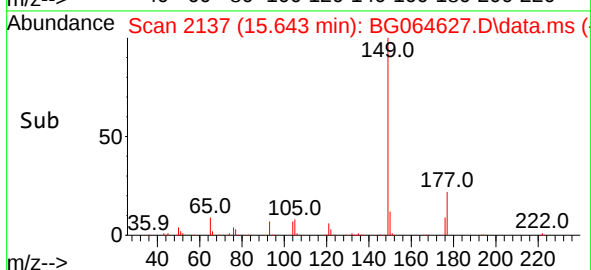
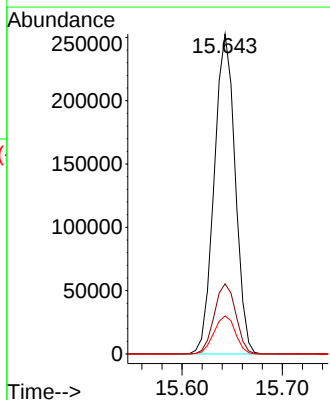
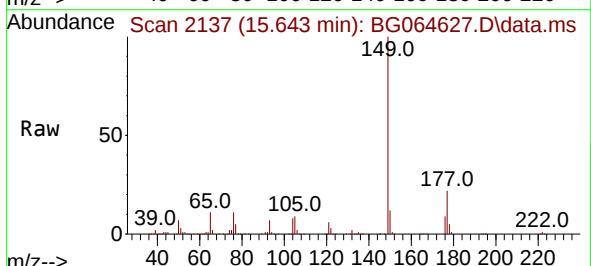
Manual Integrations  
APPROVED

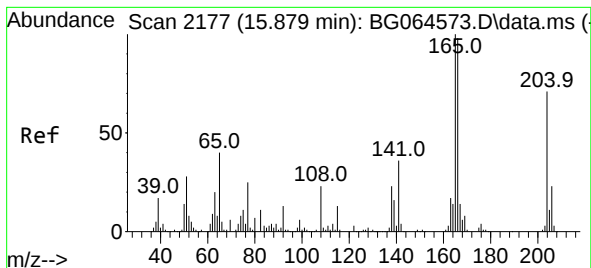
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#60  
Diethylphthalate  
Concen: 50.036 ng  
RT: 15.643 min Scan# 2137  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

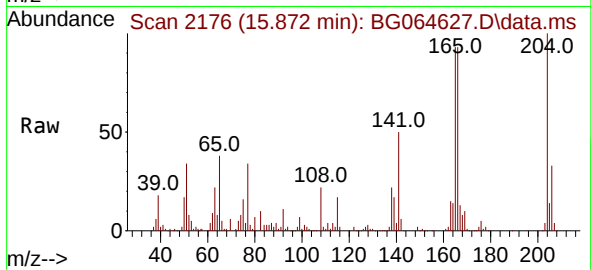
Tgt Ion:149 Resp: 365971  
Ion Ratio Lower Upper  
149 100  
177 21.9 18.0 27.0  
150 11.9 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 50.956 ng  
RT: 15.872 min Scan# 2176  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

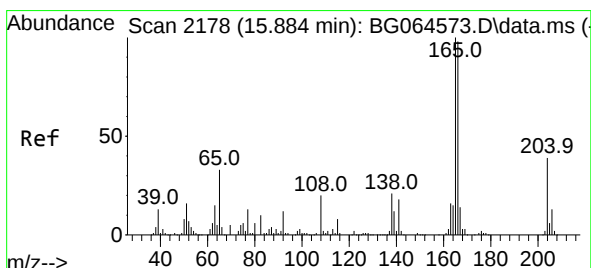
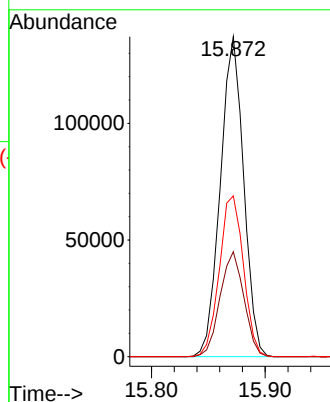
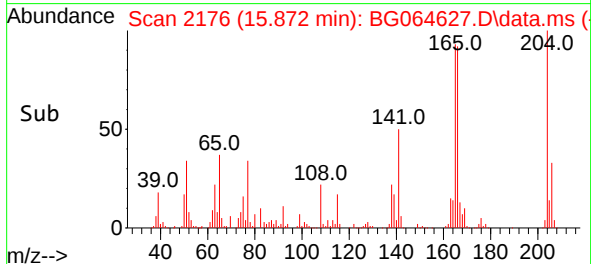
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



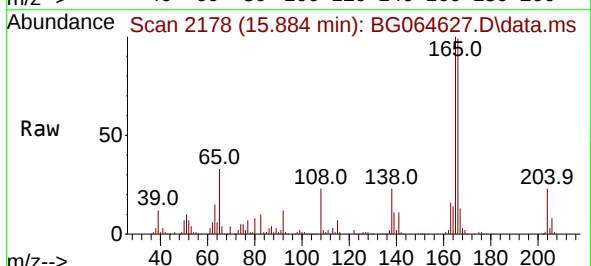
Tgt Ion:204 Resp: 195464  
Ion Ratio Lower Upper  
204 100  
206 32.8 25.6 38.4  
141 50.2 40.6 60.8

Manual Integrations  
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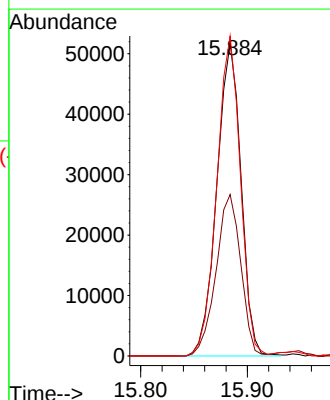
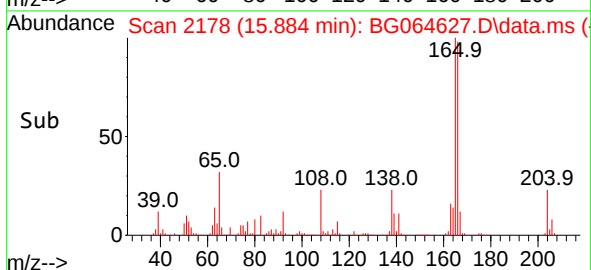
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

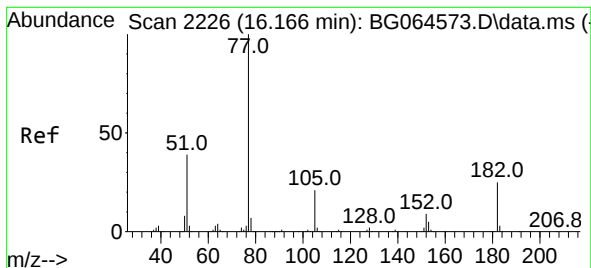


#62  
4-Nitroaniline  
Concen: 59.481 ng  
RT: 15.884 min Scan# 2178  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



Tgt Ion:138 Resp: 81463  
Ion Ratio Lower Upper  
138 100  
92 51.6 36.1 76.1  
108 102.3 75.6 115.6





#63

Azobenzene

Concen: 53.492 ng

RT: 16.160 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064627.D

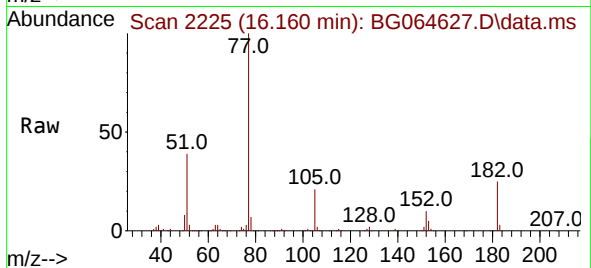
Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion: 77 Resp: 35898

Ion Ratio Lower Upper

77 100

182 24.7 4.9 44.9

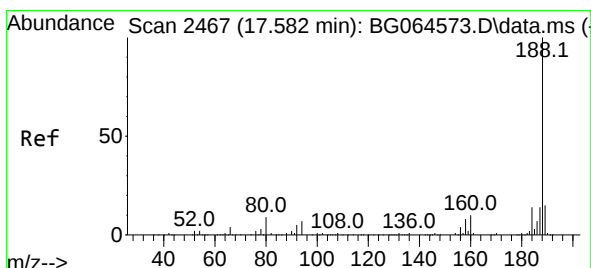
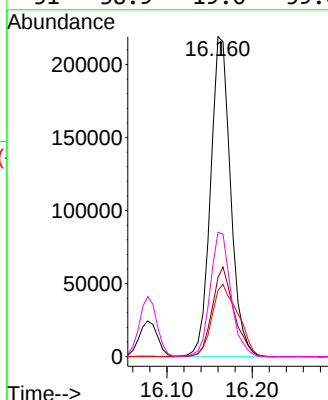
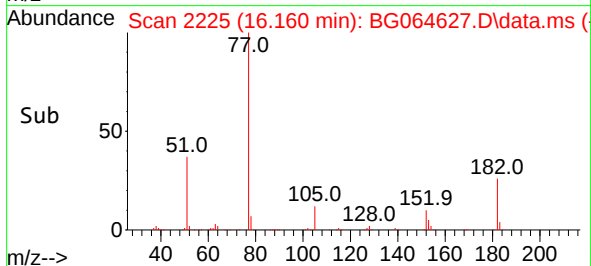
105 20.7 1.3 41.3

51 38.9 19.0 59.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.576 min Scan# 2466

