

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082423\  
 Data File : BF134917.D  
 Acq On : 24 Aug 2023 10:59  
 Operator : CG\JU  
 Sample : PB154990BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154990BS

Quant Time: Aug 25 01:16:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 22 19:33:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 127363   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 525956   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 271082   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.327 | 188  | 512886   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 241611   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 256312   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1048988  | 131.339 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 1308687  | 128.230 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 835354   | 87.519  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 424569   | 132.982 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1525962  | 87.021  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1651523  | 94.015  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.622  | 88   | 128006   | 36.930  | ng    | 99       |
| 3) Pyridine                   | 3.381  | 79   | 343719   | 36.798  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.340  | 42   | 192520   | 46.617  | ng    | 99       |
| 6) Aniline                    | 6.463  | 93   | 408192   | 32.361  | ng    | 93       |
| 8) 2-Chlorophenol             | 6.587  | 128  | 426599   | 50.902  | ng    | 98       |
| 9) Benzaldehyde               | 6.351  | 77   | 165162   | 29.507  | ng    | 100      |
| 10) Phenol                    | 6.457  | 94   | 495950   | 47.464  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.539  | 93   | 380209   | 47.969  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.739  | 146  | 424667   | 48.584  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 435261   | 49.752  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 413597   | 51.004  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 361237   | 50.942  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 548442   | 47.784  | ng    | 99       |
| 17) 2-Methylphenol            | 7.057  | 107  | 333167   | 45.934  | ng    | 98       |
| 18) Hexachloroethane          | 7.304  | 117  | 158661   | 50.110  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 274090   | 45.984  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 394296   | 51.624  | ng    | 99       |
| 22) Acetophenone              | 7.210  | 105  | 533896   | 45.927  | ng    | 99       |
| 24) Nitrobenzene              | 7.381  | 77   | 430104   | 44.907  | ng    | 99       |
| 25) Isophorone                | 7.622  | 82   | 777957   | 43.649  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.692  | 139  | 227041   | 47.616  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 345675   | 44.448  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.834  | 93   | 478985   | 45.091  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 349606   | 45.497  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 378406   | 46.386  | ng    | 100      |
| 31) Naphthalene               | 8.098  | 128  | 1182873  | 45.040  | ng    | 100      |
| 32) Benzoic acid              | 7.869  | 122  | 280575   | 48.886  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 222637   | 19.758  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 220374   | 45.421  | ng    | 98       |
| 35) Caprolactam               | 8.528  | 113  | 68532    | 28.570  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 376544   | 46.436  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 758890   | 43.330  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.892  | 142  | 717686   | 43.823  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 365784   | 44.282  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.945  | 237  | 376476   | 102.943 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.075  | 196  | 254048   | 46.568  | ng    | 98       |

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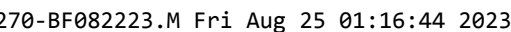
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154990BS

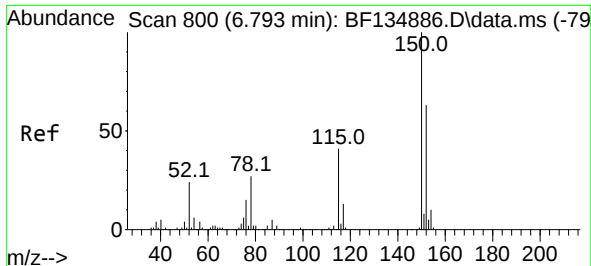
Quant Time: Aug 25 01:16:33 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 22 19:33:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 270182   | 42.778  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 959716   | 44.844  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.280  | 162  | 737142   | 46.121  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.380  | 65   | 242866   | 46.226  | ng    | 96       |
| 49) Acenaphthylene            | 9.698  | 152  | 1154949  | 46.924  | ng    | 100      |
| 50) Dimethylphthalate         | 9.569  | 163  | 881006   | 45.658  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 200684   | 47.155  | ng    | 92       |
| 52) Acenaphthene              | 9.875  | 154  | 695285   | 44.840  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 145028   | 31.200  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 210150   | 104.362 | ng    | 91       |
| 55) Dibenzofuran              | 10.045 | 168  | 1020818  | 45.218  | ng    | 97       |
| 56) 4-Nitrophenol             | 9.975  | 139  | 323715   | 99.931  | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 260256   | 49.448  | ng    | 91       |
| 58) Fluorene                  | 10.392 | 166  | 782357   | 45.692  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 239820   | 48.735  | ng    | 99       |
| 60) Diethylphthalate          | 10.269 | 149  | 824002   | 46.610  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204  | 384638   | 44.812  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 205589   | 47.312  | ng    | 100      |
| 63) Azobenzene                | 10.545 | 77   | 798029   | 45.440  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 145420   | 48.051  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.504 | 169  | 731034   | 44.261  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.874 | 248  | 258018   | 43.605  | ng    | 94       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 293187   | 46.589  | ng    | 98       |
| 69) Atrazine                  | 11.039 | 200  | 247076   | 55.090  | ng    | 100      |
| 70) Pentachlorophenol         | 11.139 | 266  | 283460   | 74.846  | ng    | 96       |
| 71) Phenanthrene              | 11.357 | 178  | 1206960  | 44.908  | ng    | 99       |
| 72) Anthracene                | 11.410 | 178  | 1234031  | 44.813  | ng    | 100      |
| 73) Carbazole                 | 11.569 | 167  | 1073800  | 47.322  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.898 | 149  | 1230162  | 47.269  | ng    | 100      |
| 75) Fluoranthene              | 12.551 | 202  | 1209557  | 47.498  | ng    | 100      |
| 77) Benzidine                 | 12.674 | 184  | 259897   | 66.299  | ng    | 99       |
| 78) Pyrene                    | 12.780 | 202  | 1196981  | 46.726  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 409130   | 52.420  | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 775191   | 47.025  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 192518   | 36.899  | ng    | 99       |
| 83) Chrysene                  | 14.015 | 228  | 748858   | 46.042  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 427900   | 50.612  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 659865   | 47.863  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 880419   | 48.055  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 754972   | 52.208  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.062 | 252  | 680684   | 47.934  | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 675073   | 46.763  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.980 | 278  | 711339   | 47.986  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 691992   | 45.601  | ng    | 100      |

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

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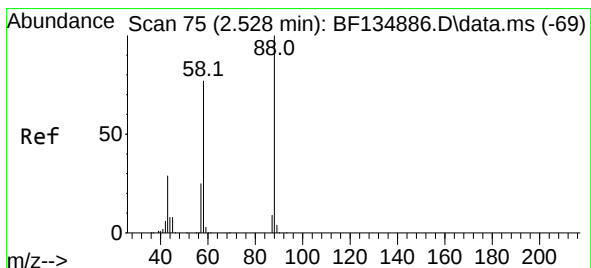
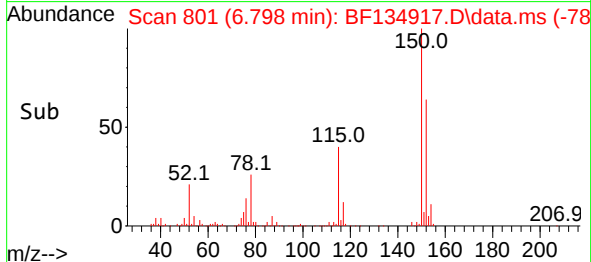
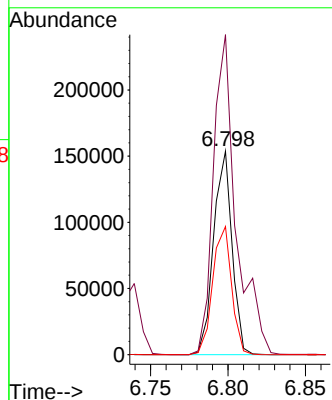
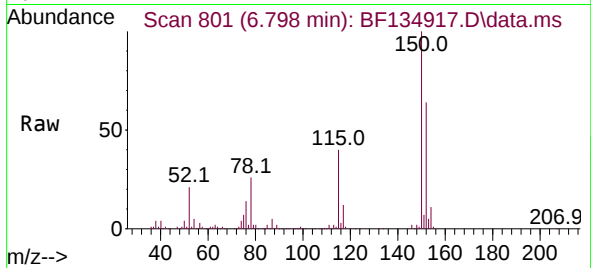




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.798 min Scan# 80  
 Delta R.T. 0.005 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

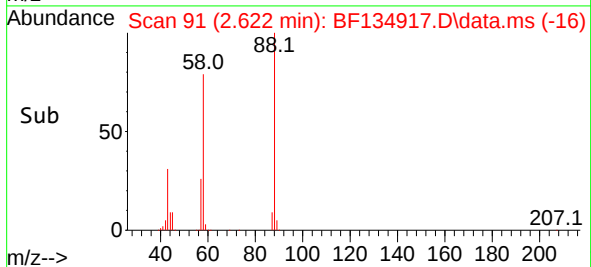
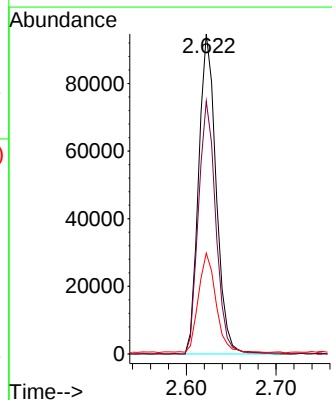
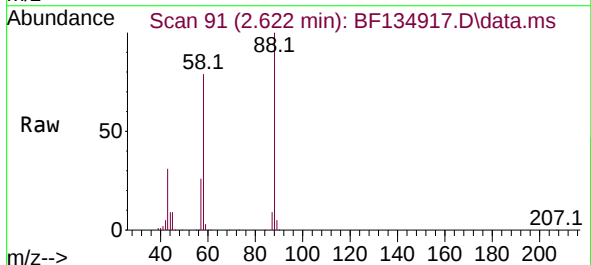
Instrument :  
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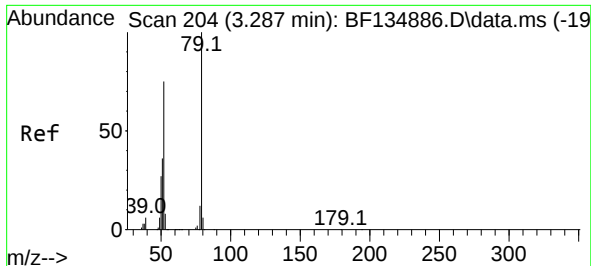
Tgt Ion:152 Resp: 127363  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 126.1 189.1  
 115 62.9 51.1 76.7



#2  
 1,4-Dioxane  
 Concen: 36.930 ng  
 RT: 2.622 min Scan# 91  
 Delta R.T. 0.094 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

Tgt Ion: 88 Resp: 128006  
 Ion Ratio Lower Upper  
 88 100  
 58 78.6 62.6 93.8  
 43 31.0 23.3 34.9

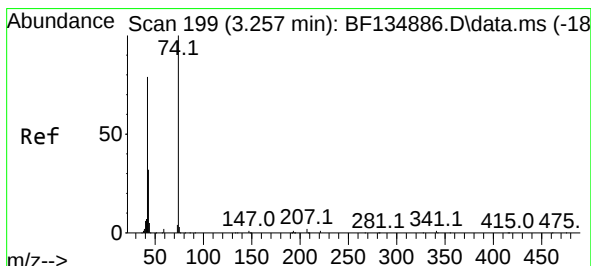
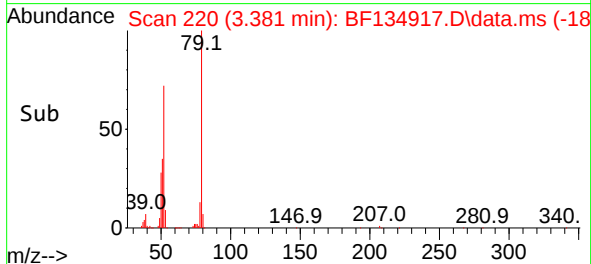
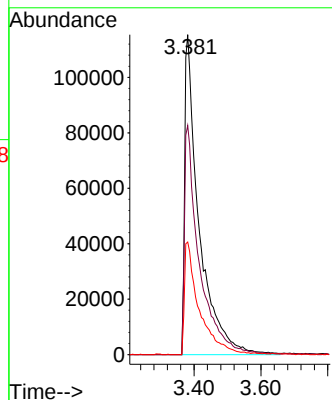
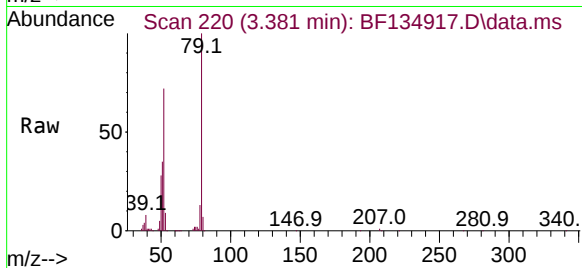




#3  
 Pyridine  
 Concen: 36.798 ng  
 RT: 3.381 min Scan# 213  
 Delta R.T. 0.094 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

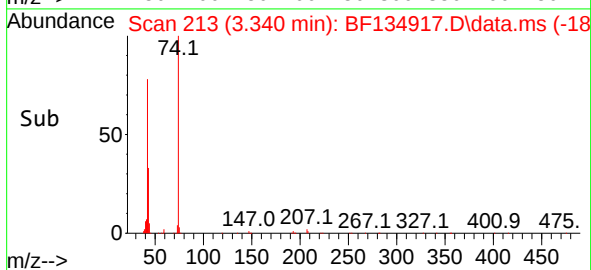
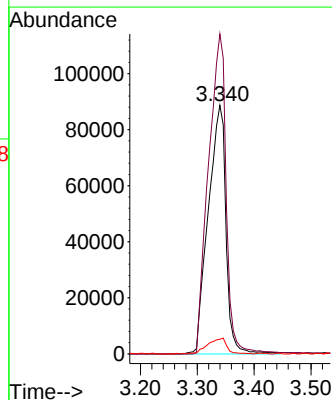
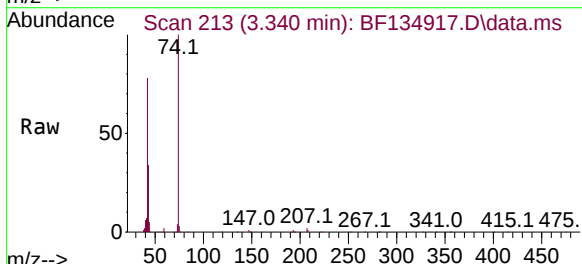
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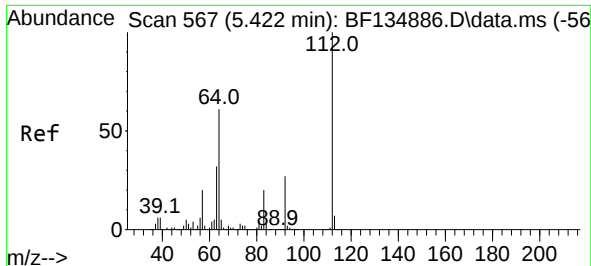
Tgt Ion: 79 Resp: 343719  
 Ion Ratio Lower Upper  
 79 100  
 52 71.6 60.1 90.1  
 51 35.2 29.4 44.0



#4  
 n-Nitrosodimethylamine  
 Concen: 46.617 ng  
 RT: 3.340 min Scan# 213  
 Delta R.T. 0.082 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

Tgt Ion: 42 Resp: 192520  
 Ion Ratio Lower Upper  
 42 100  
 74 128.7 101.8 152.8  
 44 5.9 5.4 8.0

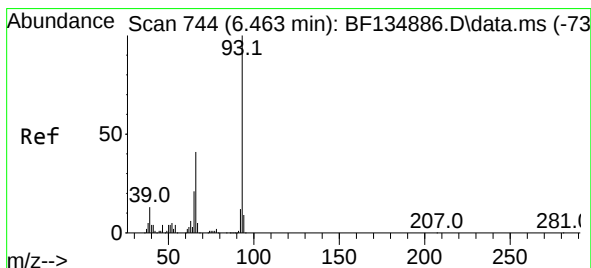
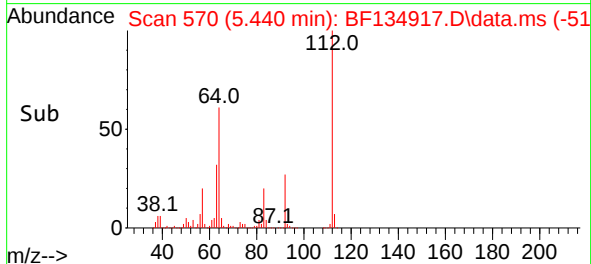
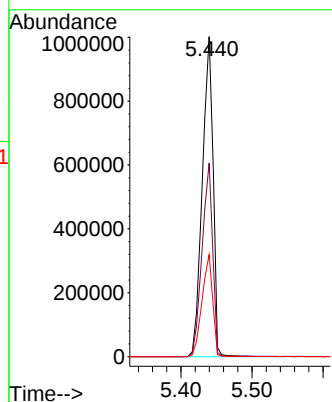
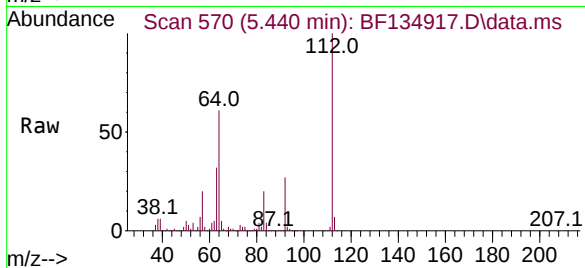




#5  
2-Fluorophenol  
Concen: 131.339 ng  
RT: 5.440 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

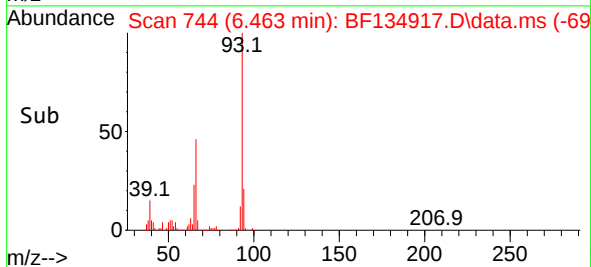
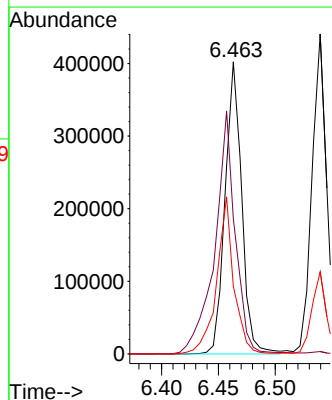
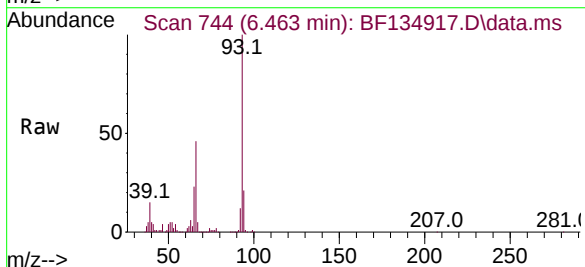
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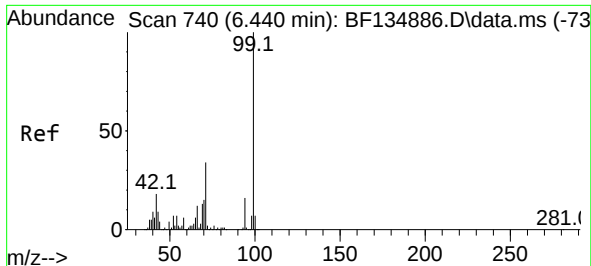
Tgt Ion:112 Resp: 1048988  
Ion Ratio Lower Upper  
112 100  
64 60.5 48.6 73.0  
63 31.9 25.7 38.5



#6  
Aniline  
Concen: 32.361 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion: 93 Resp: 408192  
Ion Ratio Lower Upper  
93 100  
66 46.3 32.7 49.1  
65 23.2 16.7 25.1



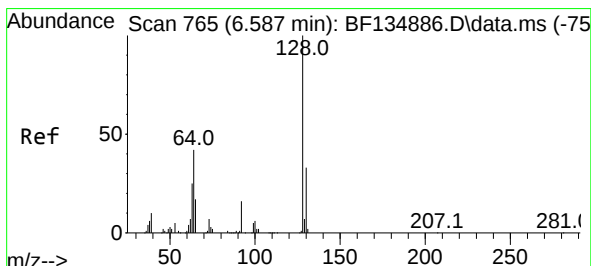
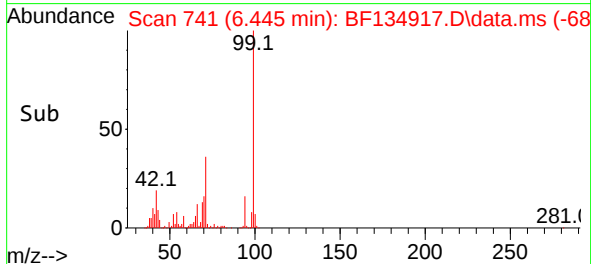
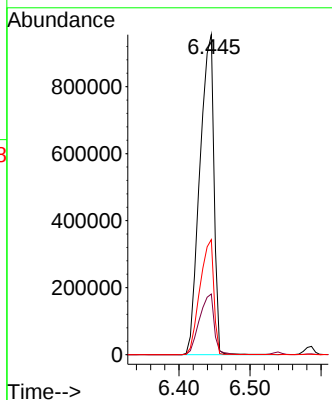
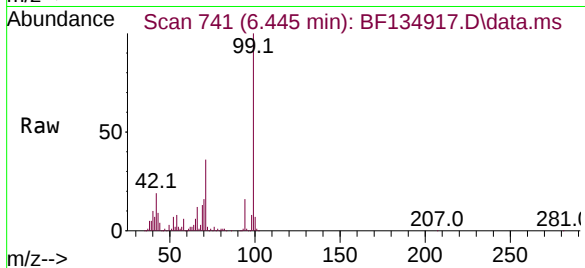


