

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102925\  
 Data File : BG064624.D  
 Acq On : 29 Oct 2025 15:31  
 Operator : RC/JU  
 Sample : Q3477-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-MAHWAH-SOILMS

Quant Time: Oct 29 16:19:57 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 24 16:40:26 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.216  | 152  | 28985    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.042 | 136  | 118304   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.844 | 164  | 90635    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.576 | 188  | 223021   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.853 | 240  | 264828   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.196 | 264  | 294081   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.749  | 112  | 142331   | 82.423  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.353  | 99   | 213979   | 90.302  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.380  | 82   | 129070   | 65.528  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.319 | 330  | 135122   | 103.294 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.469 | 172  | 313191   | 52.377  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.167 | 244  | 733389   | 52.261  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.581  | 88   | 33406    | 43.695  | ng    | 95       |
| 3) Pyridine                   | 3.992  | 79   | 95785    | 41.721  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.898  | 42   | 63491    | 51.569  | ng    | 91       |
| 6) Aniline                    | 7.529  | 93   | 117876   | 36.558  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.776  | 128  | 104160   | 57.627  | ng    | 99       |
| 9) Benzaldehyde               | 7.335  | 77   | 59140    | 45.716  | ng    | 100      |
| 10) Phenol                    | 7.382  | 94   | 140120   | 53.469  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.529  | 93   | 117876   | 36.558  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.105  | 146  | 112137   | 53.903  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.252  | 146  | 112956   | 53.400  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.581  | 146  | 108970   | 53.409  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.445  | 79   | 109068   | 55.817  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.745  | 45   | 247079   | 48.889  | ng    | 98       |
| 17) 2-Methylphenol            | 8.445  | 107  | 54041    | 55.329  | ng    | 94       |
| 18) Hexachloroethane          | 9.321  | 117  | 41228    | 55.540  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 9.021  | 70   | 83692    | 51.106  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.974  | 107  | 127618   | 52.156  | ng    | 98       |
| 22) Acetophenone              | 9.039  | 105  | 171764   | 53.113  | ng    | 98       |
| 24) Nitrobenzene              | 9.421  | 77   | 121929   | 56.914  | ng    | 98       |
| 25) Isophorone                | 9.955  | 82   | 237041   | 50.153  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.143 | 139  | 55632    | 66.044  | ng    | # 90     |
| 27) 2,4-Dimethylphenol        | 10.190 | 122  | 104976   | 58.539  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.431 | 93   | 134040   | 49.810  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.678 | 162  | 106626   | 56.356  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.901 | 180  | 119735   | 55.698  | ng    | 99       |
| 31) Naphthalene               | 11.095 | 128  | 330368   | 50.367  | ng    | 99       |
| 32) Benzoic acid              | 10.320 | 122  | 89518    | 66.186  | ng    | 92       |
| 33) 4-Chloroaniline           | 11.183 | 127  | 63172    | 24.779  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.389 | 225  | 91193    | 54.243  | ng    | 98       |
| 35) Caprolactam               | 11.947 | 113  | 21712    | 29.920  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 12.294 | 107  | 126440   | 55.597  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.688 | 142  | 223174   | 46.343  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.905 | 142  | 230958   | 48.741  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 13.052 | 216  | 172647   | 56.759  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.034 | 237  | 231950   | 169.415 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.275 | 196  | 108348   | 62.272  | ng    | 93       |

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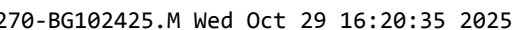
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-MAHWAH-SOILMS

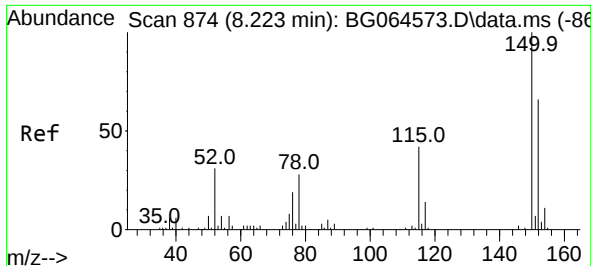
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 24 16:40:26 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.346 | 196  | 118844   | 59.189  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.681 | 154  | 351379   | 54.532  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.722 | 162  | 253161   | 52.050  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.910 | 65   | 96708    | 58.474  | ng    | 94       |
| 49) Acenaphthylene            | 14.568 | 152  | 452198   | 58.943  | ng    | 99       |
| 50) Dimethylphthalate         | 14.286 | 163  | 360615   | 51.996  | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.397 | 165  | 72296    | 62.167  | ng    | 95       |
| 52) Acenaphthene              | 14.903 | 154  | 309699   | 59.087  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.726 | 138  | 47973    | 40.250  | ng #  | 98       |
| 54) 2,4-Dinitrophenol         | 14.932 | 184  | 102510   | 141.388 | ng #  | 34       |
| 55) Dibenzofuran              | 15.238 | 168  | 434287   | 51.250  | ng    | 99       |
| 56) 4-Nitrophenol             | 15.020 | 139  | 143139   | 129.533 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 15.179 | 165  | 106219   | 59.269  | ng #  | 99       |
| 58) Fluorene                  | 15.884 | 166  | 340194   | 51.406  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.455 | 232  | 123971   | 64.568  | ng    | 99       |
| 60) Diethylphthalate          | 15.643 | 149  | 365128   | 51.562  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.872 | 204  | 190886   | 51.398  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.884 | 138  | 83324    | 62.839  | ng    | 95       |
| 63) Azobenzene                | 16.166 | 77   | 357643   | 55.044  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.943 | 198  | 70501    | 69.145  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 16.078 | 169  | 316466   | 52.531  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.765 | 248  | 142089   | 53.763  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.889 | 284  | 158302   | 52.503  | ng    | 98       |
| 69) Atrazine                  | 17.018 | 200  | 152826   | 58.949  | ng    | 97       |
| 70) Pentachlorophenol         | 17.223 | 266  | 229672   | 122.155 | ng    | 95       |
| 71) Phenanthrene              | 17.623 | 178  | 635196   | 52.082  | ng    | 99       |
| 72) Anthracene                | 17.711 | 178  | 640607   | 51.635  | ng    | 99       |
| 73) Carbazole                 | 17.970 | 167  | 586605   | 53.620  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.528 | 149  | 677589   | 53.561  | ng    | 99       |
| 75) Fluoranthene              | 19.615 | 202  | 820802   | 53.722  | ng    | 99       |
| 77) Benzidine                 | 19.779 | 184  | 335470   | 56.541  | ng    | 99       |
| 78) Pyrene                    | 19.973 | 202  | 845932   | 48.891  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.849 | 149  | 315774   | 60.384  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.836 | 228  | 946961   | 53.928  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.736 | 252  | 175979   | 30.012  | ng    | 98       |
| 83) Chrysene                  | 21.900 | 228  | 878221   | 52.562  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.742 | 149  | 461198   | 59.022  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.999 | 149  | 791535   | 60.081  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.033 | 276  | 1143062  | 52.837  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.139 | 252  | 936096   | 51.910  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.203 | 252  | 962350   | 53.329  | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.044 | 252  | 902072   | 54.420  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.104 | 278  | 937593   | 53.346  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.033 | 276  | 1143062  | 52.837  | ng    | 100      |

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

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QLast Update : Fri Oct 24 16:40:26 2025  
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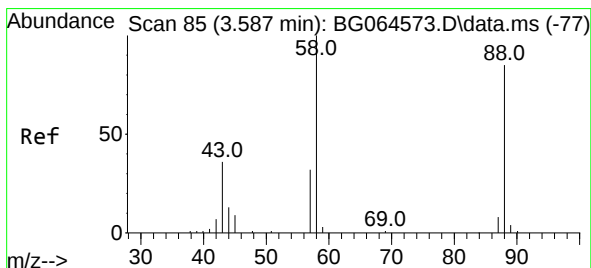
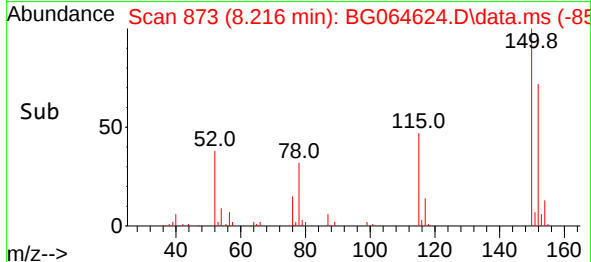
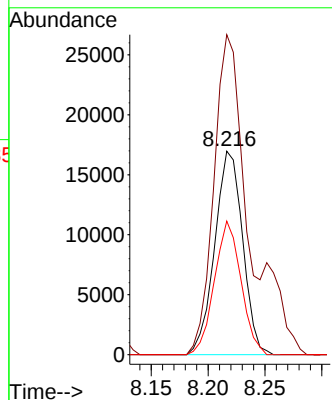
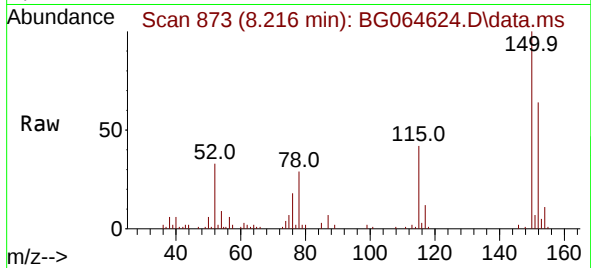




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.216 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

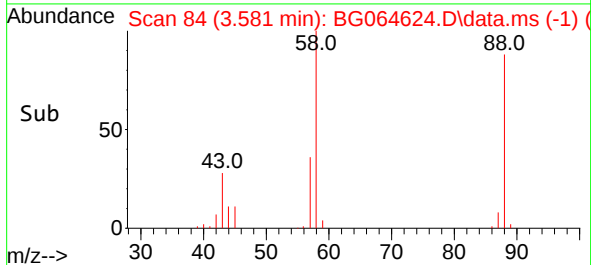
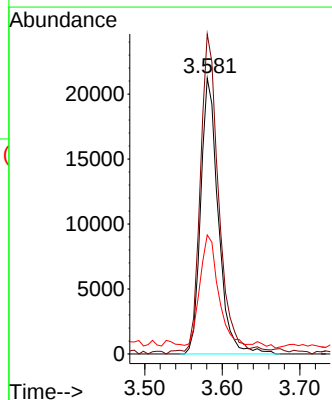
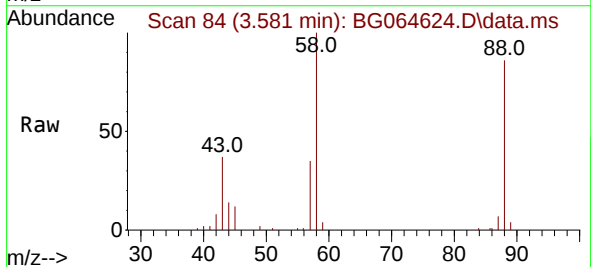
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

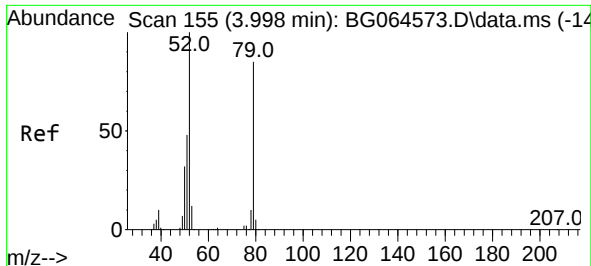
Tgt Ion:152 Resp: 28985  
Ion Ratio Lower Upper  
152 100  
150 157.2 122.2 183.4  
115 65.6 50.8 76.2



#2  
1,4-Dioxane  
Concen: 43.695 ng  
RT: 3.581 min Scan# 84  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

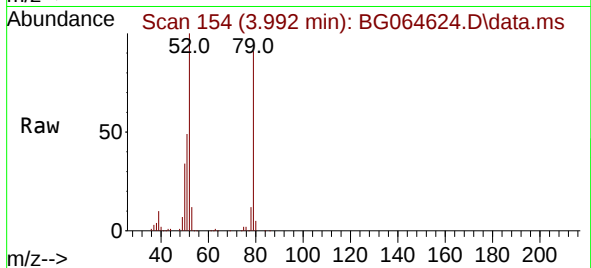
Tgt Ion: 88 Resp: 33406  
Ion Ratio Lower Upper  
88 100  
58 123.2 92.4 138.6  
43 41.6 33.0 49.6



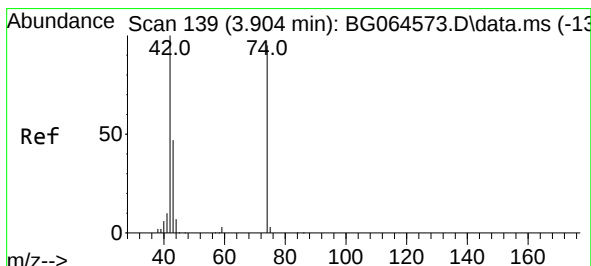
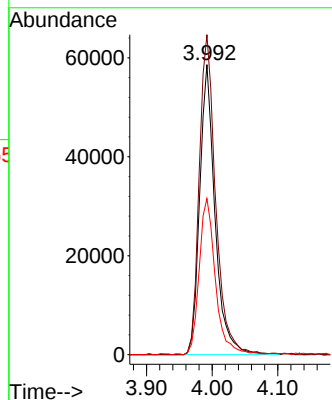
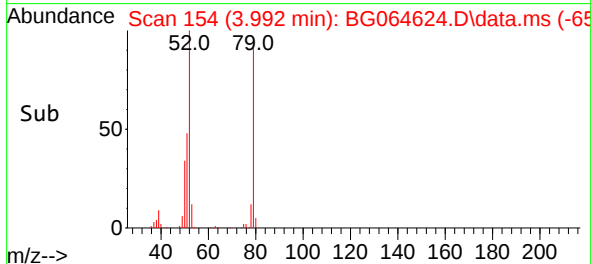


#3  
Pyridine  
Concen: 41.721 ng  
RT: 3.992 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Instrument :  
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ClientSampleId :  
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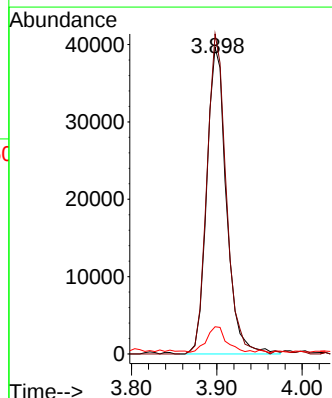
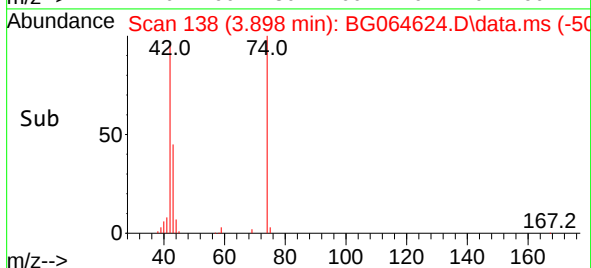
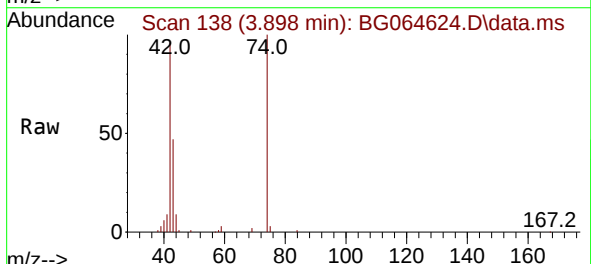


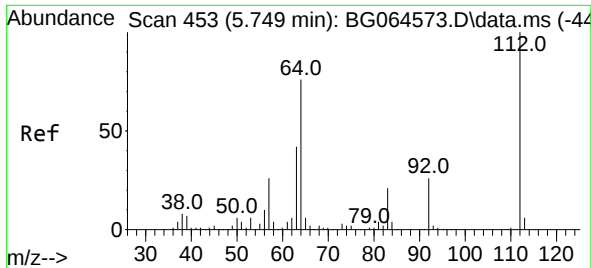
Tgt Ion: 79 Resp: 95785  
Ion Ratio Lower Upper  
79 100  
52 110.3 94.2 141.2  
51 53.8 46.1 69.1



#4  
n-Nitrosodimethylamine  
Concen: 51.569 ng  
RT: 3.898 min Scan# 138  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion: 42 Resp: 63491  
Ion Ratio Lower Upper  
42 100  
74 104.3 76.1 114.1  
44 8.9 6.3 9.5

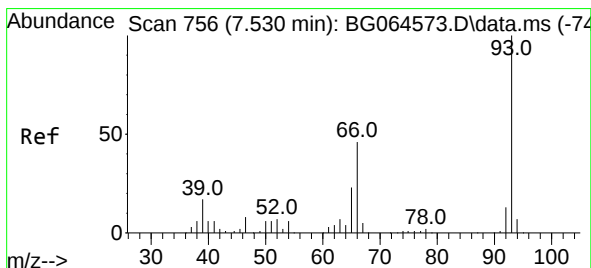
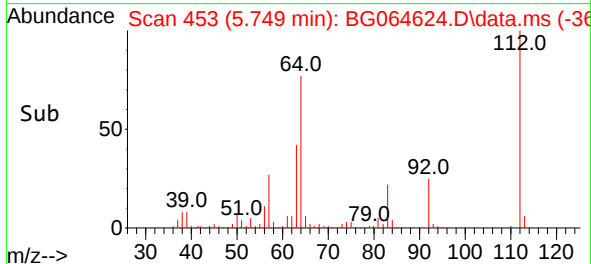
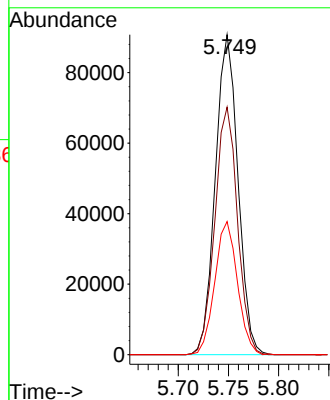
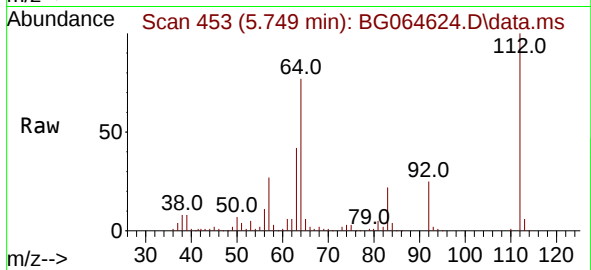




#5  
2-Fluorophenol  
Concen: 82.423 ng  
RT: 5.749 min Scan# 453  
Delta R.T. 0.002 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

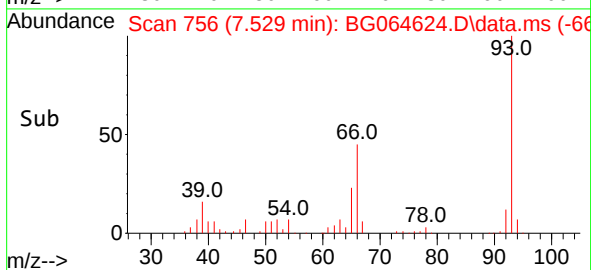
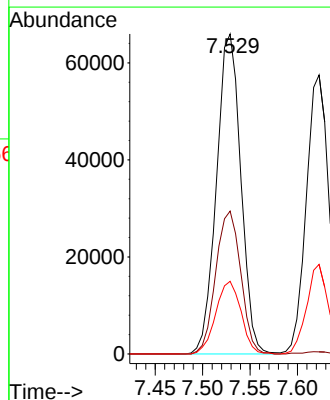
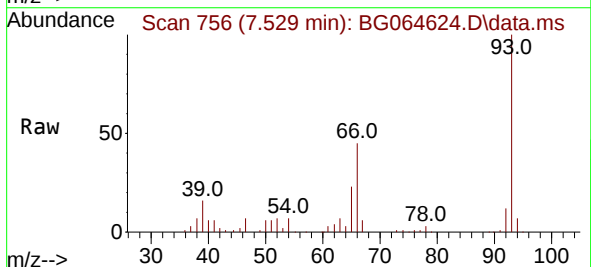
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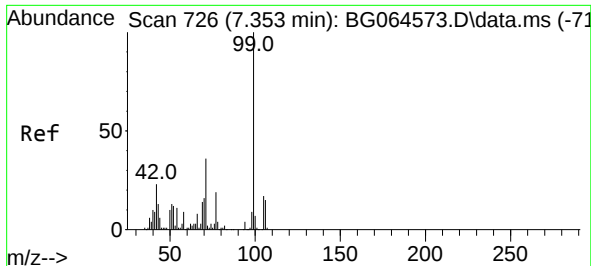
Tgt Ion:112 Resp: 142331  
Ion Ratio Lower Upper  
112 100  
64 77.4 60.7 91.1  
63 41.6 33.4 50.0



#6  
Aniline  
Concen: 36.558 ng  
RT: 7.529 min Scan# 756  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

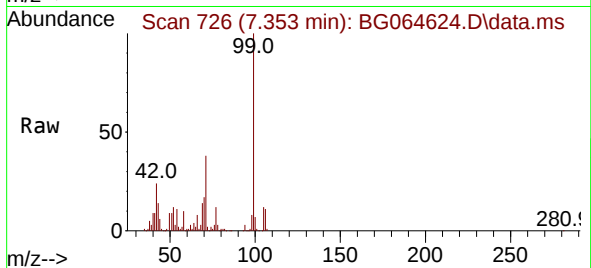
Tgt Ion: 93 Resp: 117876  
Ion Ratio Lower Upper  
93 100  
66 44.6 37.0 55.6  
65 22.7 18.3 27.5





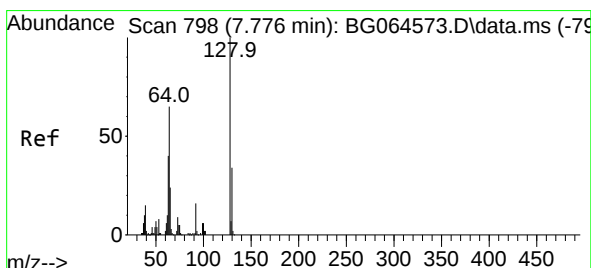
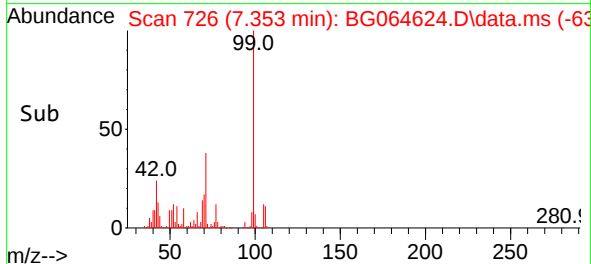
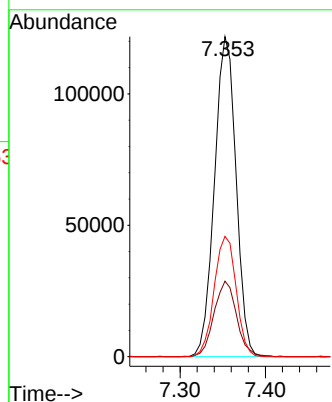
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Phenol-d6  
Concen: 90.302 ng  
RT: 7.353 min Scan# 726  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion: 99 Resp: 213979

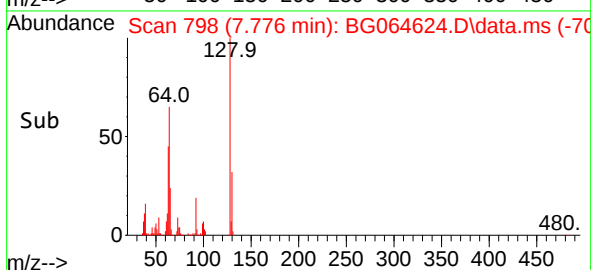
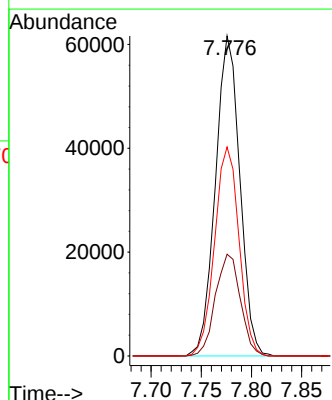
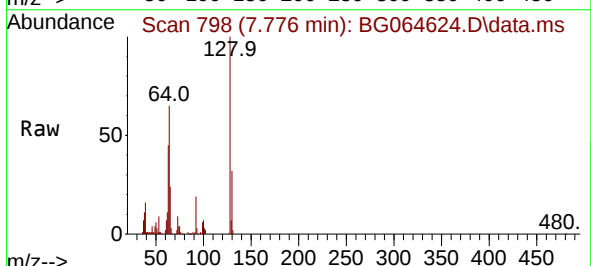
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.6  | 18.3  | 27.5  |
| 71  | 37.6  | 28.6  | 43.0  |

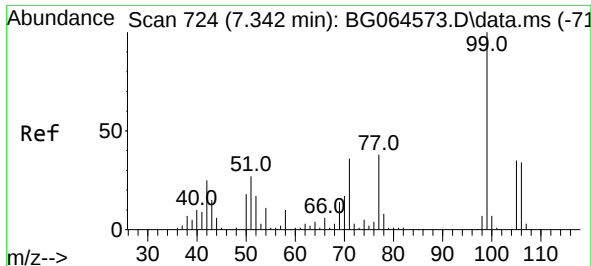


#8  
2-Chlorophenol  
Concen: 57.627 ng  
RT: 7.776 min Scan# 798  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion: 128 Resp: 104160

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.8  | 13.5  | 53.5  |
| 64  | 65.3  | 45.2  | 85.2  |

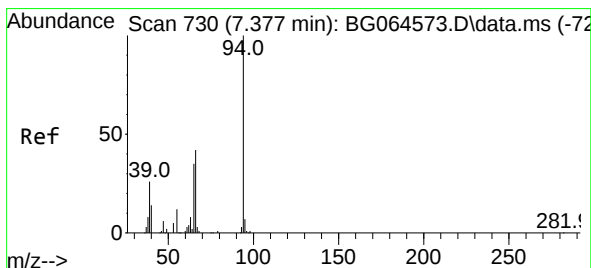
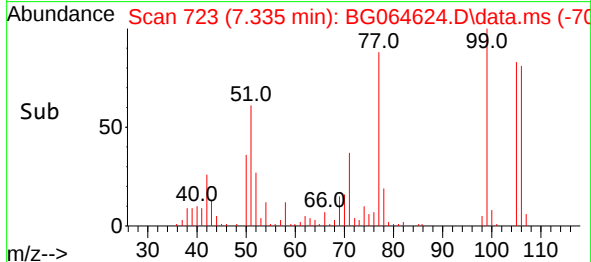
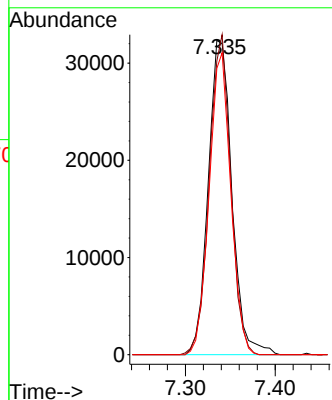
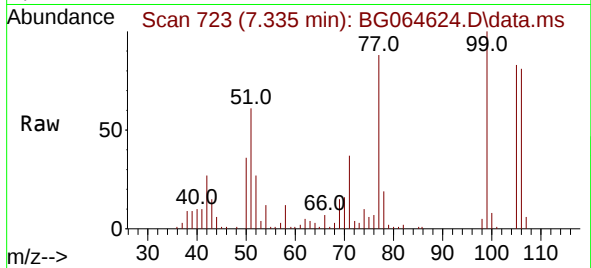