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

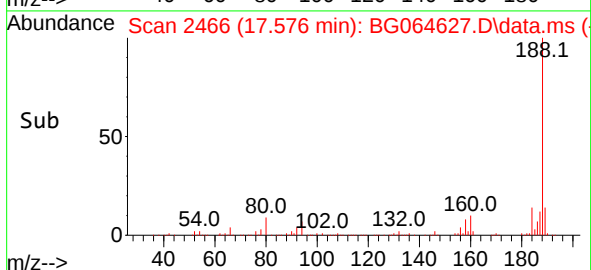
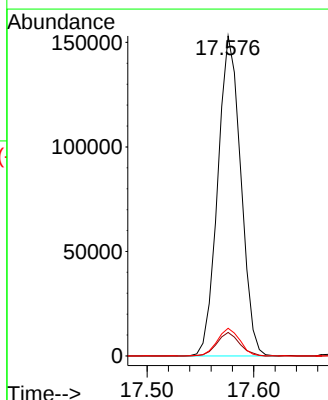
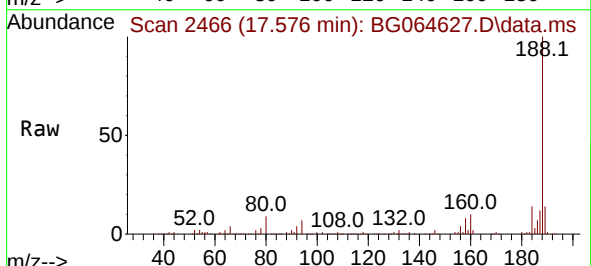
Tgt Ion:188 Resp: 229619

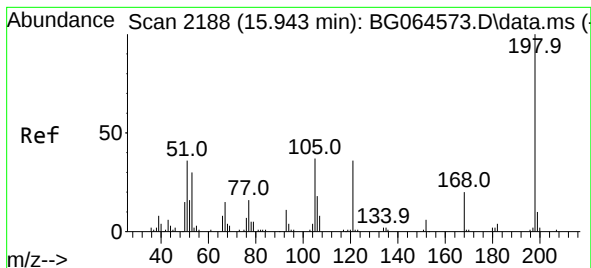
Ion Ratio Lower Upper

188 100

94 7.4 5.7 8.5

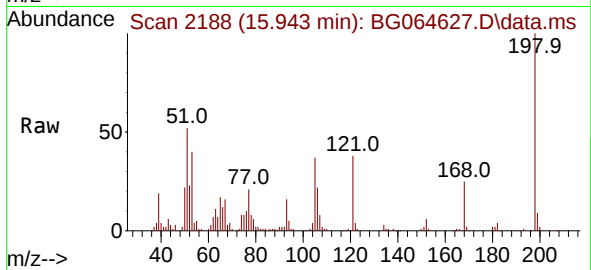
80 8.6 6.8 10.2





#65  
4,6-Dinitro-2-methylphenol  
Concen: 64.726 ng  
RT: 15.943 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

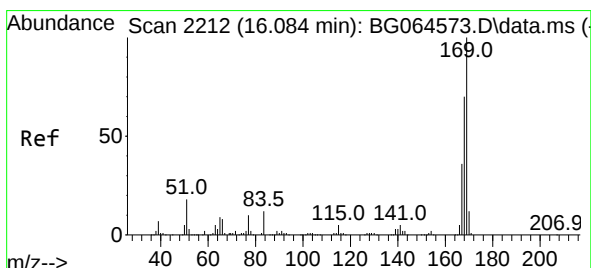
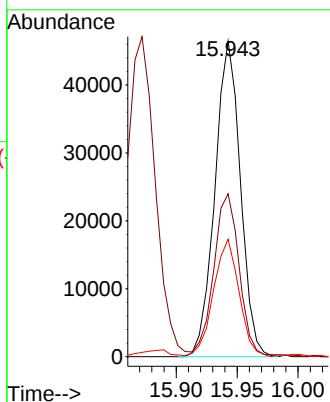
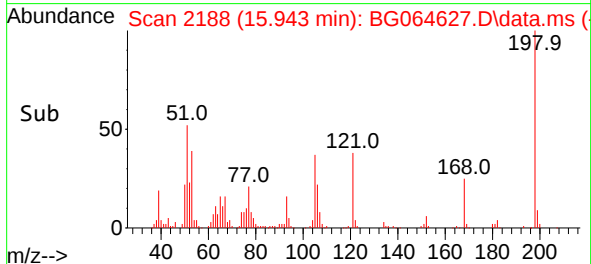
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



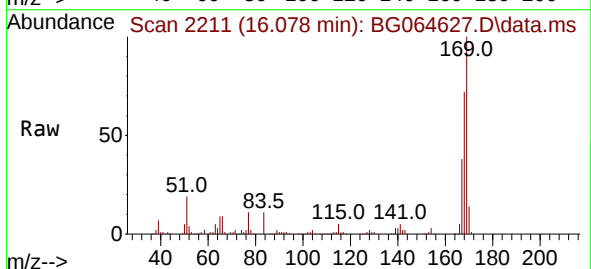
Tgt Ion:198 Resp: 6755  
Ion Ratio Lower Upper  
198 100  
51 51.6 24.7 64.7  
105 37.2 18.0 58.0

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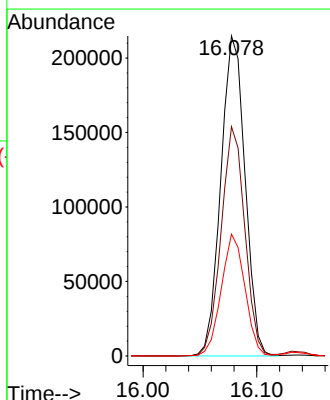
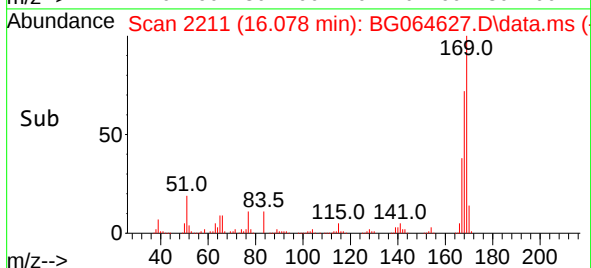
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#66  
n-Nitrosodiphenylamine  
Concen: 51.265 ng  
RT: 16.078 min Scan# 2211  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



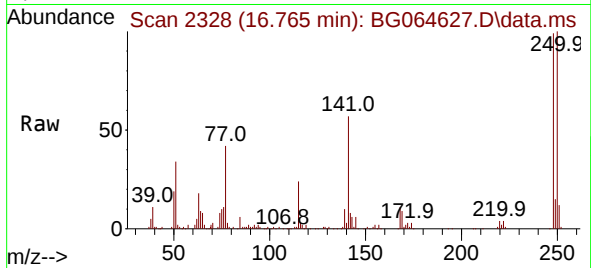
Tgt Ion:169 Resp: 317977  
Ion Ratio Lower Upper  
169 100  
168 71.6 56.3 84.5  
167 38.1 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 52.025 ng  
RT: 16.765 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

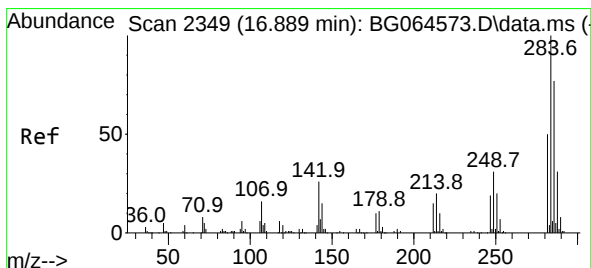
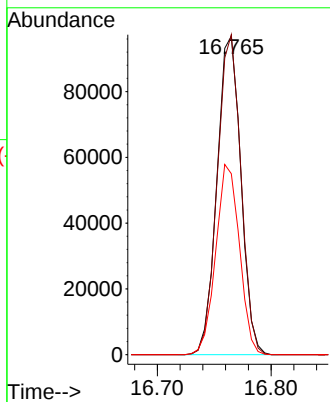
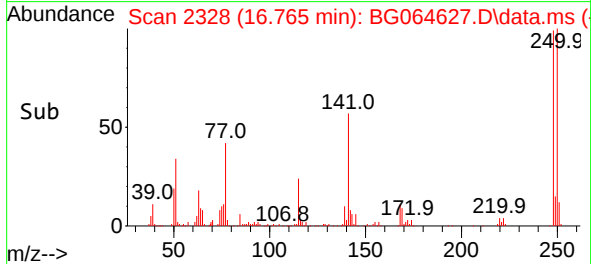
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:248 Resp: 141564  
Ion Ratio Lower Upper  
248 100  
250 100.5 77.7 116.5  
141 56.9 48.6 72.8

