

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
 Data File : BM044766.D  
 Acq On : 26 Mar 2024 13:29  
 Operator : MA/JU  
 Sample : PB159773BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB159773BS

Quant Time: Mar 26 13:56:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 02:28:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 192425   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.469 | 136  | 796607   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.339 | 164  | 448045   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.092 | 188  | 912497   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.297 | 240  | 777184   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.539 | 264  | 724855   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.304  | 112  | 1915244  | 142.906 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.875  | 99   | 2403606  | 139.405 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.851  | 82   | 1460890  | 88.349  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.839 | 330  | 770273   | 155.870 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.951 | 172  | 2856407  | 87.801  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.739 | 244  | 4030768  | 90.728  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.275  | 88   | 171571   | 30.457  | ng    | 96       |
| 3) Pyridine                   | 3.663  | 79   | 452583   | 29.052  | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 310943   | 49.806  | ng    | 81       |
| 6) Aniline                    | 7.028  | 93   | 405522   | 19.858  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.257  | 128  | 684709   | 51.293  | ng    | 99       |
| 9) Benzaldehyde               | 6.846  | 77   | 73474    | 8.136   | ng    | 98       |
| 10) Phenol                    | 6.904  | 94   | 860494   | 49.972  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.128  | 93   | 626973   | 44.595  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.575  | 146  | 667433   | 46.500  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.722  | 146  | 686537   | 47.458  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.034  | 146  | 664120   | 48.139  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.940  | 79   | 595318   | 52.518  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.204  | 45   | 910900   | 46.730  | ng    | 98       |
| 17) 2-Methylphenol            | 8.134  | 107  | 563535   | 47.986  | ng    | 97       |
| 18) Hexachloroethane          | 8.739  | 117  | 265186   | 49.586  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 8.504  | 70   | 483607   | 45.928  | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.463  | 107  | 771192   | 48.662  | ng    | 97       |
| 22) Acetophenone              | 8.516  | 105  | 956050   | 45.682  | ng    | # 96     |
| 24) Nitrobenzene              | 8.892  | 77   | 726355   | 44.438  | ng    | 99       |
| 25) Isophorone                | 9.416  | 82   | 1344712  | 47.133  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.592  | 139  | 367359   | 52.084  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.657  | 122  | 503262   | 40.574  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 9.898  | 93   | 814154   | 42.973  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 608354   | 51.461  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.334 | 180  | 598227   | 47.568  | ng    | 99       |
| 31) Naphthalene               | 10.516 | 128  | 1939679  | 44.367  | ng    | 99       |
| 32) Benzoic acid              | 9.839  | 122  | 467579   | 47.293  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.645 | 127  | 347353   | 18.939  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.781 | 225  | 337925   | 48.192  | ng    | 99       |
| 35) Caprolactam               | 11.469 | 113  | 151878   | 39.828  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.775 | 107  | 650954   | 50.181  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.139 | 142  | 1287055  | 43.375  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.357 | 142  | 1221593  | 44.173  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.510 | 216  | 615320   | 48.395  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.469 | 237  | 574027   | 79.249  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.763 | 196  | 453843   | 52.862  | ng    | 99       |

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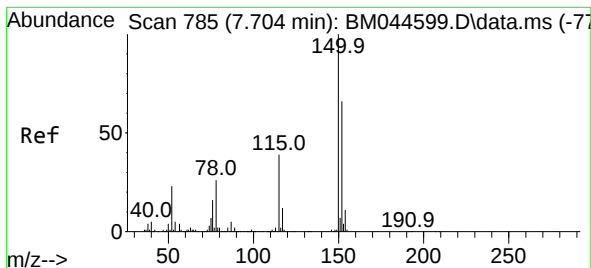
Quant Time: Mar 26 13:56:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 02:28:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.839 | 196  | 481839   | 47.365  | ng    | # 96     |
| 46) 1,1'-Biphenyl             | 13.163 | 154  | 1610322  | 45.954  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.204 | 162  | 1244543  | 48.028  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.427 | 65   | 452538   | 51.470  | ng    | 99       |
| 49) Acenaphthylene            | 14.057 | 152  | 2099775  | 49.743  | ng    | 100      |
| 50) Dimethylphthalate         | 13.810 | 163  | 1568457  | 46.802  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.939 | 165  | 352008   | 50.440  | ng    | 97       |
| 52) Acenaphthene              | 14.404 | 154  | 1164314  | 45.628  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.263 | 138  | 307519   | 37.631  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.480 | 184  | 419461   | 91.199  | ng    | 95       |
| 55) Dibenzofuran              | 14.739 | 168  | 1861394  | 45.961  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.586 | 139  | 696332   | 103.753 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.727 | 165  | 483095   | 52.978  | ng    | # 90     |
| 58) Fluorene                  | 15.392 | 166  | 1468030  | 46.548  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.969 | 232  | 393739   | 49.852  | ng    | 100      |
| 60) Diethylphthalate          | 15.180 | 149  | 1589049  | 46.840  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.392 | 204  | 693943   | 45.834  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.439 | 138  | 378564   | 46.375  | ng    | 90       |
| 63) Azobenzene                | 15.686 | 77   | 1601408  | 45.666  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 265166   | 46.337  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.616 | 169  | 1280827  | 45.038  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.286 | 248  | 423166   | 44.834  | ng    | 95       |
| 68) Hexachlorobenzene         | 16.392 | 284  | 499414   | 49.777  | ng    | 95       |
| 69) Atrazine                  | 16.580 | 200  | 353255   | 39.751  | ng    | 98       |
| 70) Pentachlorophenol         | 16.745 | 266  | 669114   | 92.715  | ng    | 98       |
| 71) Phenanthrene              | 17.139 | 178  | 2292365  | 45.459  | ng    | 100      |
| 72) Anthracene                | 17.227 | 178  | 2288718  | 45.254  | ng    | 100      |
| 73) Carbazole                 | 17.510 | 167  | 2264619  | 47.543  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.074 | 149  | 2764147  | 45.035  | ng    | 99       |
| 75) Fluoranthene              | 19.162 | 202  | 2619154  | 46.464  | ng    | 98       |
| 77) Benzidine                 | 19.356 | 184  | 567486   | 28.252  | ng    | 98       |
| 78) Pyrene                    | 19.527 | 202  | 2751087  | 48.297  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.439 | 149  | 1289644  | 50.236  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.280 | 228  | 2556601  | 47.278  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.221 | 252  | 766299   | 41.145  | ng    | 99       |
| 83) Chrysene                  | 21.333 | 228  | 2356955  | 45.613  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 1731478  | 44.770  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.109 | 149  | 2992084  | 44.601  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.821 | 276  | 2465262  | 47.047  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 22.868 | 252  | 2354823  | 55.280  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.915 | 252  | 2209645  | 50.458  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.444 | 252  | 2050209  | 49.345  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 25.838 | 278  | 2064512  | 46.734  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 26.515 | 276  | 1982439  | 45.588  | ng    | 96       |

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

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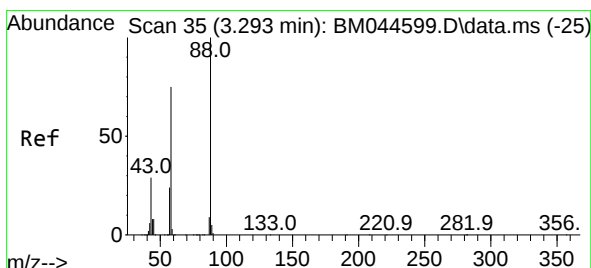
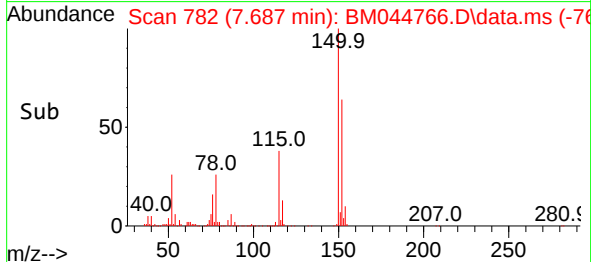
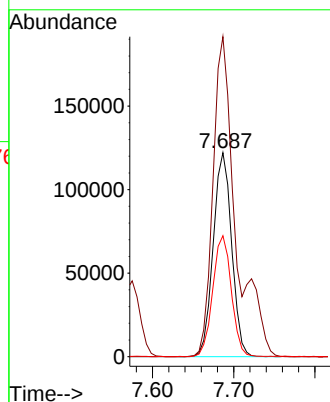
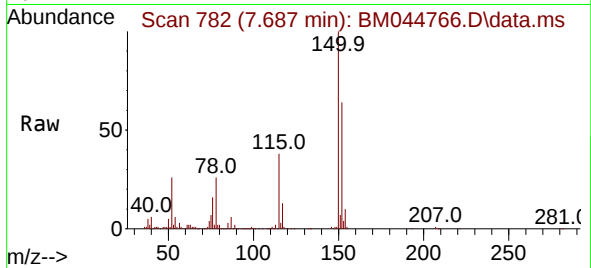




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.687 min Scan# 71  
 Delta R.T. -0.017 min  
 Lab File: BM044766.D  
 Acq: 26 Mar 2024 13:29

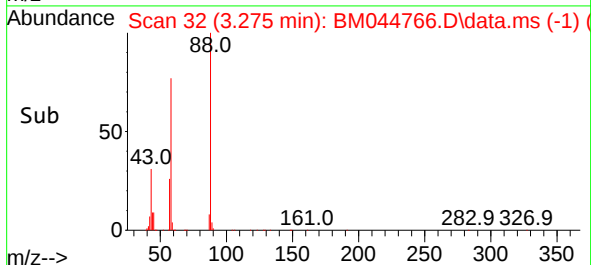
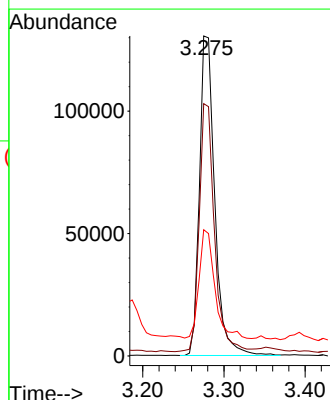
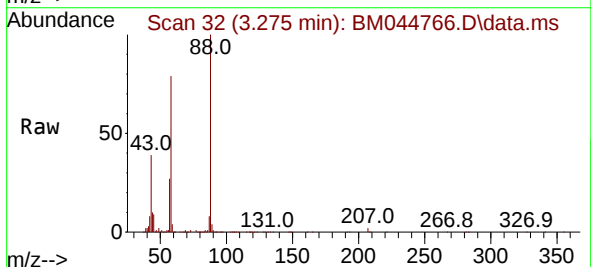
Instrument :  
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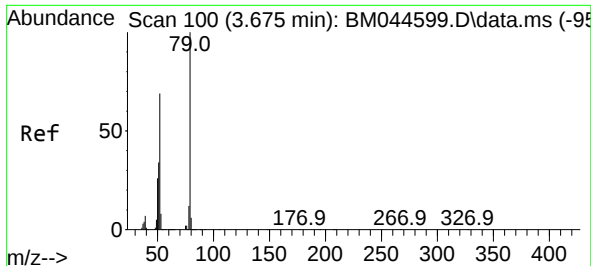
Tgt Ion:152 Resp: 192425  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 121.9 182.9  
 115 59.3 47.1 70.7



#2  
 1,4-Dioxane  
 Concen: 30.457 ng  
 RT: 3.275 min Scan# 32  
 Delta R.T. -0.018 min  
 Lab File: BM044766.D  
 Acq: 26 Mar 2024 13:29

Tgt Ion: 88 Resp: 171571  
 Ion Ratio Lower Upper  
 88 100  
 58 76.9 60.2 90.2  
 43 34.7 23.5 35.3

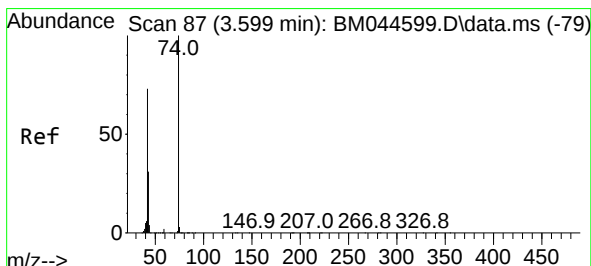
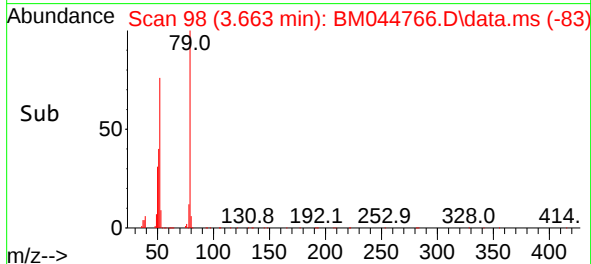
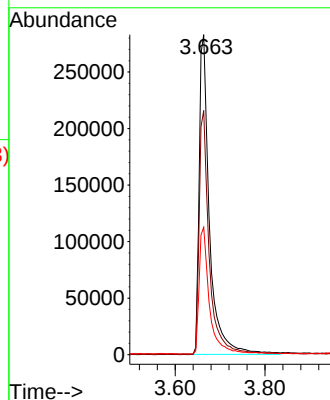
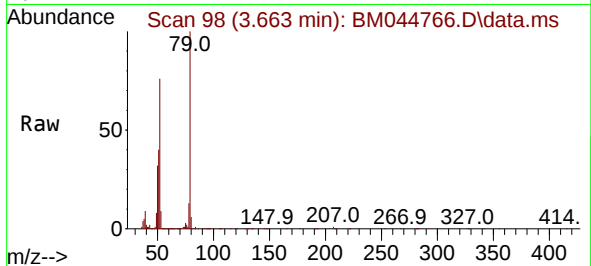




#3  
 Pyridine  
 Concen: 29.052 ng  
 RT: 3.663 min Scan# 91  
 Delta R.T. -0.012 min  
 Lab File: BM044766.D  
 Acq: 26 Mar 2024 13:29

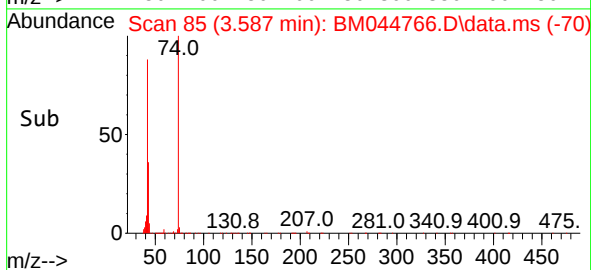
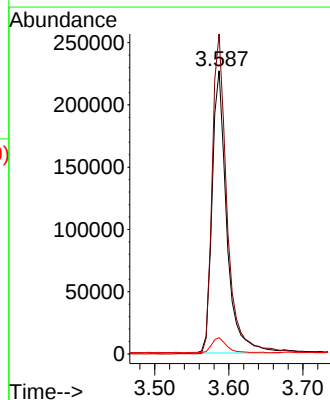
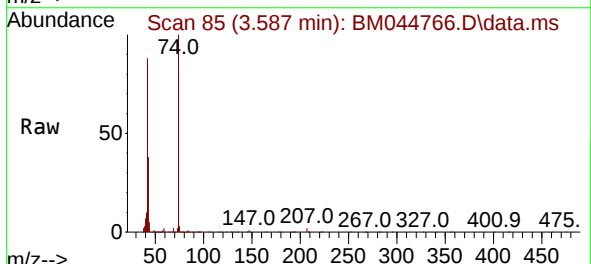
Instrument :  
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 ClientSampleId :  
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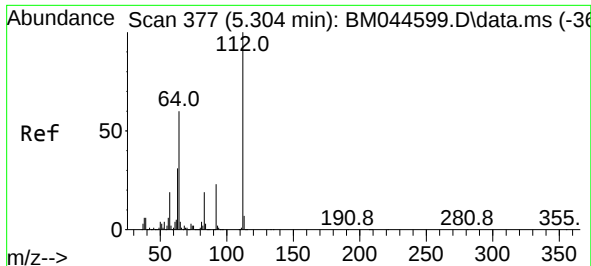
Tgt Ion: 79 Resp: 452583  
 Ion Ratio Lower Upper  
 79 100  
 52 76.3 55.5 83.3  
 51 39.8 27.7 41.5



#4  
 n-Nitrosodimethylamine  
 Concen: 49.806 ng  
 RT: 3.587 min Scan# 85  
 Delta R.T. -0.012 min  
 Lab File: BM044766.D  
 Acq: 26 Mar 2024 13:29

Tgt Ion: 42 Resp: 310943  
 Ion Ratio Lower Upper  
 42 100  
 74 113.0 109.7 164.5  
 44 5.8 5.4 8.0

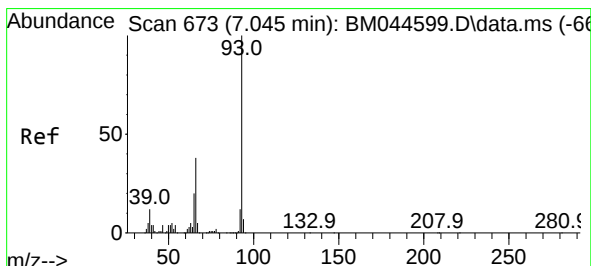
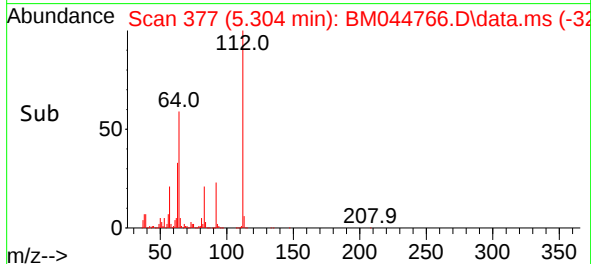
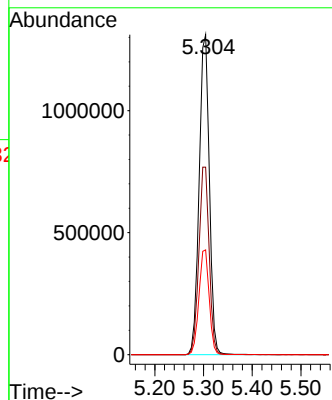
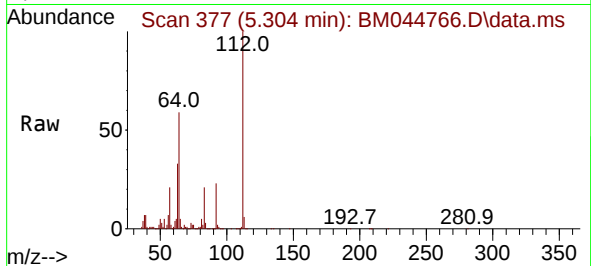




#5  
2-Fluorophenol  
Concen: 142.906 ng  
RT: 5.304 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

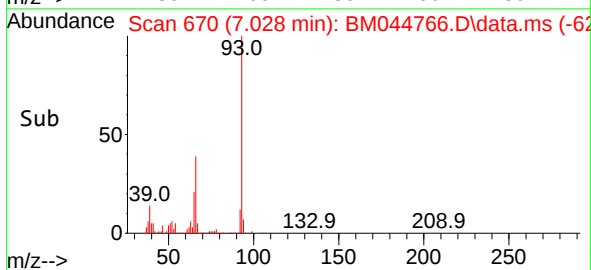
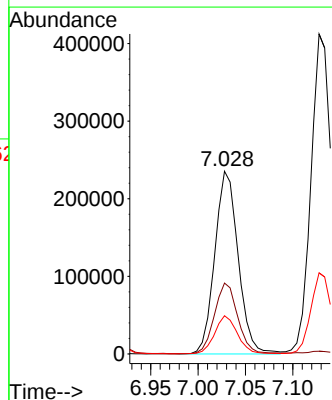
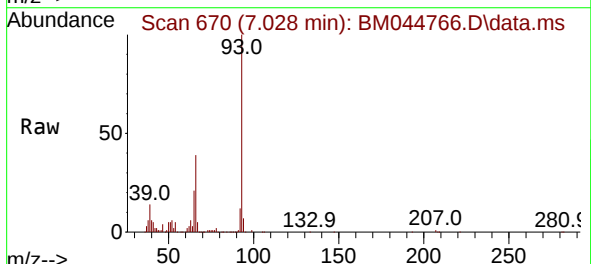
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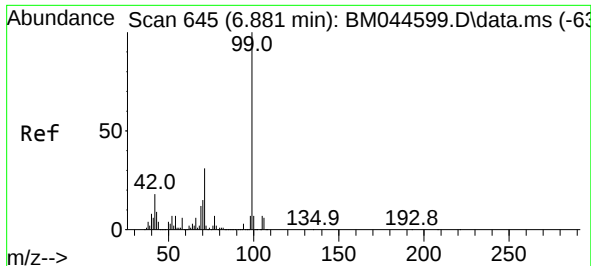
Tgt Ion:112 Resp: 1915244  
Ion Ratio Lower Upper  
112 100  
64 58.6 47.9 71.9  
63 32.7 25.0 37.4



#6  
Aniline  
Concen: 19.858 ng  
RT: 7.028 min Scan# 670  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 93 Resp: 405522  
Ion Ratio Lower Upper  
93 100  
66 38.8 30.3 45.5  
65 20.9 15.7 23.5

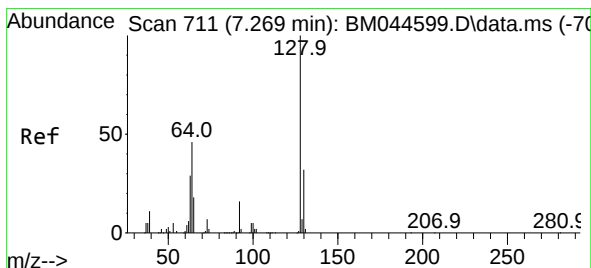
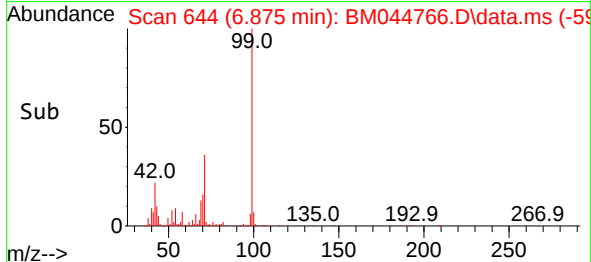
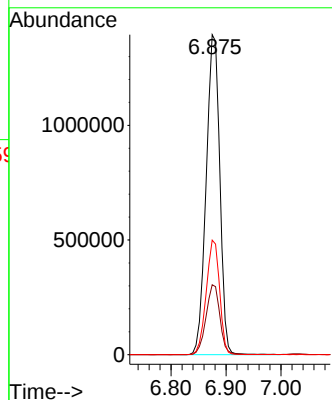
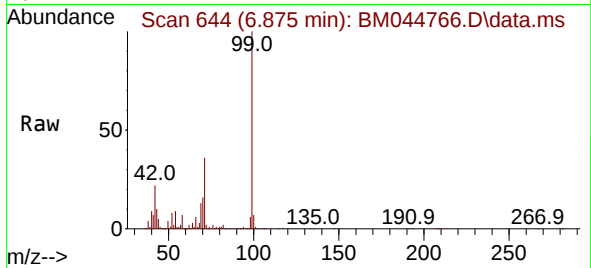




#7  
Phenol-d6  
Concen: 139.405 ng  
RT: 6.875 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

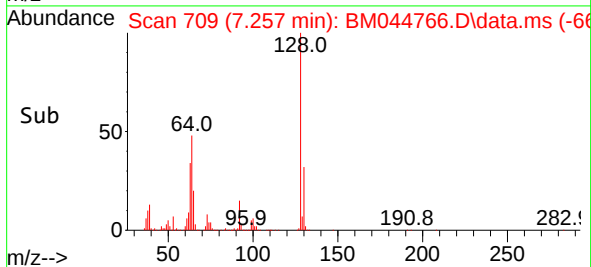
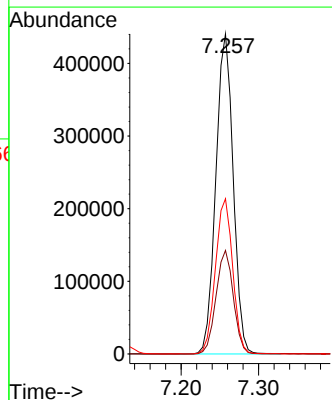
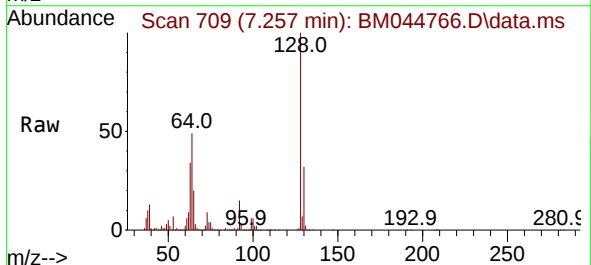
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ClientSampleId :  
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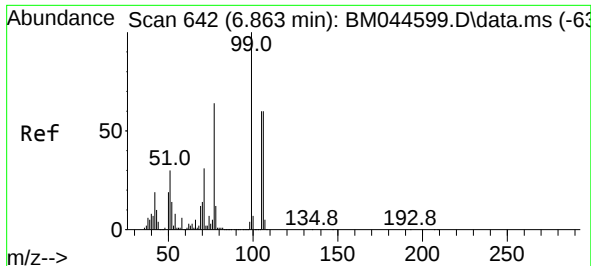
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Ion Ratio Lower Upper  
99 100  
42 21.9 14.3 21.5#  
71 35.8 24.5 36.7



#8  
2-Chlorophenol  
Concen: 51.293 ng  
RT: 7.257 min Scan# 709  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 128 Resp: 684709  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.4 52.4  
64 48.5 29.4 69.4

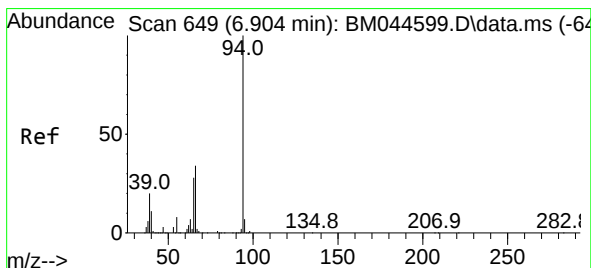
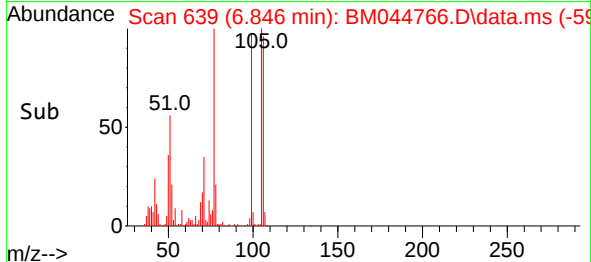
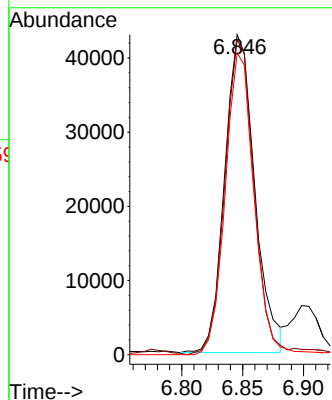
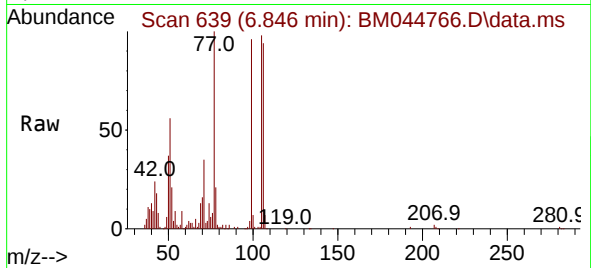