#9  
Benzaldehyde  
Concen: 45.716 ng  
RT: 7.335 min Scan# 719  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

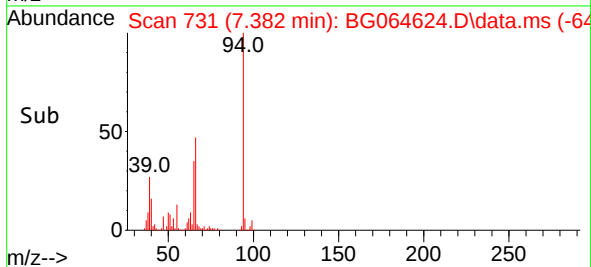
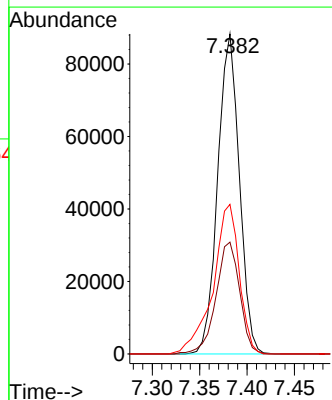
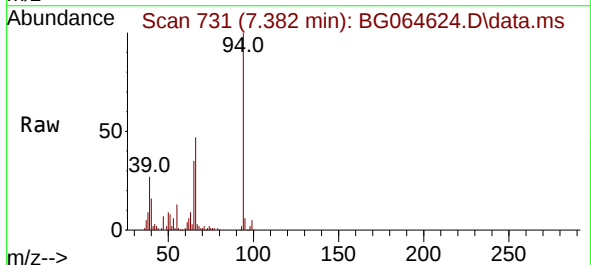
Instrument :  
BNA\_G  
ClientSampleId :  
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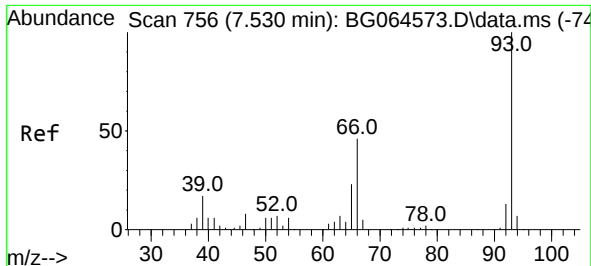
Tgt Ion: 77 Resp: 59140  
Ion Ratio Lower Upper  
77 100  
105 93.5 72.9 112.9  
106 91.1 70.8 110.8



#10  
Phenol  
Concen: 53.469 ng  
RT: 7.382 min Scan# 731  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion: 94 Resp: 140120  
Ion Ratio Lower Upper  
94 100  
65 35.0 15.8 55.8  
66 46.8 24.0 64.0

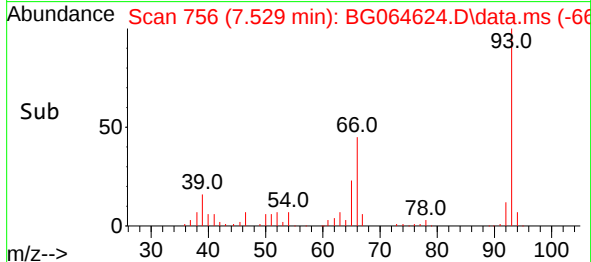
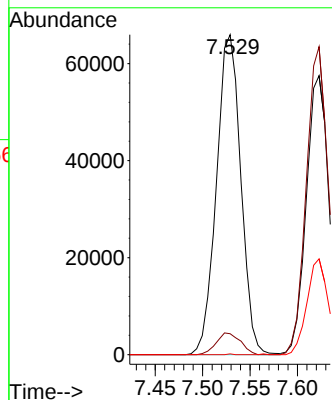
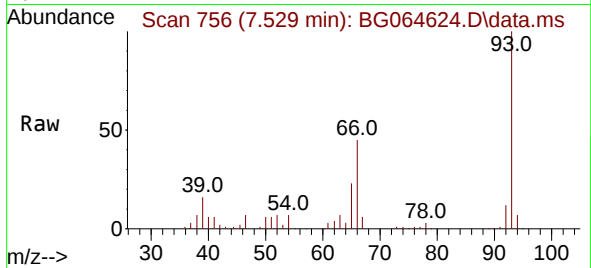




#11  
bis(2-Chloroethyl)ether  
Concen: 36.558 ng  
RT: 7.529 min Scan# 756  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

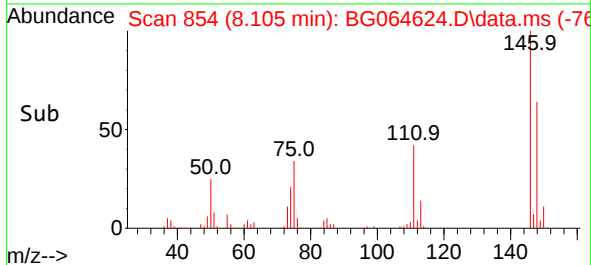
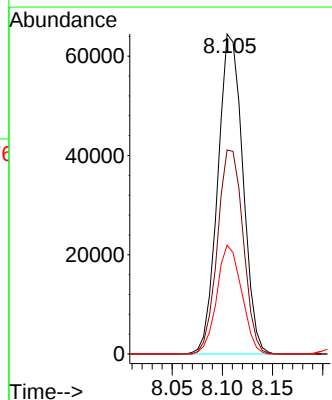
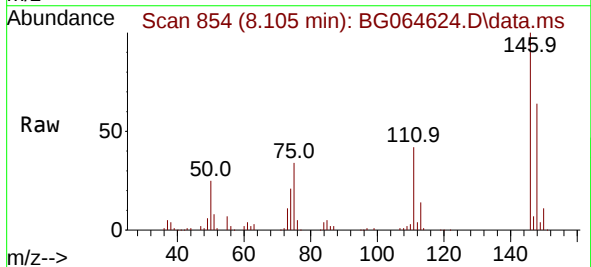
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

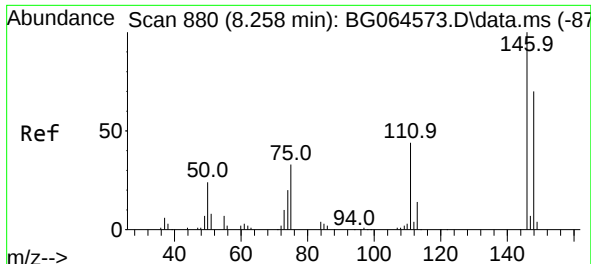
Tgt Ion: 93 Resp: 117876  
Ion Ratio Lower Upper  
93 100  
63 6.6 0.0 27.4  
95 0.3 0.0 20.2



#12  
1,3-Dichlorobenzene  
Concen: 53.903 ng  
RT: 8.105 min Scan# 854  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:146 Resp: 112137  
Ion Ratio Lower Upper  
146 100  
148 63.7 55.3 82.9  
75 34.0 28.2 42.2

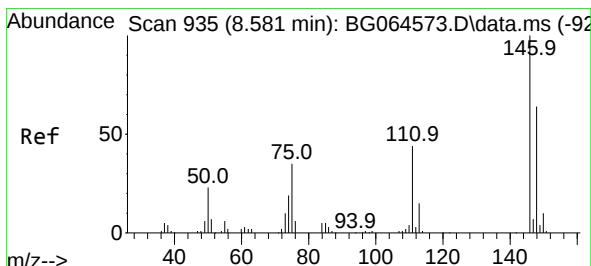
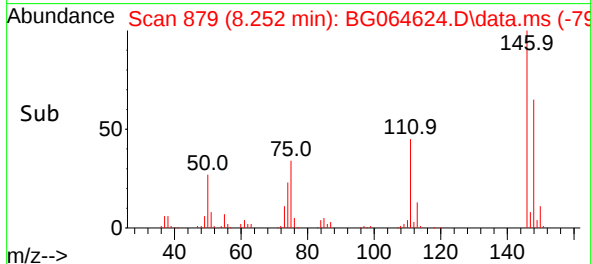
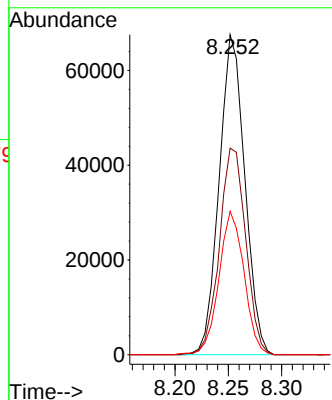
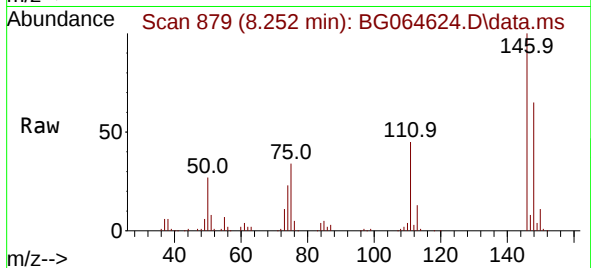




#13  
1,4-Dichlorobenzene  
Concen: 53.400 ng  
RT: 8.252 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

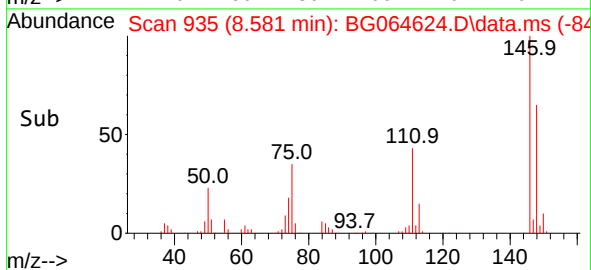
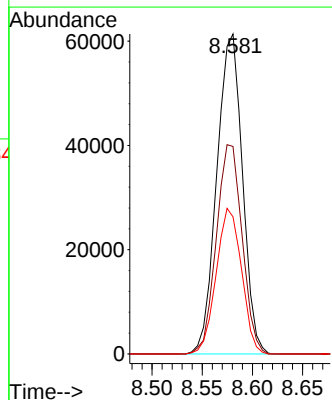
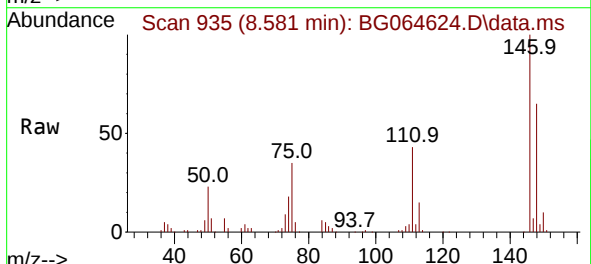
Instrument :  
BNA\_G  
ClientSampleId :  
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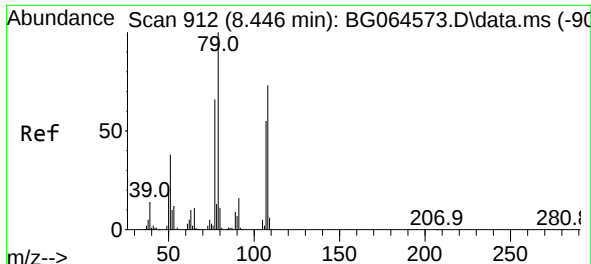
Tgt Ion:146 Resp: 112956  
Ion Ratio Lower Upper  
146 100  
148 64.6 56.2 84.4  
111 44.8 35.4 53.0



#14  
1,2-Dichlorobenzene  
Concen: 53.409 ng  
RT: 8.581 min Scan# 935  
Delta R.T. 0.002 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:146 Resp: 108970  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.5 77.3  
111 42.9 35.0 52.6

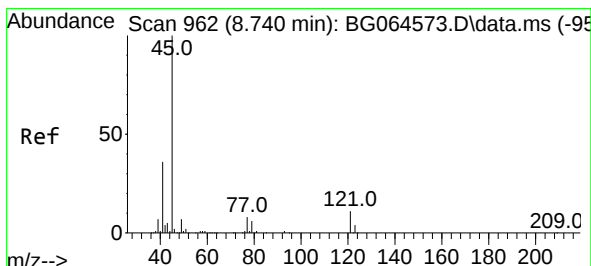
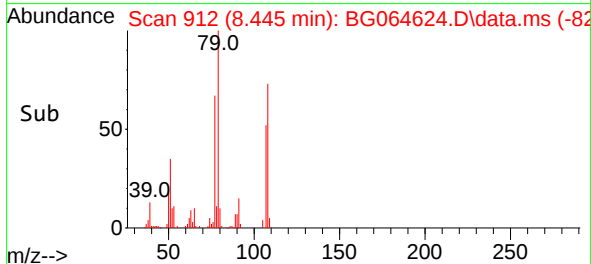
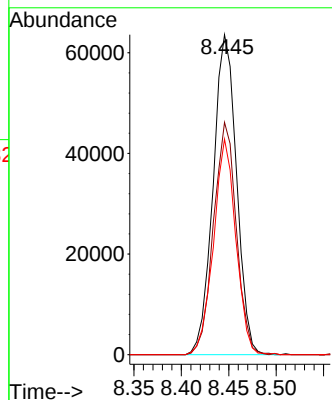
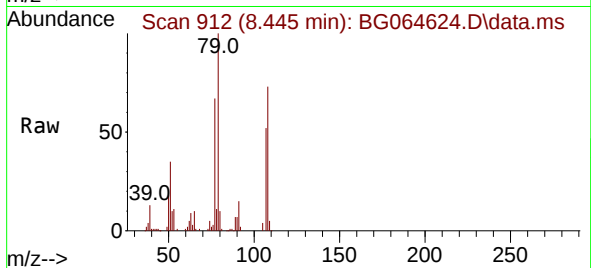




#15  
Benzyl Alcohol  
Concen: 55.817 ng  
RT: 8.445 min Scan# 912  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

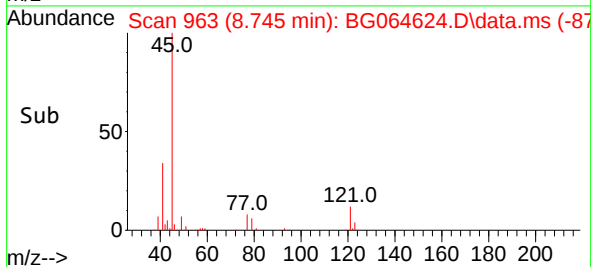
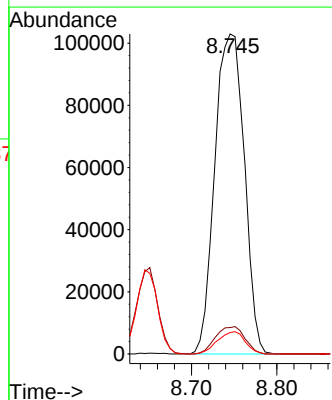
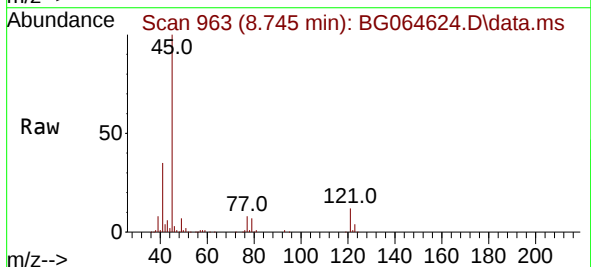
Instrument :  
BNA\_G  
ClientSampleId :  
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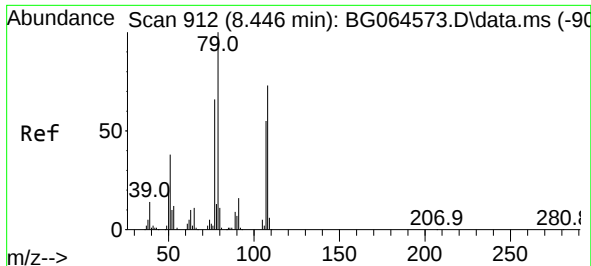
Tgt Ion: 79 Resp: 109068  
Ion Ratio Lower Upper  
79 100  
108 72.6 58.1 87.1  
77 67.4 52.8 79.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.889 ng  
RT: 8.745 min Scan# 963  
Delta R.T. 0.002 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion: 45 Resp: 247079  
Ion Ratio Lower Upper  
45 100  
77 8.2 0.0 28.5  
79 6.7 0.0 25.6

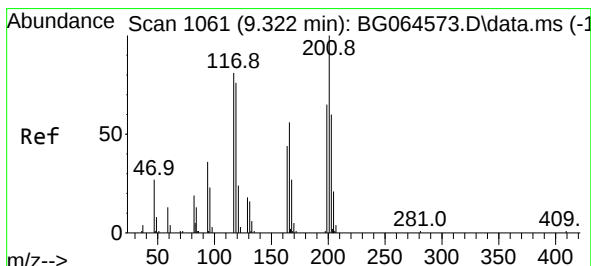
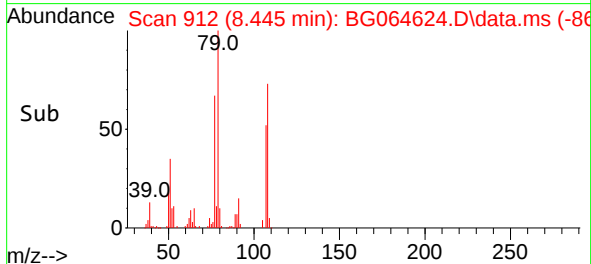
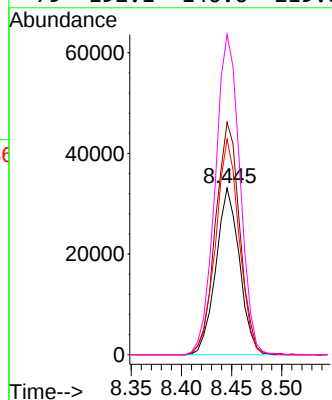
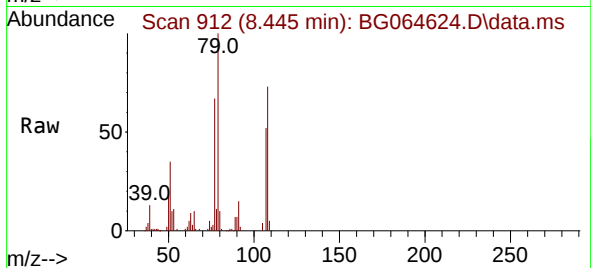




#17  
2-Methylphenol  
Concen: 55.329 ng  
RT: 8.445 min Scan# 912  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

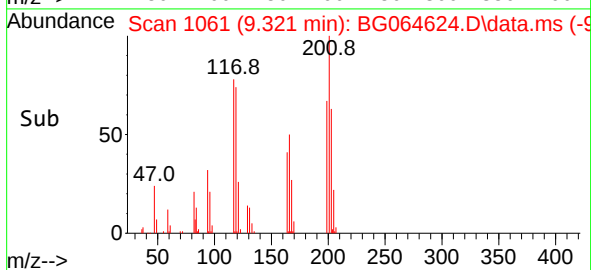
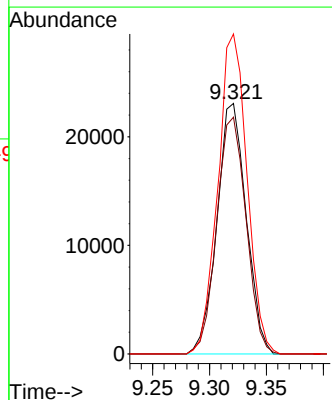
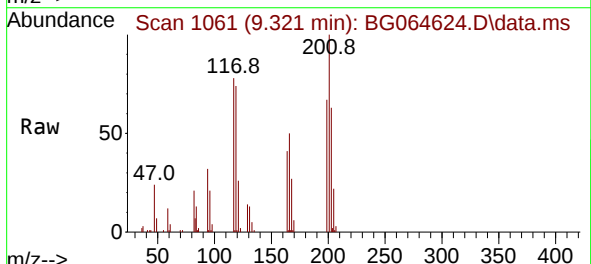
Instrument :  
BNA\_G  
ClientSampleId :  
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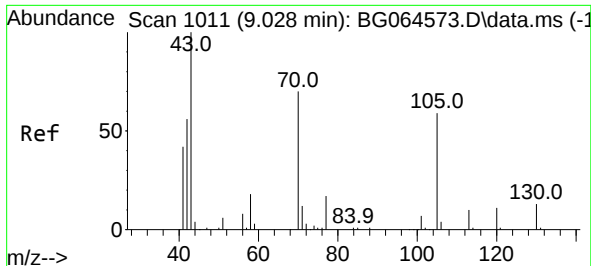
Tgt Ion:107 Resp: 54041  
Ion Ratio Lower Upper  
107 100  
108 139.5 106.4 159.6  
77 129.4 96.7 145.1  
79 192.1 146.6 219.8



#18  
Hexachloroethane  
Concen: 55.540 ng  
RT: 9.321 min Scan# 1061  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:117 Resp: 41228  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.4 113.2  
201 127.7 99.2 148.8

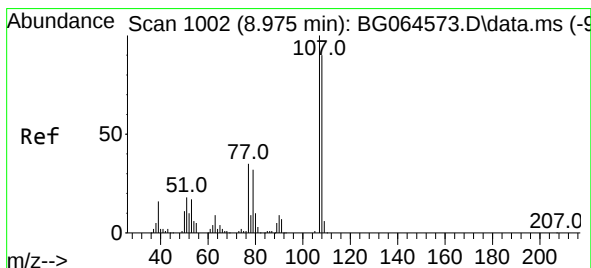
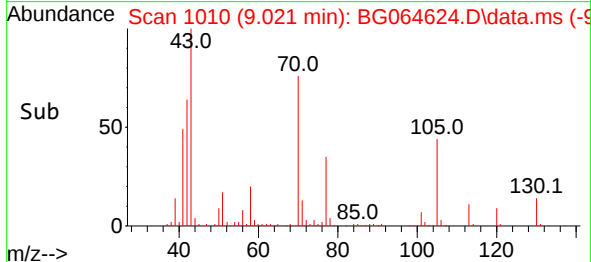
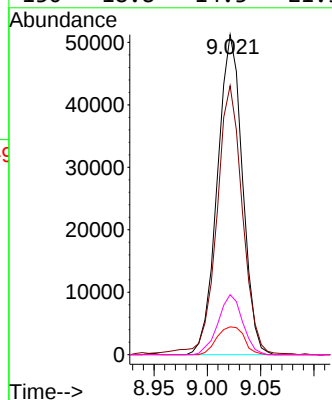
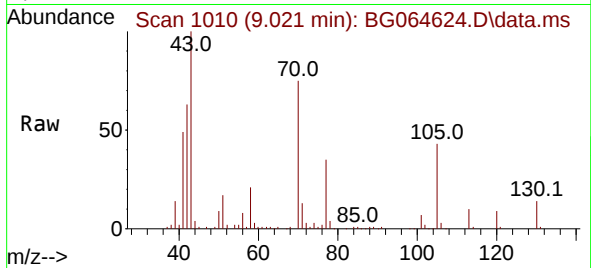




#19  
n-Nitroso-di-n-propylamine  
Concen: 51.106 ng  
RT: 9.021 min Scan# 1010  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

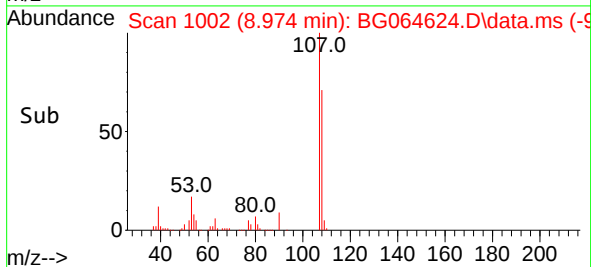
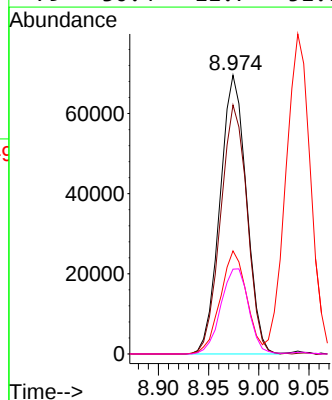
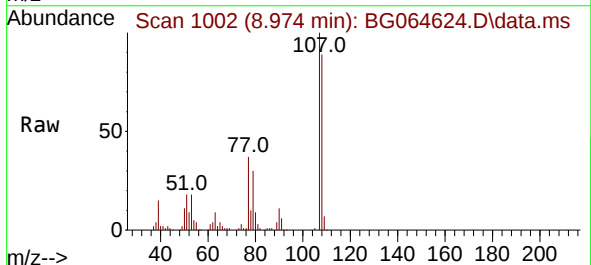
Instrument :  
BNA\_G  
ClientSampleId :  
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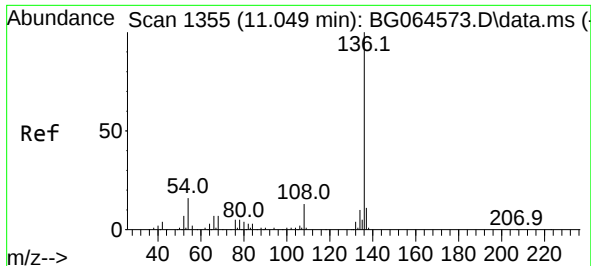
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 83692 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 84.0  | 65.2  | 97.8  |
| 101      | 8.7   | 7.9   | 11.9  |
| 130      | 18.8  | 14.3  | 21.5  |



#20  
3+4-Methylphenols  
Concen: 52.156 ng  
RT: 8.974 min Scan# 1002  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 127618 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.3  | 70.3  | 110.3  |
| 77       | 37.0  | 14.6  | 54.6   |
| 79       | 30.4  | 11.7  | 51.7   |