#7  
Phenol-d6  
Concen: 128.230 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

Tgt Ion: 99 Resp: 1308687

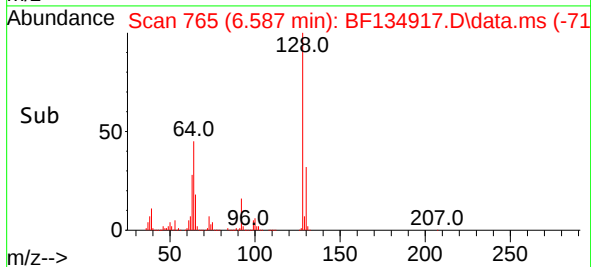
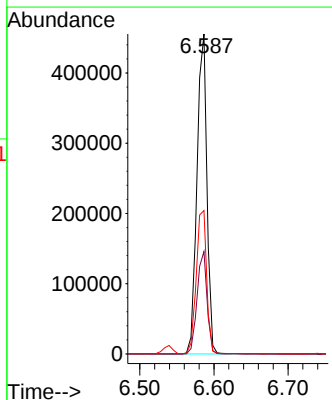
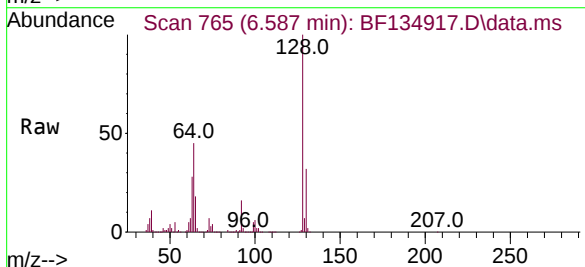
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
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| 42  | 18.9  | 14.6  | 22.0  |
| 71  | 35.9  | 27.6  | 41.4  |

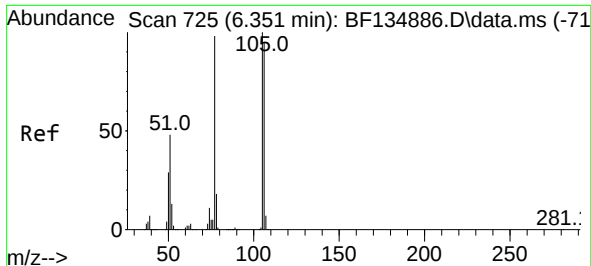


#8  
2-Chlorophenol  
Concen: 50.902 ng  
RT: 6.587 min Scan# 765  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:128 Resp: 426599

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.0  | 13.0  | 53.0  |
| 64  | 44.8  | 23.4  | 63.4  |





#9

Benzaldehyde

Concen: 29.507 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

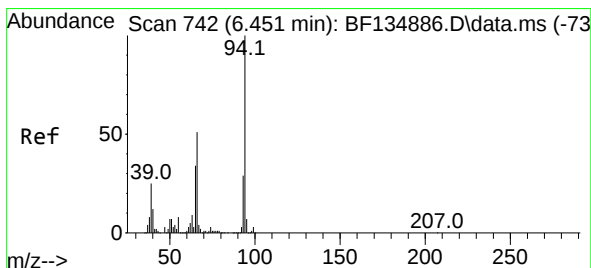
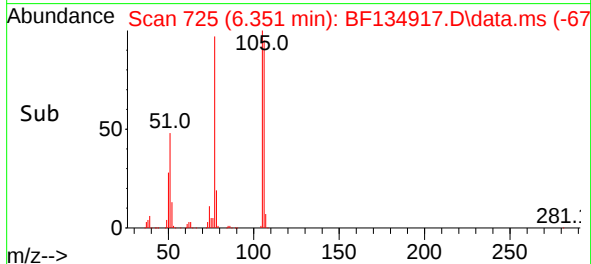
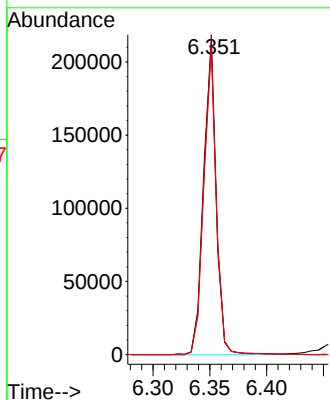
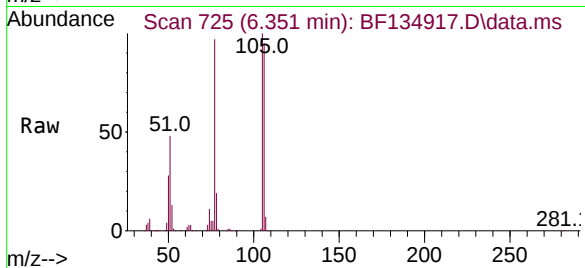
Tgt Ion: 77 Resp: 165162

Ion Ratio Lower Upper

77 100

105 102.6 82.4 122.4

106 97.8 77.2 117.2



#10

Phenol

Concen: 47.464 ng

RT: 6.457 min Scan# 743

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

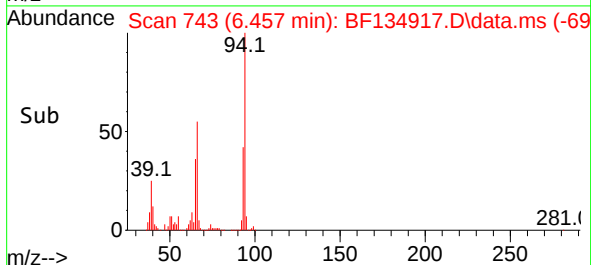
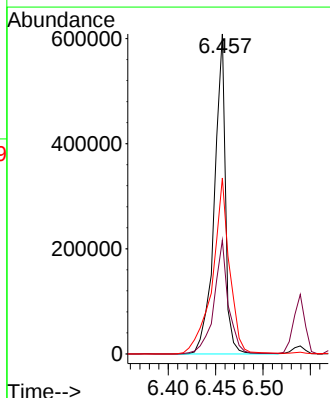
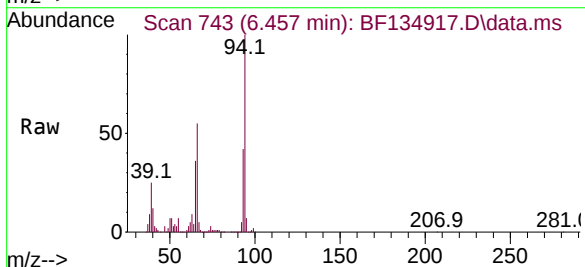
Tgt Ion: 94 Resp: 495950

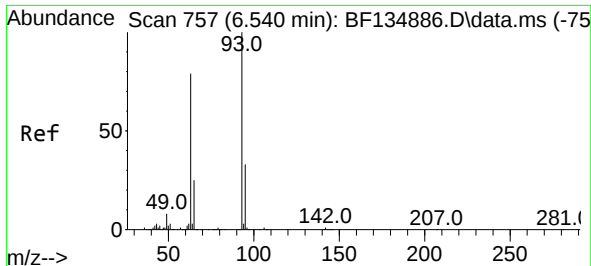
Ion Ratio Lower Upper

94 100

65 35.5 14.0 54.0

66 55.0 31.1 71.1





#11

bis(2-Chloroethyl)ether

Concen: 47.969 ng

RT: 6.539 min Scan# 711

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

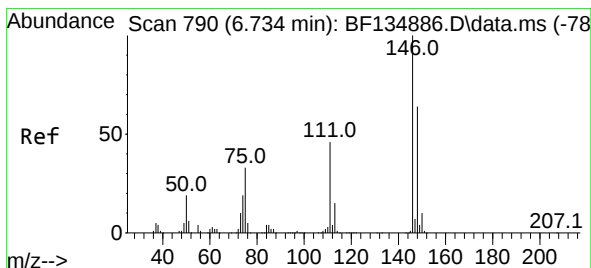
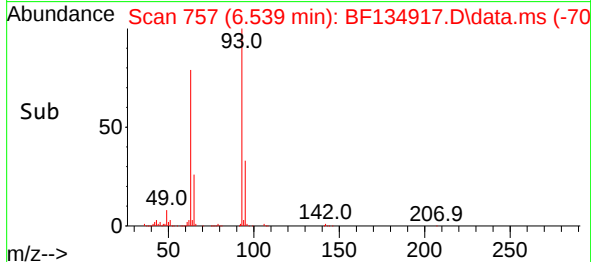
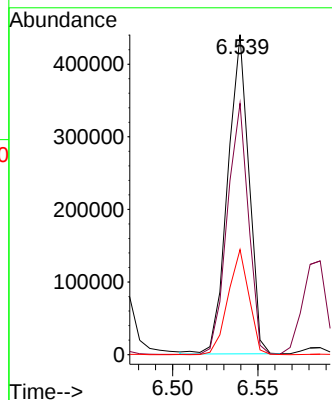
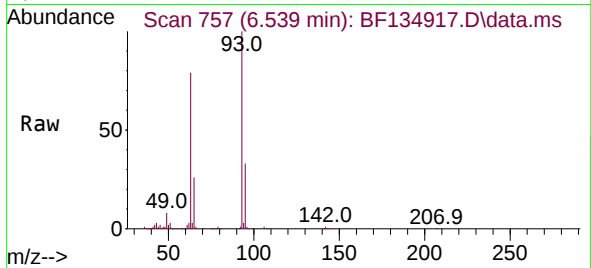
Tgt Ion: 93 Resp: 380209

Ion Ratio Lower Upper

93 100

63 78.5 58.7 98.7

95 32.8 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 48.584 ng

RT: 6.739 min Scan# 791

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

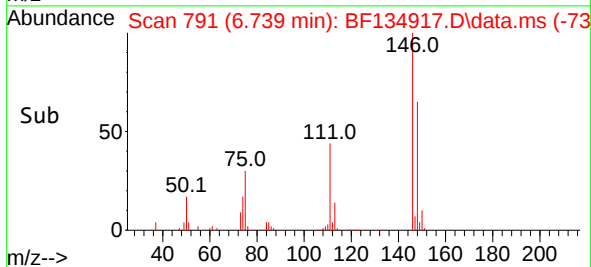
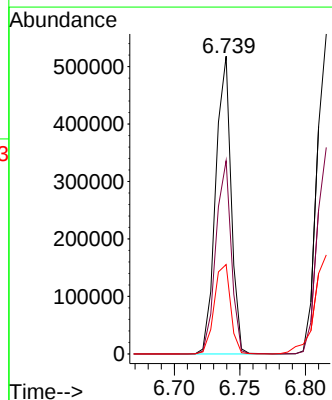
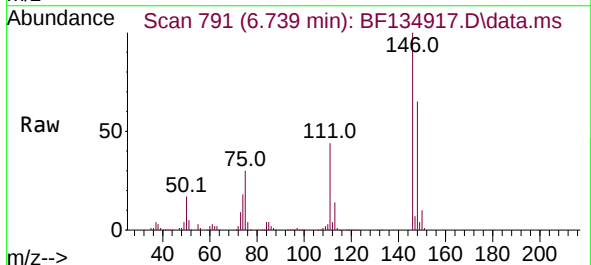
Tgt Ion: 146 Resp: 424667

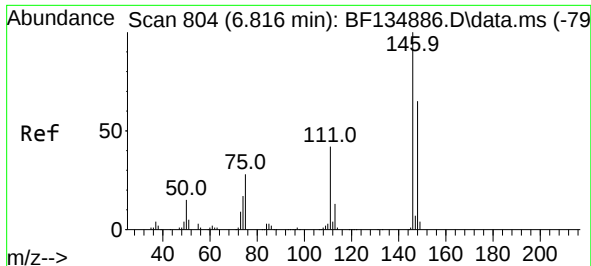
Ion Ratio Lower Upper

146 100

148 64.9 51.2 76.8

75 30.0 26.4 39.6

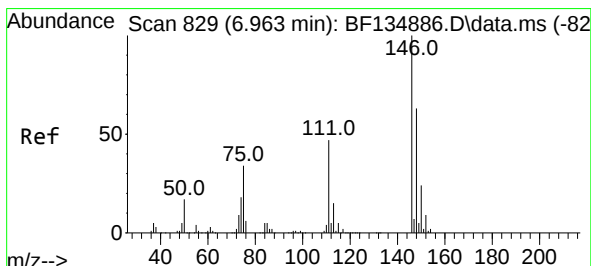
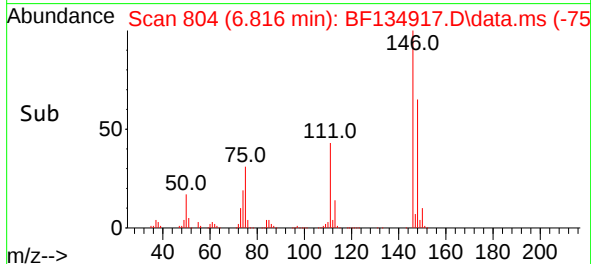
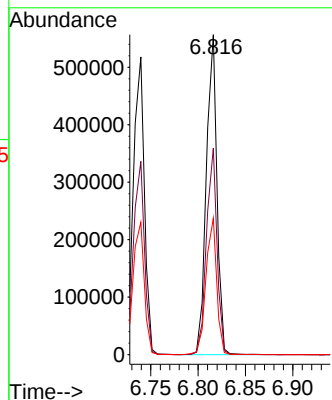
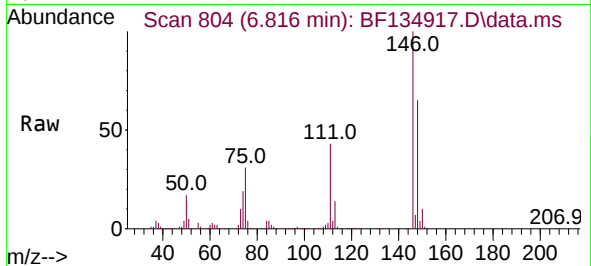




#13  
1,4-Dichlorobenzene  
Concen: 49.752 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

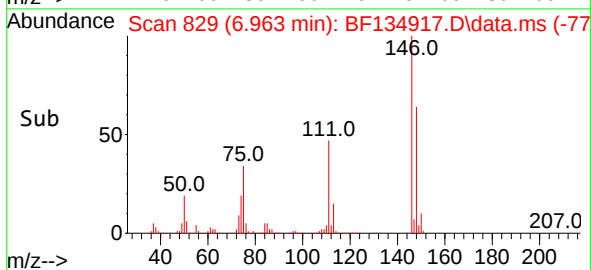
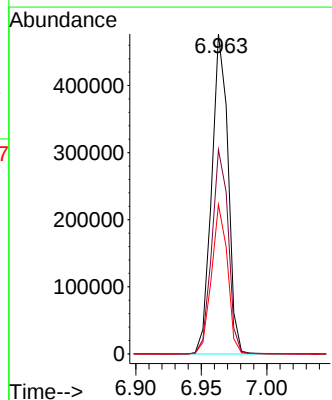
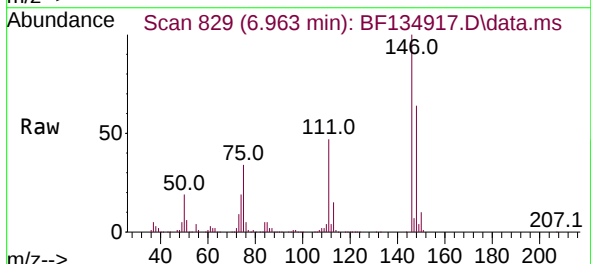
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

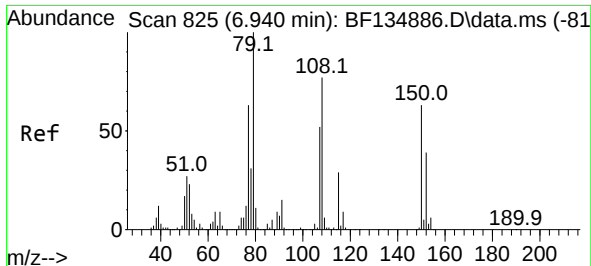
Tgt Ion:146 Resp: 435261  
Ion Ratio Lower Upper  
146 100  
148 64.5 52.1 78.1  
111 42.6 33.4 50.0



#14  
1,2-Dichlorobenzene  
Concen: 51.004 ng  
RT: 6.963 min Scan# 829  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:146 Resp: 413597  
Ion Ratio Lower Upper  
146 100  
148 63.8 50.5 75.7  
111 46.7 37.5 56.3

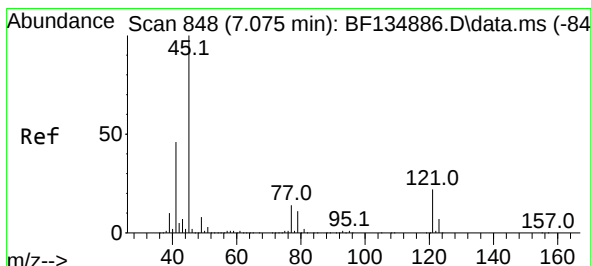
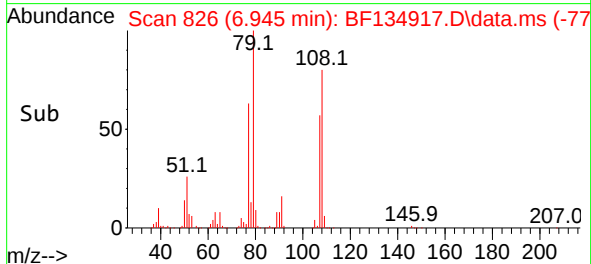
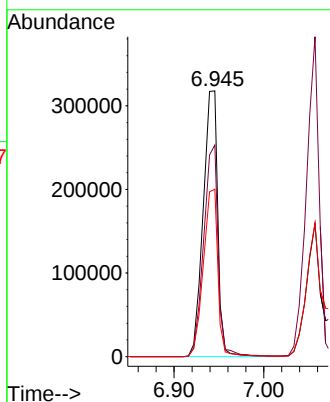
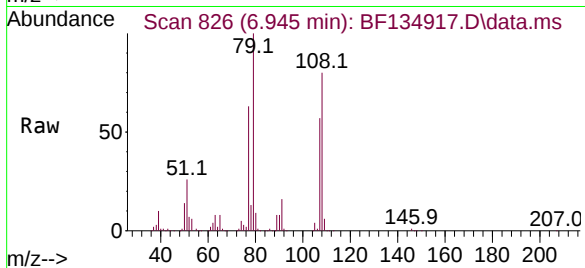




#15  
Benzyl Alcohol  
Concen: 50.942 ng  
RT: 6.945 min Scan# 81  
Delta R.T. 0.005 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

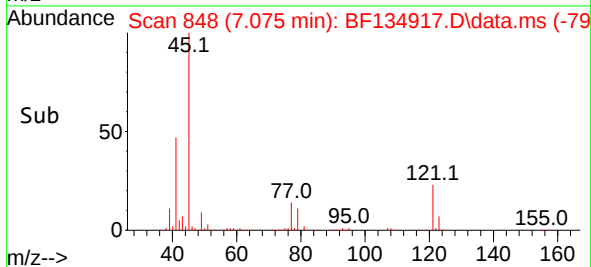
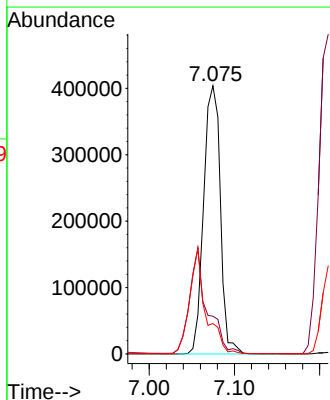
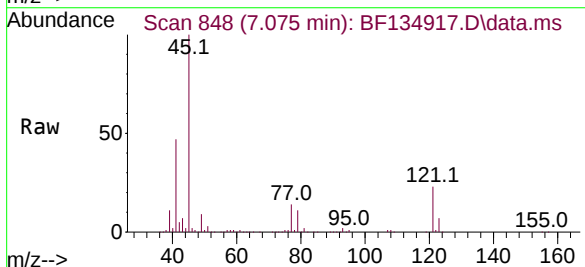
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

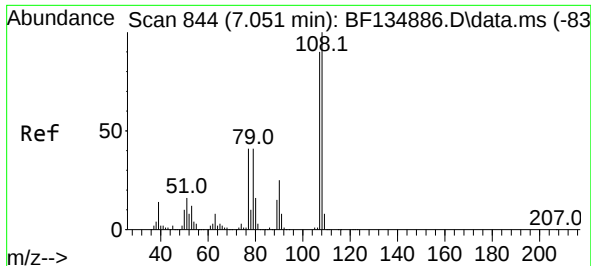
Tgt Ion: 79 Resp: 361237  
Ion Ratio Lower Upper  
79 100  
108 79.6 61.4 92.2  
77 63.0 50.1 75.1



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 47.784 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion: 45 Resp: 548442  
Ion Ratio Lower Upper  
45 100  
77 14.1 0.0 33.9  
79 11.3 0.0 31.1

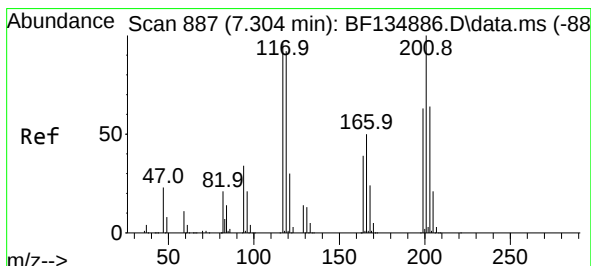
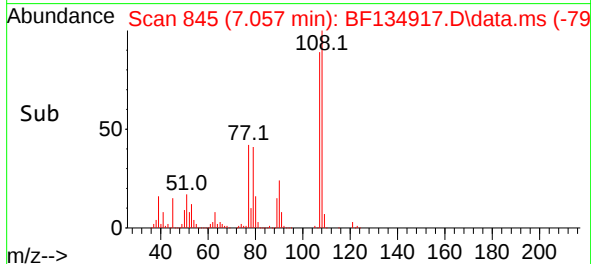
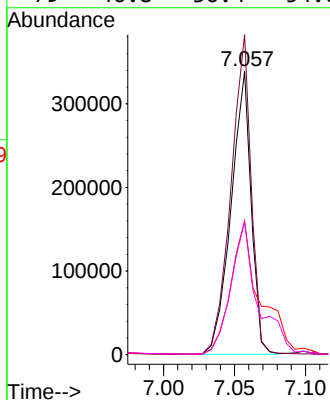
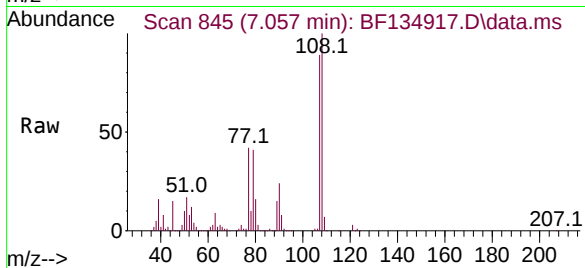