#9  
Benzaldehyde  
Concen: 8.136 ng  
RT: 6.846 min Scan# 611  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

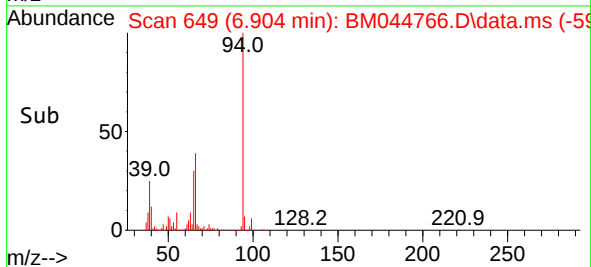
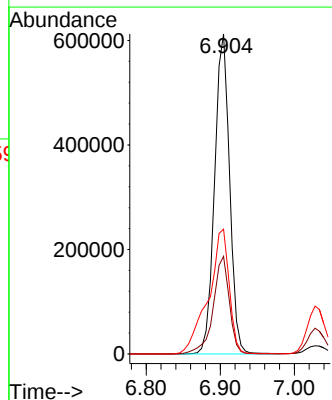
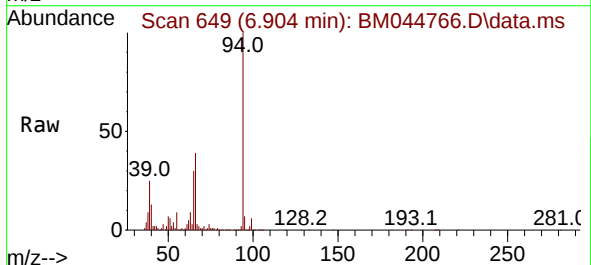
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

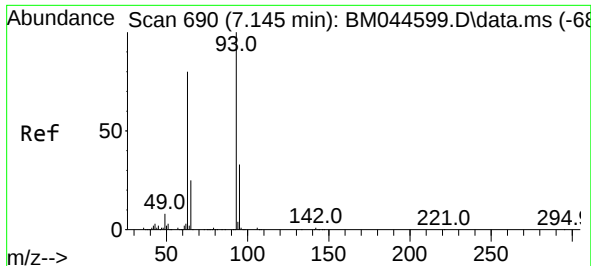
Tgt Ion: 77 Resp: 73474  
Ion Ratio Lower Upper  
77 100  
105 98.4 74.4 114.4  
106 94.4 74.1 114.1



#10  
Phenol  
Concen: 49.972 ng  
RT: 6.904 min Scan# 649  
Delta R.T. 0.000 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 94 Resp: 860494  
Ion Ratio Lower Upper  
94 100  
65 30.5 7.9 47.9  
66 39.0 14.7 54.7

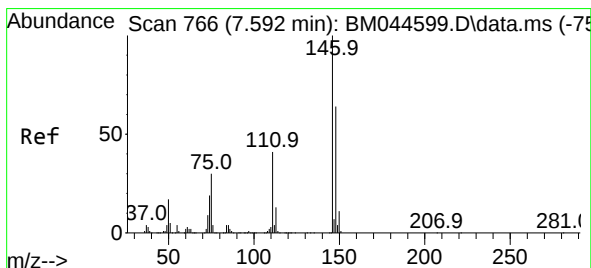
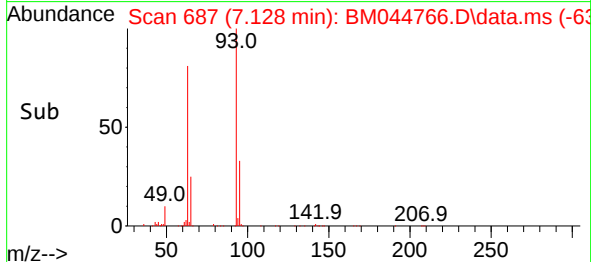
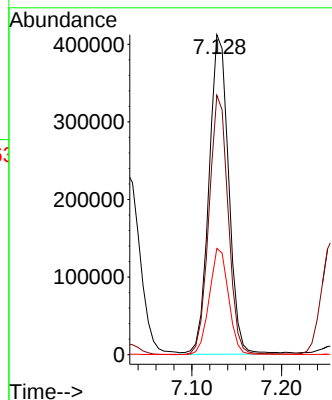
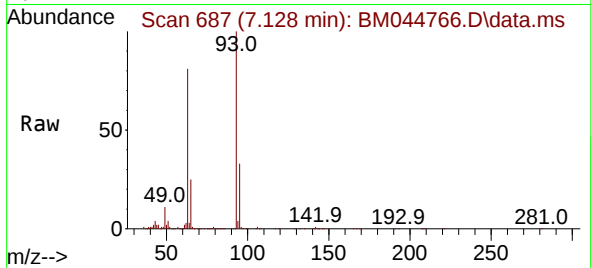




#11  
bis(2-Chloroethyl)ether  
Concen: 44.595 ng  
RT: 7.128 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

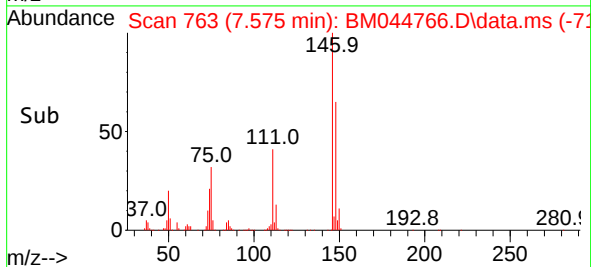
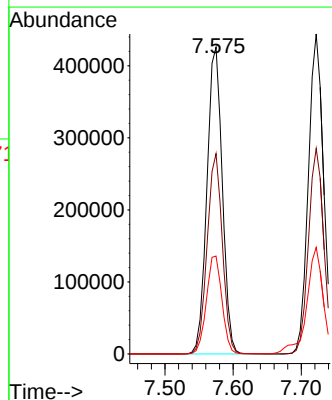
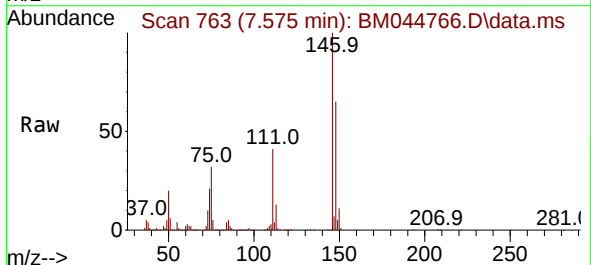
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

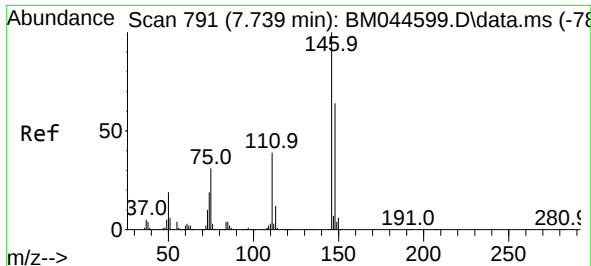
Tgt Ion: 93 Resp: 626973  
Ion Ratio Lower Upper  
93 100  
63 81.0 59.8 99.8  
95 33.2 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 46.500 ng  
RT: 7.575 min Scan# 763  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 146 Resp: 667433  
Ion Ratio Lower Upper  
146 100  
148 65.3 50.9 76.3  
75 31.9 24.1 36.1

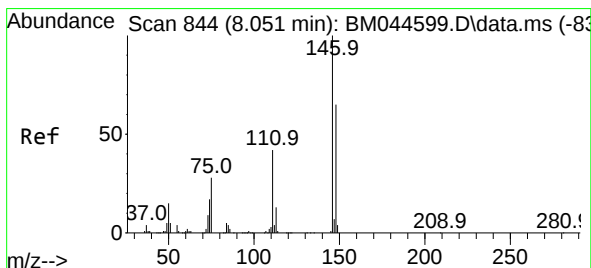
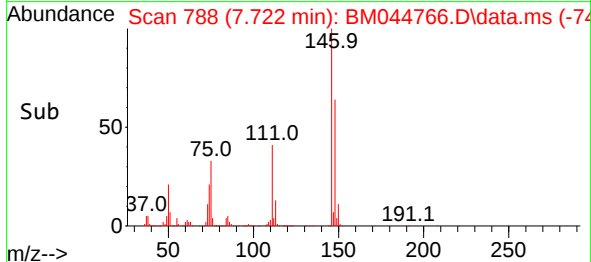
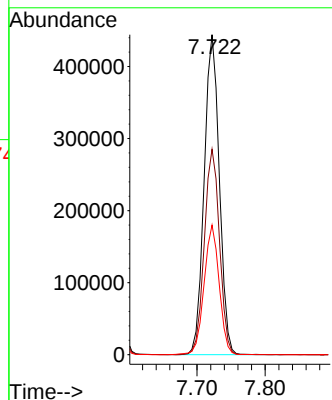
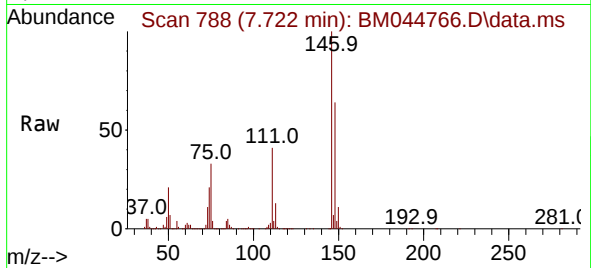




#13  
1,4-Dichlorobenzene  
Concen: 47.458 ng  
RT: 7.722 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

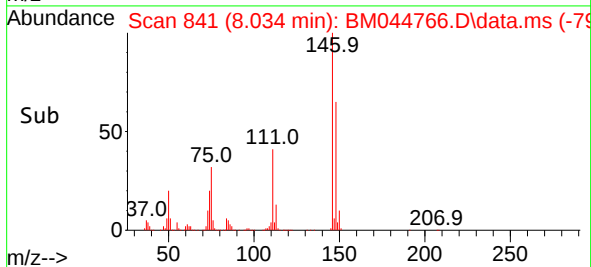
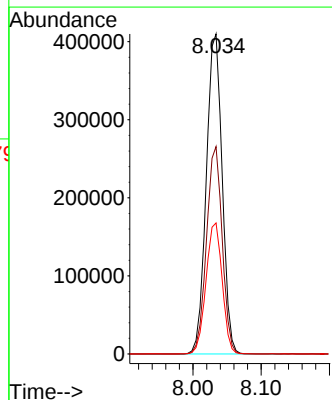
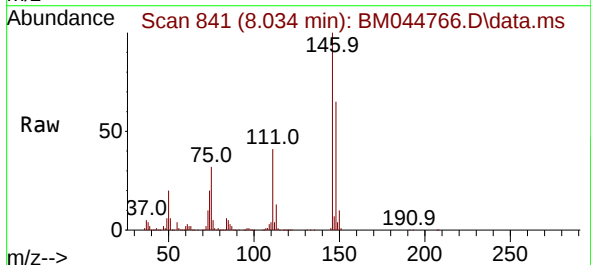
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

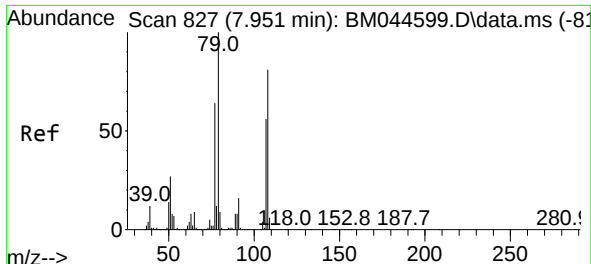
Tgt Ion:146 Resp: 686537  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.5 77.3  
111 40.5 31.4 47.2



#14  
1,2-Dichlorobenzene  
Concen: 48.139 ng  
RT: 8.034 min Scan# 841  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:146 Resp: 664120  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.8 77.8  
111 41.0 33.4 50.2

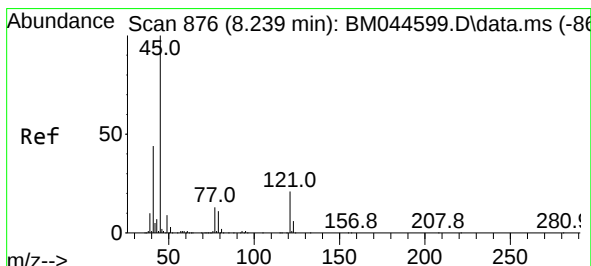
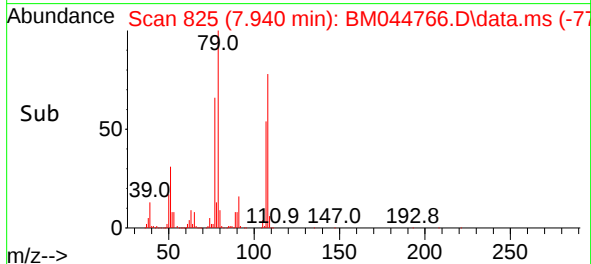
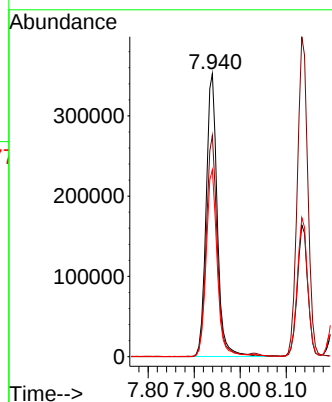
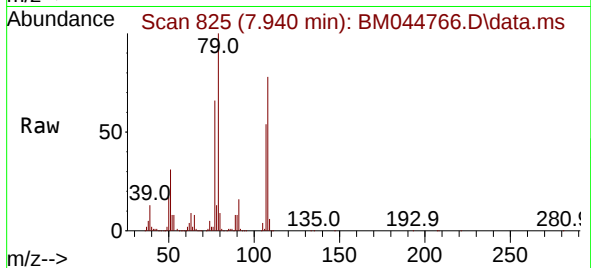




#15  
Benzyl Alcohol  
Concen: 52.518 ng  
RT: 7.940 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

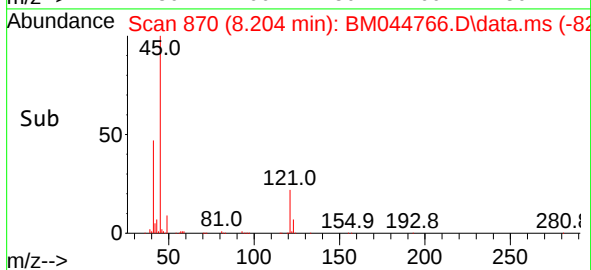
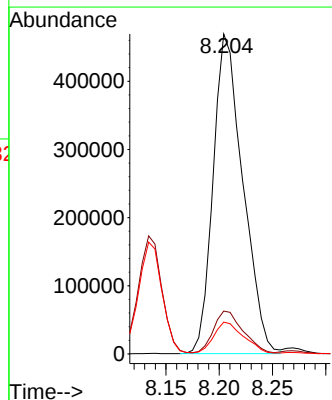
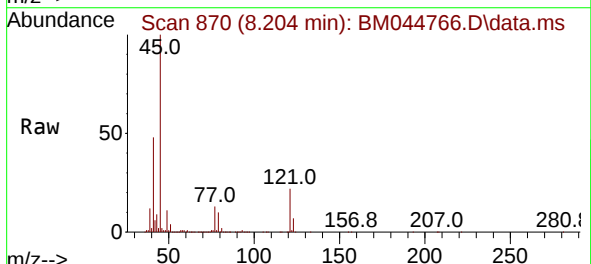
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

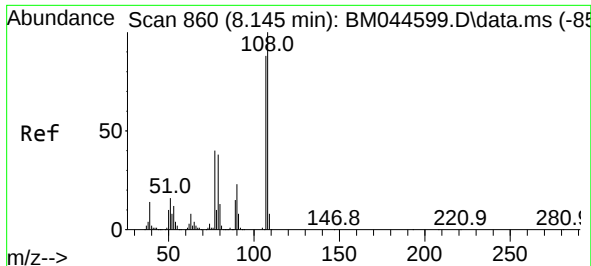
Tgt Ion: 79 Resp: 595318  
Ion Ratio Lower Upper  
79 100  
108 78.1 65.0 97.6  
77 66.0 51.7 77.5



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 46.730 ng  
RT: 8.204 min Scan# 870  
Delta R.T. -0.035 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 45 Resp: 910900  
Ion Ratio Lower Upper  
45 100  
77 13.4 0.0 33.7  
79 10.0 0.0 31.2

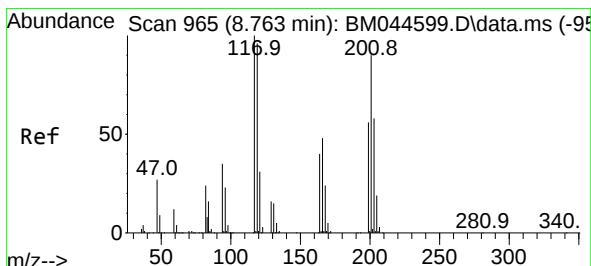
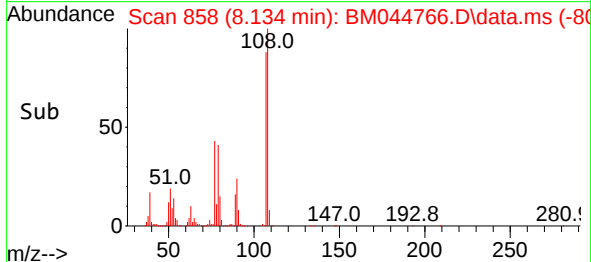
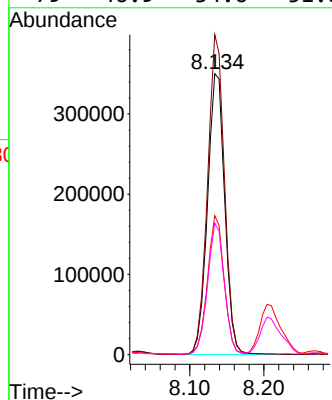
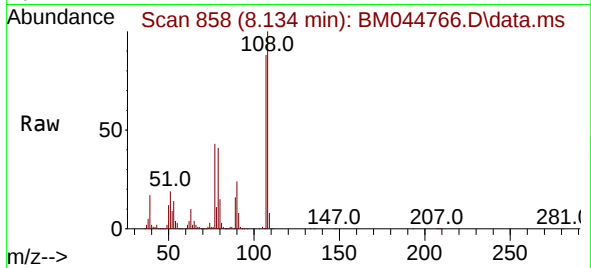




#17  
2-Methylphenol  
Concen: 47.986 ng  
RT: 8.134 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

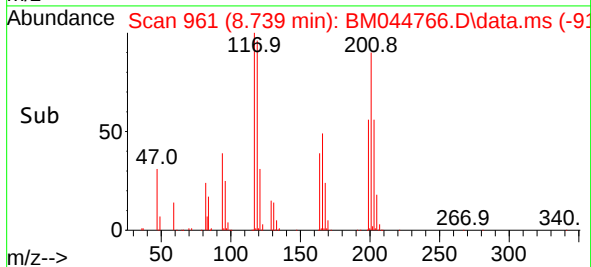
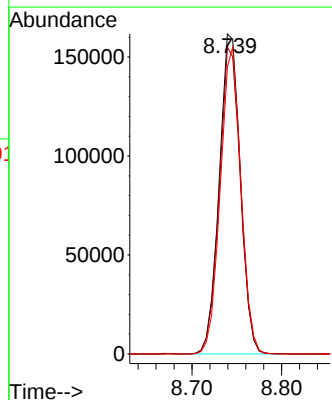
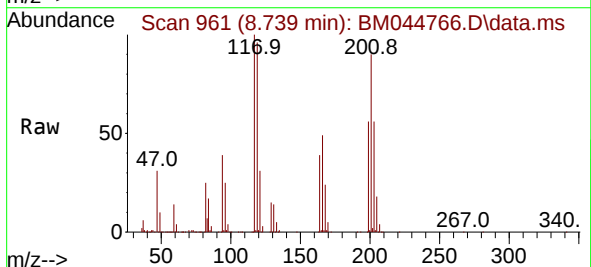
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BNA\_M  
ClientSampleId :  
PB159773BS

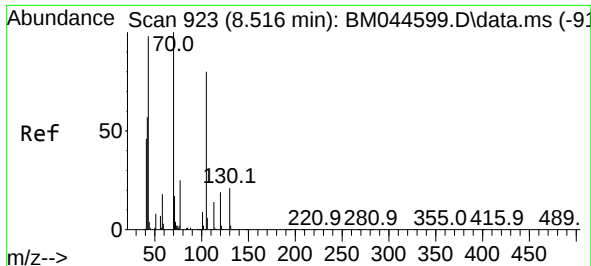
Tgt Ion:107 Resp: 563535  
Ion Ratio Lower Upper  
107 100  
108 113.9 90.7 136.1  
77 49.5 36.2 54.2  
79 46.9 34.6 51.8



#18  
Hexachloroethane  
Concen: 49.586 ng  
RT: 8.739 min Scan# 961  
Delta R.T. -0.023 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:117 Resp: 265186  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.8 115.2  
201 89.7 72.3 108.5

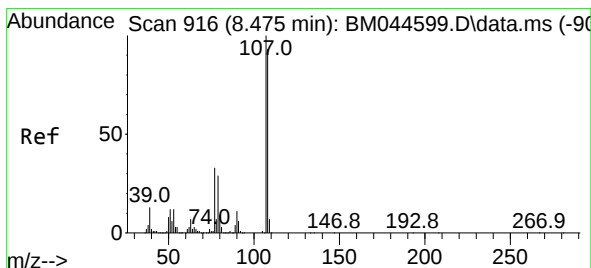
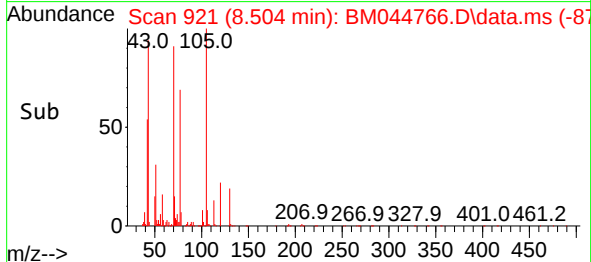
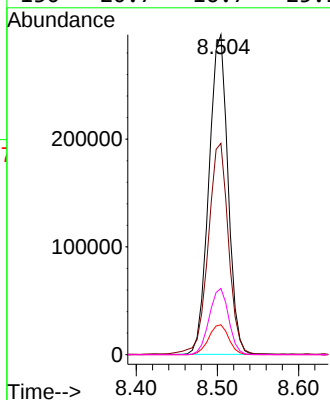
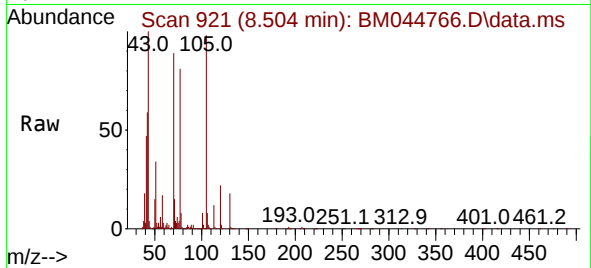




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.928 ng  
RT: 8.504 min Scan# 914  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

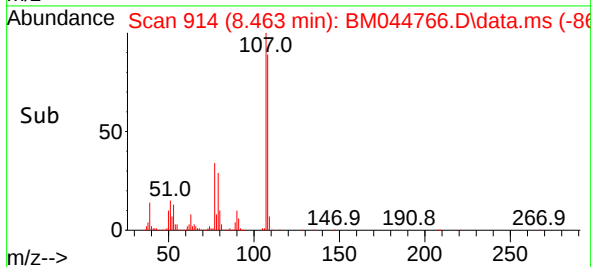
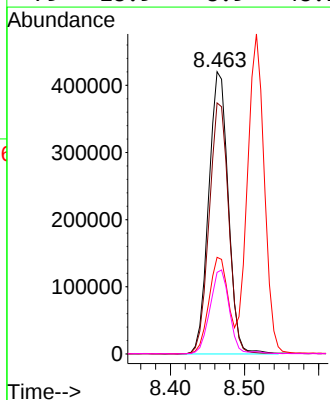
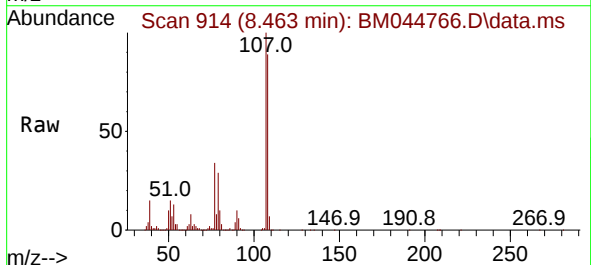
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

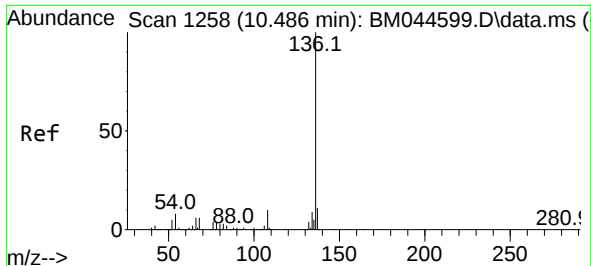
Tgt Ion: 70 Resp: 483607  
Ion Ratio Lower Upper  
70 100  
42 66.1 46.6 69.8  
101 9.4 7.6 11.4  
130 20.7 16.7 25.1



#20  
3+4-Methylphenols  
Concen: 48.662 ng  
RT: 8.463 min Scan# 914  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 107 Resp: 771192  
Ion Ratio Lower Upper  
107 100  
108 88.9 72.7 112.7  
77 34.2 13.3 53.3  
79 28.9 8.9 48.9