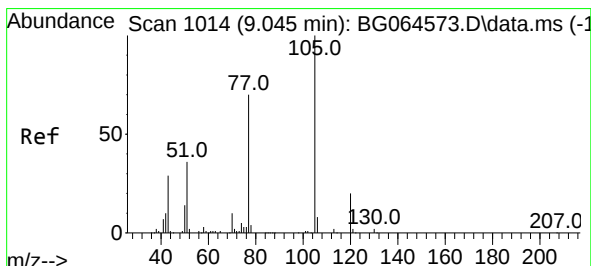
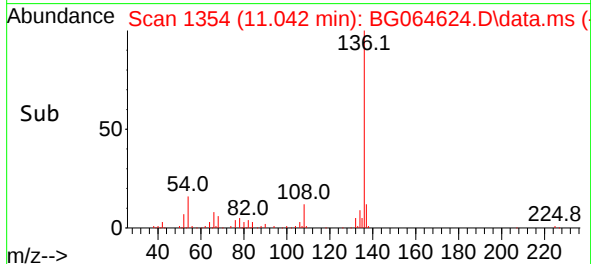
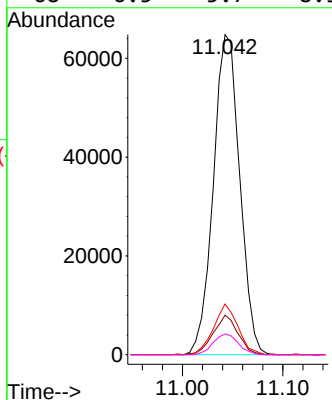
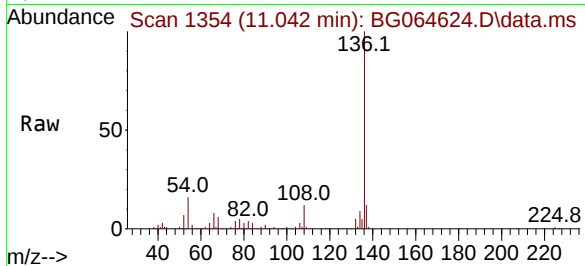




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.042 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

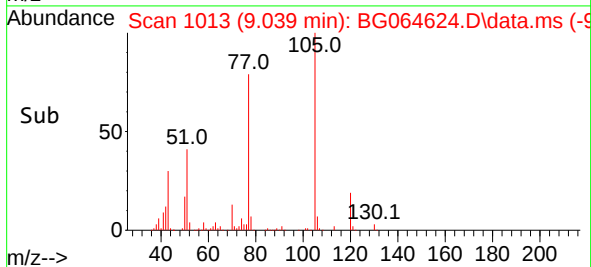
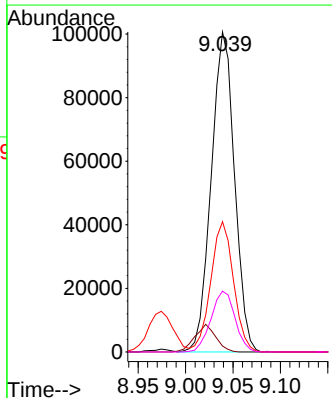
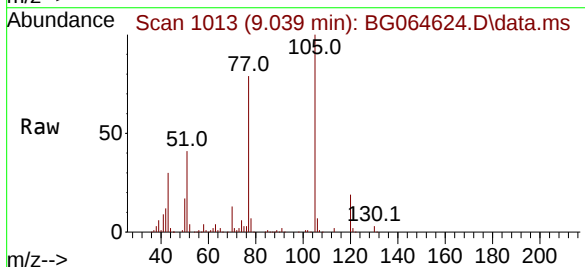
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

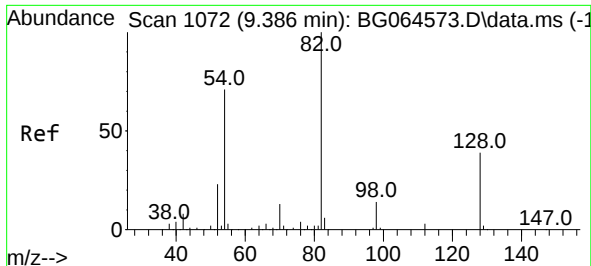
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:136 | Resp: | 118304    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 12.4  | 9.2 13.8  |
| 54          | 15.8  | 12.6 19.0 |
| 68          | 6.5   | 5.7 8.5   |



#22  
Acetophenone  
Concen: 53.113 ng  
RT: 9.039 min Scan# 1013  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 171764    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.9   | 1.5 2.3   |
| 51          | 40.7  | 33.7 50.5 |
| 120         | 19.0  | 16.1 24.1 |





#23

Nitrobenzene-d5

Concen: 65.528 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

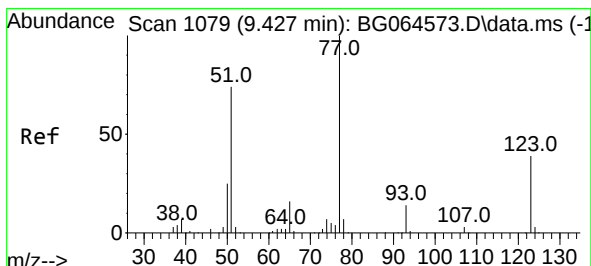
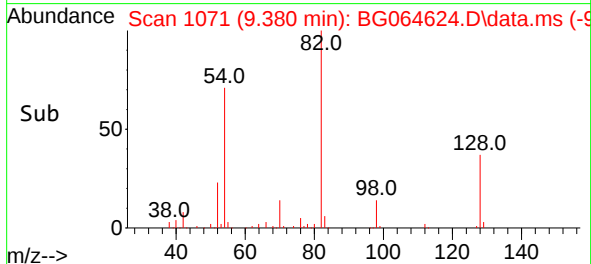
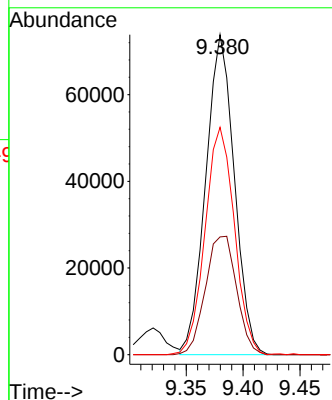
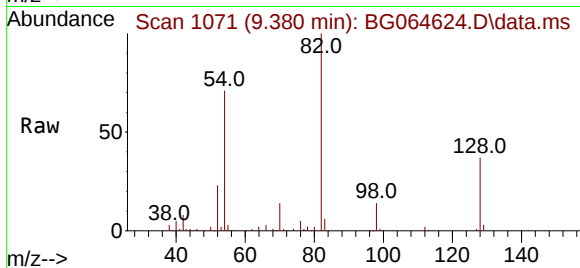
Tgt Ion: 82 Resp: 129070

Ion Ratio Lower Upper

82 100

128 36.8 31.3 46.9

54 71.0 56.6 84.8



#24

Nitrobenzene

Concen: 56.914 ng

RT: 9.421 min Scan# 1078

Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

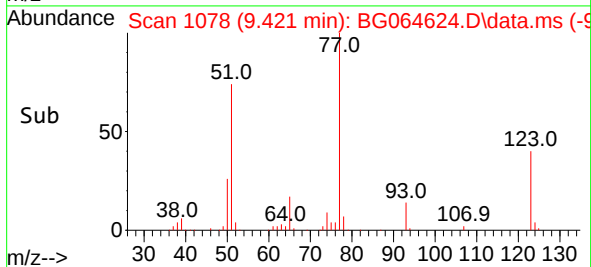
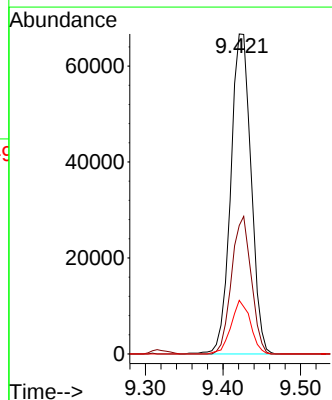
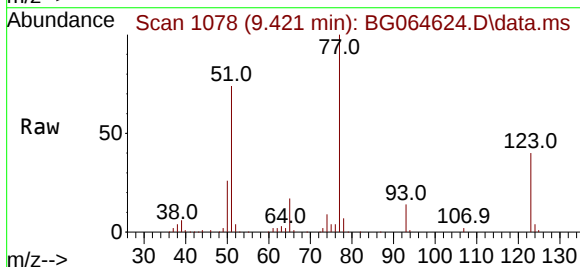
Tgt Ion: 77 Resp: 121929

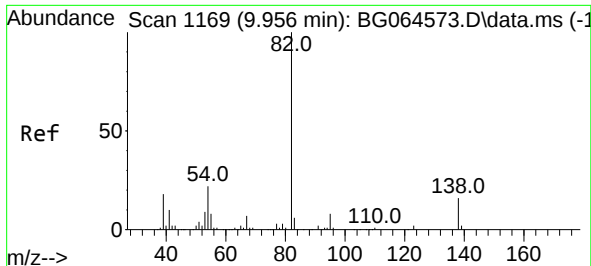
Ion Ratio Lower Upper

77 100

123 40.2 31.0 46.6

65 16.7 12.7 19.1

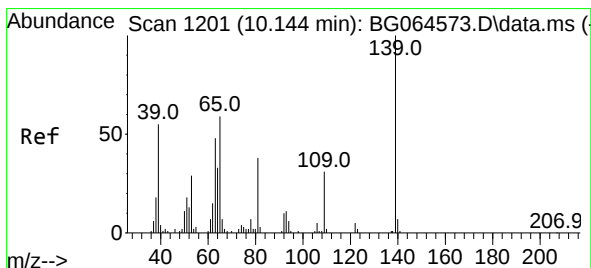
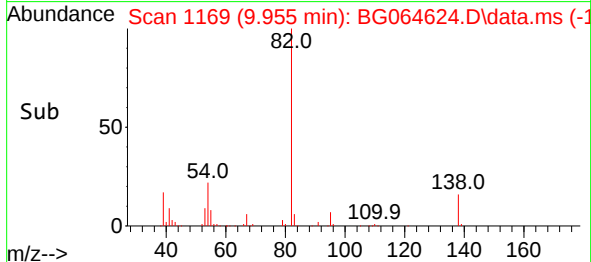
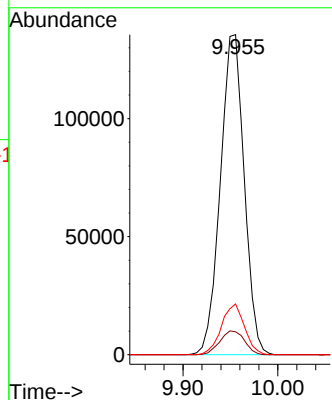
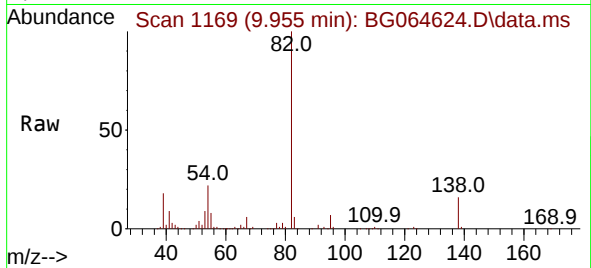




#25  
Isophorone  
Concen: 50.153 ng  
RT: 9.955 min Scan# 1169  
Delta R.T. -0.011 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

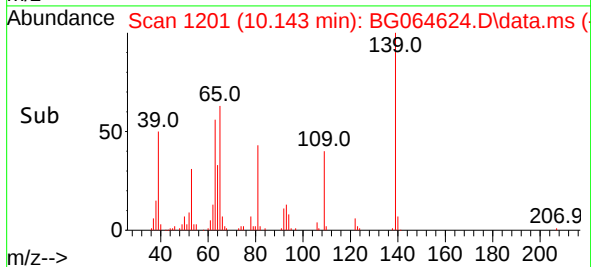
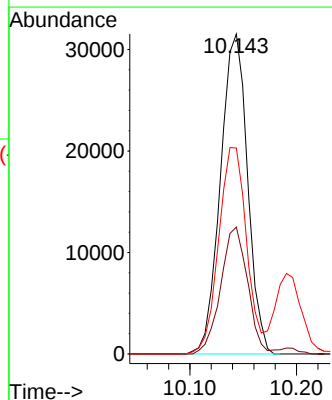
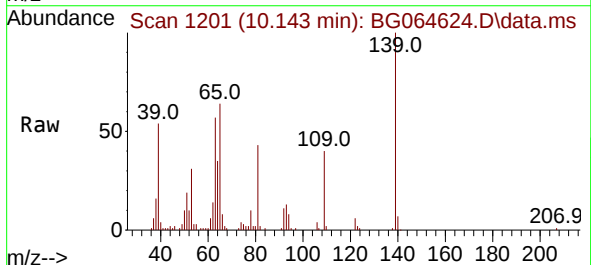
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

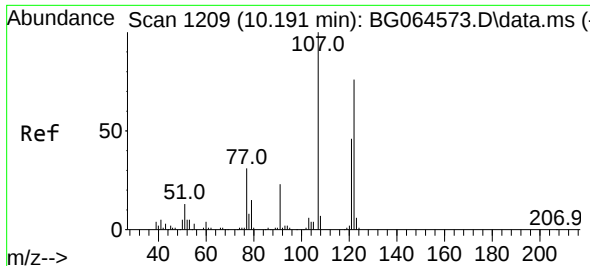
Tgt Ion: 82 Resp: 237041  
Ion Ratio Lower Upper  
82 100  
95 7.2 6.1 9.1  
138 15.8 13.0 19.4



#26  
2-Nitrophenol  
Concen: 66.044 ng  
RT: 10.143 min Scan# 1201  
Delta R.T. -0.005 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:139 Resp: 55632  
Ion Ratio Lower Upper  
139 100  
109 39.7 24.6 37.0#  
65 64.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 58.539 ng

RT: 10.190 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

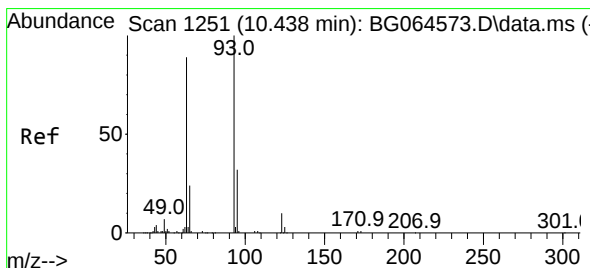
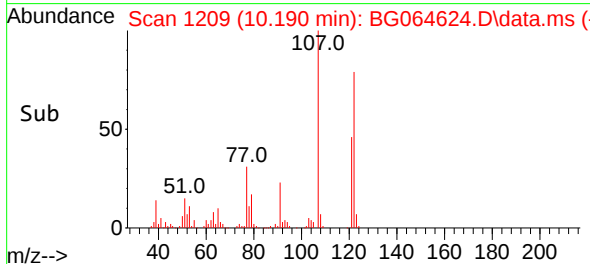
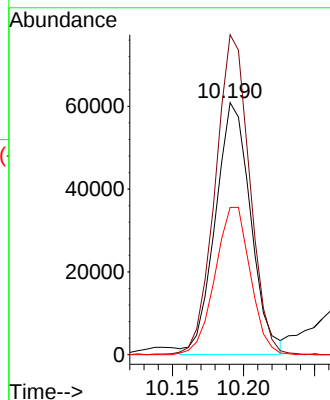
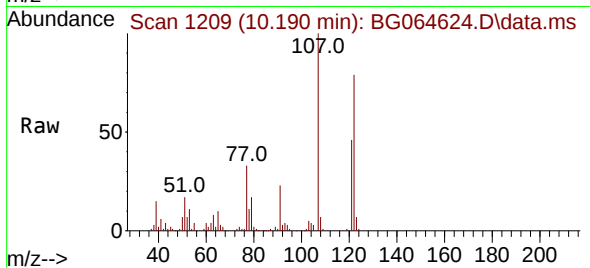
Tgt Ion:122 Resp: 104976

Ion Ratio Lower Upper

122 100

107 127.0 103.0 154.4

121 58.4 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 49.810 ng

RT: 10.431 min Scan# 1250

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

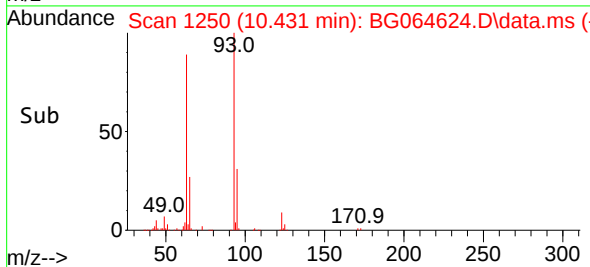
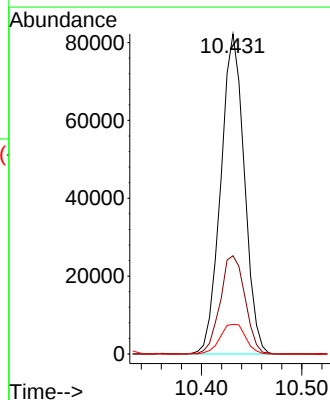
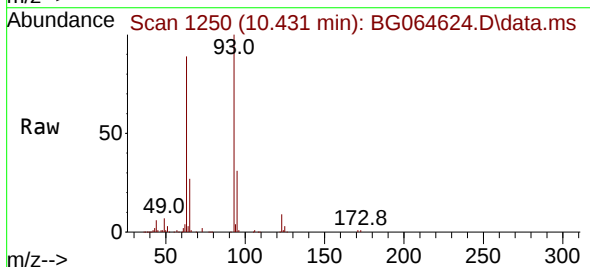
Tgt Ion: 93 Resp: 134040

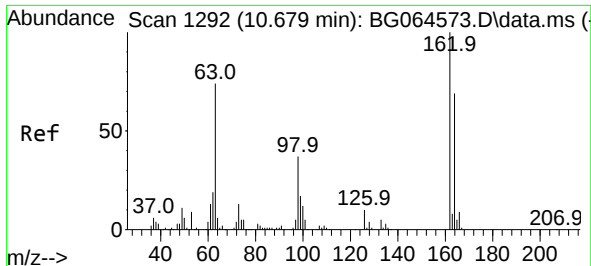
Ion Ratio Lower Upper

93 100

95 30.7 25.4 38.2

123 9.3 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 56.356 ng

RT: 10.678 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064624.D

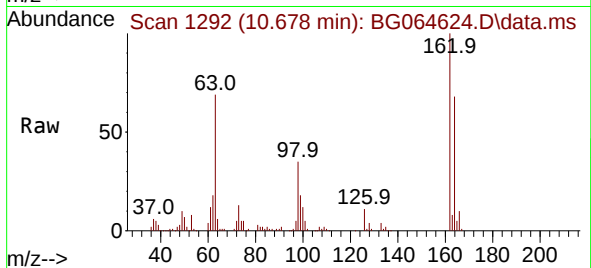
Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



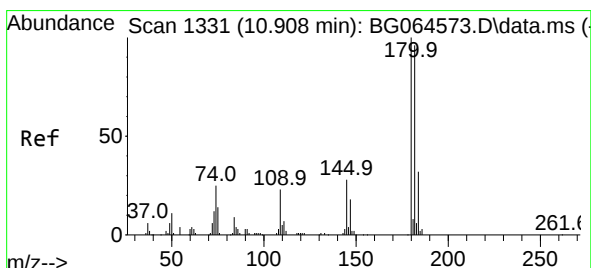
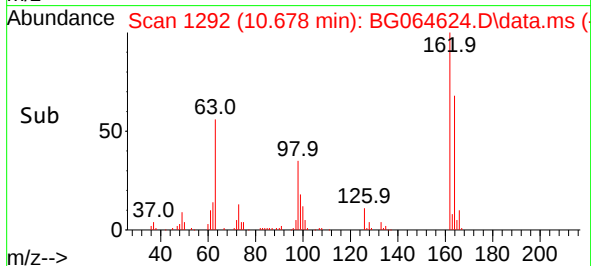
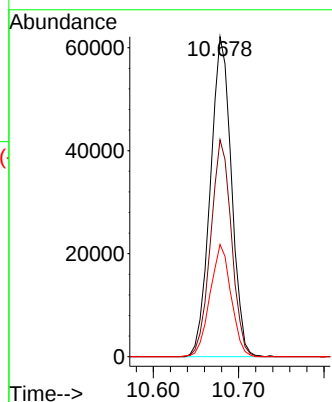
Tgt Ion:162 Resp: 106626

Ion Ratio Lower Upper

162 100

164 67.8 48.7 88.7

98 35.1 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 55.698 ng

RT: 10.901 min Scan# 1330

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

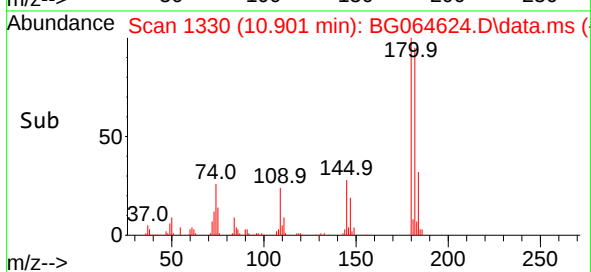
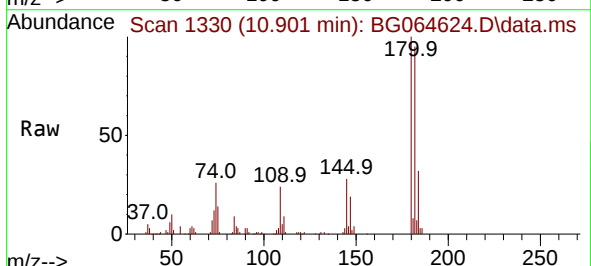
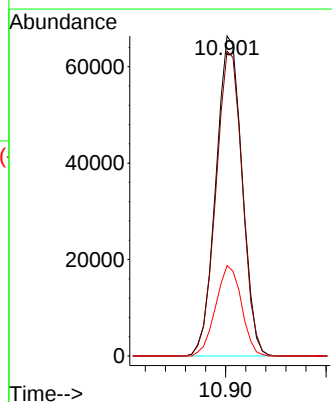
Tgt Ion:180 Resp: 119735

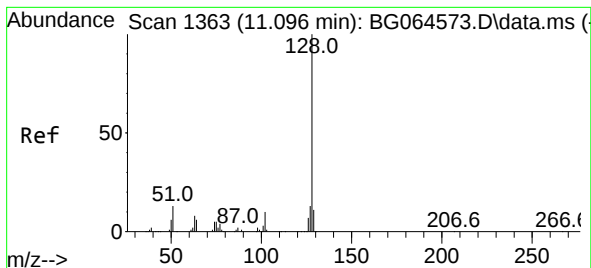
Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 28.2 22.1 33.1





#31

Naphthalene

Concen: 50.367 ng

RT: 11.095 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

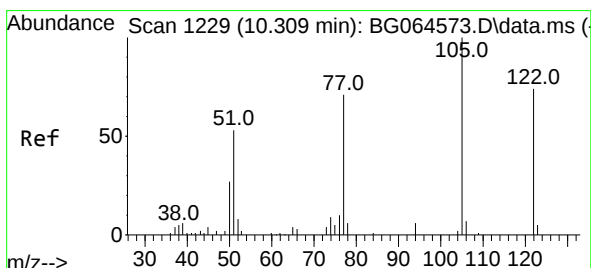
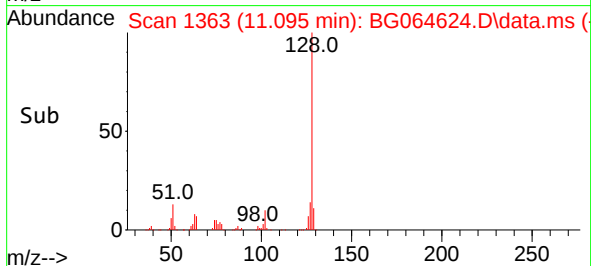
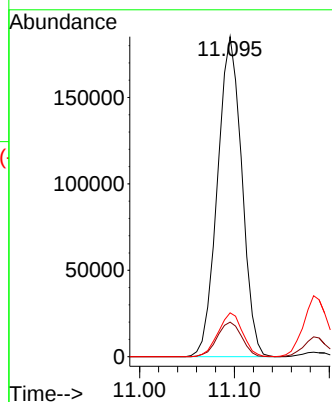
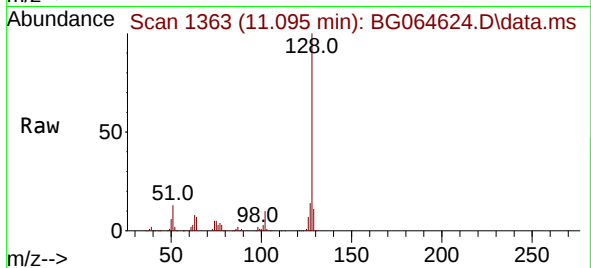
Tgt Ion:128 Resp: 330368

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.7 10.6 15.8



#32

Benzoic acid

Concen: 66.186 ng

RT: 10.320 min Scan# 1231

Delta R.T. -0.022 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

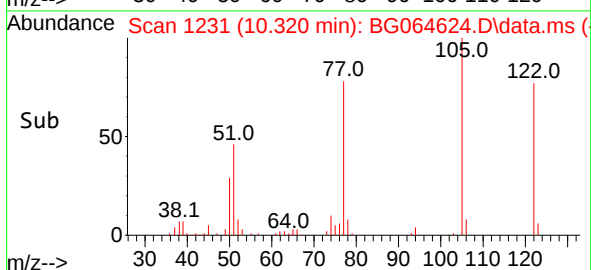
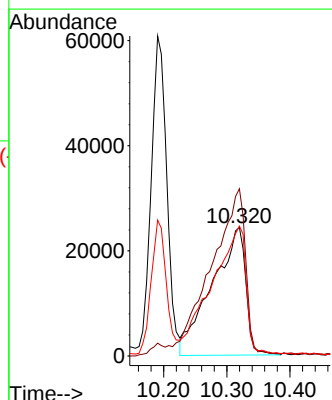
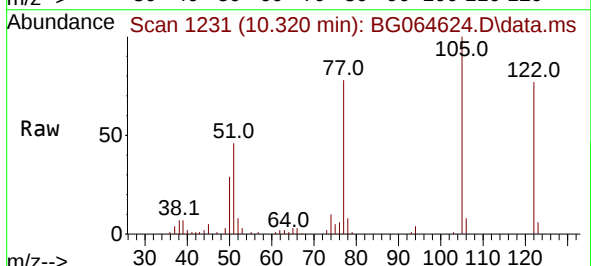
Tgt Ion:122 Resp: 89518