#17  
2-Methylphenol  
Concen: 45.934 ng  
RT: 7.057 min Scan# 844  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

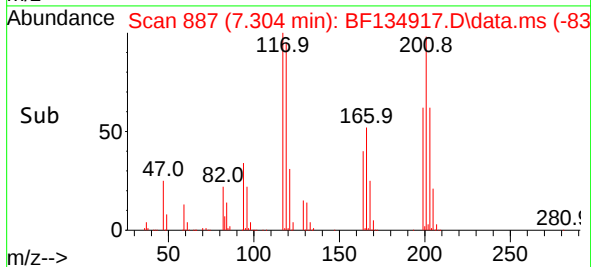
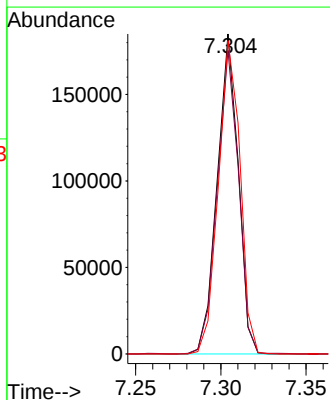
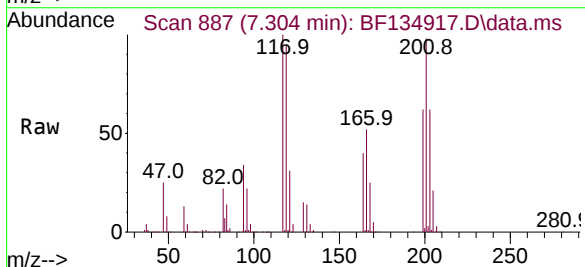
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

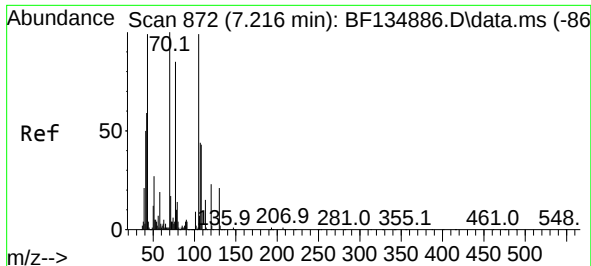
Tgt Ion:107 Resp: 333167  
Ion Ratio Lower Upper  
107 100  
108 112.9 89.0 133.6  
77 47.1 36.5 54.7  
79 46.8 36.4 54.6



#18  
Hexachloroethane  
Concen: 50.110 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:117 Resp: 158661  
Ion Ratio Lower Upper  
117 100  
119 94.9 76.6 114.8  
201 97.9 83.4 125.2





#19

n-Nitroso-di-n-propylamine

Concen: 45.984 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

Tgt Ion: 70 Resp: 274090

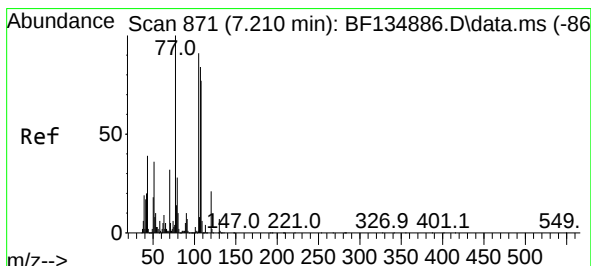
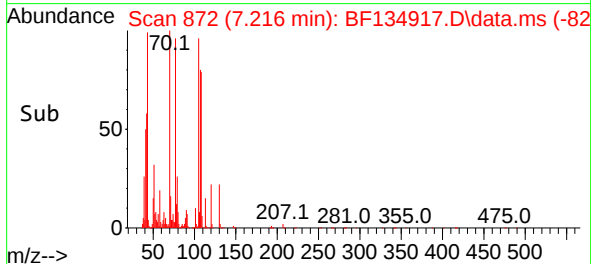
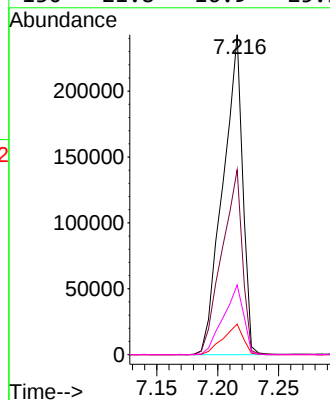
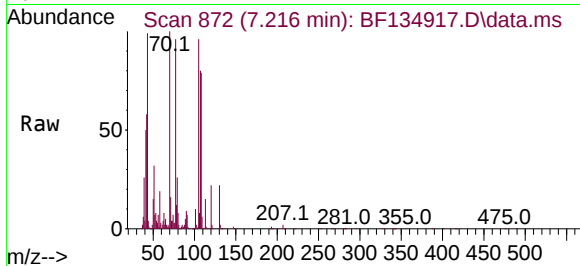
Ion Ratio Lower Upper

70 100

42 57.8 46.9 70.3

101 9.5 7.5 11.3

130 21.8 16.9 25.3



#20

3+4-Methylphenols

Concen: 51.624 ng

RT: 7.210 min Scan# 871

Delta R.T. 0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Tgt Ion: 107 Resp: 394296

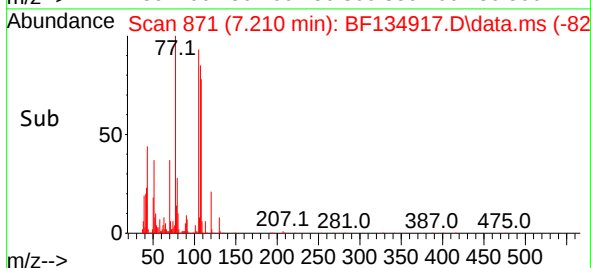
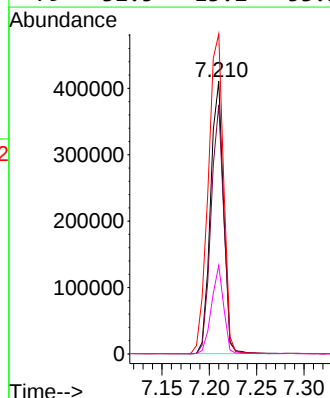
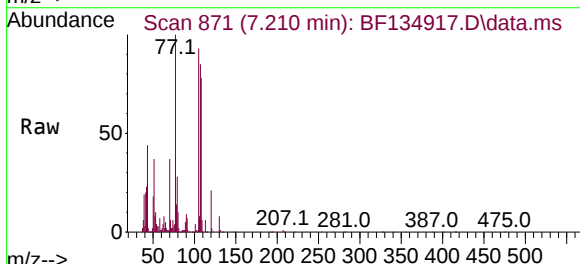
Ion Ratio Lower Upper

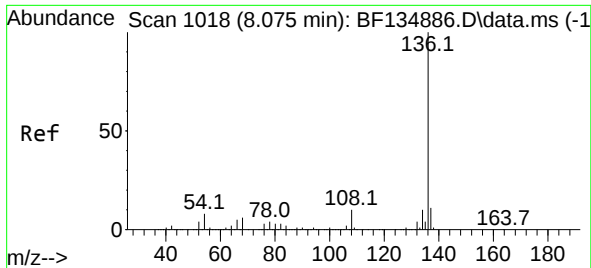
107 100

108 91.4 71.7 111.7

77 117.4 98.4 138.4

79 32.5 13.2 53.2

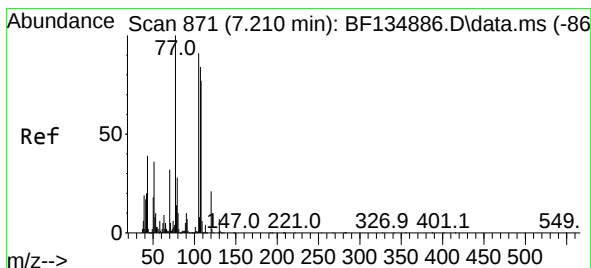
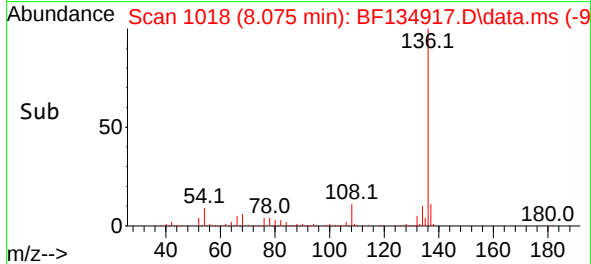
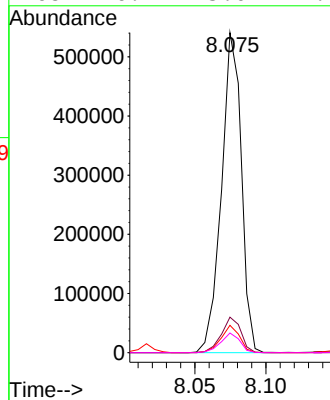
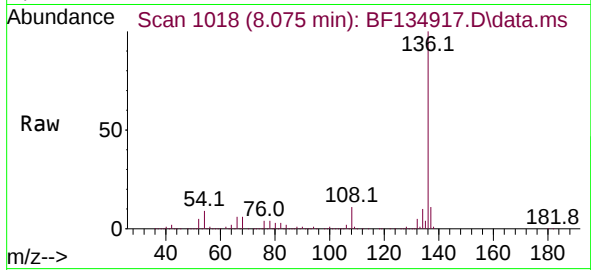




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

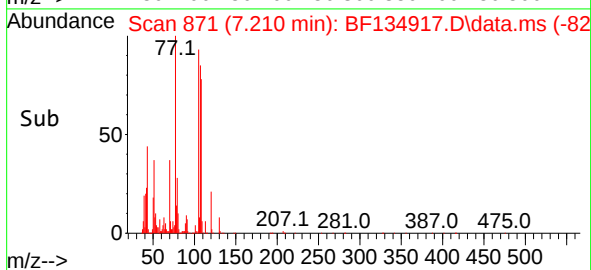
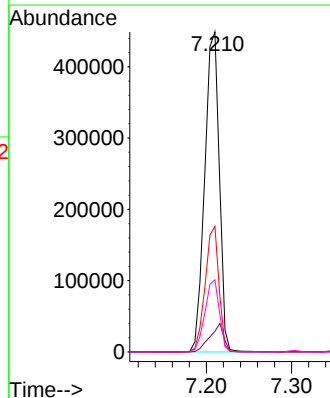
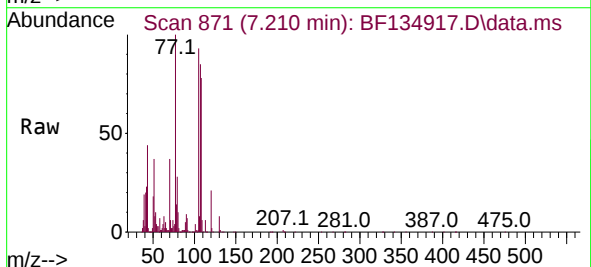
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

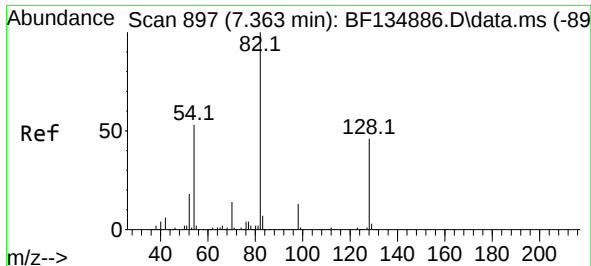
|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:136 | Resp: | 525956 |       |
| Ion         | Ratio | Lower  | Upper |
| 136         | 100   |        |       |
| 137         | 11.1  | 8.9    | 13.3  |
| 54          | 8.5   | 6.6    | 9.8   |
| 68          | 6.1   | 5.0    | 7.4   |



#22  
Acetophenone  
Concen: 45.927 ng  
RT: 7.210 min Scan# 871  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 533896 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 6.4     | 4.6   | 6.8    |
| 51  | 39.2    | 32.2  | 48.2   |
| 120 | 22.5    | 18.3  | 27.5   |





#23

Nitrobenzene-d5

Concen: 87.519 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

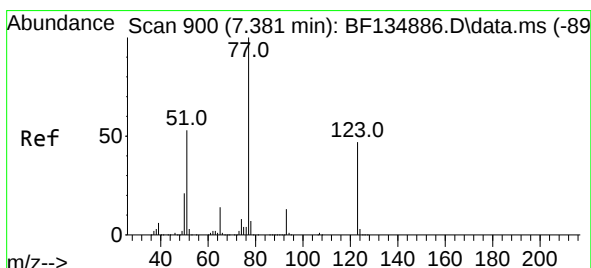
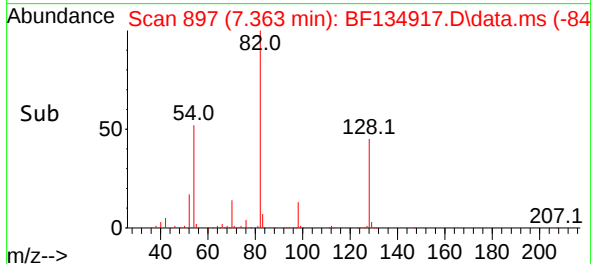
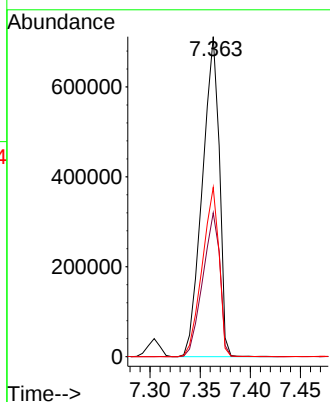
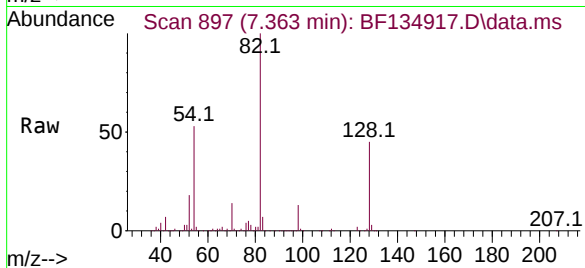
Tgt Ion: 82 Resp: 835354

Ion Ratio Lower Upper

82 100

128 44.9 36.6 54.8

54 52.9 42.6 63.8



#24

Nitrobenzene

Concen: 44.907 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

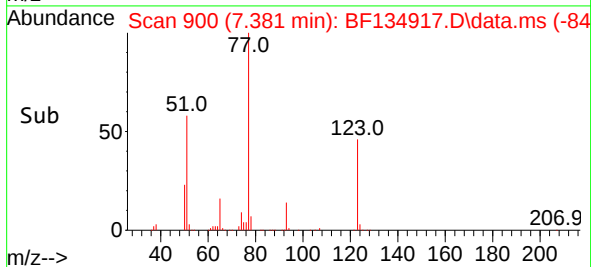
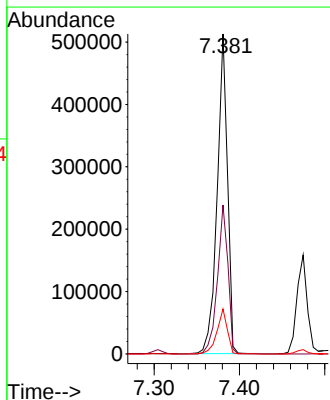
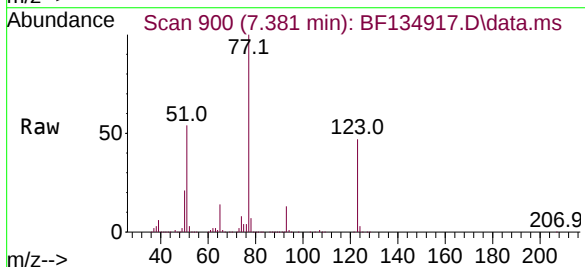
Tgt Ion: 77 Resp: 430104

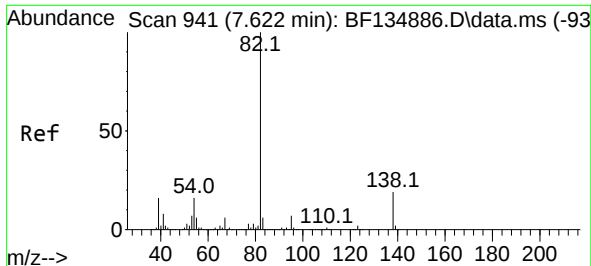
Ion Ratio Lower Upper

77 100

123 46.5 37.9 56.9

65 14.0 11.1 16.7

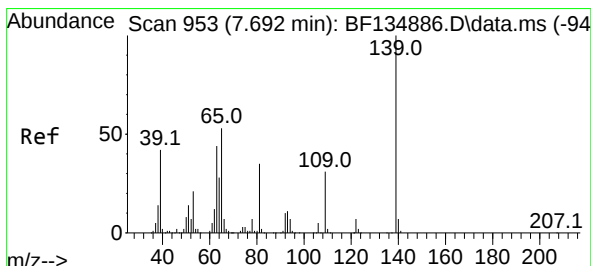
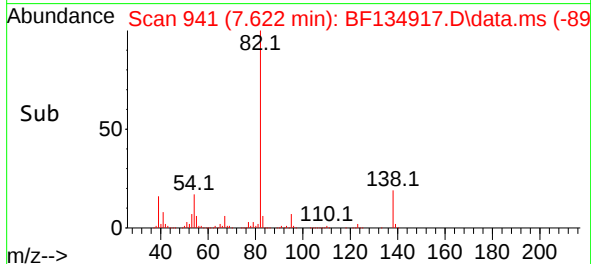
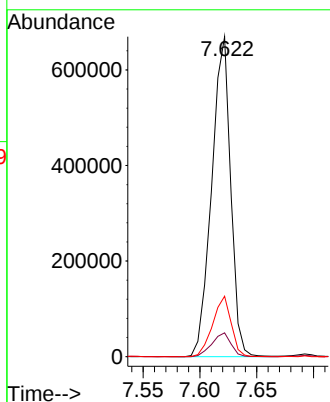
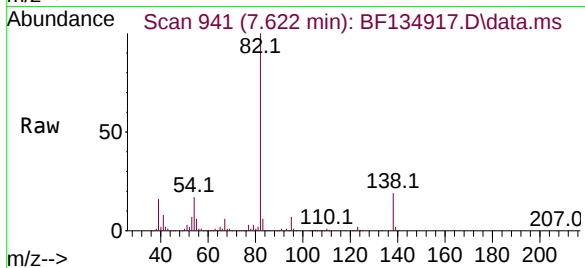




#25  
Isophorone  
Concen: 43.649 ng  
RT: 7.622 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

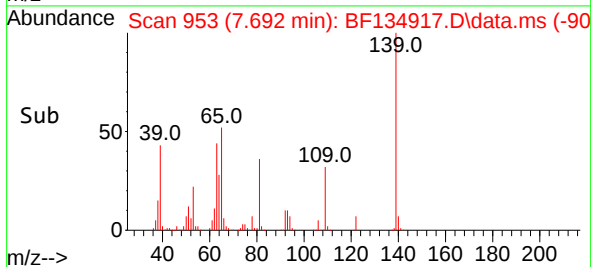
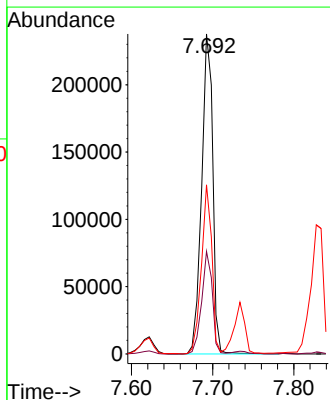
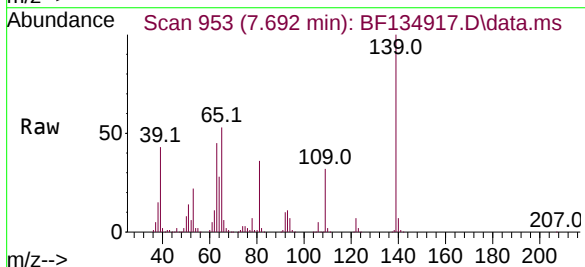
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

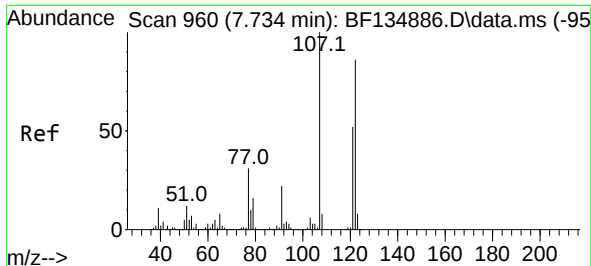
Tgt Ion: 82 Resp: 777957  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.9 8.9  
138 18.9 14.9 22.3



#26  
2-Nitrophenol  
Concen: 47.616 ng  
RT: 7.692 min Scan# 953  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