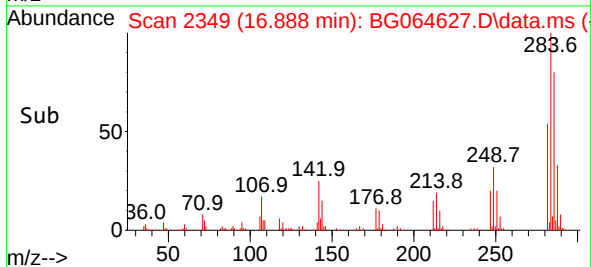
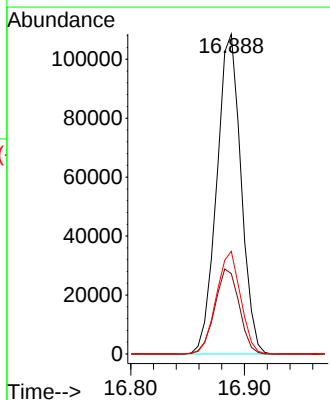
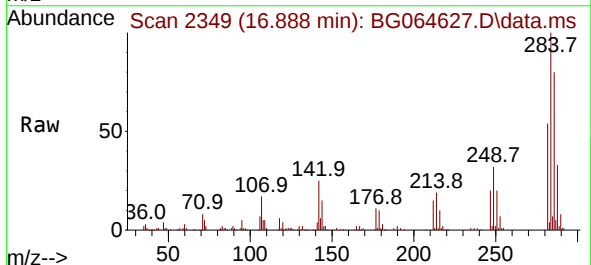
Manual Integrations  
APPROVED

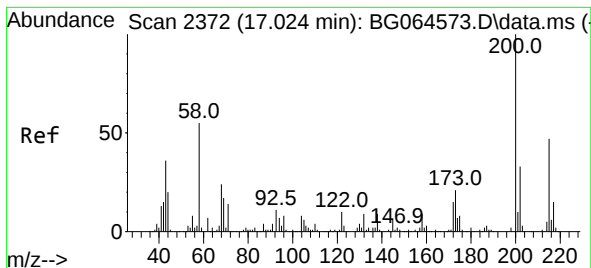
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#68  
Hexachlorobenzene  
Concen: 51.826 ng  
RT: 16.888 min Scan# 2349  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Tgt Ion:284 Resp: 160884  
Ion Ratio Lower Upper  
284 100  
142 25.1 21.0 31.6  
249 34.2 24.9 37.3





#69

Atrazine

Concen: 55.064 ng

RT: 17.018 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

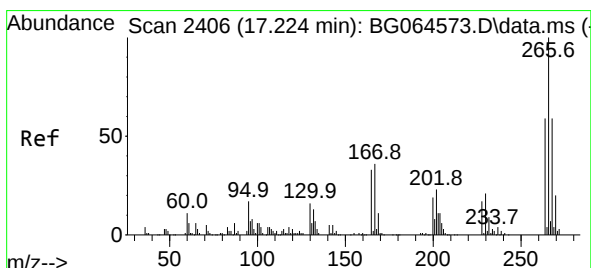
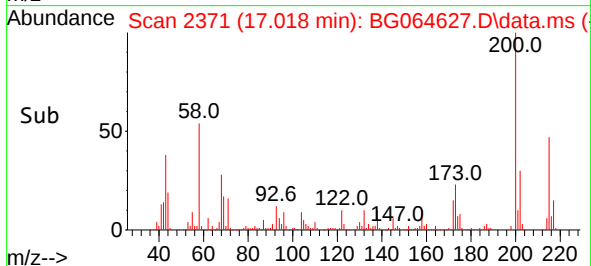
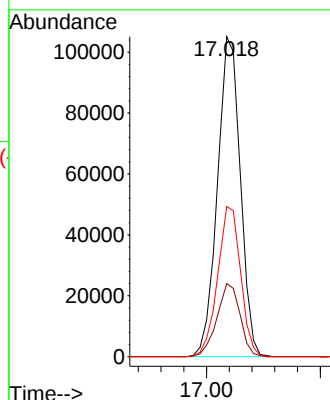
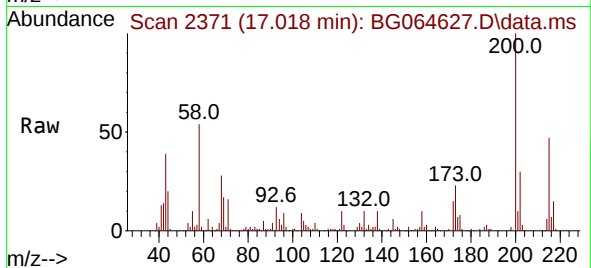
PR-132-S16-015094-20251021MS

Tgt Ion:200 Resp: 146978  
 Ion Ratio Lower Upper  
 200 100  
 173 22.8 0.9 40.9  
 215 46.9 27.0 67.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025  
 Supervised By :mohammad ahmed 11/05/2025



#70

Pentachlorophenol

Concen: 113.709 ng

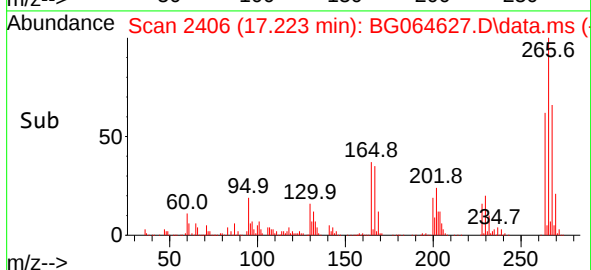
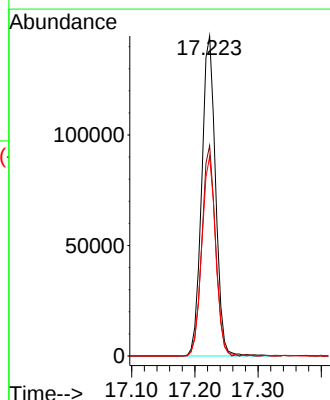
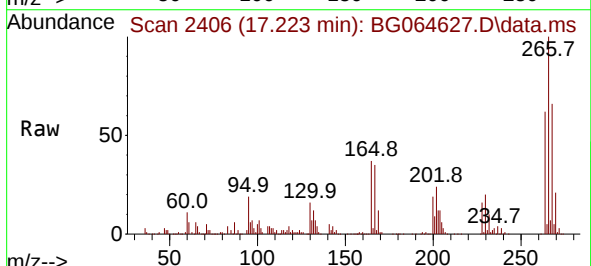
RT: 17.223 min Scan# 2406

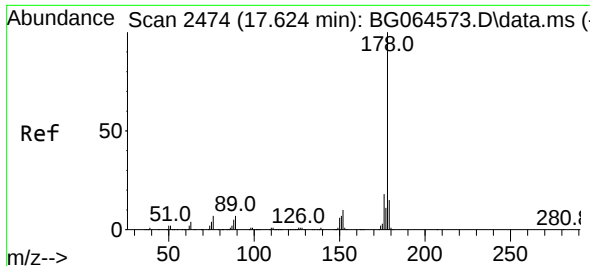
Delta R.T. -0.001 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

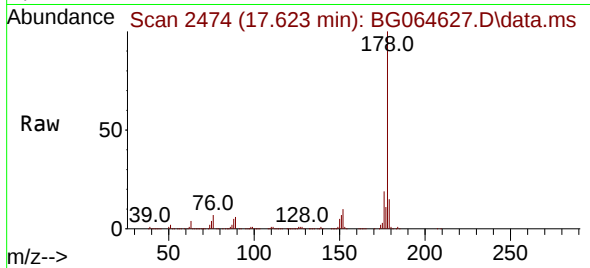
Tgt Ion:266 Resp: 220117  
 Ion Ratio Lower Upper  
 266 100  
 268 65.7 50.3 75.5  
 264 62.3 47.3 70.9





#71  
Phenanthrene  
Concen: 50.519 ng  
RT: 17.623 min Scan# 2474  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

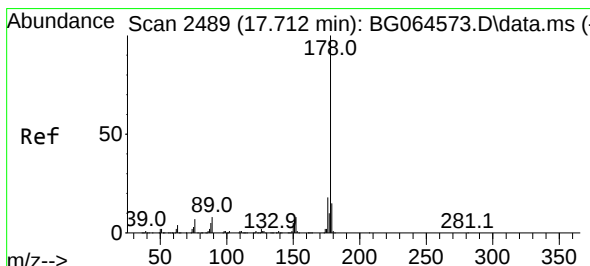
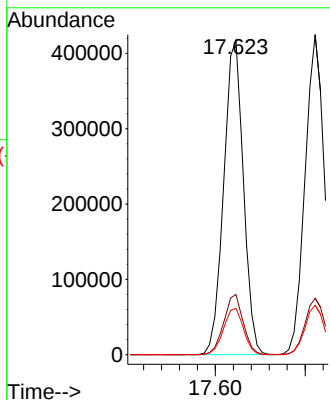
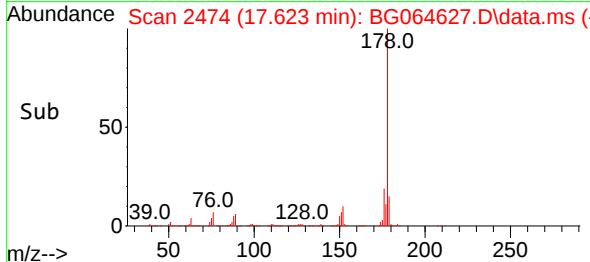
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:178 Resp: 634368  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.7 22.1  
179 14.8 12.2 18.4