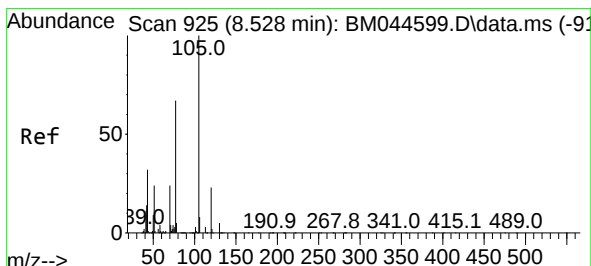
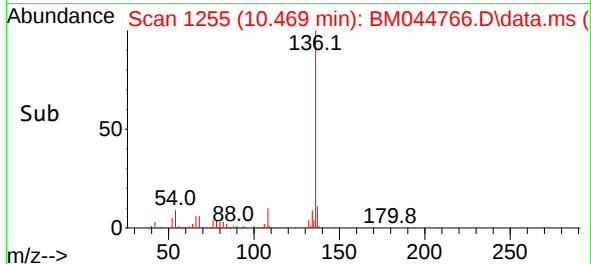
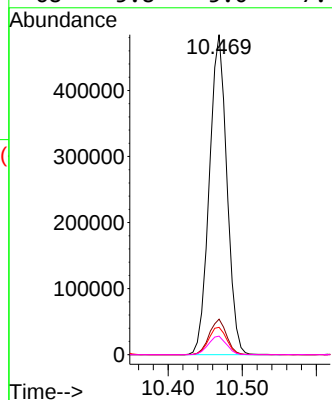
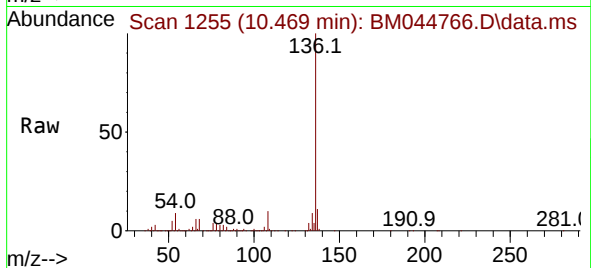




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.469 min Scan# 1255  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

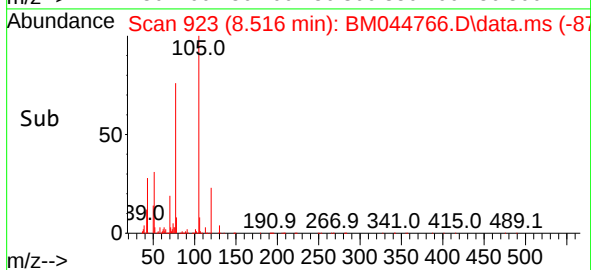
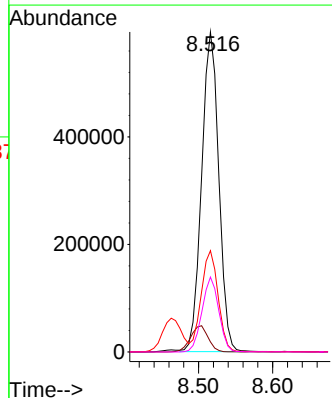
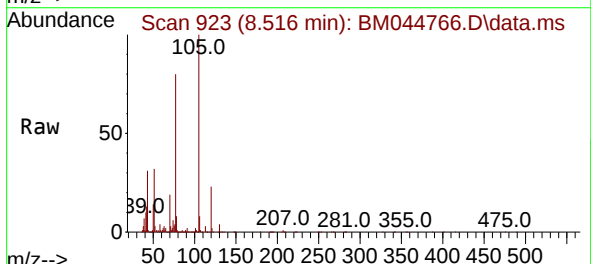
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

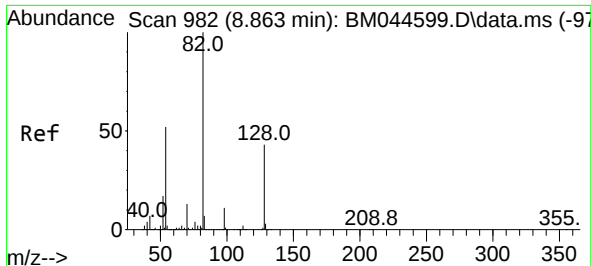
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 796607 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 8.6   | 6.6   | 10.0   |
| 68       | 5.8   | 5.0   | 7.4    |



#22  
Acetophenone  
Concen: 45.682 ng  
RT: 8.516 min Scan# 923  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 956050 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.1   | 3.4   | 5.2#   |
| 51       | 31.7  | 22.2  | 33.4   |
| 120      | 23.4  | 18.6  | 27.8   |

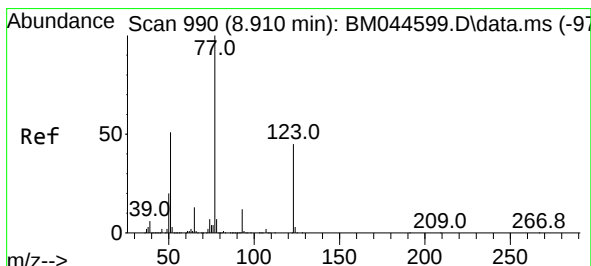
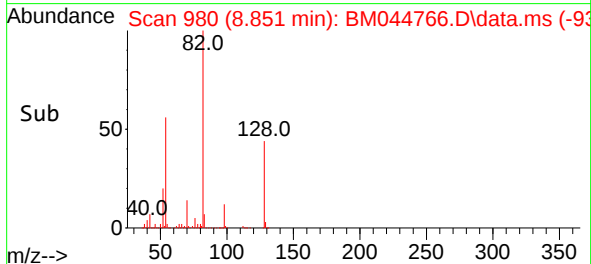
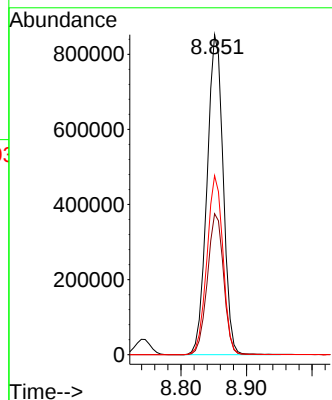
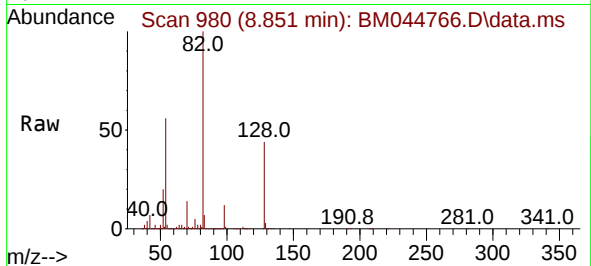




#23  
Nitrobenzene-d5  
Concen: 88.349 ng  
RT: 8.851 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

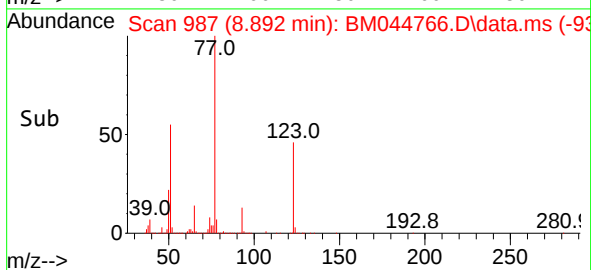
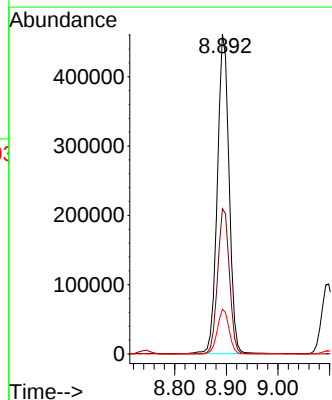
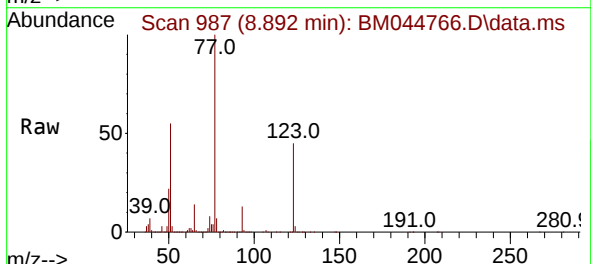
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

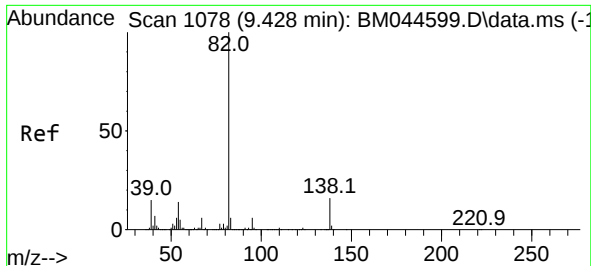
Tgt Ion: 82 Resp: 1460890  
Ion Ratio Lower Upper  
82 100  
128 44.1 34.2 51.4  
54 56.0 41.3 61.9



#24  
Nitrobenzene  
Concen: 44.438 ng  
RT: 8.892 min Scan# 987  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 77 Resp: 726355  
Ion Ratio Lower Upper  
77 100  
123 45.4 35.9 53.9  
65 13.9 10.7 16.1

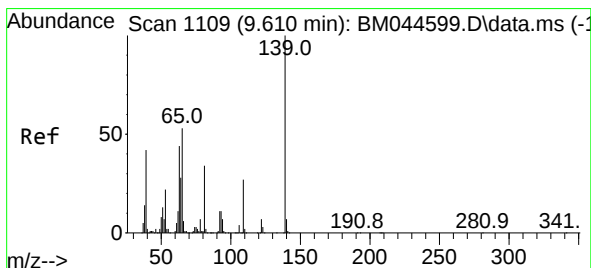
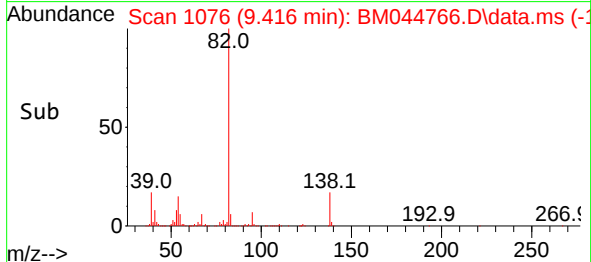
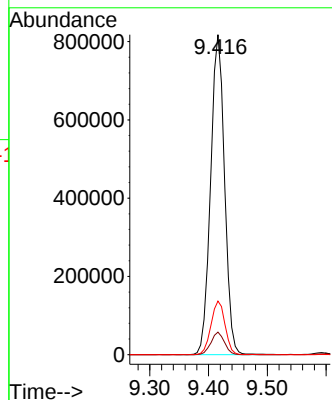
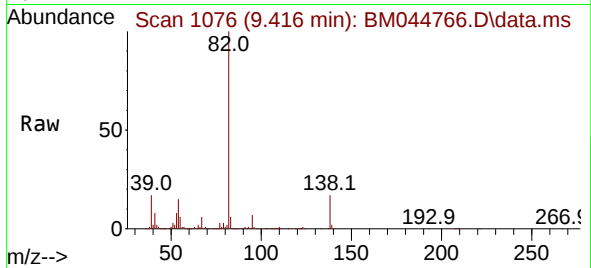




#25  
Isophorone  
Concen: 47.133 ng  
RT: 9.416 min Scan# 1076  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

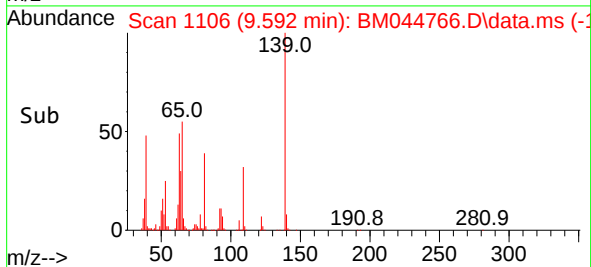
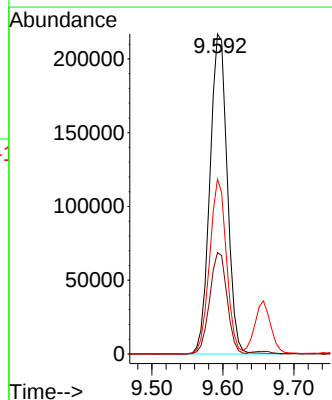
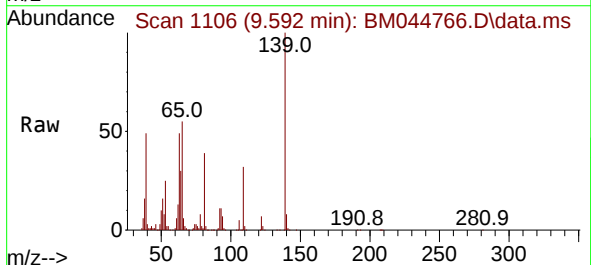
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

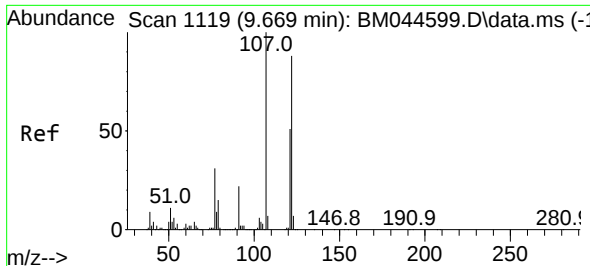
Tgt Ion: 82 Resp: 1344712  
Ion Ratio Lower Upper  
82 100  
95 7.0 4.9 7.3  
138 16.7 12.9 19.3



#26  
2-Nitrophenol  
Concen: 52.084 ng  
RT: 9.592 min Scan# 1106  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 139 Resp: 367359  
Ion Ratio Lower Upper  
139 100  
109 31.7 21.2 31.8  
65 54.6 42.4 63.6

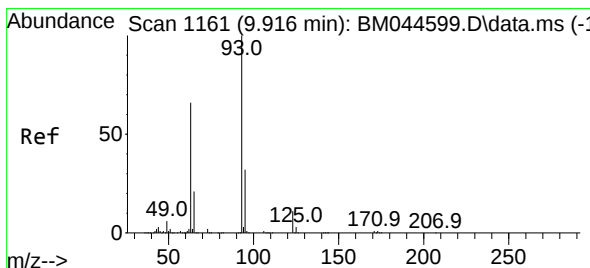
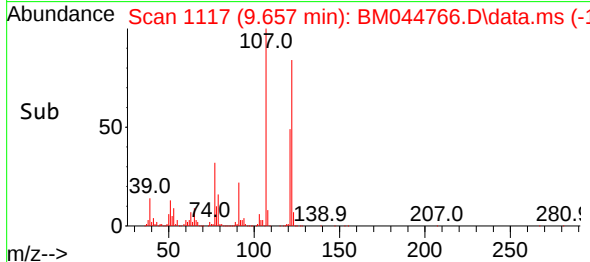
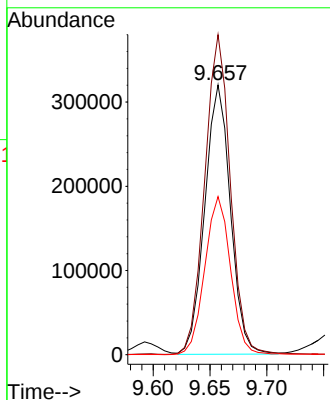
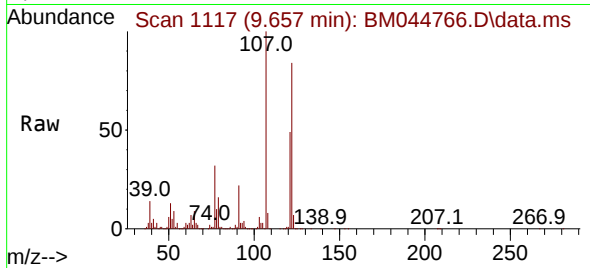




#27  
2,4-Dimethylphenol  
Concen: 40.574 ng  
RT: 9.657 min Scan# 1117  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

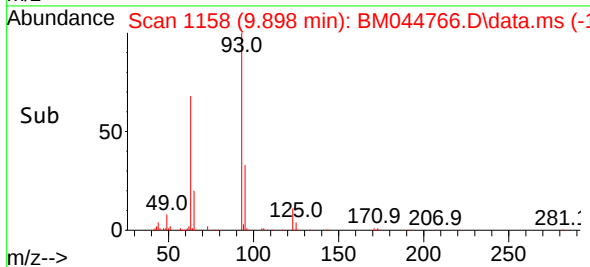
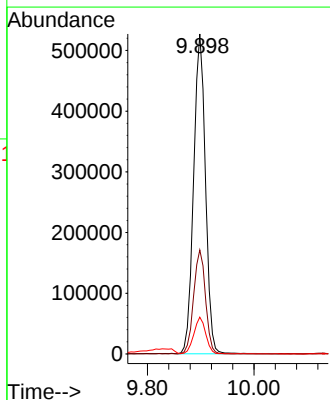
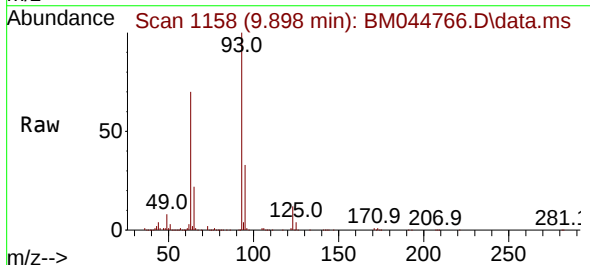
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

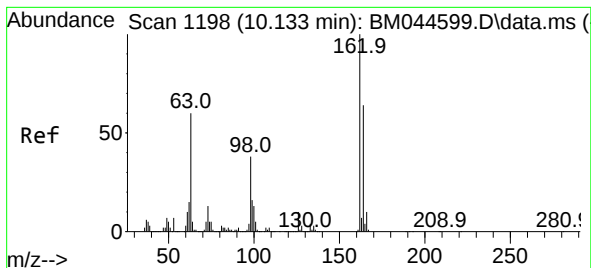
Tgt Ion:122 Resp: 503262  
Ion Ratio Lower Upper  
122 100  
107 118.6 90.5 135.7  
121 58.6 46.2 69.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.973 ng  
RT: 9.898 min Scan# 1158  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion: 93 Resp: 814154  
Ion Ratio Lower Upper  
93 100  
95 32.5 25.8 38.6  
123 11.5 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 51.461 ng

RT: 10.122 min Scan# 1196

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

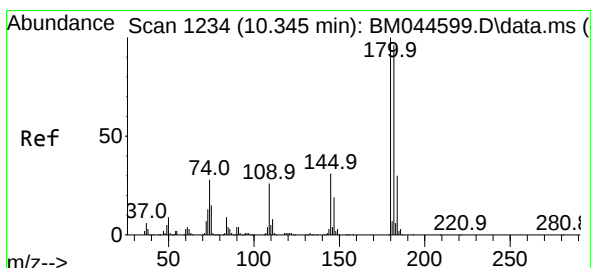
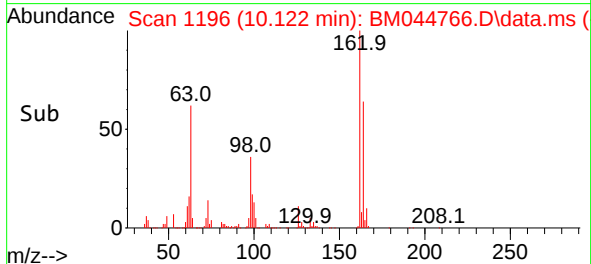
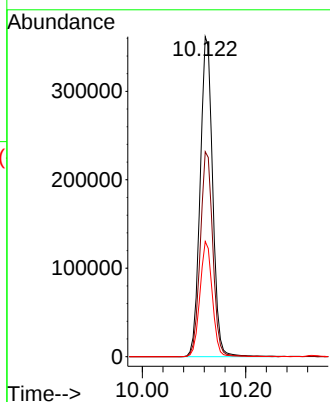
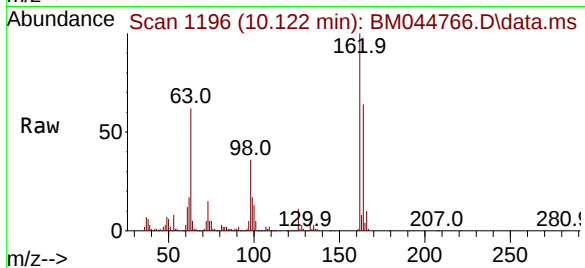
Tgt Ion:162 Resp: 608354

Ion Ratio Lower Upper

162 100

164 64.1 44.1 84.1

98 36.0 18.0 58.0



#30

1,2,4-Trichlorobenzene

Concen: 47.568 ng

RT: 10.334 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

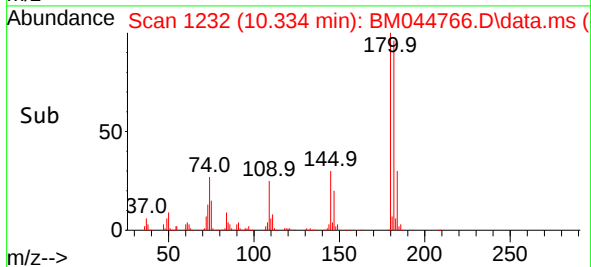
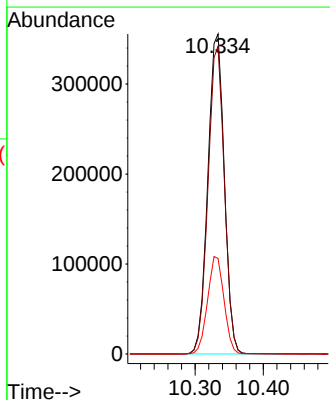
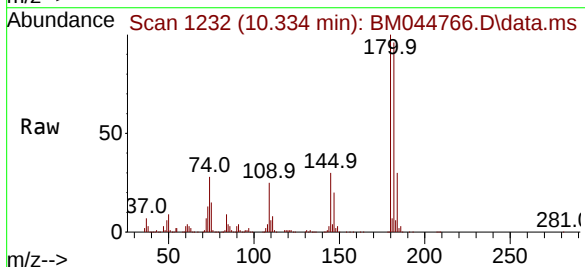
Tgt Ion:180 Resp: 598227

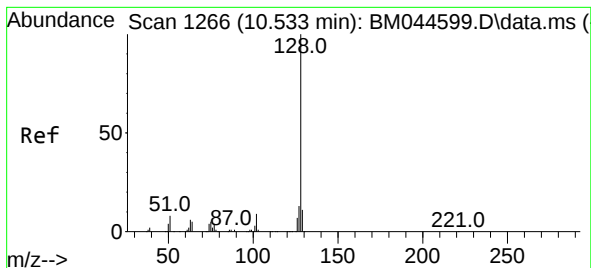
Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

145 29.8 24.6 36.8

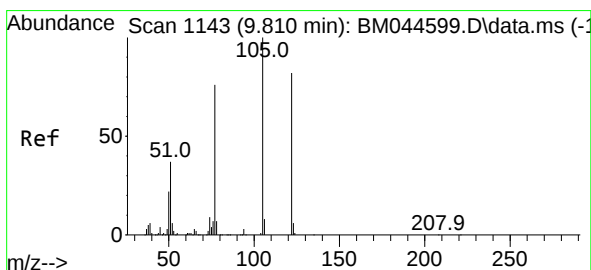
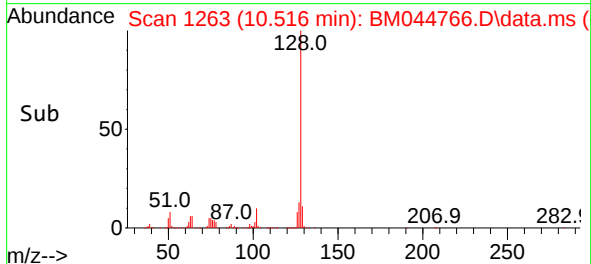
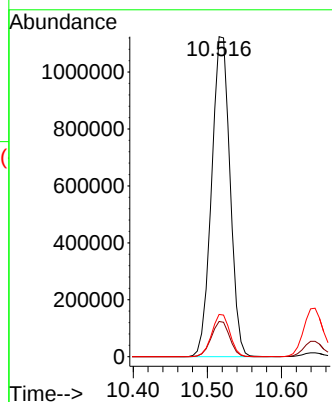
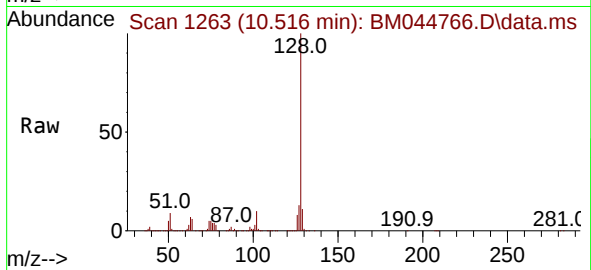




#31  
Naphthalene  
Concen: 44.367 ng  
RT: 10.516 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

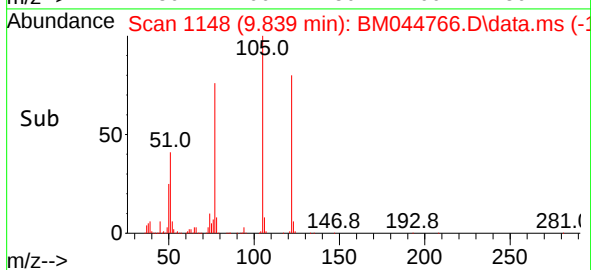
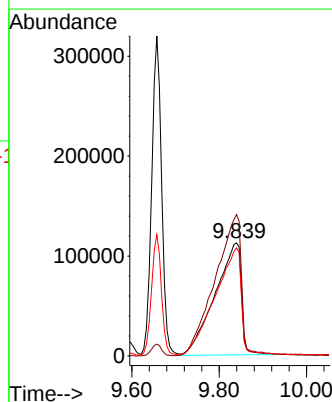
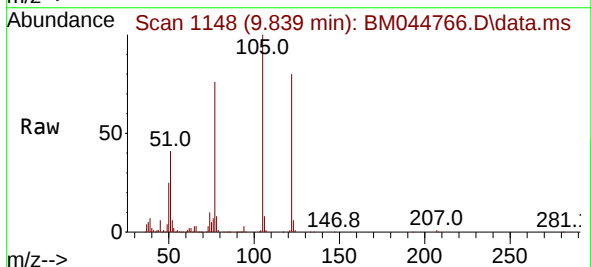
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

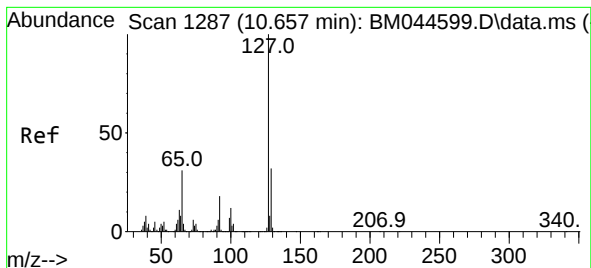
Tgt Ion:128 Resp: 1939679  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.7 13.1  
127 13.2 10.2 15.4



#32  
Benzoic acid  
Concen: 47.293 ng  
RT: 9.839 min Scan# 1148  
Delta R.T. 0.029 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:122 Resp: 467579  
Ion Ratio Lower Upper  
122 100  
105 125.3 100.0 140.0  
77 95.6 72.5 112.5

