

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030725\  
 Data File : BG064058.D  
 Acq On : 7 Mar 2025 14:18  
 Operator : RC/JU  
 Sample : PB167031BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB167031BS

Quant Time: Mar 07 14:57:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 05 15:39:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.864  | 152  | 37350    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.655 | 136  | 167596   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.492 | 164  | 115306   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.230 | 188  | 265788   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.466 | 240  | 268408   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.480 | 264  | 290005   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.455  | 112  | 314786   | 131.599 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.036  | 99   | 416430   | 127.972 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.016  | 82   | 264399   | 87.181  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.978 | 330  | 179892   | 140.353 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.117 | 172  | 634957   | 83.585  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.850 | 244  | 1172088  | 88.297  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.369  | 88   | 40790    | 37.627  | ng    | 93       |
| 3) Pyridine                   | 3.751  | 79   | 99512    | 37.745  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.669  | 42   | 84558    | 44.890  | ng    | 94       |
| 6) Aniline                    | 7.194  | 93   | 115817   | 36.271  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.429  | 128  | 105909   | 41.225  | ng    | 96       |
| 9) Benzaldehyde               | 7.006  | 77   | 37486    | 19.807  | ng    | 96       |
| 10) Phenol                    | 7.059  | 94   | 144336   | 43.323  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.288  | 93   | 101920   | 39.020  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.758  | 146  | 109287   | 38.738  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.899  | 146  | 109982   | 38.034  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.217  | 146  | 105273   | 37.754  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.099  | 79   | 104525   | 41.567  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 231908   | 39.486  | ng    | 98       |
| 17) 2-Methylphenol            | 8.299  | 107  | 98229    | 44.424  | ng    | 97       |
| 18) Hexachloroethane          | 8.945  | 117  | 40703    | 40.232  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.669  | 70   | 88738    | 38.857  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.628  | 107  | 132984   | 43.685  | ng    | 97       |
| 22) Acetophenone              | 8.681  | 105  | 194433   | 42.313  | ng    | # 98     |
| 24) Nitrobenzene              | 9.057  | 77   | 128158   | 40.890  | ng    | 95       |
| 25) Isophorone                | 9.580  | 82   | 247923   | 40.843  | ng    | 96       |
| 26) 2-Nitrophenol             | 9.768  | 139  | 42284    | 40.610  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.827  | 122  | 100614   | 55.290  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.068 | 93   | 141355   | 38.409  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.297 | 162  | 99214    | 43.177  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.520 | 180  | 108054   | 38.954  | ng    | 96       |
| 31) Naphthalene               | 10.702 | 128  | 340891   | 37.721  | ng    | 99       |
| 32) Benzoic acid              | 9.979  | 122  | 59540    | 37.870  | ng    | 91       |
| 33) 4-Chloroaniline           | 10.808 | 127  | 65346    | 19.784  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.996 | 225  | 70901    | 38.996  | ng    | 97       |
| 35) Caprolactam               | 11.578 | 113  | 19777    | 22.460  | ng    | # 82     |
| 36) 4-Chloro-3-methylphenol   | 11.930 | 107  | 124870   | 41.457  | ng    | 93       |
| 37) 2-Methylnaphthalene       | 12.312 | 142  | 236809   | 37.118  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.529 | 142  | 237776   | 38.041  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 12.682 | 216  | 142769   | 43.370  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.670 | 237  | 134371   | 145.029 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 12.917 | 196  | 86642    | 44.657  | ng    | 96       |

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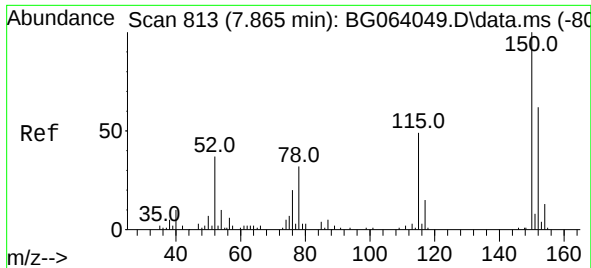
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 05 15:39:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.988 | 196  | 95182    | 44.152 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.323 | 154  | 383958   | 44.075 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.364 | 162  | 260312   | 40.971 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.563 | 65   | 88261    | 42.853 | ng    | 95       |
| 49) Acenaphthylene            | 14.210 | 152  | 421662   | 41.958 | ng    | 99       |
| 50) Dimethylphthalate         | 13.951 | 163  | 345559   | 40.599 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.063 | 165  | 69789    | 40.946 | ng    | 97       |
| 52) Acenaphthene              | 14.556 | 154  | 268690   | 39.839 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.386 | 138  | 43112    | 26.207 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.597 | 184  | 60678    | 83.859 | ng    | 92       |
| 55) Dibenzofuran              | 14.891 | 168  | 416978   | 38.165 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.697 | 139  | 134556   | 97.528 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.850 | 165  | 101445   | 42.989 | ng    | # 98     |
| 58) Fluorene                  | 15.538 | 166  | 338529   | 39.782 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.115 | 232  | 91404    | 43.492 | ng    | 96       |
| 60) Diethylphthalate          | 15.320 | 149  | 369537   | 39.992 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.538 | 204  | 165324   | 39.095 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.555 | 138  | 77903    | 43.863 | ng    | 93       |
| 63) Azobenzene                | 15.825 | 77   | 388690   | 39.420 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.608 | 198  | 45885    | 41.331 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.749 | 169  | 304982   | 40.538 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.425 | 248  | 108783   | 39.962 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.542 | 284  | 124061   | 40.708 | ng    | 99       |
| 69) Atrazine                  | 16.701 | 200  | 137316   | 62.032 | ng    | 95       |
| 70) Pentachlorophenol         | 16.883 | 266  | 161432   | 85.314 | ng    | 97       |
| 71) Phenanthrene              | 17.271 | 178  | 586440   | 41.367 | ng    | 98       |
| 72) Anthracene                | 17.365 | 178  | 595310   | 42.231 | ng    | 98       |
| 73) Carbazole                 | 17.629 | 167  | 543876   | 41.324 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.205 | 149  | 638316   | 41.202 | ng    | 99       |
| 75) Fluoranthene              | 19.280 | 202  | 672893   | 39.371 | ng    | 99       |
| 77) Benzidine                 | 19.462 | 184  | 196853   | 52.965 | ng    | 96       |
| 78) Pyrene                    | 19.645 | 202  | 708955   | 40.975 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.549 | 149  | 266926   | 41.635 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.442 | 228  | 716446   | 41.670 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.366 | 252  | 150240   | 27.000 | ng    | 100      |
| 83) Chrysene                  | 21.507 | 228  | 691699   | 40.336 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.384 | 149  | 420121   | 45.182 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.529 | 149  | 703025   | 43.833 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.882 | 276  | 821866   | 42.356 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.534 | 252  | 699323   | 39.889 | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 23.593 | 252  | 696807   | 39.618 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.345 | 252  | 672920   | 43.098 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 27.947 | 278  | 684817   | 42.571 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.951 | 276  | 638368   | 38.651 | ng    | 97       |

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

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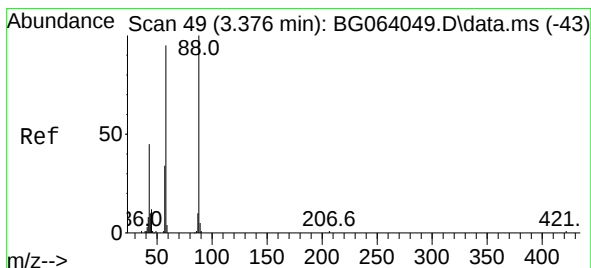
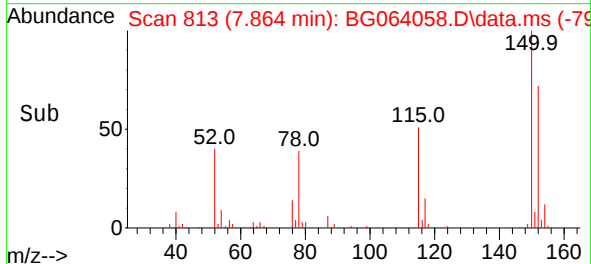
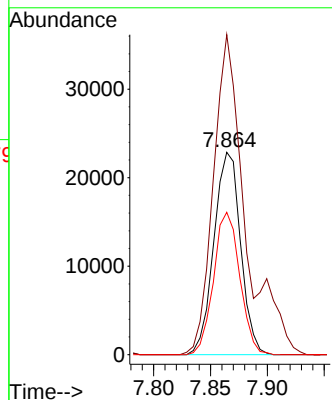
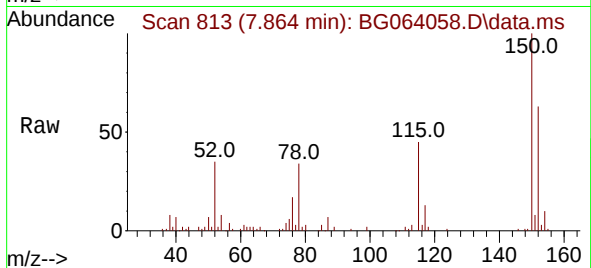




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.864 min Scan# 81  
 Delta R.T. -0.001 min  
 Lab File: BG064058.D  
 Acq: 7 Mar 2025 14:18

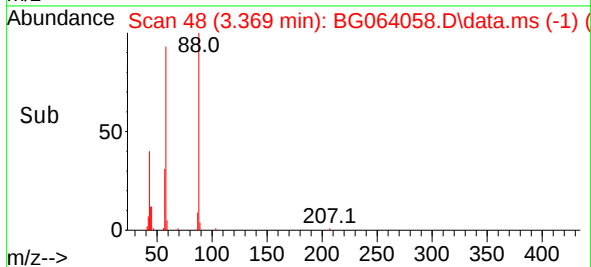
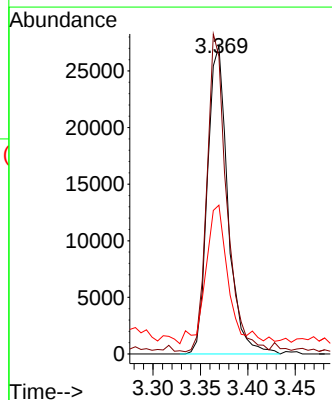
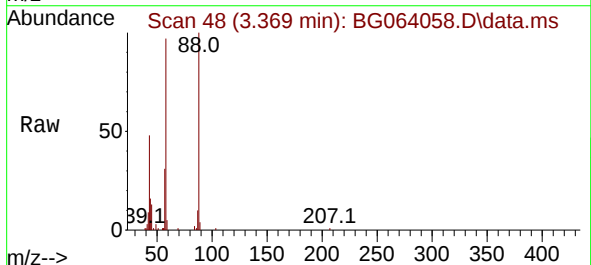
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB167031BS

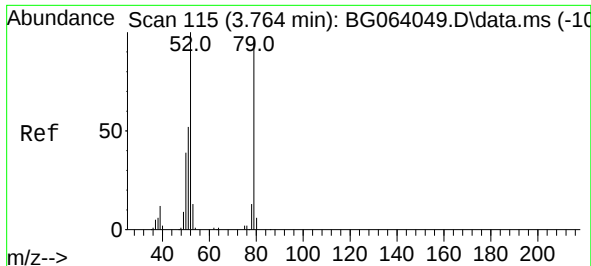
Tgt Ion:152 Resp: 37350  
 Ion Ratio Lower Upper  
 152 100  
 150 158.2 129.2 193.8  
 115 70.4 63.0 94.6



#2  
 1,4-Dioxane  
 Concen: 37.627 ng  
 RT: 3.369 min Scan# 48  
 Delta R.T. -0.006 min  
 Lab File: BG064058.D  
 Acq: 7 Mar 2025 14:18

Tgt Ion: 88 Resp: 40790  
 Ion Ratio Lower Upper  
 88 100  
 58 99.4 74.6 111.8  
 43 49.9 35.5 53.3

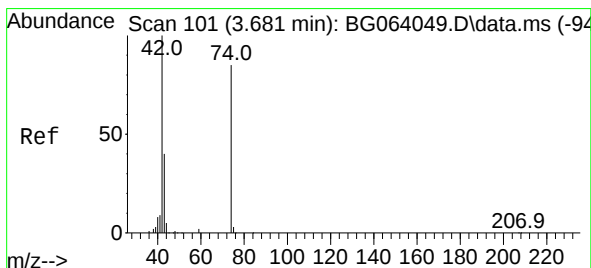
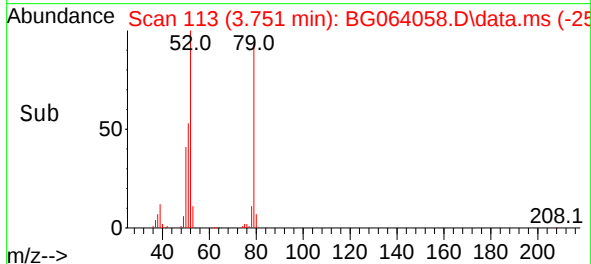
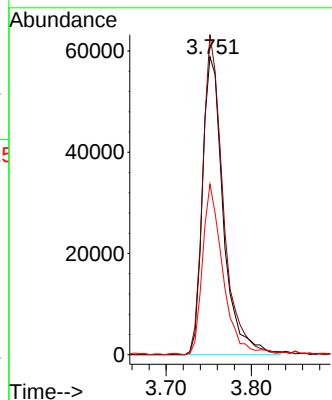
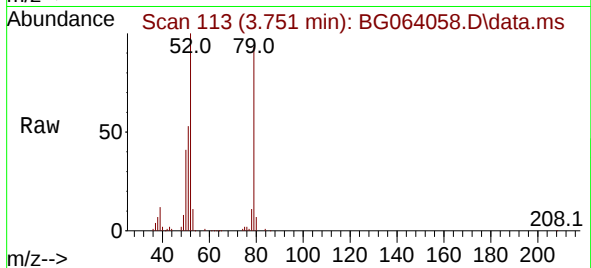




#3  
Pyridine  
Concen: 37.745 ng  
RT: 3.751 min Scan# 115  
Delta R.T. -0.012 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

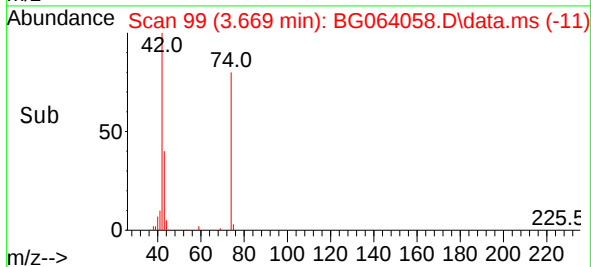
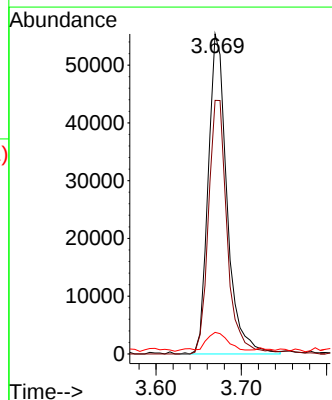
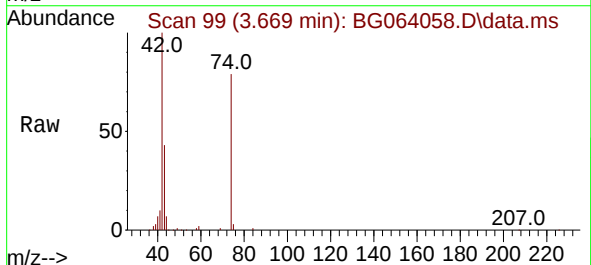
Instrument :  
BNA\_G  
ClientSampleId :  
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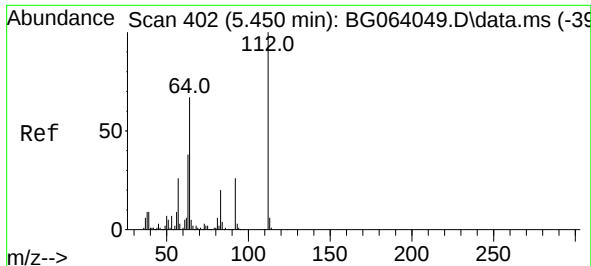
Tgt Ion: 79 Resp: 99512  
Ion Ratio Lower Upper  
79 100  
52 107.4 83.0 124.6  
51 57.2 44.3 66.5



#4  
n-Nitrosodimethylamine  
Concen: 44.890 ng  
RT: 3.669 min Scan# 99  
Delta R.T. -0.012 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion: 42 Resp: 84558  
Ion Ratio Lower Upper  
42 100  
74 79.2 68.0 102.0  
44 6.7 4.9 7.3

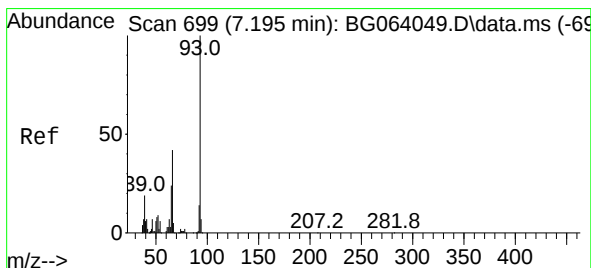
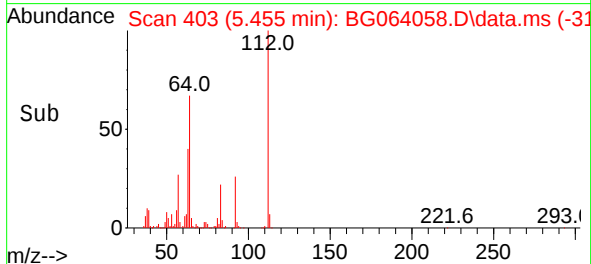
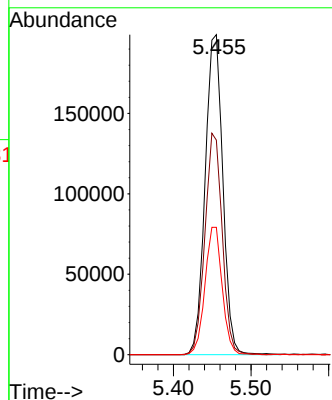
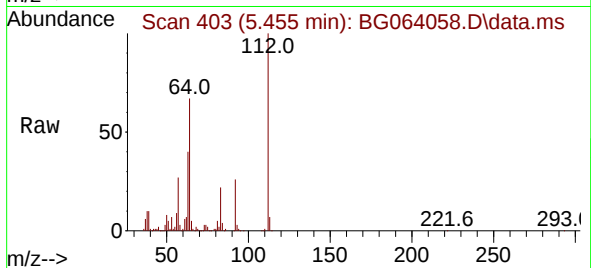




#5  
2-Fluorophenol  
Concen: 131.599 ng  
RT: 5.455 min Scan# 402  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

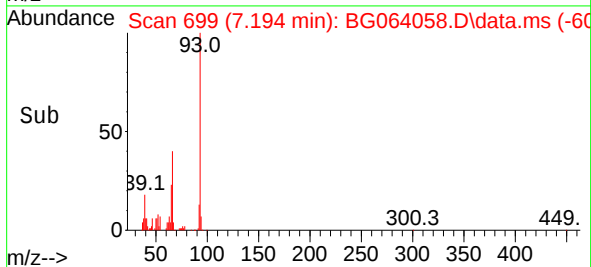
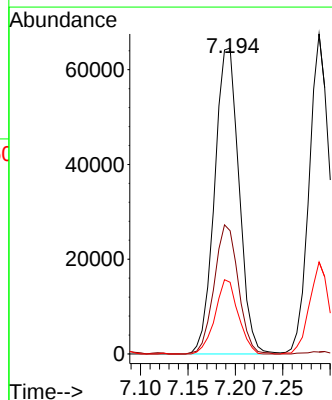
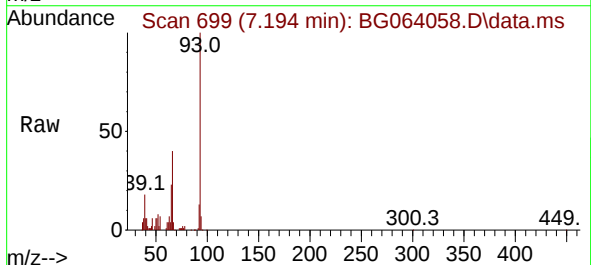
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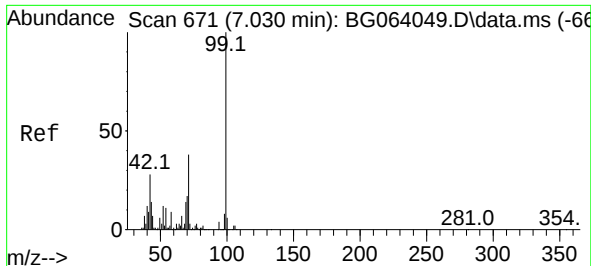
Tgt Ion:112 Resp: 314786  
Ion Ratio Lower Upper  
112 100  
64 67.1 53.7 80.5  
63 39.8 30.2 45.4



#6  
Aniline  
Concen: 36.271 ng  
RT: 7.194 min Scan# 699  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion: 93 Resp: 115817  
Ion Ratio Lower Upper  
93 100  
66 40.3 33.7 50.5  
65 23.4 19.1 28.7

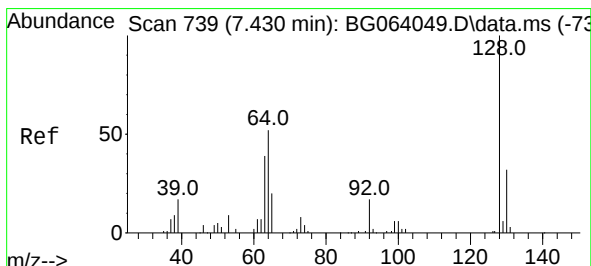
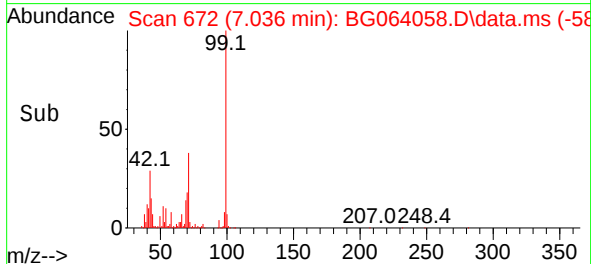
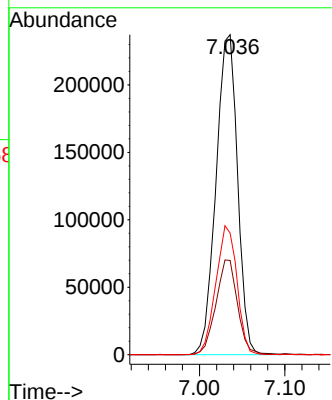
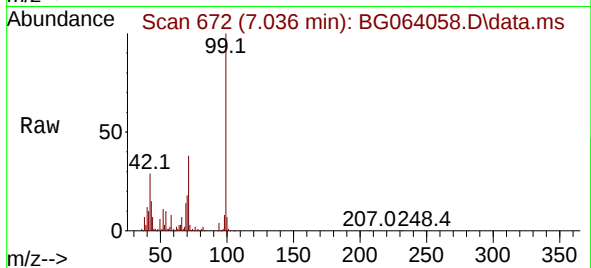




#7  
Phenol-d6  
Concen: 127.972 ng  
RT: 7.036 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

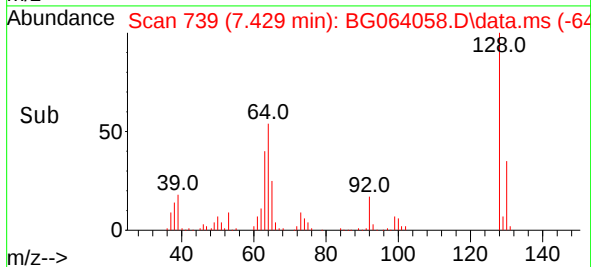
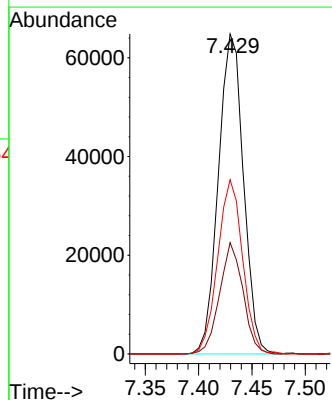
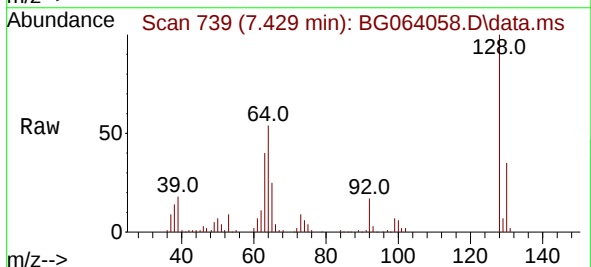
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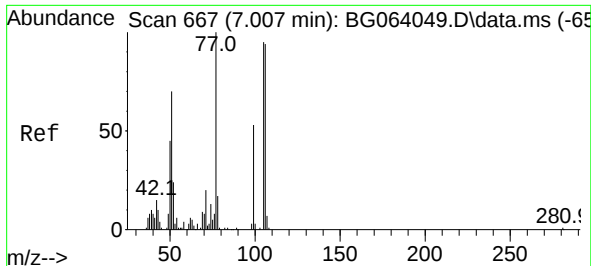
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Ion Ratio Lower Upper  
99 100  
42 29.5 22.7 34.1  
71 38.0 30.6 46.0



#8  
2-Chlorophenol  
Concen: 41.225 ng  
RT: 7.429 min Scan# 739  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion: 128 Resp: 105909  
Ion Ratio Lower Upper  
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130 34.8 12.3 52.3  
64 54.5 37.0 77.0

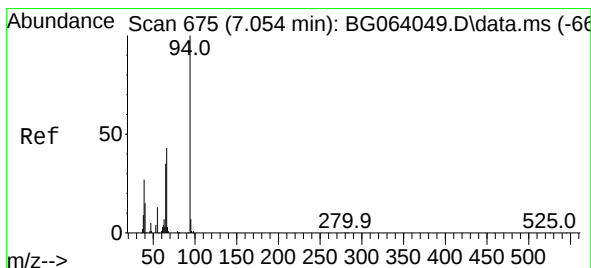
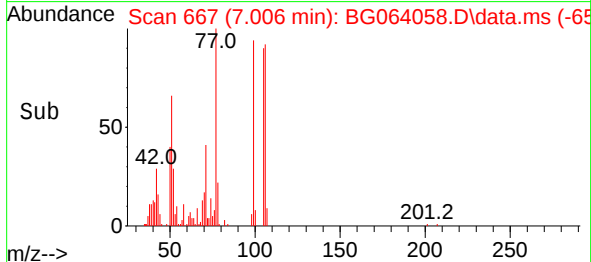
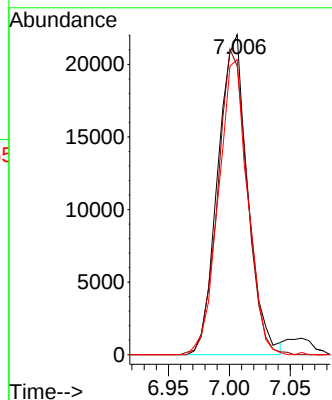
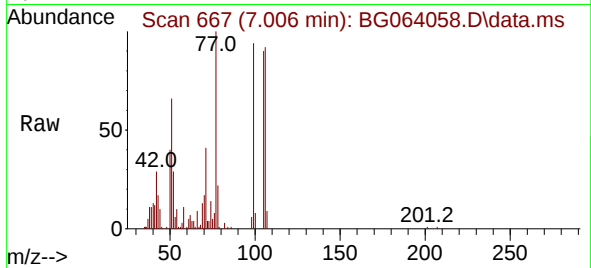