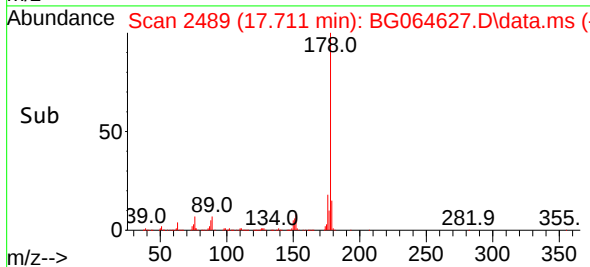
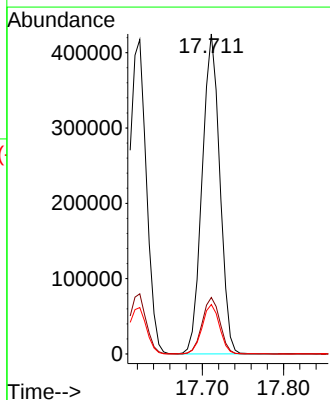
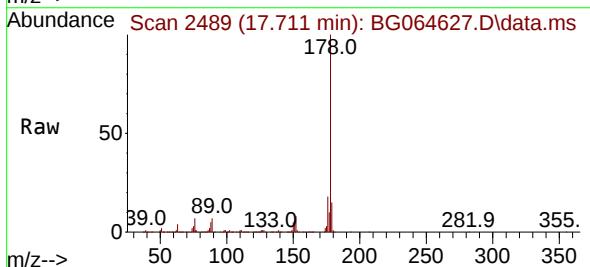
Manual Integrations  
APPROVED

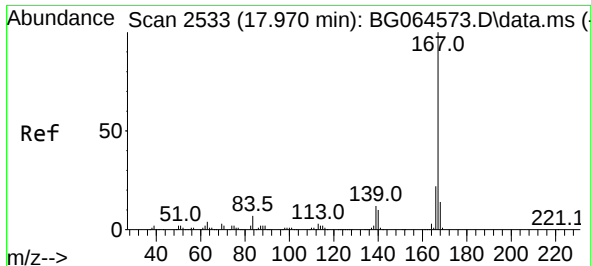
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#72  
Anthracene  
Concen: 50.069 ng  
RT: 17.711 min Scan# 2489  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

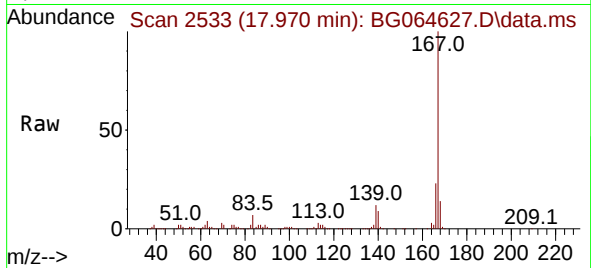
Tgt Ion:178 Resp: 639545  
Ion Ratio Lower Upper  
178 100  
176 17.6 14.4 21.6  
179 15.4 12.4 18.6





#73  
 Carbazole  
 Concen: 51.232 ng  
 RT: 17.970 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG064627.D  
 Acq: 29 Oct 2025 17:34

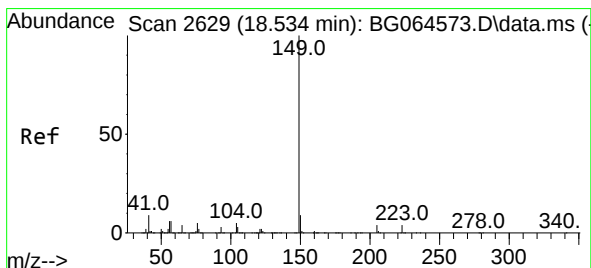
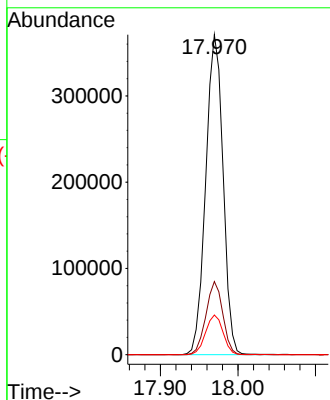
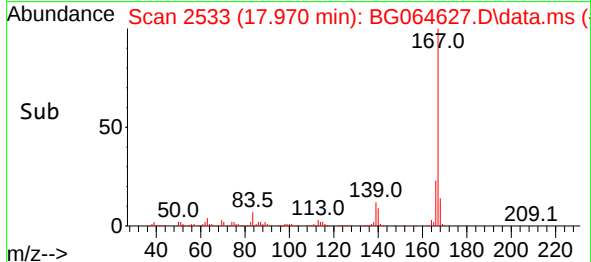
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-132-S16-015094-20251021MS



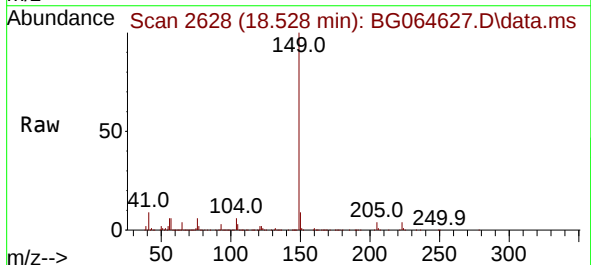
Tgt Ion:167 Resp: 57706  
 Ion Ratio Lower Upper  
 167 100  
 166 22.9 17.9 26.9  
 139 12.4 9.7 14.5

Manual Integrations  
 APPROVED

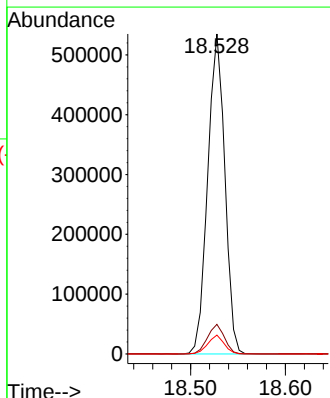
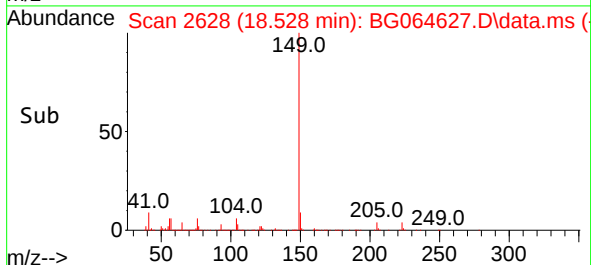
Reviewed By :Jagrut Upadhyay 11/04/2025  
 Supervised By :mohammad ahmed 11/05/2025

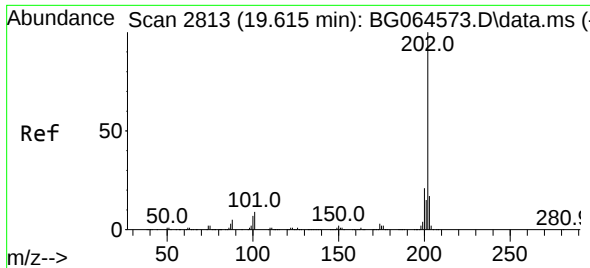


#74  
 Di-n-butylphthalate  
 Concen: 51.496 ng  
 RT: 18.528 min Scan# 2628  
 Delta R.T. -0.007 min  
 Lab File: BG064627.D  
 Acq: 29 Oct 2025 17:34



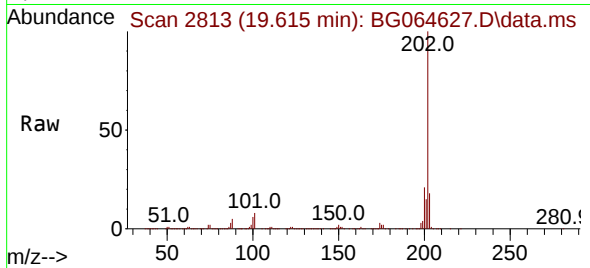
Tgt Ion:149 Resp: 670737  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.0 10.6  
 104 5.9 4.1 6.1





#75  
Fluoranthene  
Concen: 51.033 ng  
RT: 19.615 min Scan# 2813  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

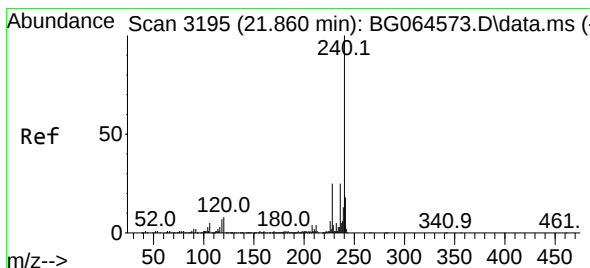
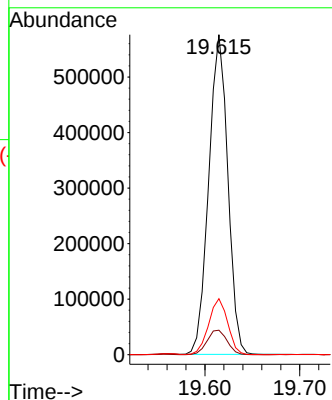
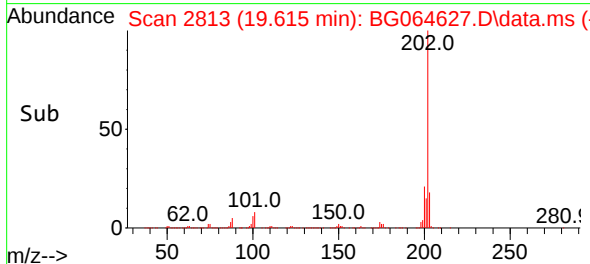
Instrument : BNA\_G  
ClientSampleId : PR-132-S16-015094-20251021MS



Tgt Ion:202 Resp: 80277  
Ion Ratio Lower Upper  
202 100  
101 7.7 0.0 28.7  
203 17.5 0.0 37.0