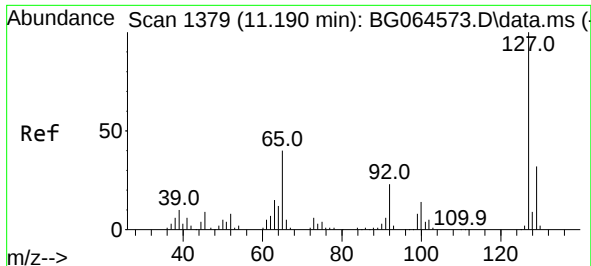
Ion Ratio Lower Upper

122 100

105 130.2 104.2 144.2

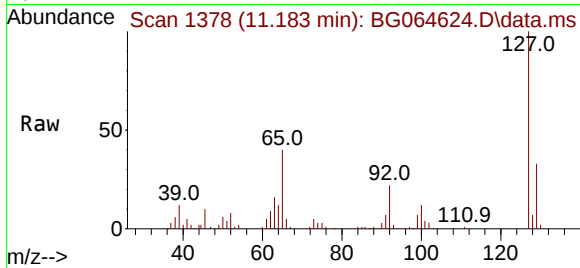
77 101.1 70.2 110.2



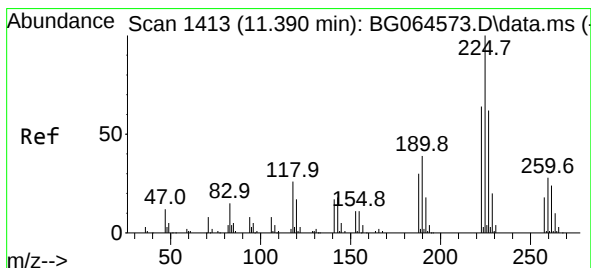
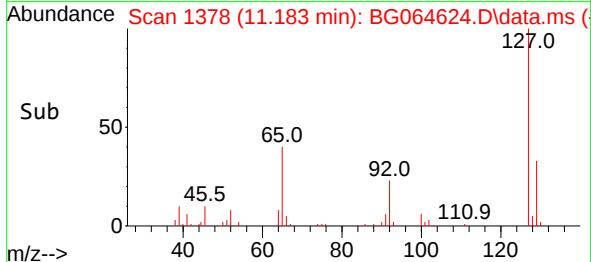
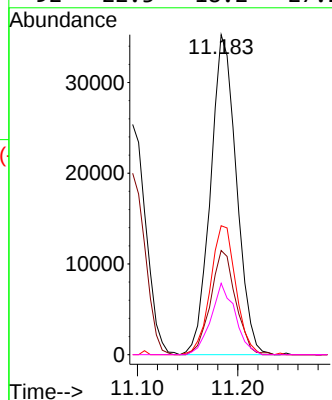


#33  
4-Chloroaniline  
Concen: 24.779 ng  
RT: 11.183 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

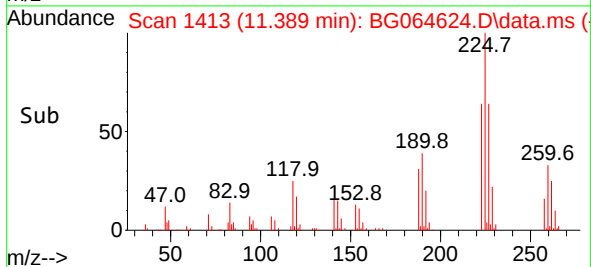
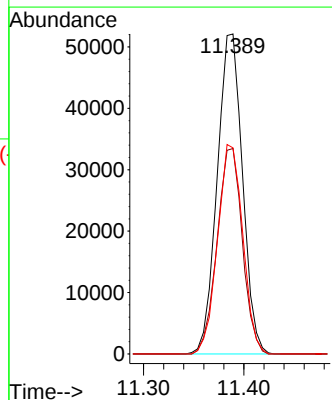
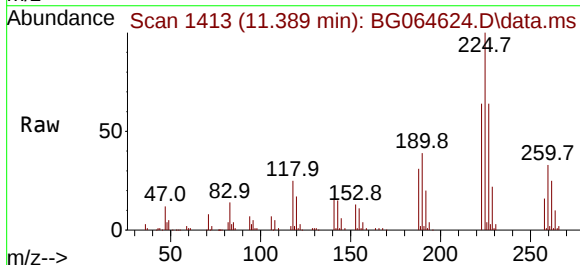


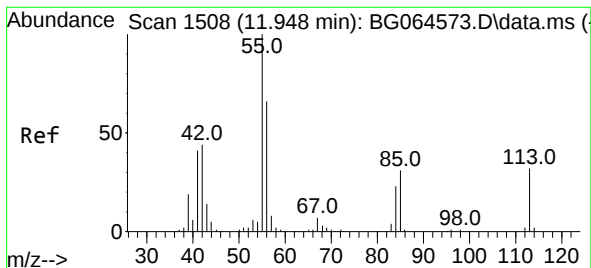
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 63172 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.6  | 25.5  | 38.3  |
| 65       | 40.3  | 32.2  | 48.4  |
| 92       | 22.3  | 18.2  | 27.2  |



#34  
Hexachlorobutadiene  
Concen: 54.243 ng  
RT: 11.389 min Scan# 1413  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 91193 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.4  | 48.8  | 73.2  |
| 227      | 64.4  | 49.5  | 74.3  |

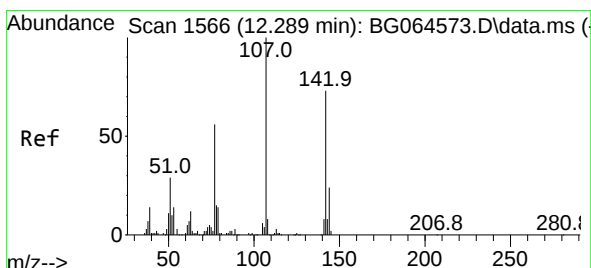
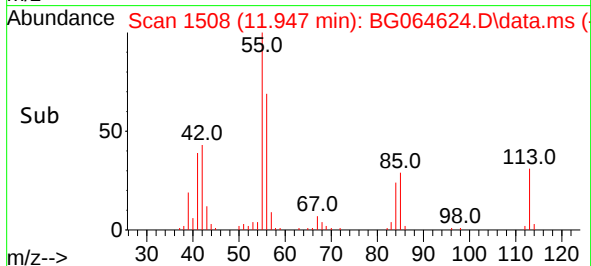
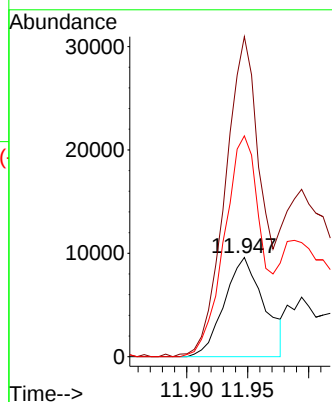
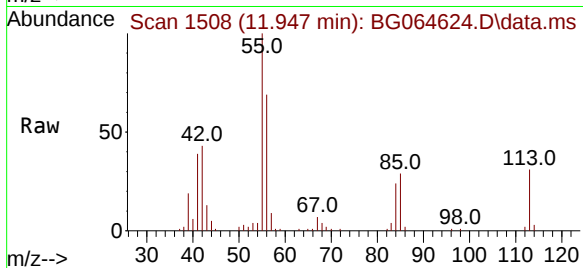




#35  
 Caprolactam  
 Concen: 29.920 ng  
 RT: 11.947 min Scan# 1508  
 Delta R.T. -0.028 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

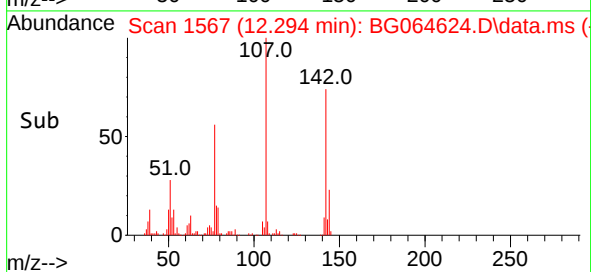
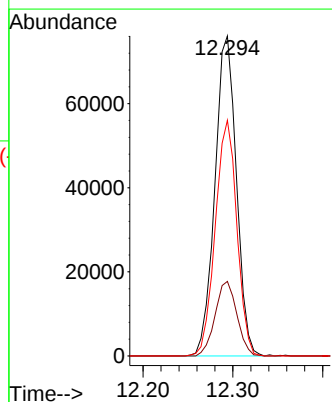
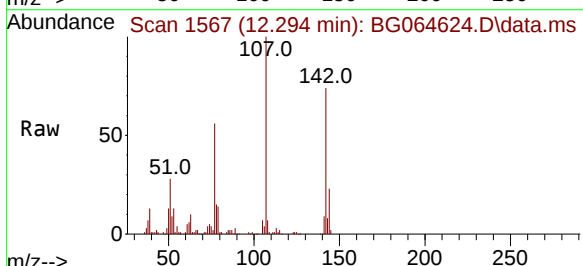
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-MAHWAH-SOILMS

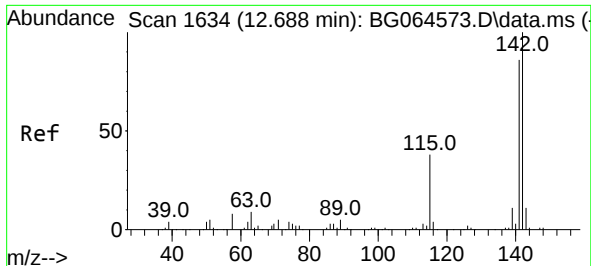
Tgt Ion:113 Resp: 21712  
 Ion Ratio Lower Upper  
 113 100  
 55 322.7 290.1 330.1  
 56 222.7 183.8 223.8



#36  
 4-Chloro-3-methylphenol  
 Concen: 55.597 ng  
 RT: 12.294 min Scan# 1567  
 Delta R.T. -0.004 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

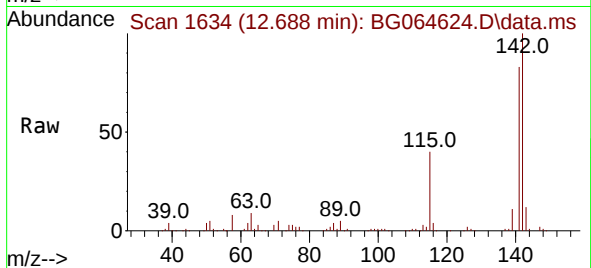
Tgt Ion:107 Resp: 126440  
 Ion Ratio Lower Upper  
 107 100  
 144 23.3 19.1 28.7  
 142 73.6 58.6 87.8



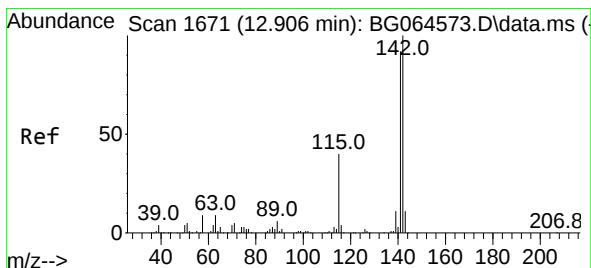
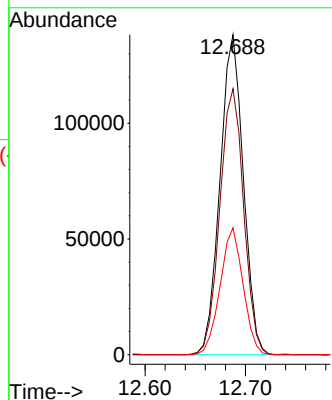
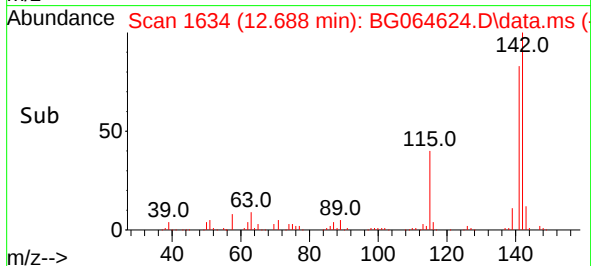


#37  
2-Methylnaphthalene  
Concen: 46.343 ng  
RT: 12.688 min Scan# 1634  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

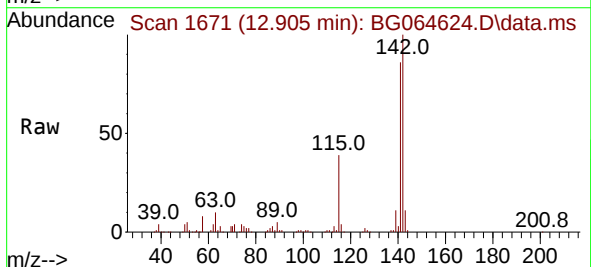
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS



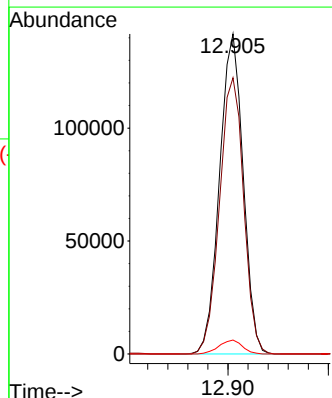
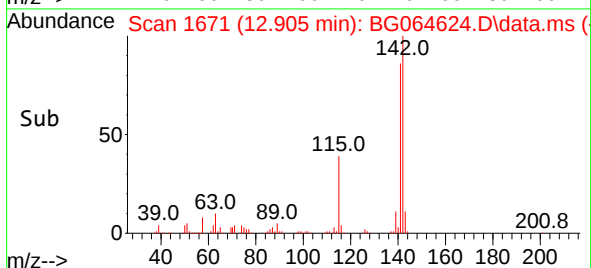
Tgt Ion:142 Resp: 223174  
Ion Ratio Lower Upper  
142 100  
141 83.1 68.9 103.3  
115 39.7 30.6 46.0

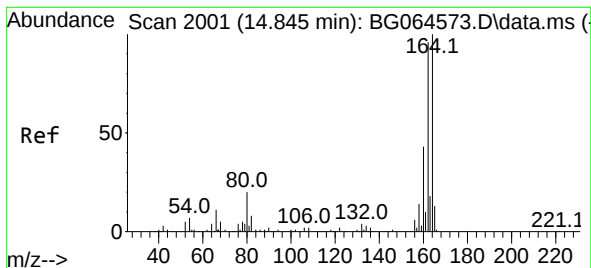


#38  
1-Methylnaphthalene  
Concen: 48.741 ng  
RT: 12.905 min Scan# 1671  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31



Tgt Ion:142 Resp: 230958  
Ion Ratio Lower Upper  
142 100  
141 86.3 73.3 109.9  
116 4.4 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 2001

Delta R.T. 0.002 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

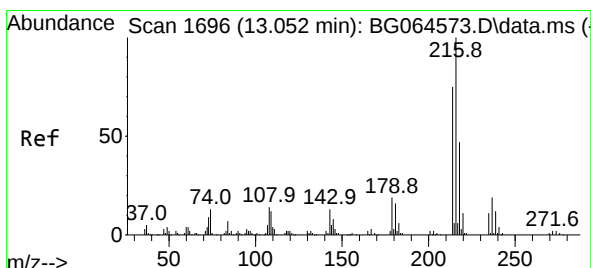
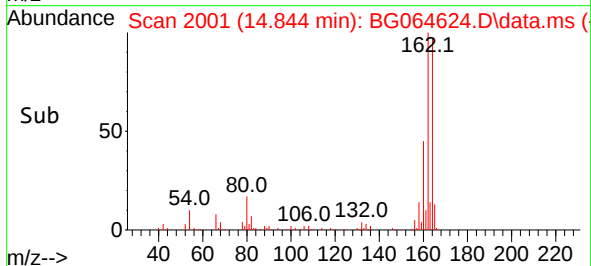
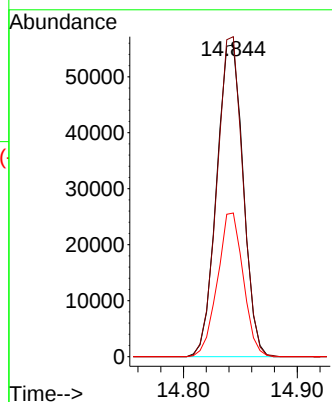
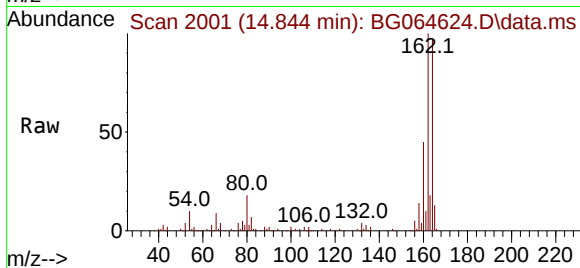
Tgt Ion:164 Resp: 90635

Ion Ratio Lower Upper

164 100

162 102.7 77.0 115.6

160 46.1 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 56.759 ng

RT: 13.052 min Scan# 1696

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Tgt Ion:216 Resp: 172647

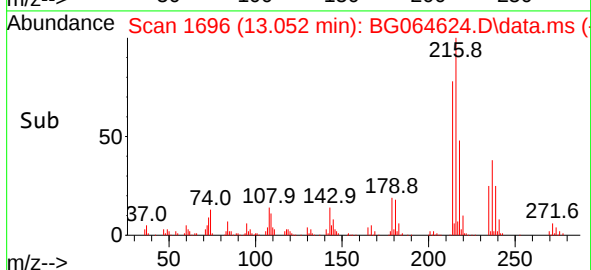
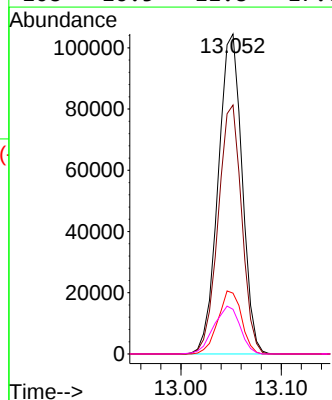
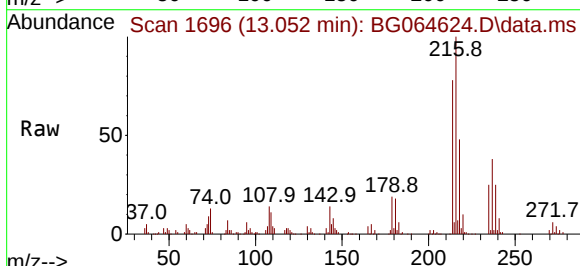
Ion Ratio Lower Upper

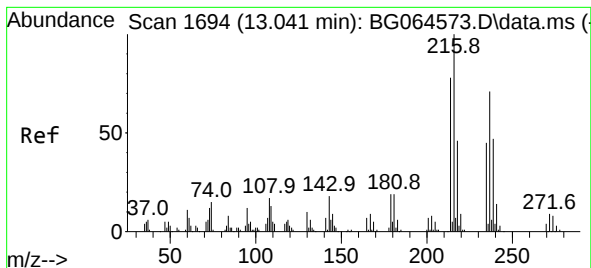
216 100

214 76.6 61.4 92.2

179 19.4 15.4 23.0

108 16.5 11.8 17.6





#41

Hexachlorocyclopentadiene

Concen: 169.415 ng

RT: 13.034 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

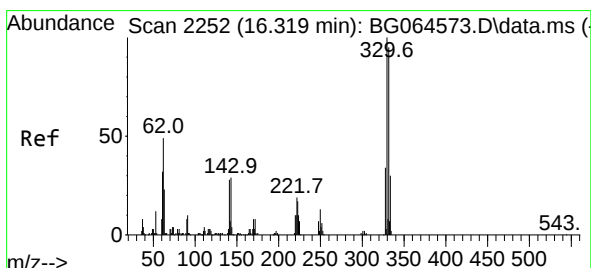
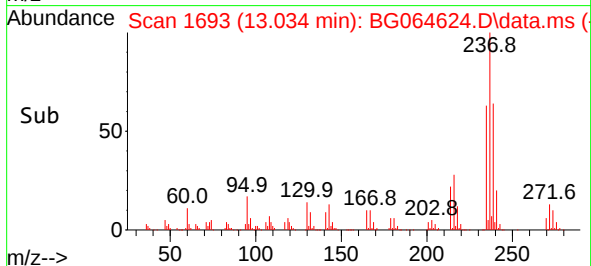
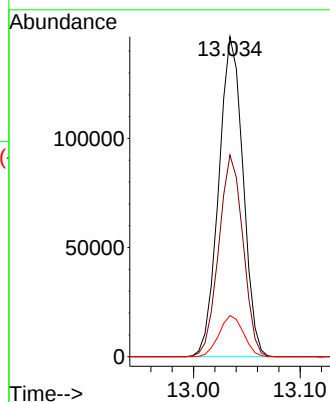
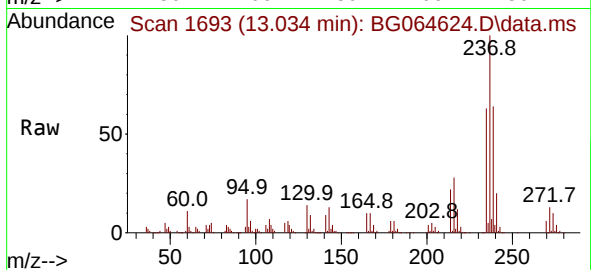
Tgt Ion:237 Resp: 231950

Ion Ratio Lower Upper

237 100

235 63.0 44.1 84.1

272 12.9 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 103.294 ng

RT: 16.319 min Scan# 2252

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

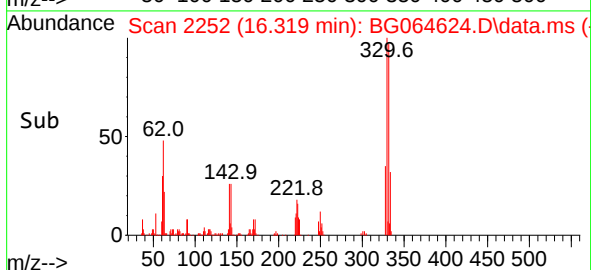
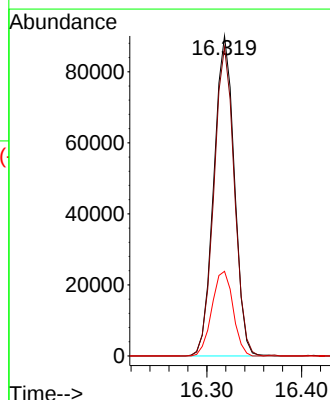
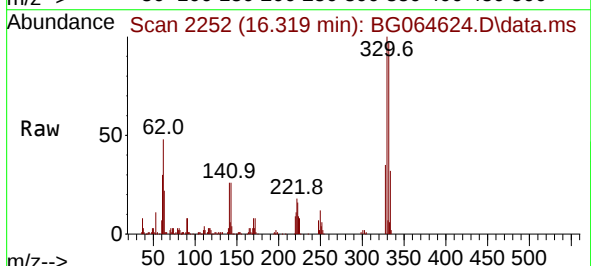
Tgt Ion:330 Resp: 135122

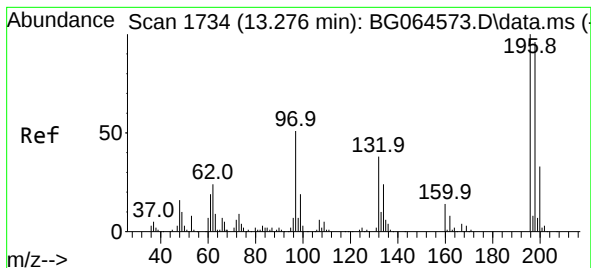
Ion Ratio Lower Upper

330 100

332 96.2 78.0 117.0

141 27.3 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 62.272 ng

RT: 13.275 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

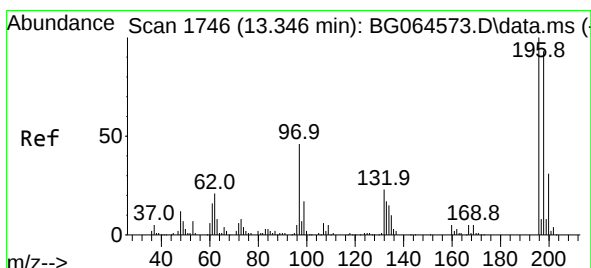
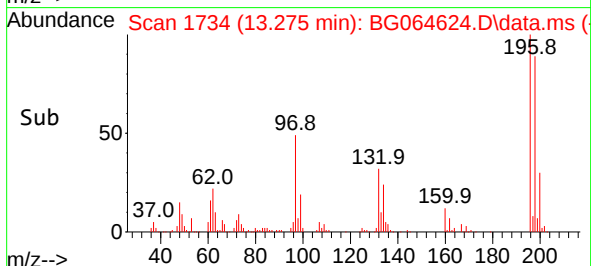
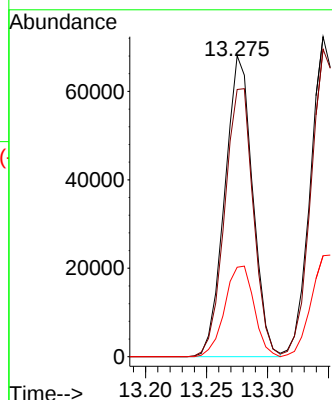
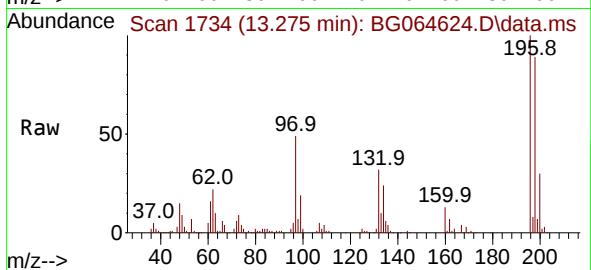
Tgt Ion:196 Resp: 108348

Ion Ratio Lower Upper

196 100

198 88.8 76.6 115.0

200 29.7 26.0 39.0



#44

2,4,5-Trichlorophenol

Concen: 59.189 ng

RT: 13.346 min Scan# 1746

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Tgt Ion:196 Resp: 118844

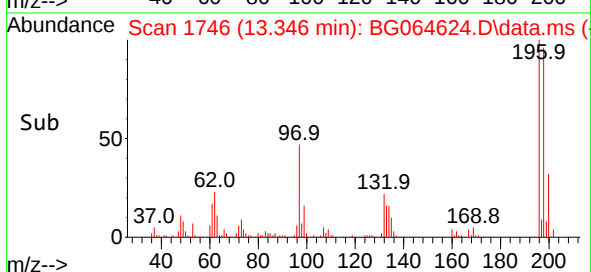
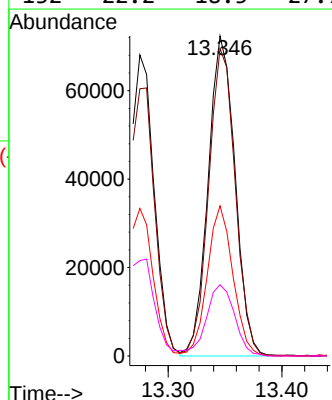
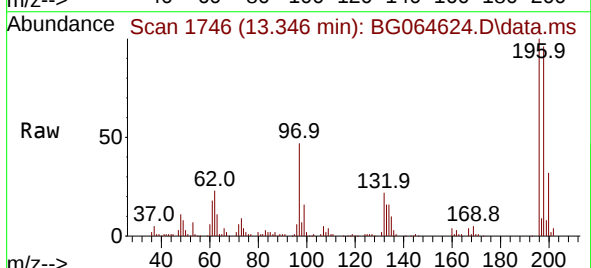
Ion Ratio Lower Upper