#9  
Benzaldehyde  
Concen: 19.807 ng  
RT: 7.006 min Scan# 667  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

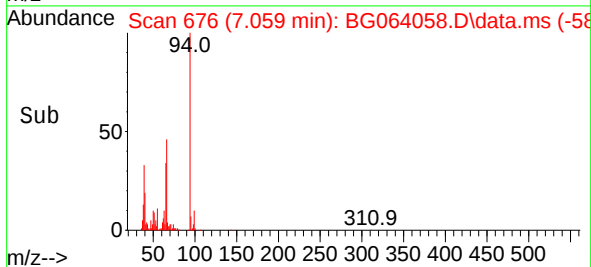
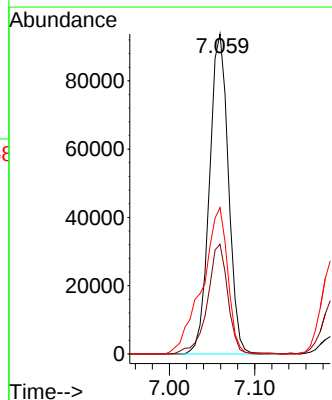
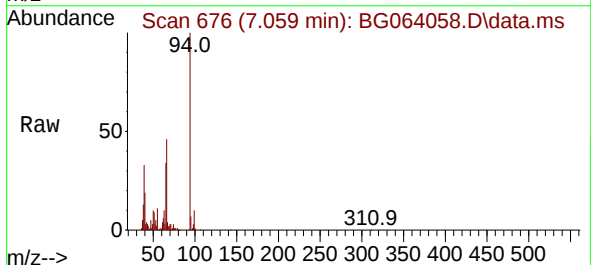
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

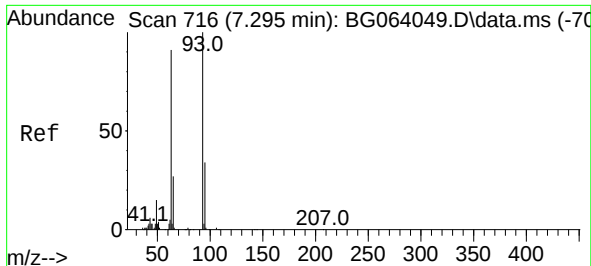
Tgt Ion: 77 Resp: 37486  
Ion Ratio Lower Upper  
77 100  
105 90.2 75.5 115.5  
106 92.2 74.2 114.2



#10  
Phenol  
Concen: 43.323 ng  
RT: 7.059 min Scan# 676  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion: 94 Resp: 144336  
Ion Ratio Lower Upper  
94 100  
65 34.3 15.2 55.2  
66 45.8 25.1 65.1

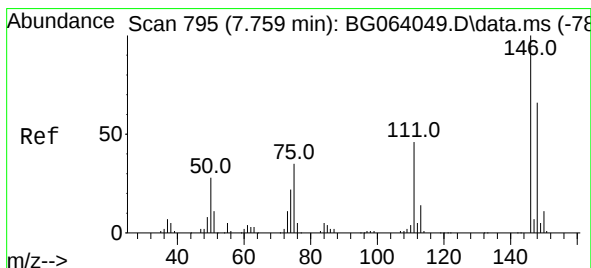
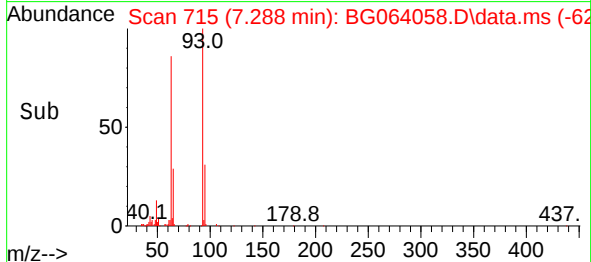
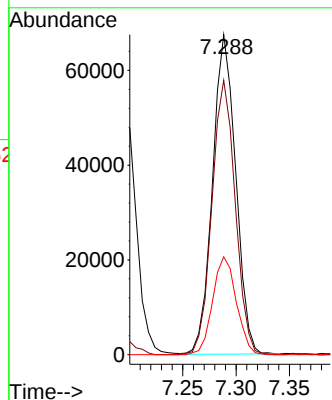
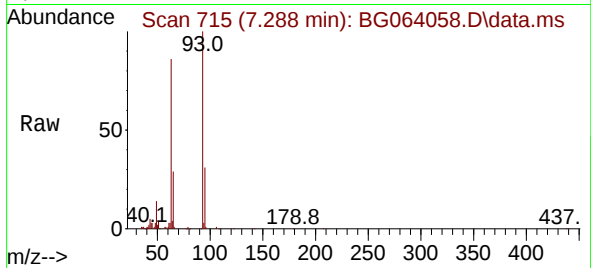




#11  
bis(2-Chloroethyl)ether  
Concen: 39.020 ng  
RT: 7.288 min Scan# 716  
Delta R.T. -0.006 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

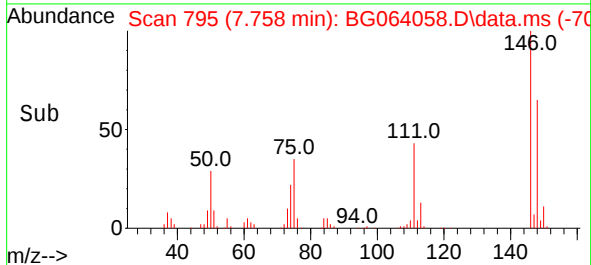
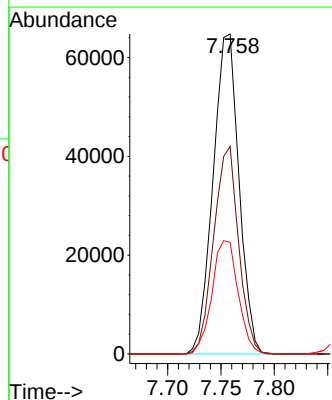
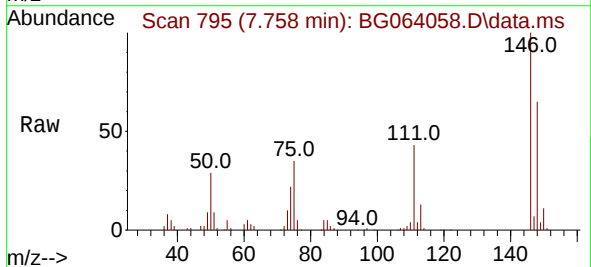
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

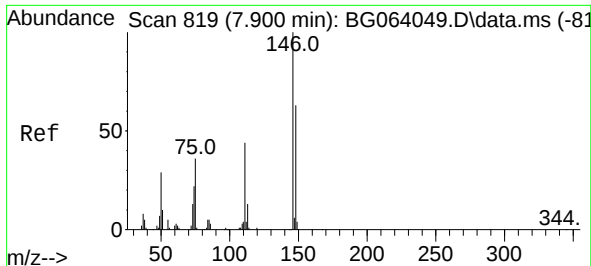
Tgt Ion: 93 Resp: 101920  
Ion Ratio Lower Upper  
93 100  
63 85.8 70.0 110.0  
95 30.6 13.7 53.7



#12  
1,3-Dichlorobenzene  
Concen: 38.738 ng  
RT: 7.758 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:146 Resp: 109287  
Ion Ratio Lower Upper  
146 100  
148 64.8 52.6 78.8  
75 34.9 28.1 42.1

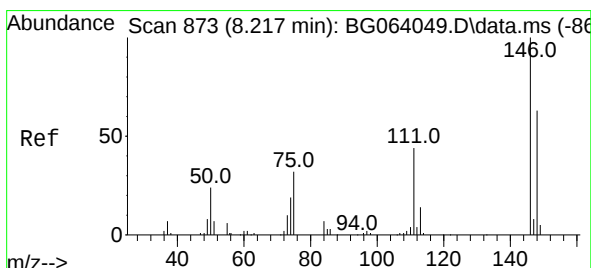
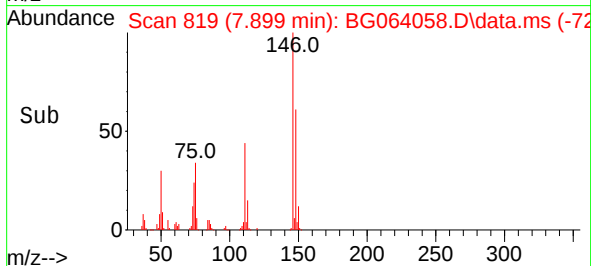
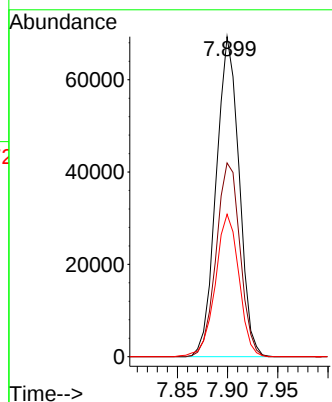
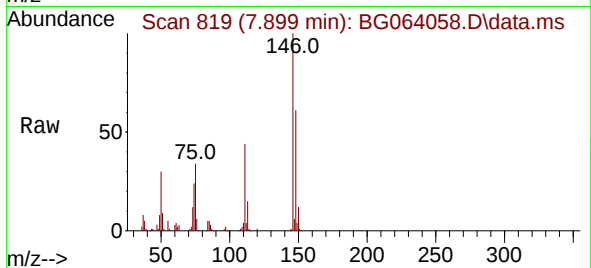




#13  
1,4-Dichlorobenzene  
Concen: 38.034 ng  
RT: 7.899 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

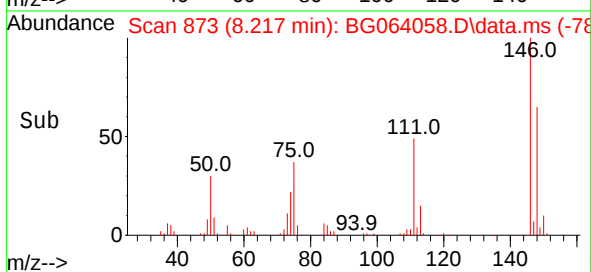
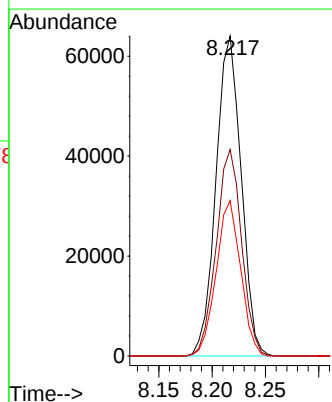
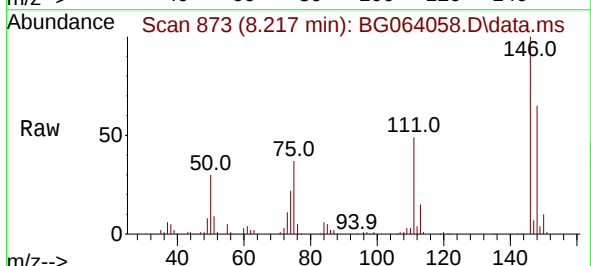
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

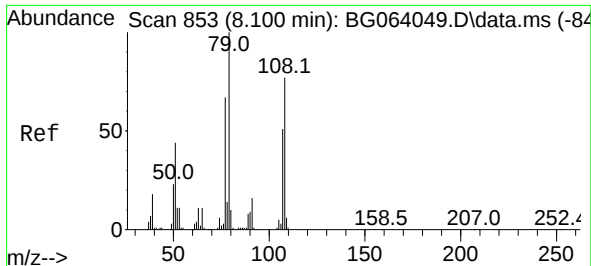
Tgt Ion:146 Resp: 109982  
Ion Ratio Lower Upper  
146 100  
148 60.5 50.6 75.8  
111 44.5 35.1 52.7



#14  
1,2-Dichlorobenzene  
Concen: 37.754 ng  
RT: 8.217 min Scan# 873  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:146 Resp: 105273  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.2 75.2  
111 48.6 36.4 54.6

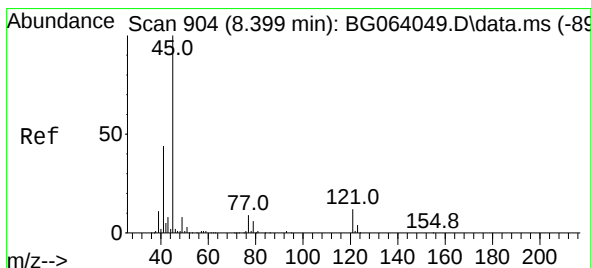
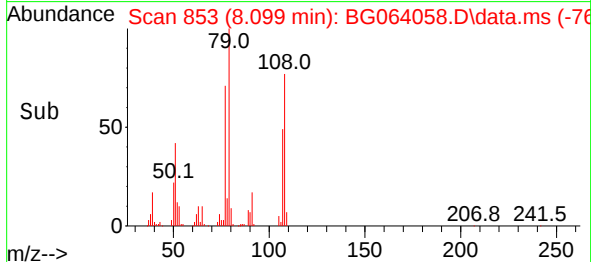
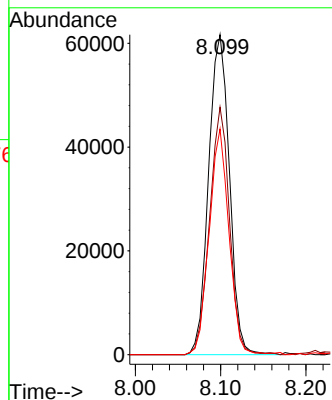
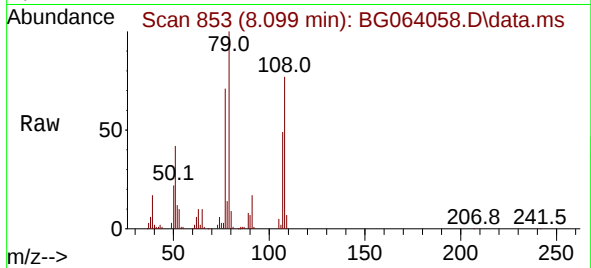




#15  
Benzyl Alcohol  
Concen: 41.567 ng  
RT: 8.099 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

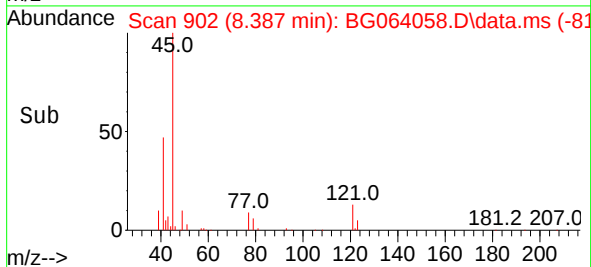
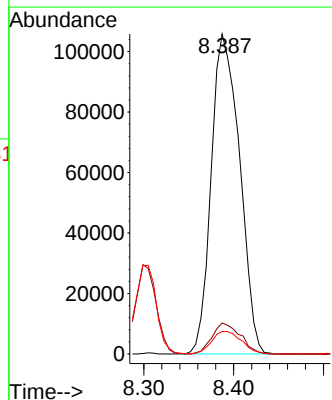
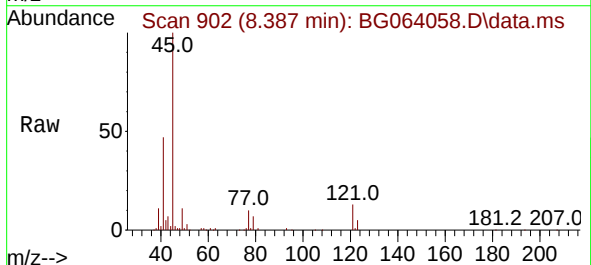
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

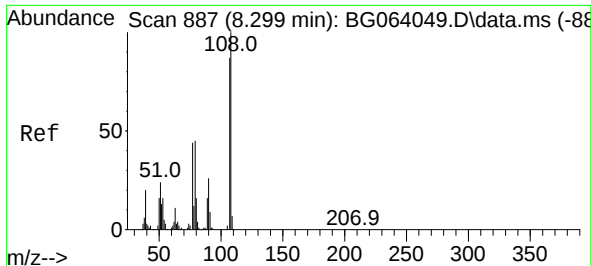
Tgt Ion: 79 Resp: 104525  
Ion Ratio Lower Upper  
79 100  
108 77.3 61.7 92.5  
77 70.6 53.9 80.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.486 ng  
RT: 8.387 min Scan# 902  
Delta R.T. -0.012 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion: 45 Resp: 231908  
Ion Ratio Lower Upper  
45 100  
77 9.7 0.0 29.0  
79 7.0 0.0 26.6

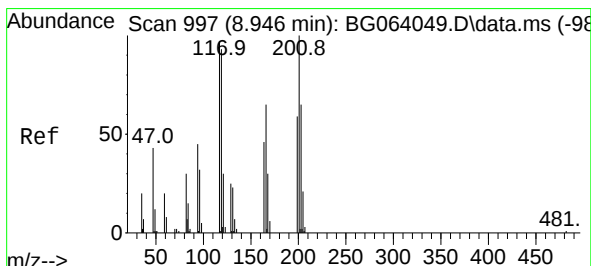
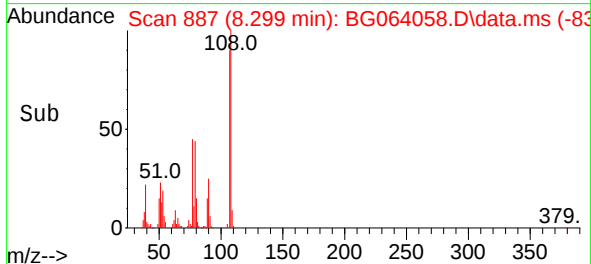
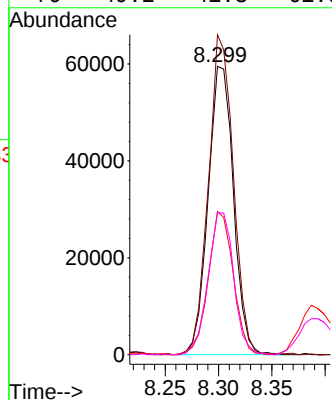
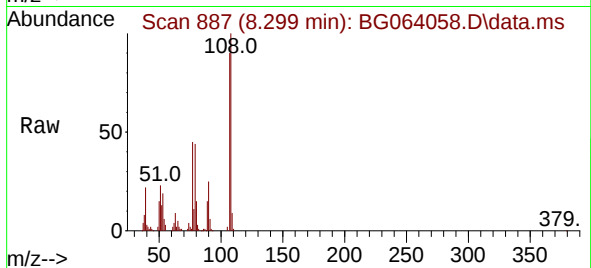




#17  
2-Methylphenol  
Concen: 44.424 ng  
RT: 8.299 min Scan# 887  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

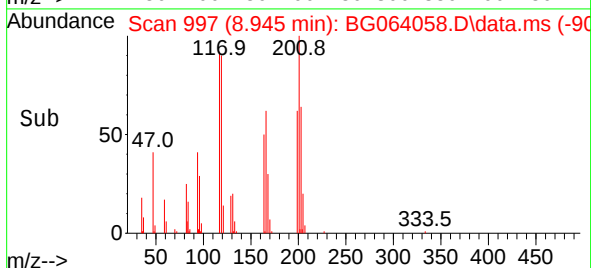
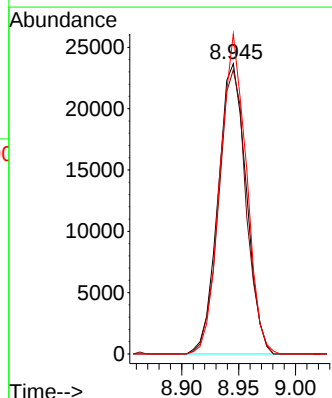
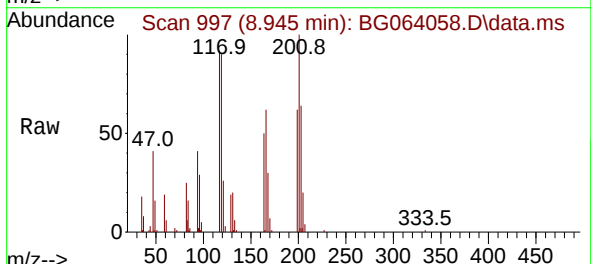
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

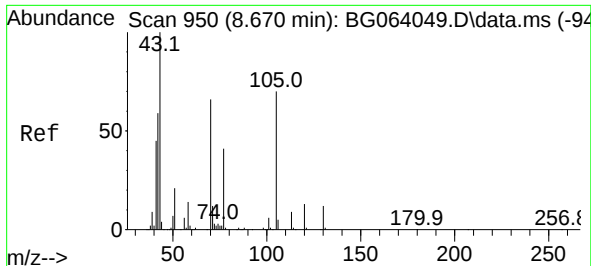
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 98229 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 111.0 | 92.5  | 138.7 |
| 77       | 49.7  | 40.5  | 60.7  |
| 79       | 49.2  | 41.3  | 61.9  |



#18  
Hexachloroethane  
Concen: 40.232 ng  
RT: 8.945 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 40703 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.9  | 76.2  | 114.2 |
| 201      | 110.2 | 81.5  | 122.3 |





#19

n-Nitroso-di-n-propylamine

Concen: 38.857 ng

RT: 8.669 min Scan# 950

Delta R.T. -0.000 min

Lab File: BG064058.D

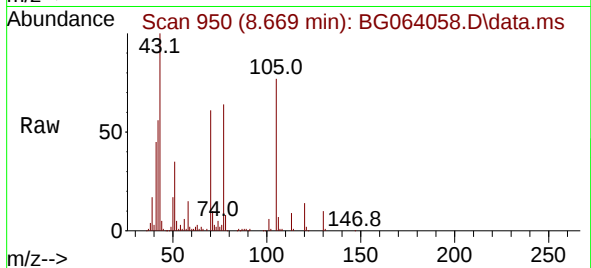
Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS



Tgt Ion: 70 Resp: 88738

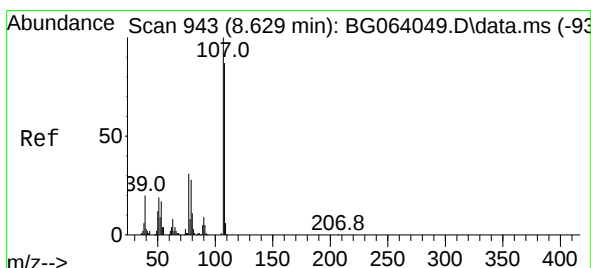
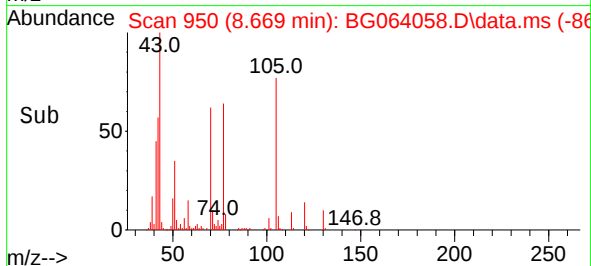
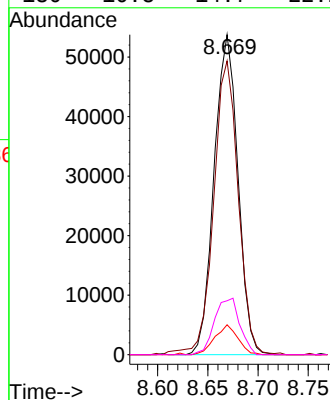
Ion Ratio Lower Upper

70 100

42 91.8 72.1 108.1

101 9.3 7.2 10.8

130 16.8 14.7 22.1



#20

3+4-Methylphenols

Concen: 43.685 ng

RT: 8.628 min Scan# 943

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Tgt Ion:107 Resp: 132984

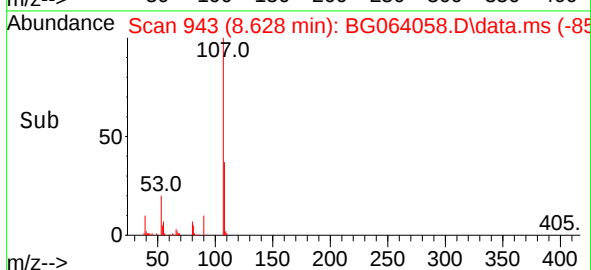
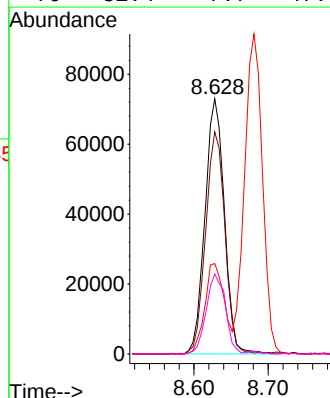
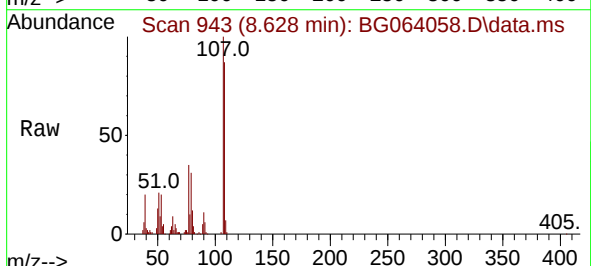
Ion Ratio Lower Upper

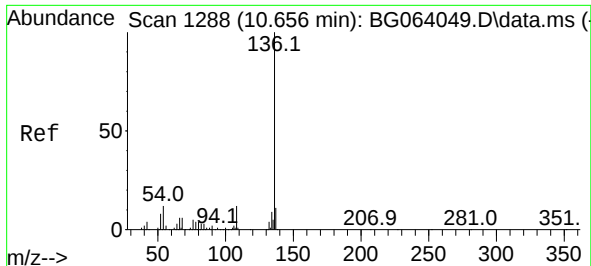
107 100

108 87.0 67.0 107.0

77 35.4 11.2 51.2

79 31.4 7.7 47.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.655 min Scan# 1288  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