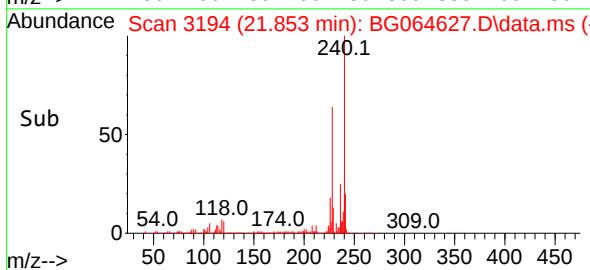
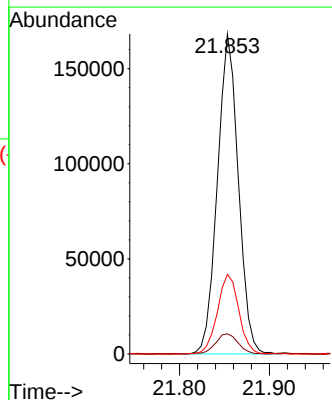
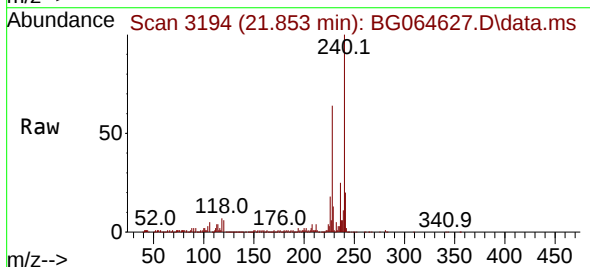
Manual Integrations  
APPROVED

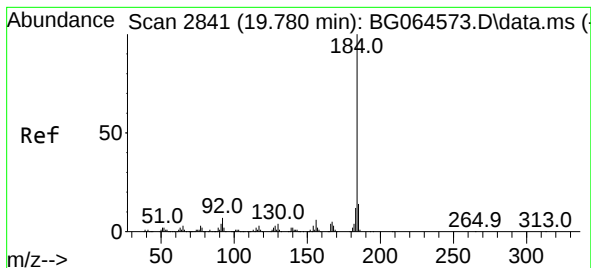
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.853 min Scan# 3194  
Delta R.T. -0.007 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Tgt Ion:240 Resp: 271892  
Ion Ratio Lower Upper  
240 100  
120 6.3 6.5 9.7#  
236 24.8 20.2 30.2





#77

Benzidine

Concen: 41.873 ng

RT: 19.779 min Scan# 2841

Delta R.T. -0.001 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

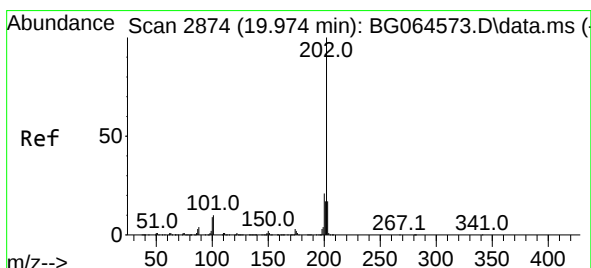
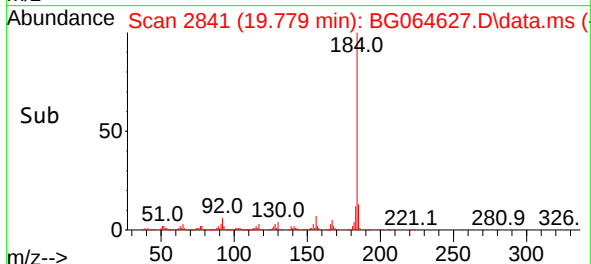
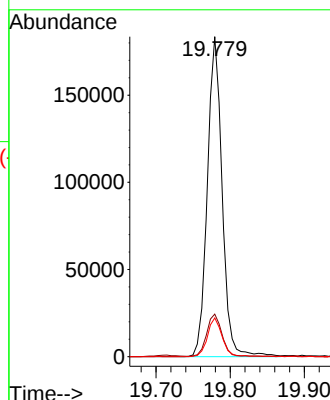
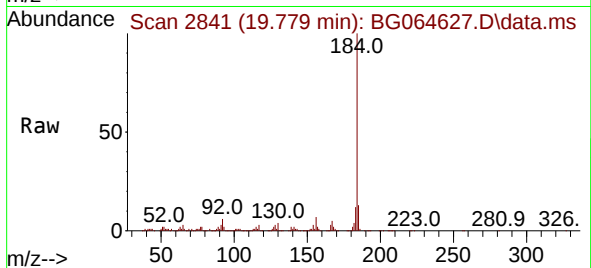
PR-132-S16-015094-20251021MS

|             |              |
|-------------|--------------|
| Tgt Ion:184 | Resp: 255069 |
| Ion Ratio   | Lower Upper  |
| 184 100     |              |
| 185 13.3    | 11.4 17.2    |
| 183 12.1    | 9.4 14.2     |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#78

Pyrene

Concen: 47.400 ng

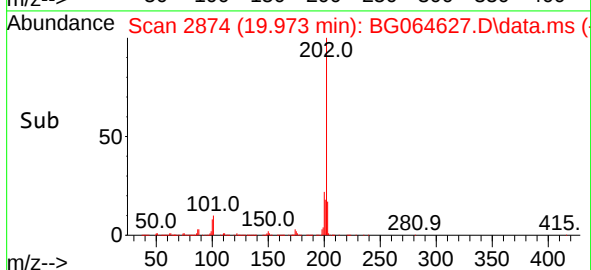
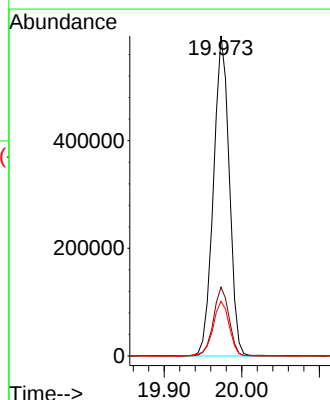
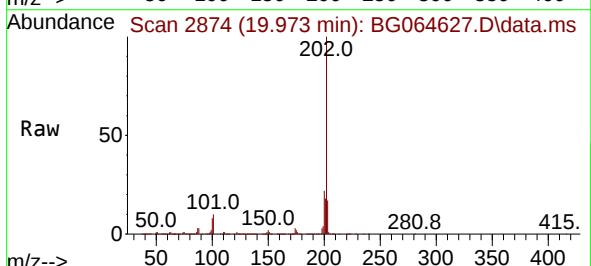
RT: 19.973 min Scan# 2874

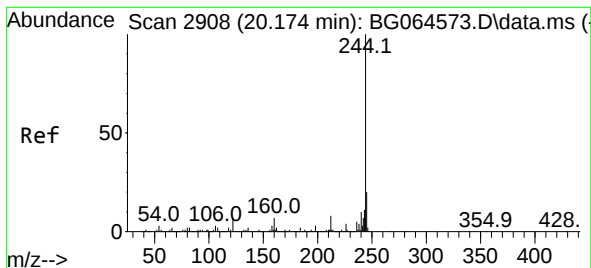
Delta R.T. -0.001 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 842015 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 200 21.5    | 17.0 25.4    |
| 203 17.1    | 13.8 20.6    |





#79

Terphenyl-d14

Concen: 60.445 ng

RT: 20.167 min Scan# 2908

Delta R.T. -0.007 min

Lab File: BG064627.D

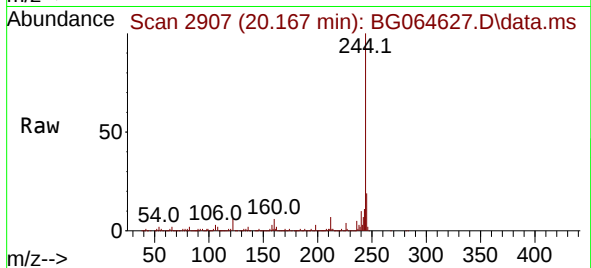
Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:244 Resp: 870859

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

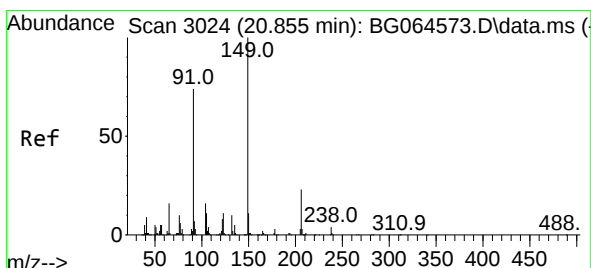
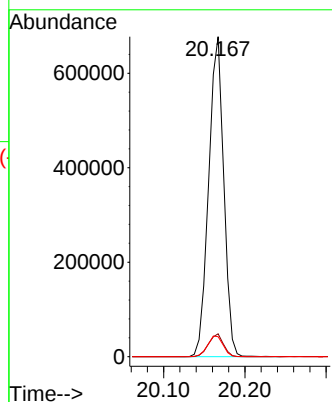
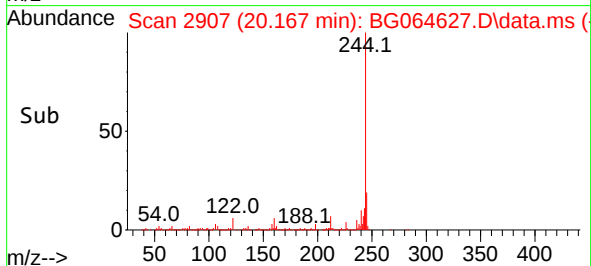
122 6.3 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#80