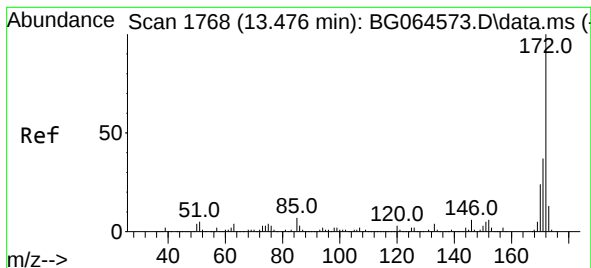
196 100

198 96.1 74.2 111.4

97 46.9 37.0 55.6

132 22.2 18.5 27.7





#45

2-Fluorobiphenyl

Concen: 52.377 ng

RT: 13.469 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

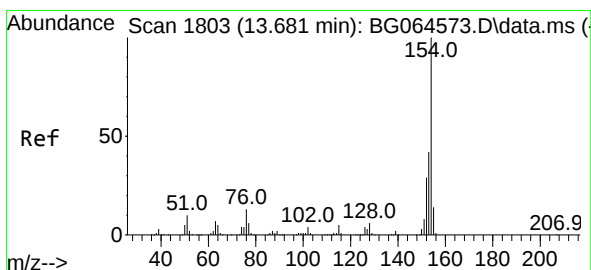
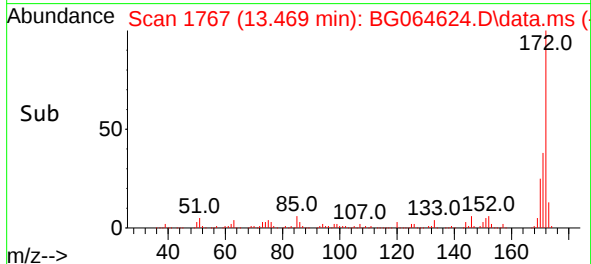
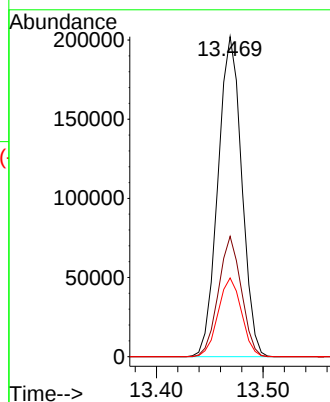
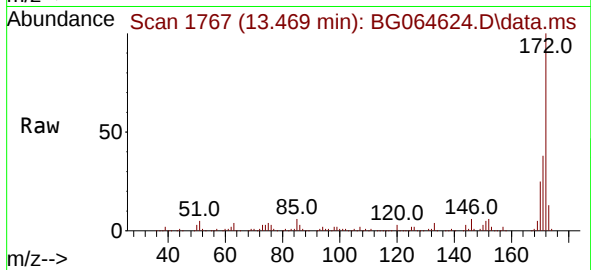
Tgt Ion:172 Resp: 313191

Ion Ratio Lower Upper

172 100

171 37.6 29.4 44.0

170 24.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 54.532 ng

RT: 13.681 min Scan# 1803

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

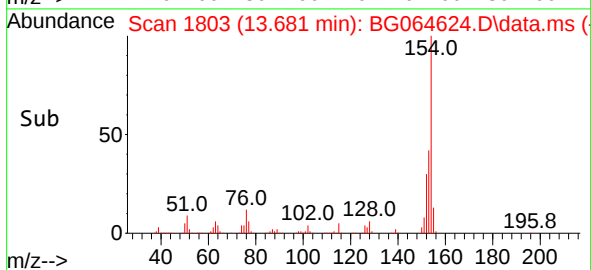
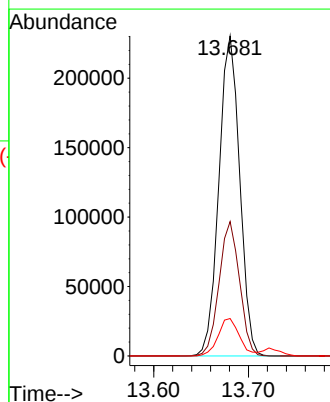
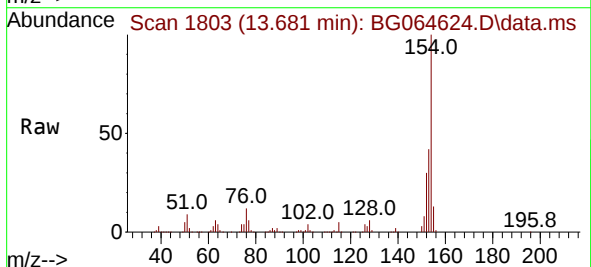
Tgt Ion:154 Resp: 351379

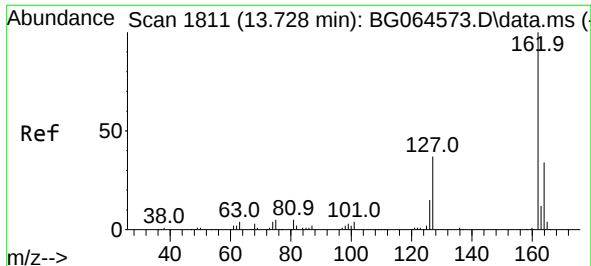
Ion Ratio Lower Upper

154 100

153 42.0 22.4 62.4

76 11.7 0.0 33.5

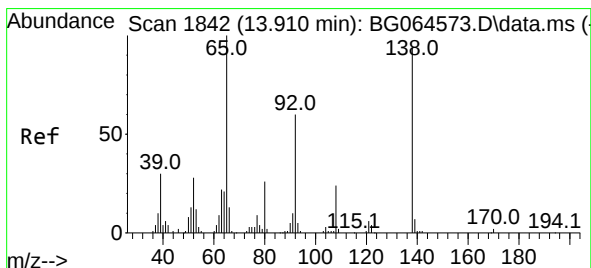
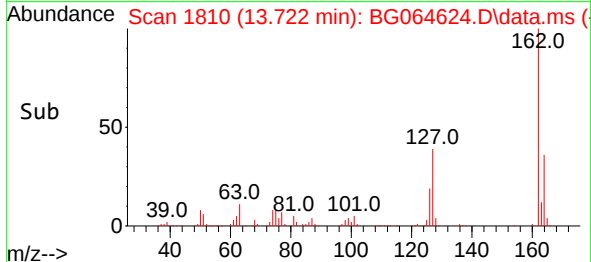
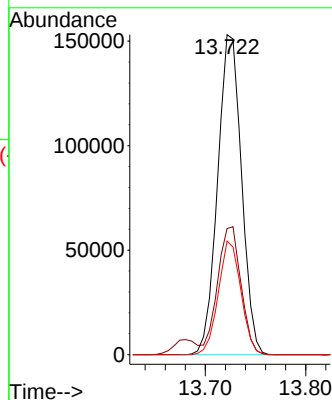
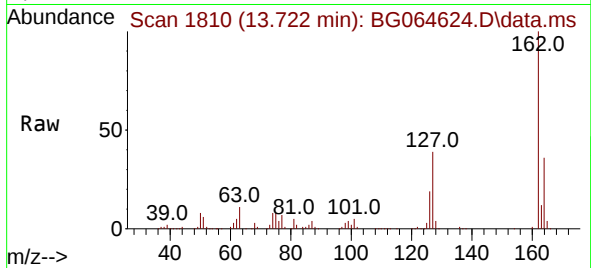




#47  
2-Chloronaphthalene  
Concen: 52.050 ng  
RT: 13.722 min Scan# 1810  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

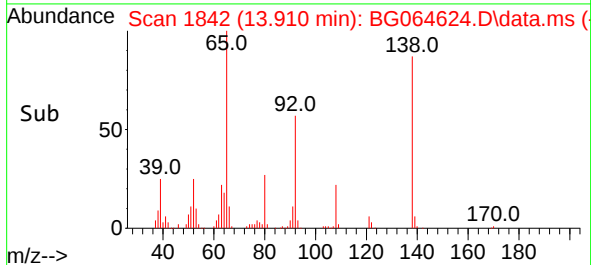
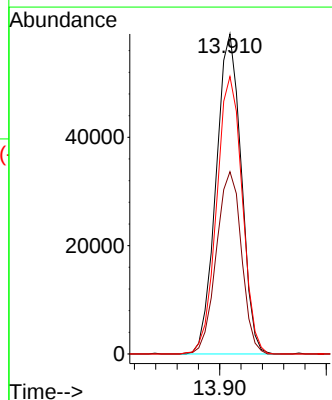
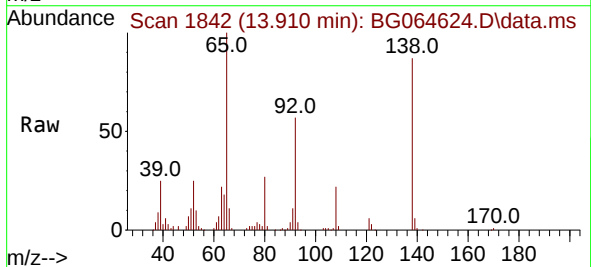
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

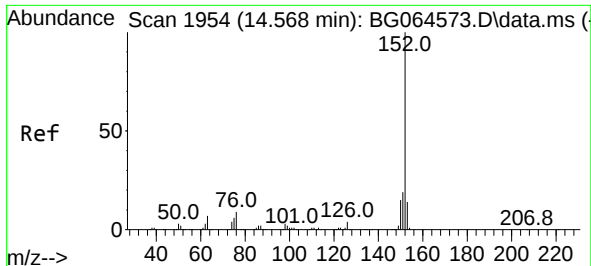
Tgt Ion:162 Resp: 253161  
Ion Ratio Lower Upper  
162 100  
127 39.4 32.2 48.2  
164 35.5 27.5 41.3



#48  
2-Nitroaniline  
Concen: 58.474 ng  
RT: 13.910 min Scan# 1842  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion: 65 Resp: 96708  
Ion Ratio Lower Upper  
65 100  
92 57.0 48.3 72.5  
138 86.7 74.9 112.3

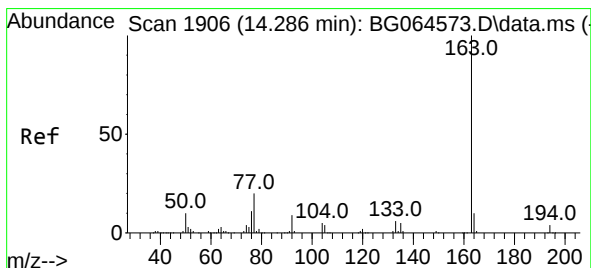
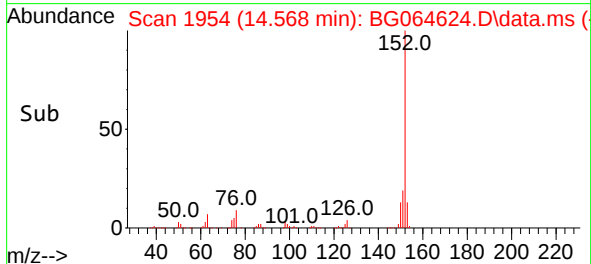
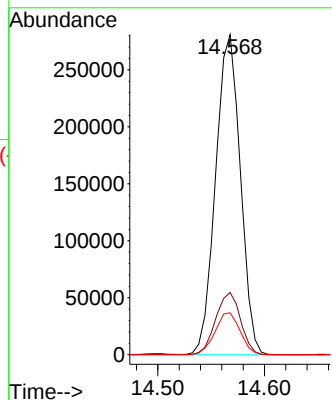
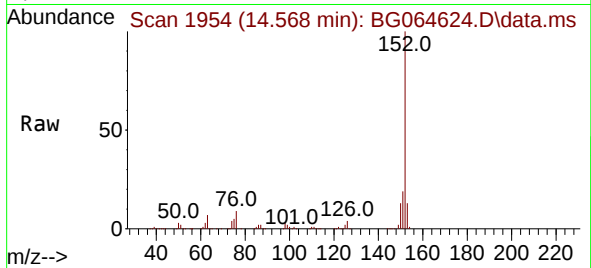




#49  
Acenaphthylene  
Concen: 58.943 ng  
RT: 14.568 min Scan# 1954  
Delta R.T. 0.002 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

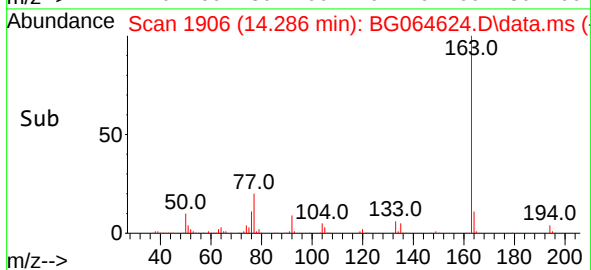
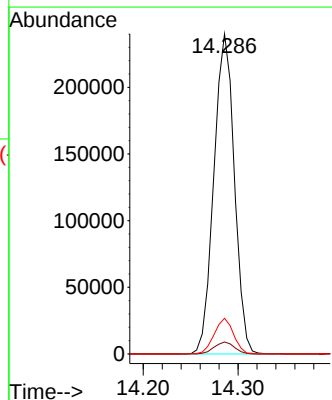
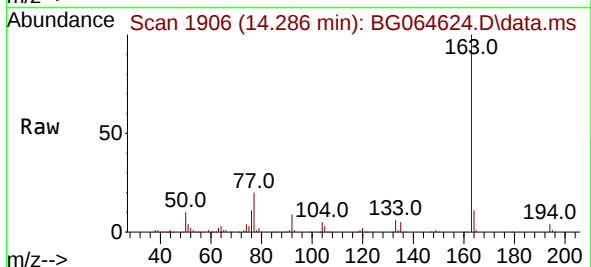
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

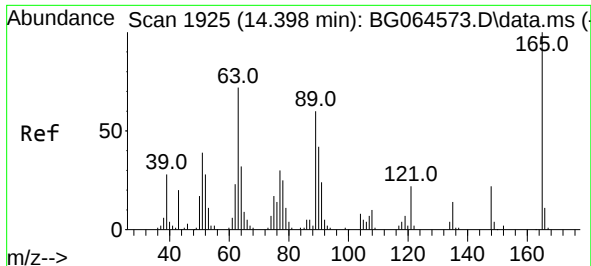
Tgt Ion:152 Resp: 452198  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.4 23.2  
153 13.1 11.0 16.4



#50  
Dimethylphthalate  
Concen: 51.996 ng  
RT: 14.286 min Scan# 1906  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:163 Resp: 360615  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.8 4.2  
164 11.2 7.7 11.5





#51

2,6-Dinitrotoluene

Concen: 62.167 ng

RT: 14.397 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BG064624.D

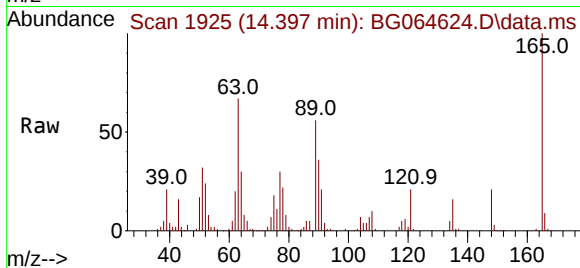
Acq: 29 Oct 2025 15:31

Instrument :

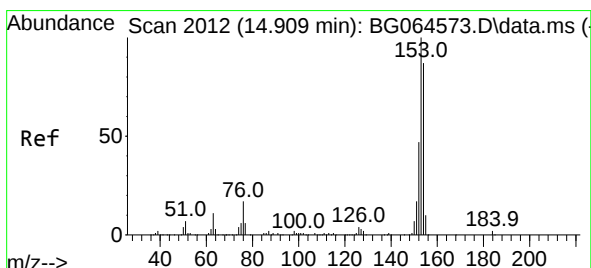
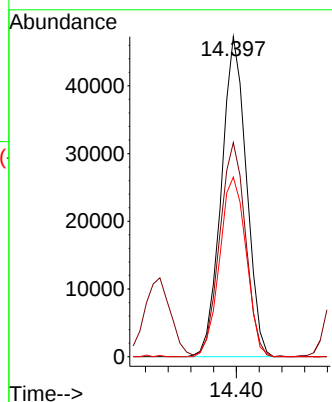
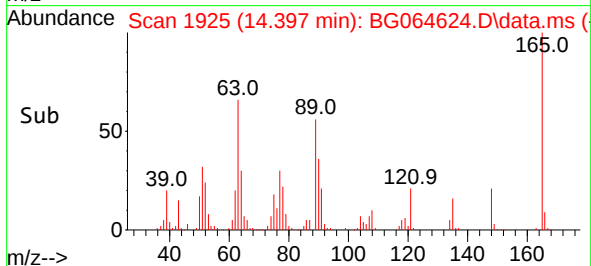
BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 72296     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 66.9  | 57.4 86.0 |
| 89          | 56.1  | 47.8 71.8 |



#52

Acenaphthene

Concen: 59.087 ng

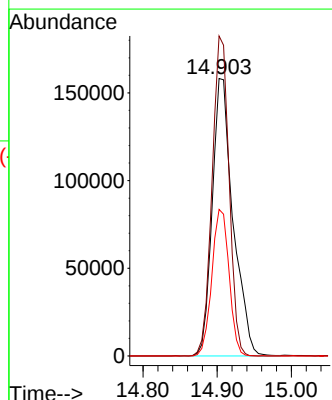
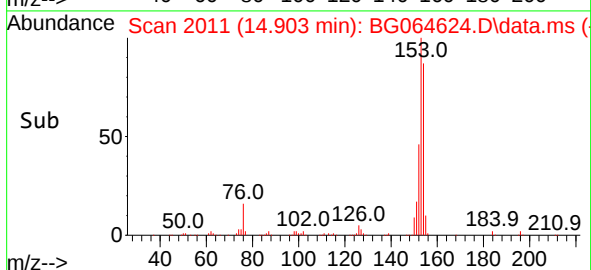
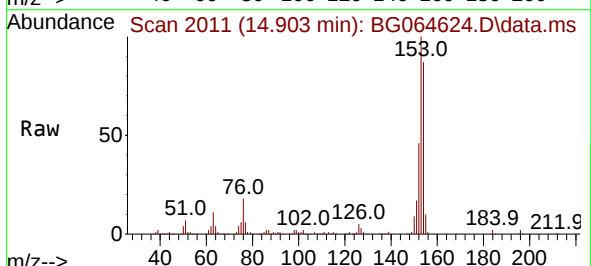
RT: 14.903 min Scan# 2011

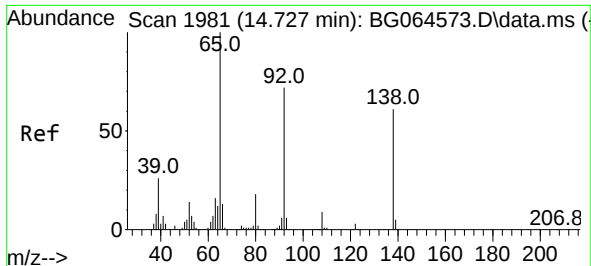
Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 309699     |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 115.3 | 92.2 138.4 |
| 152         | 52.8  | 43.2 64.8  |

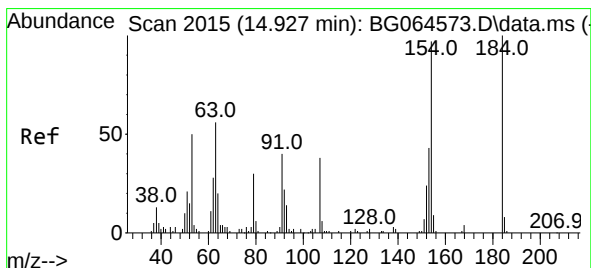
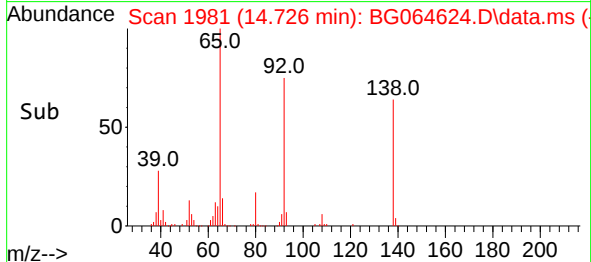
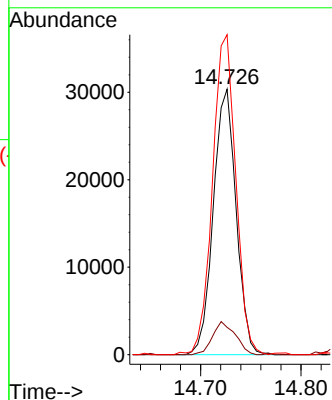
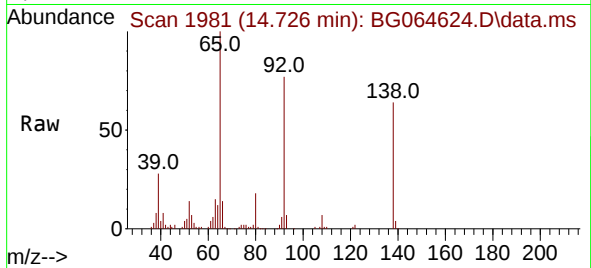




#53  
3-Nitroaniline  
Concen: 40.250 ng  
RT: 14.726 min Scan# 1981  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

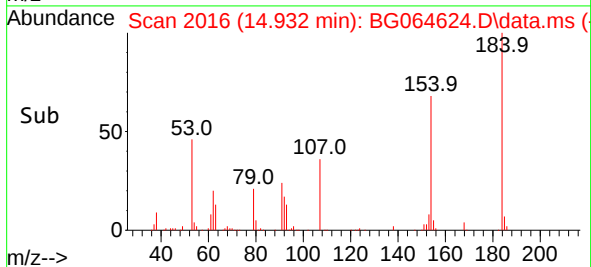
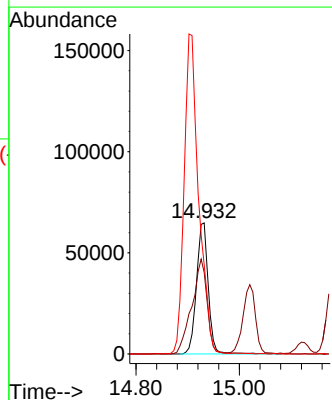
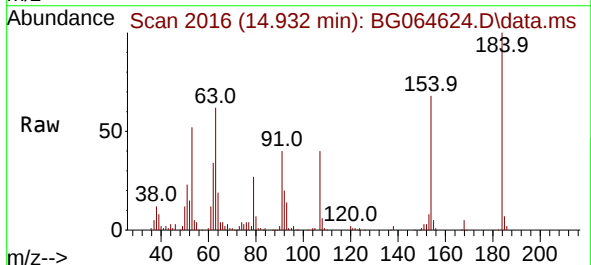
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

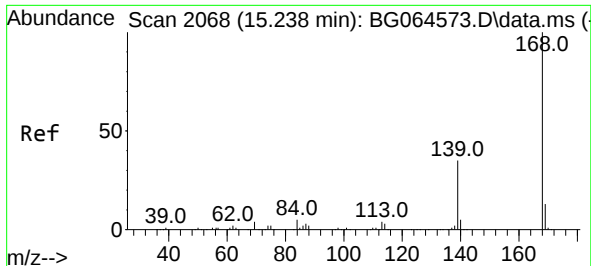
Tgt Ion:138 Resp: 47973  
Ion Ratio Lower Upper  
138 100  
108 10.3 11.4 17.0#  
92 120.5 95.3 142.9



#54  
2,4-Dinitrophenol  
Concen: 141.388 ng  
RT: 14.932 min Scan# 2016  
Delta R.T. 0.002 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:184 Resp: 102510  
Ion Ratio Lower Upper  
184 100  
63 62.1 56.6 85.0  
154 68.1 158.6 238.0#

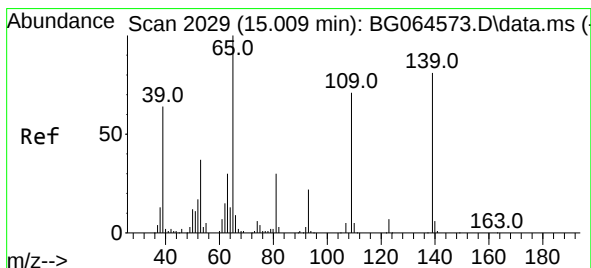
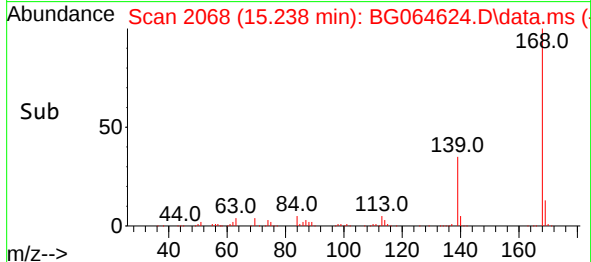
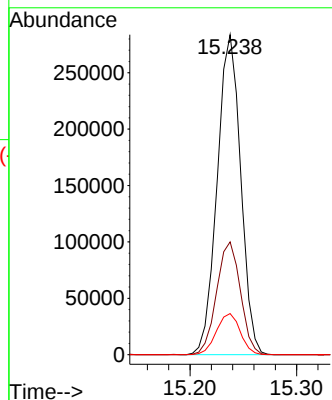
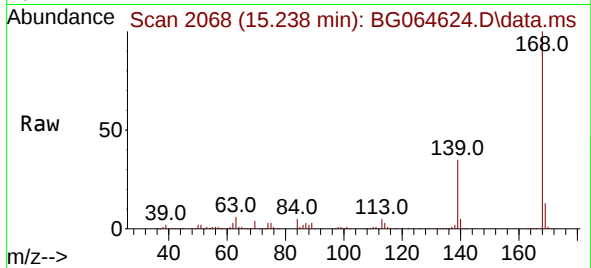




#55  
Dibenzofuran  
Concen: 51.250 ng  
RT: 15.238 min Scan# 2068  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

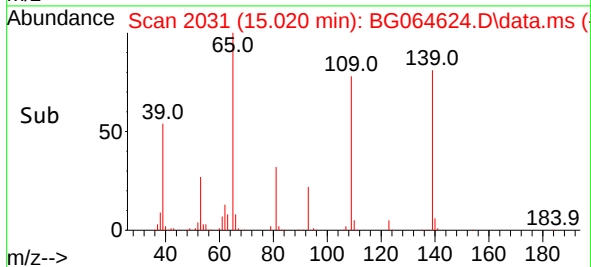
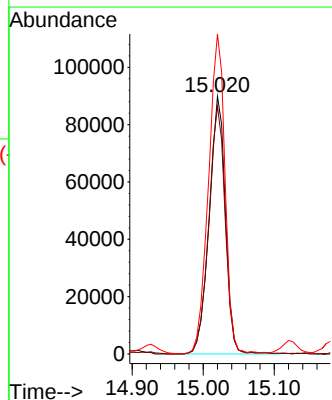
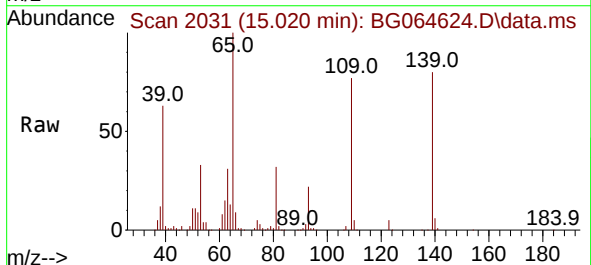
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