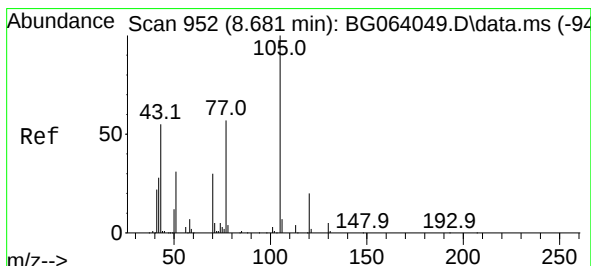
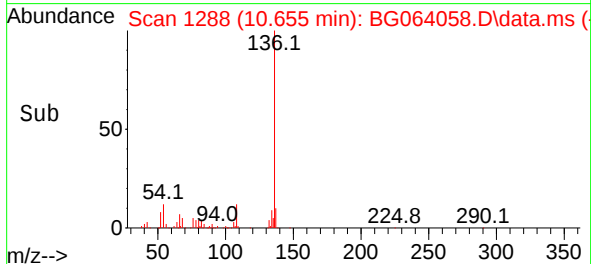
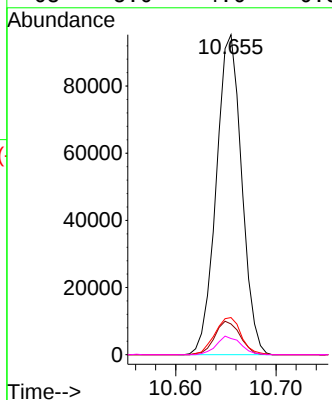
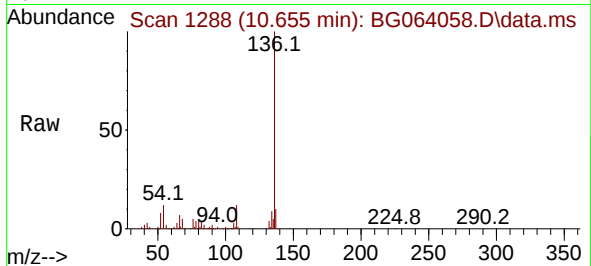
Instrument :

BNA\_G

ClientSampleId :

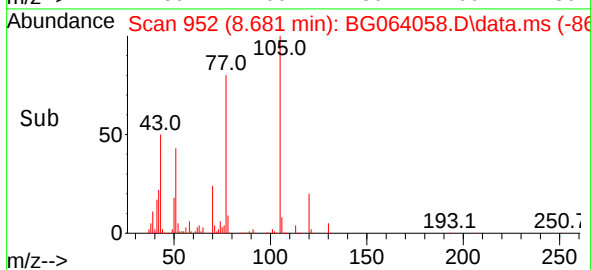
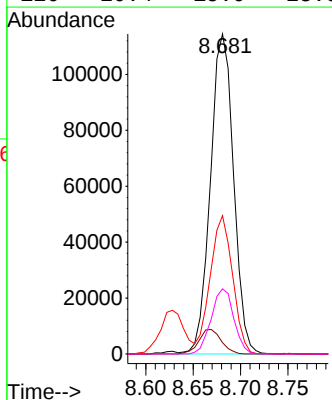
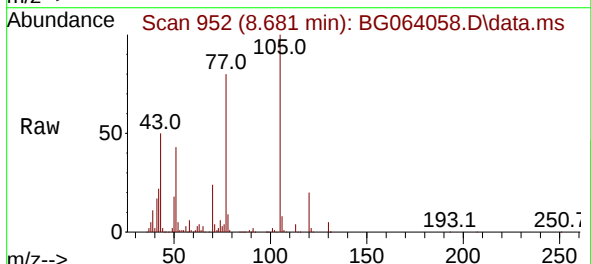
PB167031BS

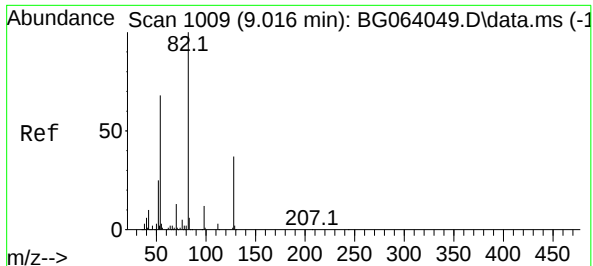
Tgt Ion:136 Resp: 167596  
Ion Ratio Lower Upper  
136 100  
137 9.6 8.5 12.7  
54 11.6 9.9 14.9  
68 5.0 4.6 6.8



#22  
Acetophenone  
Concen: 42.313 ng  
RT: 8.681 min Scan# 952  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:105 Resp: 194433  
Ion Ratio Lower Upper  
105 100  
71 3.6 4.2 6.4#  
51 43.2 33.3 49.9  
120 20.4 15.9 23.9





#23

Nitrobenzene-d5

Concen: 87.181 ng

RT: 9.016 min Scan# 1009

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

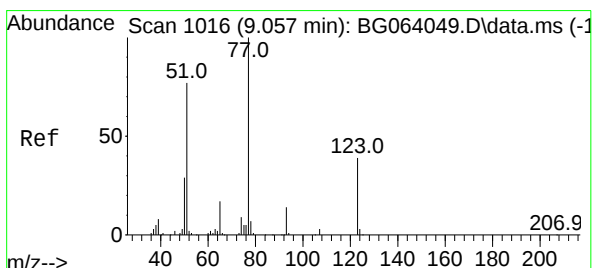
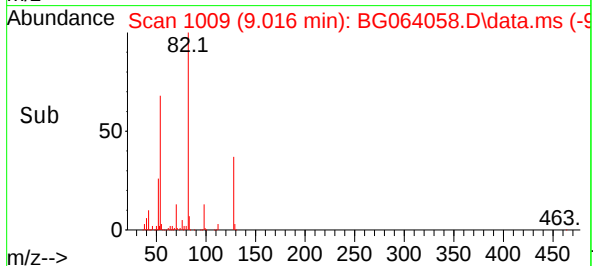
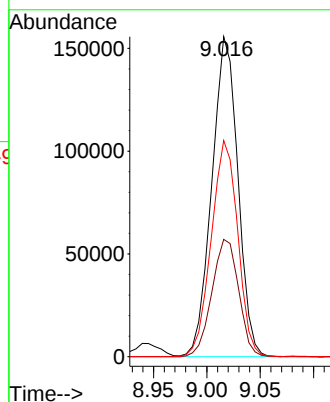
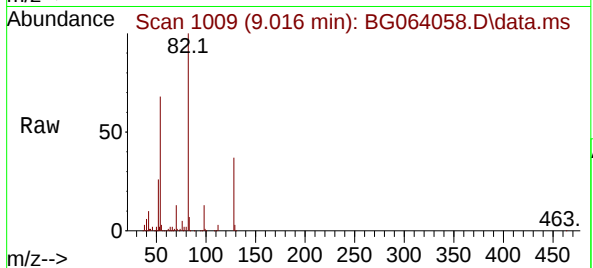
Tgt Ion: 82 Resp: 264399

Ion Ratio Lower Upper

82 100

128 36.6 30.0 45.0

54 67.5 54.7 82.1



#24

Nitrobenzene

Concen: 40.890 ng

RT: 9.057 min Scan# 1016

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

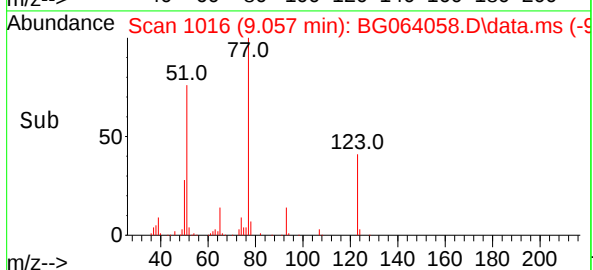
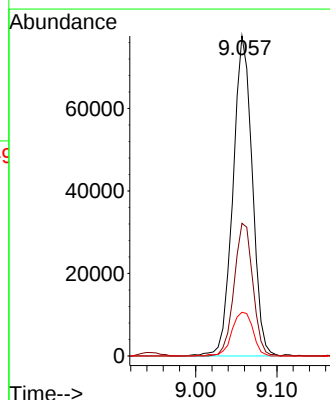
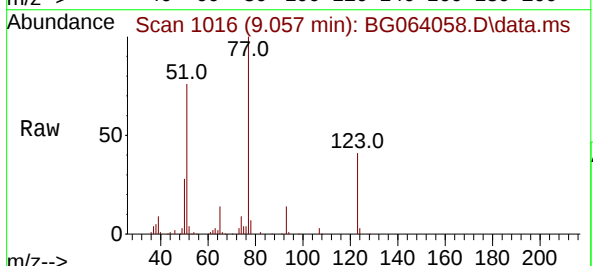
Tgt Ion: 77 Resp: 128158

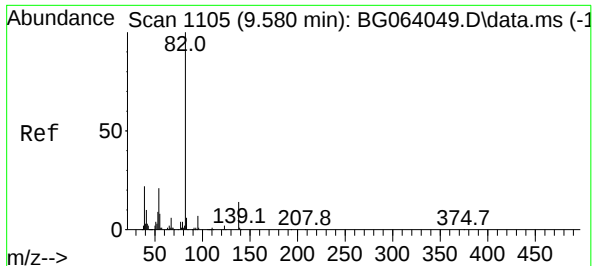
Ion Ratio Lower Upper

77 100

123 41.5 31.4 47.2

65 13.6 13.4 20.0





#25

Isophorone

Concen: 40.843 ng

RT: 9.580 min Scan# 1105

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

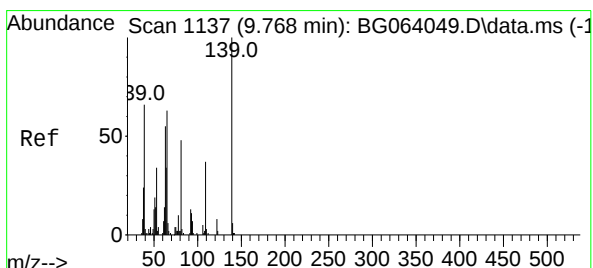
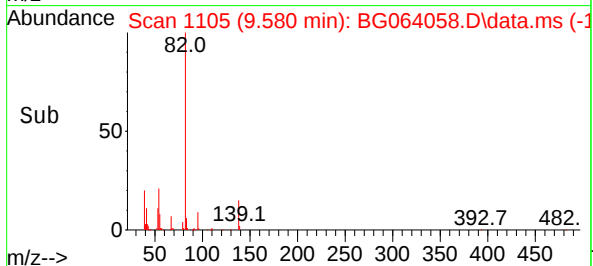
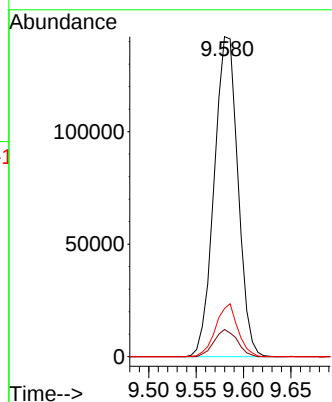
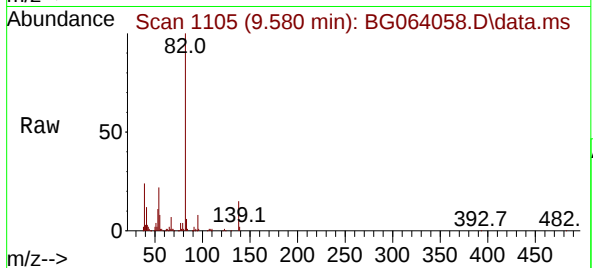
Tgt Ion: 82 Resp: 247923

Ion Ratio Lower Upper

82 100

95 8.5 5.8 8.8

138 15.1 10.9 16.3



#26

2-Nitrophenol

Concen: 40.610 ng

RT: 9.768 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

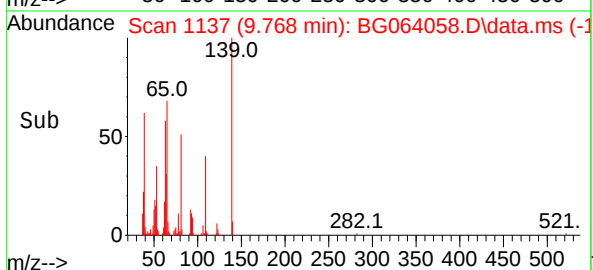
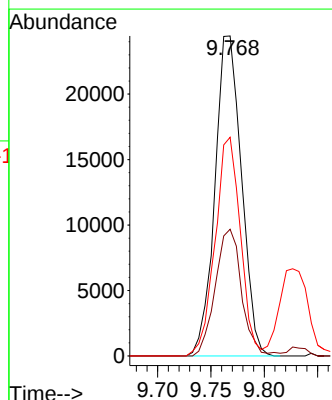
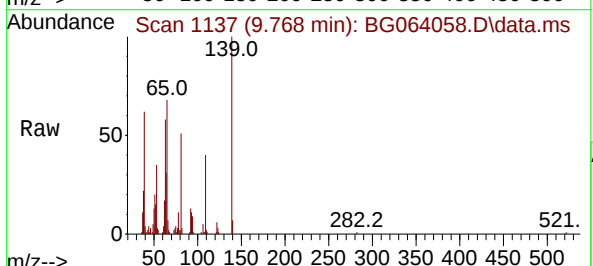
Tgt Ion:139 Resp: 42284

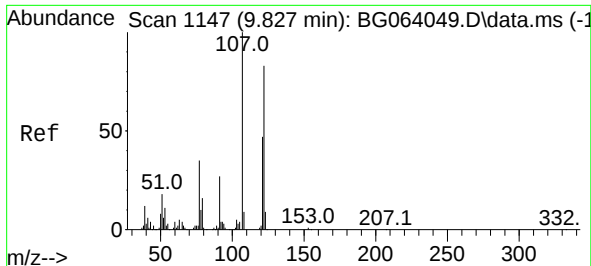
Ion Ratio Lower Upper

139 100

109 39.6 29.9 44.9

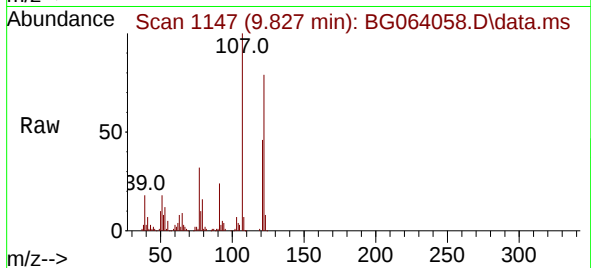
65 68.3 50.6 76.0



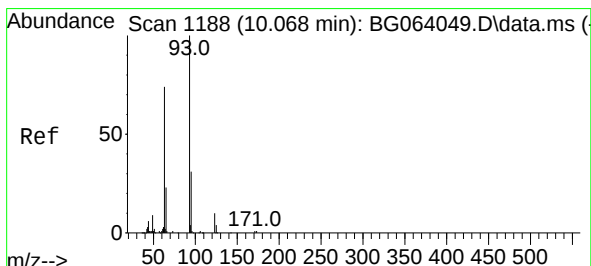
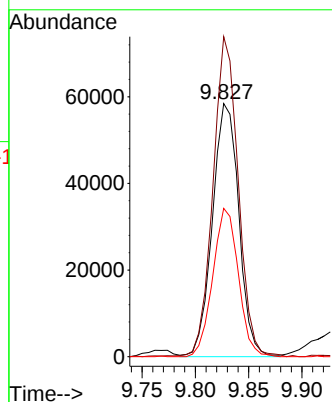
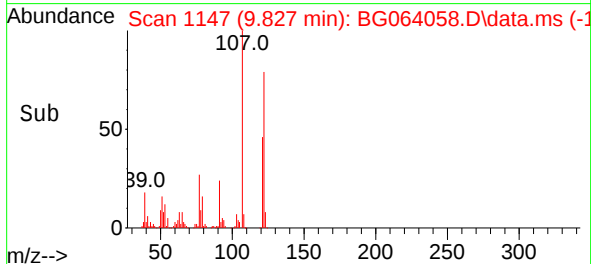


#27  
2,4-Dimethylphenol  
Concen: 55.290 ng  
RT: 9.827 min Scan# 1147  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

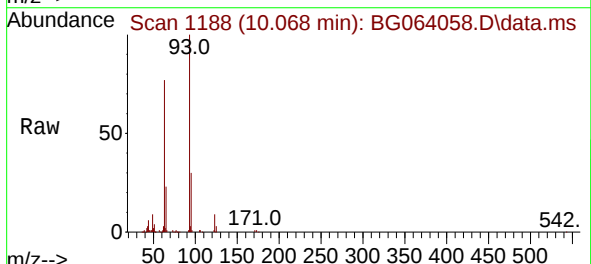
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS



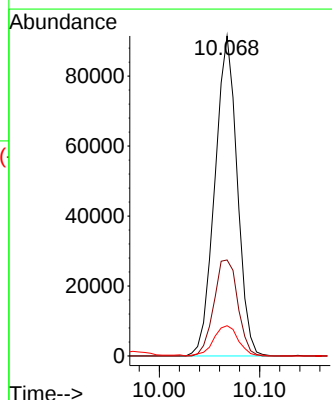
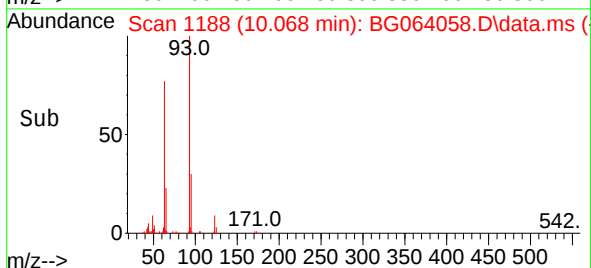
Tgt Ion:122 Resp: 100614  
Ion Ratio Lower Upper  
122 100  
107 126.4 95.4 143.0  
121 58.6 44.9 67.3

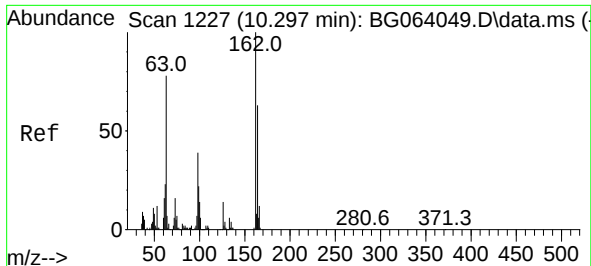


#28  
bis(2-Chloroethoxy)methane  
Concen: 38.409 ng  
RT: 10.068 min Scan# 1188  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18



Tgt Ion: 93 Resp: 141355  
Ion Ratio Lower Upper  
93 100  
95 30.0 25.0 37.4  
123 9.4 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 43.177 ng

RT: 10.297 min Scan# 1227

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

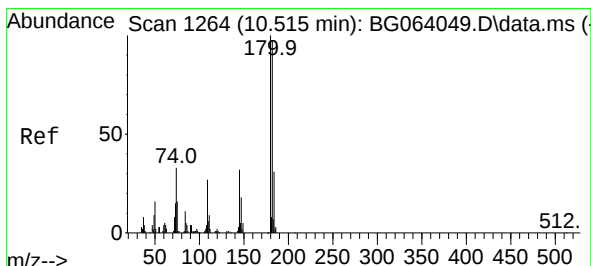
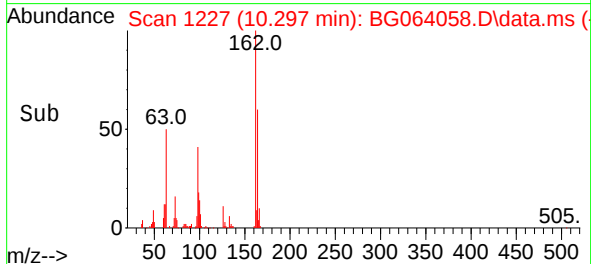
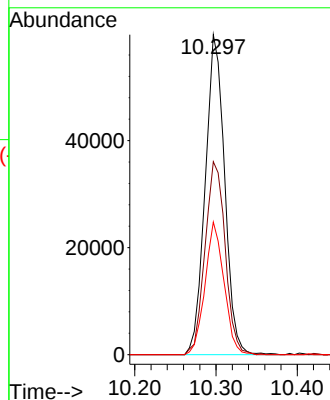
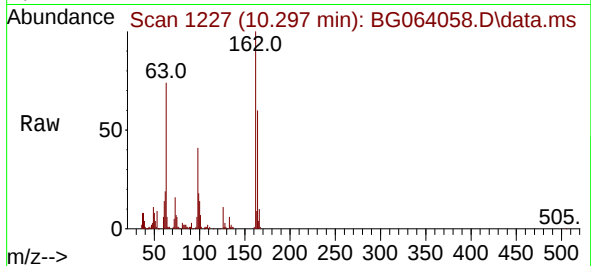
Tgt Ion:162 Resp: 99214

Ion Ratio Lower Upper

162 100

164 60.3 42.8 82.8

98 41.5 19.1 59.1



#30

1,2,4-Trichlorobenzene

Concen: 38.954 ng

RT: 10.520 min Scan# 1265

Delta R.T. 0.005 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

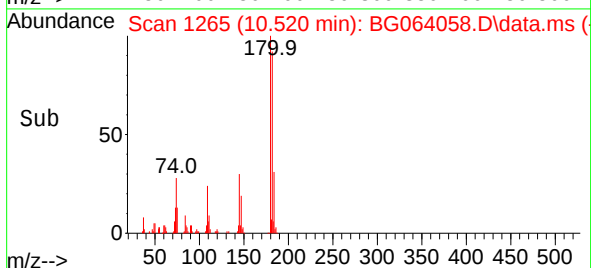
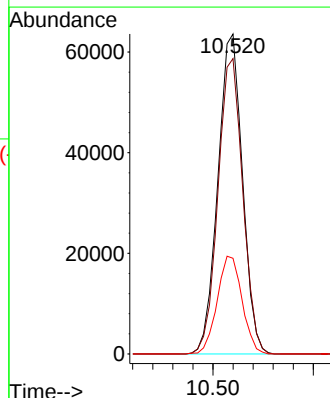
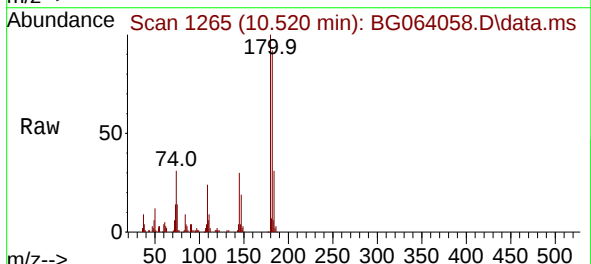
Tgt Ion:180 Resp: 108054

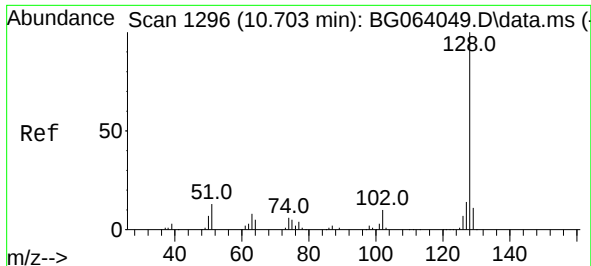
Ion Ratio Lower Upper

180 100

182 92.3 77.3 115.9

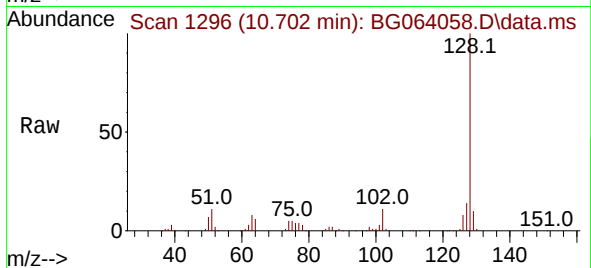
145 29.9 25.2 37.8



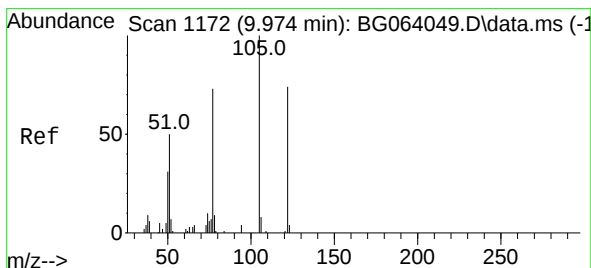
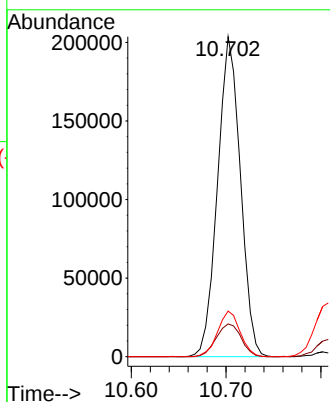
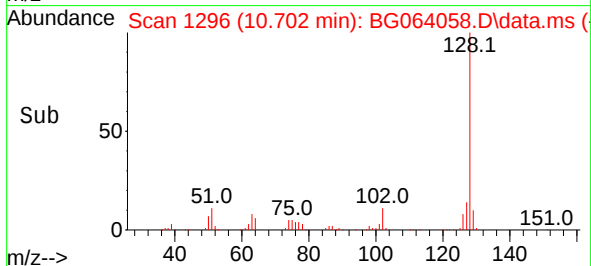


#31  
Naphthalene  
Concen: 37.721 ng  
RT: 10.702 min Scan# 1296  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

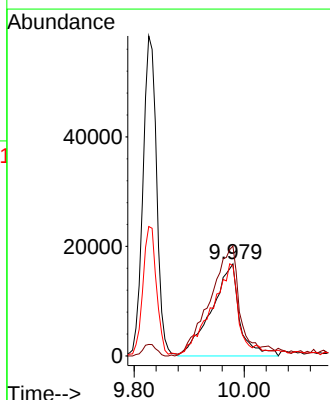
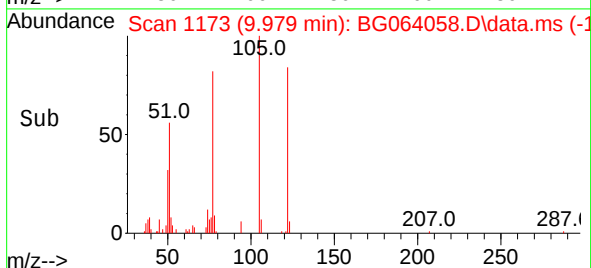
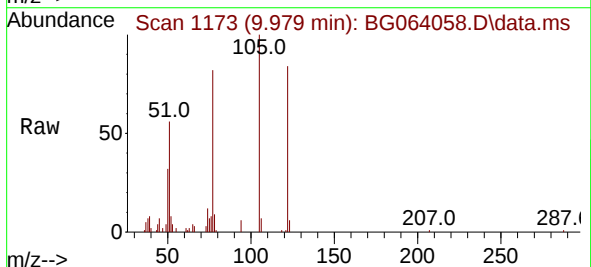


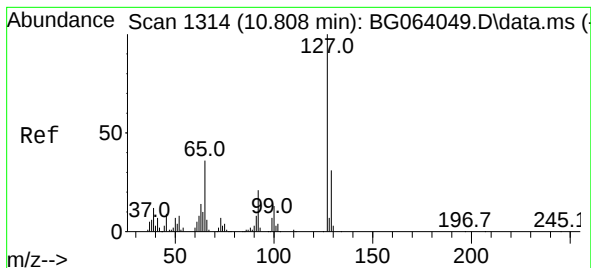
Tgt Ion:128 Resp: 340891  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.4 12.6  
127 14.3 11.1 16.7



#32  
Benzoic acid  
Concen: 37.870 ng  
RT: 9.979 min Scan# 1173  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:122 Resp: 59540  
Ion Ratio Lower Upper  
122 100  
105 119.4 115.0 155.0  
77 98.3 80.9 120.9