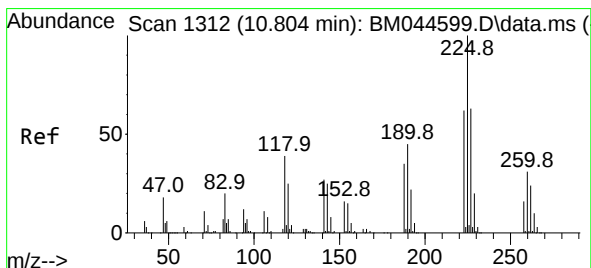
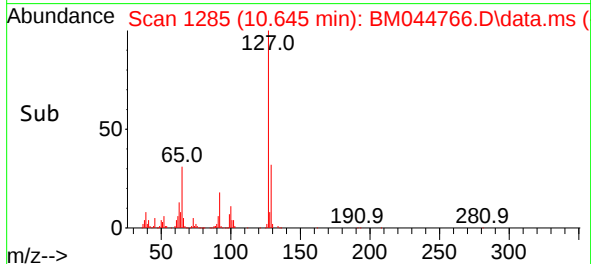
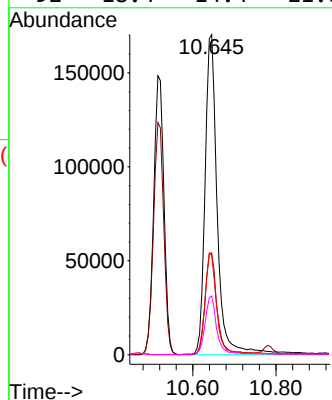
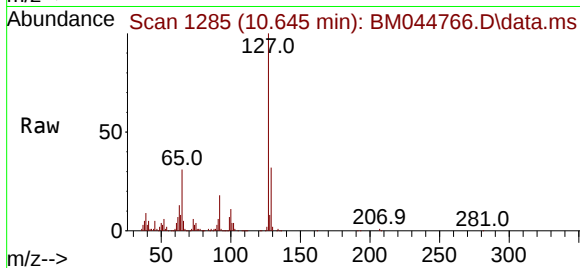




#33  
4-Chloroaniline  
Concen: 18.939 ng  
RT: 10.645 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

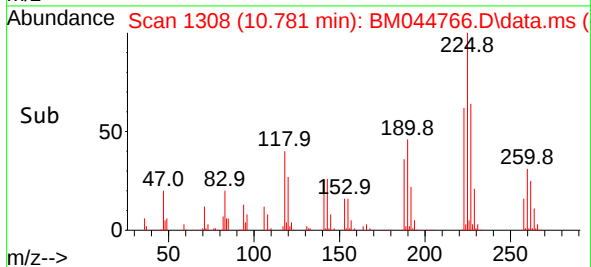
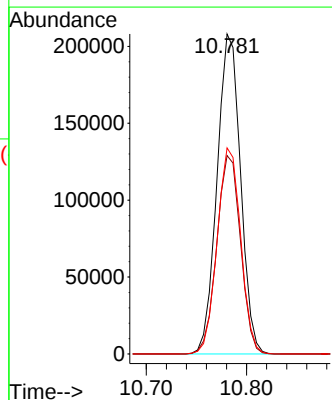
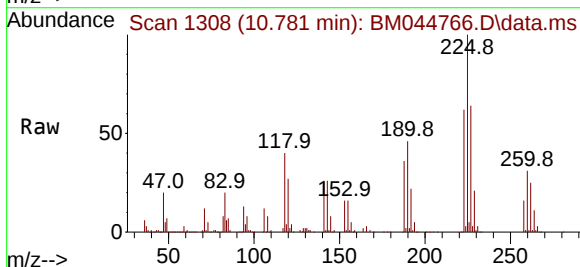
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

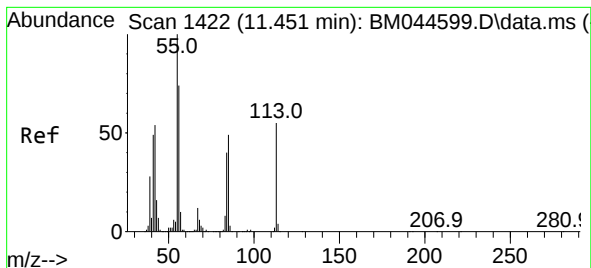
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 347353 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 31.8    | 25.6 38.4    |
| 65 31.0     | 25.1 37.7    |
| 92 18.4     | 14.4 21.6    |



#34  
Hexachlorobutadiene  
Concen: 48.192 ng  
RT: 10.781 min Scan# 1308  
Delta R.T. -0.023 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 337925 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 62.0    | 49.9 74.9    |
| 227 64.4    | 50.6 75.8    |





#35

Caprolactam

Concen: 39.828 ng

RT: 11.469 min Scan# 1422

Delta R.T. 0.018 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

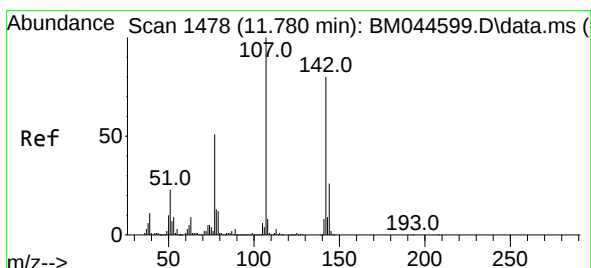
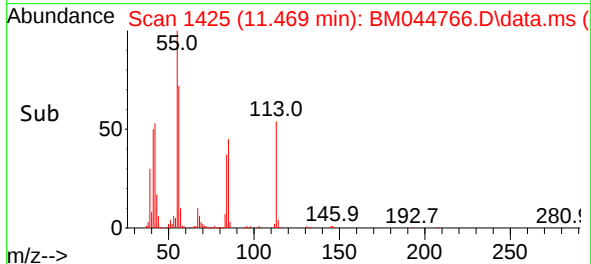
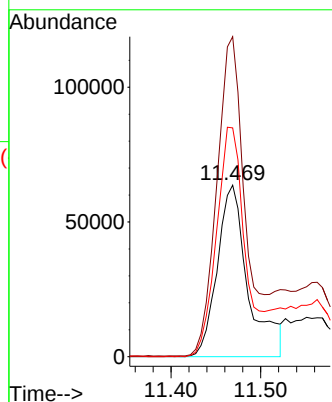
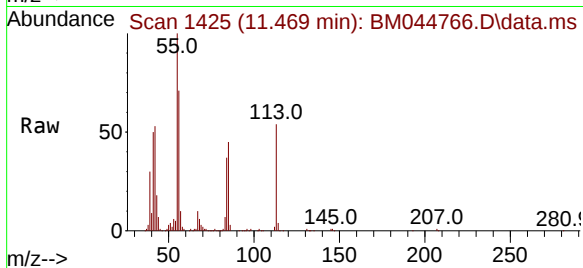
Tgt Ion:113 Resp: 151878

Ion Ratio Lower Upper

113 100

55 186.5 161.1 201.1

56 133.3 113.2 153.2



#36

4-Chloro-3-methylphenol

Concen: 50.181 ng

RT: 11.775 min Scan# 1477

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

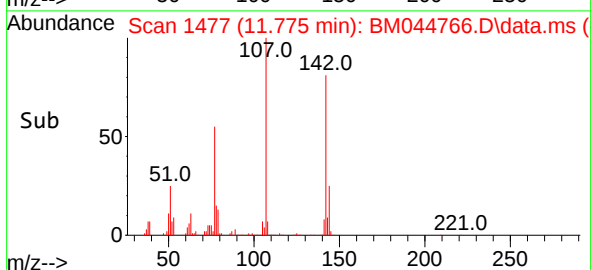
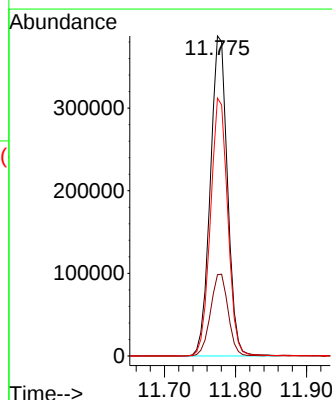
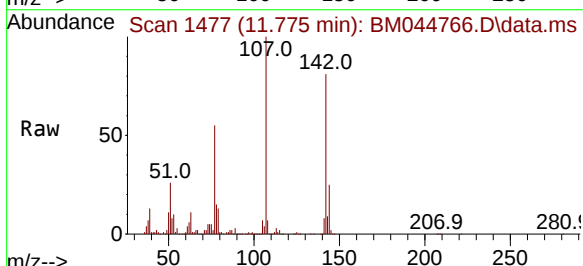
Tgt Ion:107 Resp: 650954

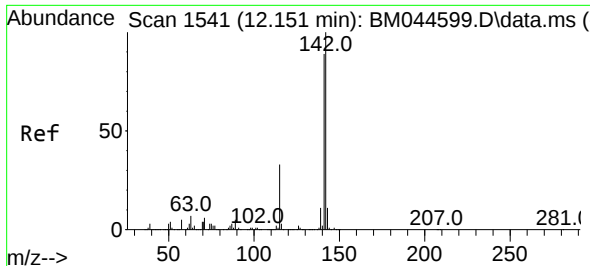
Ion Ratio Lower Upper

107 100

144 25.4 20.8 31.2

142 80.6 63.8 95.8

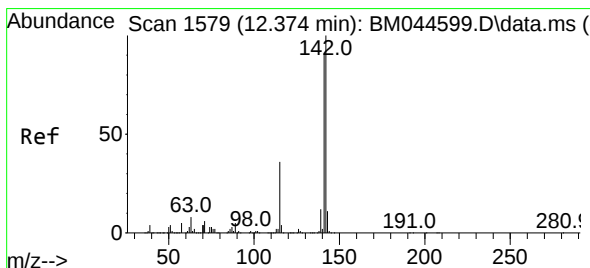
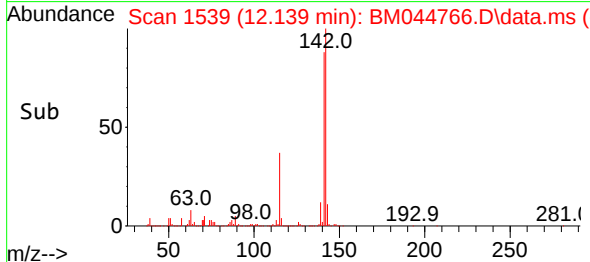
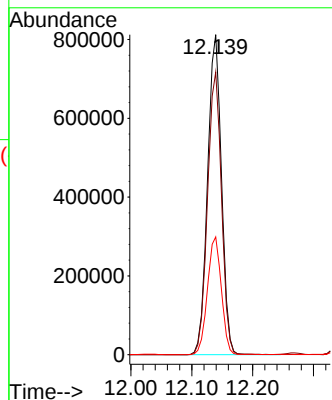
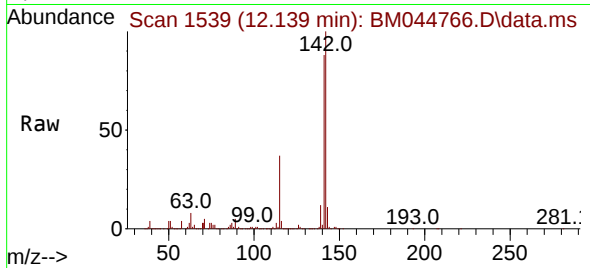




#37  
2-Methylnaphthalene  
Concen: 43.375 ng  
RT: 12.139 min Scan# 1539  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

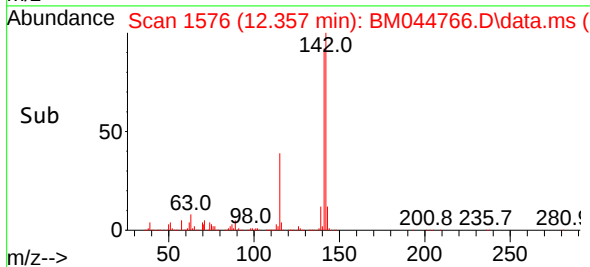
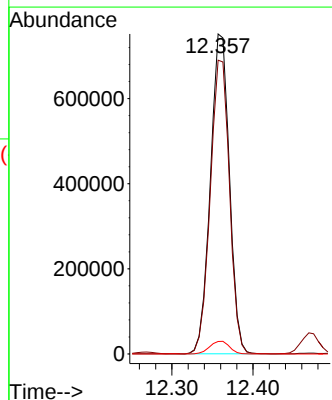
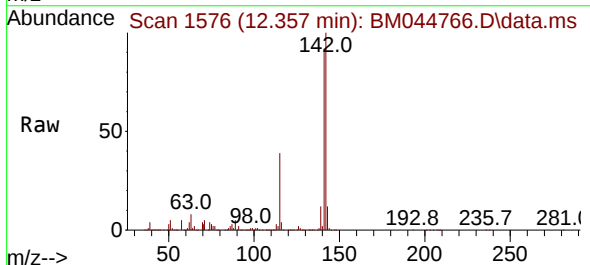
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

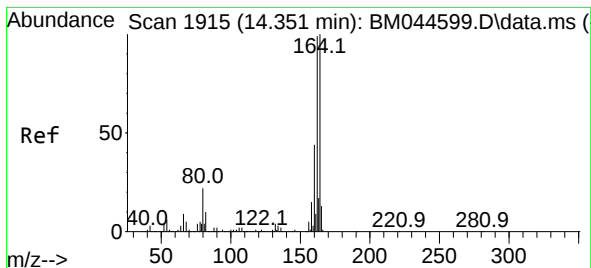
Tgt Ion:142 Resp: 1287055  
Ion Ratio Lower Upper  
142 100  
141 88.3 71.0 106.6  
115 36.8 26.6 40.0



#38  
1-Methylnaphthalene  
Concen: 44.173 ng  
RT: 12.357 min Scan# 1576  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:142 Resp: 1221593  
Ion Ratio Lower Upper  
142 100  
141 91.8 72.9 109.3  
116 3.9 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.339 min Scan# 1913

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

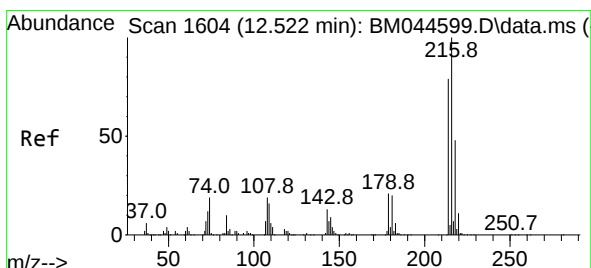
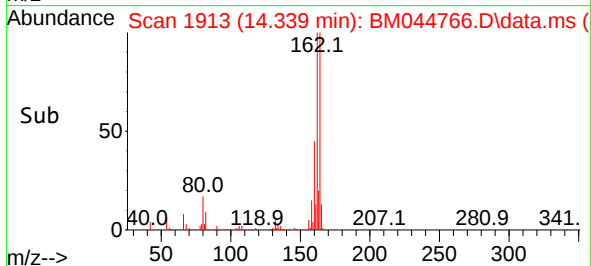
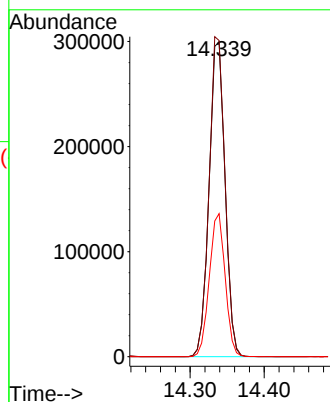
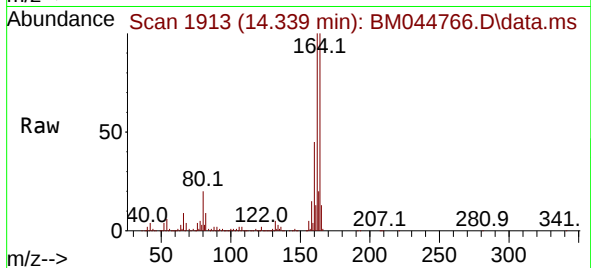
Tgt Ion:164 Resp: 448045

Ion Ratio Lower Upper

164 100

162 100.4 79.3 118.9

160 45.4 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.395 ng

RT: 12.510 min Scan# 1602

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Tgt Ion:216 Resp: 615320

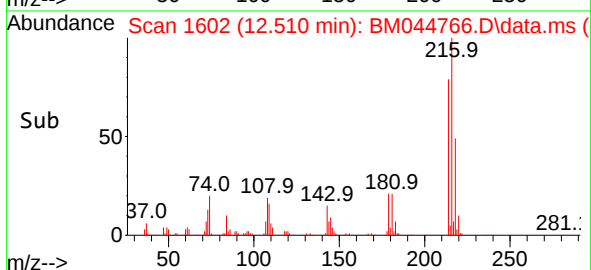
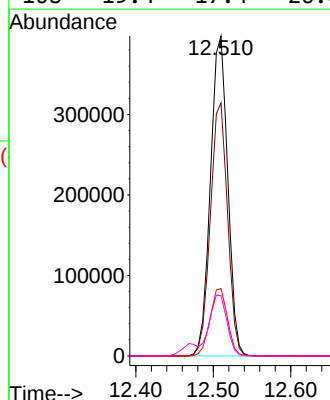
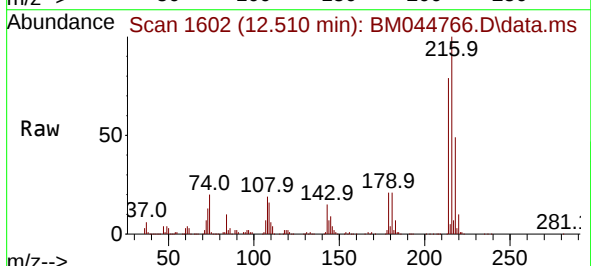
Ion Ratio Lower Upper

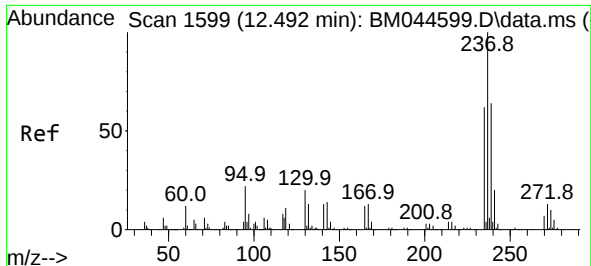
216 100

214 78.9 62.9 94.3

179 21.2 16.9 25.3

108 19.4 17.4 26.0

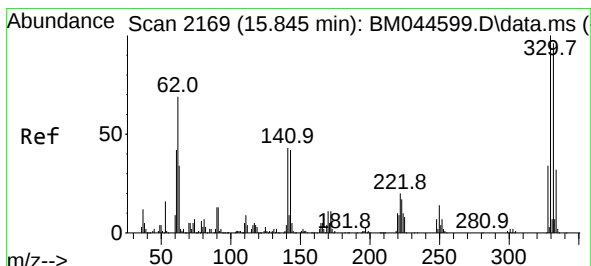
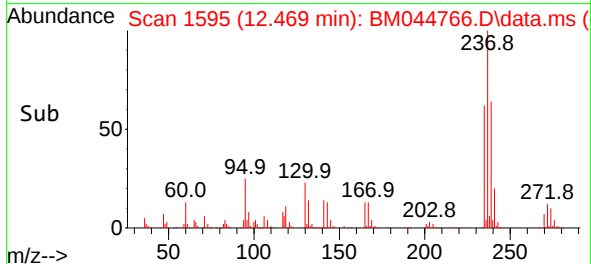
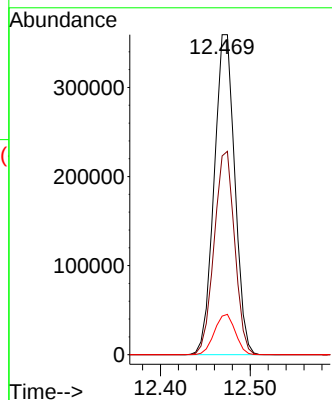
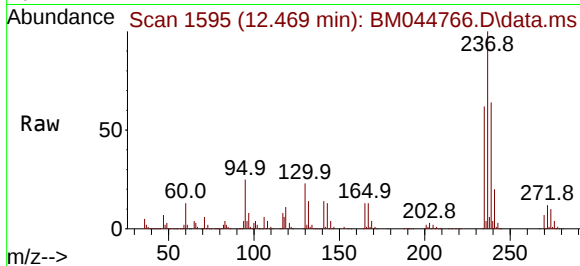




#41  
Hexachlorocyclopentadiene  
Concen: 79.249 ng  
RT: 12.469 min Scan# 1  
Delta R.T. -0.023 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

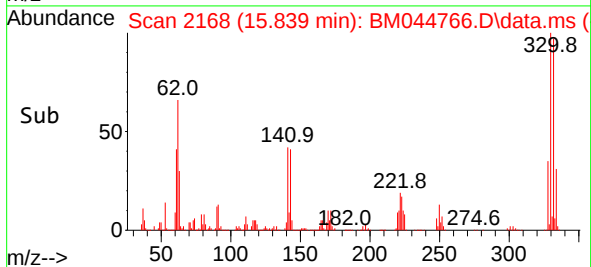
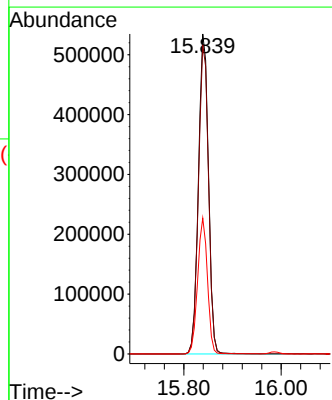
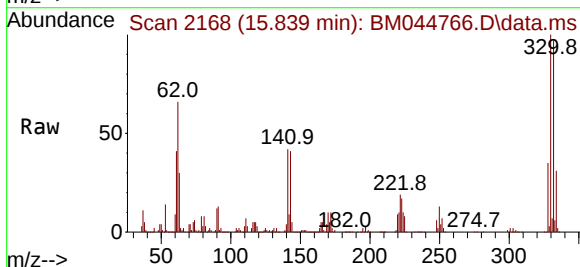
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

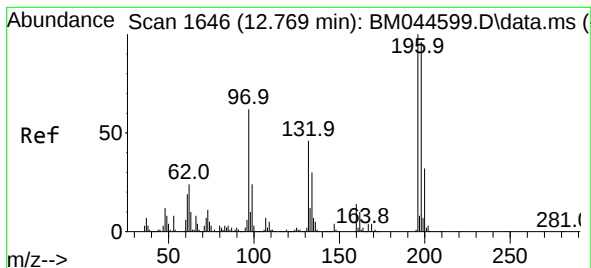
Tgt Ion:237 Resp: 574027  
Ion Ratio Lower Upper  
237 100  
235 62.1 42.1 82.1  
272 12.1 0.0 33.1



#42  
2,4,6-Tribromophenol  
Concen: 155.870 ng  
RT: 15.839 min Scan# 2168  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:330 Resp: 770273  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.8 116.8  
141 41.5 33.4 50.0





#43

2,4,6-Trichlorophenol

Concen: 52.862 ng

RT: 12.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

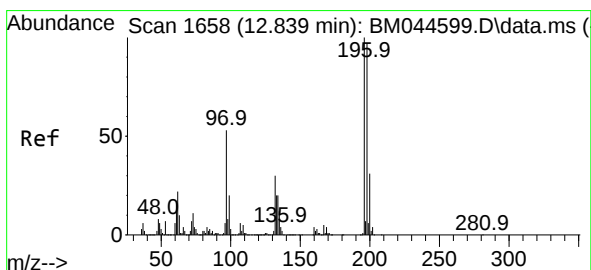
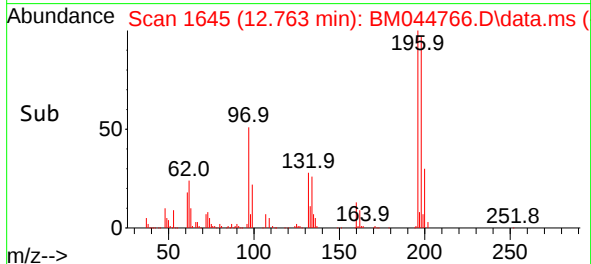
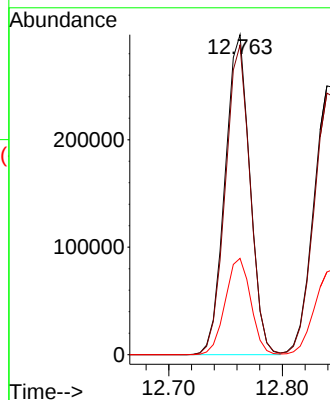
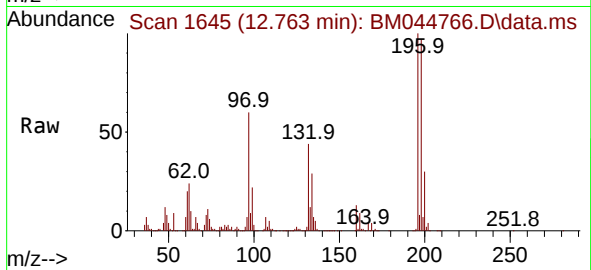
Tgt Ion:196 Resp: 453843

Ion Ratio Lower Upper

196 100

198 96.7 76.9 115.3

200 30.1 25.4 38.0



#44

2,4,5-Trichlorophenol

Concen: 47.365 ng

RT: 12.839 min Scan# 1658

Delta R.T. 0.000 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Tgt Ion:196 Resp: 481839

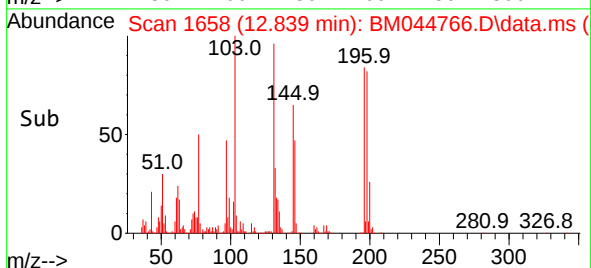
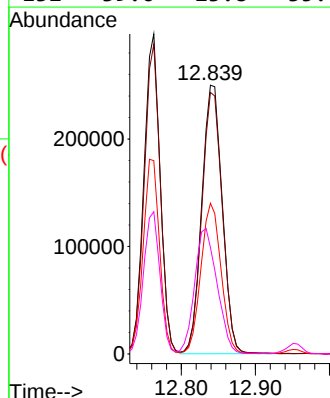
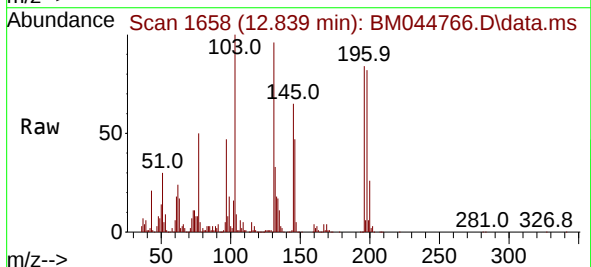
Ion Ratio Lower Upper