Butylbenzylphthalate

Concen: 57.734 ng

RT: 20.849 min Scan# 3023

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

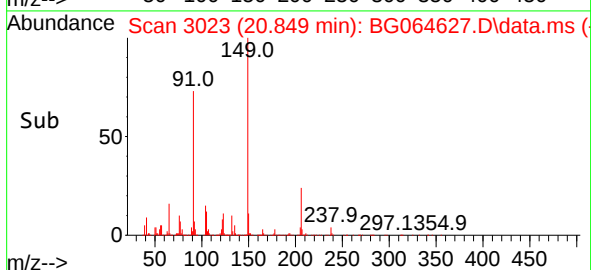
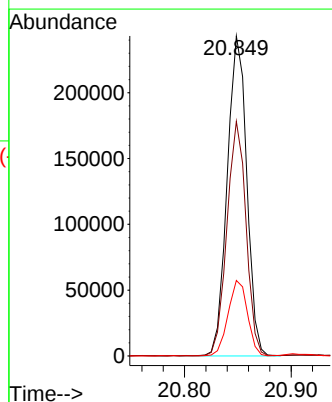
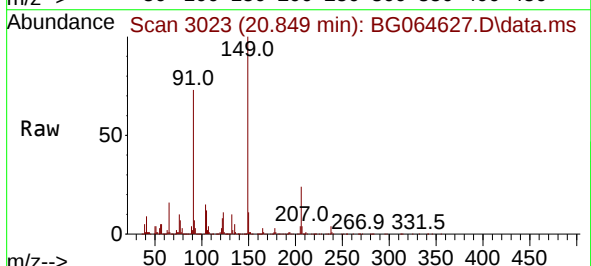
Tgt Ion:149 Resp: 309969

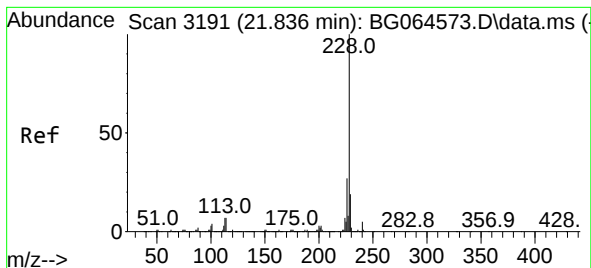
Ion Ratio Lower Upper

149 100

91 73.3 59.2 88.8

206 23.6 18.1 27.1





#81

Benzo(a)anthracene

Concen: 50.774 ng

RT: 21.836 min Scan# 3191

Delta R.T. -0.001 min

Lab File: BG064627.D

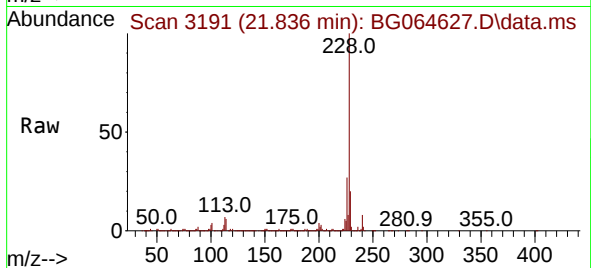
Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:228 Resp: 91534

Ion Ratio Lower Upper

228 100

226 27.2 21.9 32.9

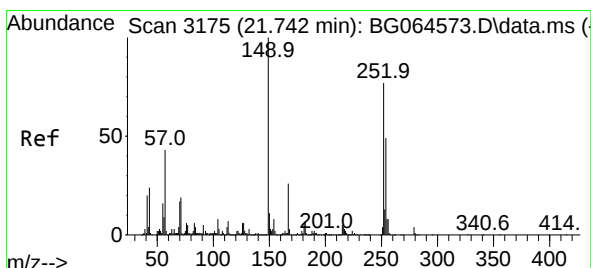
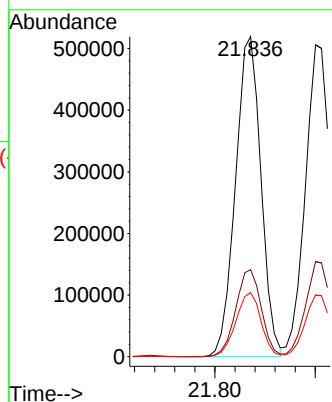
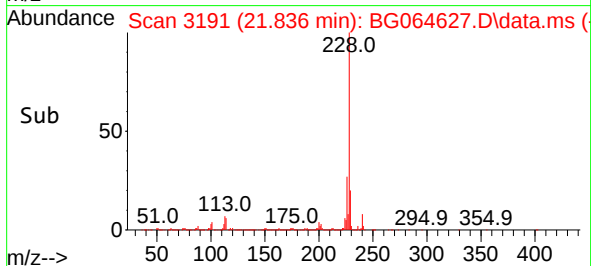
229 20.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#82

3,3'-Dichlorobenzidine

Concen: 27.720 ng

RT: 21.736 min Scan# 3174

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

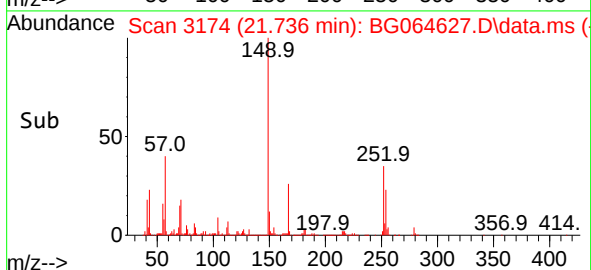
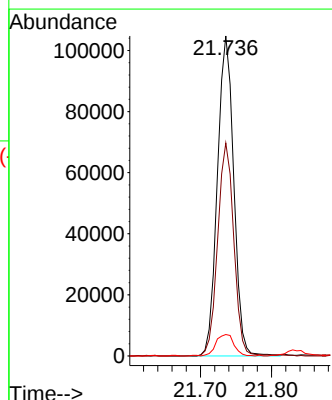
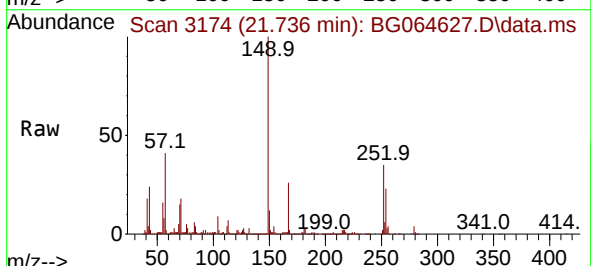
Tgt Ion:252 Resp: 166879

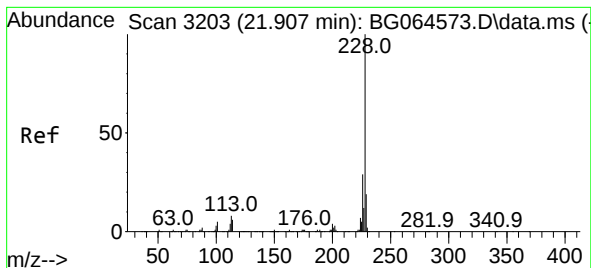
Ion Ratio Lower Upper

252 100

254 66.5 50.8 76.2

126 6.7 5.8 8.6





#83

Chrysene

Concen: 50.608 ng

RT: 21.900 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

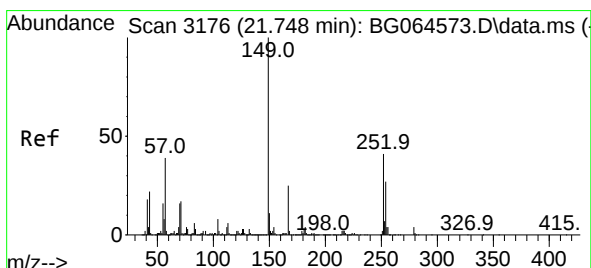
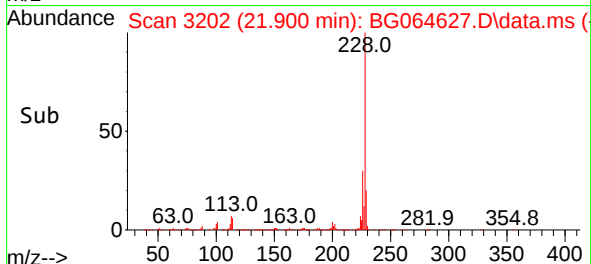
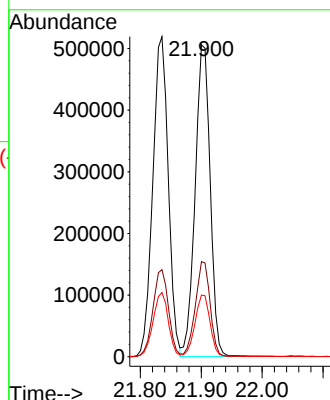
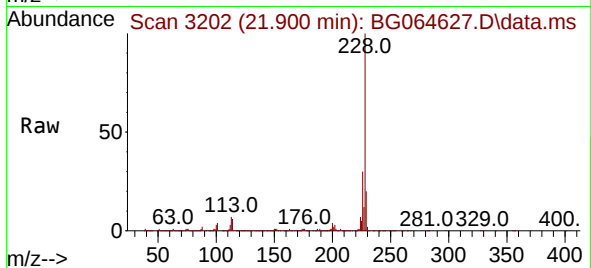
PR-132-S16-015094-20251021MS

Tgt Ion:228 Resp: 868130  
 Ion Ratio Lower Upper  
 228 100  
 226 30.5 23.3 34.9  
 229 19.8 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
 Supervised By :mohammad ahmed 11/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.183 ng