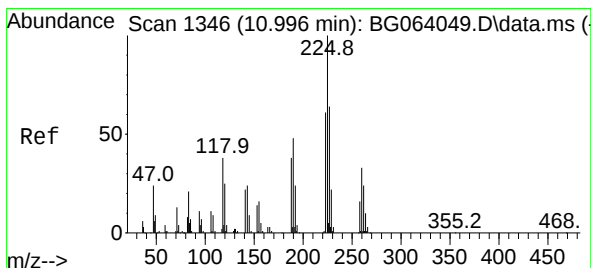
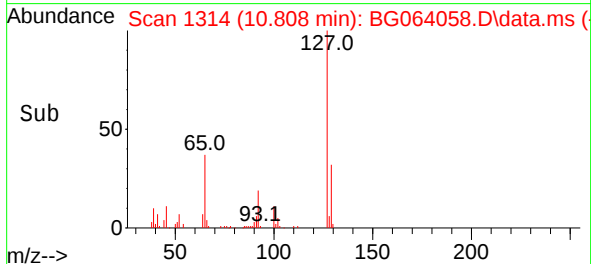
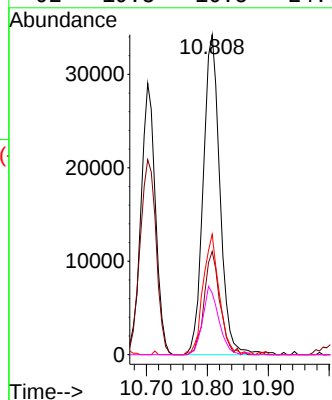
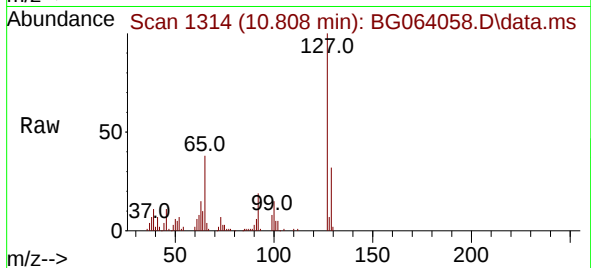




#33  
4-Chloroaniline  
Concen: 19.784 ng  
RT: 10.808 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

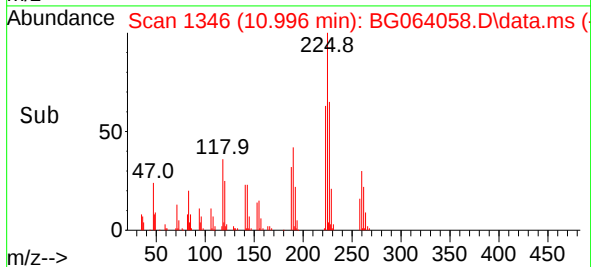
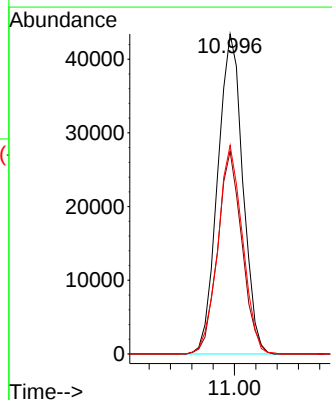
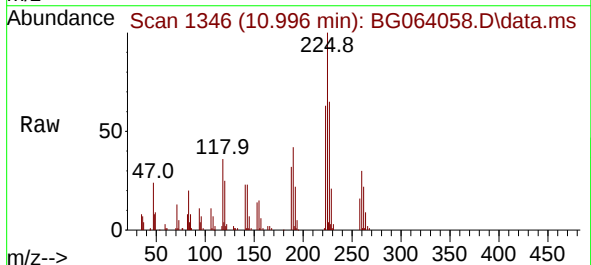
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

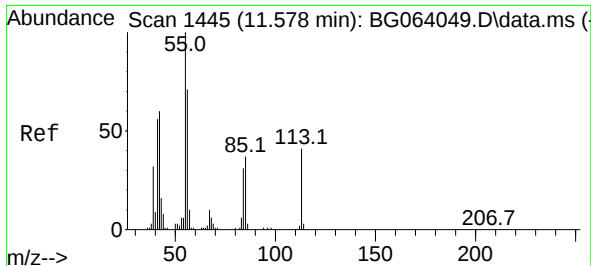
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 65346 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.2  | 25.0  | 37.4  |
| 65        | 37.6  | 28.5  | 42.7  |
| 92        | 19.3  | 16.5  | 24.7  |



#34  
Hexachlorobutadiene  
Concen: 38.996 ng  
RT: 10.996 min Scan# 1346  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 70901 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.3  | 48.5  | 72.7  |
| 227       | 65.2  | 51.0  | 76.6  |





#35

Caprolactam

Concen: 22.460 ng

RT: 11.578 min Scan# 1445

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

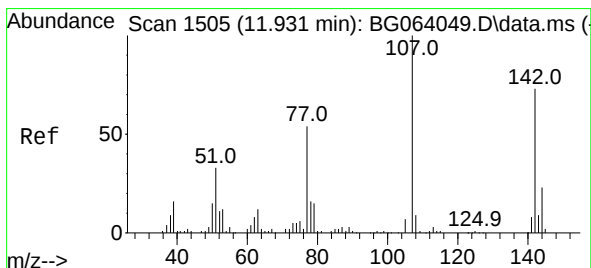
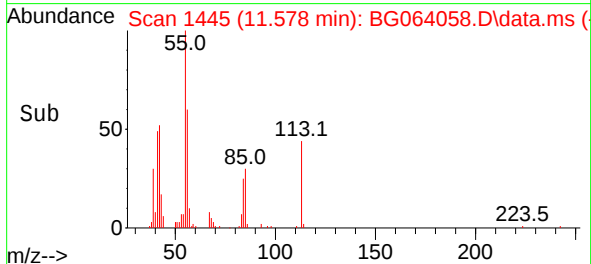
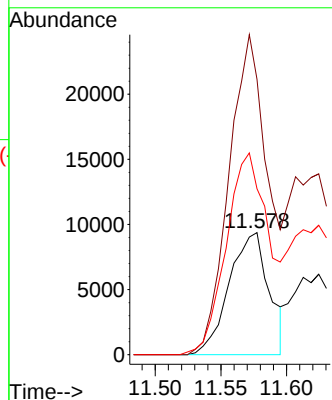
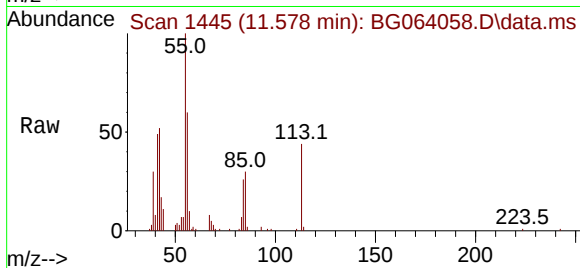
Tgt Ion:113 Resp: 19777

Ion Ratio Lower Upper

113 100

55 225.6 225.2 265.2

56 136.0 153.4 193.4#



#36

4-Chloro-3-methylphenol

Concen: 41.457 ng

RT: 11.930 min Scan# 1505

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

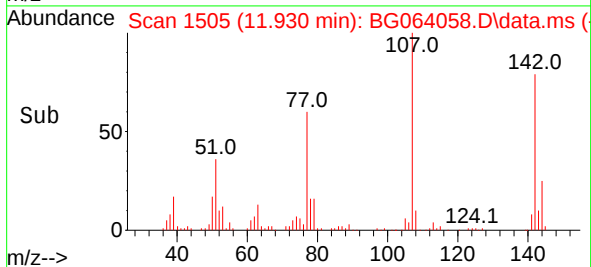
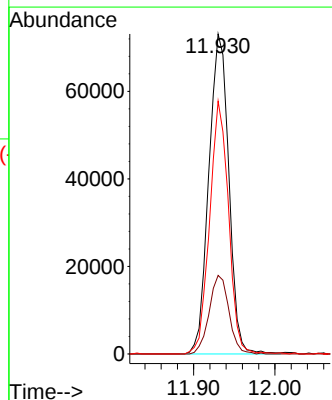
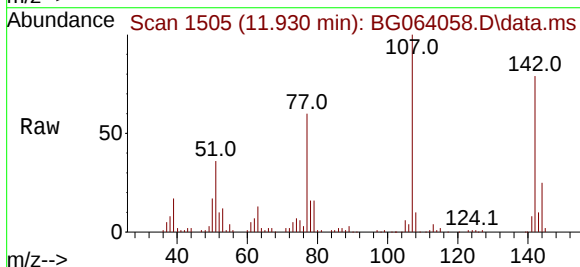
Tgt Ion:107 Resp: 124870

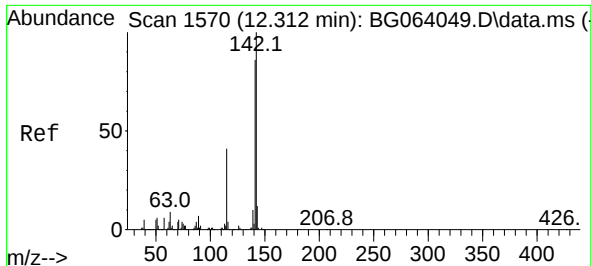
Ion Ratio Lower Upper

107 100

144 24.5 18.6 28.0

142 79.0 58.0 87.0

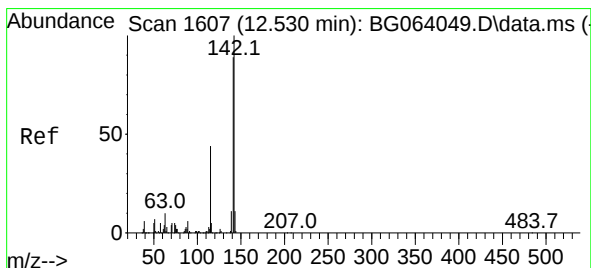
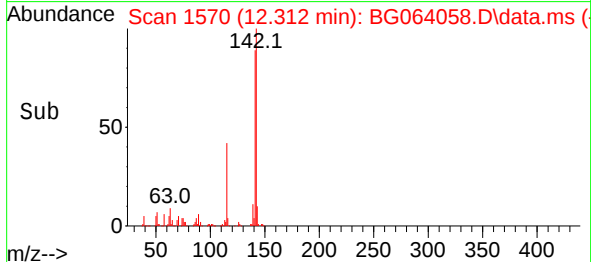
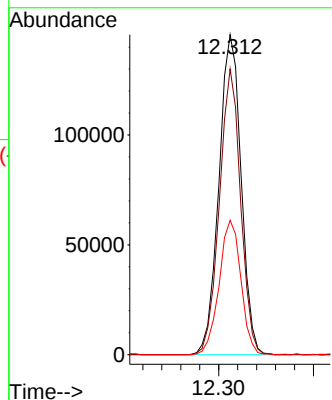
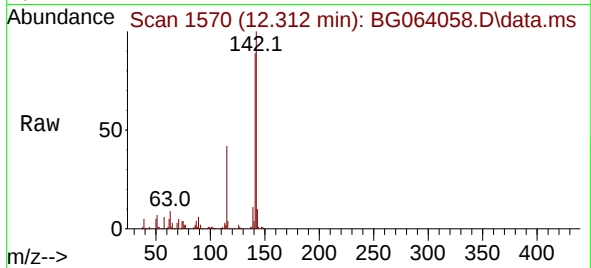




#37  
2-Methylnaphthalene  
Concen: 37.118 ng  
RT: 12.312 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

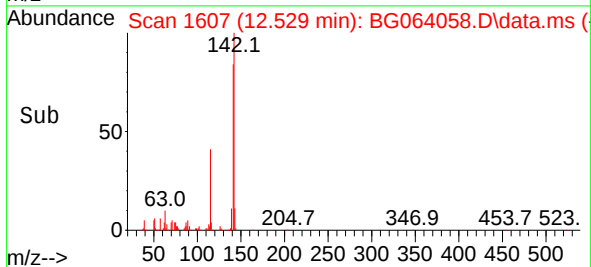
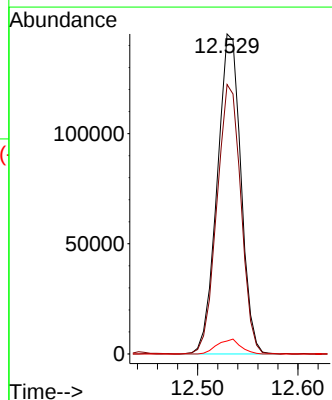
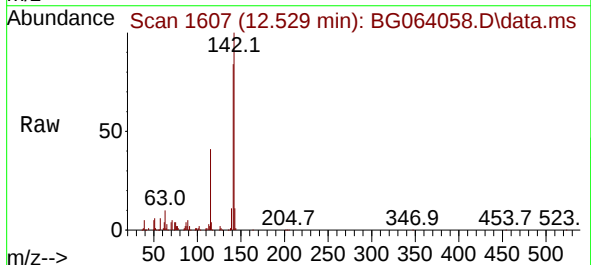
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

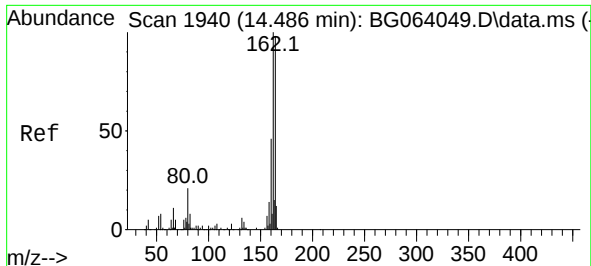
Tgt Ion:142 Resp: 236809  
Ion Ratio Lower Upper  
142 100  
141 89.3 68.6 103.0  
115 42.0 32.8 49.2



#38  
1-Methylnaphthalene  
Concen: 38.041 ng  
RT: 12.529 min Scan# 1607  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:142 Resp: 237776  
Ion Ratio Lower Upper  
142 100  
141 84.2 71.2 106.8  
116 4.0 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.492 min Scan# 1941

Delta R.T. 0.006 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

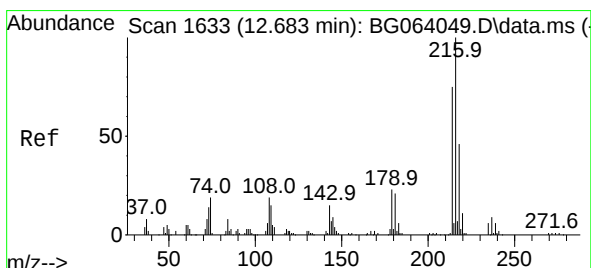
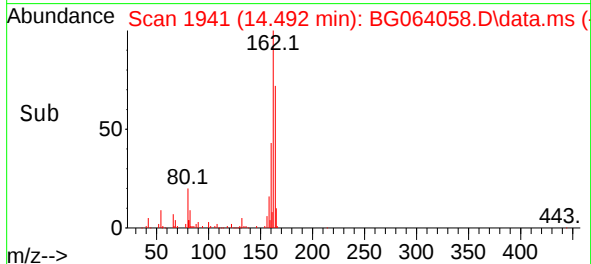
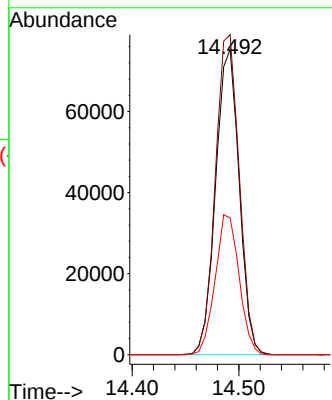
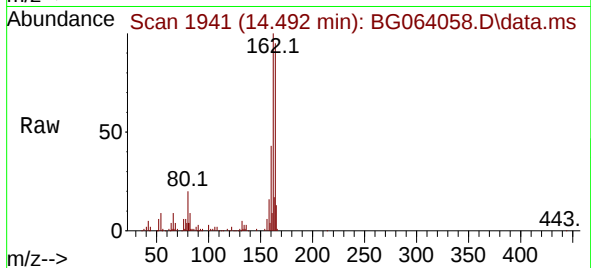
Tgt Ion:164 Resp: 115306

Ion Ratio Lower Upper

164 100

162 104.8 81.4 122.0

160 44.8 37.0 55.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.370 ng

RT: 12.682 min Scan# 1633

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Tgt Ion:216 Resp: 142769

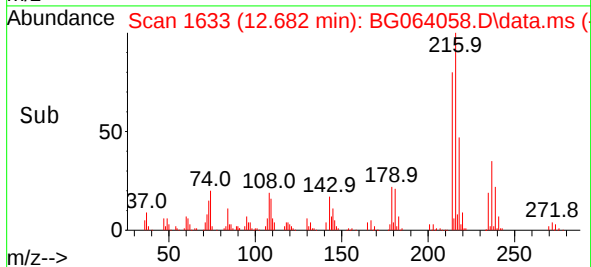
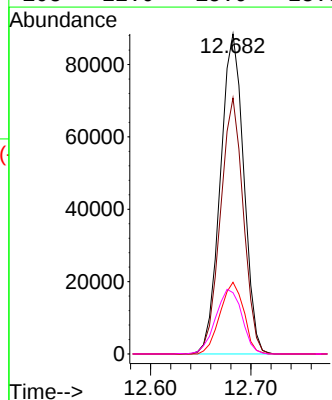
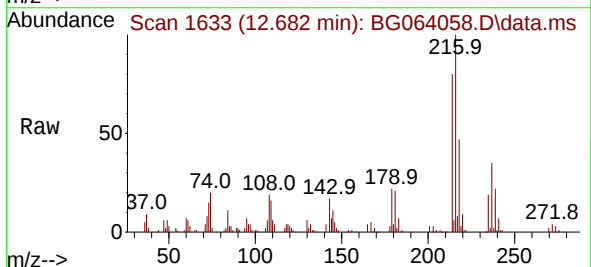
Ion Ratio Lower Upper

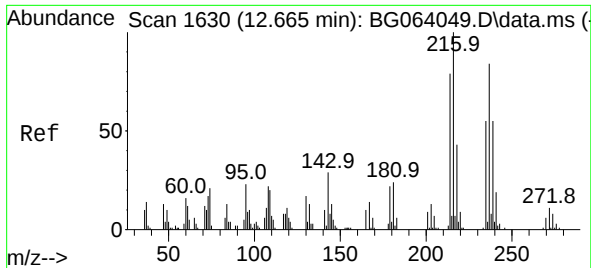
216 100

214 78.2 61.7 92.5

179 22.7 17.9 26.9

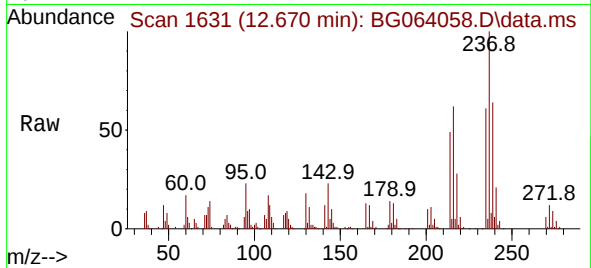
108 22.9 15.9 23.9



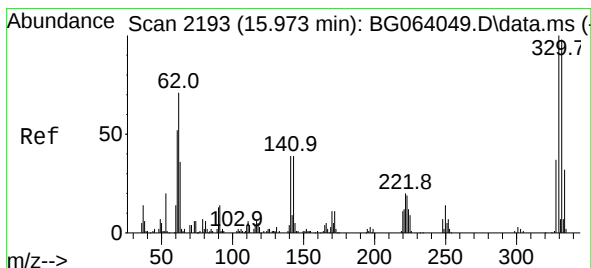
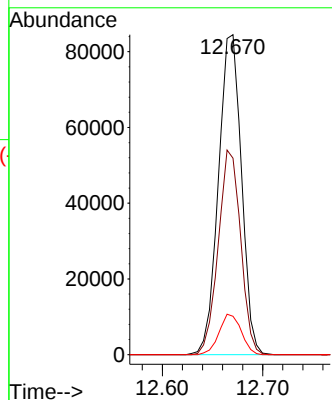
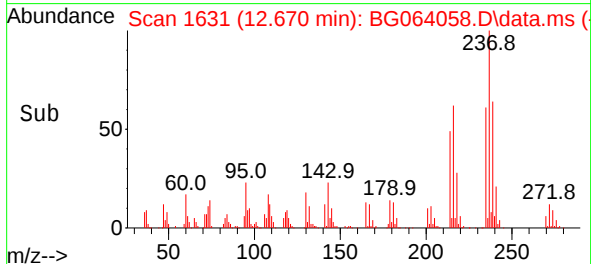


#41  
Hexachlorocyclopentadiene  
Concen: 145.029 ng  
RT: 12.670 min Scan# 1631  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

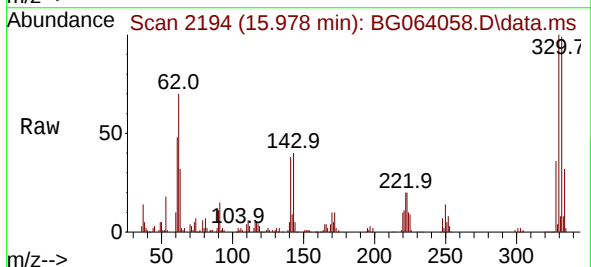
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS



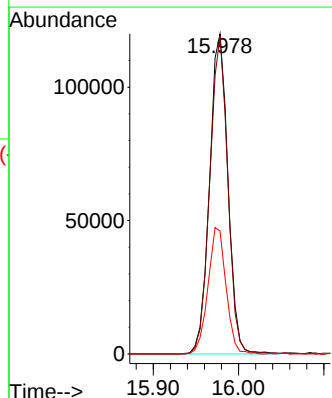
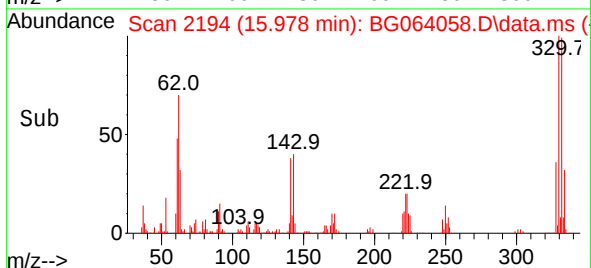
Tgt Ion:237 Resp: 134371  
Ion Ratio Lower Upper  
237 100  
235 61.4 46.0 86.0  
272 12.0 0.0 32.8

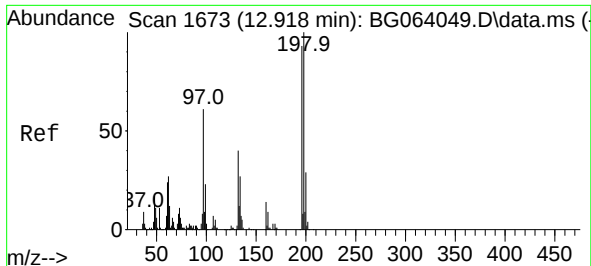


#42  
2,4,6-Tribromophenol  
Concen: 140.353 ng  
RT: 15.978 min Scan# 2194  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18



Tgt Ion:330 Resp: 179892  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.7 115.1  
141 38.8 29.7 44.5





#43

2,4,6-Trichlorophenol

Concen: 44.657 ng

RT: 12.917 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

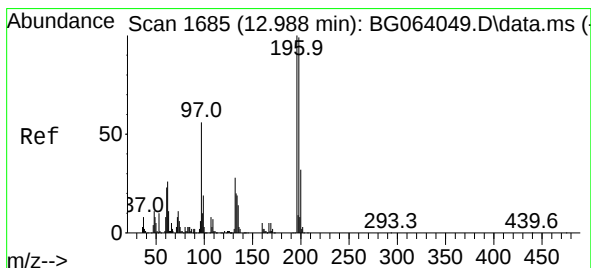
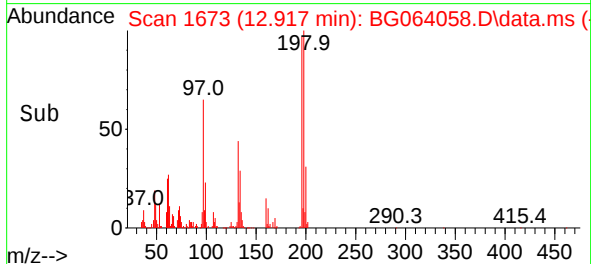
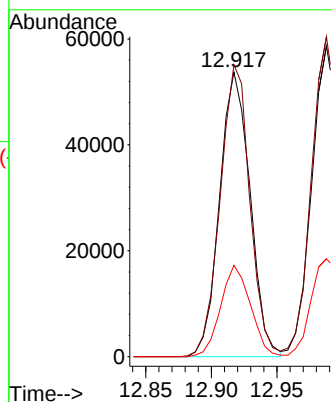
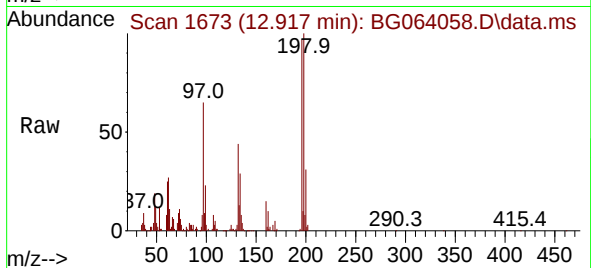
Tgt Ion:196 Resp: 86642

Ion Ratio Lower Upper

196 100

198 102.6 85.6 128.4

200 32.1 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 44.152 ng

RT: 12.988 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Tgt Ion:196 Resp: 95182

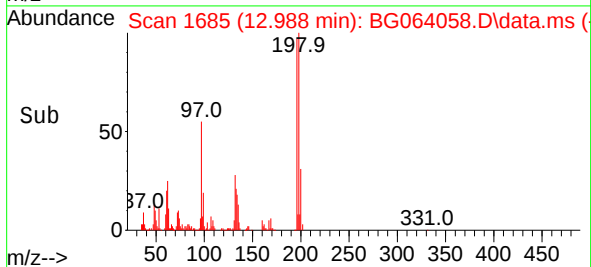
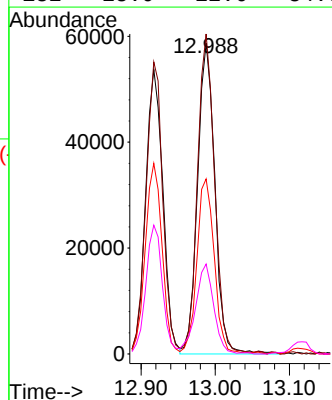
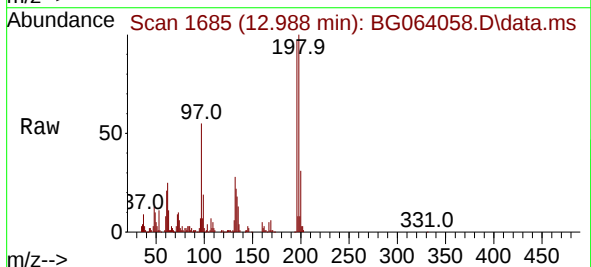
Ion Ratio Lower Upper