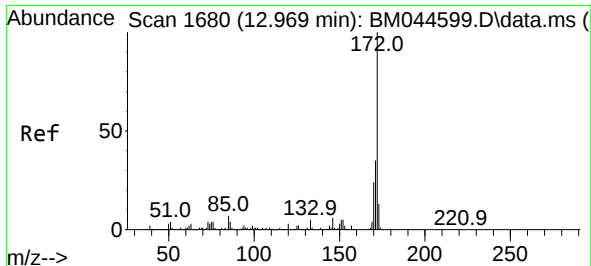
196 100

198 97.3 77.7 116.5

97 56.1 42.8 64.2

132 39.6 23.8 35.6#

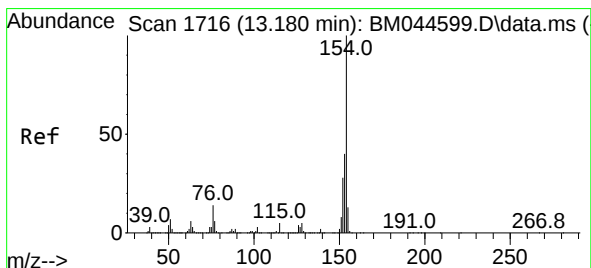
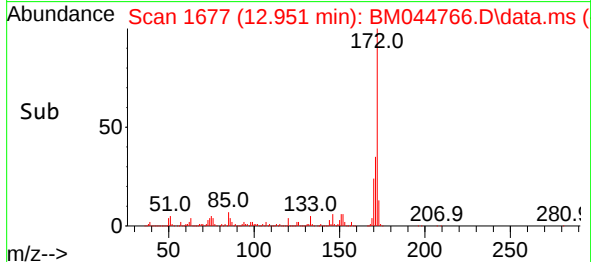
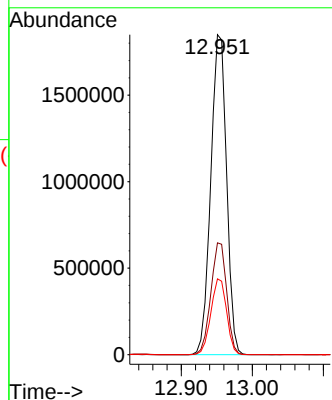
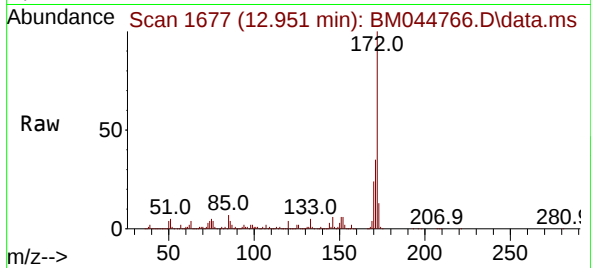




#45  
2-Fluorobiphenyl  
Concen: 87.801 ng  
RT: 12.951 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

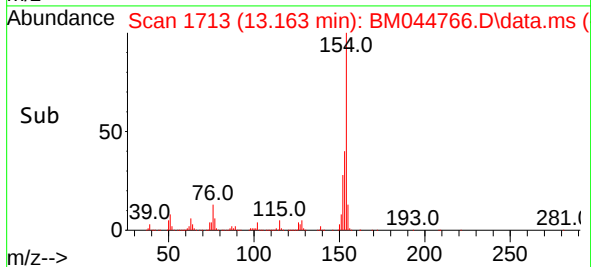
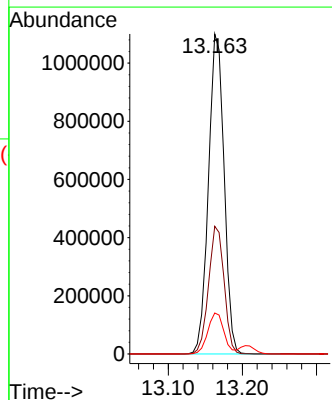
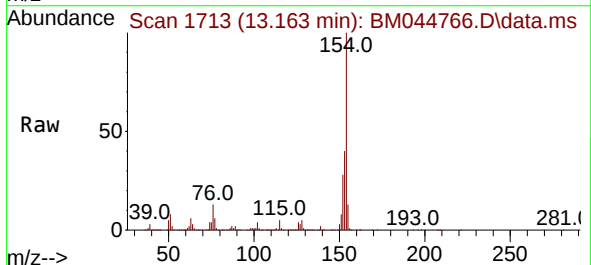
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

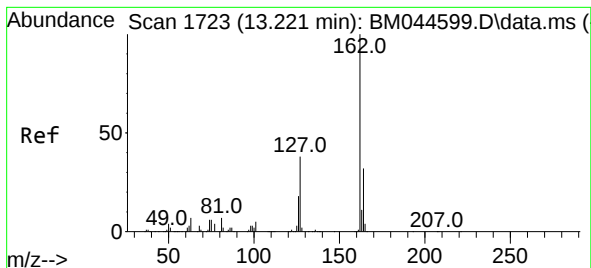
Tgt Ion:172 Resp: 2856407  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.2 42.2  
170 23.7 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 45.954 ng  
RT: 13.163 min Scan# 1713  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:154 Resp: 1610322  
Ion Ratio Lower Upper  
154 100  
153 39.9 19.9 59.9  
76 12.8 0.0 34.0





#47

2-Chloronaphthalene

Concen: 48.028 ng

RT: 13.204 min Scan# 1720

Delta R.T. -0.018 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

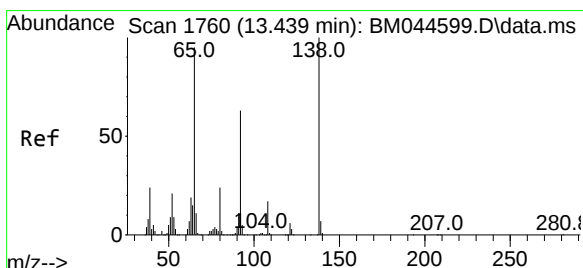
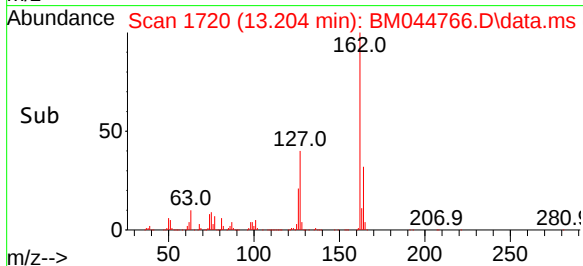
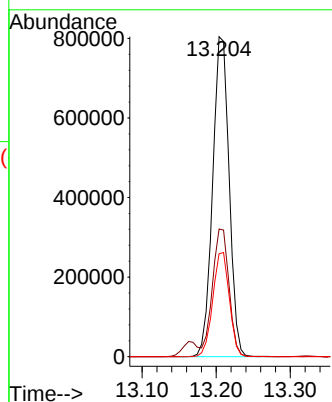
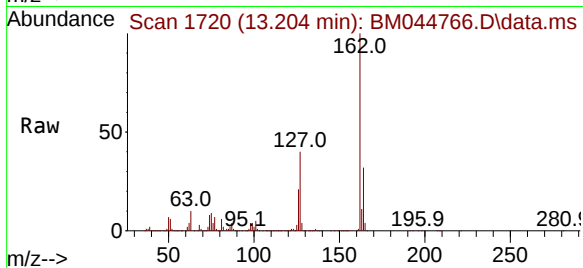
Tgt Ion:162 Resp: 1244543

Ion Ratio Lower Upper

162 100

127 39.9 31.4 47.0

164 32.2 25.8 38.8



#48

2-Nitroaniline

Concen: 51.470 ng

RT: 13.427 min Scan# 1758

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

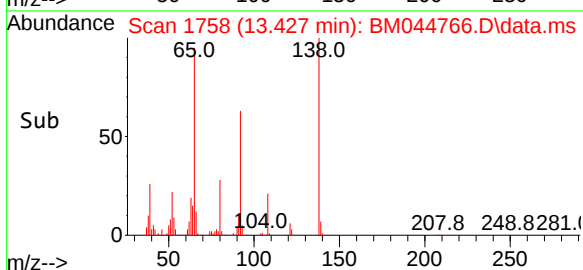
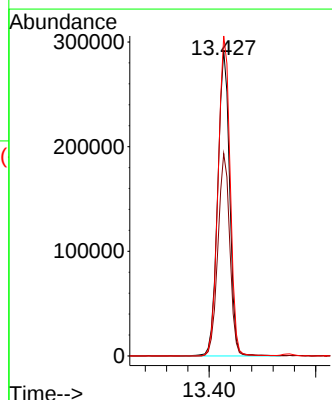
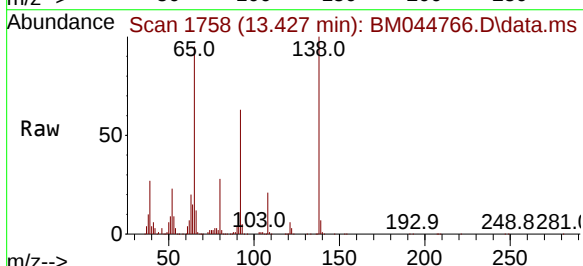
Tgt Ion: 65 Resp: 452538

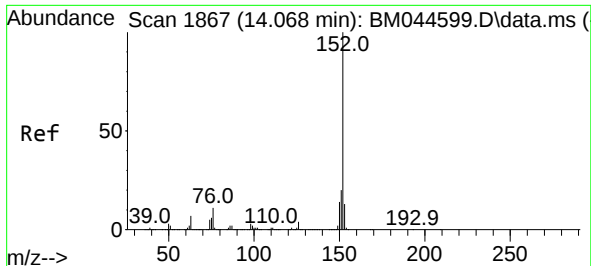
Ion Ratio Lower Upper

65 100

92 66.3 53.3 79.9

138 104.7 84.3 126.5

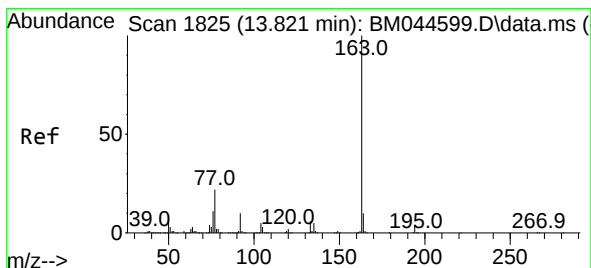
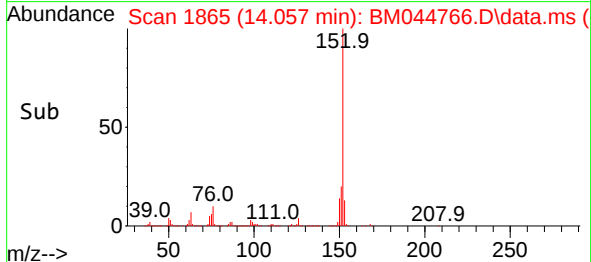
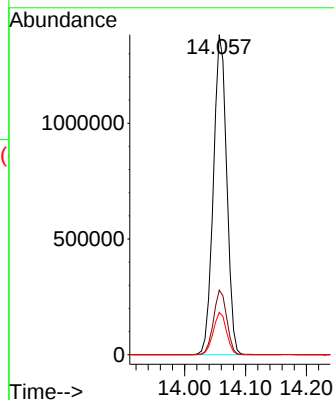
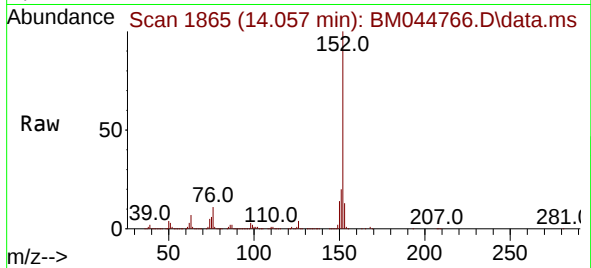




#49  
Acenaphthylene  
Concen: 49.743 ng  
RT: 14.057 min Scan# 1865  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

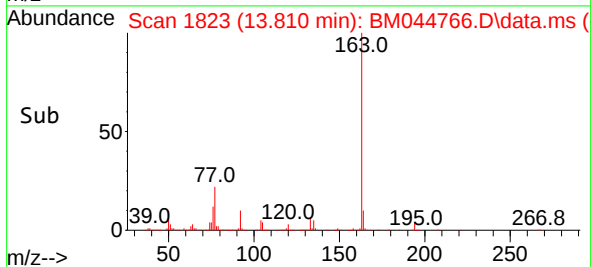
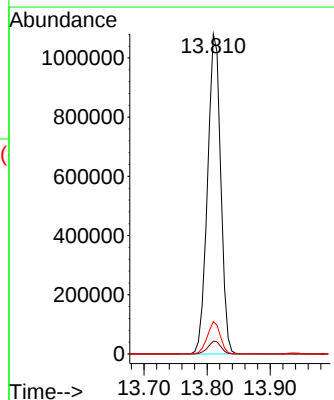
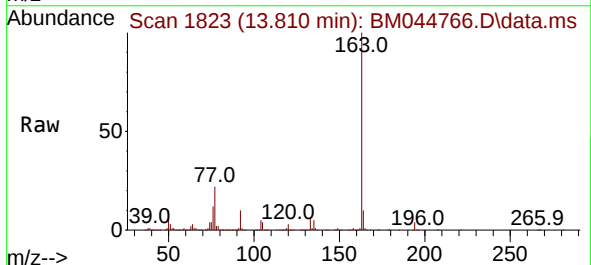
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

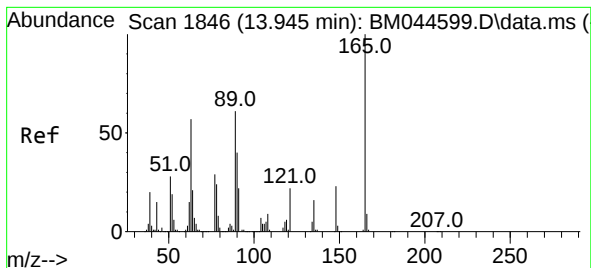
Tgt Ion:152 Resp: 2099775  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.0 24.0  
153 13.2 10.6 15.8



#50  
Dimethylphthalate  
Concen: 46.802 ng  
RT: 13.810 min Scan# 1823  
Delta R.T. -0.011 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:163 Resp: 1568457  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.0 4.6  
164 10.1 8.0 12.0

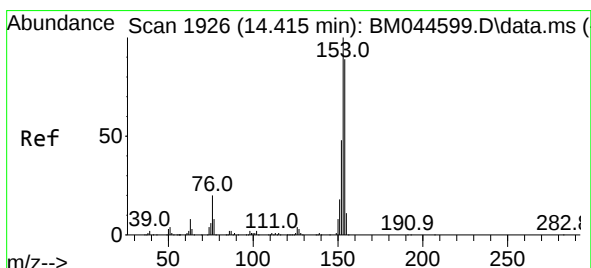
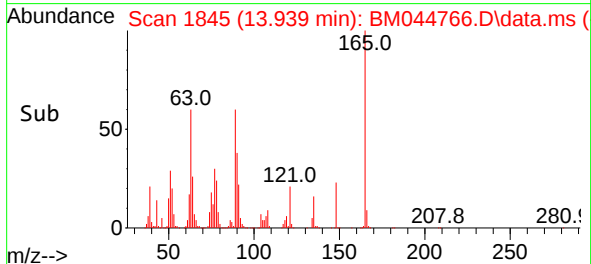
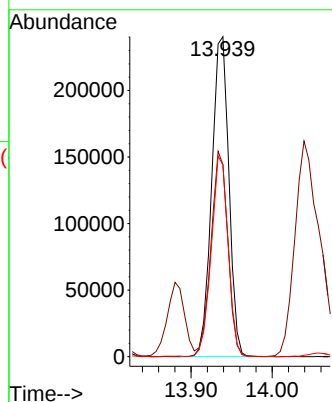
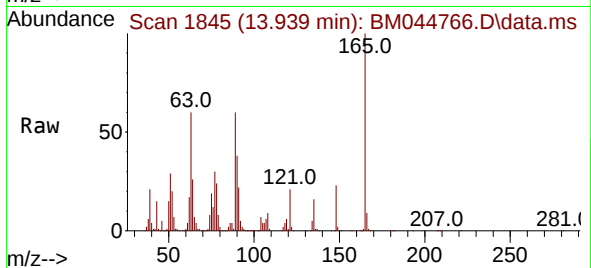




#51  
2,6-Dinitrotoluene  
Concen: 50.440 ng  
RT: 13.939 min Scan# 1845  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

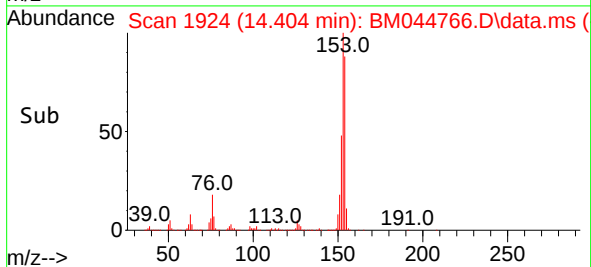
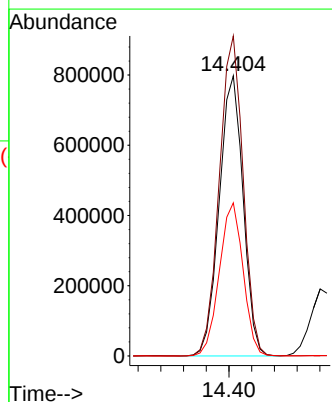
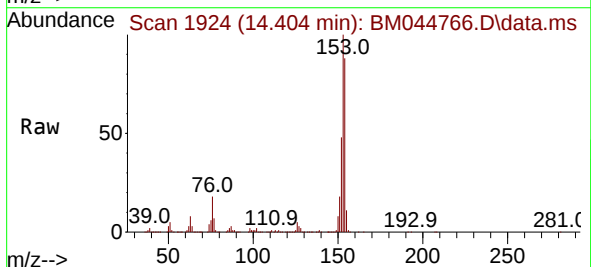
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

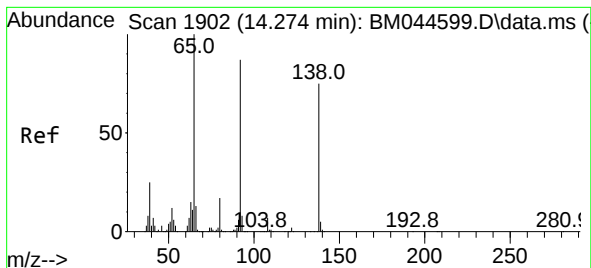
Tgt Ion:165 Resp: 352008  
Ion Ratio Lower Upper  
165 100  
63 60.0 50.4 75.6  
89 59.9 49.3 73.9



#52  
Acenaphthene  
Concen: 45.628 ng  
RT: 14.404 min Scan# 1924  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:154 Resp: 1164314  
Ion Ratio Lower Upper  
154 100  
153 114.2 90.3 135.5  
152 54.7 43.1 64.7

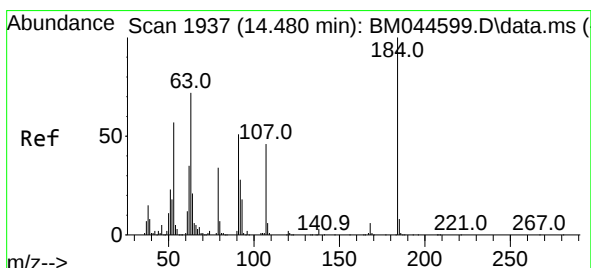
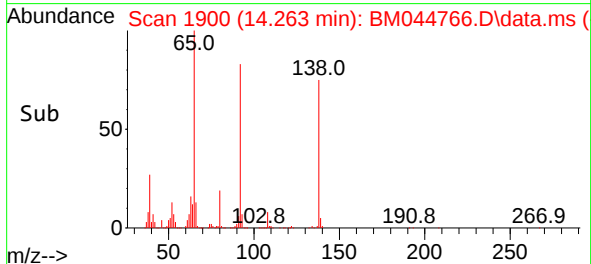
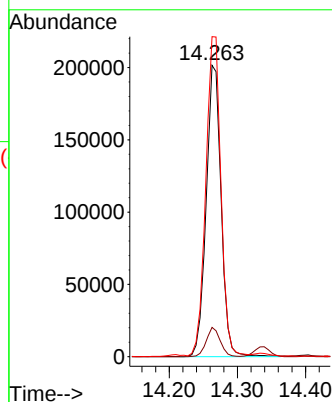
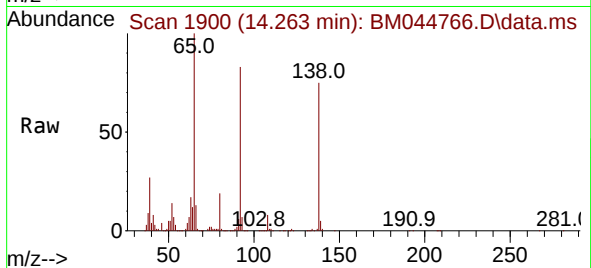




#53  
3-Nitroaniline  
Concen: 37.631 ng  
RT: 14.263 min Scan# 1902  
Delta R.T. -0.011 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

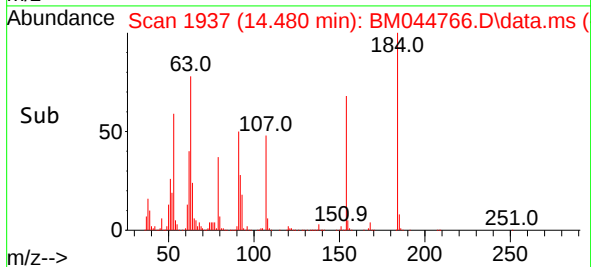
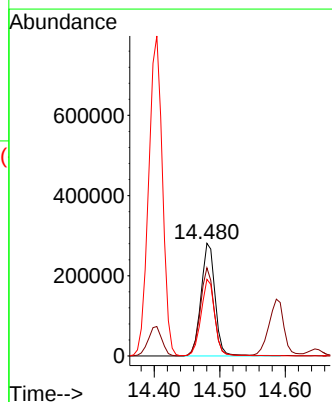
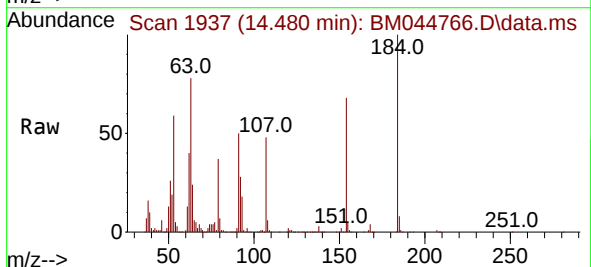
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

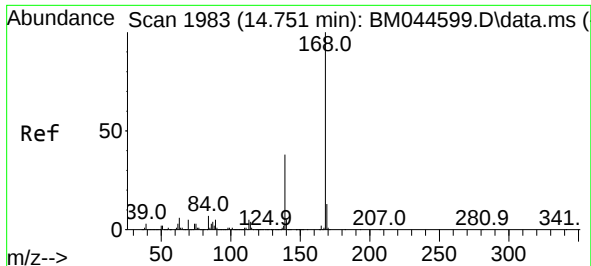
Tgt Ion:138 Resp: 307519  
Ion Ratio Lower Upper  
138 100  
108 10.0 7.5 11.3  
92 109.8 92.8 139.2



#54  
2,4-Dinitrophenol  
Concen: 91.199 ng  
RT: 14.480 min Scan# 1937  
Delta R.T. 0.000 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:184 Resp: 419461  
Ion Ratio Lower Upper  
184 100  
63 78.3 62.2 93.2  
154 68.0 47.9 71.9

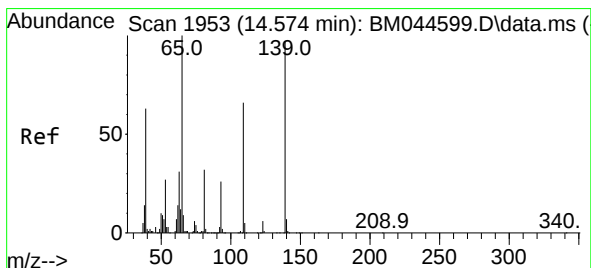
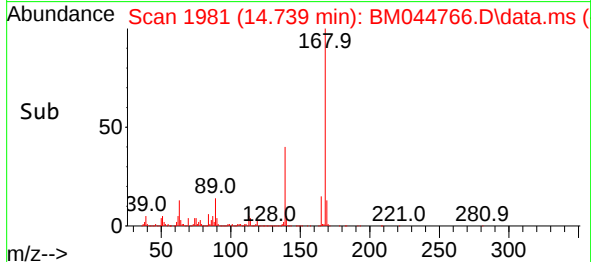
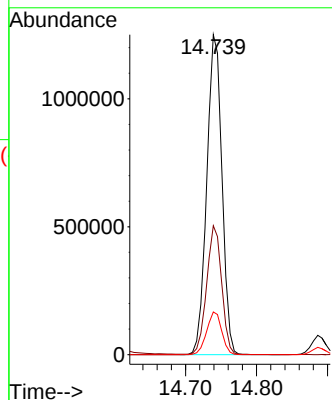
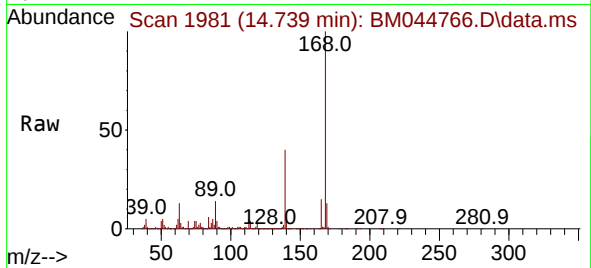




#55  
Dibenzenofuran  
Concen: 45.961 ng  
RT: 14.739 min Scan# 1981  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

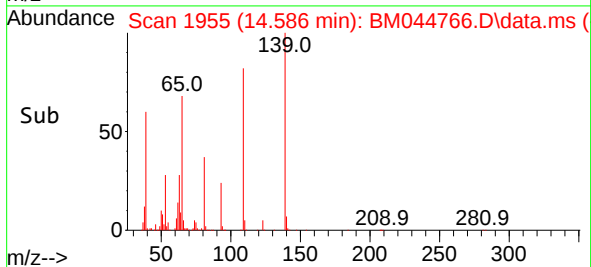
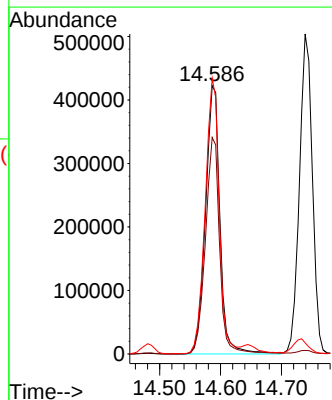
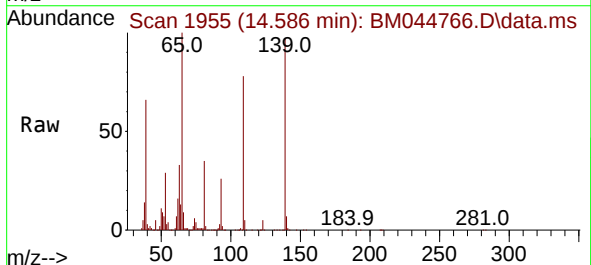
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