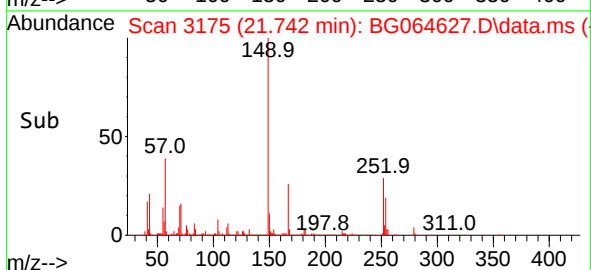
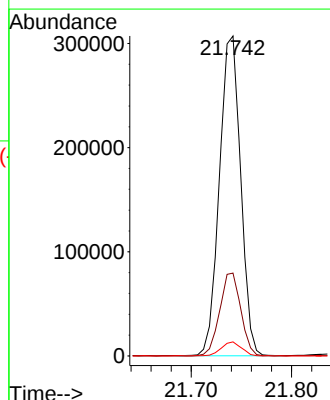
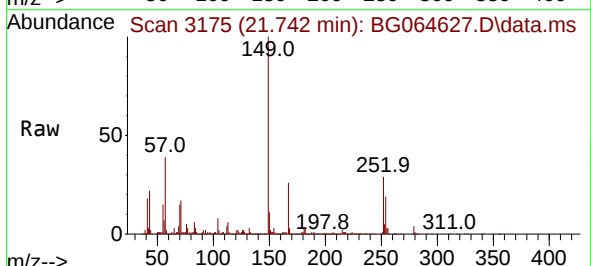
RT: 21.742 min Scan# 3175

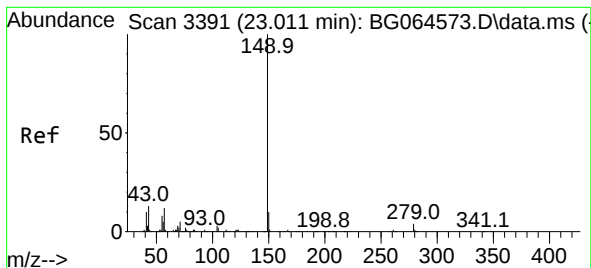
Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 450725  
 Ion Ratio Lower Upper  
 149 100  
 167 25.9 20.0 30.0  
 279 4.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 57.277 ng

RT: 22.999 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064627.D

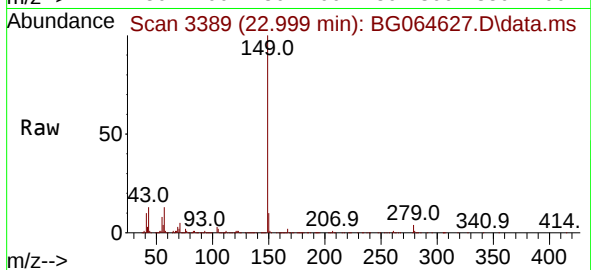
Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS



Tgt Ion:149 Resp: 77472

Ion Ratio Lower Upper

149 100

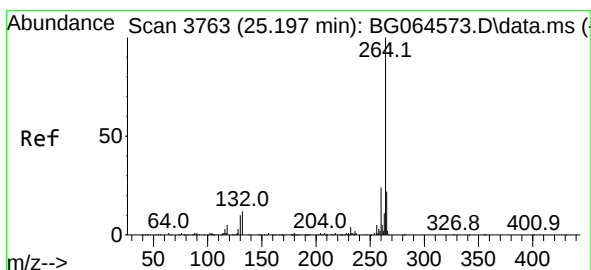
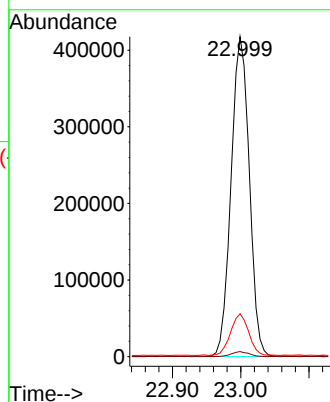
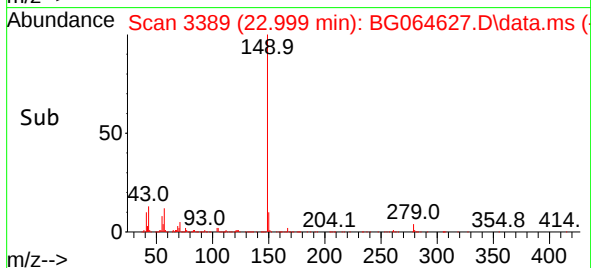
167 1.6 1.3 1.9

43 12.8 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.191 min Scan# 3762

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

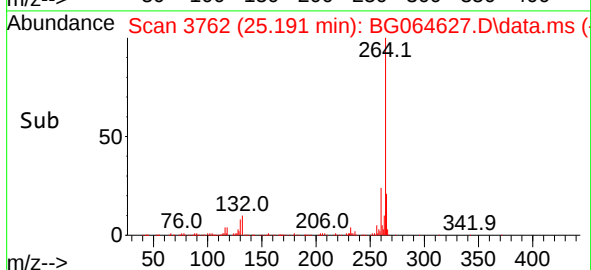
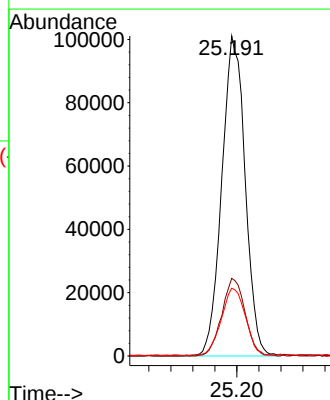
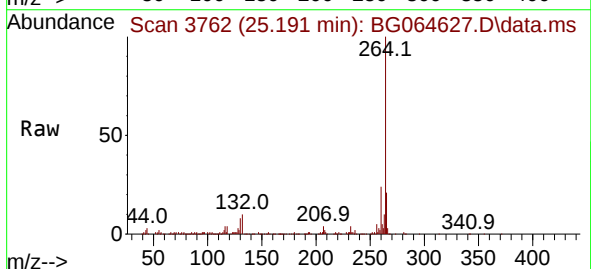
Tgt Ion:264 Resp: 296767

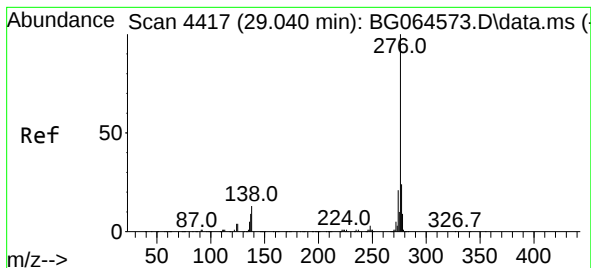
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 21.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.200 ng

RT: 29.033 min Scan# 4417

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

Instrument :

BNA\_G

ClientSampleId :

PR-132-S16-015094-20251021MS

Tgt Ion:276 Resp: 111774

Ion Ratio Lower Upper

276 100

138 10.1 10.8 16.2

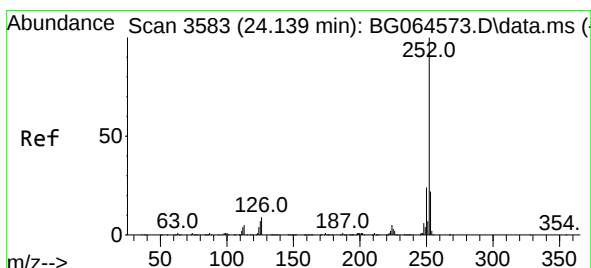
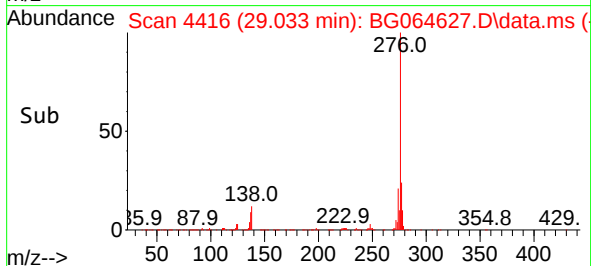
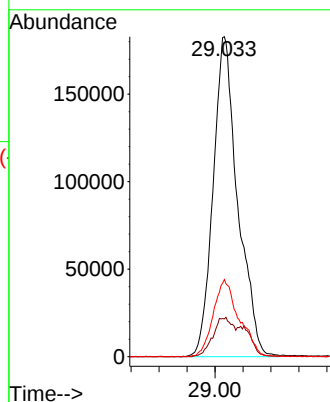
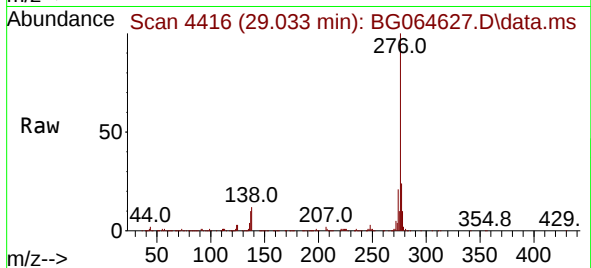
277 25.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#88