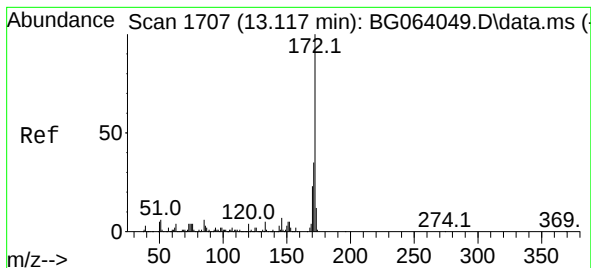
196 100

198 103.0 79.5 119.3

97 56.3 45.2 67.8

132 28.9 22.6 34.0

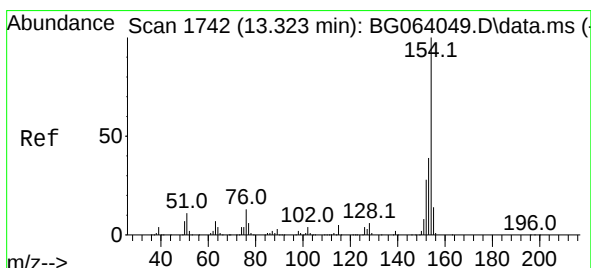
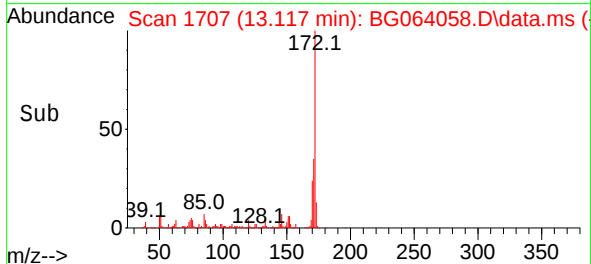
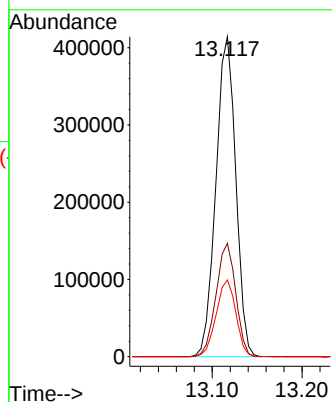
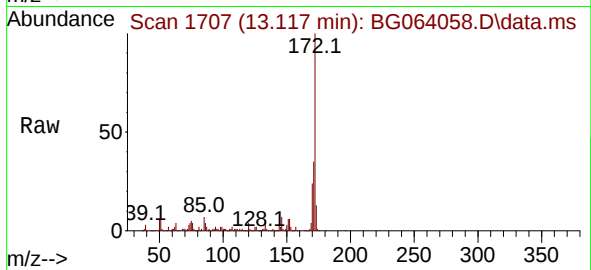




#45  
2-Fluorobiphenyl  
Concen: 83.585 ng  
RT: 13.117 min Scan# 1707  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

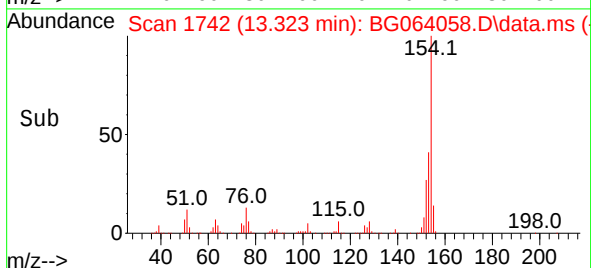
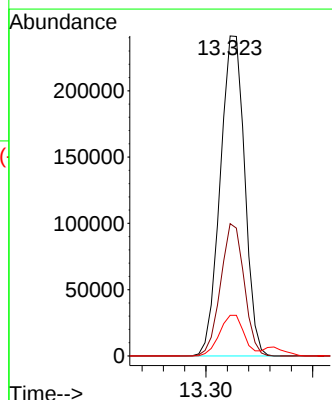
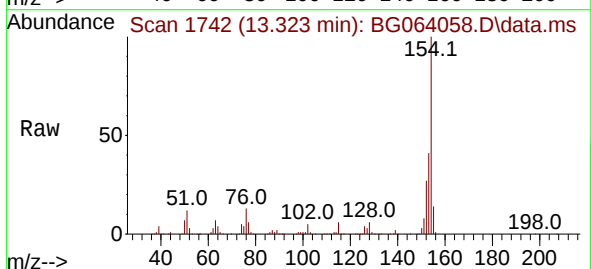
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

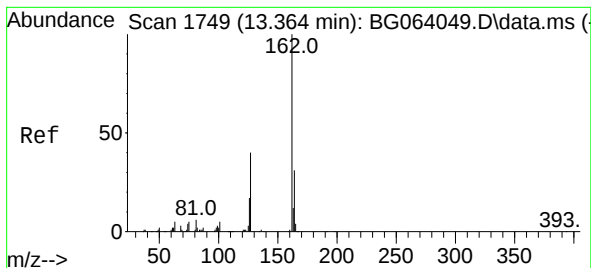
Tgt Ion:172 Resp: 634957  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.0 42.0  
170 24.0 18.7 28.1



#46  
1,1'-Biphenyl  
Concen: 44.075 ng  
RT: 13.323 min Scan# 1742  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:154 Resp: 383958  
Ion Ratio Lower Upper  
154 100  
153 41.3 19.5 59.5  
76 12.7 0.0 33.5

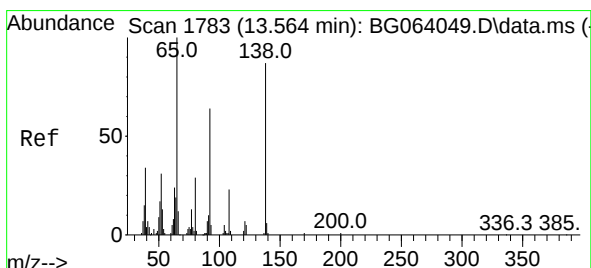
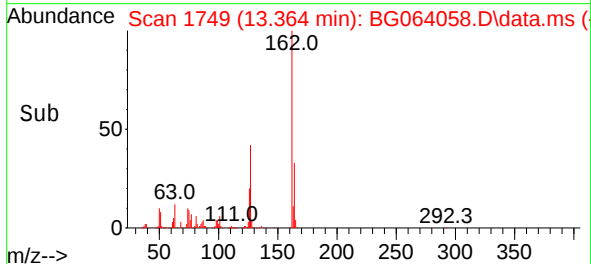
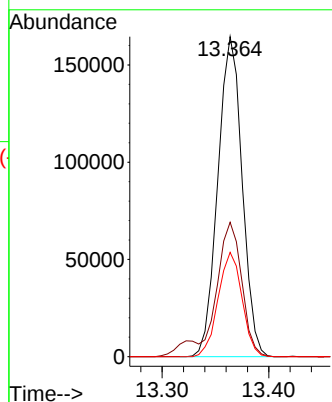
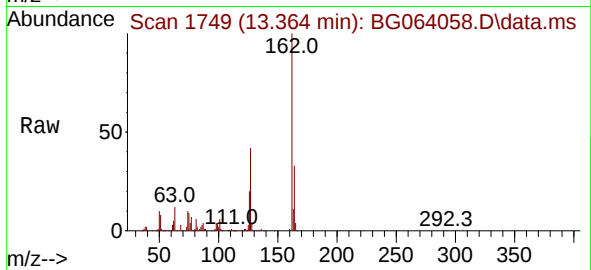




#47  
2-Chloronaphthalene  
Concen: 40.971 ng  
RT: 13.364 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

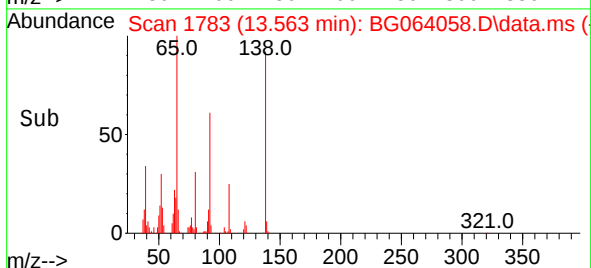
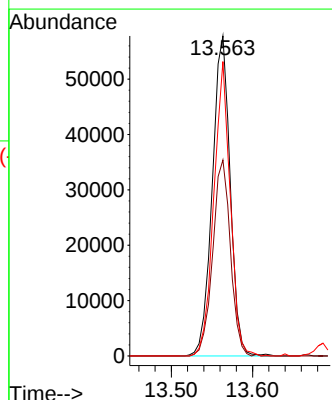
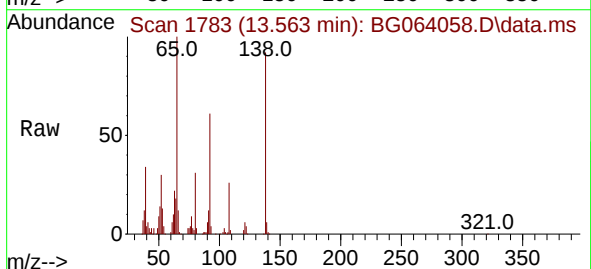
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

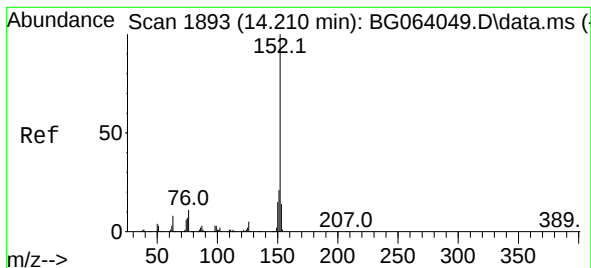
Tgt Ion:162 Resp: 260312  
Ion Ratio Lower Upper  
162 100  
127 42.0 35.0 52.4  
164 32.6 25.0 37.6



#48  
2-Nitroaniline  
Concen: 42.853 ng  
RT: 13.563 min Scan# 1783  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion: 65 Resp: 88261  
Ion Ratio Lower Upper  
65 100  
92 61.3 51.2 76.8  
138 92.0 69.4 104.2





#49

Acenaphthylene

Concen: 41.958 ng

RT: 14.210 min Scan# 1893

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

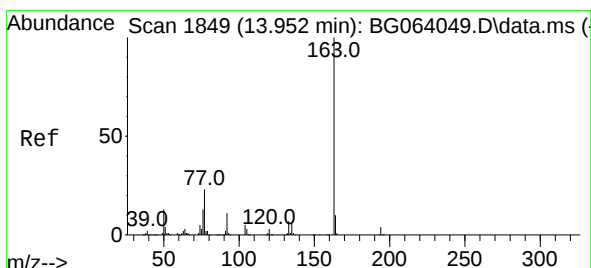
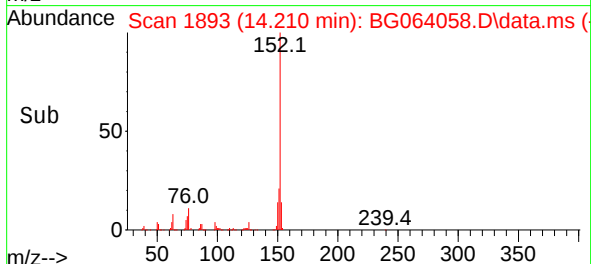
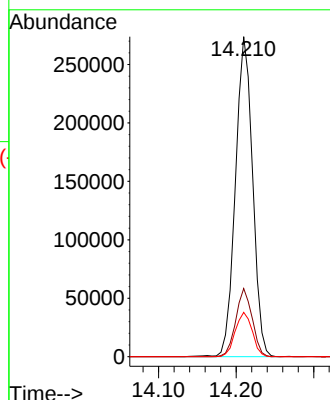
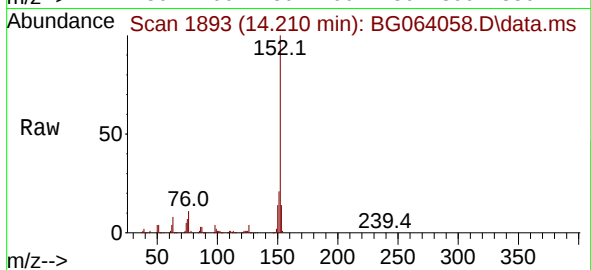
Tgt Ion:152 Resp: 421662

Ion Ratio Lower Upper

152 100

151 21.3 16.4 24.6

153 13.9 10.9 16.3



#50

Dimethylphthalate

Concen: 40.599 ng

RT: 13.951 min Scan# 1849

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

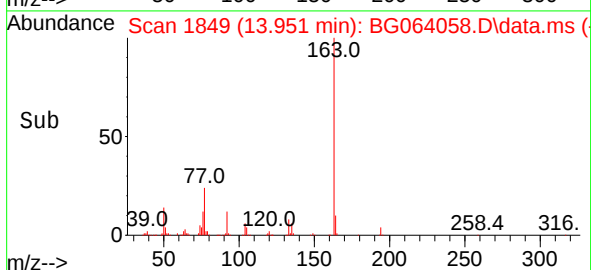
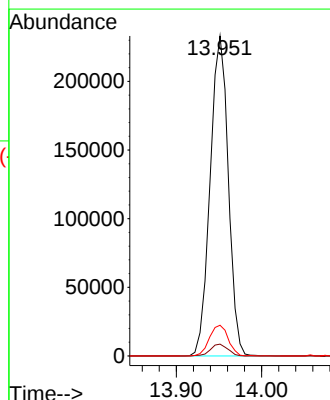
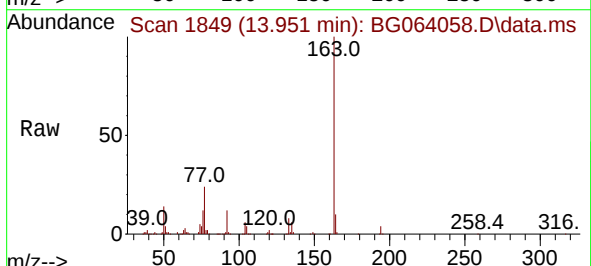
Tgt Ion:163 Resp: 345559

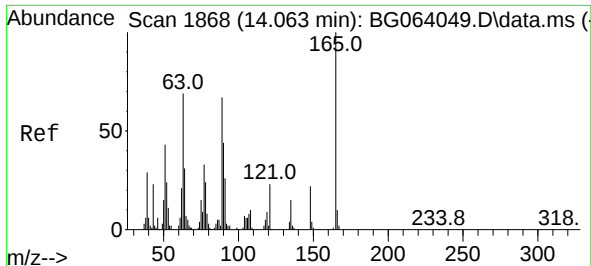
Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

164 9.6 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 40.946 ng

RT: 14.063 min Scan# 1868

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

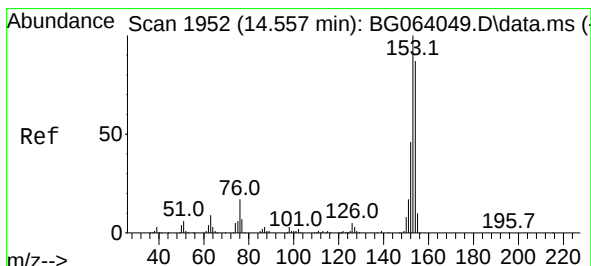
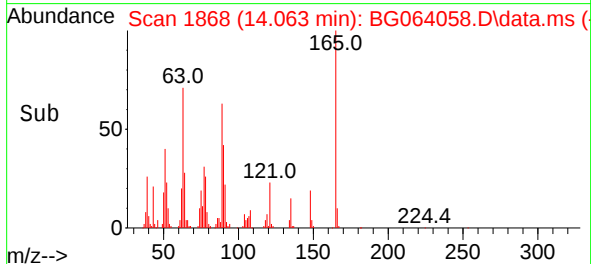
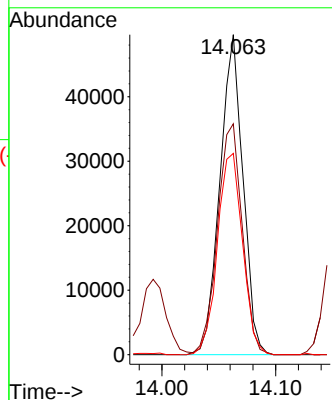
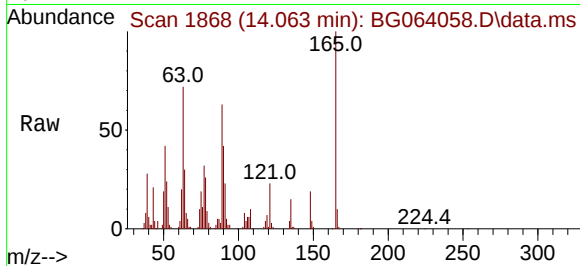
Tgt Ion:165 Resp: 69789

Ion Ratio Lower Upper

165 100

63 72.1 56.7 85.1

89 62.9 53.7 80.5



#52

Acenaphthene

Concen: 39.839 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

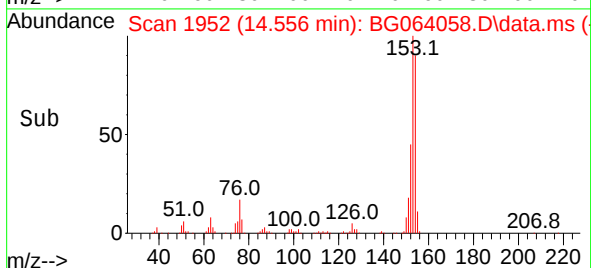
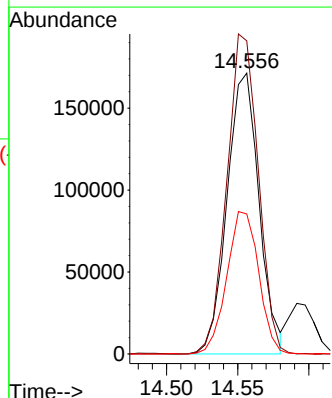
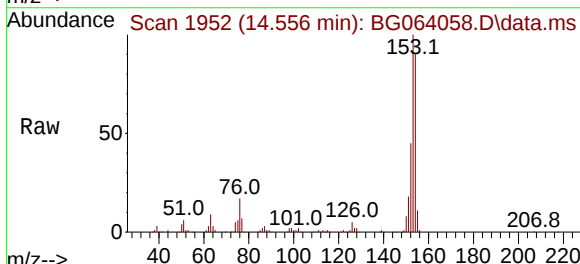
Tgt Ion:154 Resp: 268690

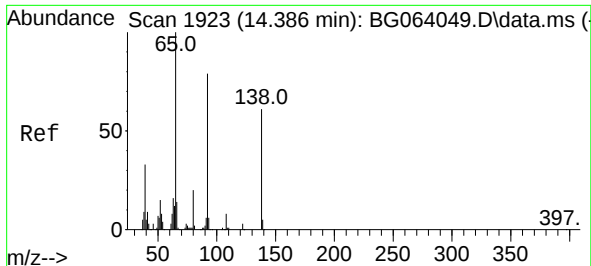
Ion Ratio Lower Upper

154 100

153 111.5 91.6 137.4

152 49.8 42.5 63.7

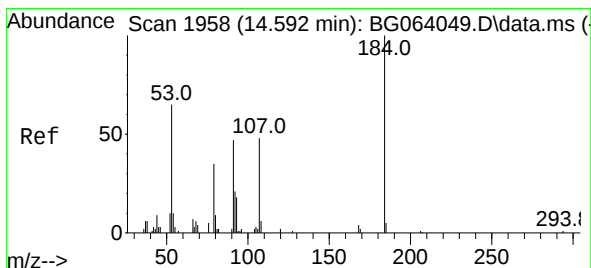
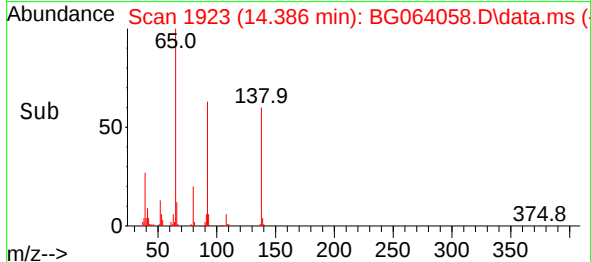
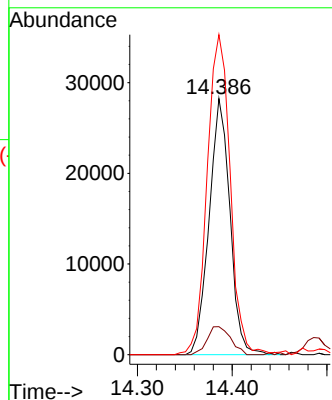
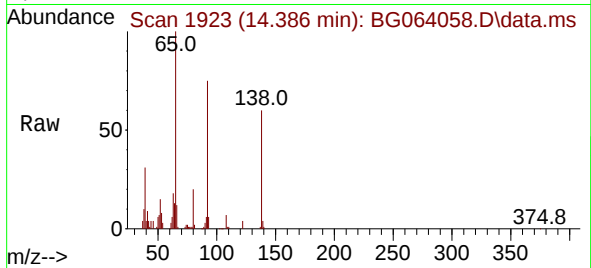




#53  
3-Nitroaniline  
Concen: 26.207 ng  
RT: 14.386 min Scan# 1923  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

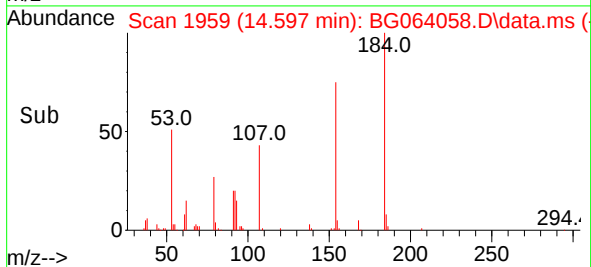
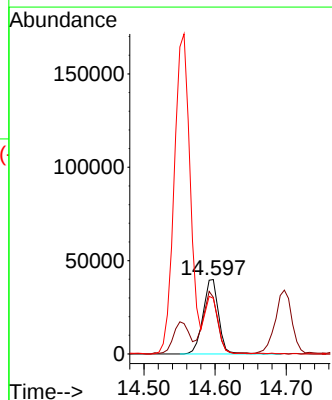
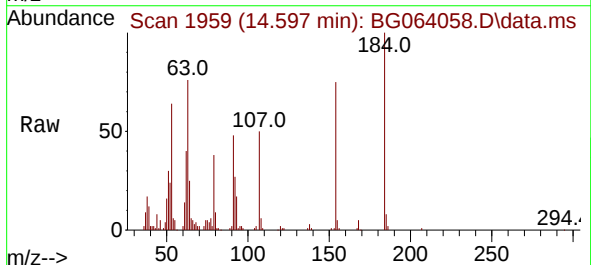
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

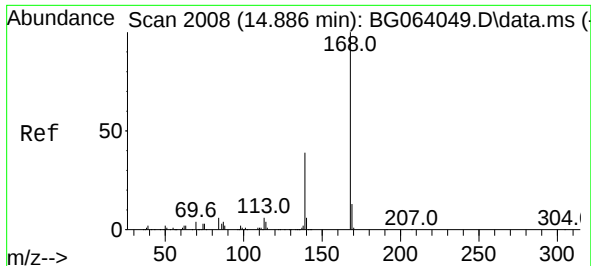
Tgt Ion:138 Resp: 43112  
Ion Ratio Lower Upper  
138 100  
108 10.9 10.1 15.1  
92 124.9 104.1 156.1



#54  
2,4-Dinitrophenol  
Concen: 83.859 ng  
RT: 14.597 min Scan# 1959  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:184 Resp: 60678  
Ion Ratio Lower Upper  
184 100  
63 76.2 57.5 86.3  
154 74.9 52.3 78.5

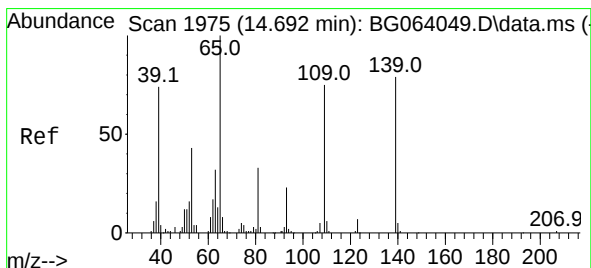
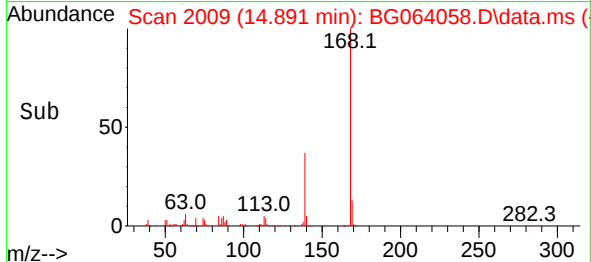
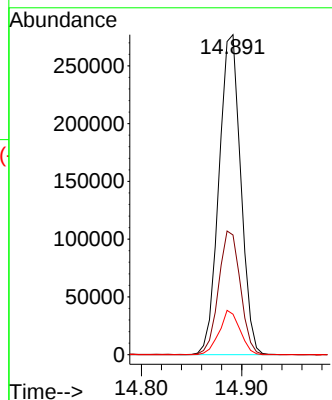
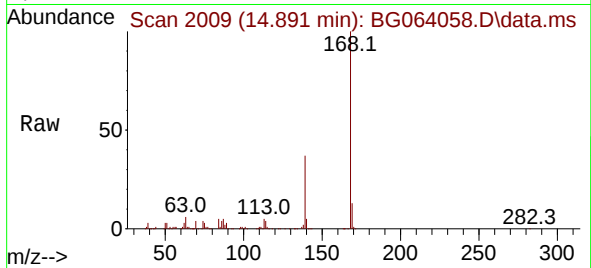




#55  
Dibenzenofuran  
Concen: 38.165 ng  
RT: 14.891 min Scan# 2008  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

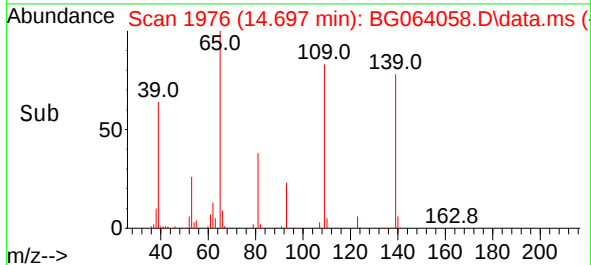
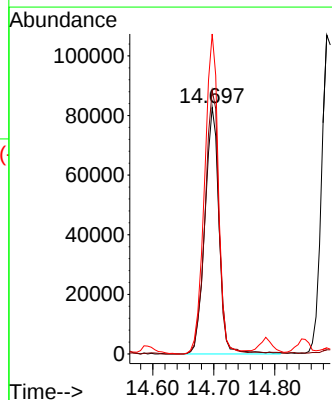
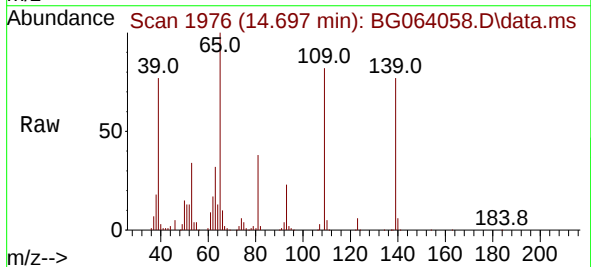
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

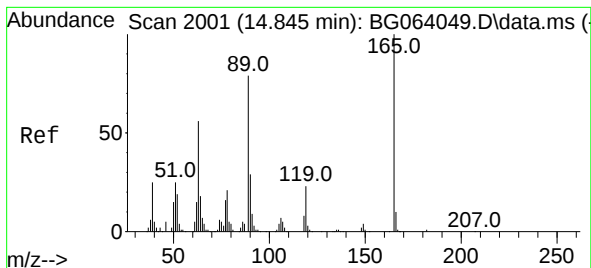
Tgt Ion:168 Resp: 416978  
Ion Ratio Lower Upper  
168 100  
139 37.4 31.1 46.7  
169 12.7 10.5 15.7