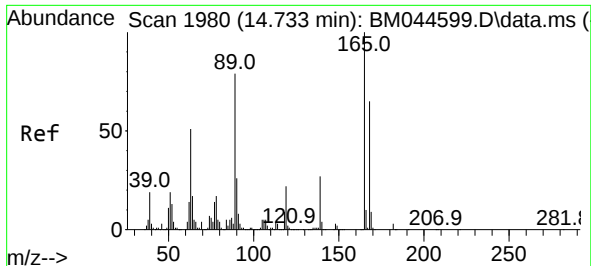
Tgt Ion:168 Resp: 1861394  
Ion Ratio Lower Upper  
168 100  
139 40.3 30.6 46.0  
169 13.3 10.6 16.0



#56  
4-Nitrophenol  
Concen: 103.753 ng  
RT: 14.586 min Scan# 1955  
Delta R.T. 0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:139 Resp: 696332  
Ion Ratio Lower Upper  
139 100  
109 80.7 48.0 88.0  
65 102.8 83.5 123.5

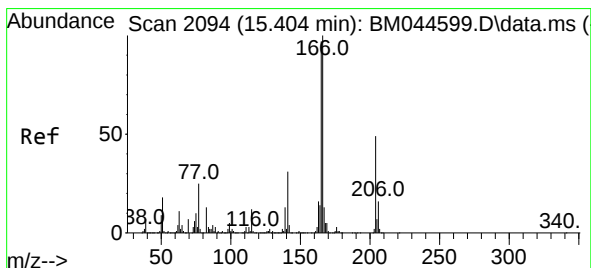
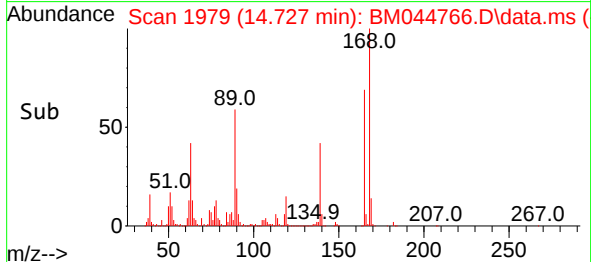
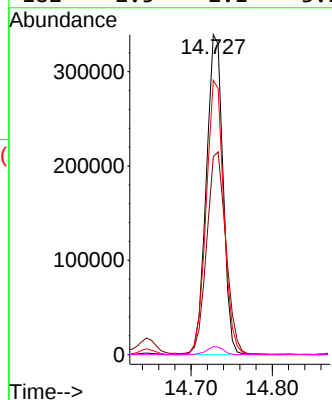
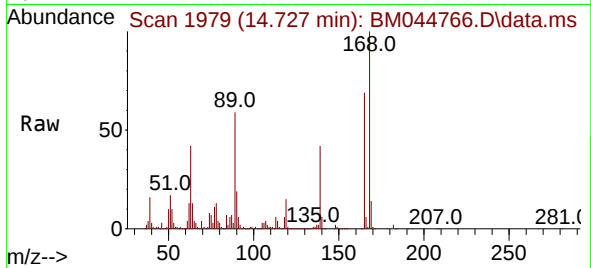




#57  
2,4-Dinitrotoluene  
Concen: 52.978 ng  
RT: 14.727 min Scan# 1980  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

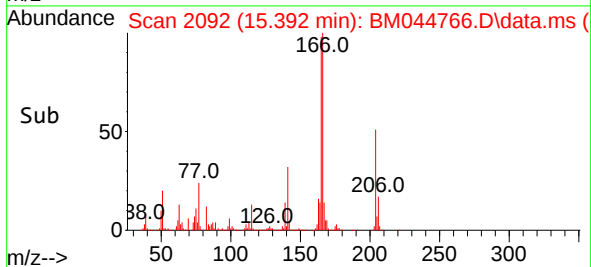
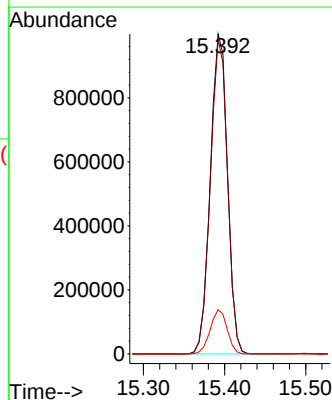
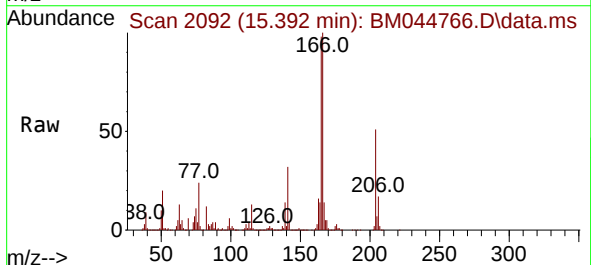
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

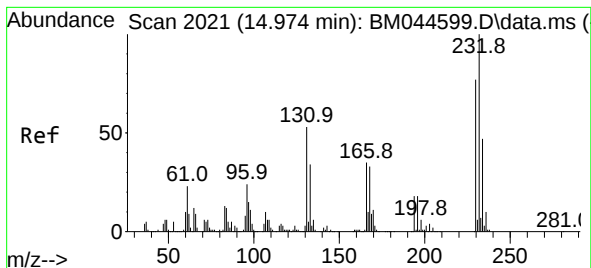
Tgt Ion:165 Resp: 483095  
Ion Ratio Lower Upper  
165 100  
63 61.9 40.9 61.3#  
89 85.8 63.4 95.0  
182 2.5 2.1 3.1



#58  
Fluorene  
Concen: 46.548 ng  
RT: 15.392 min Scan# 2092  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:166 Resp: 1468030  
Ion Ratio Lower Upper  
166 100  
165 98.3 77.7 116.5  
167 13.9 10.8 16.2

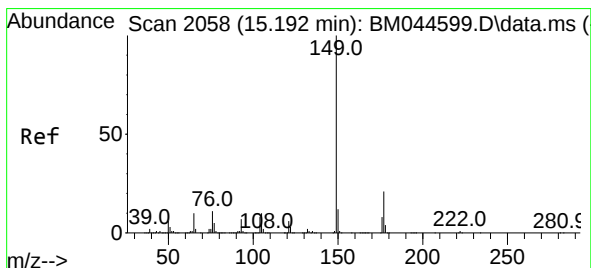
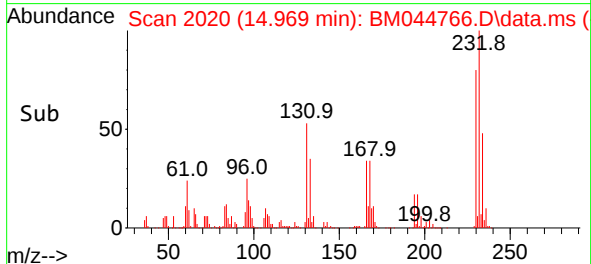
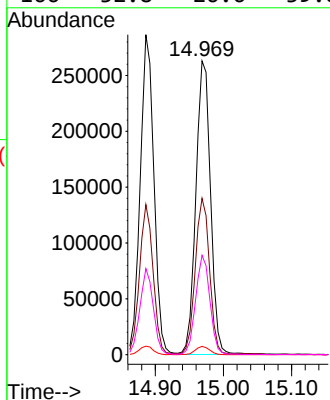
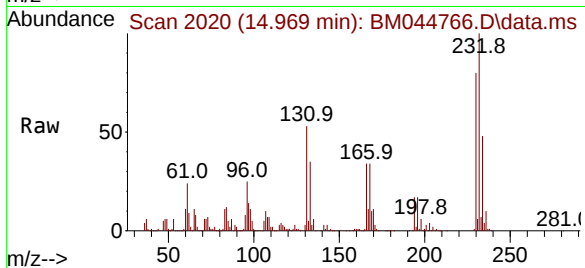




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.852 ng  
RT: 14.969 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

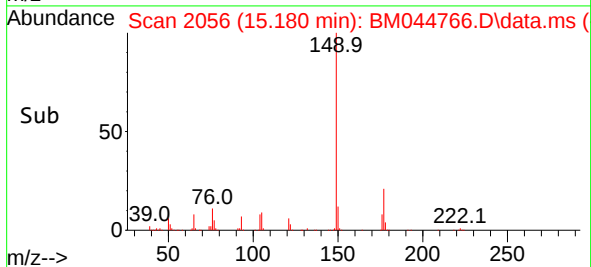
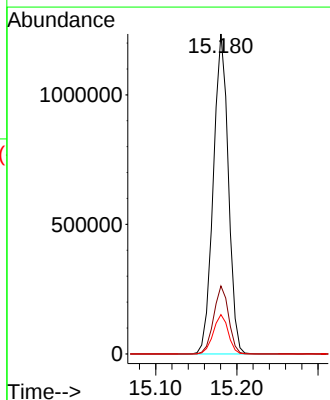
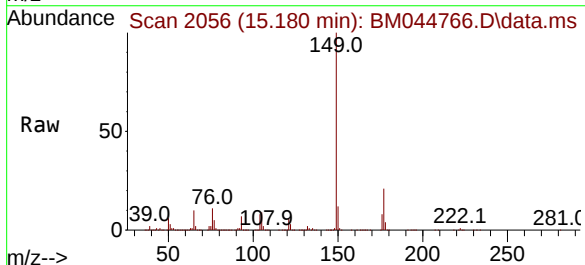
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

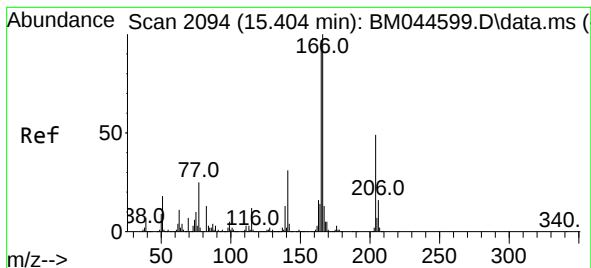
Tgt Ion:232 Resp: 393739  
Ion Ratio Lower Upper  
232 100  
131 51.2 41.0 61.4  
130 2.8 2.1 3.1  
166 32.8 26.6 39.8



#60  
Diethylphthalate  
Concen: 46.840 ng  
RT: 15.180 min Scan# 2056  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:149 Resp: 1589049  
Ion Ratio Lower Upper  
149 100  
177 21.3 16.8 25.2  
150 12.3 9.8 14.8

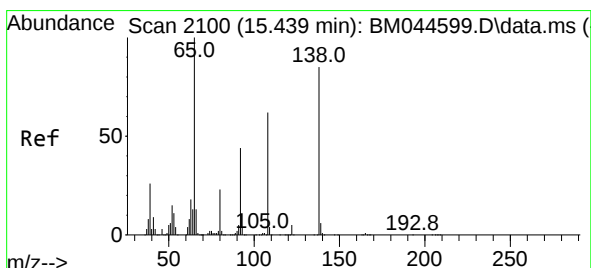
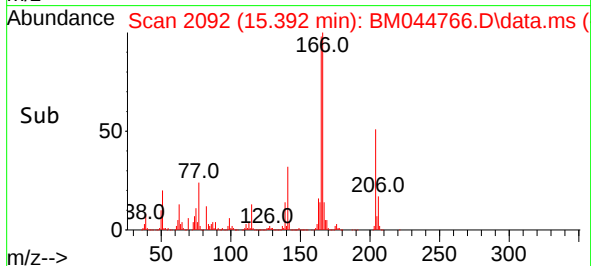
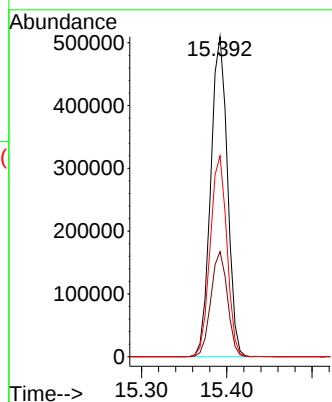
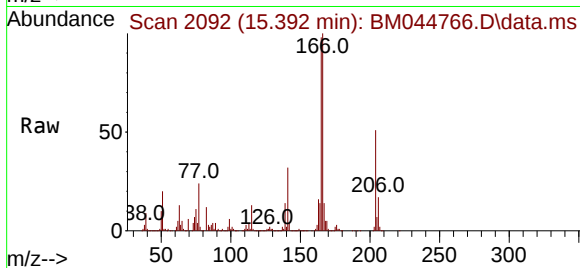




#61  
4-Chlorophenyl-phenylether  
Concen: 45.834 ng  
RT: 15.392 min Scan# 2092  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

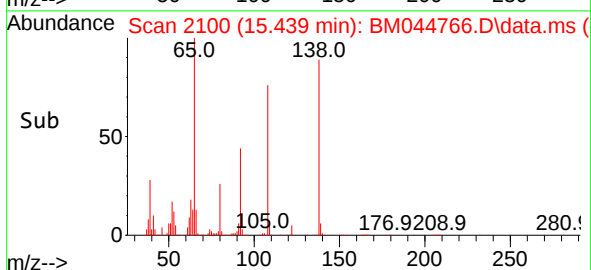
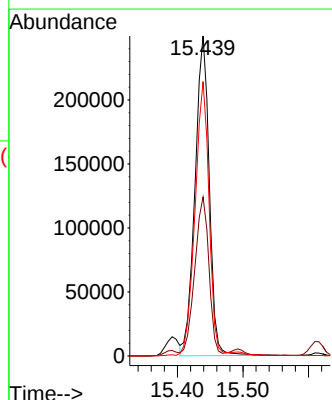
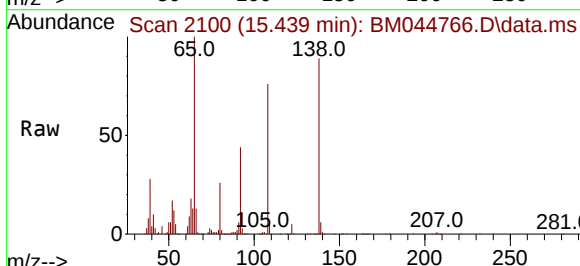
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

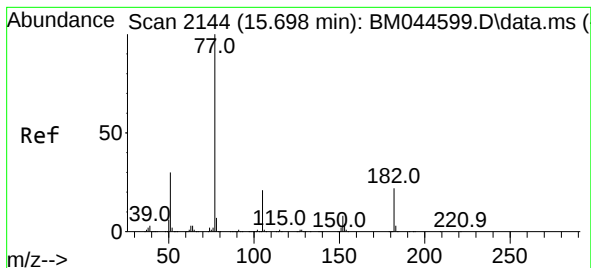
Tgt Ion:204 Resp: 693943  
Ion Ratio Lower Upper  
204 100  
206 32.8 25.9 38.9  
141 62.8 49.8 74.8



#62  
4-Nitroaniline  
Concen: 46.375 ng  
RT: 15.439 min Scan# 2100  
Delta R.T. 0.000 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:138 Resp: 378564  
Ion Ratio Lower Upper  
138 100  
92 49.7 31.9 71.9  
108 85.8 53.7 93.7





#63

Azobenzene

Concen: 45.666 ng

RT: 15.686 min Scan# 2144

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

Tgt Ion: 77 Resp: 1601408

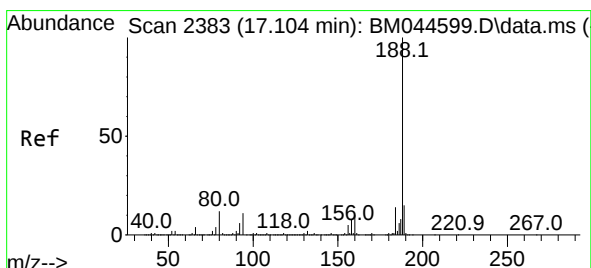
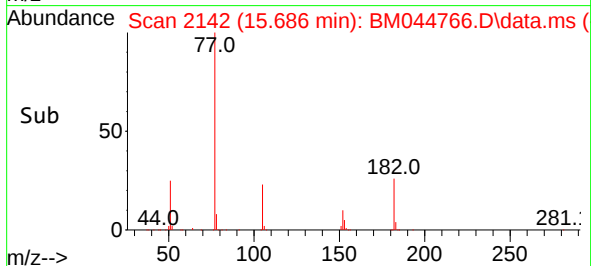
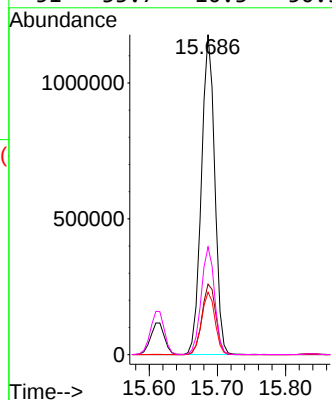
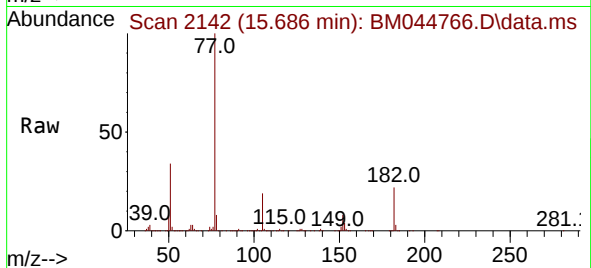
Ion Ratio Lower Upper

77 100

182 22.0 1.8 41.8

105 19.5 0.7 40.7

51 33.7 10.3 50.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 2381

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

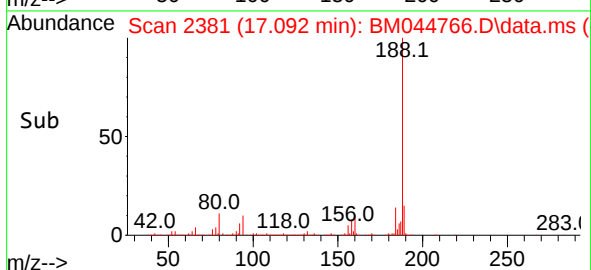
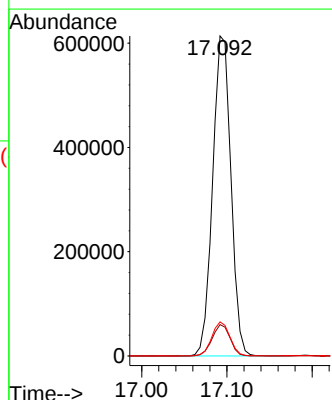
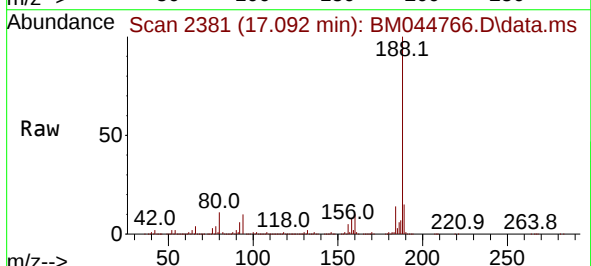
Tgt Ion: 188 Resp: 912497

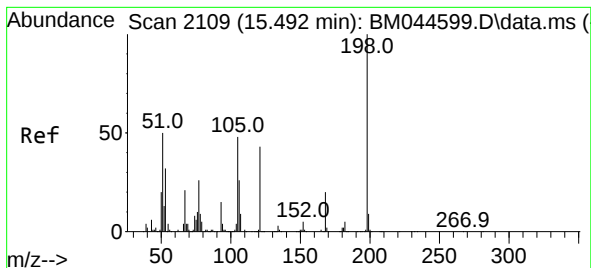
Ion Ratio Lower Upper

188 100

94 9.8 8.4 12.6

80 10.6 9.4 14.0

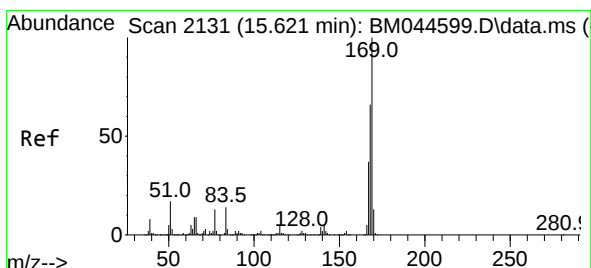
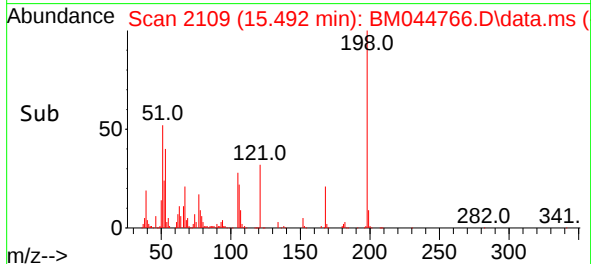
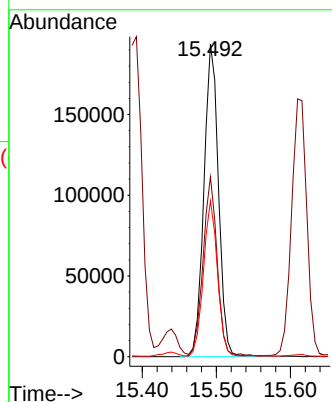
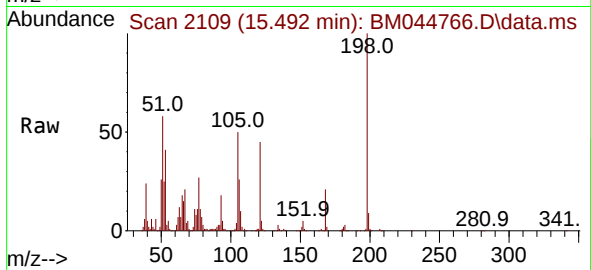




#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.337 ng  
RT: 15.492 min Scan# 2109  
Delta R.T. 0.000 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

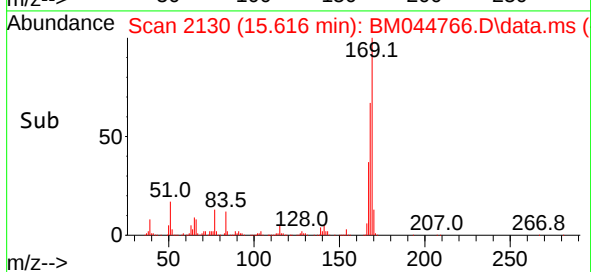
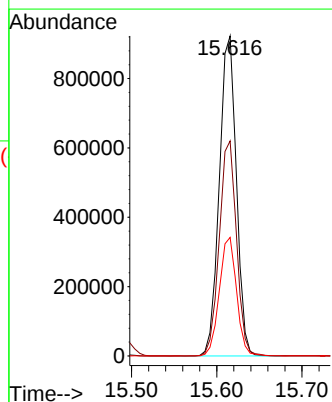
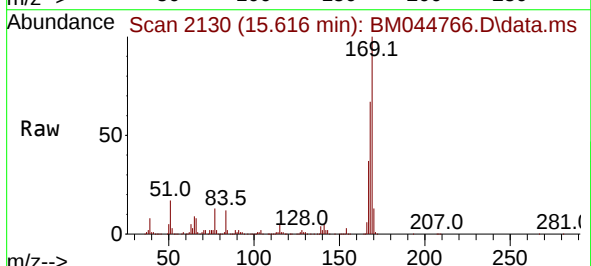
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

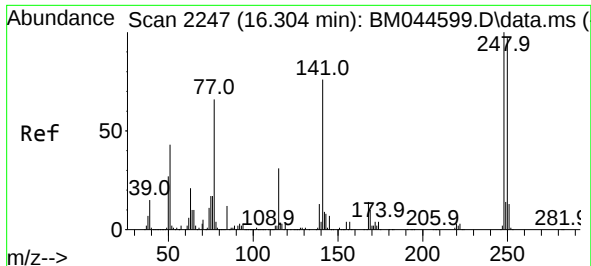
Tgt Ion:198 Resp: 265166  
Ion Ratio Lower Upper  
198 100  
51 57.5 35.0 75.0  
105 49.8 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 45.038 ng  
RT: 15.616 min Scan# 2130  
Delta R.T. -0.005 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:169 Resp: 1280827  
Ion Ratio Lower Upper  
169 100  
168 67.2 53.1 79.7  
167 37.0 29.5 44.3

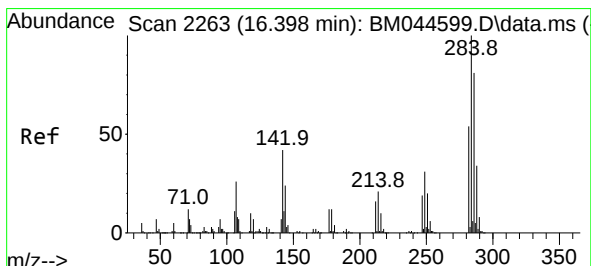
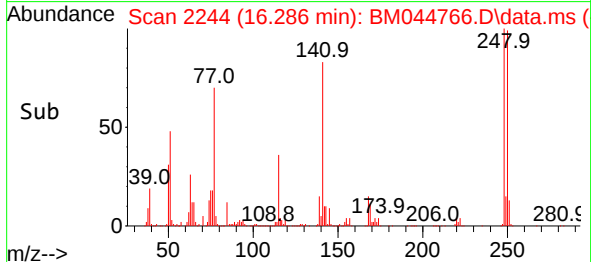
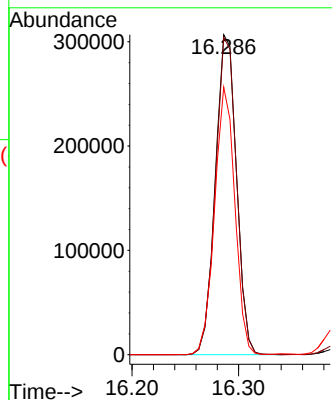
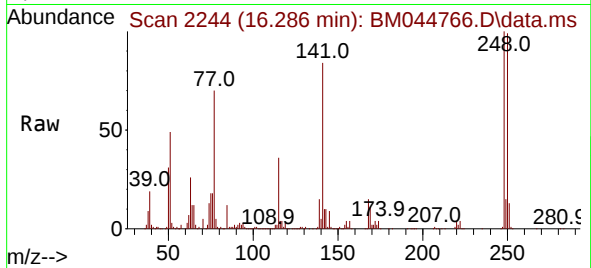




#67  
4-Bromophenyl-phenylether  
Concen: 44.834 ng  
RT: 16.286 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