Benzo(b)fluoranthene

Concen: 50.237 ng

RT: 24.133 min Scan# 3582

Delta R.T. -0.007 min

Lab File: BG064627.D

Acq: 29 Oct 2025 17:34

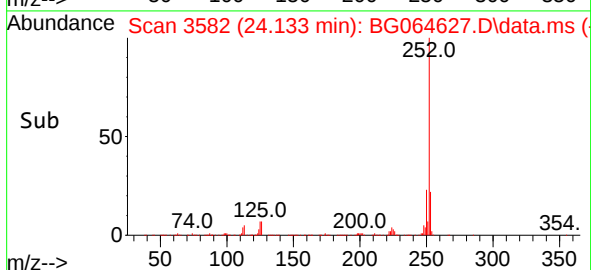
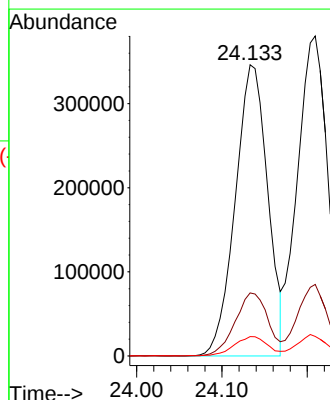
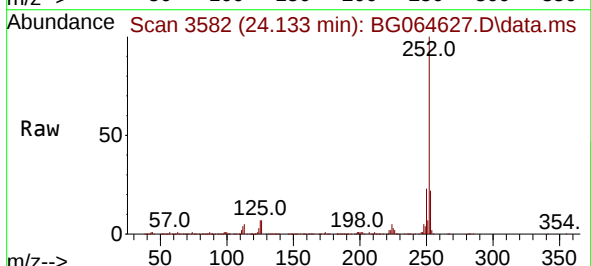
Tgt Ion:252 Resp: 914206

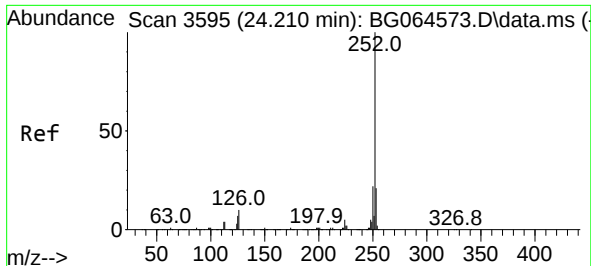
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

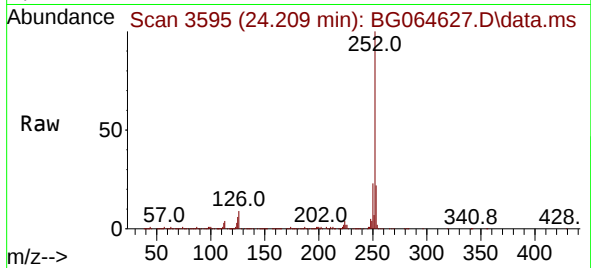
125 6.6 5.6 8.4





#89  
Benzo(k)fluoranthene  
Concen: 51.482 ng  
RT: 24.209 min Scan# 3595  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

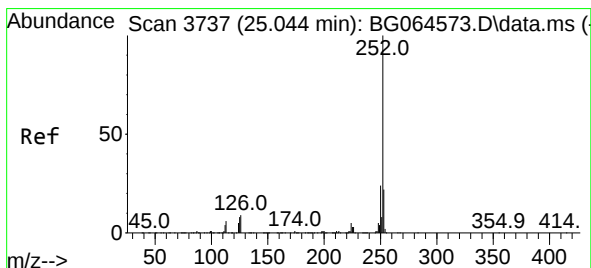
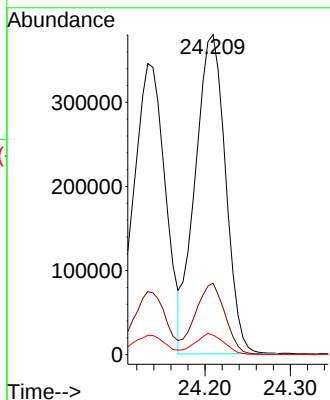
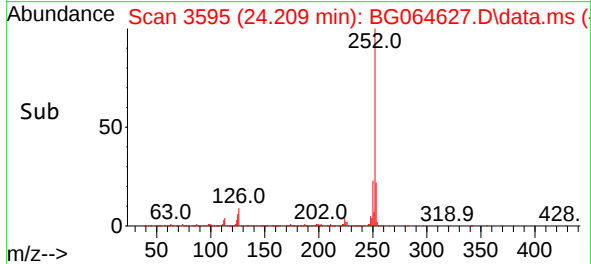
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



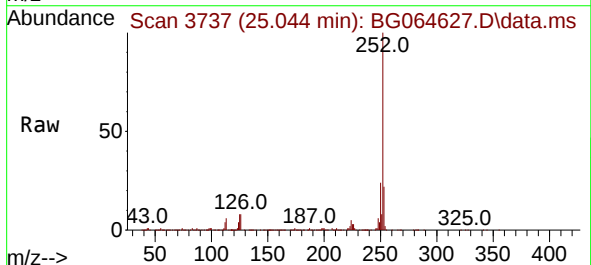
Tgt Ion:252 Resp: 937490  
Ion Ratio Lower Upper  
252 100  
253 22.4 16.8 25.2  
125 6.1 5.4 8.0

Manual Integrations  
APPROVED

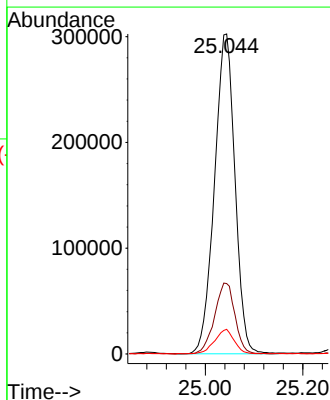
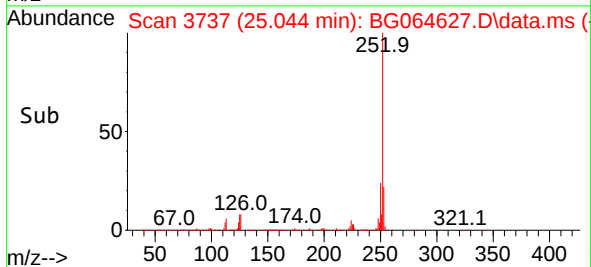
Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025

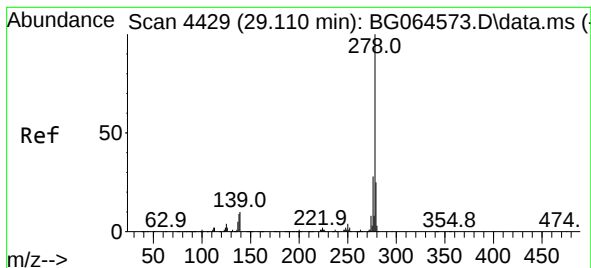


#90  
Benzo(a)pyrene  
Concen: 52.828 ng  
RT: 25.044 min Scan# 3737  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34



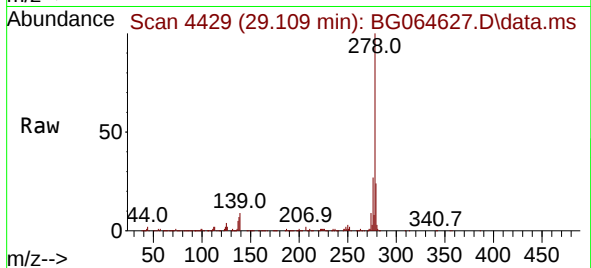
Tgt Ion:252 Resp: 883679  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 7.7 6.1 9.1





#91  
Dibenzo(a,h)anthracene  
Concen: 51.696 ng  
RT: 29.109 min Scan# 4429  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

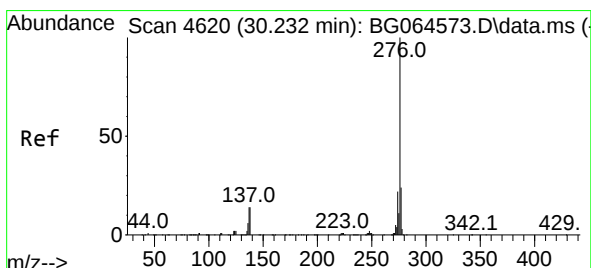
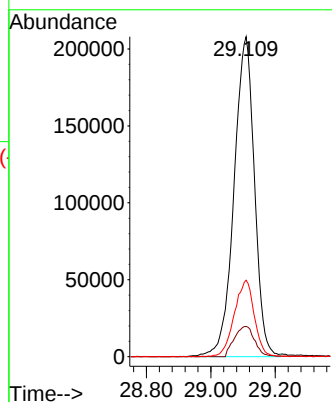
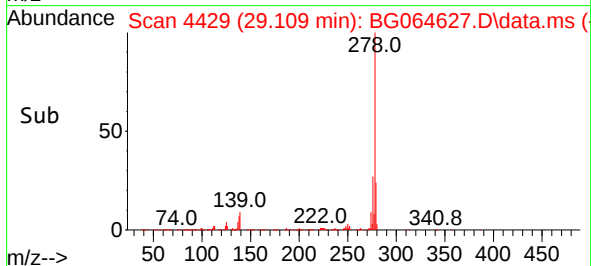
Instrument :  
BNA\_G  
ClientSampleId :  
PR-132-S16-015094-20251021MS



Tgt Ion:278 Resp: 91689  
Ion Ratio Lower Upper  
278 100  
139 9.4 8.0 12.0  
279 23.9 19.8 29.6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025  
Supervised By :mohammad ahmed 11/05/2025



#92  
Benzo(g,h,i)perylene  
Concen: 52.478 ng  
RT: 30.232 min Scan# 4620  
Delta R.T. -0.001 min  
Lab File: BG064627.D  
Acq: 29 Oct 2025 17:34

Tgt Ion:276 Resp: 889128  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.1 28.7  
138 13.7 11.3 16.9