#56  
4-Nitrophenol  
Concen: 97.528 ng  
RT: 14.697 min Scan# 1976  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

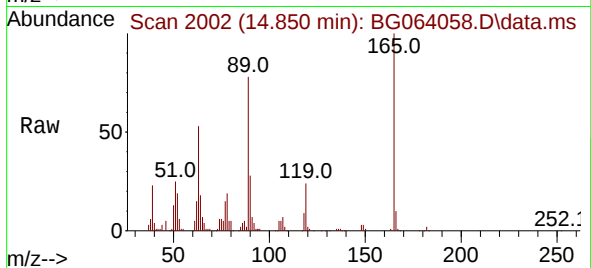
Tgt Ion:139 Resp: 134556  
Ion Ratio Lower Upper  
139 100  
109 106.9 74.9 114.9  
65 129.8 106.8 146.8



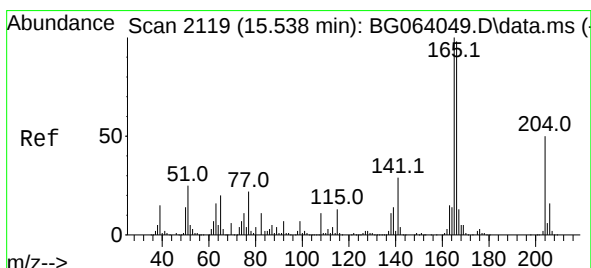
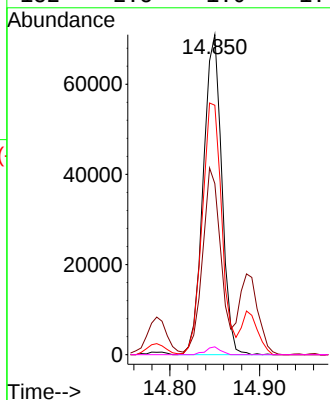
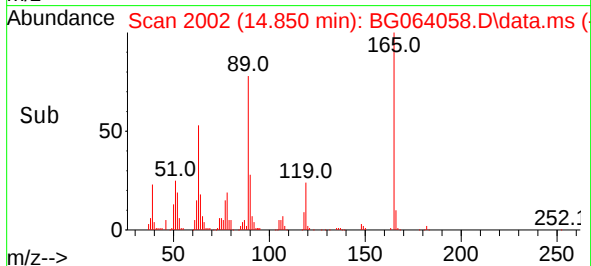


#57  
2,4-Dinitrotoluene  
Concen: 42.989 ng  
RT: 14.850 min Scan# 2001  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

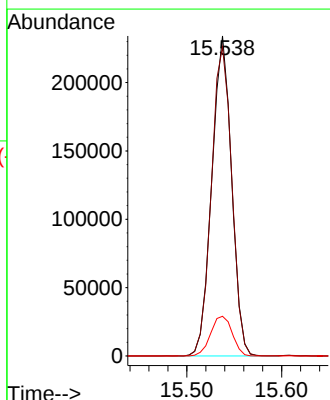
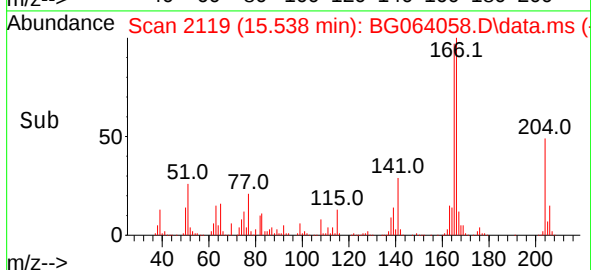
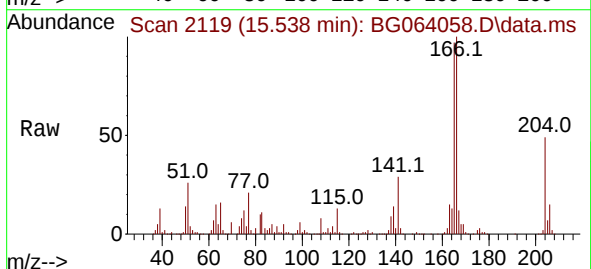


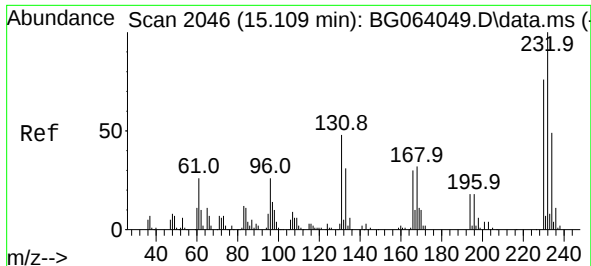
Tgt Ion:165 Resp: 101445  
Ion Ratio Lower Upper  
165 100  
63 53.4 45.0 67.6  
89 78.0 63.1 94.7  
182 2.5 1.0 1.4#



#58  
Fluorene  
Concen: 39.782 ng  
RT: 15.538 min Scan# 2119  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:166 Resp: 338529  
Ion Ratio Lower Upper  
166 100  
165 96.6 81.8 122.8  
167 12.4 10.8 16.2

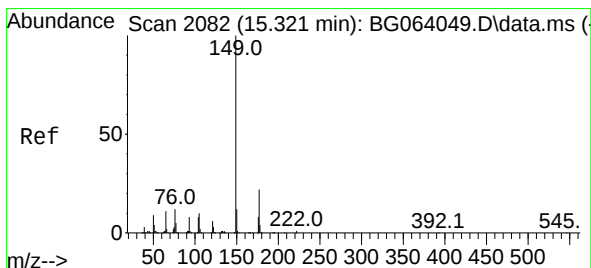
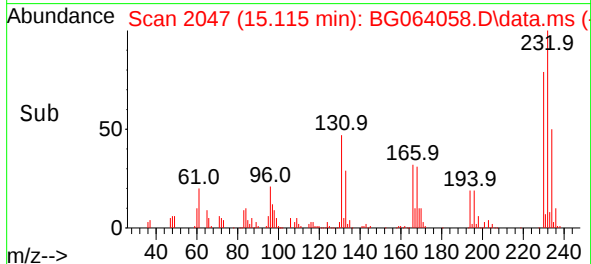
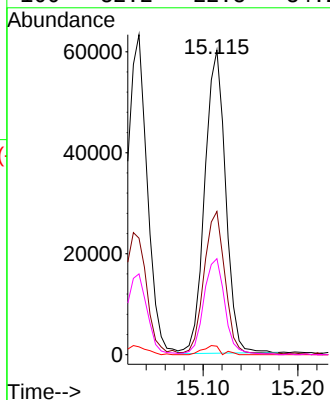
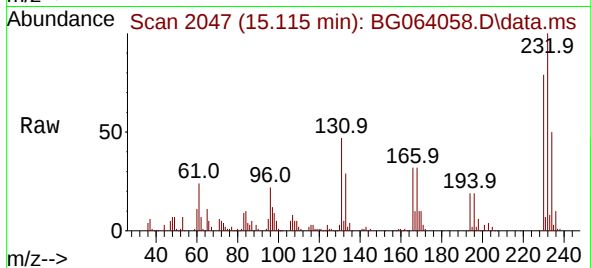




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.492 ng  
RT: 15.115 min Scan# 2046  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

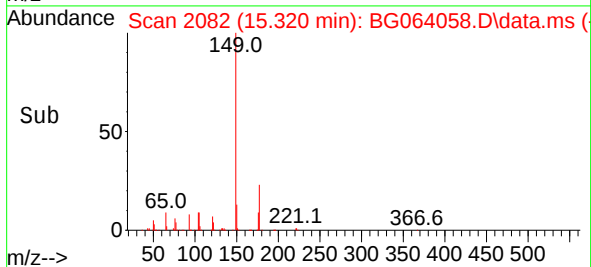
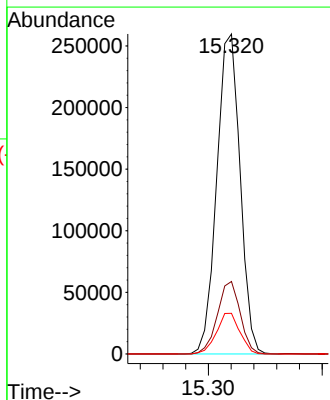
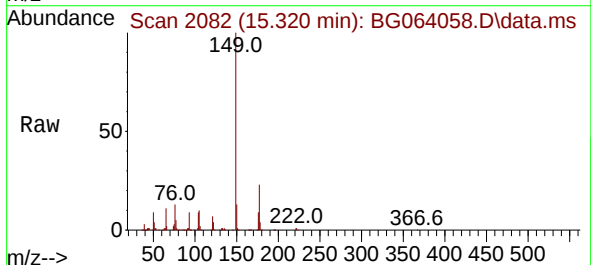
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

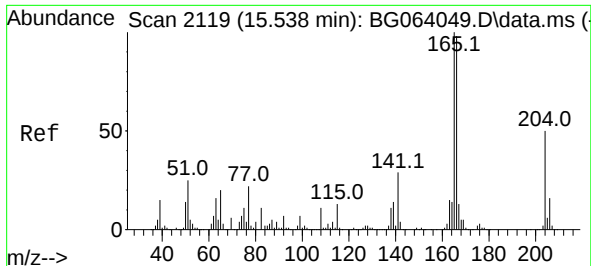
Tgt Ion:232 Resp: 91404  
Ion Ratio Lower Upper  
232 100  
131 47.4 36.3 54.5  
130 2.7 1.9 2.9  
166 32.2 22.8 34.2



#60  
Diethylphthalate  
Concen: 39.992 ng  
RT: 15.320 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 369537  
Ion Ratio Lower Upper  
149 100  
177 22.6 17.4 26.2  
150 12.7 9.4 14.2

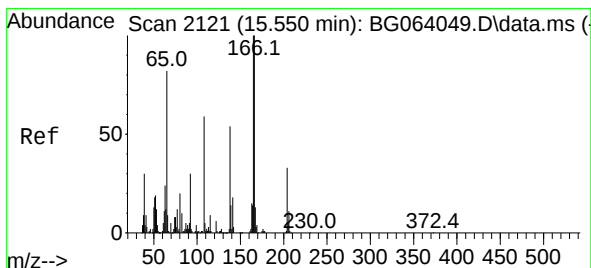
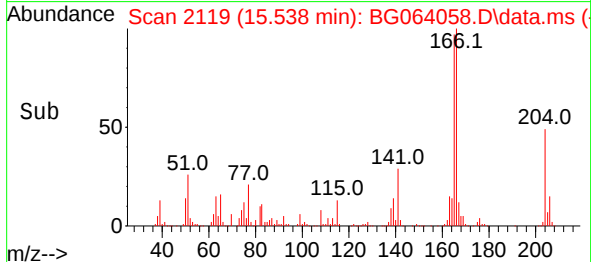
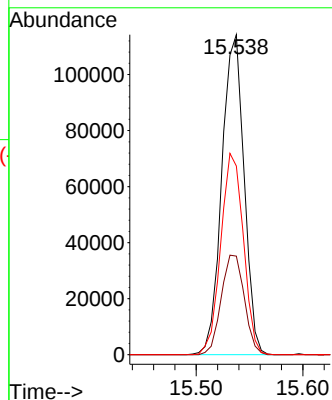
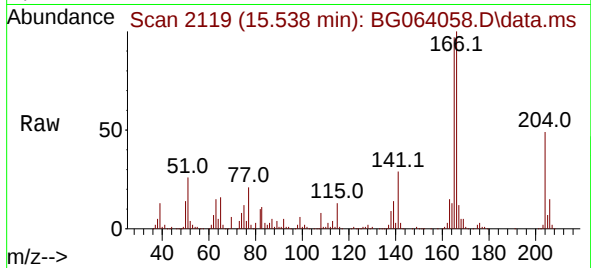




#61  
4-Chlorophenyl-phenylether  
Concen: 39.095 ng  
RT: 15.538 min Scan# 2119  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

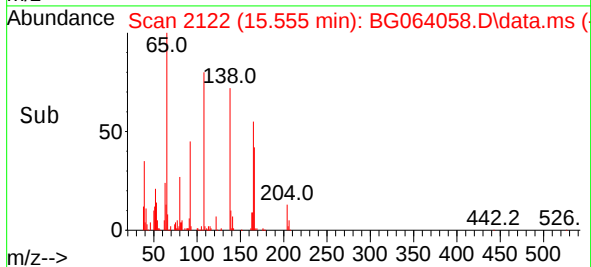
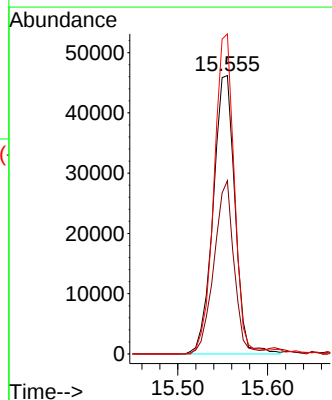
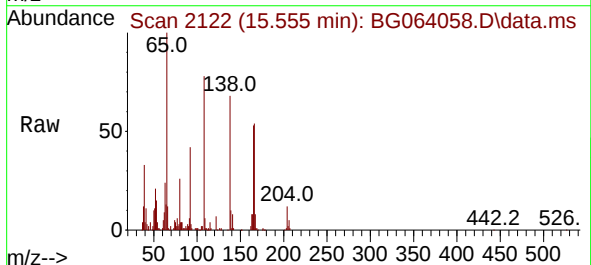
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

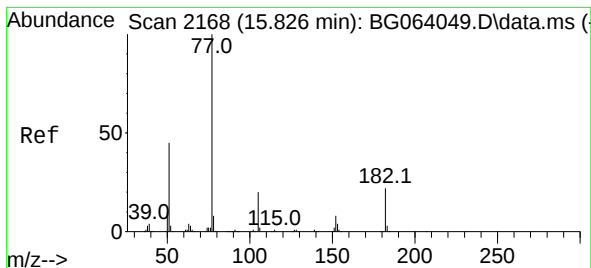
Tgt Ion:204 Resp: 165324  
Ion Ratio Lower Upper  
204 100  
206 30.8 25.5 38.3  
141 58.9 45.4 68.0



#62  
4-Nitroaniline  
Concen: 43.863 ng  
RT: 15.555 min Scan# 2122  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:138 Resp: 77903  
Ion Ratio Lower Upper  
138 100  
92 62.2 36.1 76.1  
108 114.9 87.9 127.9





#63

Azobenzene

Concen: 39.420 ng

RT: 15.825 min Scan# 2168

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

Tgt Ion: 77 Resp: 388690

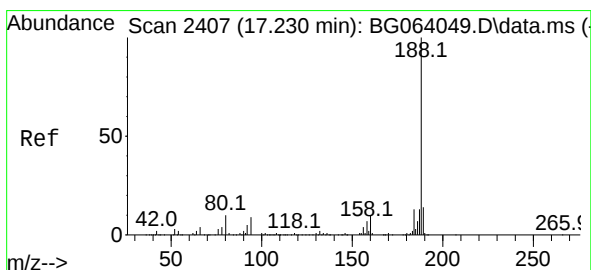
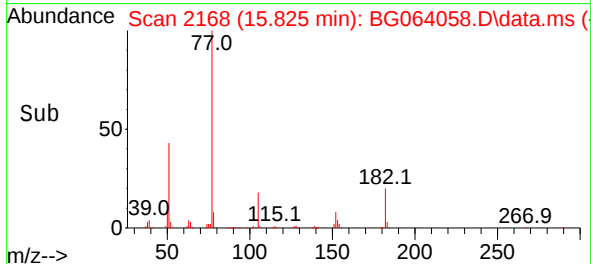
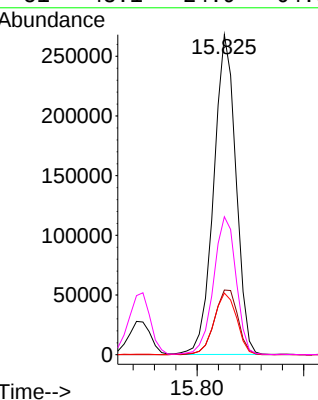
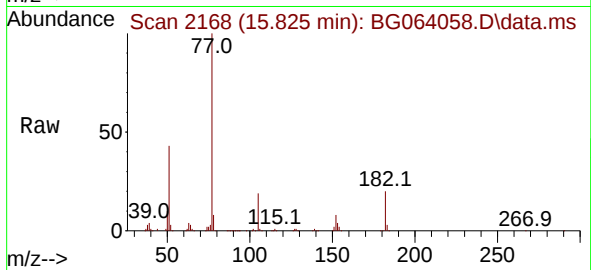
Ion Ratio Lower Upper

77 100

182 20.2 2.4 42.4

105 19.2 0.0 40.0

51 43.1 24.9 64.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.230 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

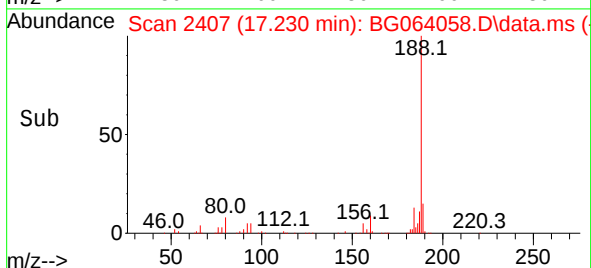
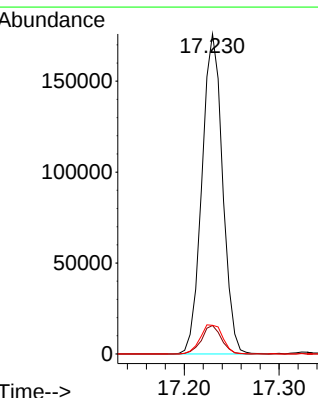
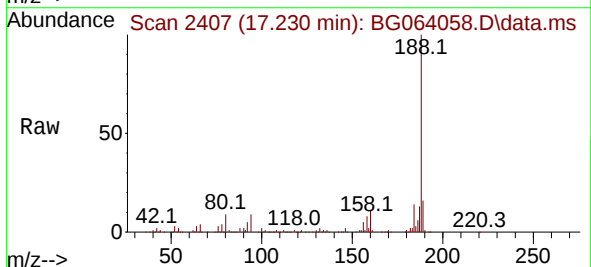
Tgt Ion:188 Resp: 265788

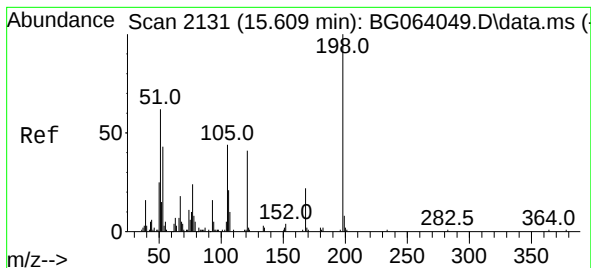
Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

80 8.9 8.1 12.1

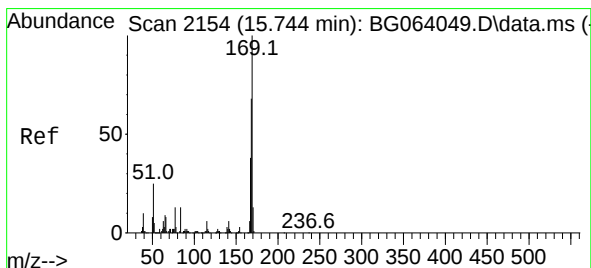
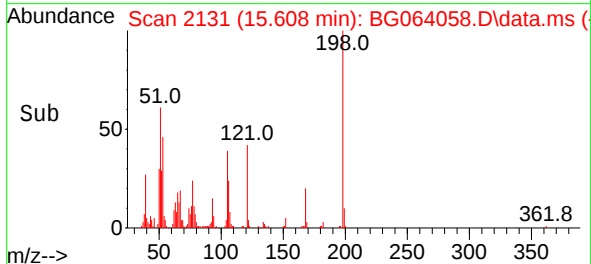
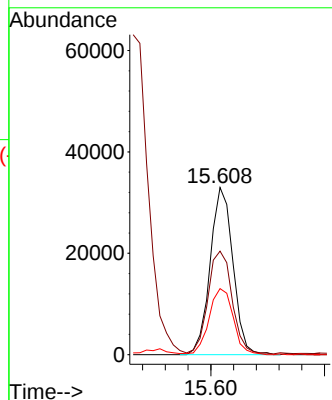
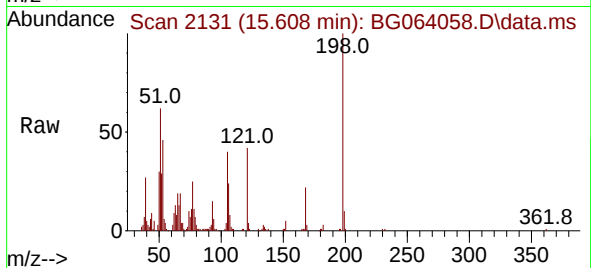




#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.331 ng  
RT: 15.608 min Scan# 2131  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

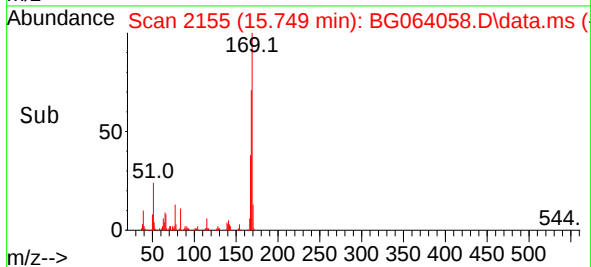
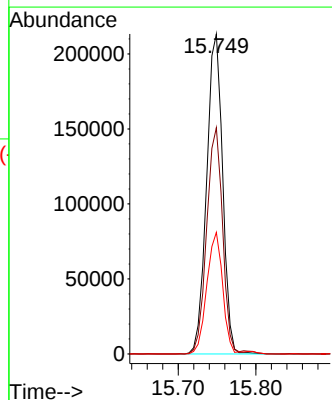
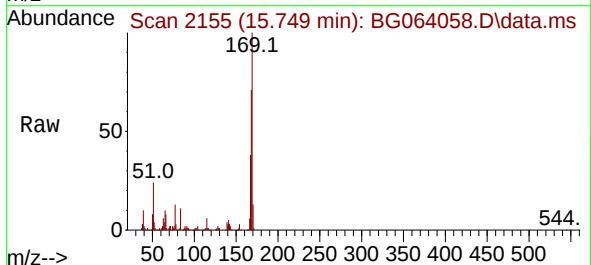
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

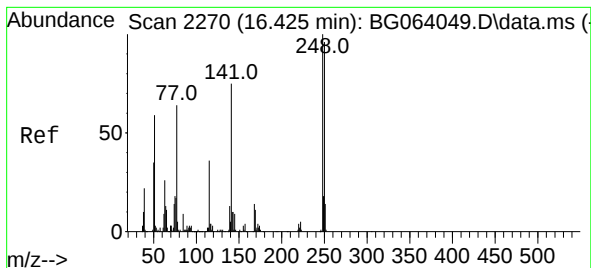
Tgt Ion:198 Resp: 45885  
Ion Ratio Lower Upper  
198 100  
51 62.0 45.6 85.6  
105 39.5 25.3 65.3



#66  
n-Nitrosodiphenylamine  
Concen: 40.538 ng  
RT: 15.749 min Scan# 2155  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:169 Resp: 304982  
Ion Ratio Lower Upper  
169 100  
168 70.7 54.1 81.1  
167 38.0 30.3 45.5

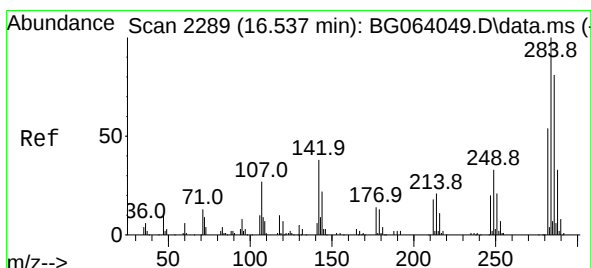
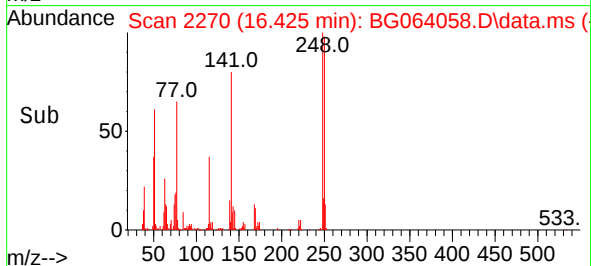
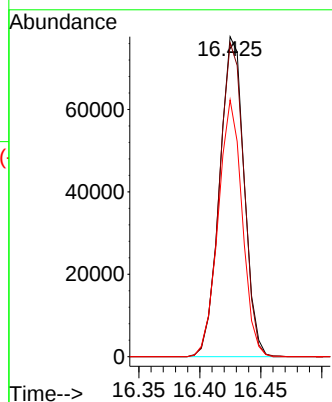
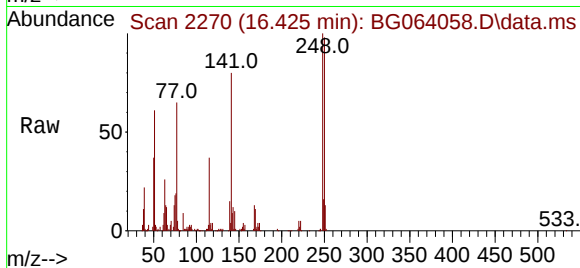




#67  
4-Bromophenyl-phenylether  
Concen: 39.962 ng  
RT: 16.425 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

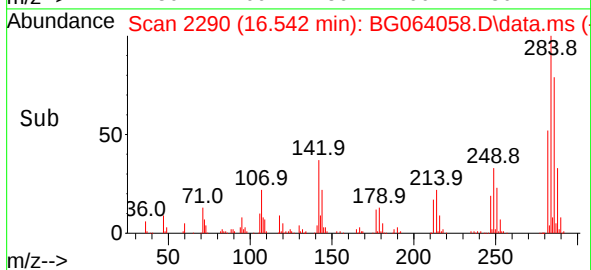
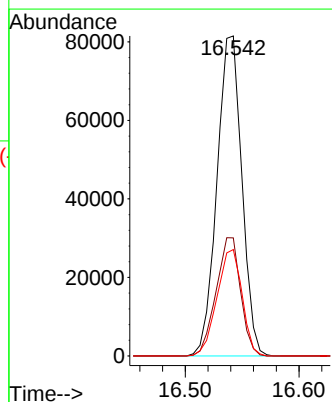
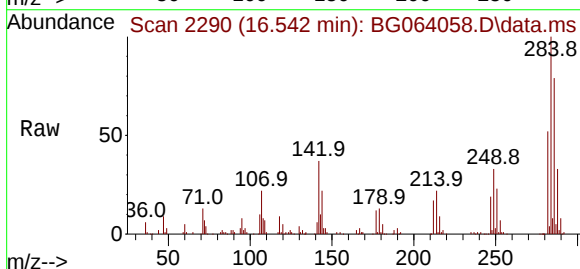
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