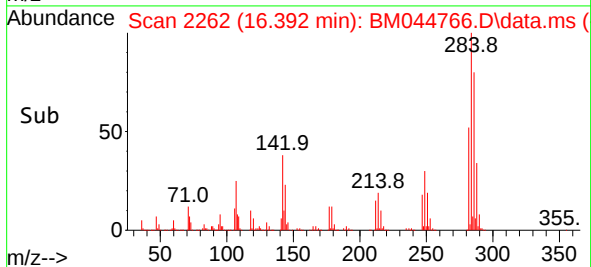
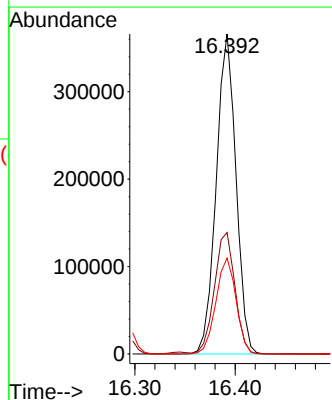
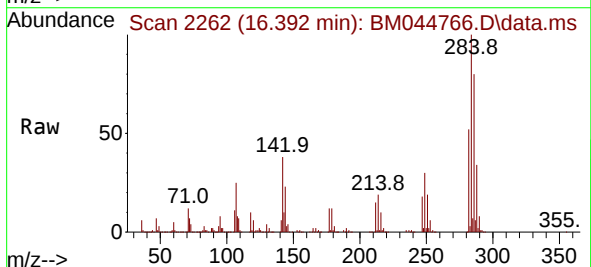
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

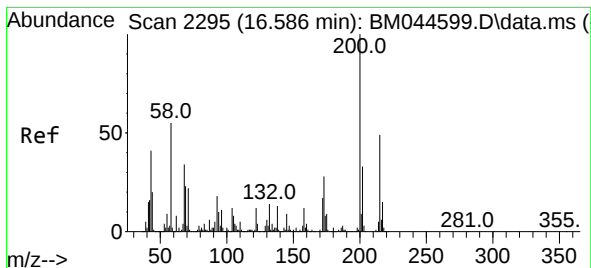
Tgt Ion:248 Resp: 423166  
Ion Ratio Lower Upper  
248 100  
250 99.2 77.8 116.8  
141 83.6 60.6 90.8



#68  
Hexachlorobenzene  
Concen: 49.777 ng  
RT: 16.392 min Scan# 2262  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:284 Resp: 499414  
Ion Ratio Lower Upper  
284 100  
142 38.0 33.7 50.5  
249 30.0 24.8 37.2





#69

Atrazine

Concen: 39.751 ng

RT: 16.580 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

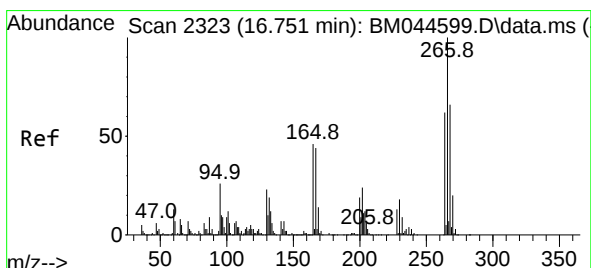
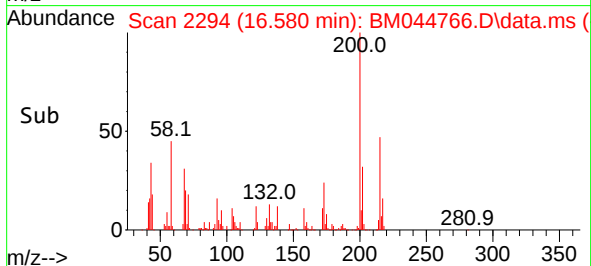
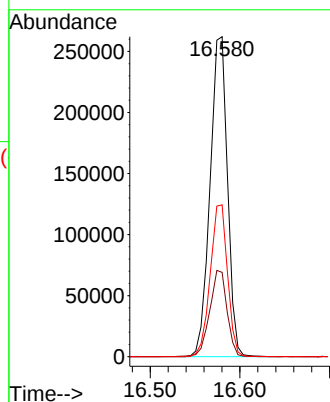
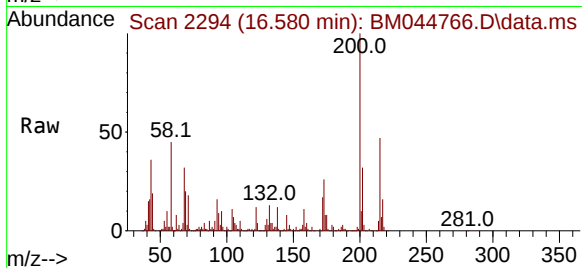
Tgt Ion:200 Resp: 353255

Ion Ratio Lower Upper

200 100

173 26.4 7.7 47.7

215 47.5 28.7 68.7



#70

Pentachlorophenol

Concen: 92.715 ng

RT: 16.745 min Scan# 2322

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

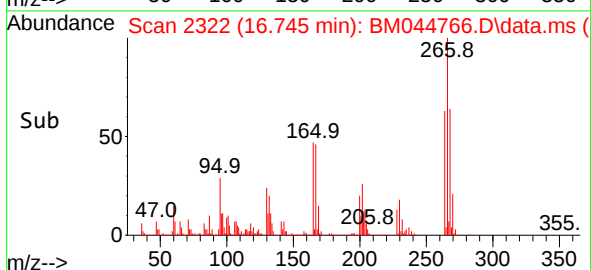
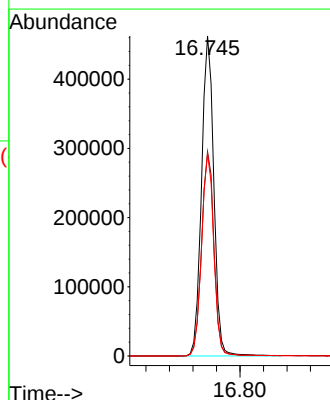
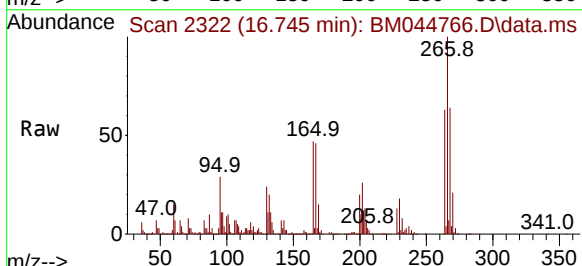
Tgt Ion:266 Resp: 669114

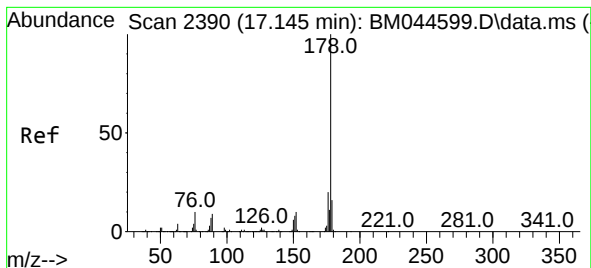
Ion Ratio Lower Upper

266 100

268 63.9 52.4 78.6

264 63.2 49.8 74.8





#71

Phenanthrene

Concen: 45.459 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

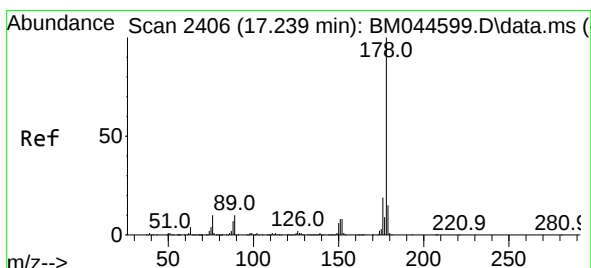
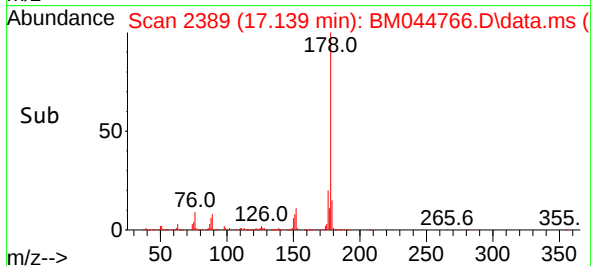
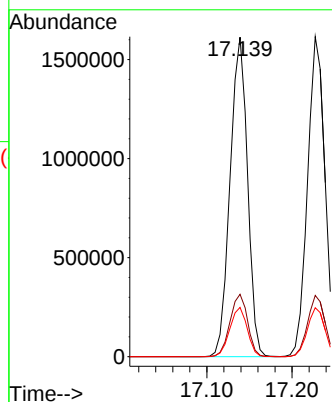
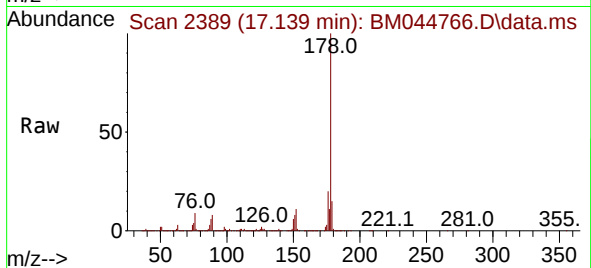
Tgt Ion:178 Resp: 2292365

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.4 12.4 18.6



#72

Anthracene

Concen: 45.254 ng

RT: 17.227 min Scan# 2404

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

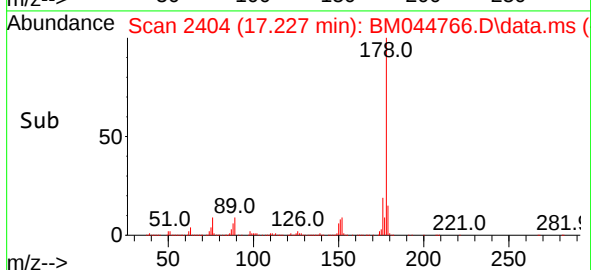
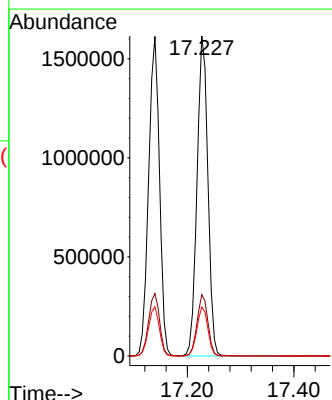
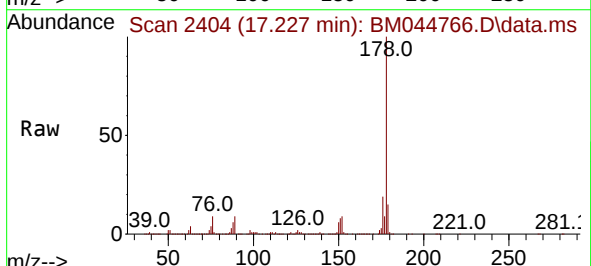
Tgt Ion:178 Resp: 2288718

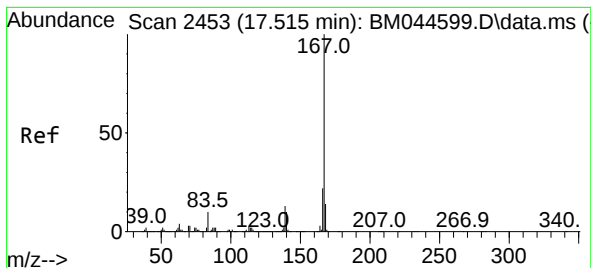
Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.3 12.2 18.4





#73

Carbazole

Concen: 47.543 ng

RT: 17.510 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

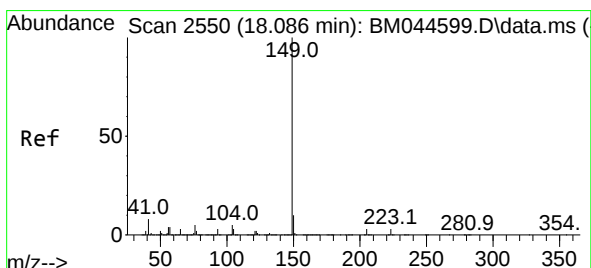
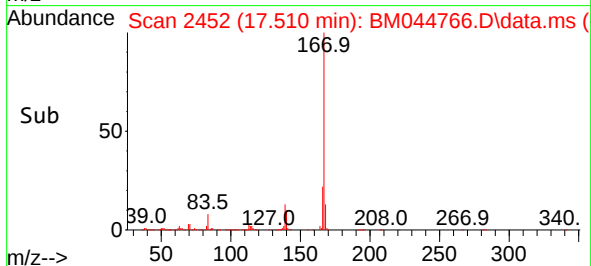
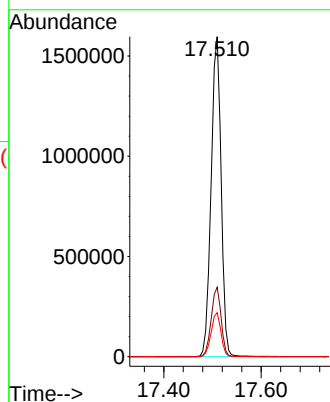
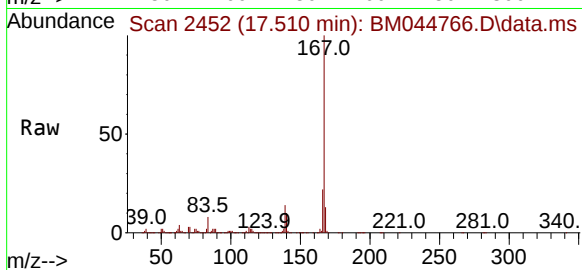
Tgt Ion:167 Resp: 2264619

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 13.8 10.6 15.8



#74

Di-n-butylphthalate

Concen: 45.035 ng

RT: 18.074 min Scan# 2548

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

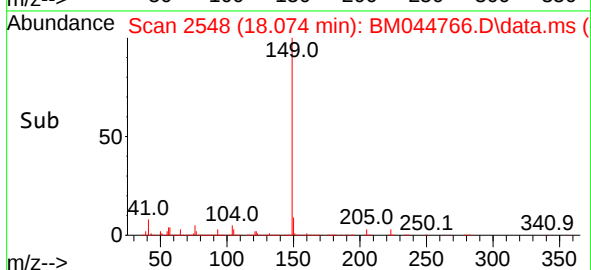
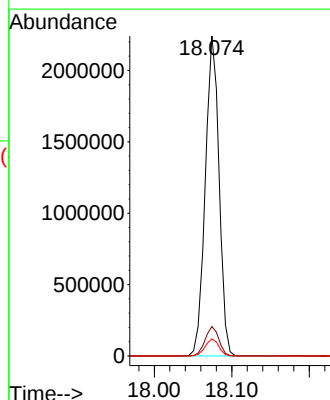
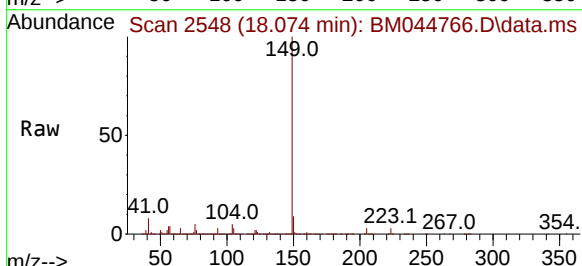
Tgt Ion:149 Resp: 2764147

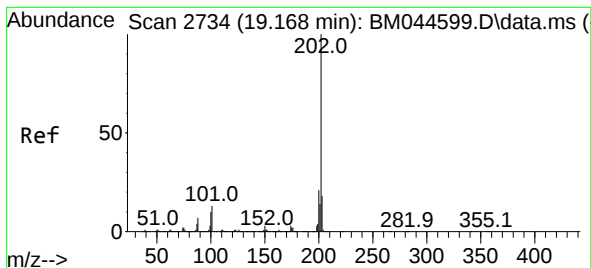
Ion Ratio Lower Upper

149 100

150 9.2 7.6 11.4

104 5.3 4.0 6.0





#75

Fluoranthene

Concen: 46.464 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

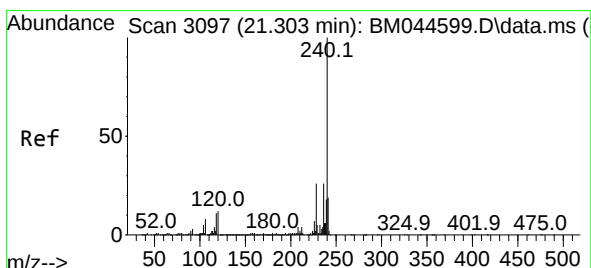
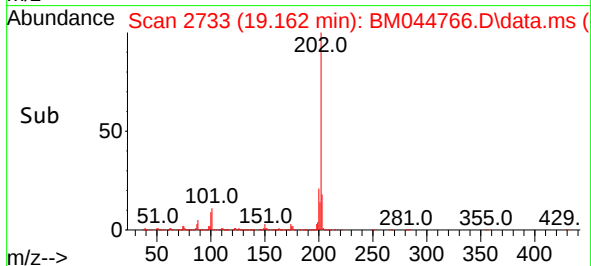
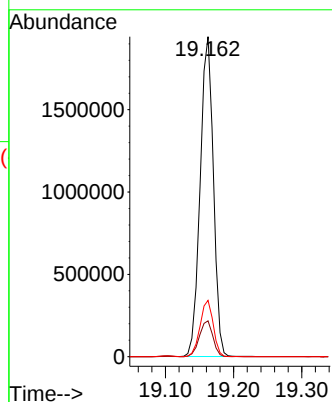
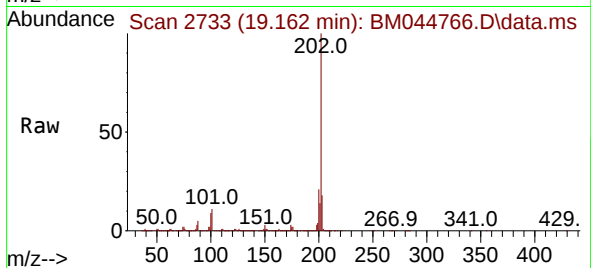
Tgt Ion:202 Resp: 2619154

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.3

203 17.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.297 min Scan# 3096

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

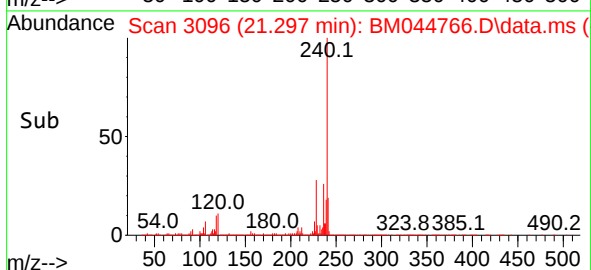
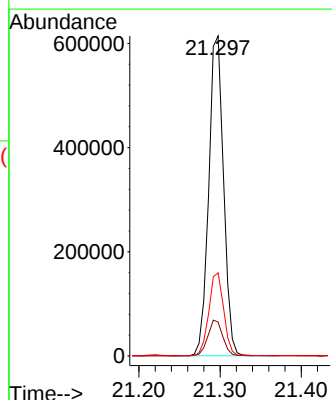
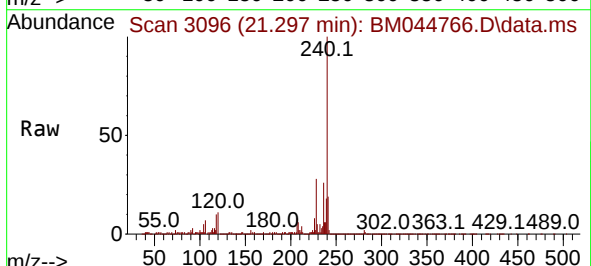
Tgt Ion:240 Resp: 777184

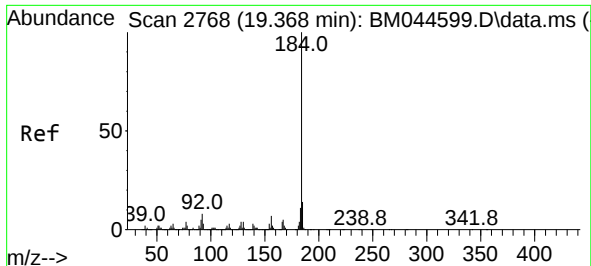
Ion Ratio Lower Upper

240 100

120 10.6 9.7 14.5

236 26.0 21.0 31.4

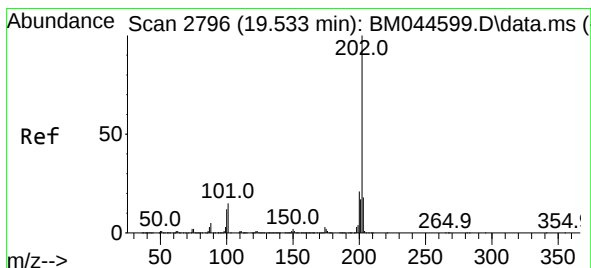
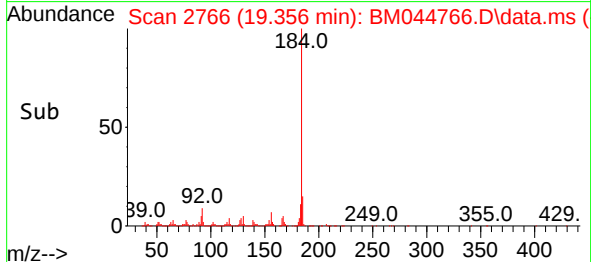
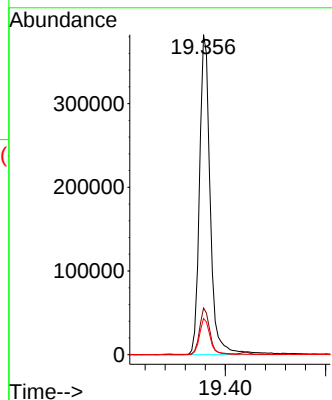
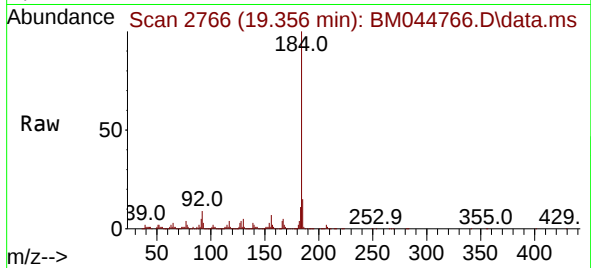




#77  
Benzidine  
Concen: 28.252 ng  
RT: 19.356 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

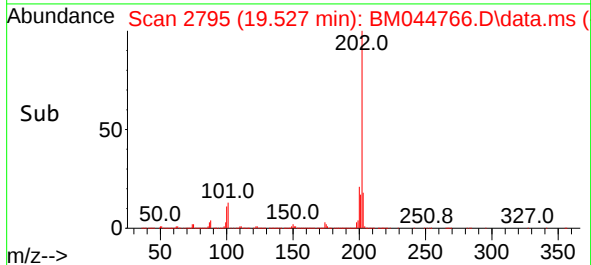
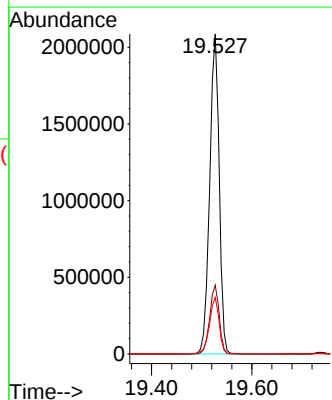
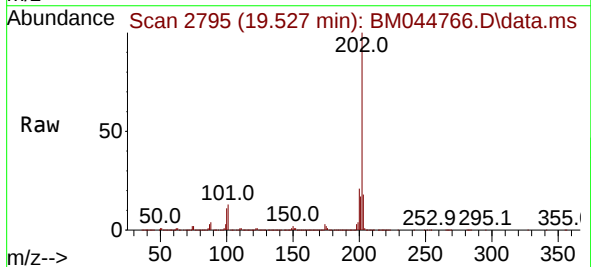
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

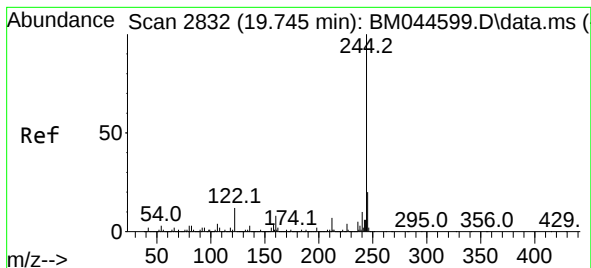
Tgt Ion:184 Resp: 567486  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.0 16.6  
183 11.3 8.7 13.1



#78  
Pyrene  
Concen: 48.297 ng  
RT: 19.527 min Scan# 2795  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:202 Resp: 2751087  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.0 25.4  
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 90.728 ng

RT: 19.739 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

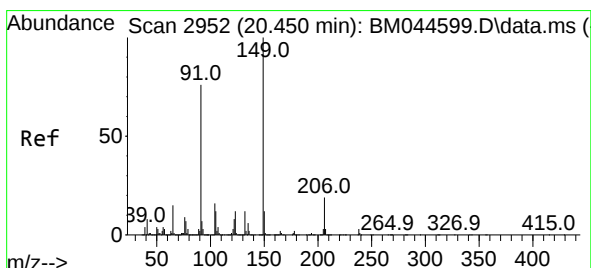
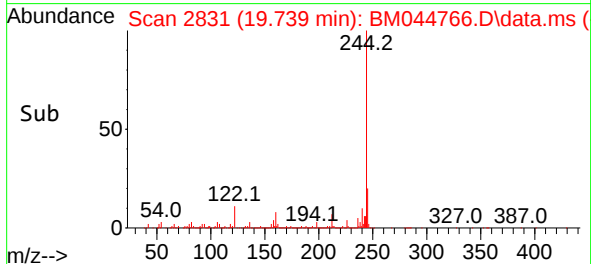
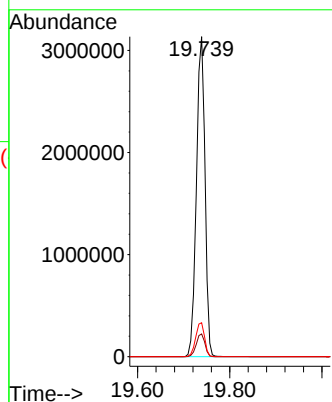
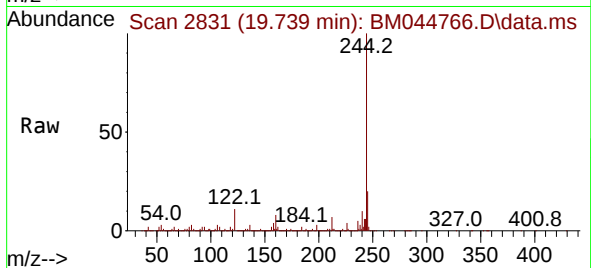
Tgt Ion:244 Resp: 4030768