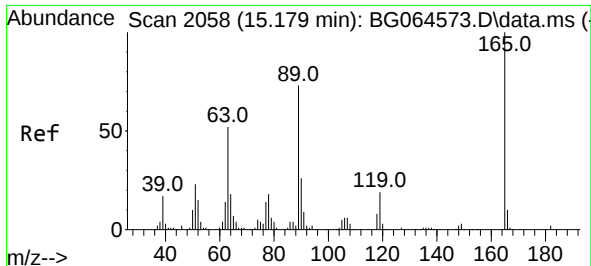
Tgt Ion:168 Resp: 434287  
Ion Ratio Lower Upper  
168 100  
139 35.3 27.8 41.8  
169 12.8 10.3 15.5



#56  
4-Nitrophenol  
Concen: 129.533 ng  
RT: 15.020 min Scan# 2031  
Delta R.T. 0.002 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:139 Resp: 143139  
Ion Ratio Lower Upper  
139 100  
109 96.2 67.8 107.8  
65 124.2 103.7 143.7





#57

2,4-Dinitrotoluene

Concen: 59.269 ng

RT: 15.179 min Scan# 2058

Delta R.T. -0.010 min

Lab File: BG064624.D

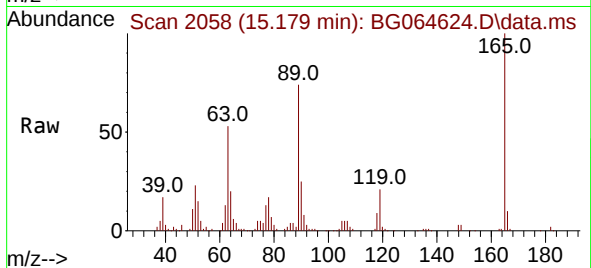
Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



Tgt Ion:165 Resp: 106219

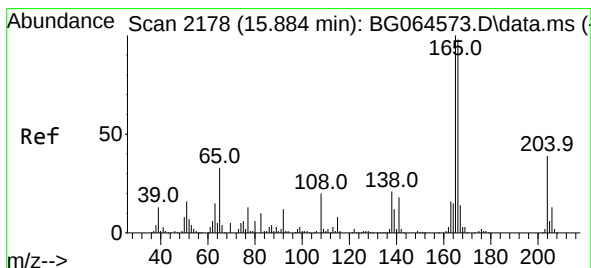
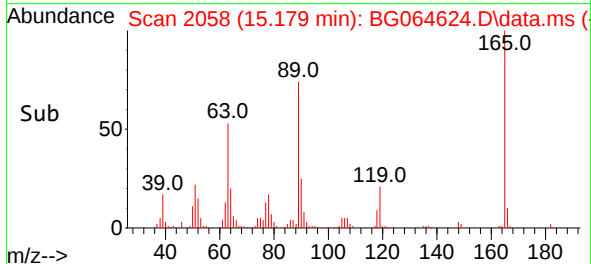
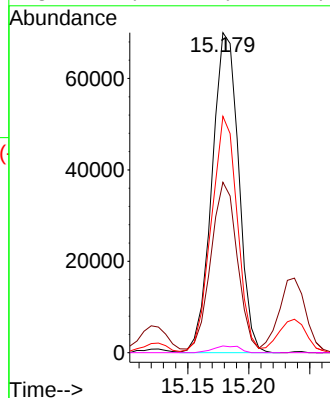
Ion Ratio Lower Upper

165 100

63 53.3 41.8 62.8

89 73.9 58.1 87.1

182 2.1 1.4 2.0#



#58

Fluorene

Concen: 51.406 ng

RT: 15.884 min Scan# 2178

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

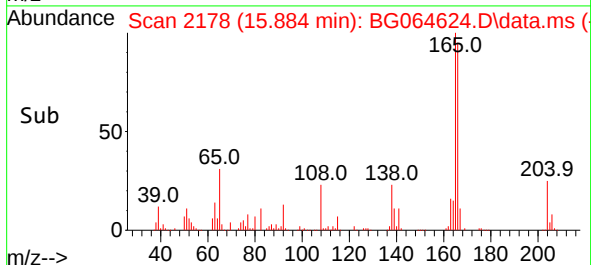
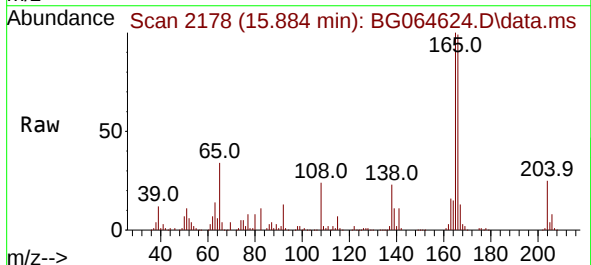
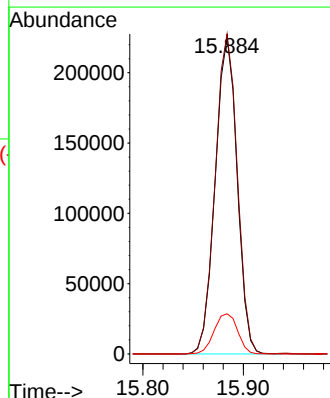
Tgt Ion:166 Resp: 340194

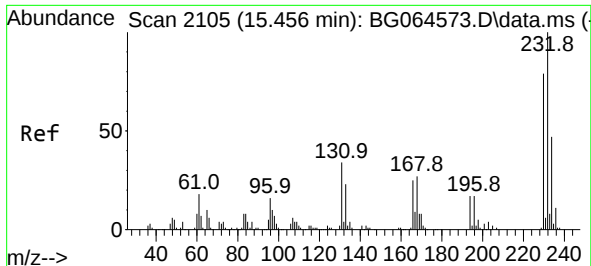
Ion Ratio Lower Upper

166 100

165 101.0 81.5 122.3

167 12.7 11.4 17.0

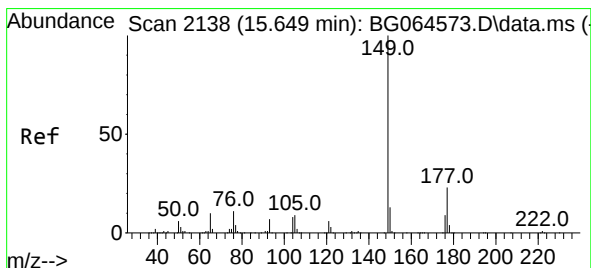
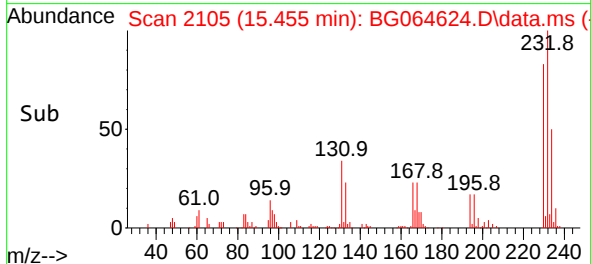
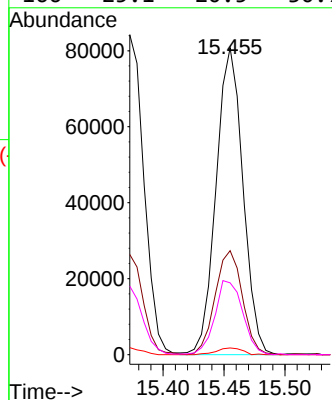
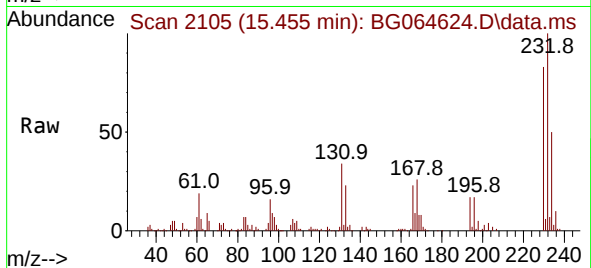




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 64.568 ng  
RT: 15.455 min Scan# 2105  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

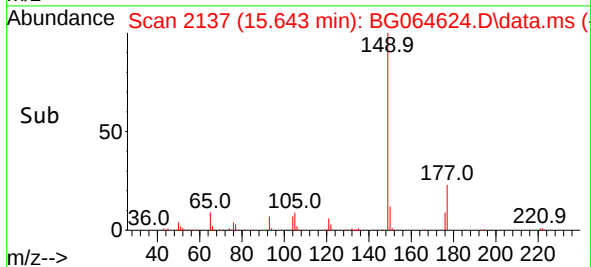
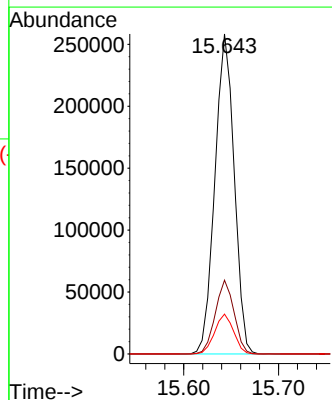
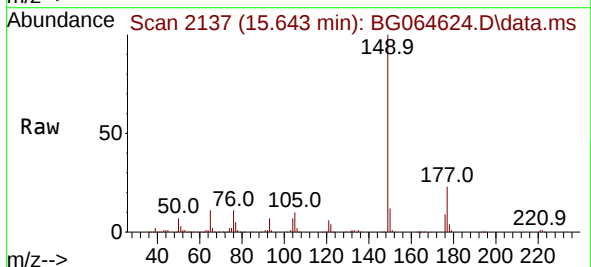
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

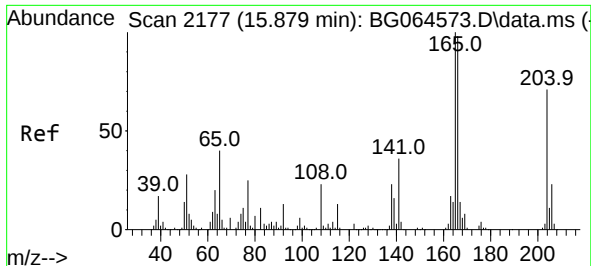
Tgt Ion:232 Resp: 123971  
Ion Ratio Lower Upper  
232 100  
131 34.4 26.7 40.1  
130 2.1 1.6 2.4  
166 25.1 20.5 30.7



#60  
Diethylphthalate  
Concen: 51.562 ng  
RT: 15.643 min Scan# 2137  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:149 Resp: 365128  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.0 27.0  
150 12.5 10.2 15.4

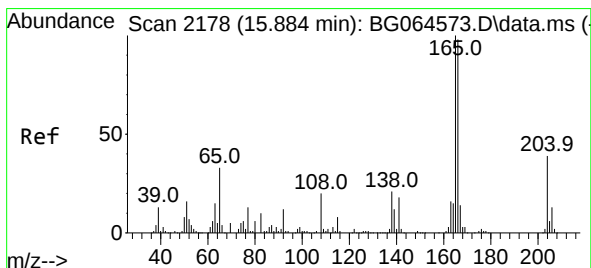
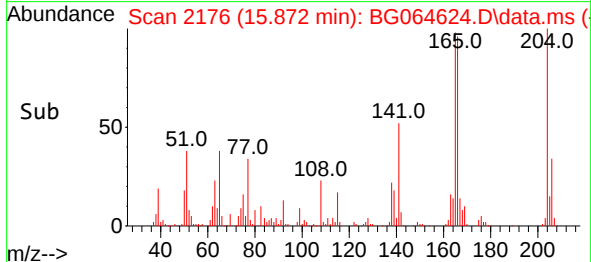
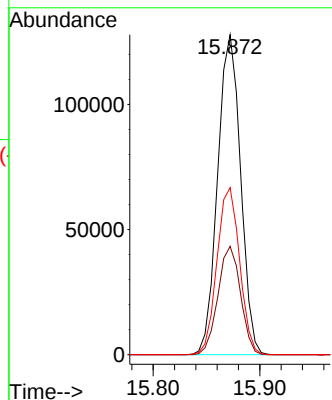
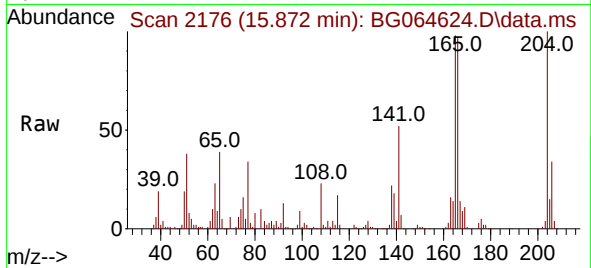




#61  
4-Chlorophenyl-phenylether  
Concen: 51.398 ng  
RT: 15.872 min Scan# 2176  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

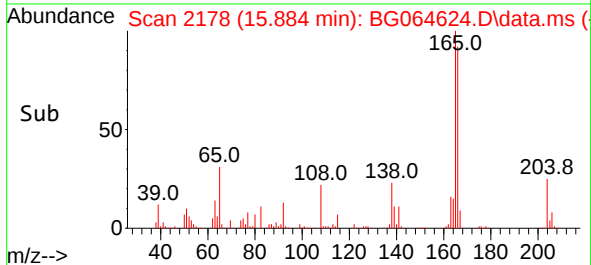
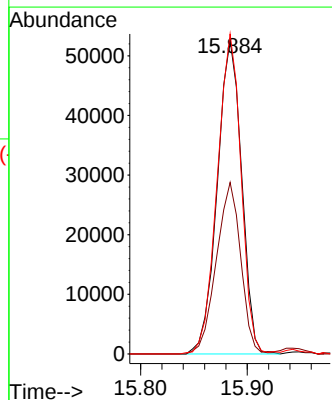
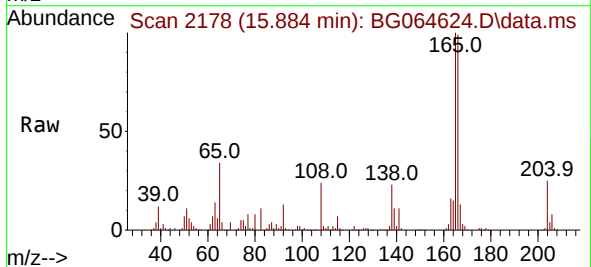
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

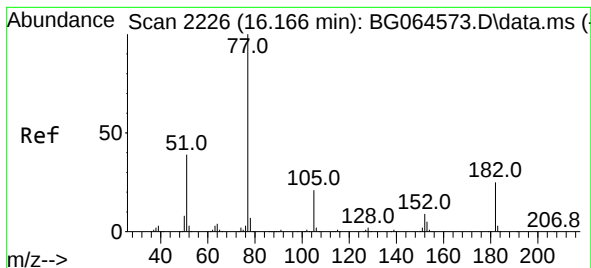
Tgt Ion:204 Resp: 190886  
Ion Ratio Lower Upper  
204 100  
206 33.9 25.6 38.4  
141 52.2 40.6 60.8



#62  
4-Nitroaniline  
Concen: 62.839 ng  
RT: 15.884 min Scan# 2178  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:138 Resp: 83324  
Ion Ratio Lower Upper  
138 100  
92 54.7 36.1 76.1  
108 102.0 75.6 115.6





#63

Azobenzene

Concen: 55.044 ng

RT: 16.166 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG064624.D

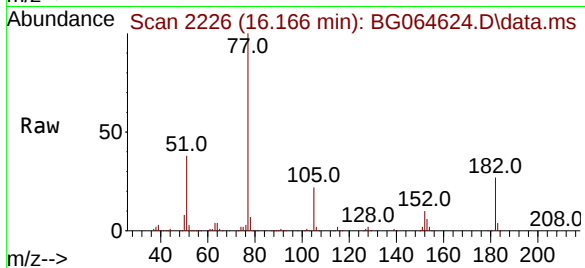
Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



Tgt Ion: 77 Resp: 357643

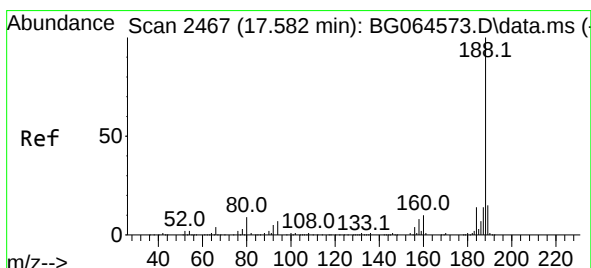
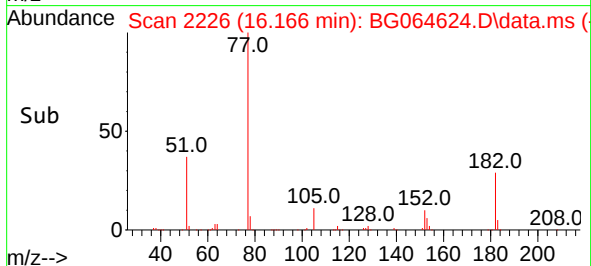
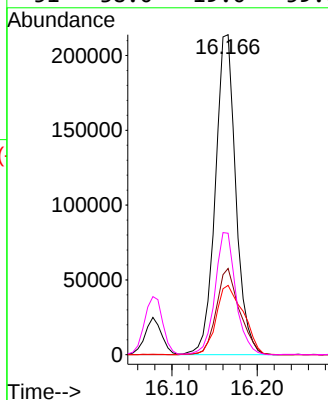
Ion Ratio Lower Upper

77 100

182 27.0 4.9 44.9

105 21.6 1.3 41.3

51 38.0 19.0 59.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.576 min Scan# 2466

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

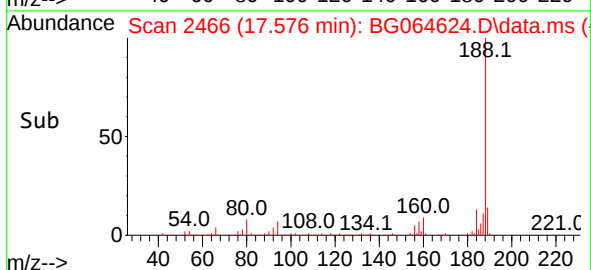
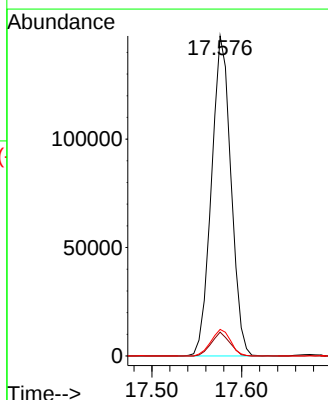
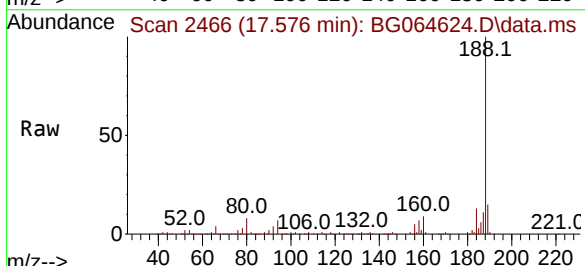
Tgt Ion:188 Resp: 223021

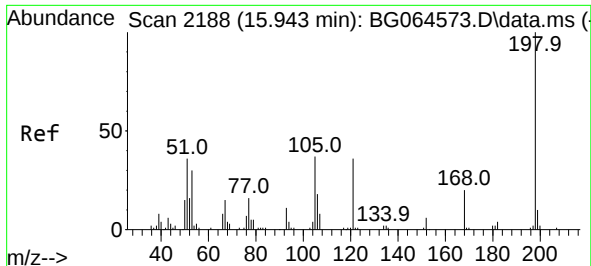
Ion Ratio Lower Upper

188 100

94 7.4 5.7 8.5

80 8.3 6.8 10.2

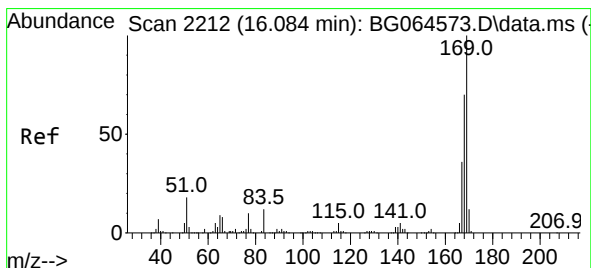
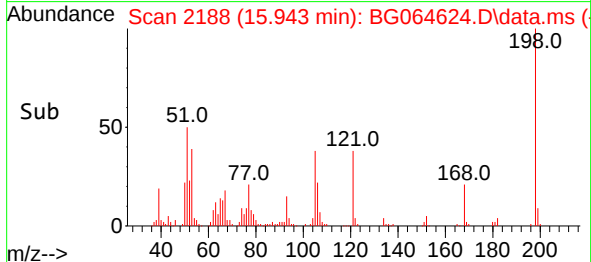
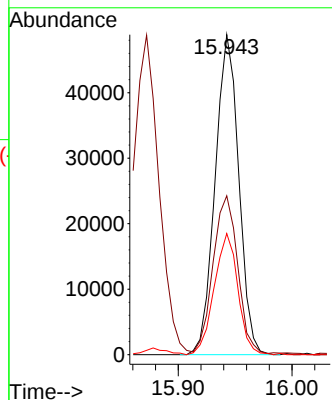
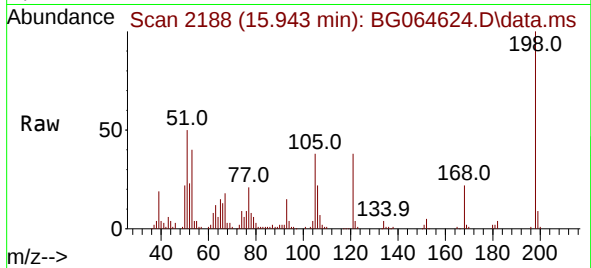




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 69.145 ng  
 RT: 15.943 min Scan# 2188  
 Delta R.T. -0.004 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

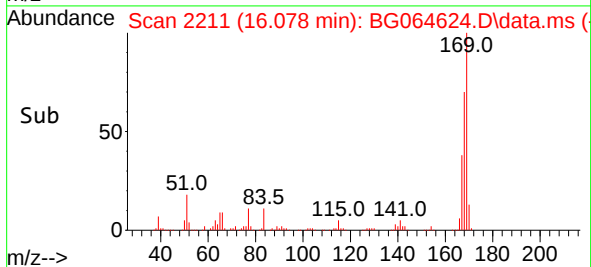
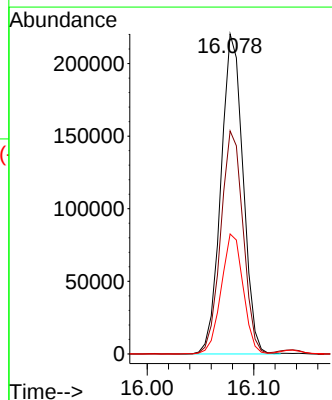
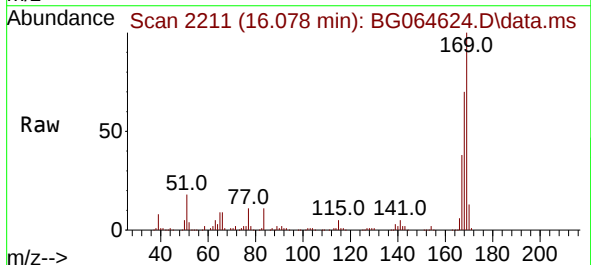
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-MAHWAH-SOILMS

Tgt Ion:198 Resp: 70501  
 Ion Ratio Lower Upper  
 198 100  
 51 49.7 24.7 64.7  
 105 37.8 18.0 58.0



#66  
 n-Nitrosodiphenylamine  
 Concen: 52.531 ng  
 RT: 16.078 min Scan# 2211  
 Delta R.T. -0.010 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

Tgt Ion:169 Resp: 316466  
 Ion Ratio Lower Upper  
 169 100  
 168 69.7 56.3 84.5  
 167 37.5 29.0 43.6

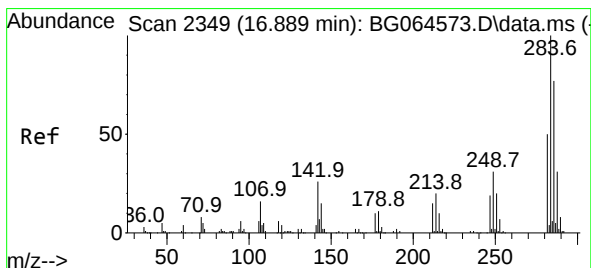
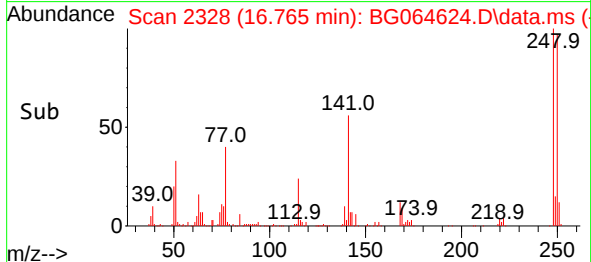
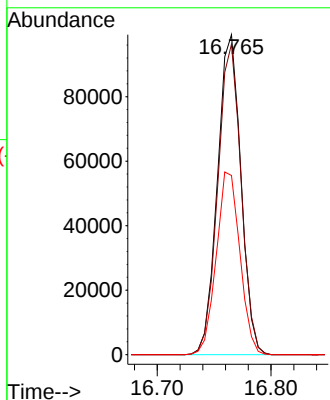
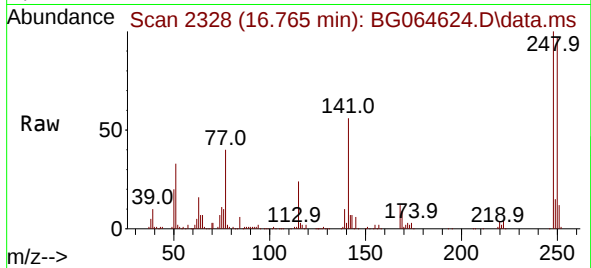




#67  
4-Bromophenyl-phenylether  
Concen: 53.763 ng  
RT: 16.765 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

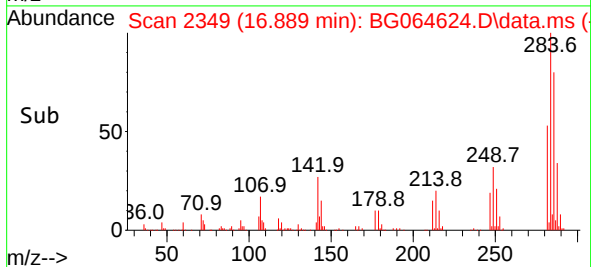
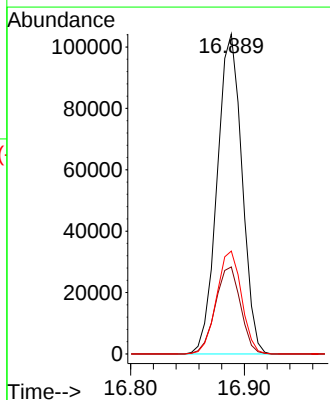
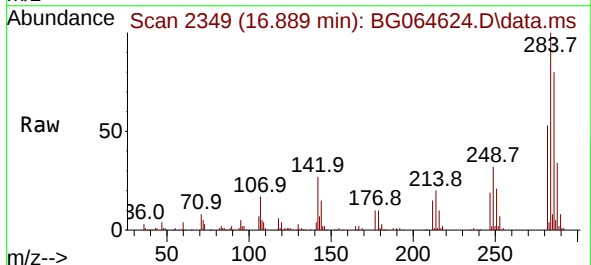
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