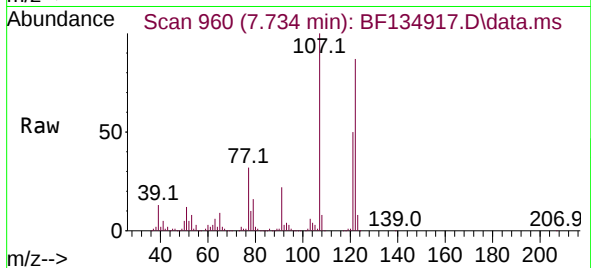
Tgt Ion: 139 Resp: 227041  
Ion Ratio Lower Upper  
139 100  
109 32.0 24.5 36.7  
65 52.9 42.4 63.6



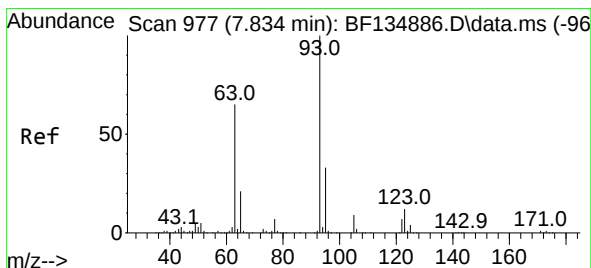
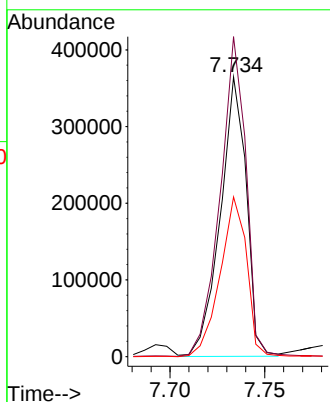
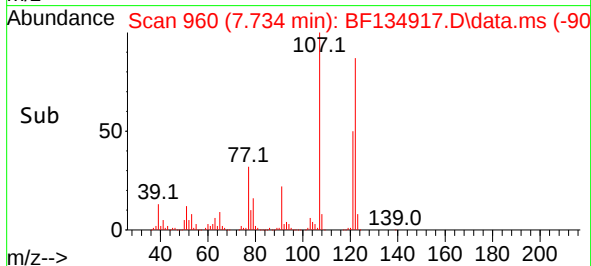


#27  
2,4-Dimethylphenol  
Concen: 44.448 ng  
RT: 7.734 min Scan# 960  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

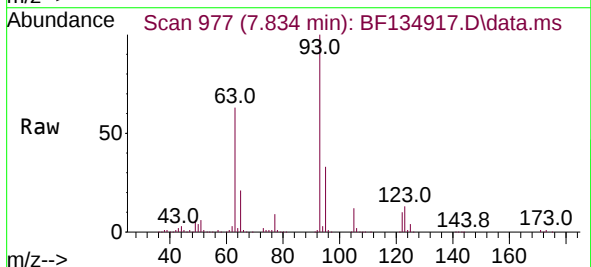
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS



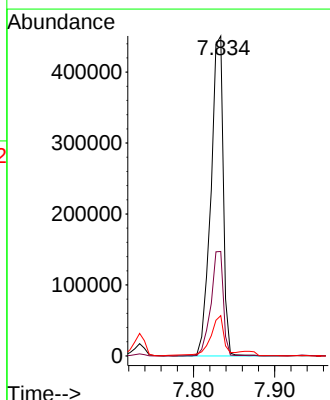
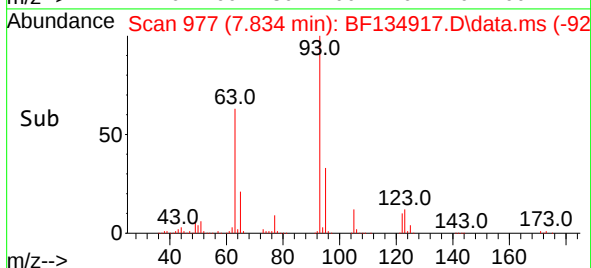
Tgt Ion:122 Resp: 345675  
Ion Ratio Lower Upper  
122 100  
107 114.5 92.9 139.3  
121 57.1 48.4 72.6

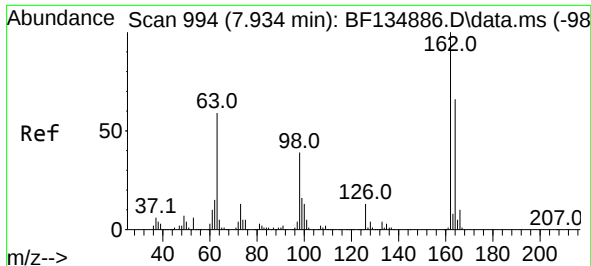


#28  
bis(2-Chloroethoxy)methane  
Concen: 45.091 ng  
RT: 7.834 min Scan# 977  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59



Tgt Ion: 93 Resp: 478985  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.3 39.5  
123 12.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 45.497 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

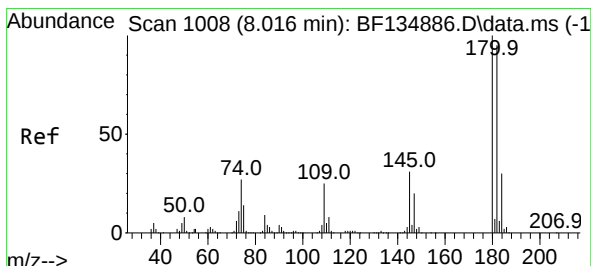
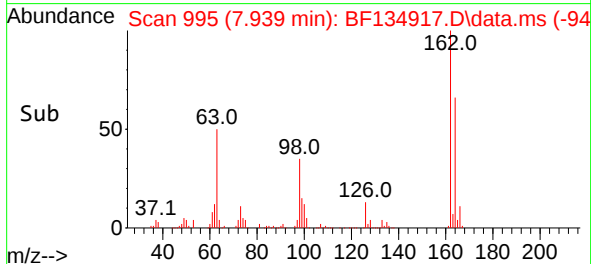
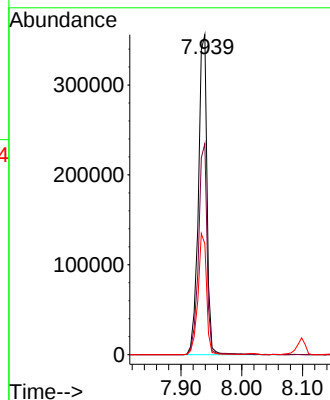
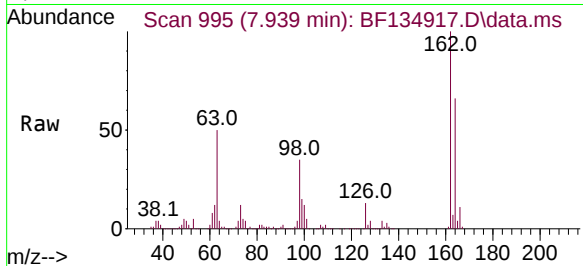
Tgt Ion:162 Resp: 349606

Ion Ratio Lower Upper

162 100

164 65.9 45.6 85.6

98 34.6 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 46.386 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

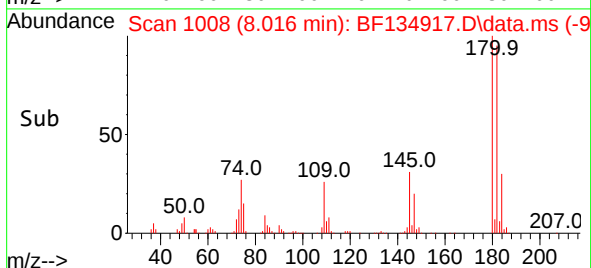
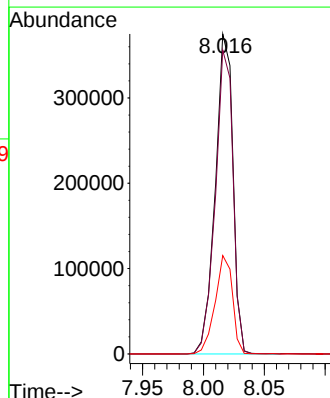
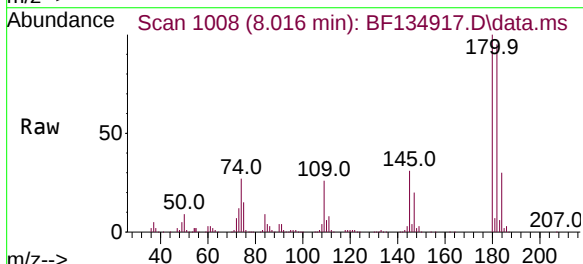
Tgt Ion:180 Resp: 378406

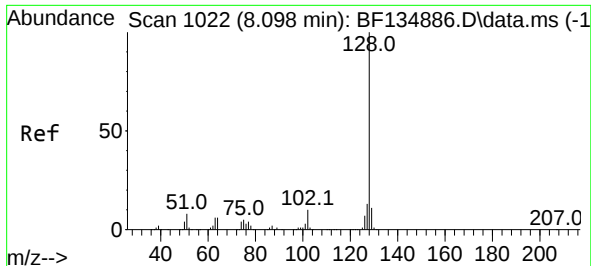
Ion Ratio Lower Upper

180 100

182 94.9 76.0 114.0

145 30.7 24.6 37.0

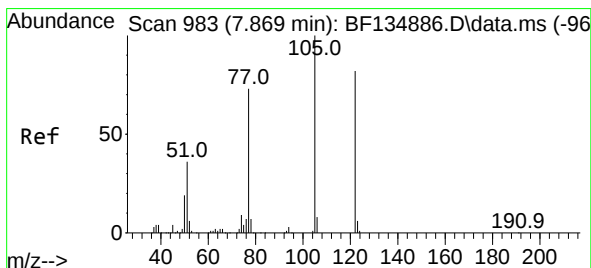
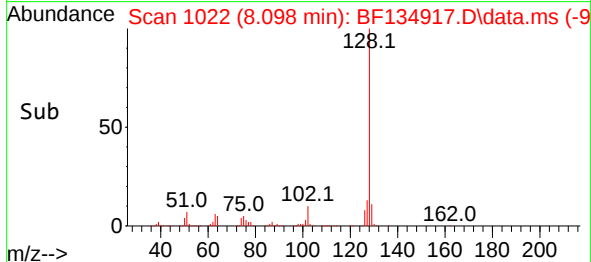
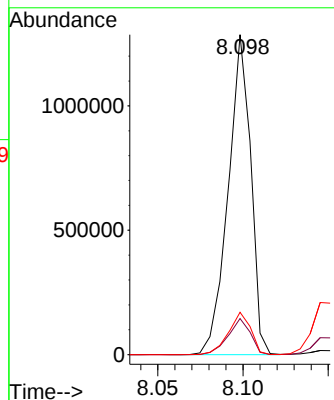
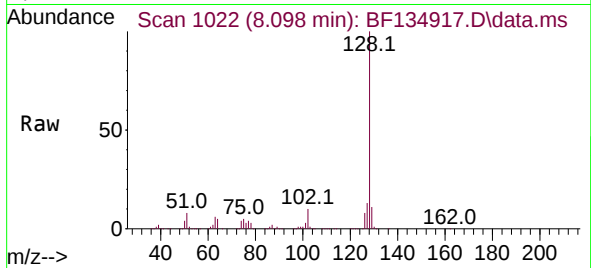




#31  
Naphthalene  
Concen: 45.040 ng  
RT: 8.098 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

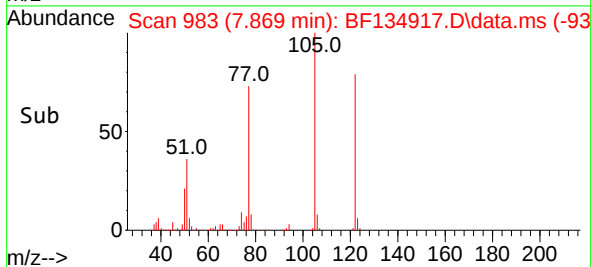
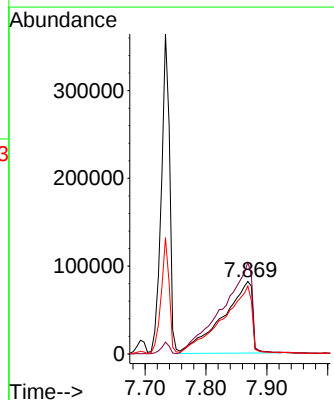
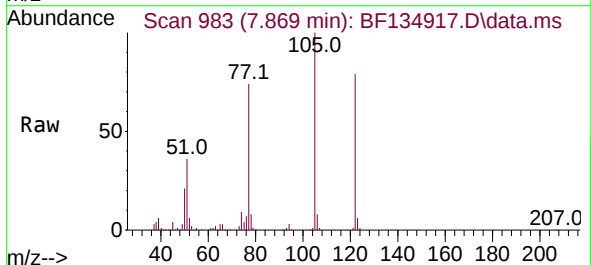
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

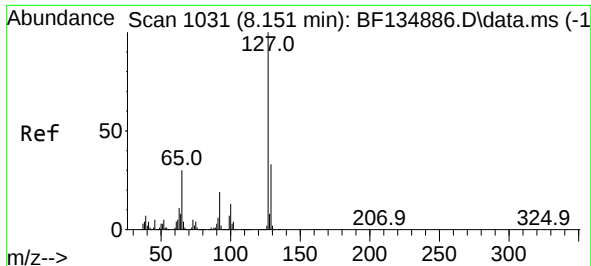
Tgt Ion:128 Resp: 1182873  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.4  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 48.886 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:122 Resp: 280575  
Ion Ratio Lower Upper  
122 100  
105 126.5 98.6 138.6  
77 93.6 68.6 108.6

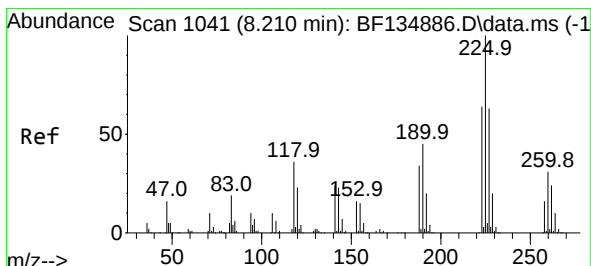
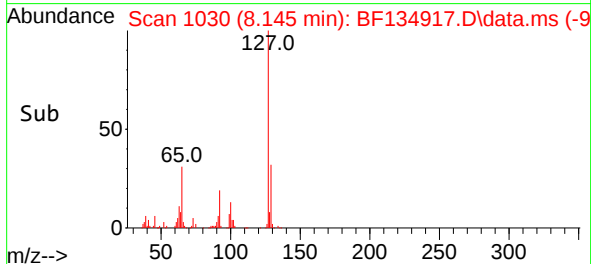
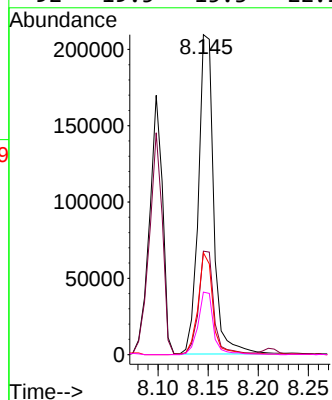
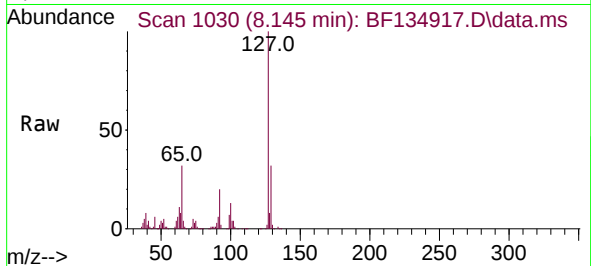




#33  
4-Chloroaniline  
Concen: 19.758 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

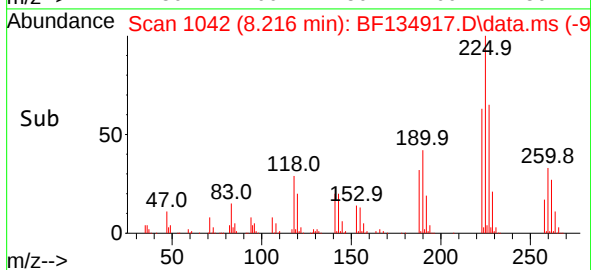
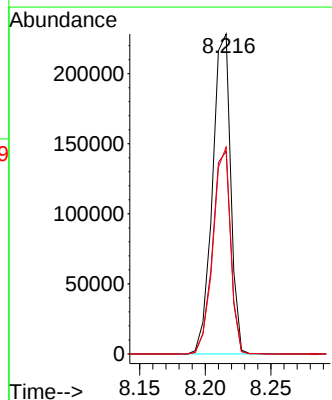
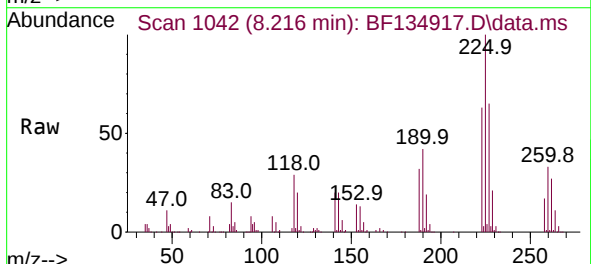
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

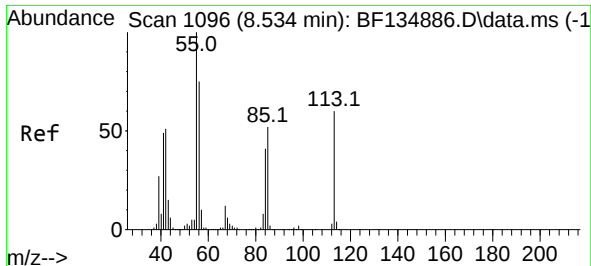
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 222637 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 26.4  | 39.6   |
| 65       | 31.8  | 23.8  | 35.8   |
| 92       | 19.5  | 15.3  | 22.9   |



#34  
Hexachlorobutadiene  
Concen: 45.421 ng  
RT: 8.216 min Scan# 1042  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

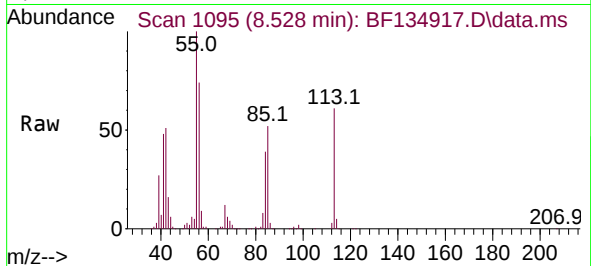
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 220374 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.3  | 51.1  | 76.7   |
| 227      | 64.6  | 50.1  | 75.1   |



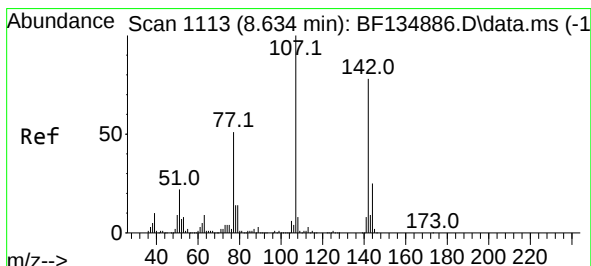
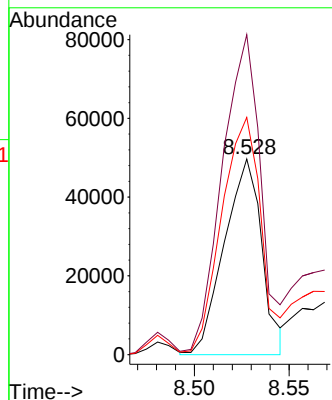
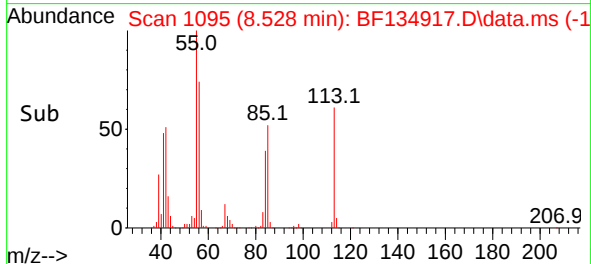


#35  
 Caprolactam  
 Concen: 28.570 ng  
 RT: 8.528 min Scan# 1095  
 Delta R.T. -0.006 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

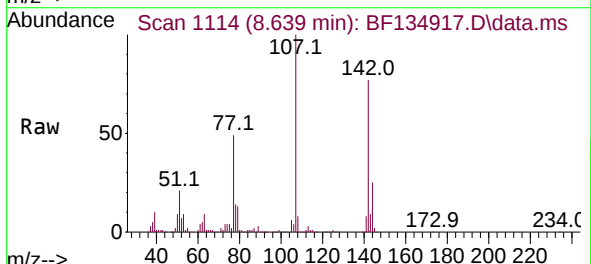
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154990BS



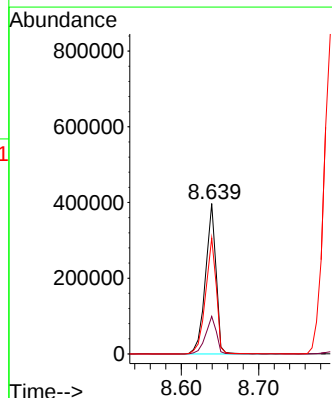
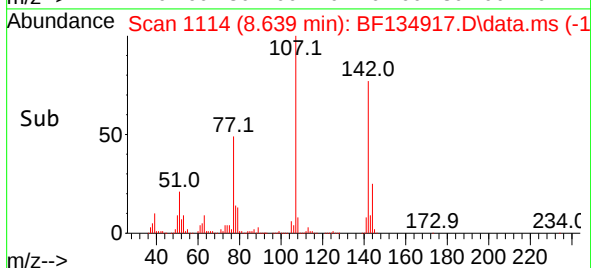
Tgt Ion:113 Resp: 68532  
 Ion Ratio Lower Upper  
 113 100  
 55 163.6 147.2 187.2  
 56 121.3 106.0 146.0