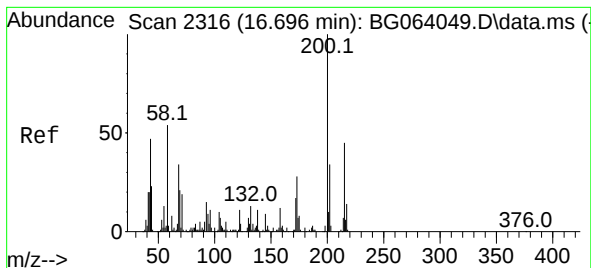
Tgt Ion:248 Resp: 108783  
Ion Ratio Lower Upper  
248 100  
250 98.1 77.1 115.7  
141 80.3 59.8 89.8



#68  
Hexachlorobenzene  
Concen: 40.708 ng  
RT: 16.542 min Scan# 2290  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:284 Resp: 124061  
Ion Ratio Lower Upper  
284 100  
142 36.9 30.6 45.8  
249 33.3 26.6 39.8





#69

Atrazine

Concen: 62.032 ng

RT: 16.701 min Scan# 2316

Delta R.T. 0.005 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

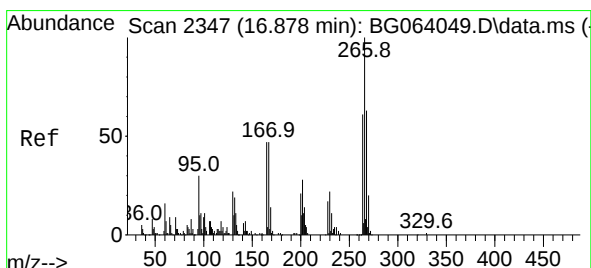
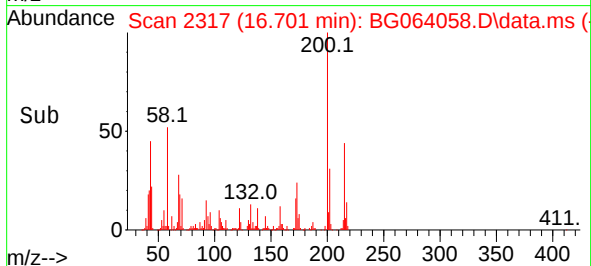
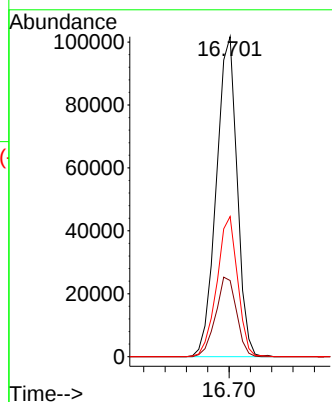
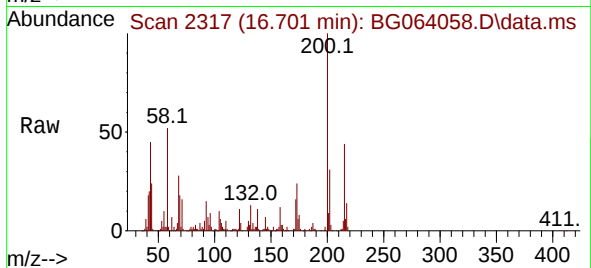
Tgt Ion:200 Resp: 137316

Ion Ratio Lower Upper

200 100

173 23.8 8.2 48.2

215 43.8 25.5 65.5



#70

Pentachlorophenol

Concen: 85.314 ng

RT: 16.883 min Scan# 2348

Delta R.T. 0.005 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

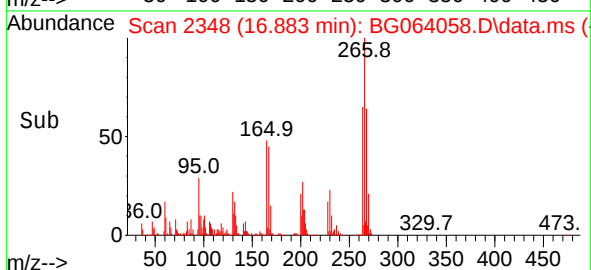
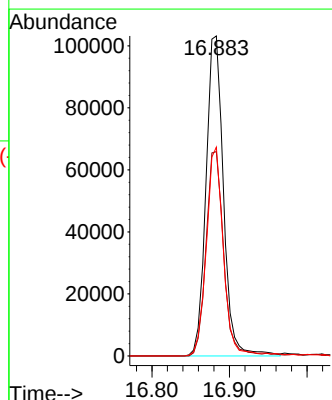
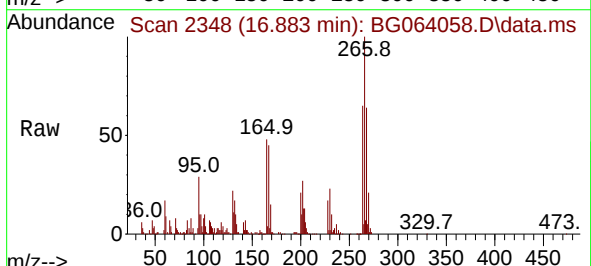
Tgt Ion:266 Resp: 161432

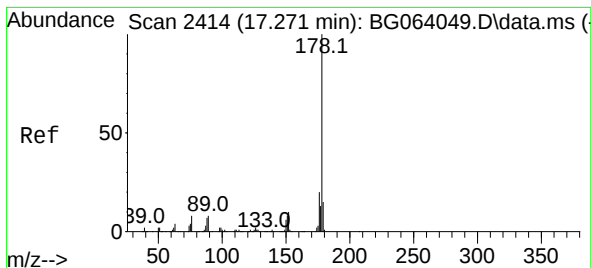
Ion Ratio Lower Upper

266 100

268 63.8 50.2 75.4

264 65.2 48.9 73.3





#71

Phenanthrene

Concen: 41.367 ng

RT: 17.271 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

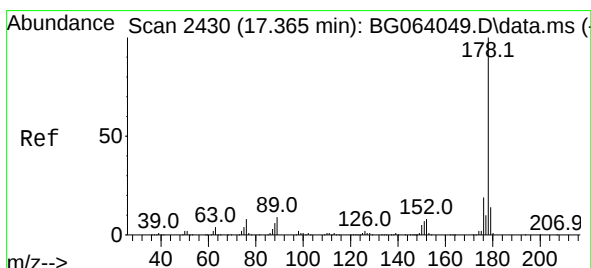
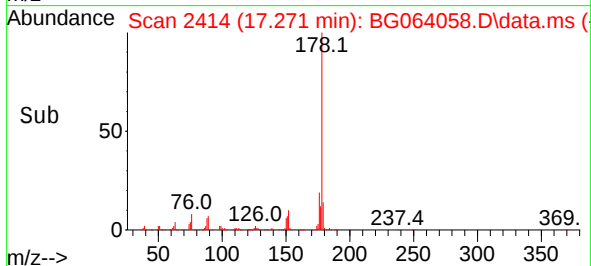
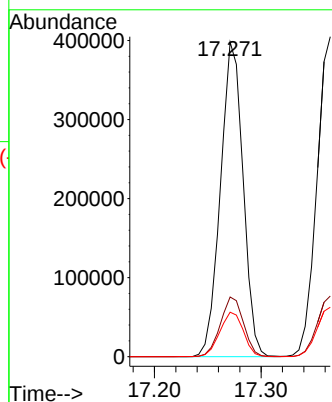
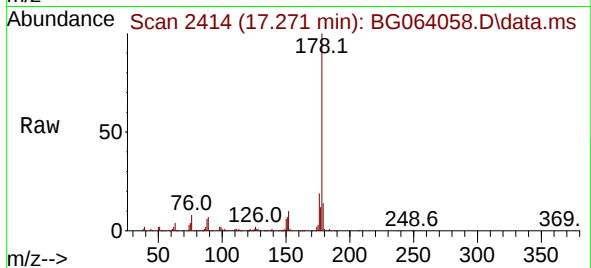
Tgt Ion:178 Resp: 586440

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

179 14.2 12.2 18.2



#72

Anthracene

Concen: 42.231 ng

RT: 17.365 min Scan# 2430

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

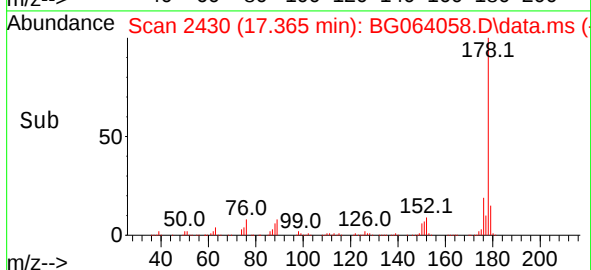
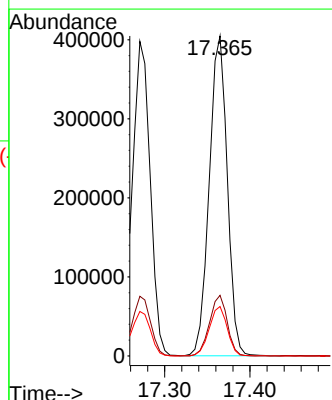
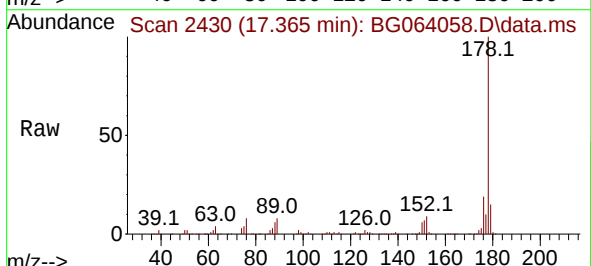
Tgt Ion:178 Resp: 595310

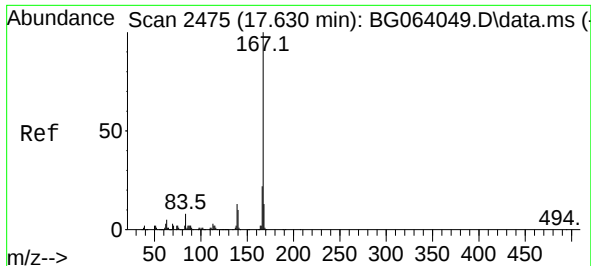
Ion Ratio Lower Upper

178 100

176 19.0 14.8 22.2

179 15.5 11.5 17.3

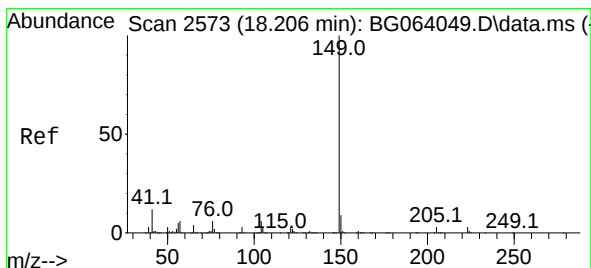
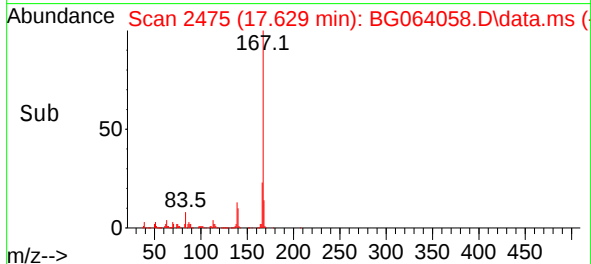
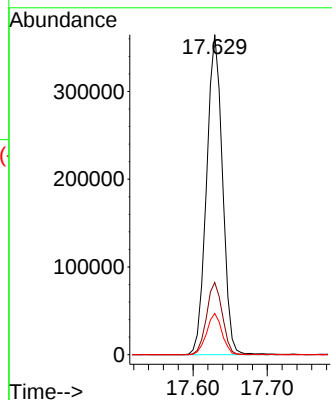
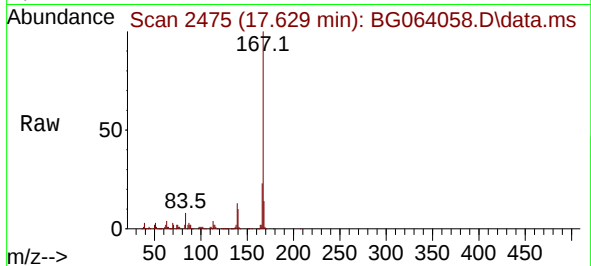




#73  
 Carbazole  
 Concen: 41.324 ng  
 RT: 17.629 min Scan# 2475  
 Delta R.T. -0.000 min  
 Lab File: BG064058.D  
 Acq: 7 Mar 2025 14:18

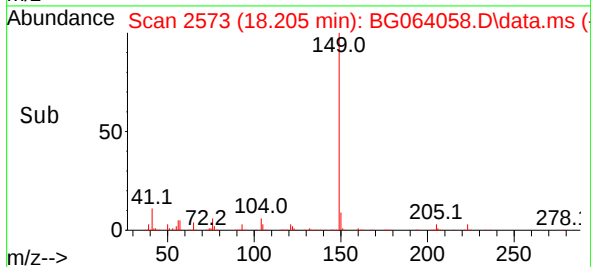
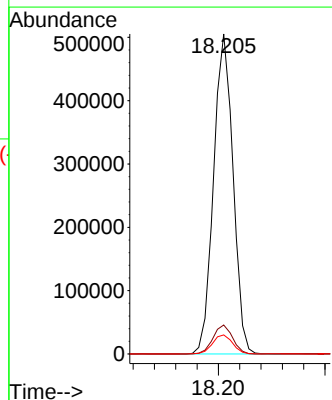
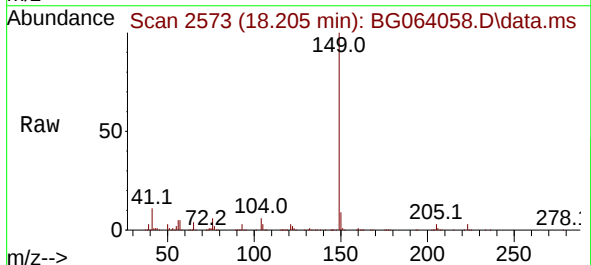
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB167031BS

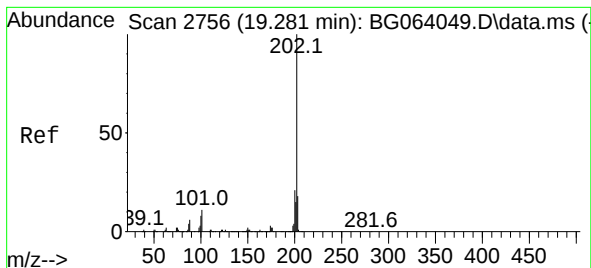
Tgt Ion:167 Resp: 543876  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 18.0 27.0  
 139 12.9 10.6 15.8



#74  
 Di-n-butylphthalate  
 Concen: 41.202 ng  
 RT: 18.205 min Scan# 2573  
 Delta R.T. -0.000 min  
 Lab File: BG064058.D  
 Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 638316  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 6.0 5.0 7.6





#75

Fluoranthene

Concen: 39.371 ng

RT: 19.280 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

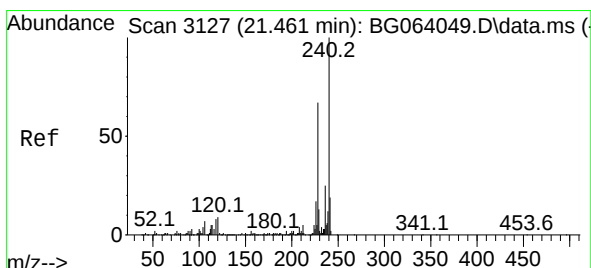
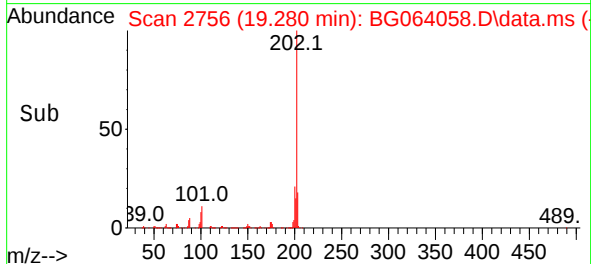
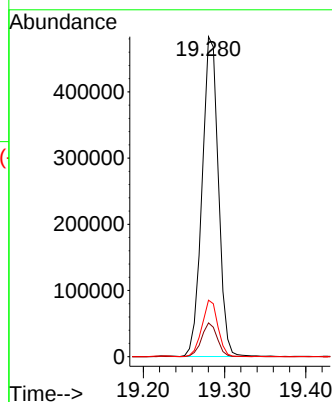
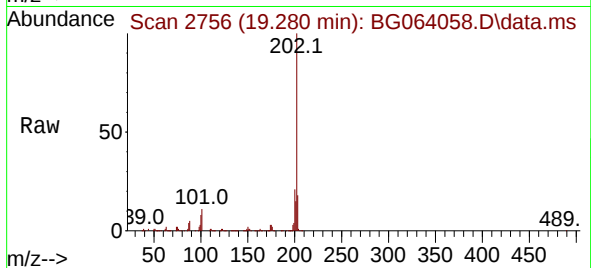
Tgt Ion:202 Resp: 672893

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.5

203 17.6 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.466 min Scan# 3128

Delta R.T. 0.005 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

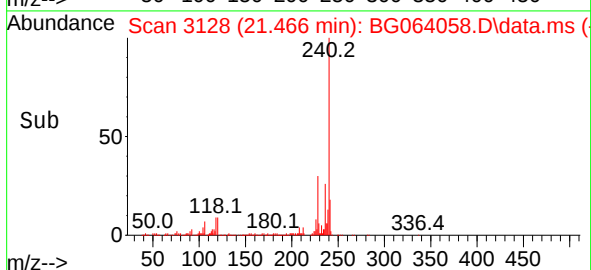
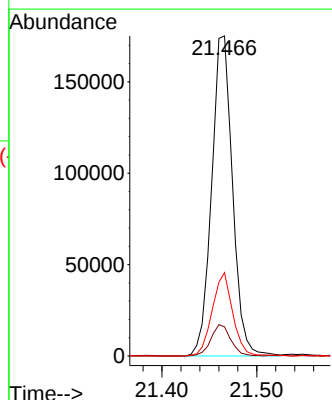
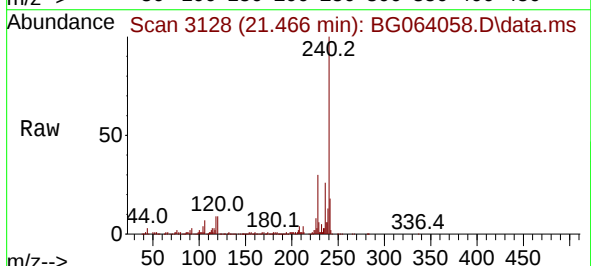
Tgt Ion:240 Resp: 268408

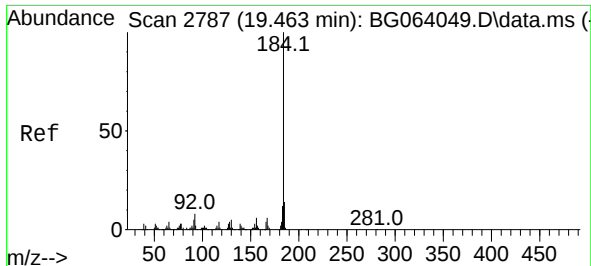
Ion Ratio Lower Upper

240 100

120 9.1 7.2 10.8

236 26.0 20.2 30.2

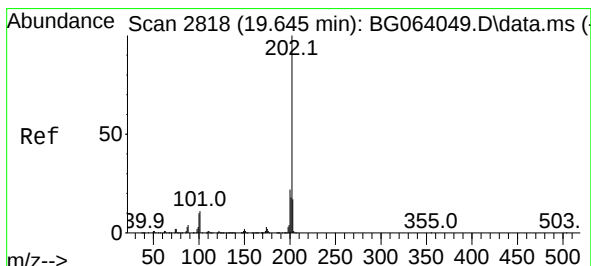
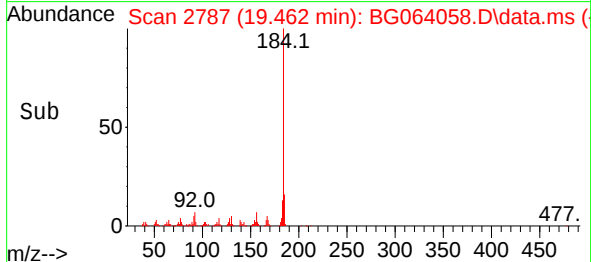
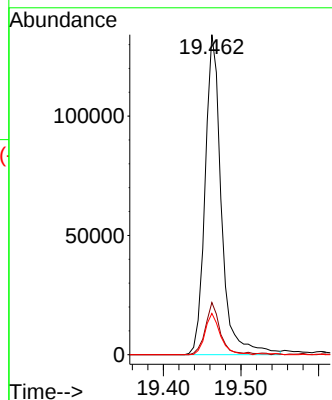
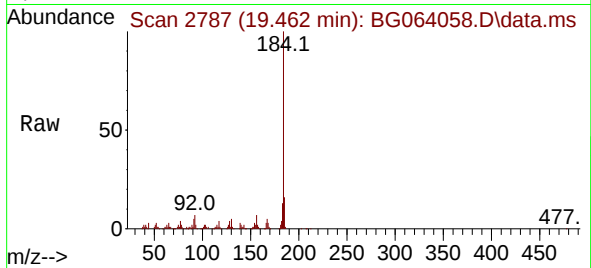




#77  
Benzidine  
Concen: 52.965 ng  
RT: 19.462 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

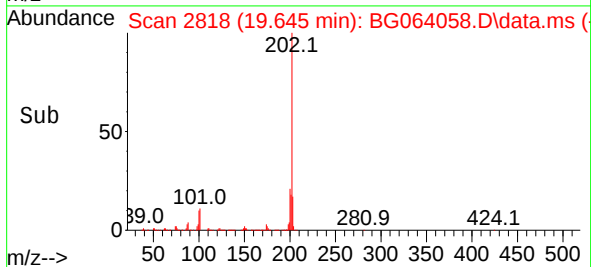
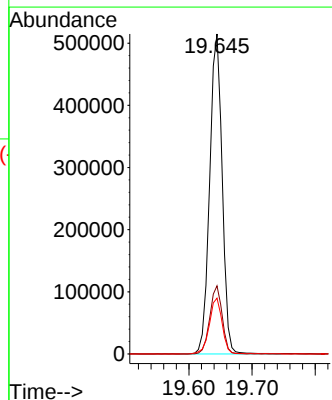
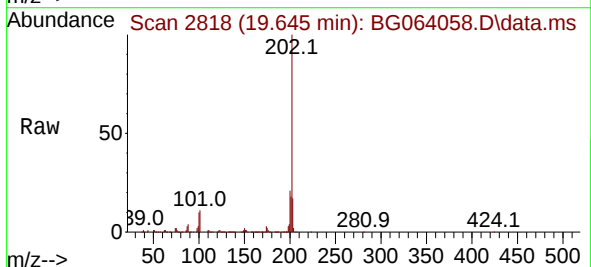
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

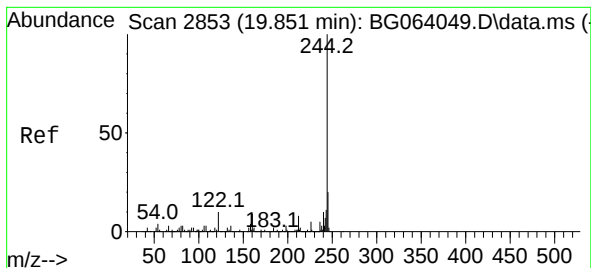
Tgt Ion:184 Resp: 196853  
Ion Ratio Lower Upper  
184 100  
185 16.3 11.3 16.9  
183 12.9 9.5 14.3



#78  
Pyrene  
Concen: 40.975 ng  
RT: 19.645 min Scan# 2818  
Delta R.T. -0.000 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:202 Resp: 708955  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.3 25.9  
203 17.5 13.6 20.4





#79

Terphenyl-d14

Concen: 88.297 ng

RT: 19.850 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

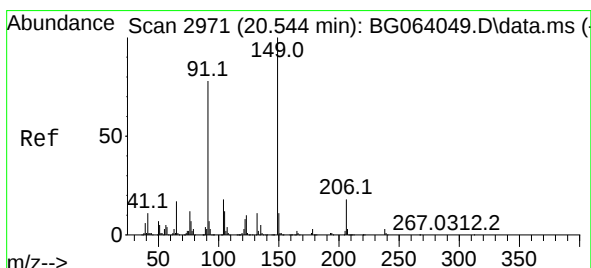
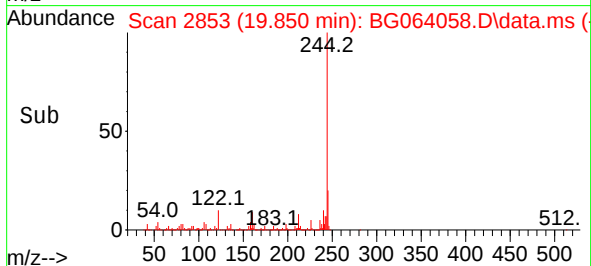
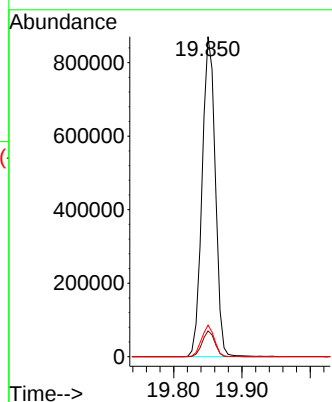
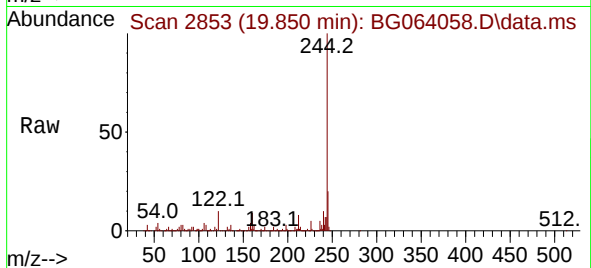
Tgt Ion:244 Resp: 1172088

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.4

122 9.9 8.0 12.0



#80

Butylbenzylphthalate

Concen: 41.635 ng

RT: 20.549 min Scan# 2972

Delta R.T. 0.005 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

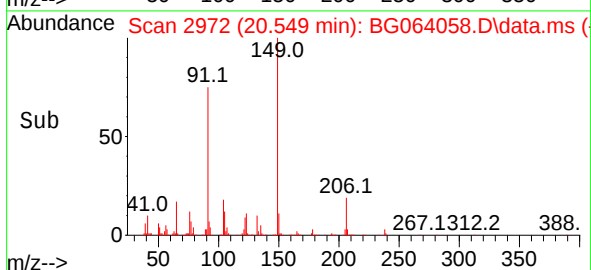
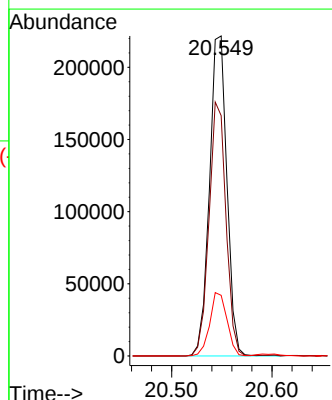
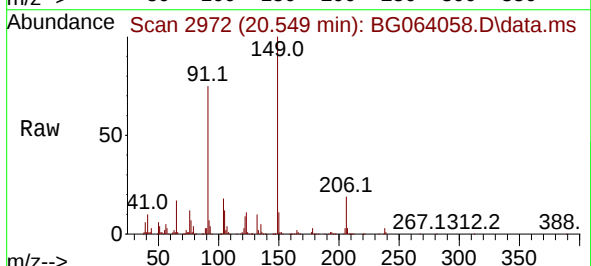
Tgt Ion:149 Resp: 266926