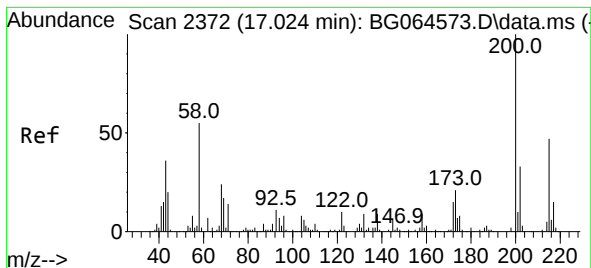
Tgt Ion:248 Resp: 142089  
Ion Ratio Lower Upper  
248 100  
250 97.1 77.7 116.5  
141 56.0 48.6 72.8



#68  
Hexachlorobenzene  
Concen: 52.503 ng  
RT: 16.889 min Scan# 2349  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:284 Resp: 158302  
Ion Ratio Lower Upper  
284 100  
142 27.2 21.0 31.6  
249 32.1 24.9 37.3





#69

Atrazine

Concen: 58.949 ng

RT: 17.018 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

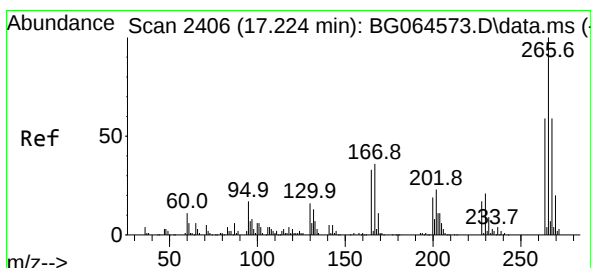
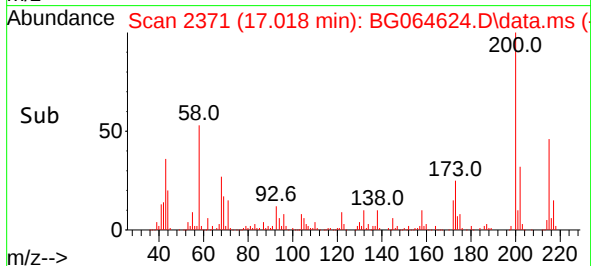
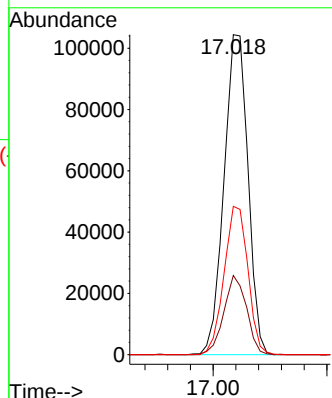
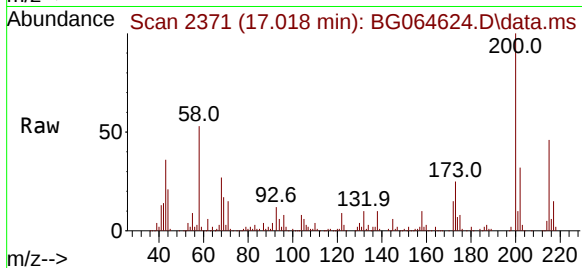
Tgt Ion:200 Resp: 152826

Ion Ratio Lower Upper

200 100

173 24.8 0.9 40.9

215 46.4 27.0 67.0



#70

Pentachlorophenol

Concen: 122.155 ng

RT: 17.223 min Scan# 2406

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

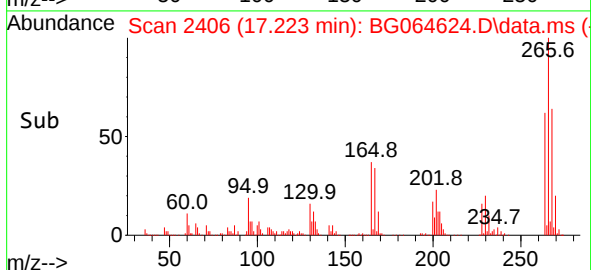
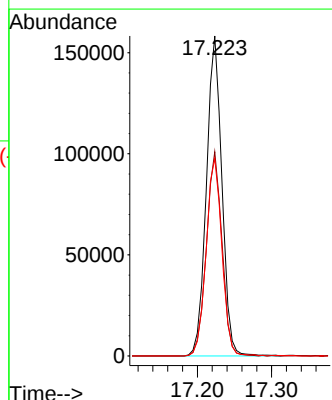
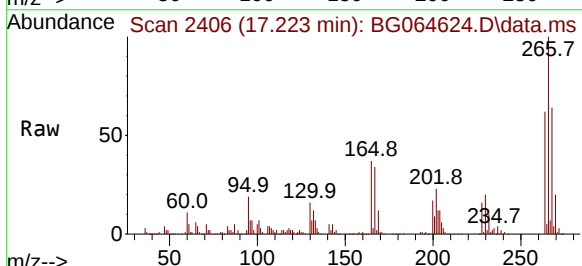
Tgt Ion:266 Resp: 229672

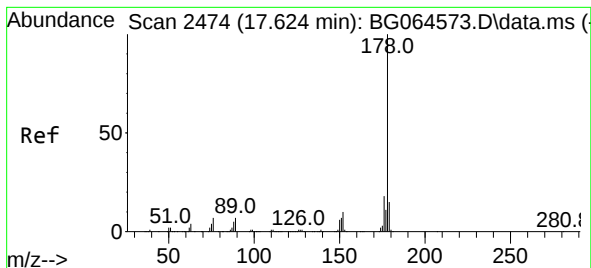
Ion Ratio Lower Upper

266 100

268 68.1 50.3 75.5

264 61.7 47.3 70.9





#71

Phenanthrene

Concen: 52.082 ng

RT: 17.623 min Scan# 2474

Delta R.T. -0.004 min

Lab File: BG064624.D

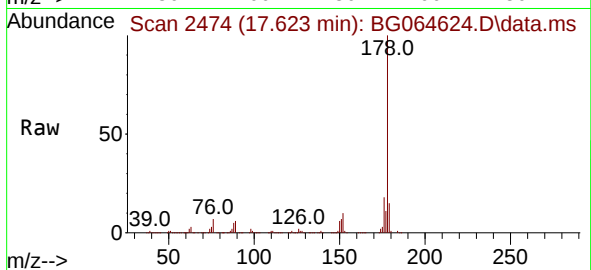
Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



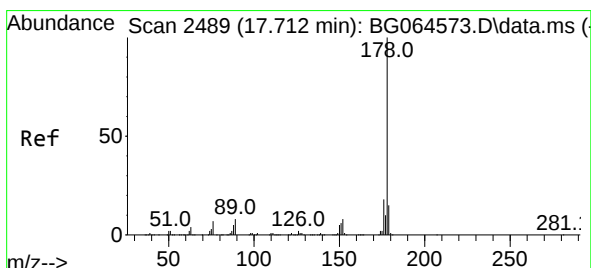
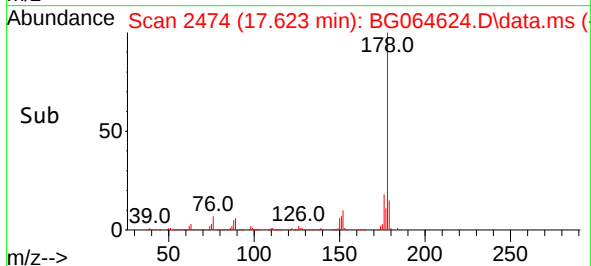
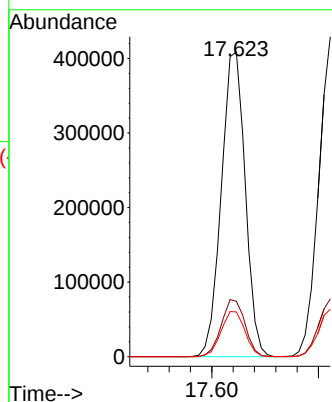
Tgt Ion:178 Resp: 635196

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 14.7 12.2 18.4



#72

Anthracene

Concen: 51.635 ng

RT: 17.711 min Scan# 2489

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

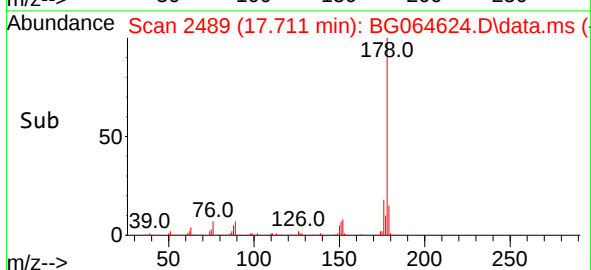
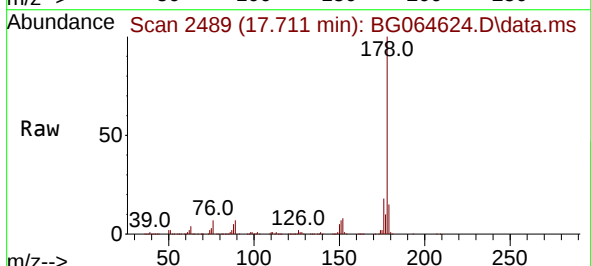
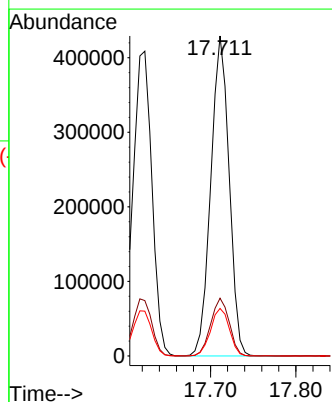
Tgt Ion:178 Resp: 640607

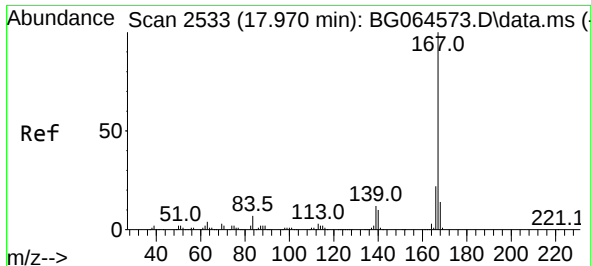
Ion Ratio Lower Upper

178 100

176 18.1 14.4 21.6

179 14.9 12.4 18.6

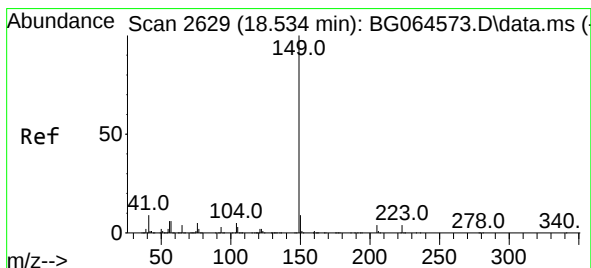
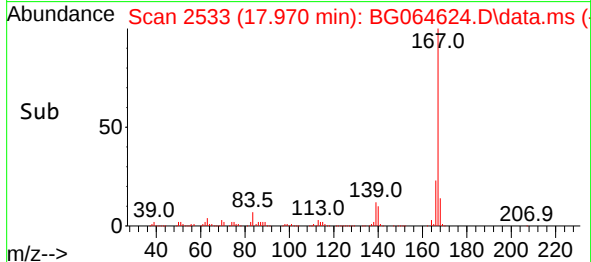
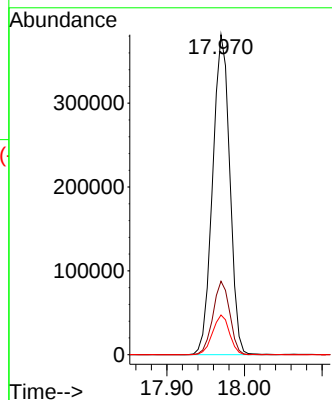
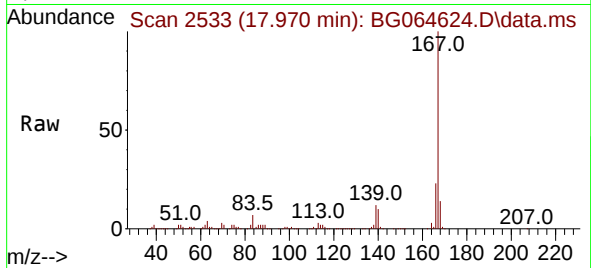




#73  
 Carbazole  
 Concen: 53.620 ng  
 RT: 17.970 min Scan# 2533  
 Delta R.T. -0.004 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

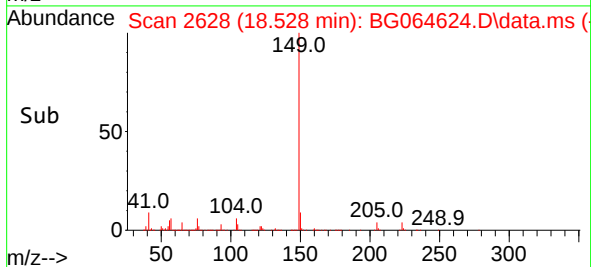
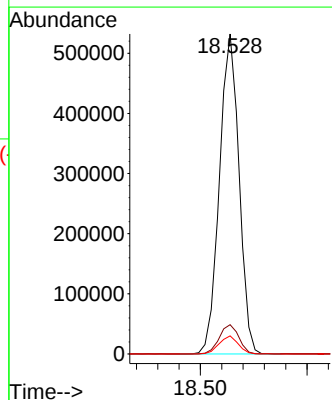
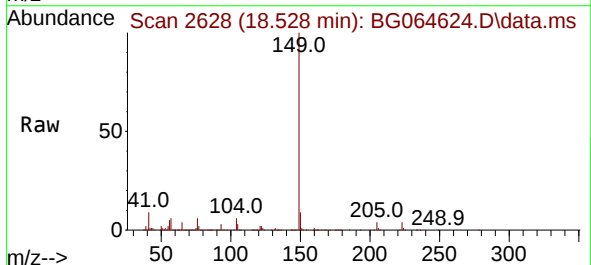
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-MAHWAH-SOILMS

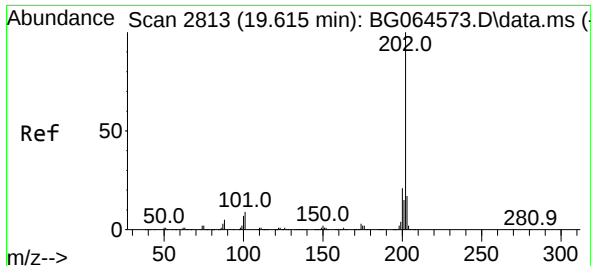
Tgt Ion:167 Resp: 586605  
 Ion Ratio Lower Upper  
 167 100  
 166 22.9 17.9 26.9  
 139 12.4 9.7 14.5



#74  
 Di-n-butylphthalate  
 Concen: 53.561 ng  
 RT: 18.528 min Scan# 2628  
 Delta R.T. -0.010 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

Tgt Ion:149 Resp: 677589  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.0 10.6  
 104 5.7 4.1 6.1

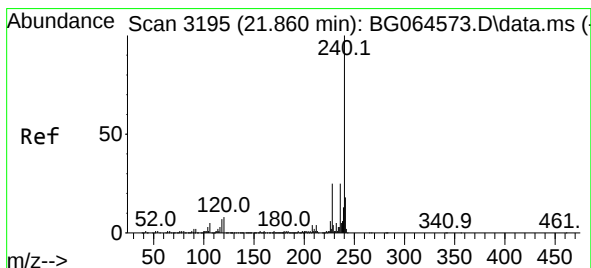
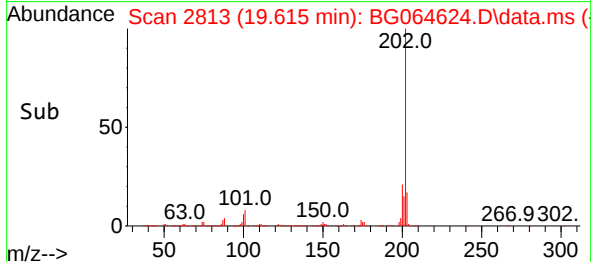
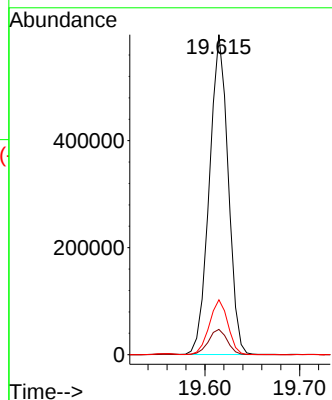
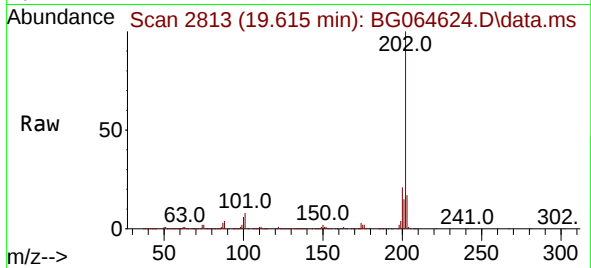




#75  
Fluoranthene  
Concen: 53.722 ng  
RT: 19.615 min Scan# 2813  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

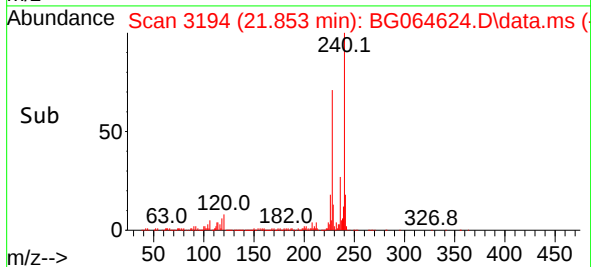
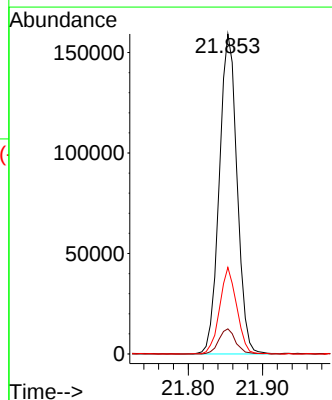
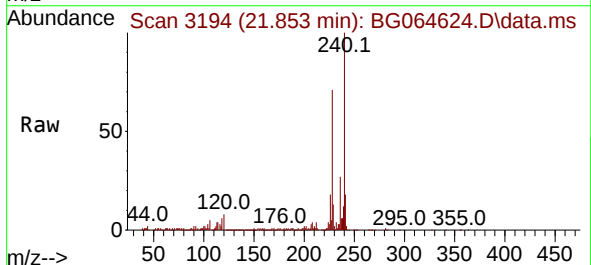
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

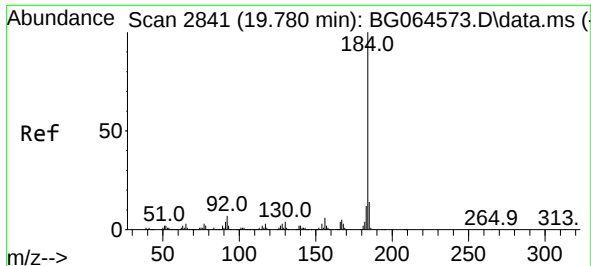
Tgt Ion:202 Resp: 820802  
Ion Ratio Lower Upper  
202 100  
101 7.9 0.0 28.7  
203 17.2 0.0 37.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.853 min Scan# 3194  
Delta R.T. -0.010 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:240 Resp: 264828  
Ion Ratio Lower Upper  
240 100  
120 7.9 6.5 9.7  
236 27.1 20.2 30.2

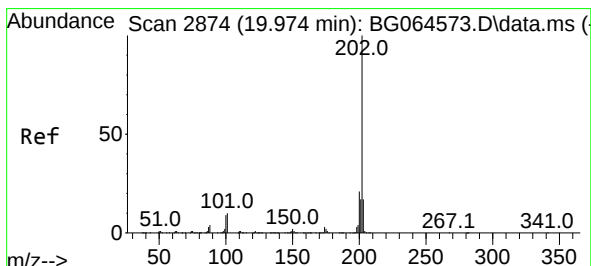
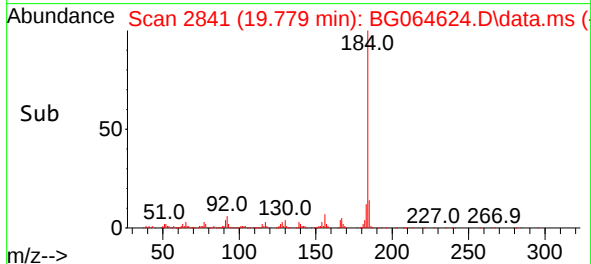
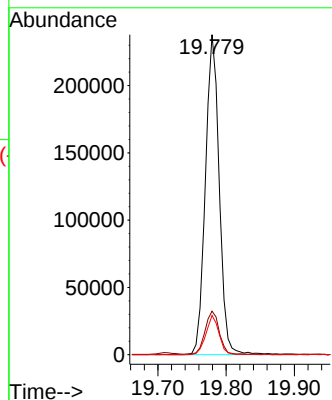
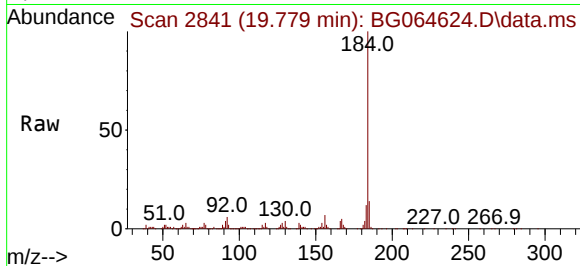




#77  
Benzidine  
Concen: 56.541 ng  
RT: 19.779 min Scan# 2841  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

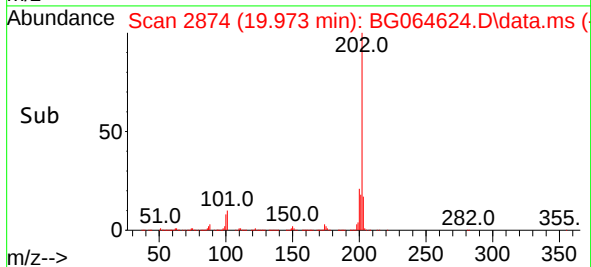
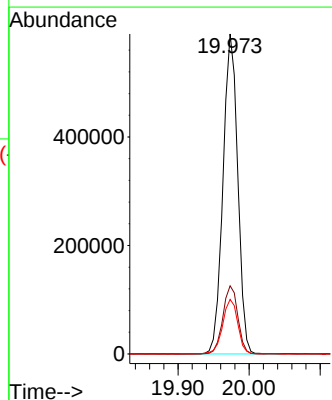
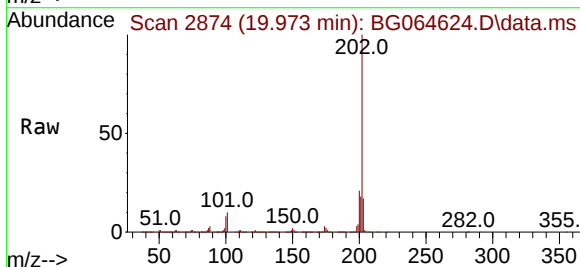
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

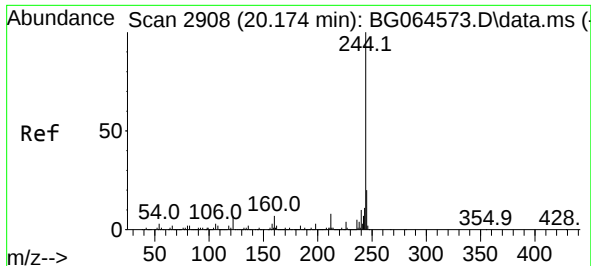
Tgt Ion:184 Resp: 335470  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.4 17.2  
183 12.2 9.4 14.2



#78  
Pyrene  
Concen: 48.891 ng  
RT: 19.973 min Scan# 2874  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:202 Resp: 845932  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.0 25.4  
203 17.0 13.8 20.6

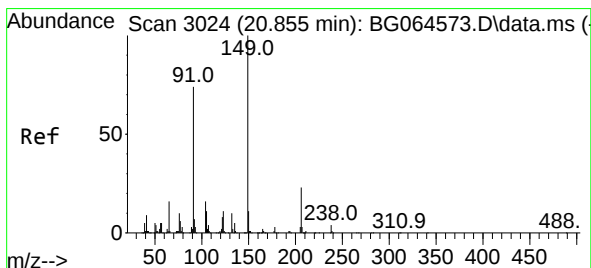
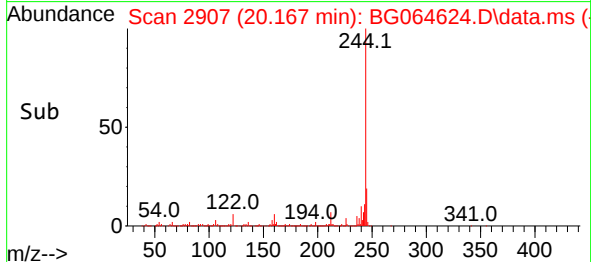
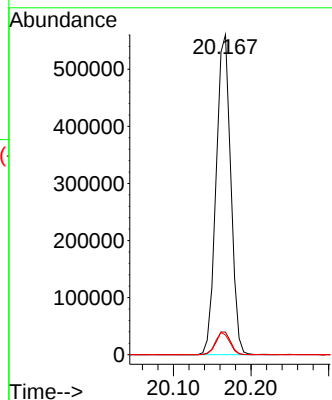
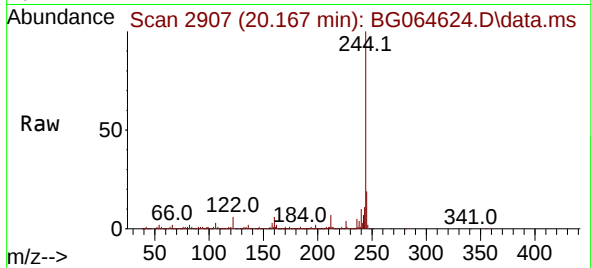




#79  
 Terphenyl-d14  
 Concen: 52.261 ng  
 RT: 20.167 min Scan# 2907  
 Delta R.T. -0.010 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

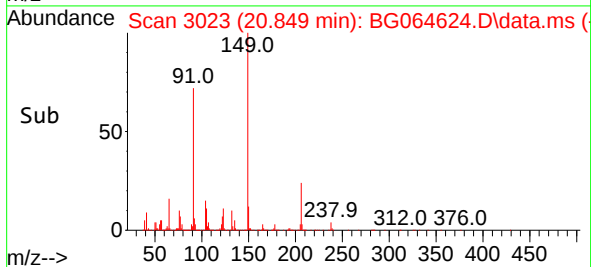
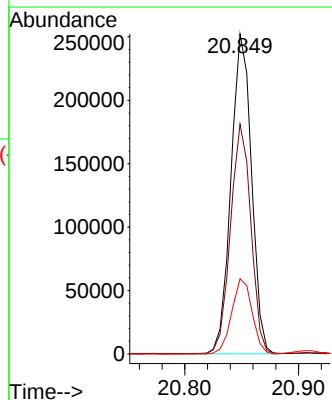
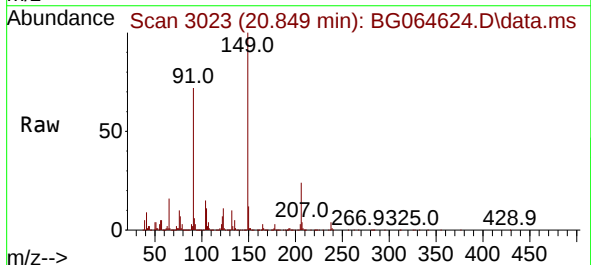
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOUTH-MAHWAH-SOILMS