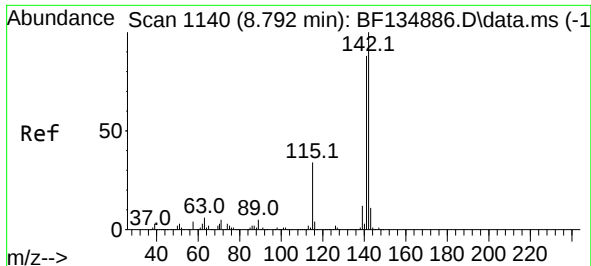


#36  
 4-Chloro-3-methylphenol  
 Concen: 46.436 ng  
 RT: 8.639 min Scan# 1114  
 Delta R.T. 0.006 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59



Tgt Ion:107 Resp: 376544  
 Ion Ratio Lower Upper  
 107 100  
 144 25.0 20.2 30.2  
 142 77.1 62.5 93.7





#37

2-Methylnaphthalene

Concen: 43.330 ng

RT: 8.792 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

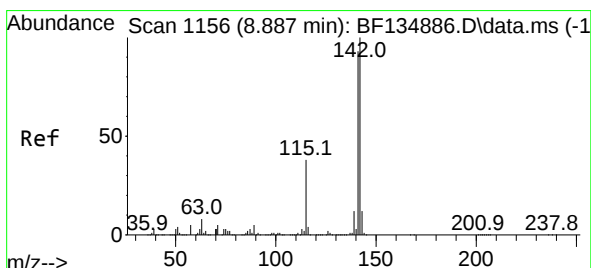
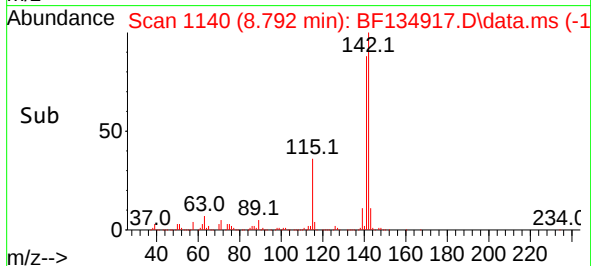
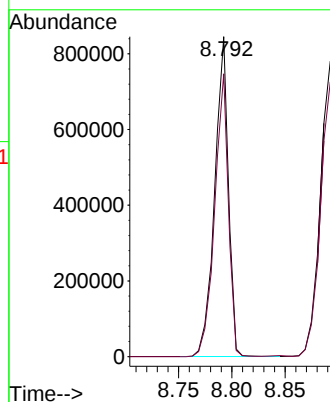
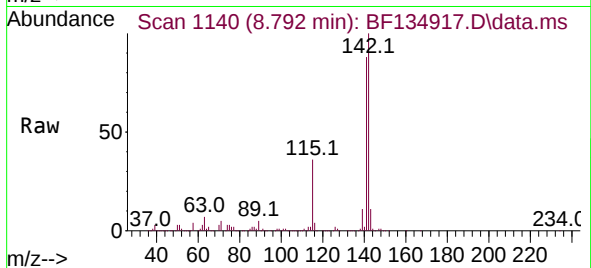
PB154990BS

Tgt Ion:142 Resp: 758890

Ion Ratio Lower Upper

142 100

141 88.4 70.2 105.2



#38

1-Methylnaphthalene

Concen: 43.823 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.006 min

Lab File: BF134917.D

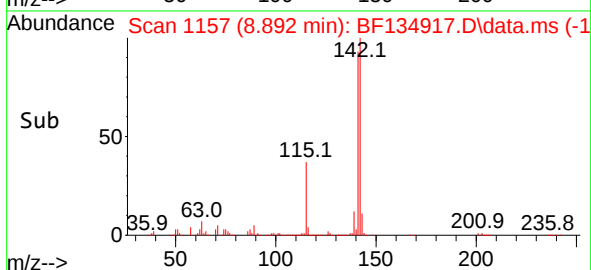
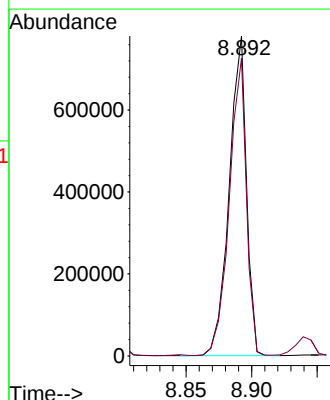
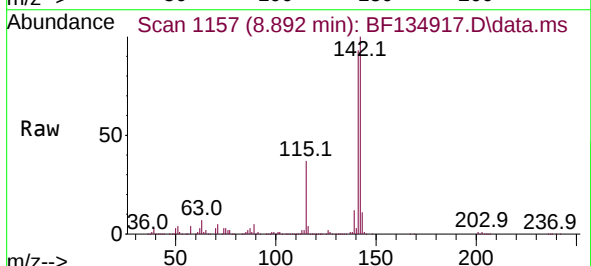
Acq: 24 Aug 2023 10:59

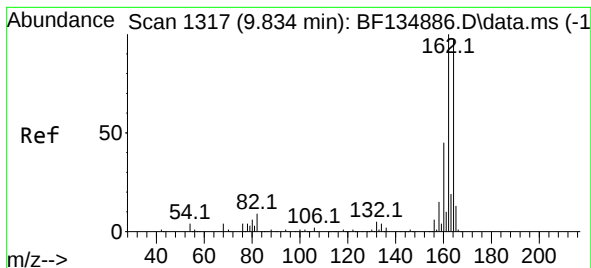
Tgt Ion:142 Resp: 717686

Ion Ratio Lower Upper

142 100

141 93.0 74.1 111.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

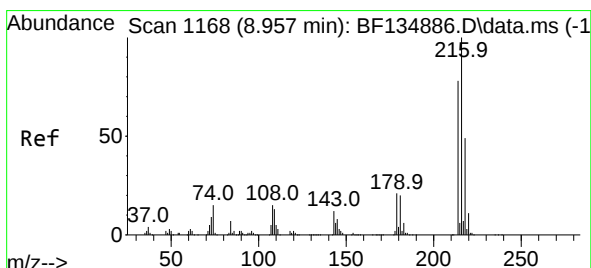
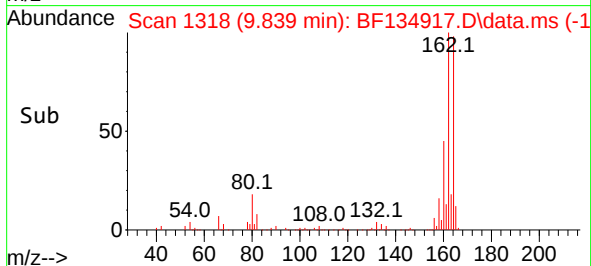
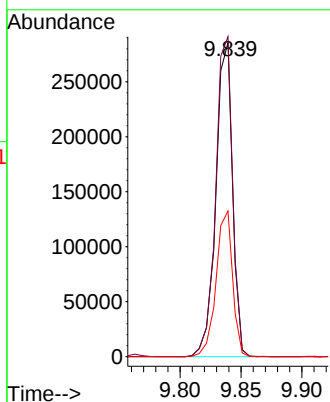
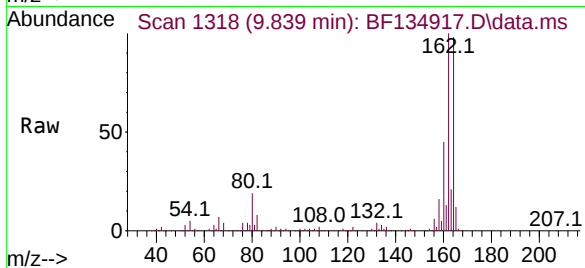
Tgt Ion:164 Resp: 271082

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

160 46.4 37.0 55.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.282 ng

RT: 8.957 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Tgt Ion:216 Resp: 365784

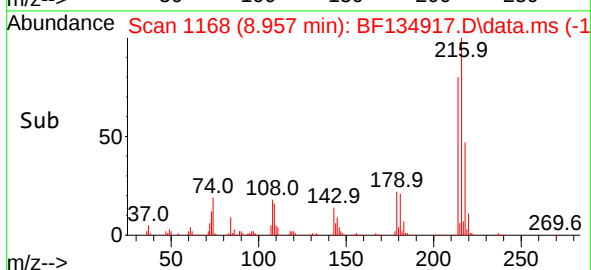
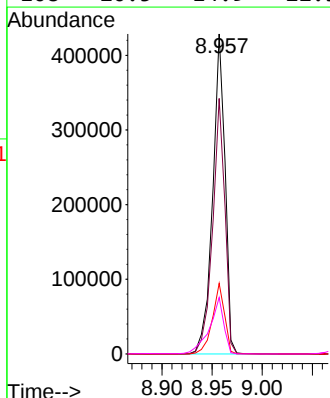
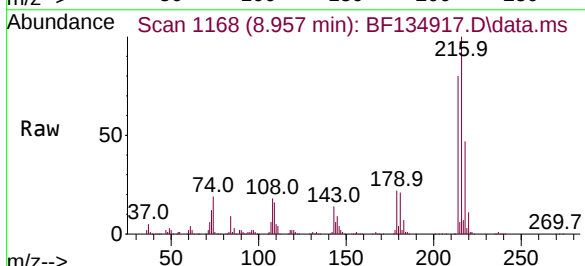
Ion Ratio Lower Upper

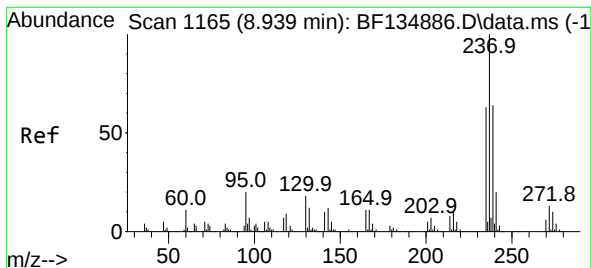
216 100

214 79.3 63.1 94.7

179 21.7 17.3 25.9

108 20.5 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 102.943 ng

RT: 8.945 min Scan# 1166

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

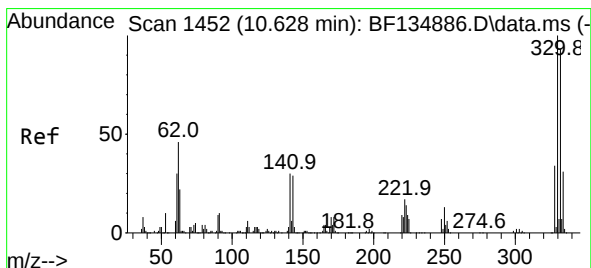
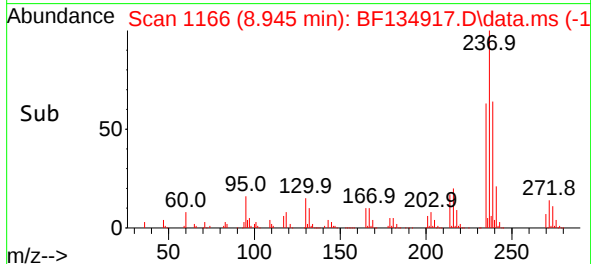
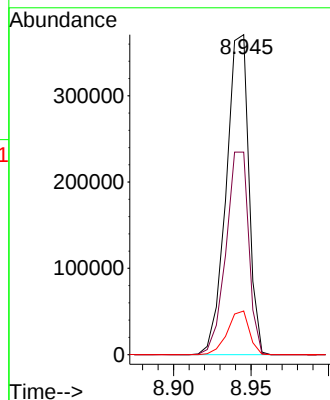
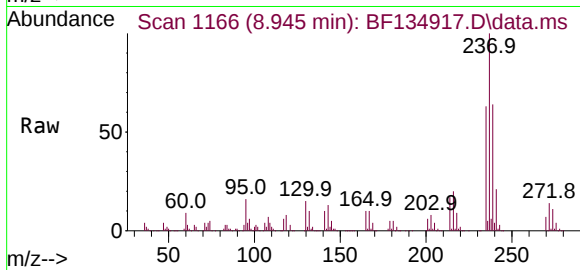
Tgt Ion:237 Resp: 376476

Ion Ratio Lower Upper

237 100

235 63.3 43.1 83.1

272 13.6 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 132.982 ng

RT: 10.633 min Scan# 1453

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

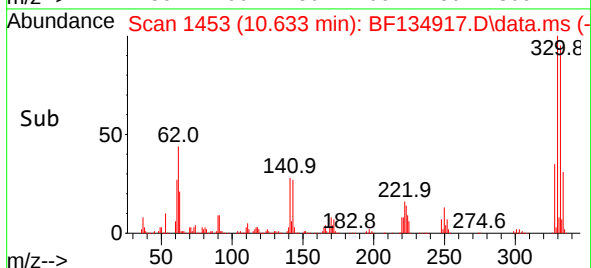
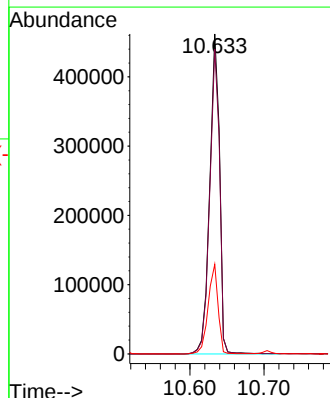
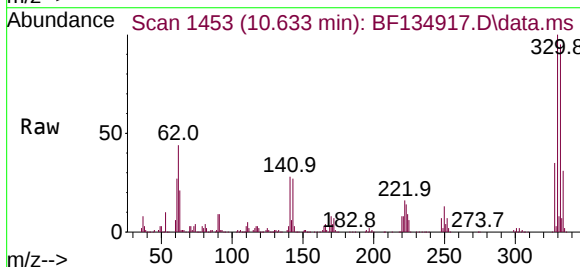
Tgt Ion:330 Resp: 424569

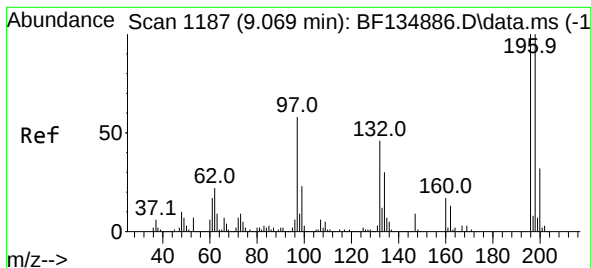
Ion Ratio Lower Upper

330 100

332 95.8 76.3 114.5

141 28.3 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 46.568 ng

RT: 9.075 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

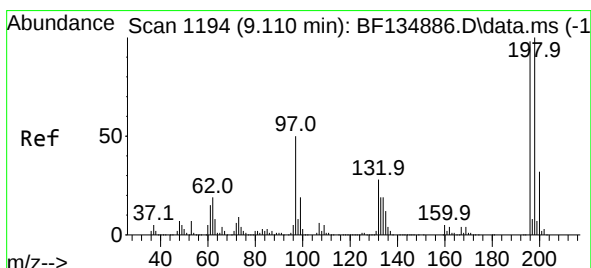
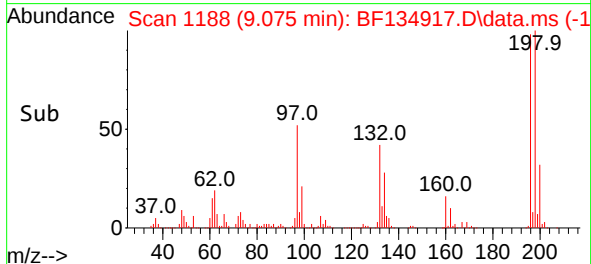
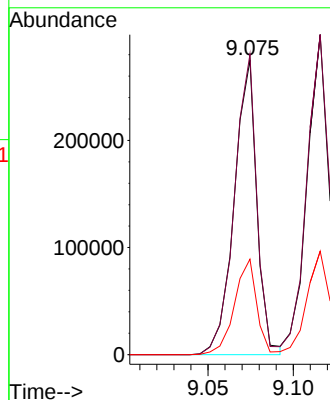
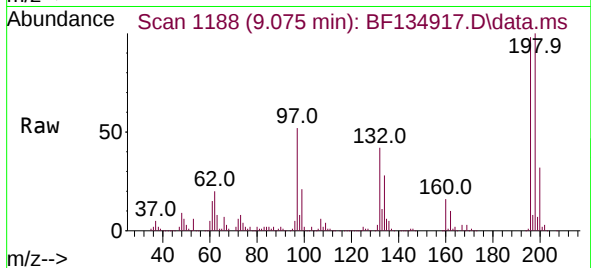
Tgt Ion:196 Resp: 254048

Ion Ratio Lower Upper

196 100

198 102.0 79.8 119.6

200 32.4 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 42.778 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Tgt Ion:196 Resp: 270182

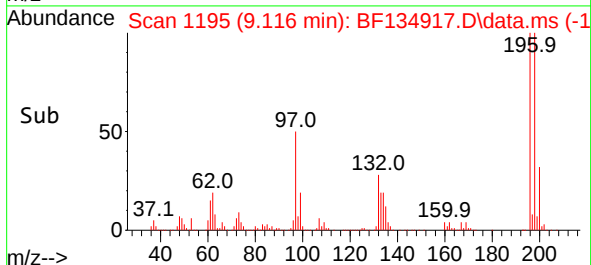
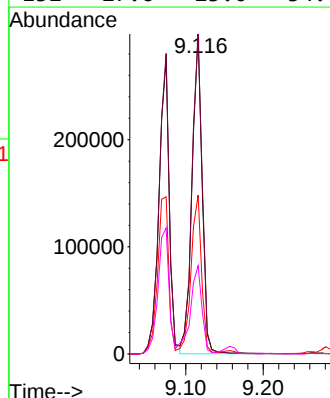
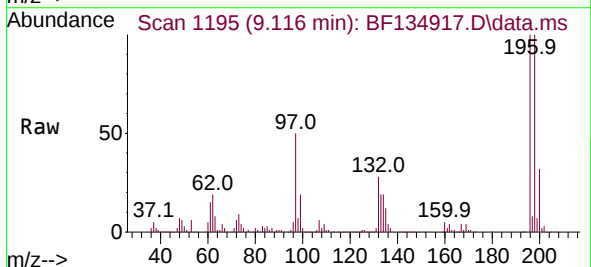
Ion Ratio Lower Upper

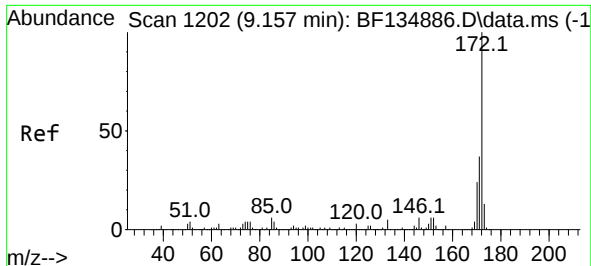
196 100

198 100.0 81.8 122.6

97 49.6 41.3 61.9

132 27.6 23.0 34.4

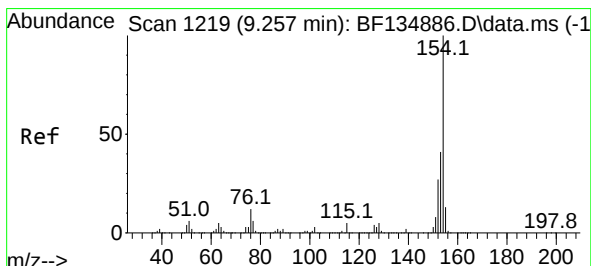
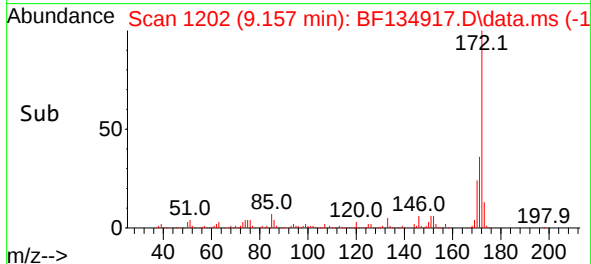
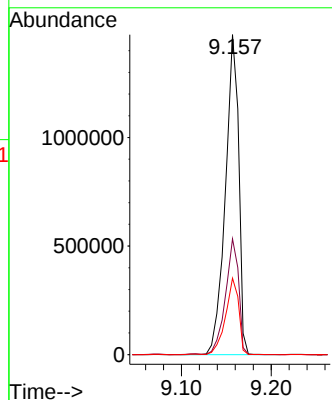
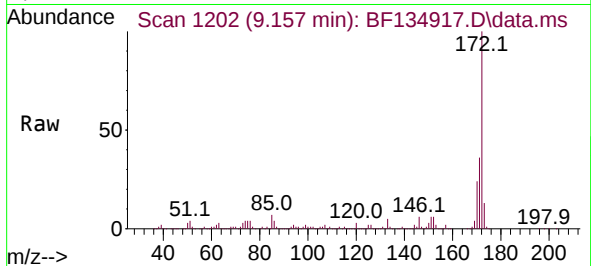




#45  
2-Fluorobiphenyl  
Concen: 87.021 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

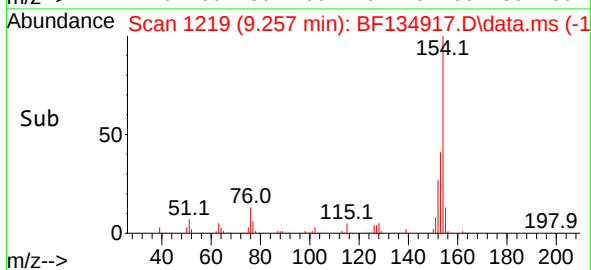
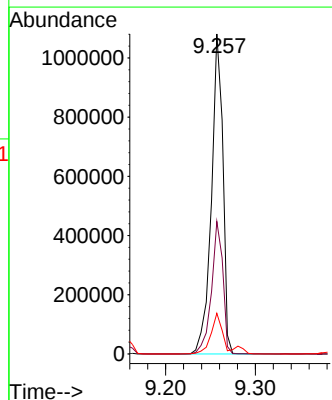
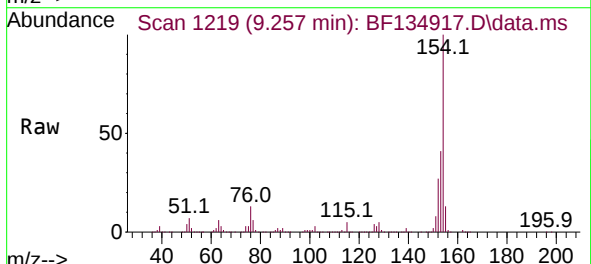
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