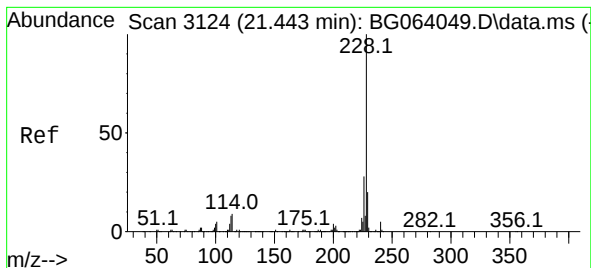
Ion Ratio Lower Upper

149 100

91 75.1 62.0 93.0

206 19.0 14.6 21.8





#81

Benzo(a)anthracene

Concen: 41.670 ng

RT: 21.442 min Scan# 3124

Delta R.T. -0.001 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

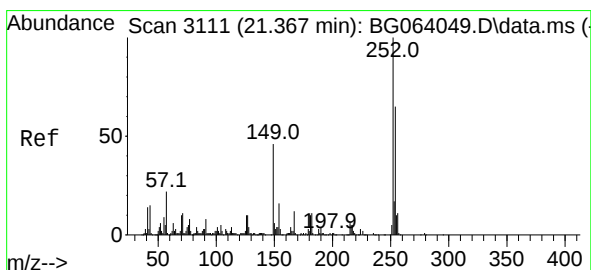
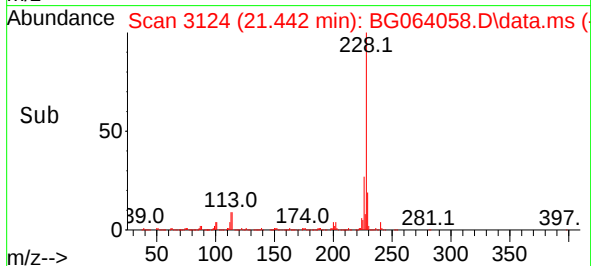
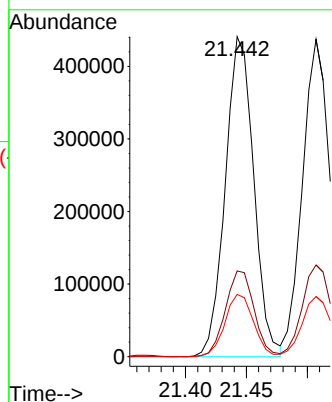
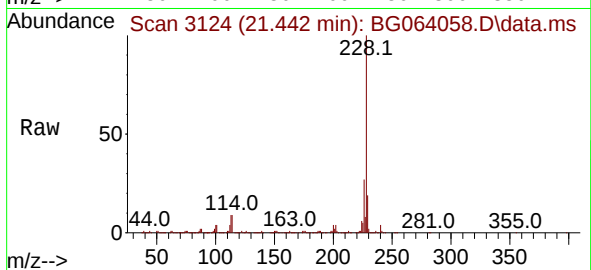
Tgt Ion:228 Resp: 716446

Ion Ratio Lower Upper

228 100

226 26.8 22.2 33.2

229 19.5 16.4 24.6



#82

3,3'-Dichlorobenzidine

Concen: 27.000 ng

RT: 21.366 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

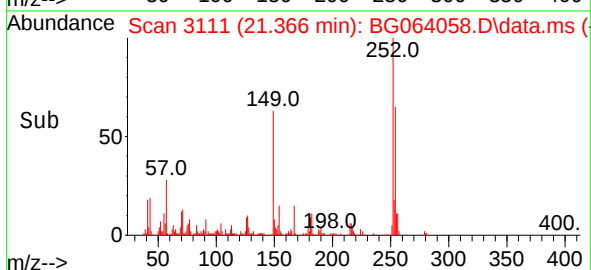
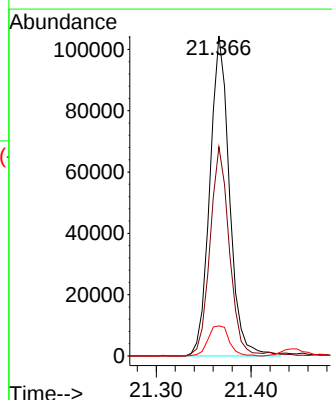
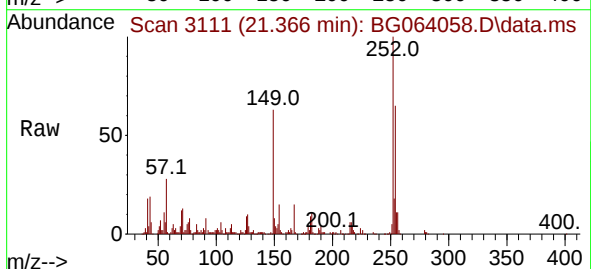
Tgt Ion:252 Resp: 150240

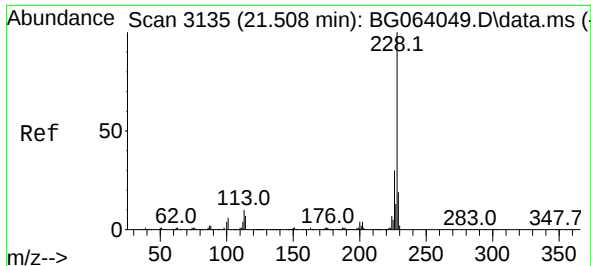
Ion Ratio Lower Upper

252 100

254 65.3 52.1 78.1

126 9.4 7.8 11.8

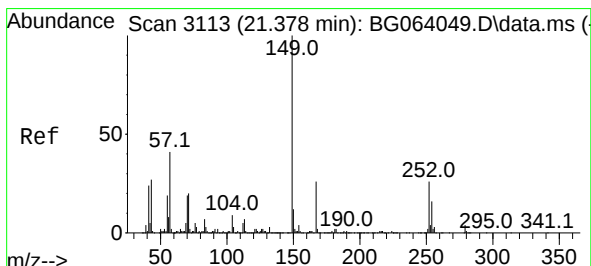
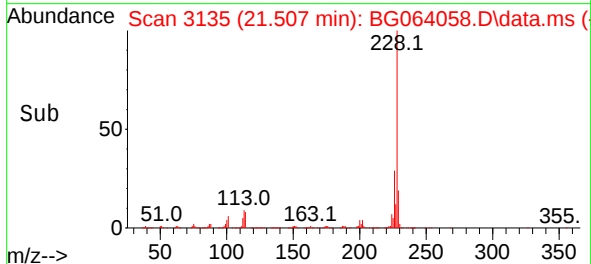
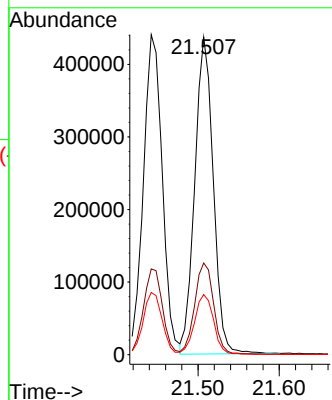
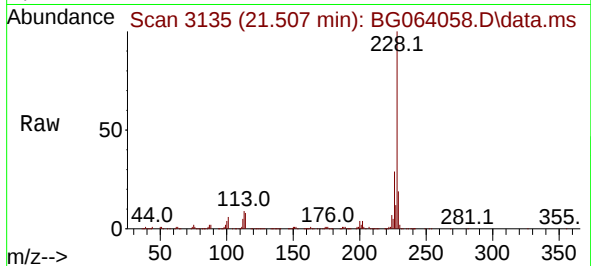




#83  
Chrysene  
Concen: 40.336 ng  
RT: 21.507 min Scan# 3113  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

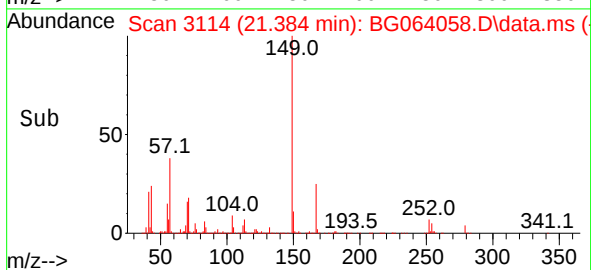
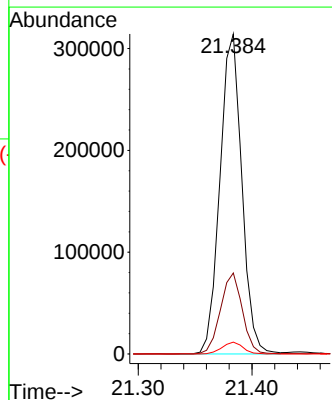
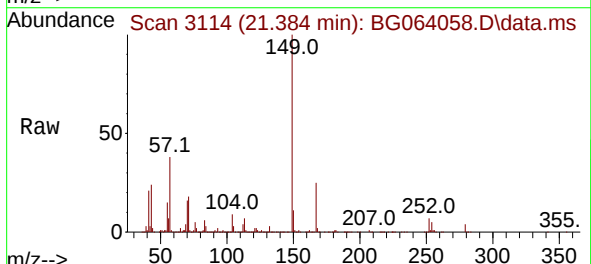
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

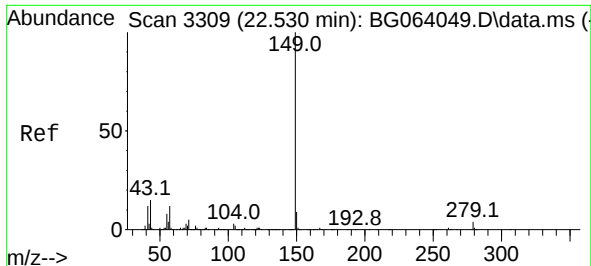
Tgt Ion:228 Resp: 691699  
Ion Ratio Lower Upper  
228 100  
226 28.9 23.9 35.9  
229 18.9 15.3 22.9



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 45.182 ng  
RT: 21.384 min Scan# 3114  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 420121  
Ion Ratio Lower Upper  
149 100  
167 25.3 21.0 31.6  
279 3.7 2.8 4.2

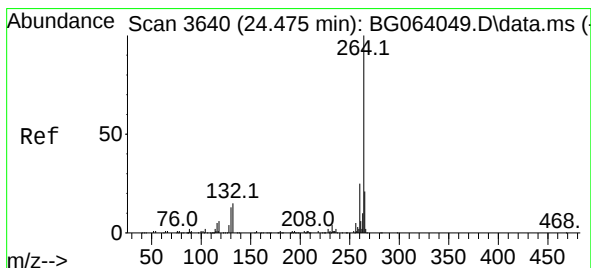
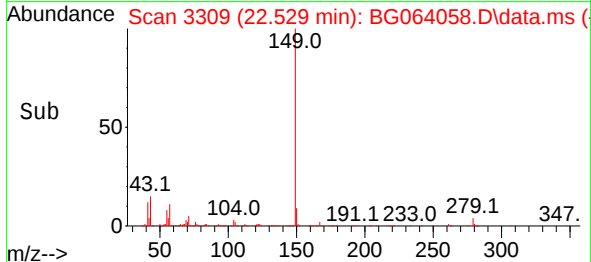
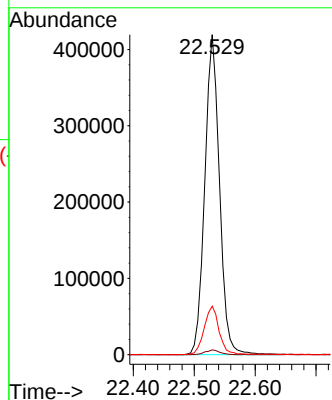
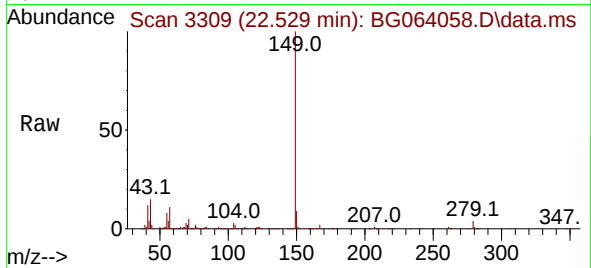




#85  
Di-n-octyl phthalate  
Concen: 43.833 ng  
RT: 22.529 min Scan# 3309  
Delta R.T. -0.001 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

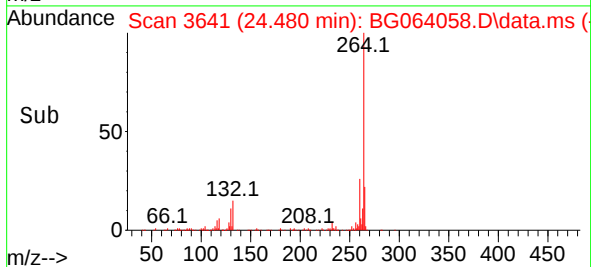
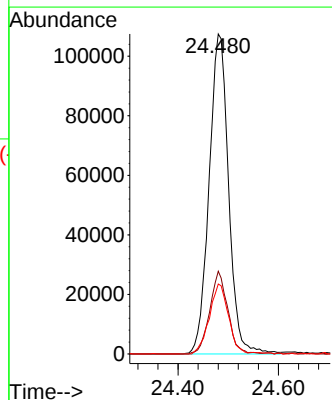
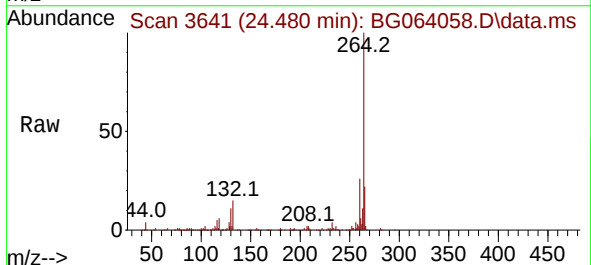
Instrument :  
BNA\_G  
ClientSampleId :  
PB167031BS

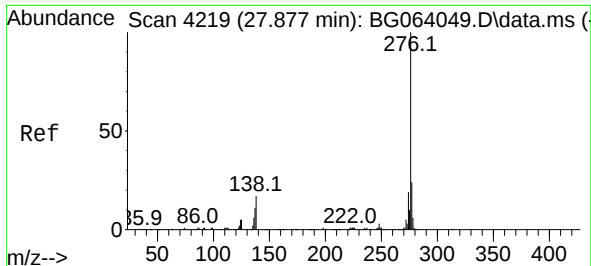
Tgt Ion:149 Resp: 703025  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 15.5 12.6 19.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.480 min Scan# 3641  
Delta R.T. 0.005 min  
Lab File: BG064058.D  
Acq: 7 Mar 2025 14:18

Tgt Ion:264 Resp: 290005  
Ion Ratio Lower Upper  
264 100  
260 25.9 19.6 29.4  
265 21.9 16.6 25.0

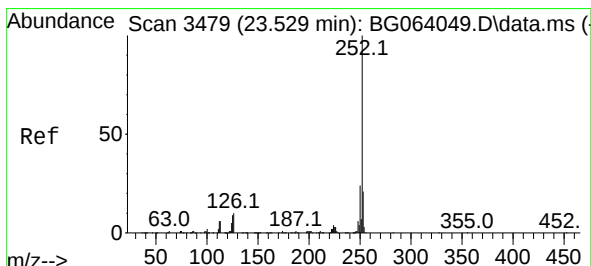
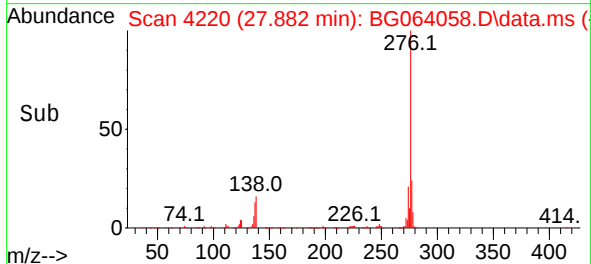
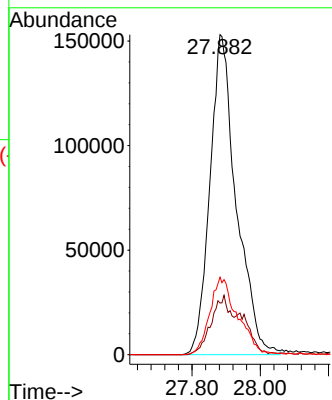
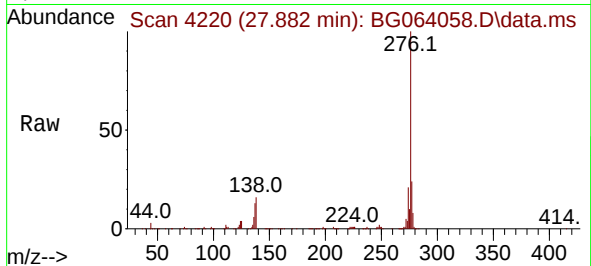




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.356 ng  
 RT: 27.882 min Scan# 41  
 Delta R.T. 0.005 min  
 Lab File: BG064058.D  
 Acq: 7 Mar 2025 14:18

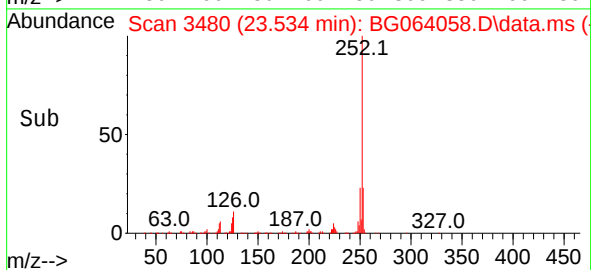
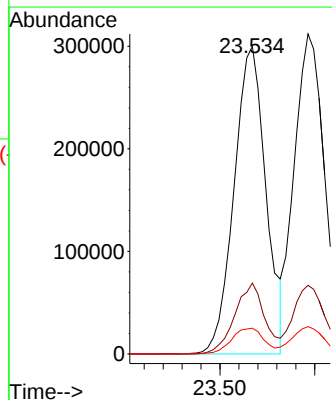
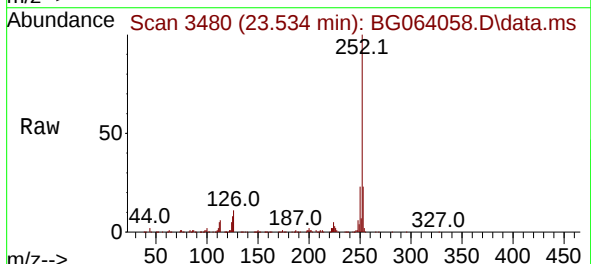
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB167031BS

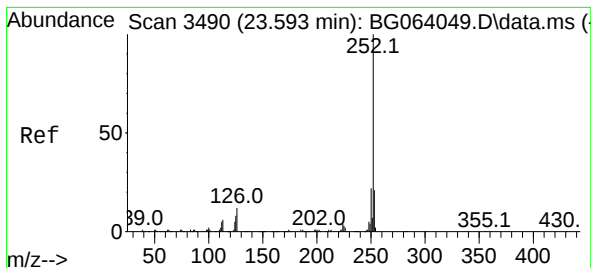
Tgt Ion:276 Resp: 821866  
 Ion Ratio Lower Upper  
 276 100  
 138 13.8 12.1 18.1  
 277 25.4 20.0 30.0



#88  
 Benzo(b)fluoranthene  
 Concen: 39.889 ng  
 RT: 23.534 min Scan# 3480  
 Delta R.T. 0.005 min  
 Lab File: BG064058.D  
 Acq: 7 Mar 2025 14:18

Tgt Ion:252 Resp: 699323  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 17.0 25.4  
 125 8.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 39.618 ng

RT: 23.593 min Scan# 3490

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

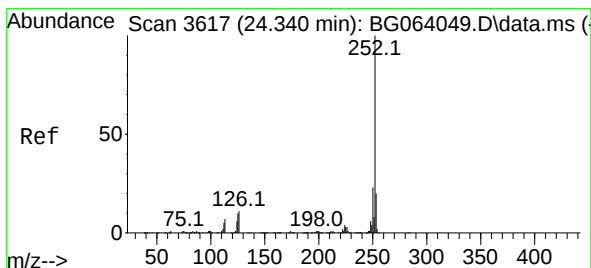
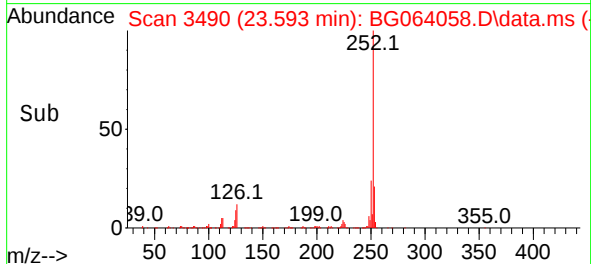
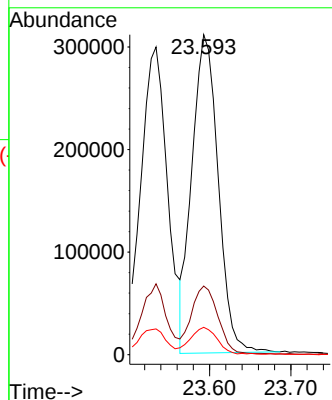
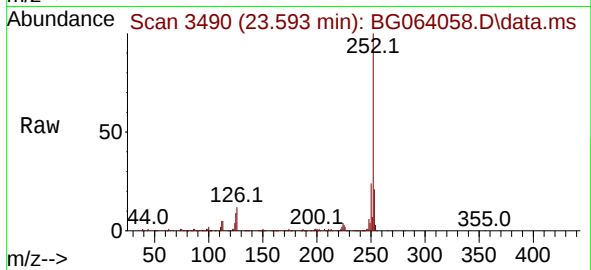
Tgt Ion:252 Resp: 696807

Ion Ratio Lower Upper

252 100

253 21.5 16.8 25.2

125 8.6 6.9 10.3



#90

Benzo(a)pyrene

Concen: 43.098 ng

RT: 24.345 min Scan# 3618

Delta R.T. 0.005 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

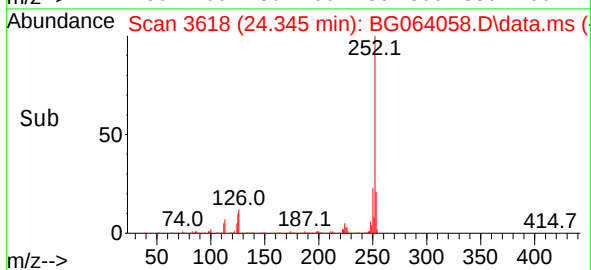
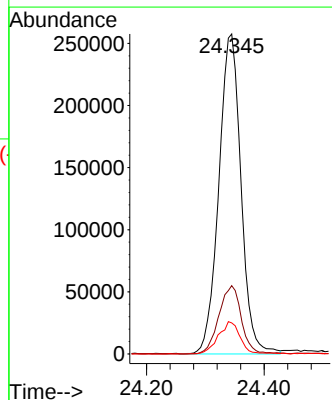
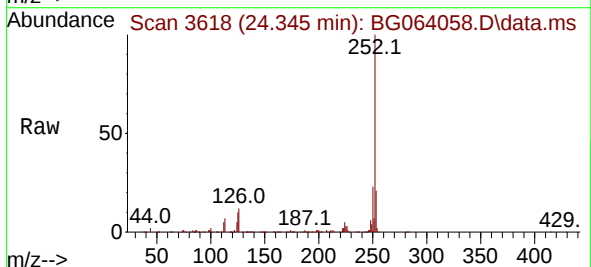
Tgt Ion:252 Resp: 672920

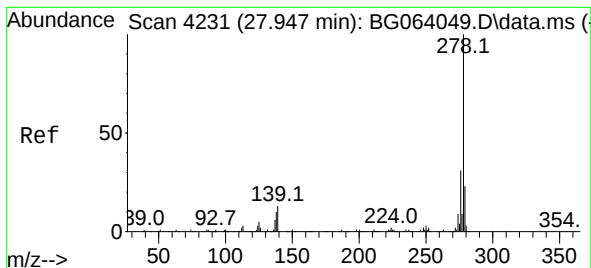
Ion Ratio Lower Upper

252 100

253 21.4 16.2 24.2

125 9.7 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 42.571 ng

RT: 27.947 min Scan# 41

Delta R.T. -0.000 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Instrument :

BNA\_G

ClientSampleId :

PB167031BS

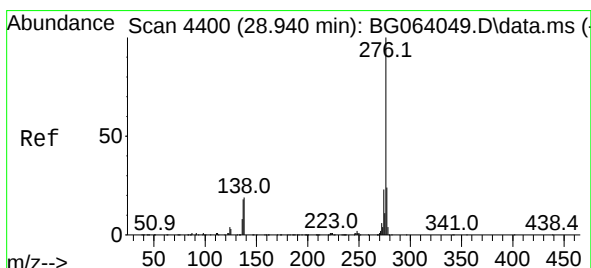
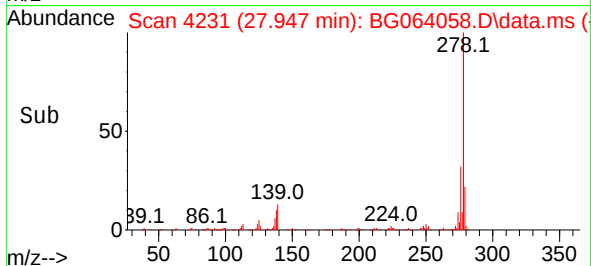
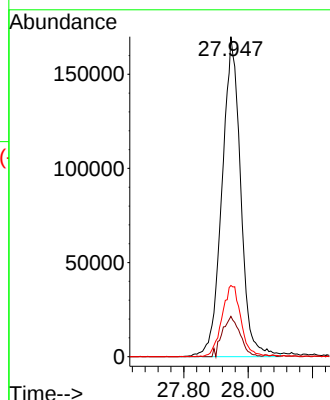
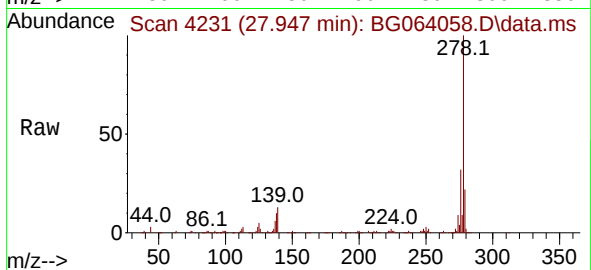
Tgt Ion:278 Resp: 684817

Ion Ratio Lower Upper

278 100

139 12.6 10.2 15.2

279 22.2 18.1 27.1



#92

Benzo(g,h,i)perylene

Concen: 38.651 ng

RT: 28.951 min Scan# 4402

Delta R.T. 0.011 min

Lab File: BG064058.D

Acq: 7 Mar 2025 14:18

Tgt Ion:276 Resp: 638368

Ion Ratio Lower Upper

276 100

277 25.4 19.5 29.3

138 17.2 15.4 23.0