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 10.6 9.7 14.5



#80

Butylbenzylphthalate

Concen: 50.236 ng

RT: 20.439 min Scan# 2950

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

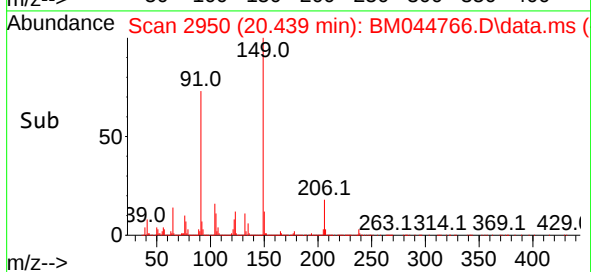
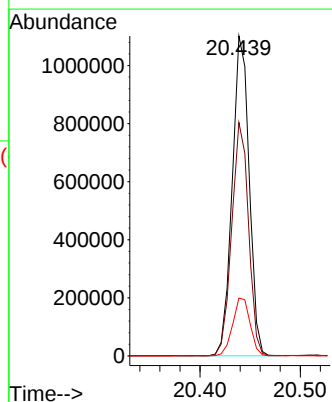
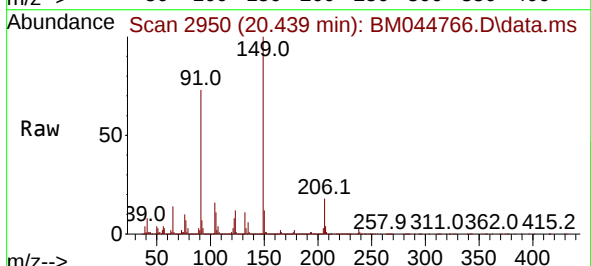
Tgt Ion:149 Resp: 1289644

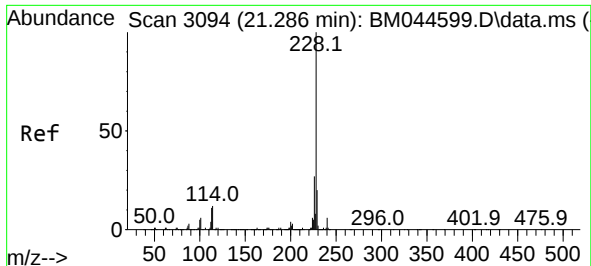
Ion Ratio Lower Upper

149 100

91 72.9 61.0 91.6

206 18.1 15.0 22.6

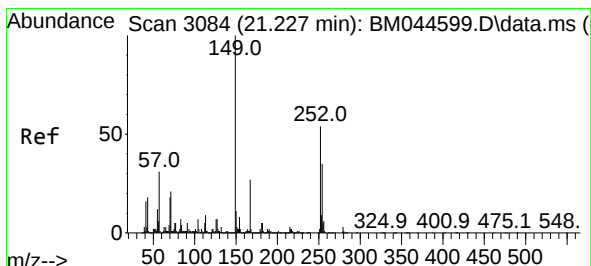
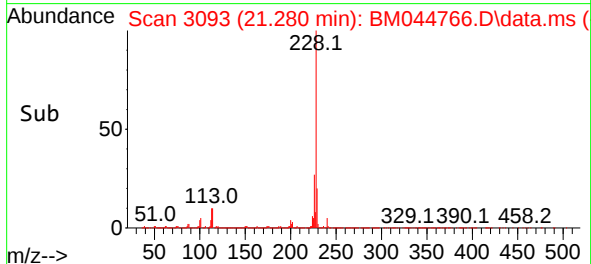
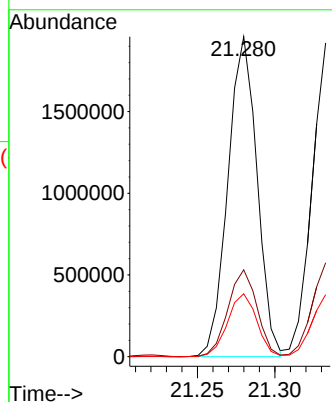
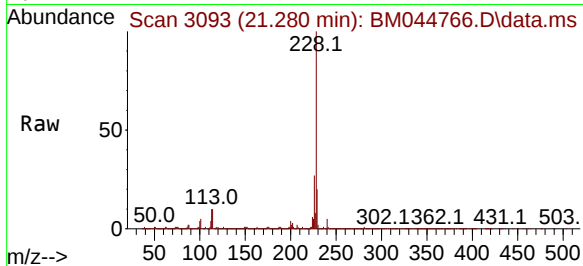




#81  
Benzo(a)anthracene  
Concen: 47.278 ng  
RT: 21.280 min Scan# 3094  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

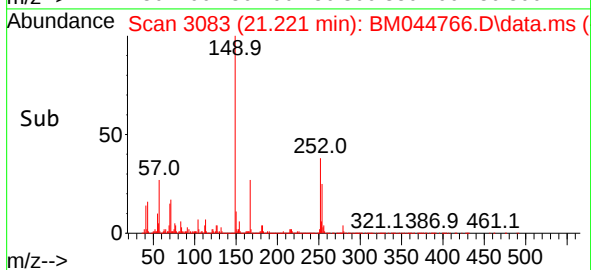
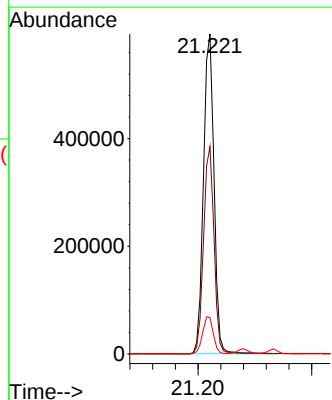
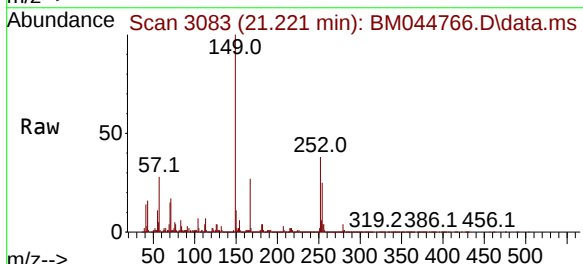
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

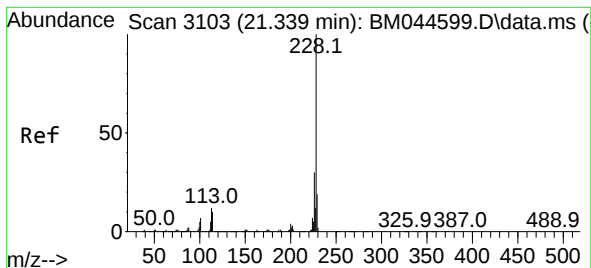
Tgt Ion:228 Resp: 2556601  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.9 32.9  
229 19.6 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 41.145 ng  
RT: 21.221 min Scan# 3083  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:252 Resp: 766299  
Ion Ratio Lower Upper  
252 100  
254 64.8 51.4 77.0  
126 11.4 9.8 14.6





#83

Chrysene

Concen: 45.613 ng

RT: 21.333 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

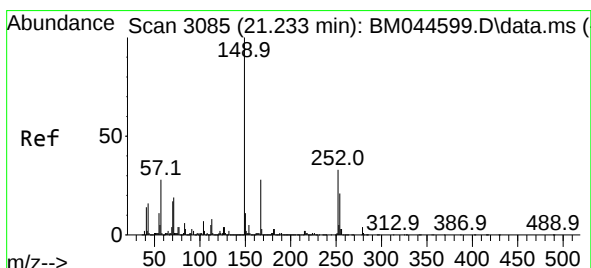
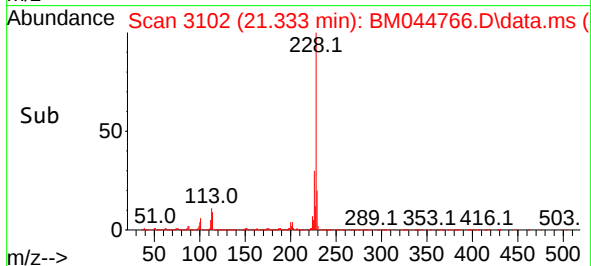
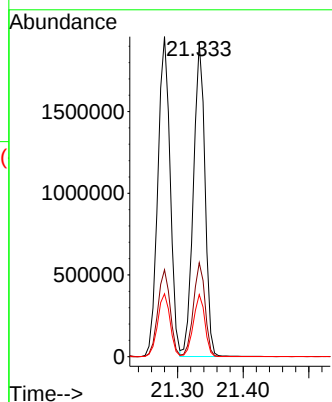
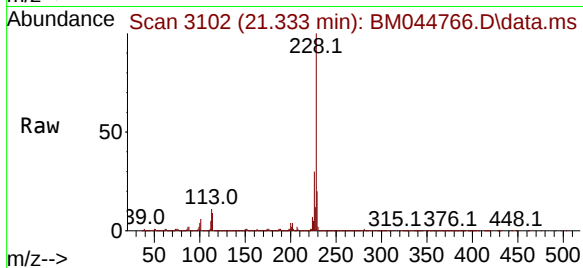
Tgt Ion:228 Resp: 2356955

Ion Ratio Lower Upper

228 100

226 30.0 23.6 35.4

229 19.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.770 ng

RT: 21.221 min Scan# 3083

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

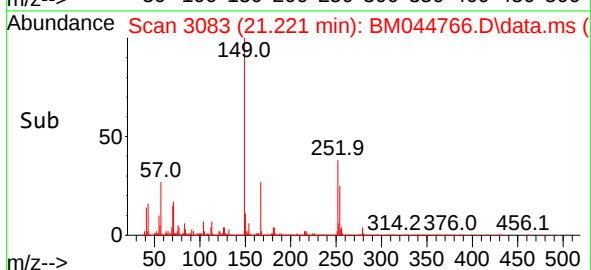
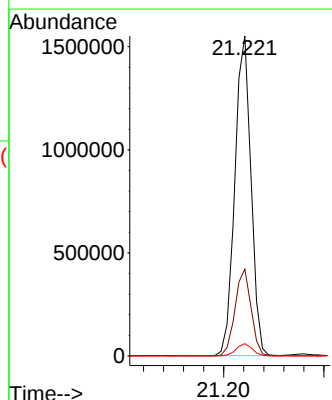
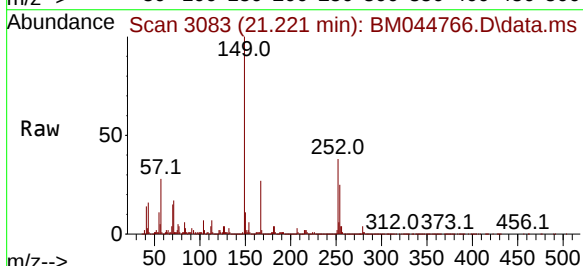
Tgt Ion:149 Resp: 1731478

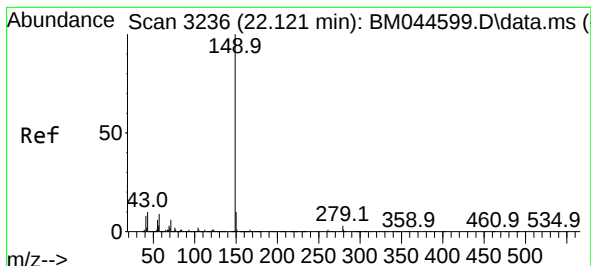
Ion Ratio Lower Upper

149 100

167 27.2 22.1 33.1

279 3.9 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 44.601 ng

RT: 22.109 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

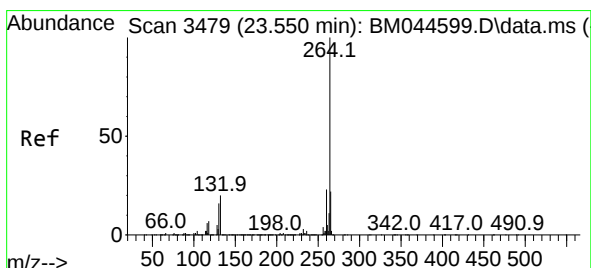
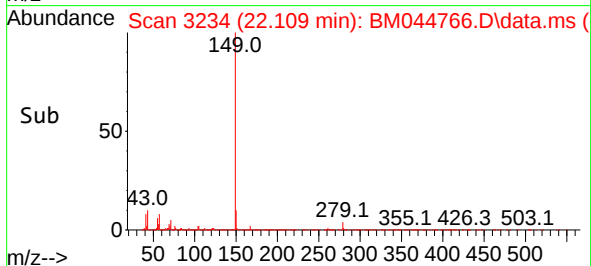
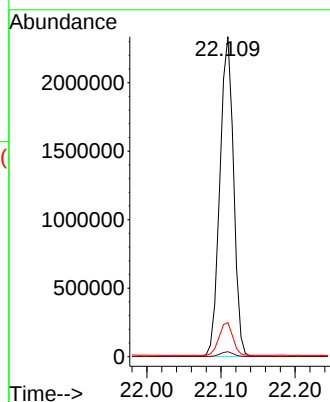
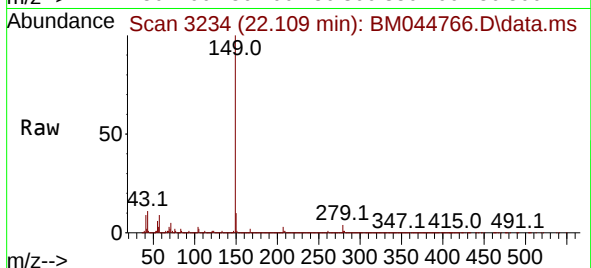
Tgt Ion:149 Resp: 2992084

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.4 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.539 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

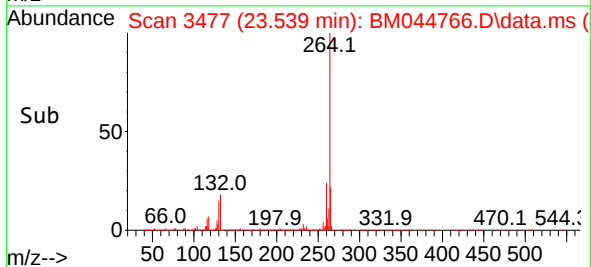
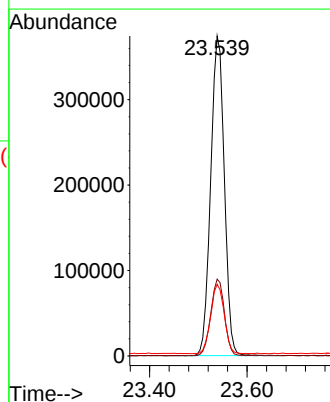
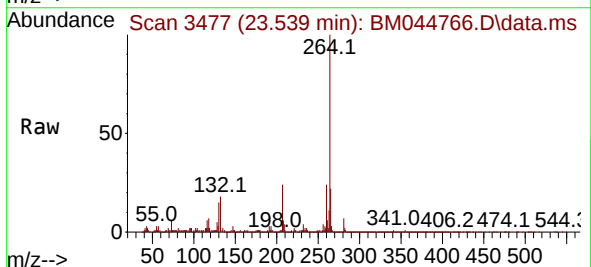
Tgt Ion:264 Resp: 724855

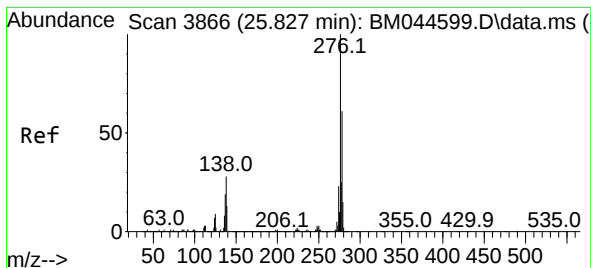
Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 22.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.047 ng

RT: 25.821 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

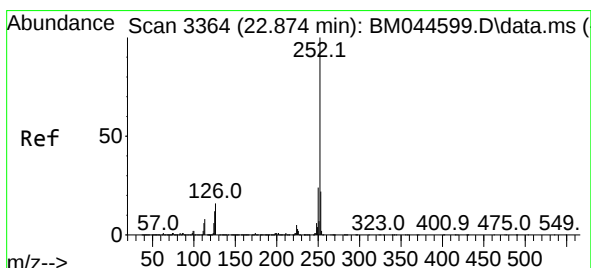
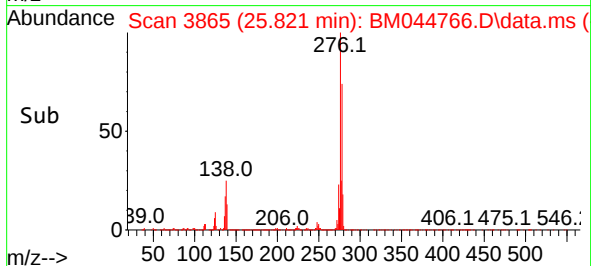
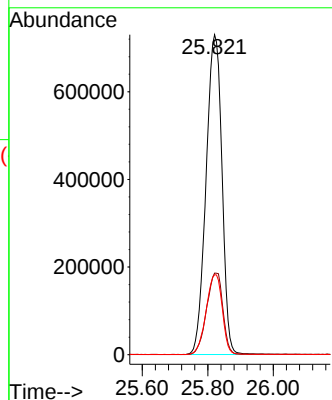
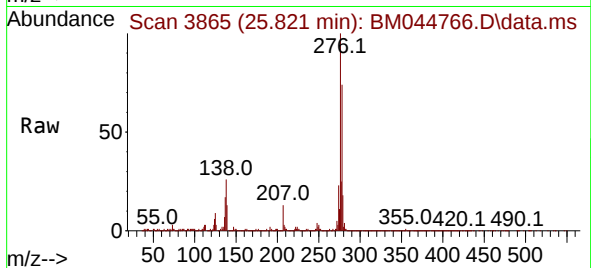
Tgt Ion:276 Resp: 2465262

Ion Ratio Lower Upper

276 100

138 26.1 23.6 35.4

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 55.280 ng

RT: 22.868 min Scan# 3363

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

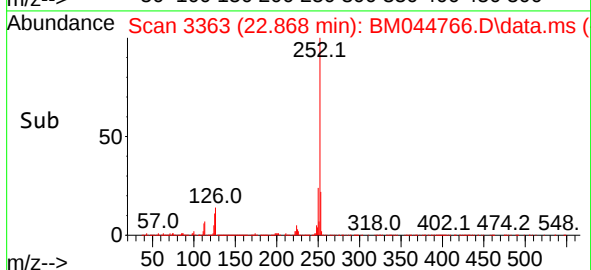
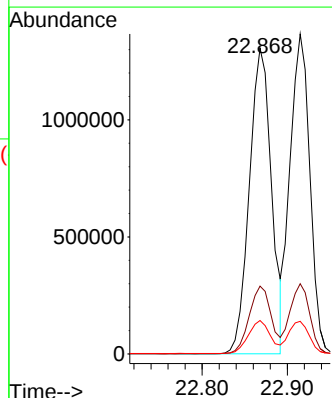
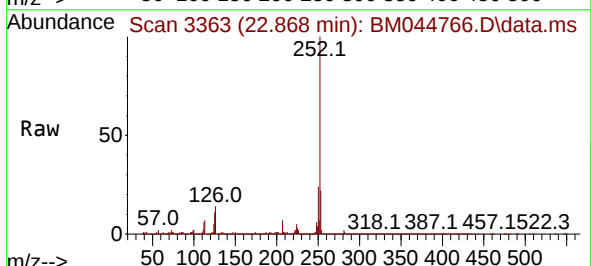
Tgt Ion:252 Resp: 2354823

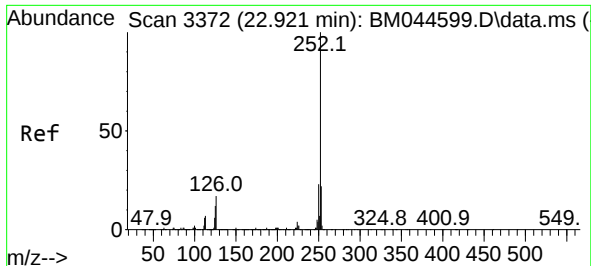
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 10.9 9.6 14.4

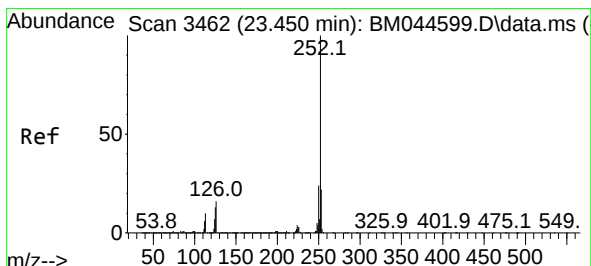
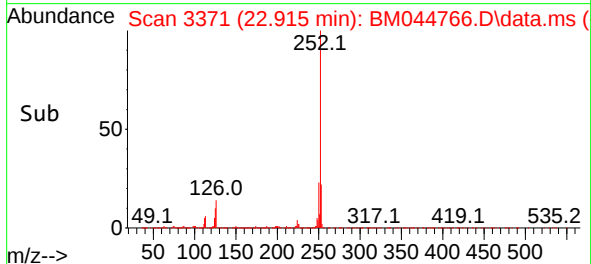
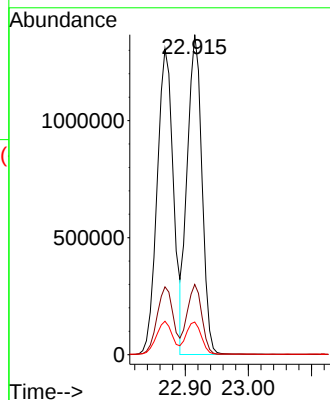
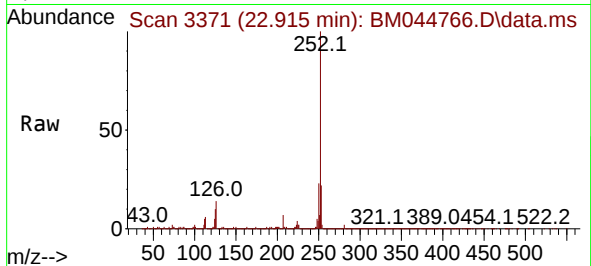




#89  
Benzo(k)fluoranthene  
Concen: 50.458 ng  
RT: 22.915 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

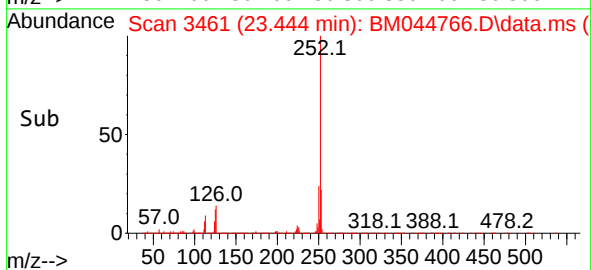
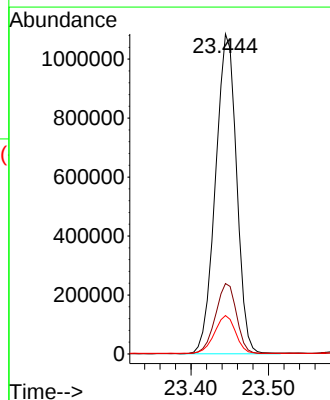
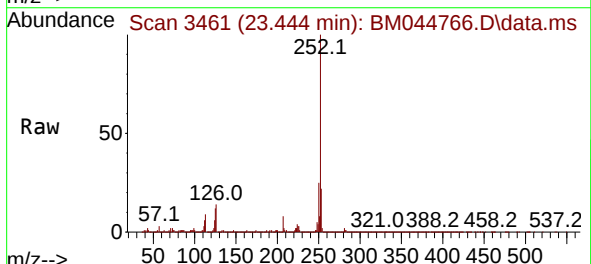
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BS

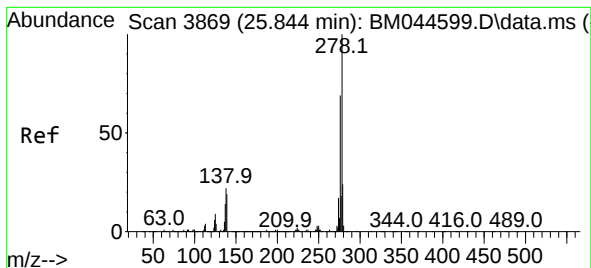
Tgt Ion:252 Resp: 2209645  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.6 26.4  
125 10.2 9.4 14.0



#90  
Benzo(a)pyrene  
Concen: 49.345 ng  
RT: 23.444 min Scan# 3461  
Delta R.T. -0.006 min  
Lab File: BM044766.D  
Acq: 26 Mar 2024 13:29

Tgt Ion:252 Resp: 2050209  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.7 26.5  
125 12.0 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 46.734 ng

RT: 25.838 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Instrument :

BNA\_M

ClientSampleId :

PB159773BS

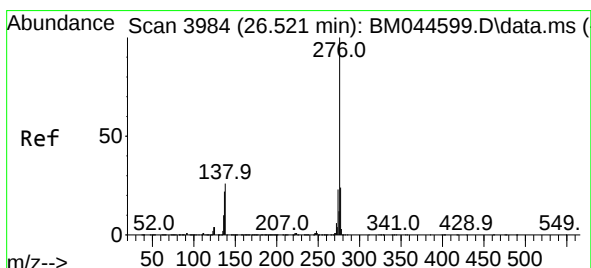
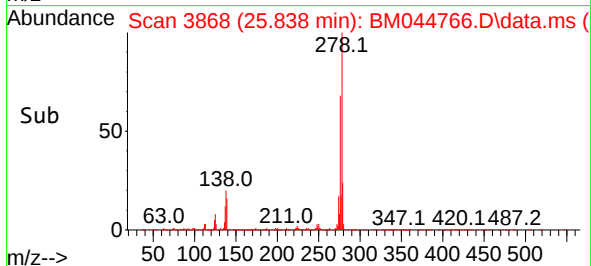
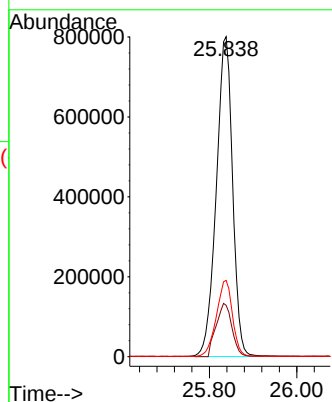
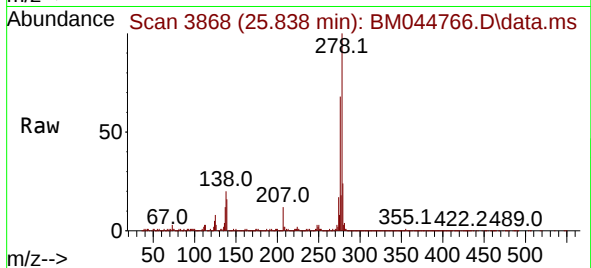
Tgt Ion:278 Resp: 2064512

Ion Ratio Lower Upper

278 100

139 16.1 15.0 22.6

279 23.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 45.588 ng

RT: 26.515 min Scan# 3983

Delta R.T. -0.006 min

Lab File: BM044766.D

Acq: 26 Mar 2024 13:29

Tgt Ion:276 Resp: 1982439

Ion Ratio Lower Upper

276 100

277 23.4 19.3 28.9

138 22.5 20.7 31.1