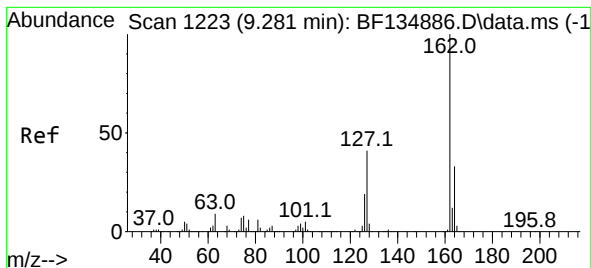
Tgt Ion:172 Resp: 1525962  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.4 44.0  
170 23.9 19.6 29.4



#46  
1,1'-Biphenyl  
Concen: 44.844 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:154 Resp: 959716  
Ion Ratio Lower Upper  
154 100  
153 41.4 21.3 61.3  
76 12.7 0.0 31.8





#47

2-Chloronaphthalene

Concen: 46.121 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.001 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

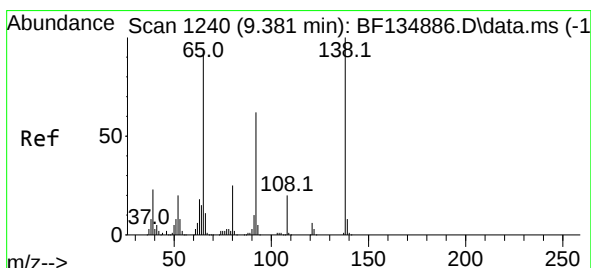
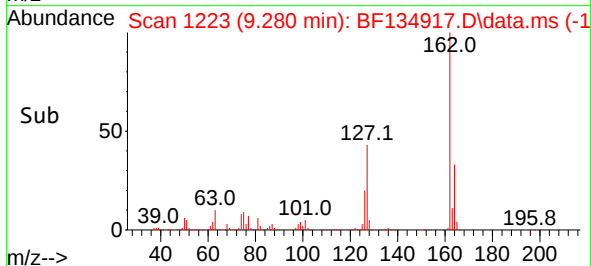
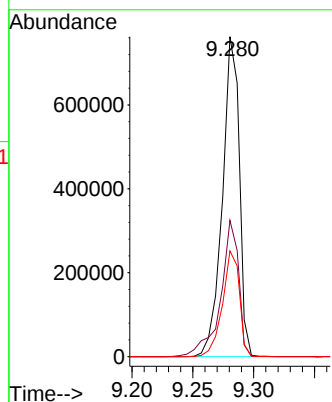
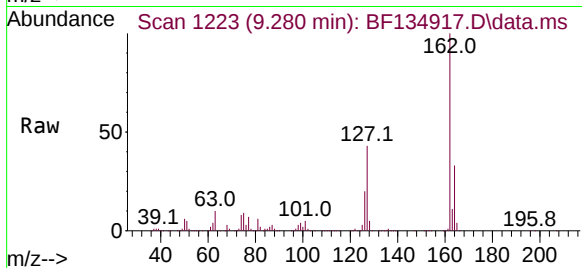
Tgt Ion:162 Resp: 737142

Ion Ratio Lower Upper

162 100

127 42.6 33.4 50.0

164 33.0 26.6 39.8



#48

2-Nitroaniline

Concen: 46.226 ng

RT: 9.380 min Scan# 1240

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

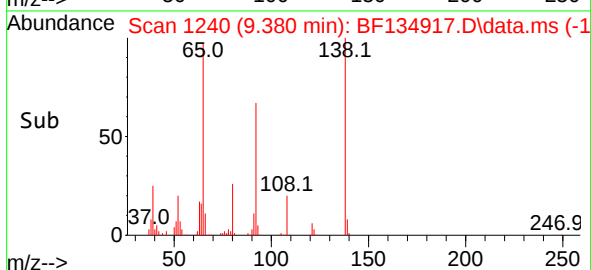
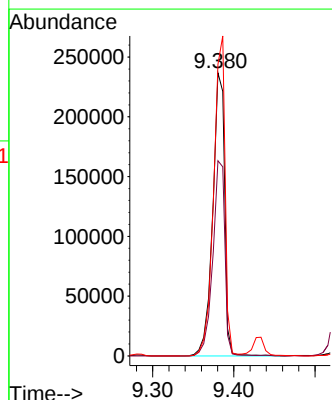
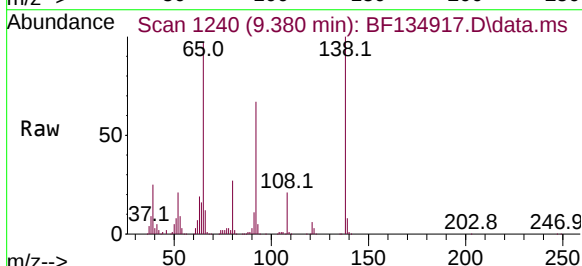
Tgt Ion: 65 Resp: 242866

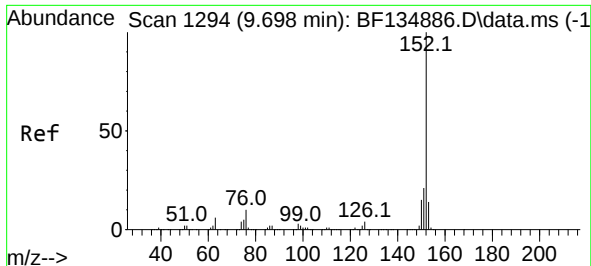
Ion Ratio Lower Upper

65 100

92 69.0 53.8 80.8

138 103.1 86.5 129.7

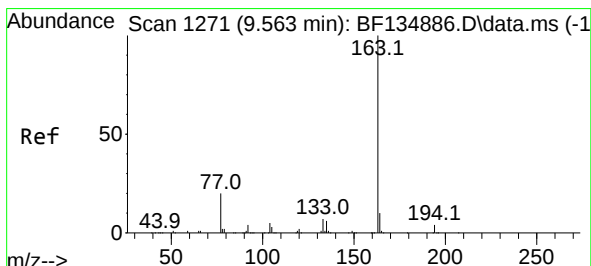
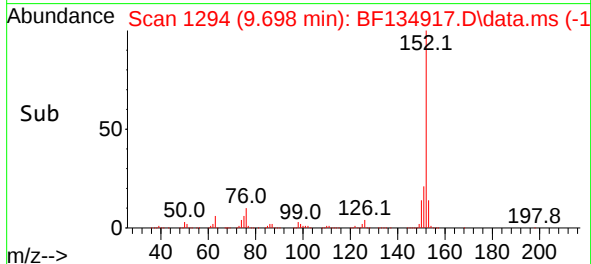
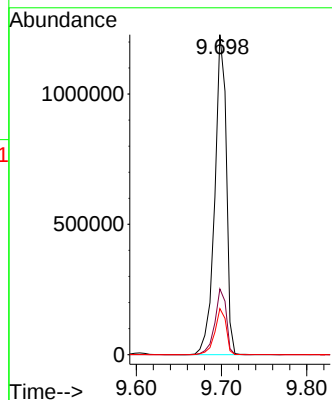
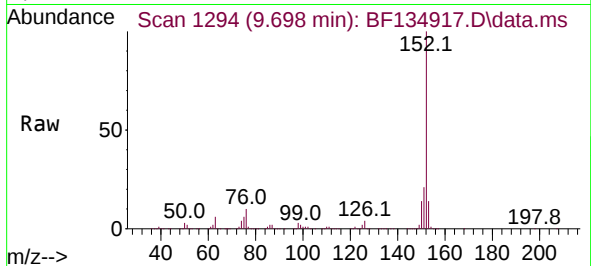




#49  
Acenaphthylene  
Concen: 46.924 ng  
RT: 9.698 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

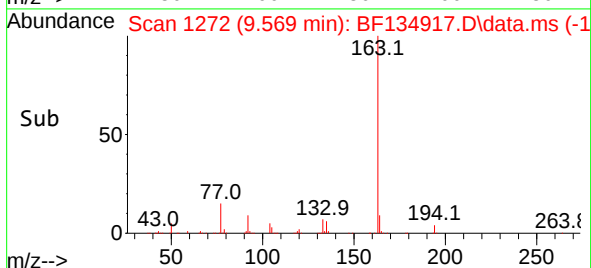
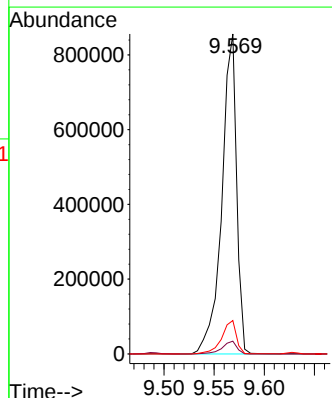
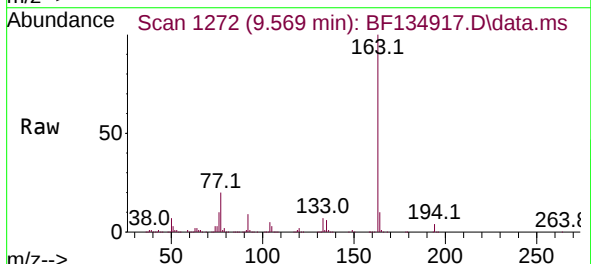
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

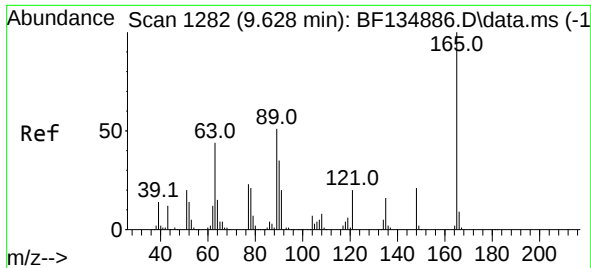
Tgt Ion:152 Resp: 1154949  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.5 24.7  
153 14.4 11.3 16.9



#50  
Dimethylphthalate  
Concen: 45.658 ng  
RT: 9.569 min Scan# 1272  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:163 Resp: 881006  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.2 4.8  
164 10.4 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 47.155 ng

RT: 9.628 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

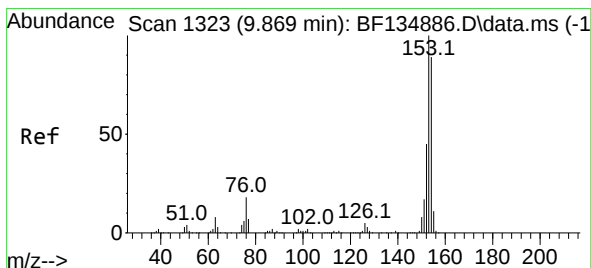
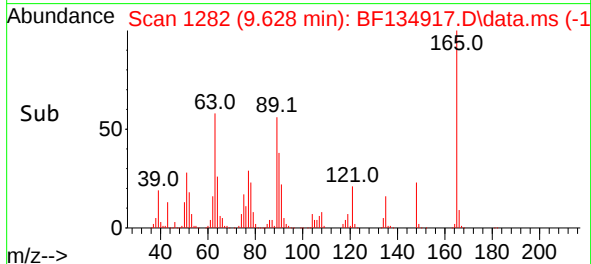
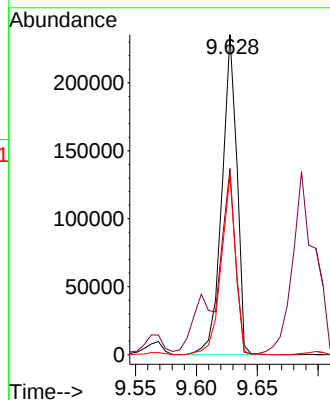
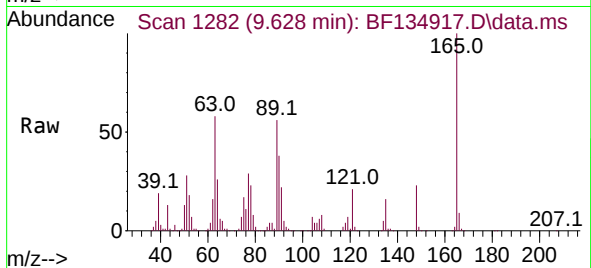
Tgt Ion:165 Resp: 200684

Ion Ratio Lower Upper

165 100

63 58.2 41.4 62.2

89 55.9 40.9 61.3



#52

Acenaphthene

Concen: 44.840 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

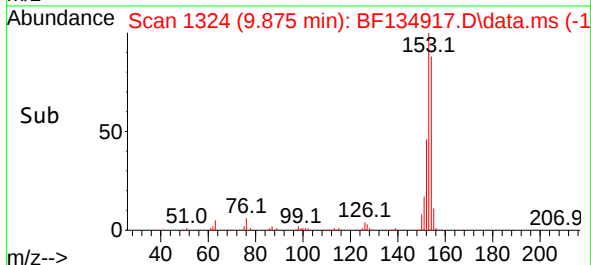
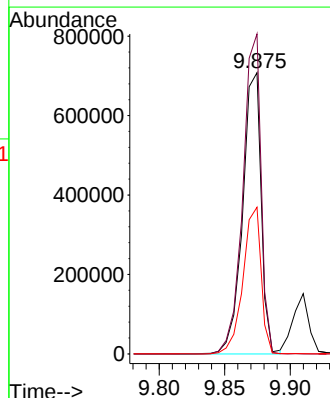
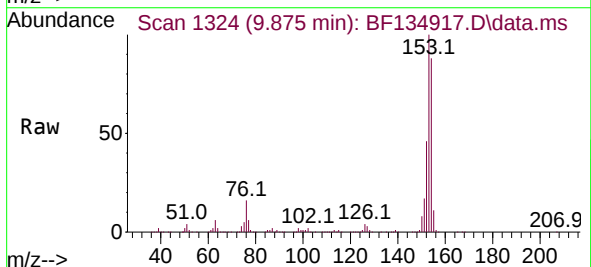
Tgt Ion:154 Resp: 695285

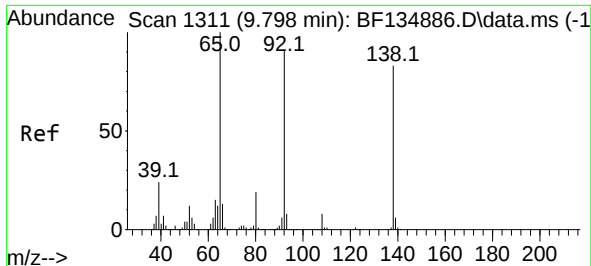
Ion Ratio Lower Upper

154 100

153 113.8 89.6 134.4

152 52.2 40.5 60.7

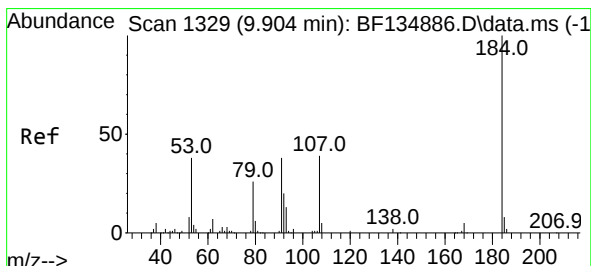
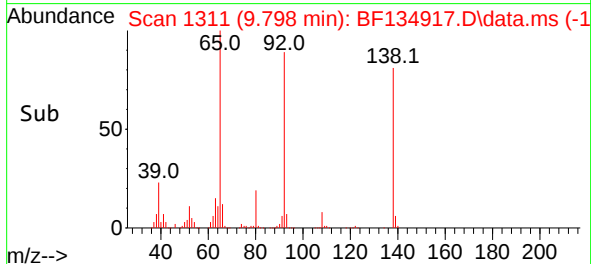
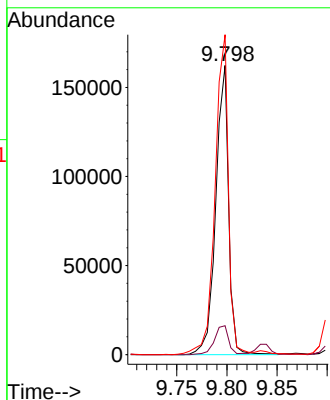
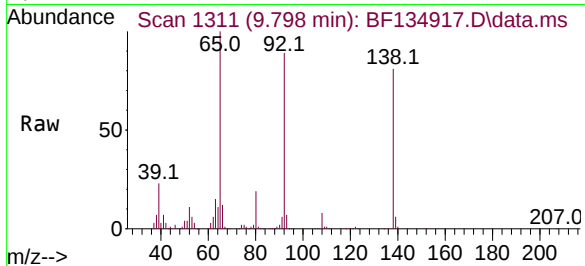




#53  
3-Nitroaniline  
Concen: 31.200 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

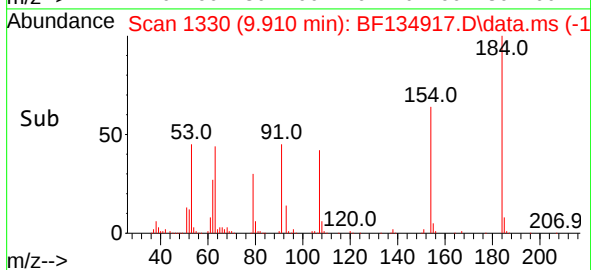
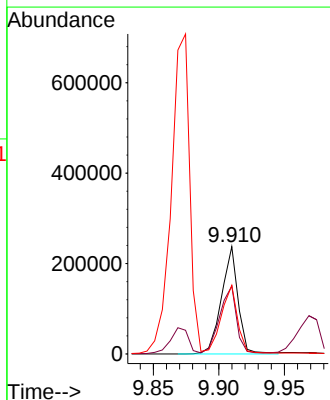
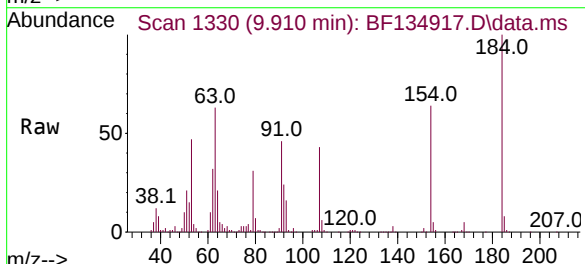
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

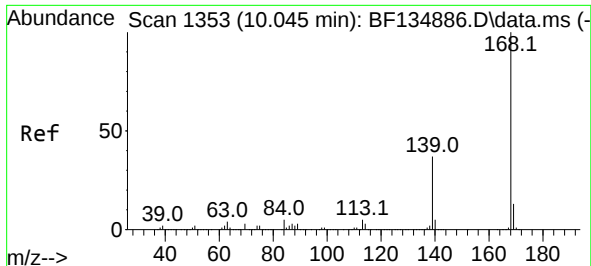
Tgt Ion:138 Resp: 145028  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.0 12.0  
92 110.6 87.6 131.4



#54  
2,4-Dinitrophenol  
Concen: 104.362 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

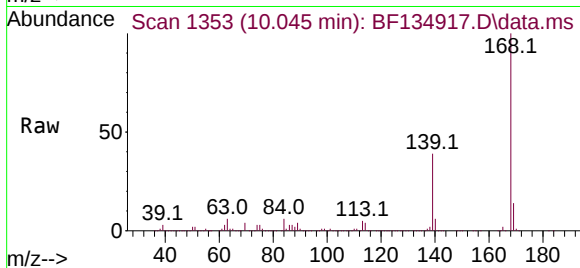
Tgt Ion:184 Resp: 210150  
Ion Ratio Lower Upper  
184 100  
63 63.1 42.8 64.2  
154 63.8 48.0 72.0



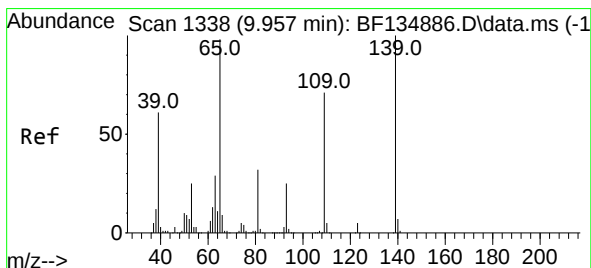
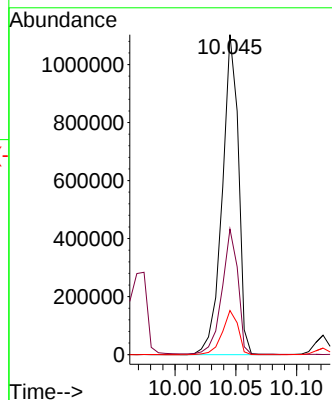
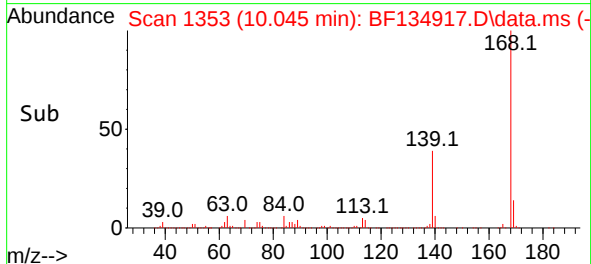


#55  
Dibenzofuran  
Concen: 45.218 ng  
RT: 10.045 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