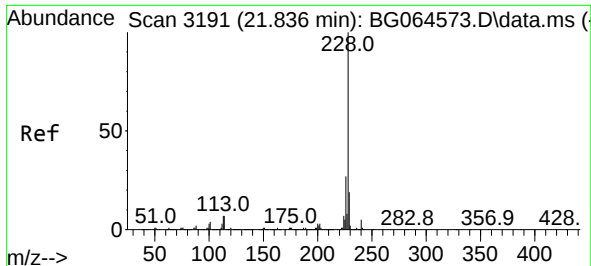
Tgt Ion:244 Resp: 733389  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.1 9.1  
 122 6.2 5.6 8.4



#80  
 Butylbenzylphthalate  
 Concen: 60.384 ng  
 RT: 20.849 min Scan# 3023  
 Delta R.T. -0.010 min  
 Lab File: BG064624.D  
 Acq: 29 Oct 2025 15:31

Tgt Ion:149 Resp: 315774  
 Ion Ratio Lower Upper  
 149 100  
 91 71.8 59.2 88.8  
 206 23.5 18.1 27.1

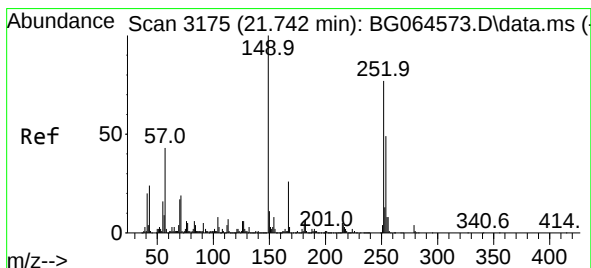
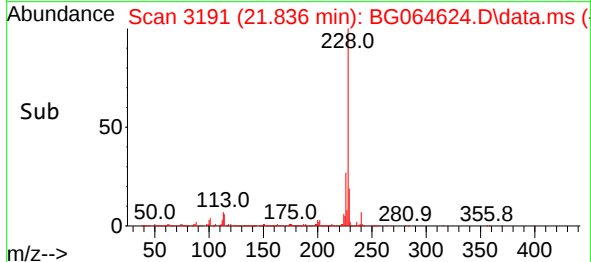
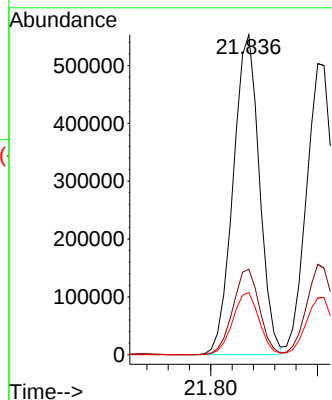
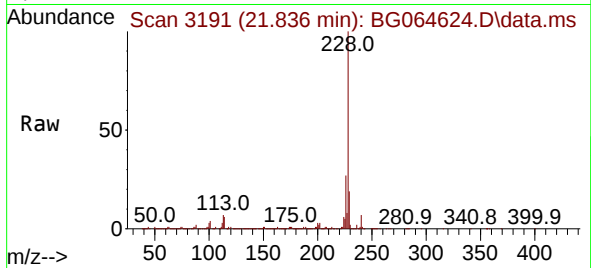




#81  
Benzo(a)anthracene  
Concen: 53.928 ng  
RT: 21.836 min Scan# 3191  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

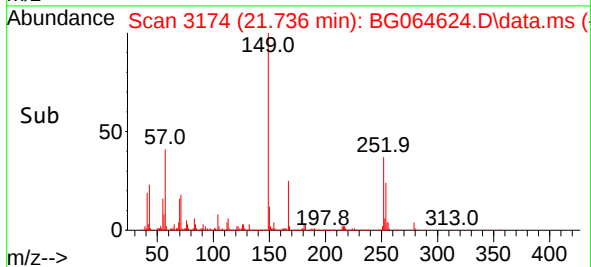
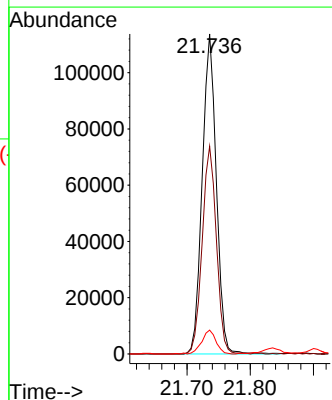
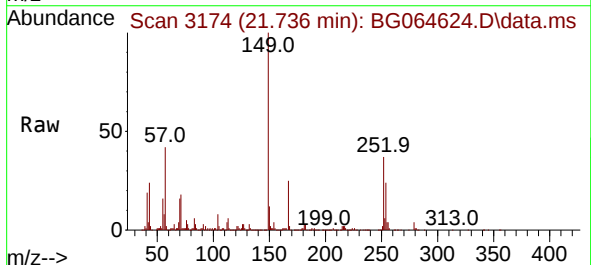
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

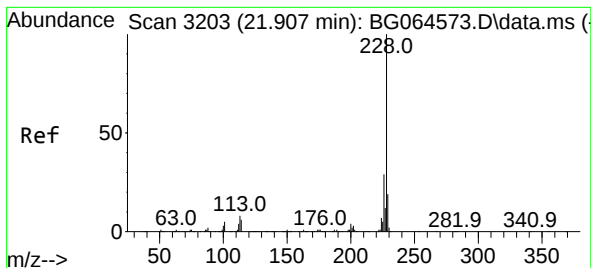
Tgt Ion:228 Resp: 946961  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.9 32.9  
229 19.4 15.6 23.4



#82  
3,3'-Dichlorobenzidine  
Concen: 30.012 ng  
RT: 21.736 min Scan# 3174  
Delta R.T. -0.004 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:252 Resp: 175979  
Ion Ratio Lower Upper  
252 100  
254 64.9 50.8 76.2  
126 7.4 5.8 8.6





#83

Chrysene

Concen: 52.562 ng

RT: 21.900 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

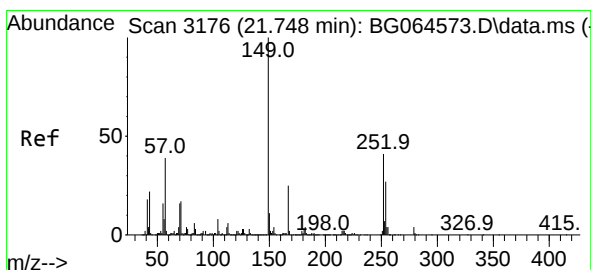
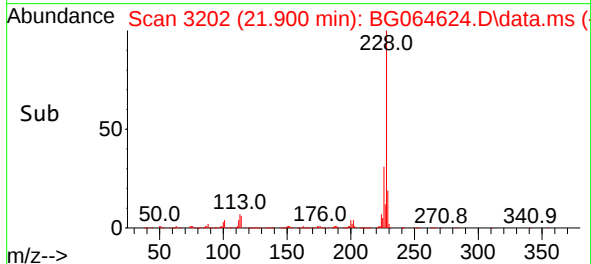
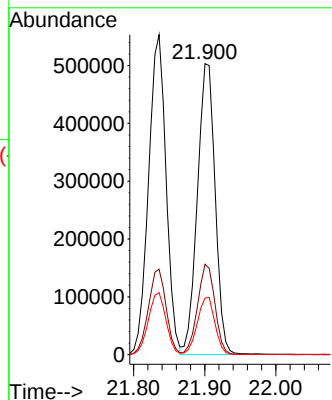
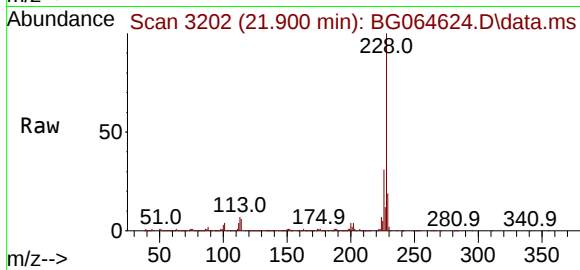
Tgt Ion:228 Resp: 878221

Ion Ratio Lower Upper

228 100

226 31.1 23.3 34.9

229 19.4 15.2 22.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.022 ng

RT: 21.742 min Scan# 3175

Delta R.T. -0.010 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

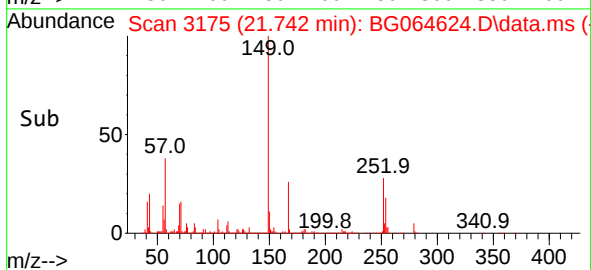
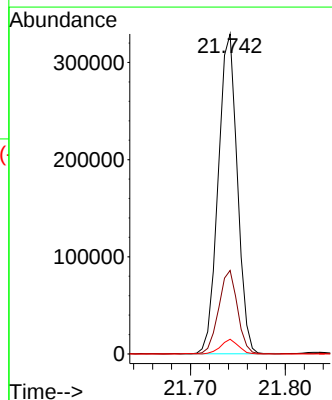
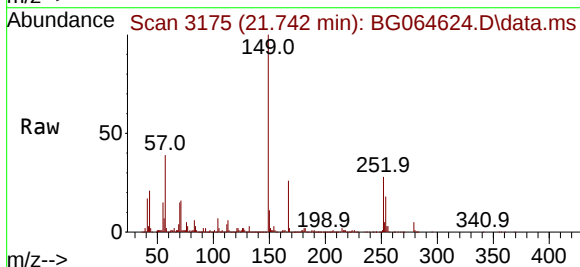
Tgt Ion:149 Resp: 461198

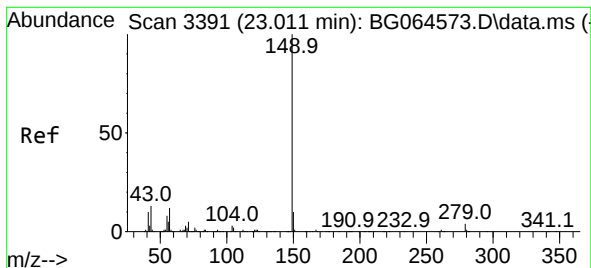
Ion Ratio Lower Upper

149 100

167 26.1 20.0 30.0

279 4.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 60.081 ng

RT: 22.999 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

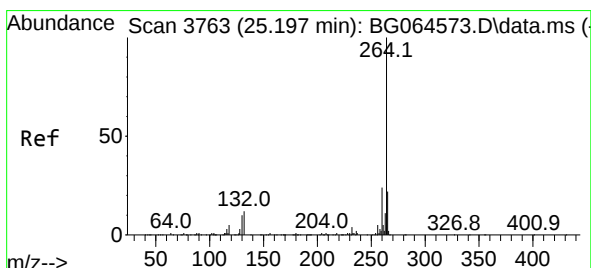
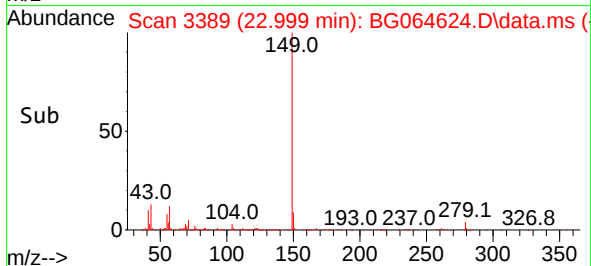
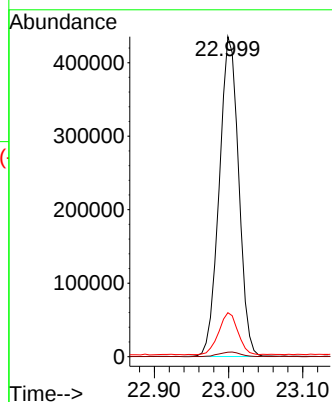
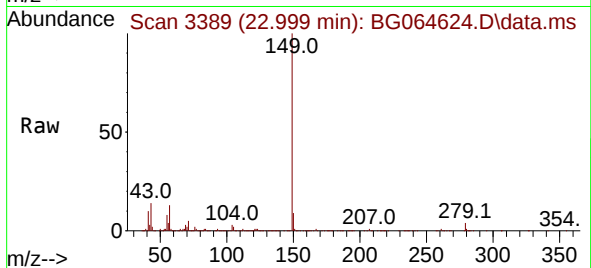
Tgt Ion:149 Resp: 791535

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 13.0 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.196 min Scan# 3763

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

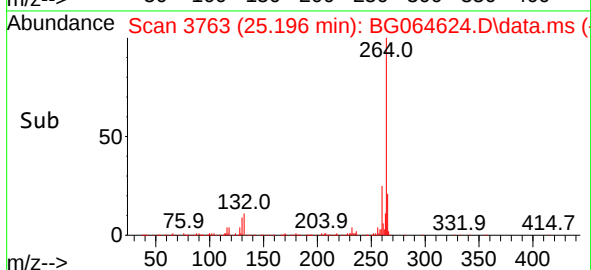
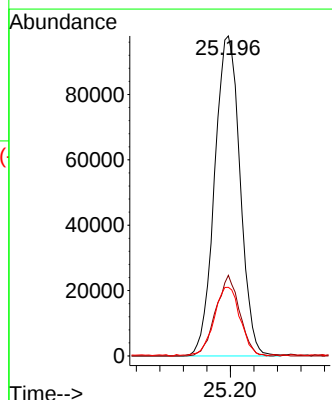
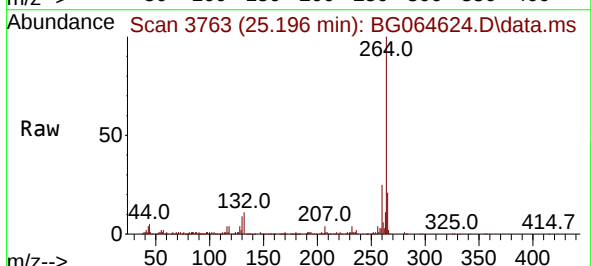
Tgt Ion:264 Resp: 294081

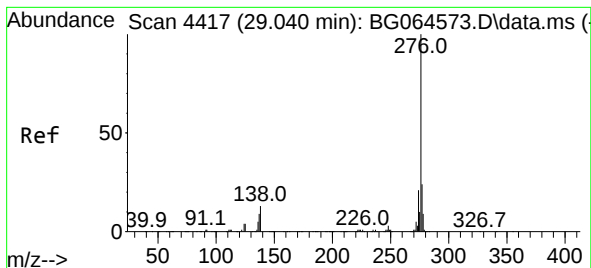
Ion Ratio Lower Upper

264 100

260 25.2 19.0 28.4

265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.837 ng

RT: 29.033 min Scan# 4416

Delta R.T. -0.028 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

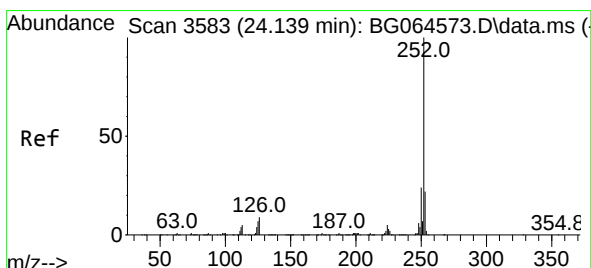
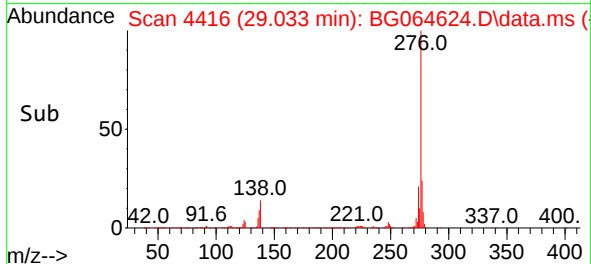
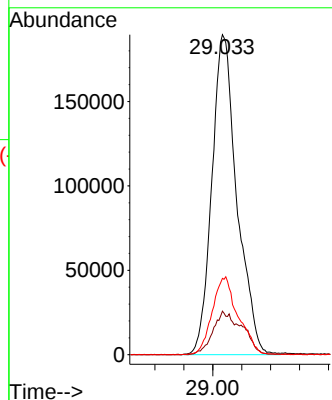
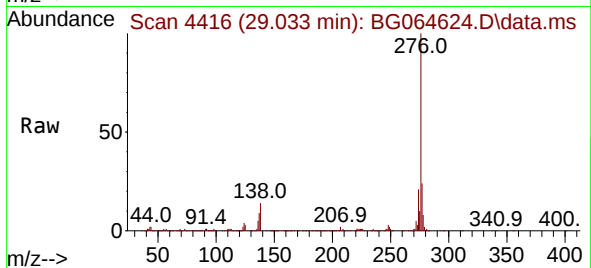
Tgt Ion:276 Resp: 1143062

Ion Ratio Lower Upper

276 100

138 15.8 10.8 16.2

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 51.910 ng

RT: 24.139 min Scan# 3583

Delta R.T. -0.004 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

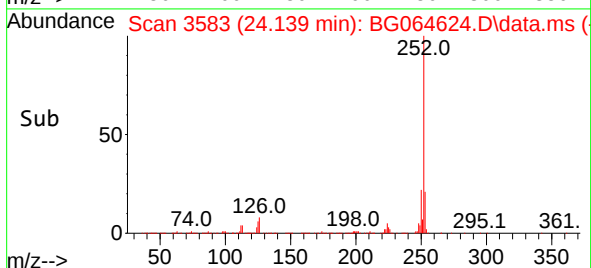
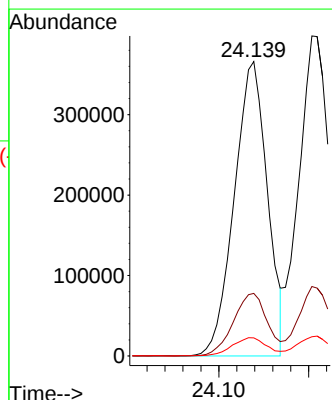
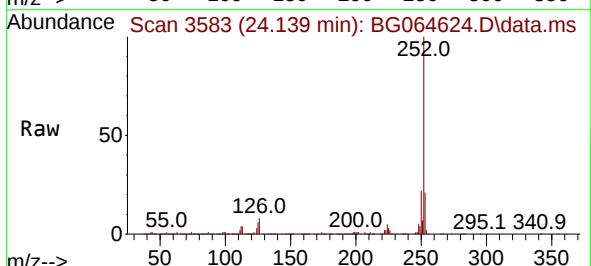
Tgt Ion:252 Resp: 936096

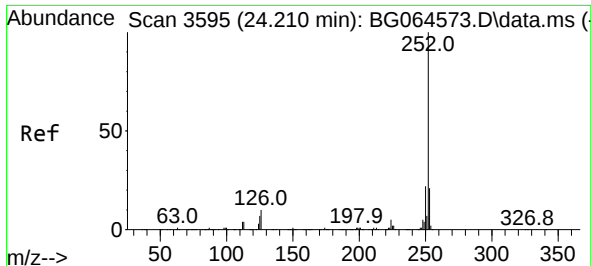
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 6.1 5.6 8.4

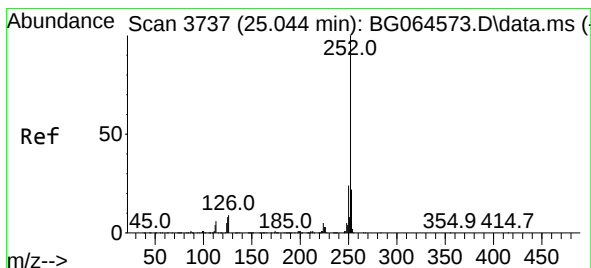
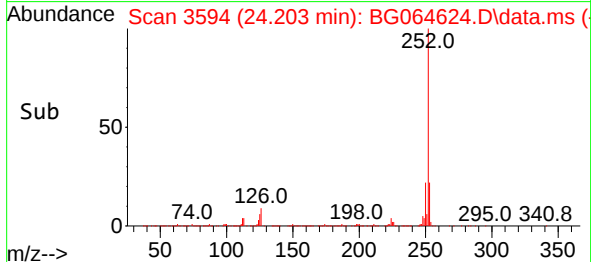
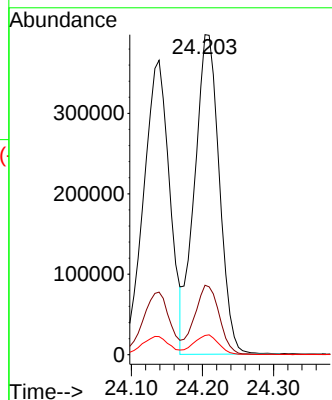
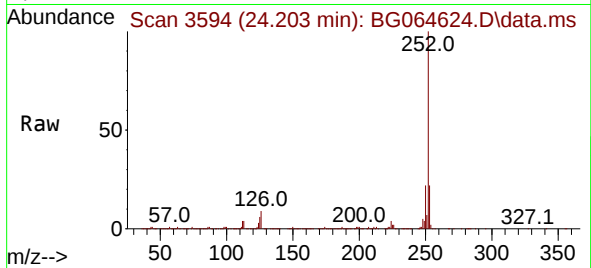




#89  
Benzo(k)fluoranthene  
Concen: 53.329 ng  
RT: 24.203 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

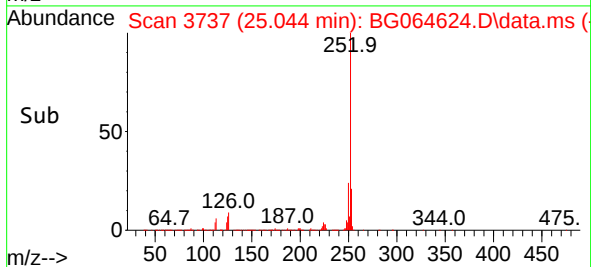
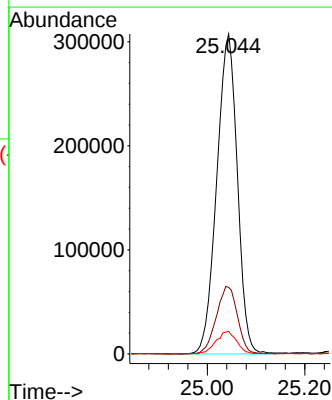
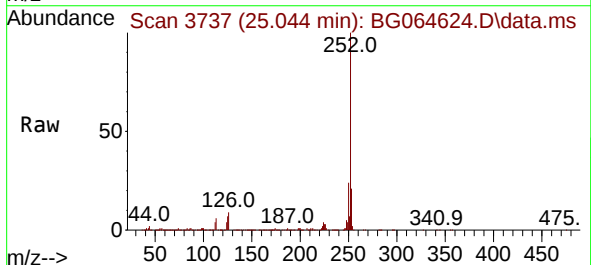
Instrument :  
BNA\_G  
ClientSampleId :  
SOUTH-MAHWAH-SOILMS

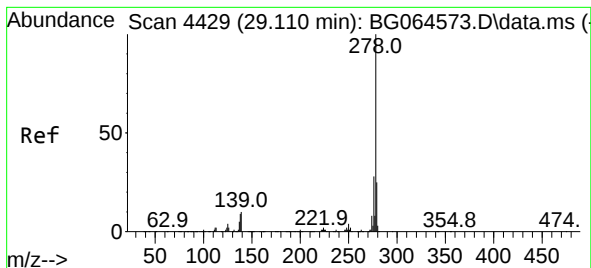
Tgt Ion:252 Resp: 962350  
Ion Ratio Lower Upper  
252 100  
253 21.7 16.8 25.2  
125 6.0 5.4 8.0



#90  
Benzo(a)pyrene  
Concen: 54.420 ng  
RT: 25.044 min Scan# 3737  
Delta R.T. -0.016 min  
Lab File: BG064624.D  
Acq: 29 Oct 2025 15:31

Tgt Ion:252 Resp: 902072  
Ion Ratio Lower Upper  
252 100  
253 20.8 17.6 26.4  
125 7.1 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 53.346 ng

RT: 29.104 min Scan# 4429

Delta R.T. -0.034 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA\_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

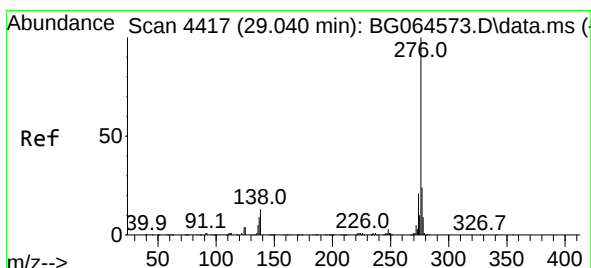
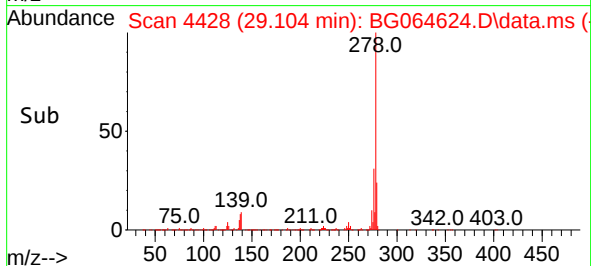
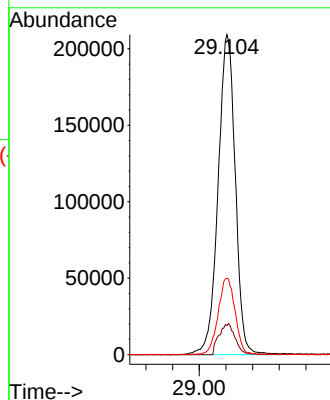
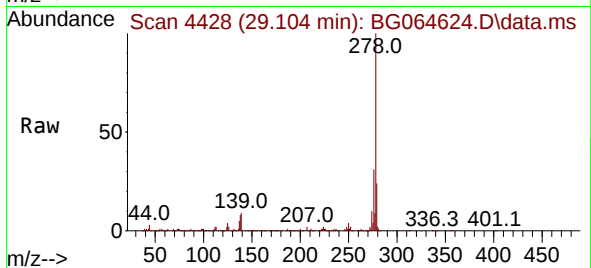
Tgt Ion:278 Resp: 937593

Ion Ratio Lower Upper

278 100

139 9.1 8.0 12.0

279 23.9 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 52.837 ng

RT: 29.033 min Scan# 4416

Delta R.T. -0.028 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Tgt Ion:276 Resp: 1143062

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 13.6 10.7 16.1