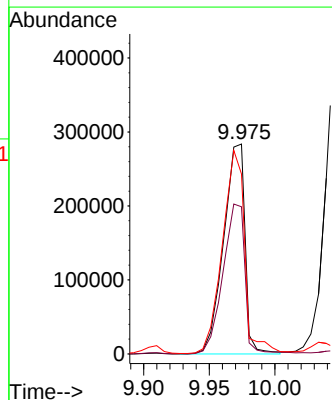
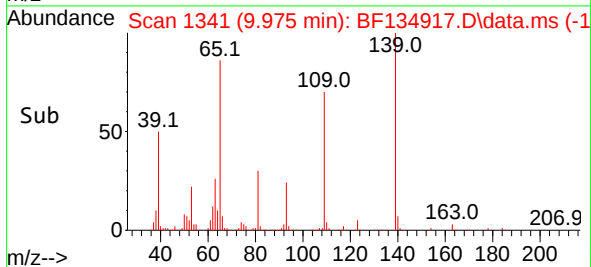
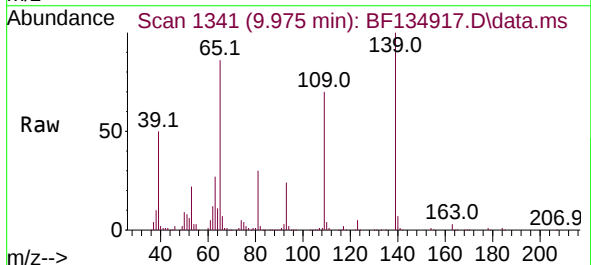


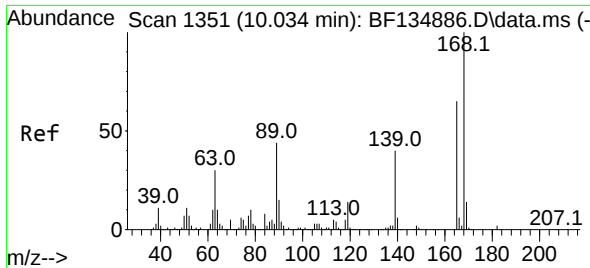
Tgt Ion:168 Resp: 1020818  
Ion Ratio Lower Upper  
168 100  
139 39.2 29.5 44.3  
169 13.8 10.7 16.1



#56  
4-Nitrophenol  
Concen: 99.931 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.018 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

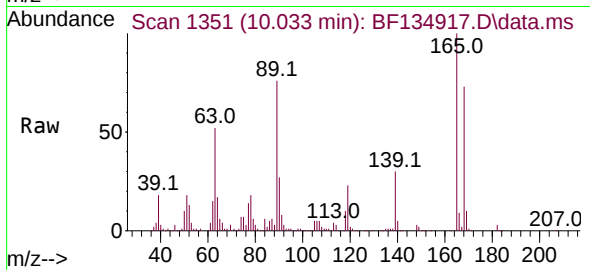
Tgt Ion:139 Resp: 323715  
Ion Ratio Lower Upper  
139 100  
109 70.1 51.0 91.0  
65 85.7 78.5 118.5



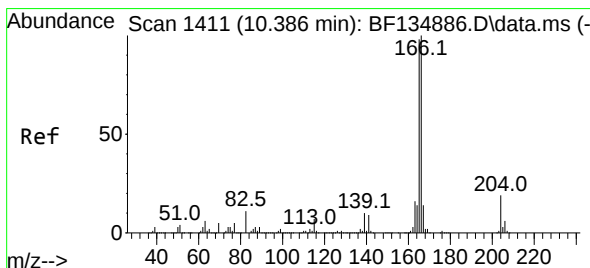
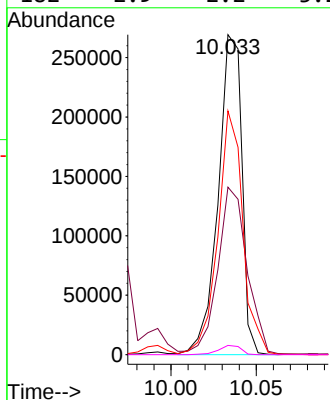
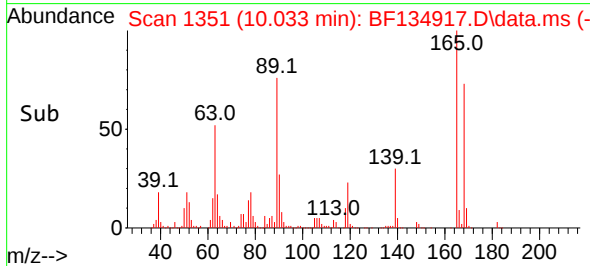


#57  
2,4-Dinitrotoluene  
Concen: 49.448 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. -0.001 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

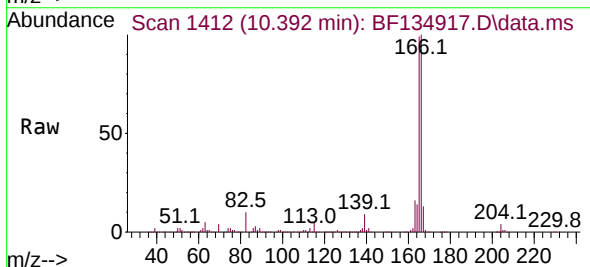
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS



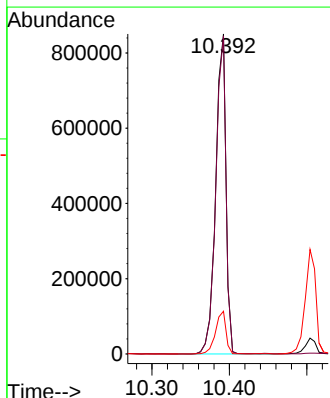
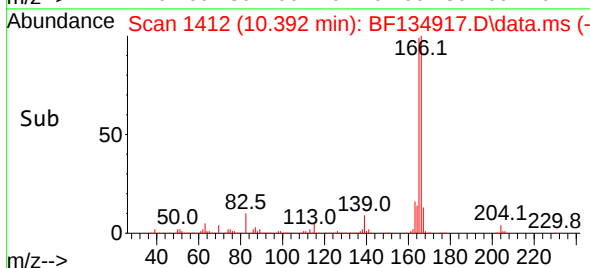
Tgt Ion:165 Resp: 260256  
Ion Ratio Lower Upper  
165 100  
63 52.3 37.7 56.5  
89 76.1 54.2 81.4  
182 2.9 2.2 3.2

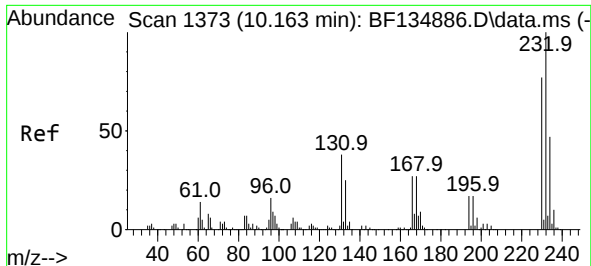


#58  
Fluorene  
Concen: 45.692 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59



Tgt Ion:166 Resp: 782357  
Ion Ratio Lower Upper  
166 100  
165 99.4 78.5 117.7  
167 13.4 11.0 16.6

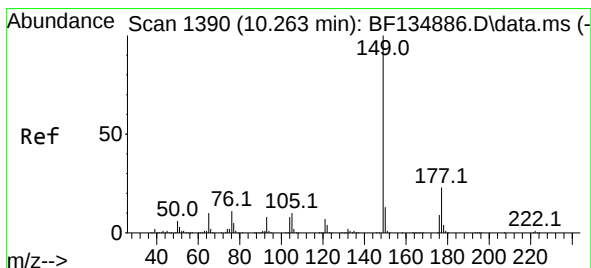
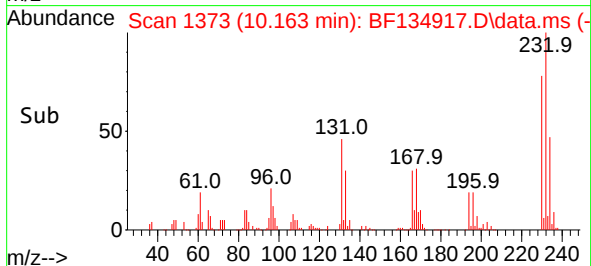
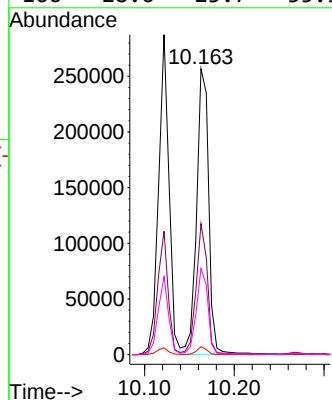
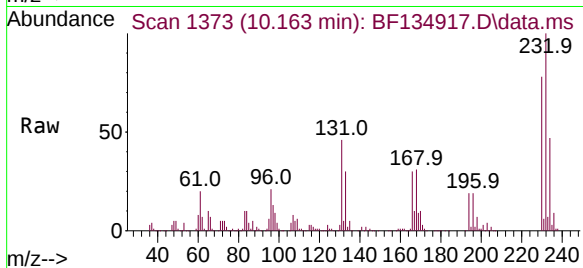




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.735 ng  
RT: 10.163 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

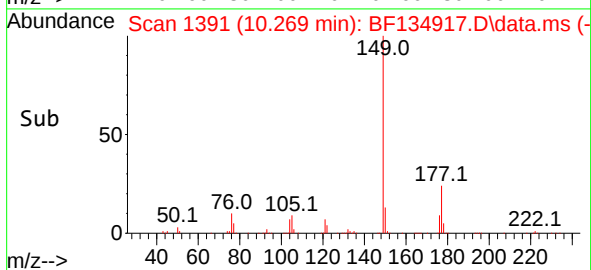
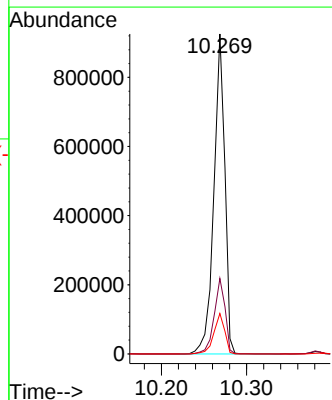
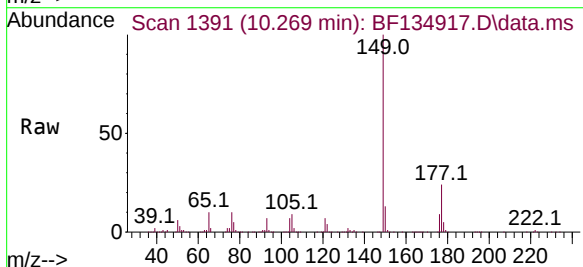
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

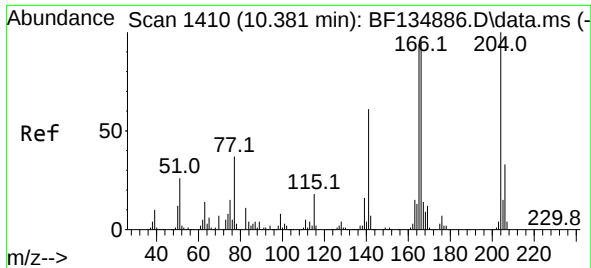
Tgt Ion:232 Resp: 239820  
Ion Ratio Lower Upper  
232 100  
131 43.2 33.9 50.9  
130 2.4 1.6 2.4  
166 28.6 23.7 35.5



#60  
Diethylphthalate  
Concen: 46.610 ng  
RT: 10.269 min Scan# 1391  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:149 Resp: 824002  
Ion Ratio Lower Upper  
149 100  
177 23.6 18.4 27.6  
150 12.7 10.3 15.5

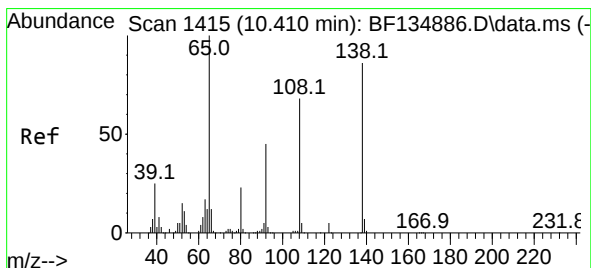
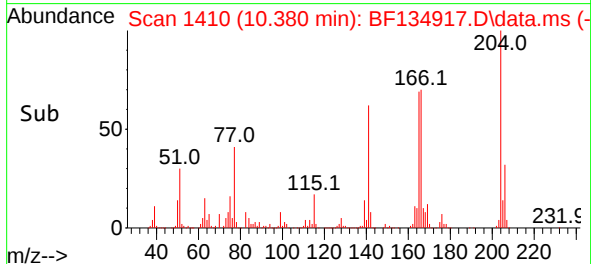
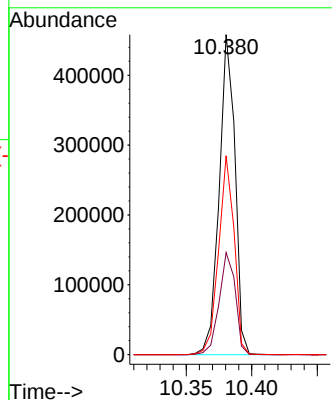
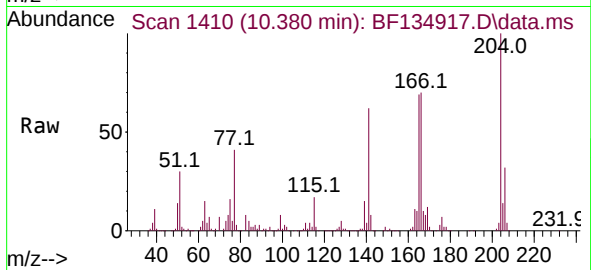




#61  
4-Chlorophenyl-phenylether  
Concen: 44.812 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. -0.001 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

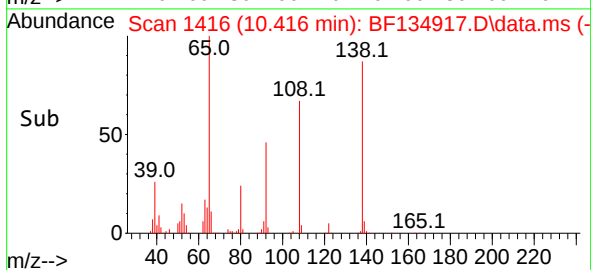
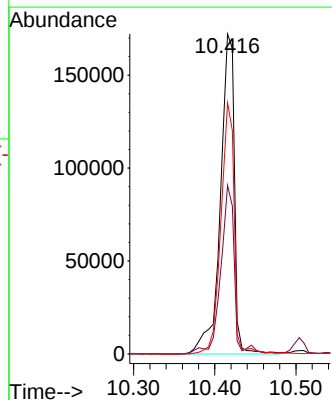
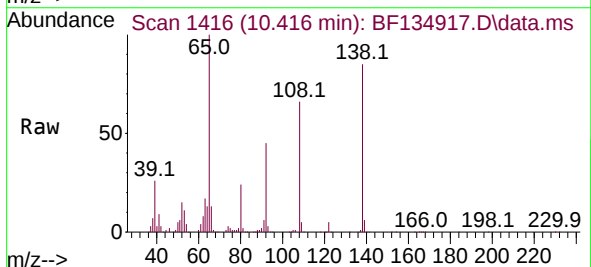
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

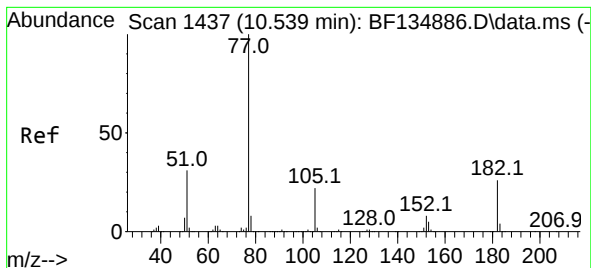
Tgt Ion:204 Resp: 384638  
Ion Ratio Lower Upper  
204 100  
206 31.9 26.3 39.5  
141 62.2 48.6 73.0



#62  
4-Nitroaniline  
Concen: 47.312 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:138 Resp: 205589  
Ion Ratio Lower Upper  
138 100  
92 52.7 32.5 72.5  
108 78.4 58.6 98.6





#63

Azobenzene

Concen: 45.440 ng

RT: 10.545 min Scan# 1437

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

Tgt Ion: 77 Resp: 798029

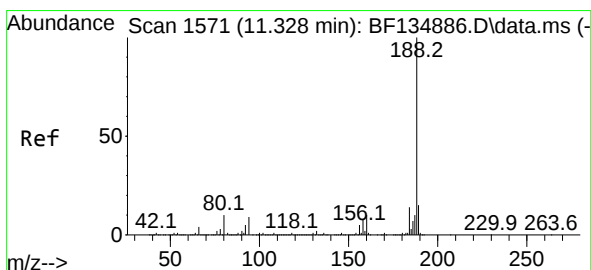
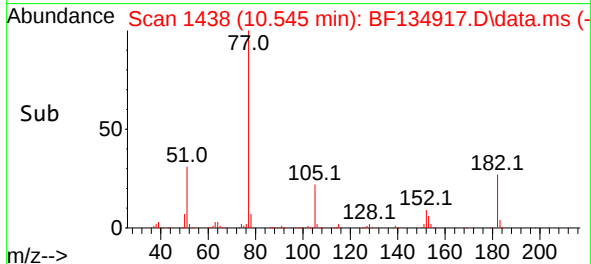
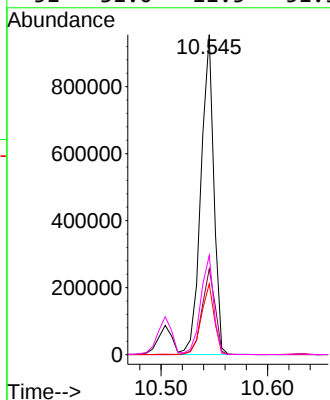
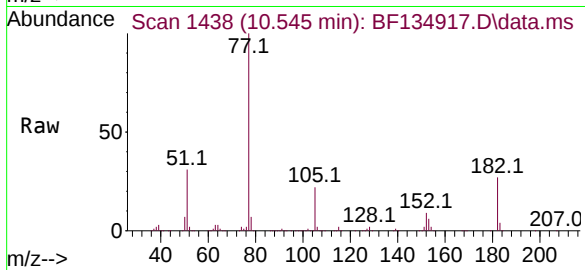
Ion Ratio Lower Upper

77 100

182 26.8 5.8 45.8

105 22.1 1.6 41.6

51 31.0 11.5 51.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

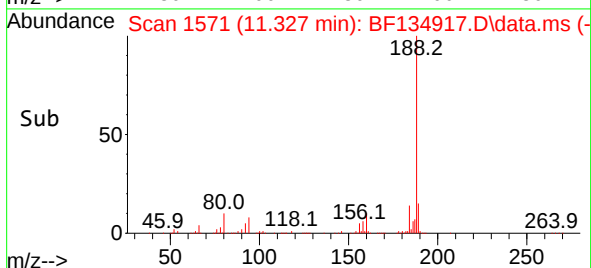
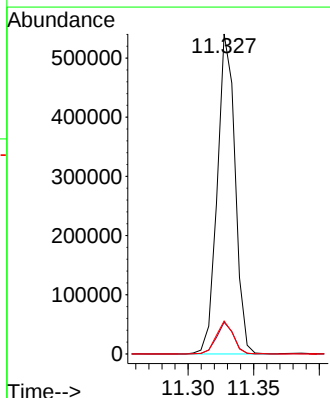
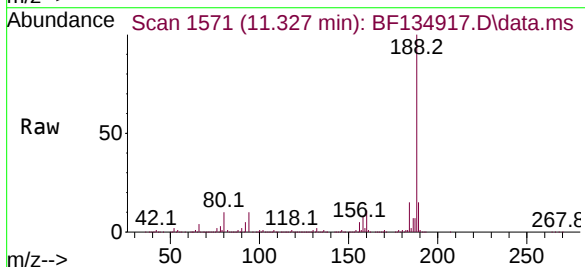
Tgt Ion: 188 Resp: 512886

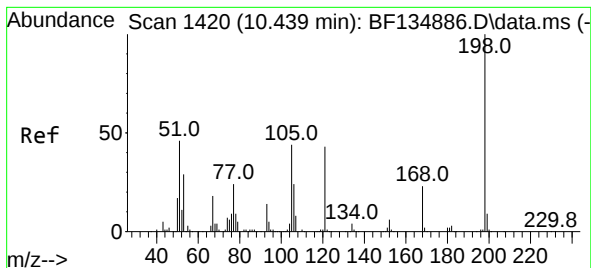
Ion Ratio Lower Upper

188 100

94 9.9 7.5 11.3

80 10.3 7.8 11.6

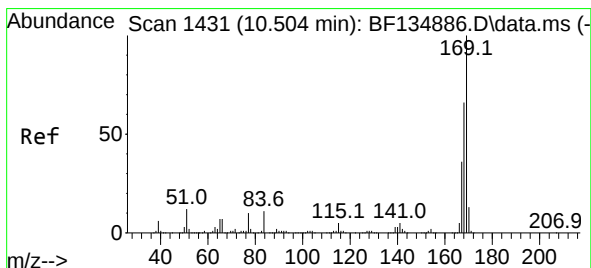
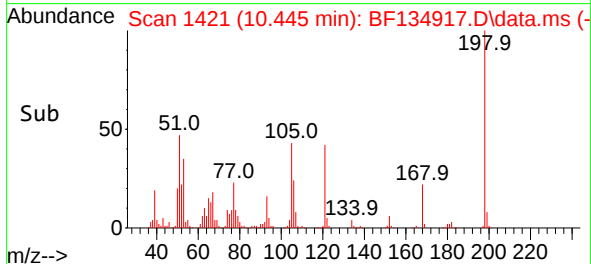
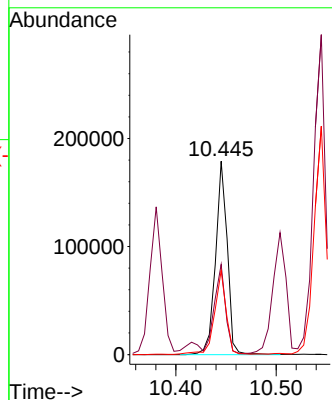
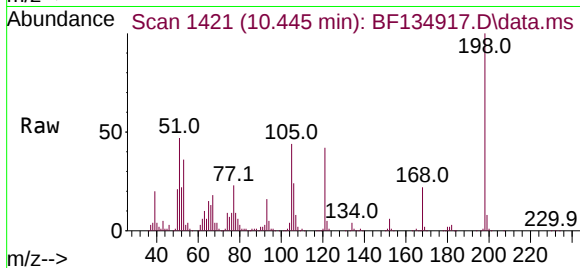




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.051 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

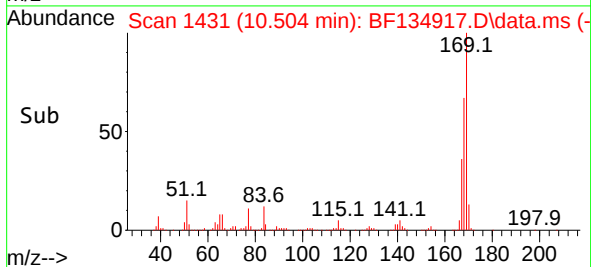
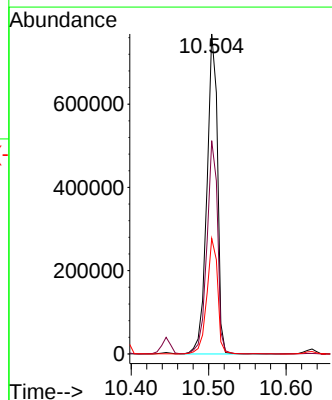
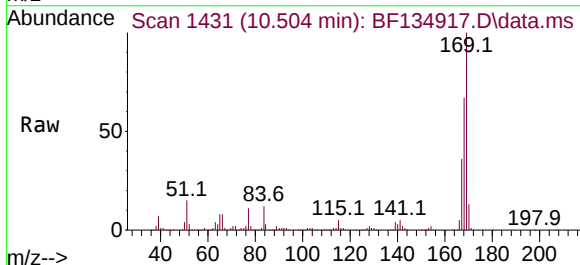
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

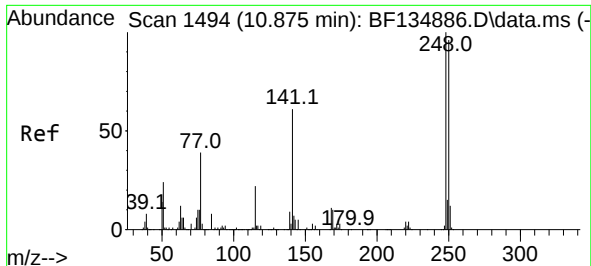
Tgt Ion:198 Resp: 145420  
Ion Ratio Lower Upper  
198 100  
51 46.6 30.3 70.3  
105 43.5 24.5 64.5



#66  
n-Nitrosodiphenylamine  
Concen: 44.261 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

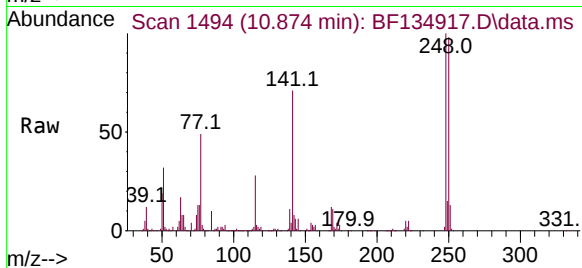
Tgt Ion:169 Resp: 731034  
Ion Ratio Lower Upper  
169 100  
168 66.6 53.0 79.6  
167 36.1 29.0 43.6



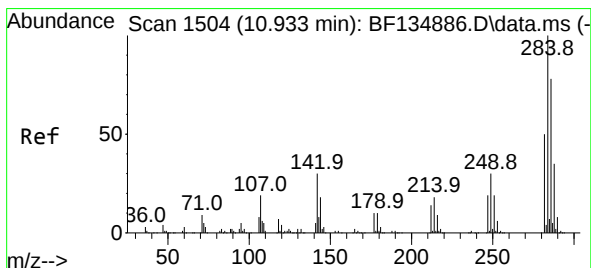
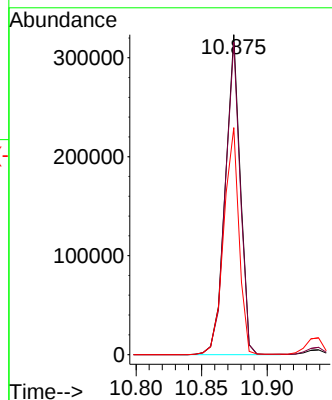
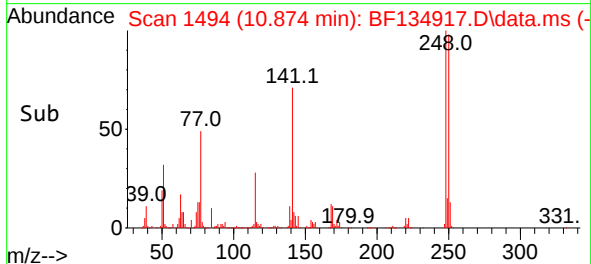


#67  
4-Bromophenyl-phenylether  
Concen: 43.605 ng  
RT: 10.874 min Scan# 1494  
Delta R.T. -0.001 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

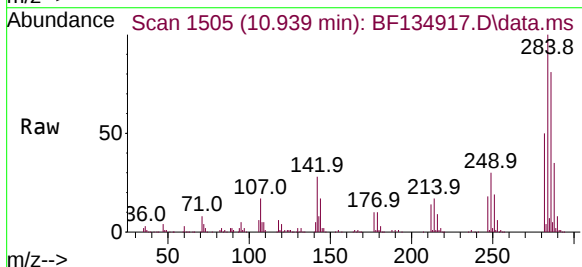
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS



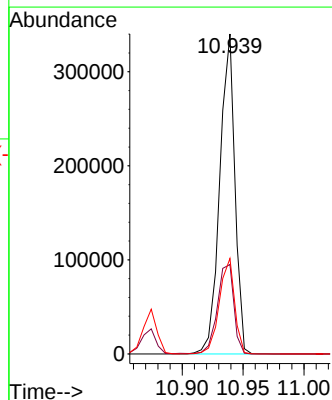
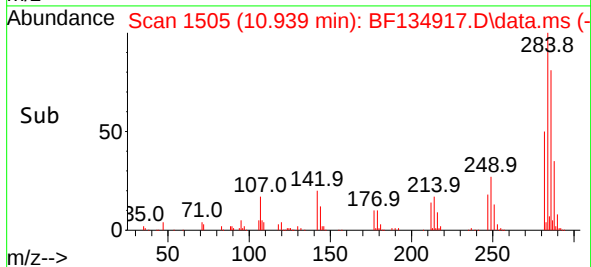
Tgt Ion:248 Resp: 258018  
Ion Ratio Lower Upper  
248 100  
250 97.6 77.1 115.7  
141 70.9 49.0 73.4

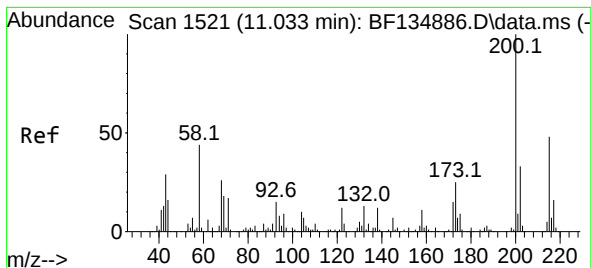


#68  
Hexachlorobenzene  
Concen: 46.589 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59



Tgt Ion:284 Resp: 293187  
Ion Ratio Lower Upper  
284 100  
142 27.9 23.9 35.9  
249 29.8 24.1 36.1





#69

Atrazine

Concen: 55.090 ng

RT: 11.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

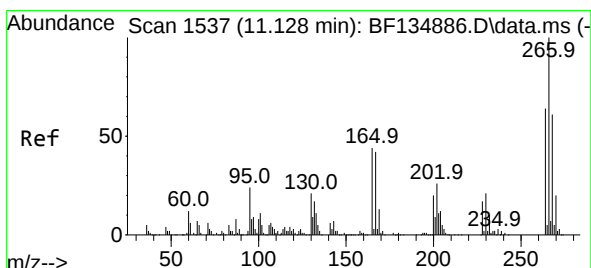
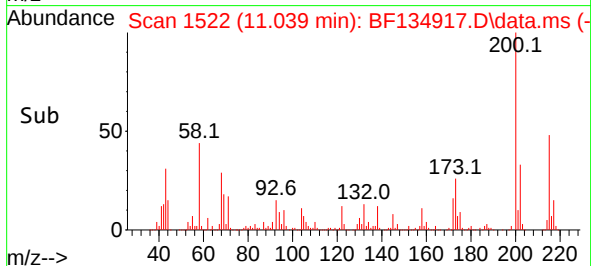
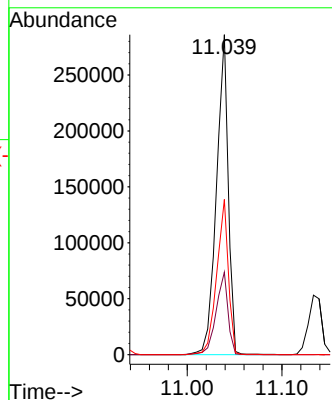
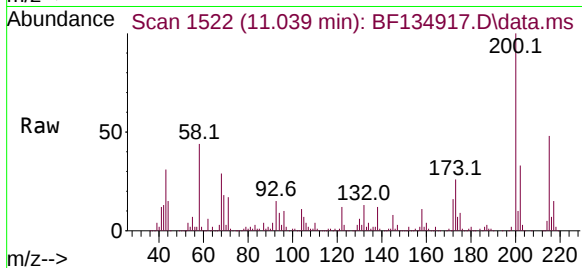
Tgt Ion:200 Resp: 247076

Ion Ratio Lower Upper

200 100

173 25.8 5.3 45.3

215 48.5 28.3 68.3



#70

Pentachlorophenol

Concen: 74.846 ng

RT: 11.139 min Scan# 1539

Delta R.T. 0.011 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

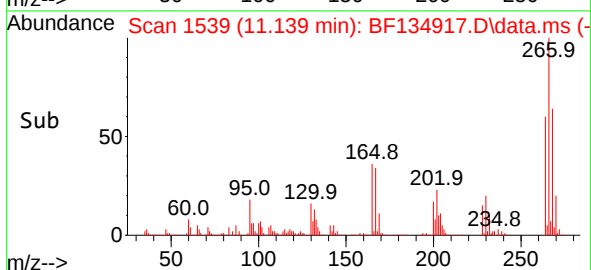
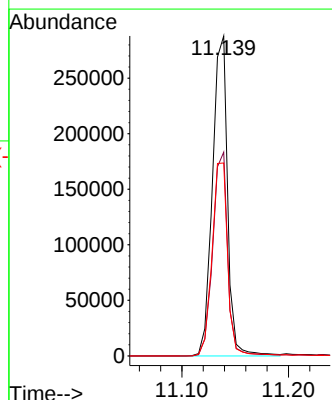
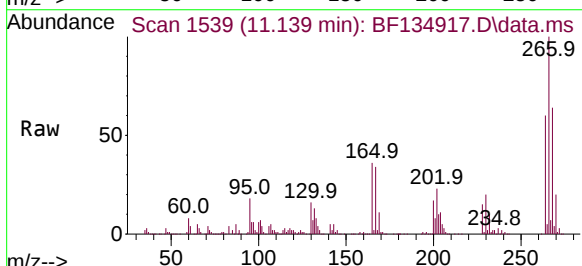
Tgt Ion:266 Resp: 283460

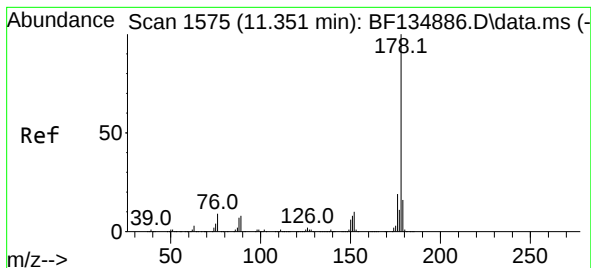
Ion Ratio Lower Upper

266 100

268 63.7 48.9 73.3

264 60.3 51.0 76.6





#71

Phenanthrene

Concen: 44.908 ng

RT: 11.357 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

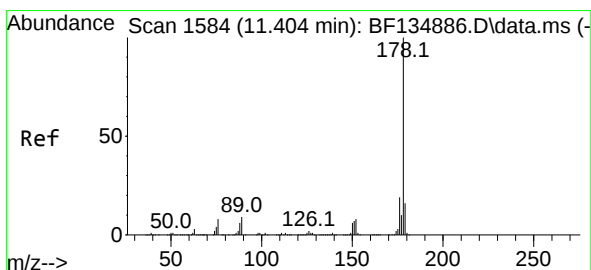
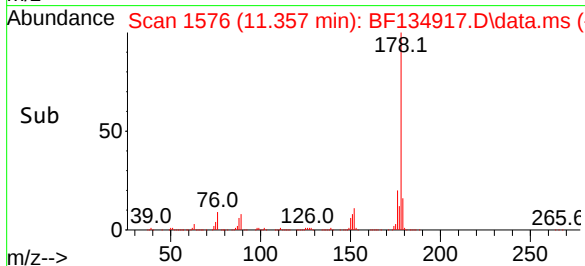
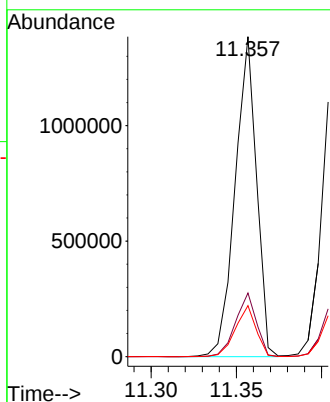
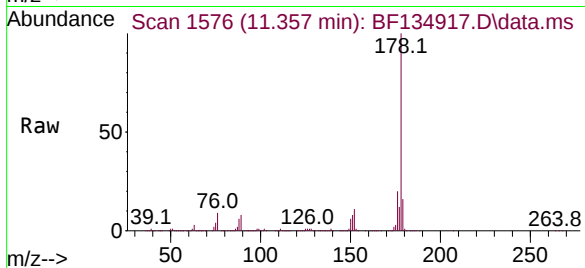
Tgt Ion:178 Resp: 1206960

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

179 15.9 12.6 19.0



#72

Anthracene

Concen: 44.813 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

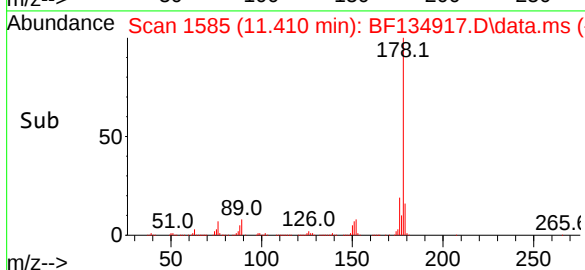
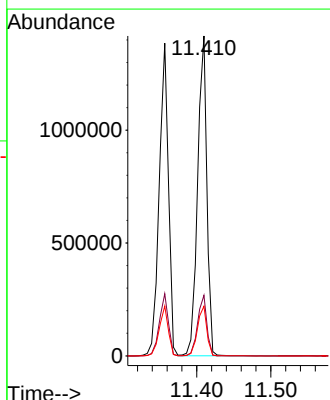
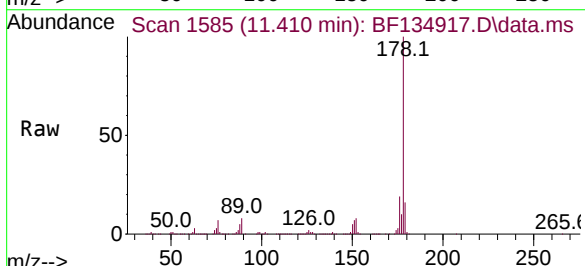
Tgt Ion:178 Resp: 1234031

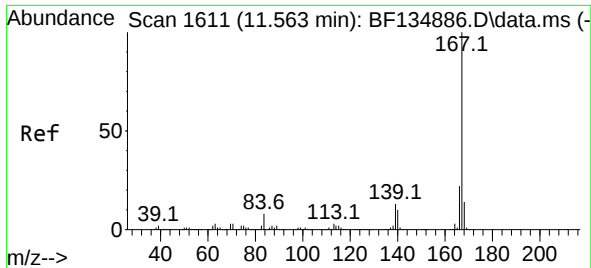
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 15.5 12.5 18.7

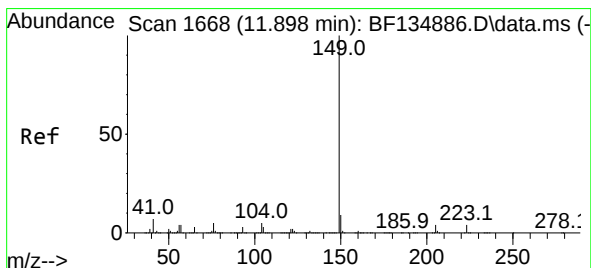
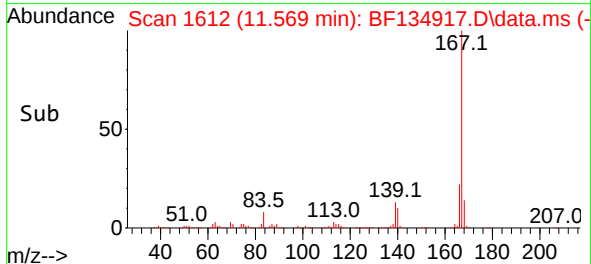
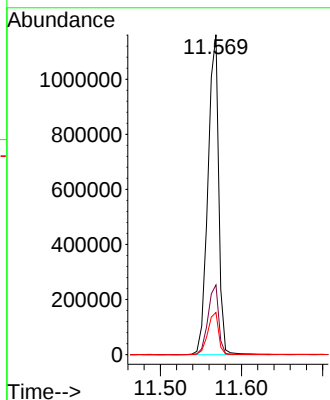
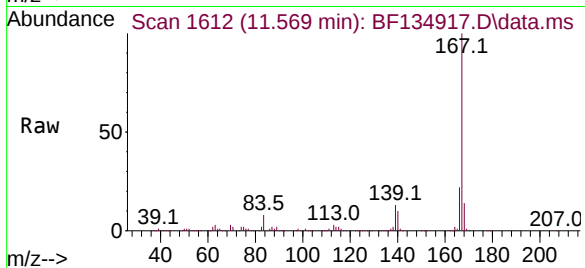




#73  
 Carbazole  
 Concen: 47.322 ng  
 RT: 11.569 min Scan# 1611  
 Delta R.T. 0.006 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

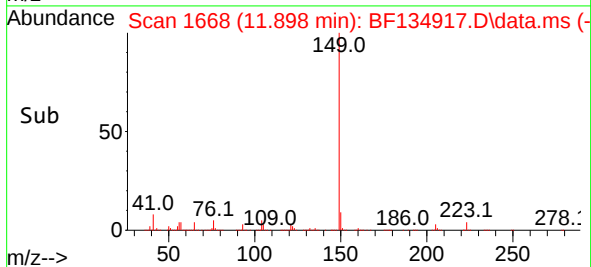
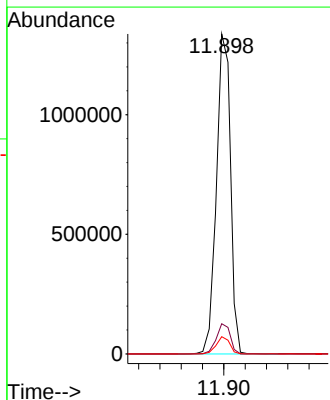
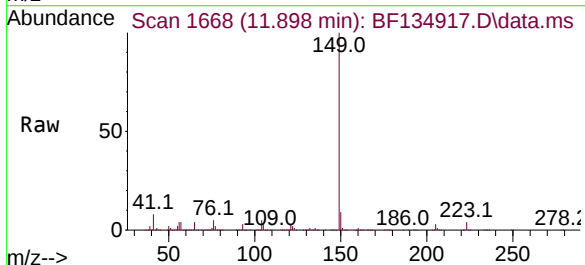
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154990BS

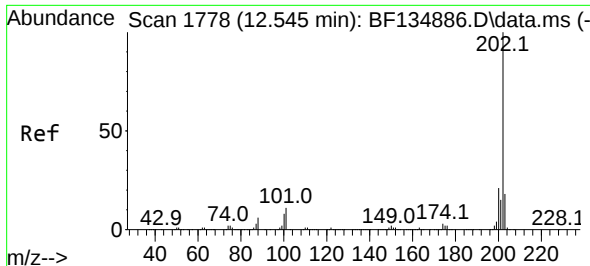
Tgt Ion:167 Resp: 1073800  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.4 26.2  
 139 13.2 10.4 15.6



#74  
 Di-n-butylphthalate  
 Concen: 47.269 ng  
 RT: 11.898 min Scan# 1668  
 Delta R.T. -0.000 min  
 Lab File: BF134917.D  
 Acq: 24 Aug 2023 10:59

Tgt Ion:149 Resp: 1230162  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.2  
 104 5.4 4.1 6.1

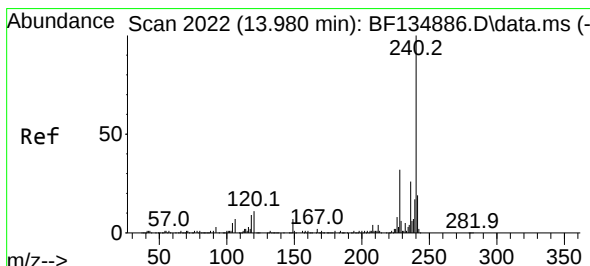
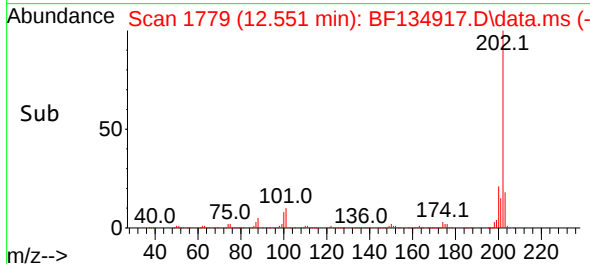
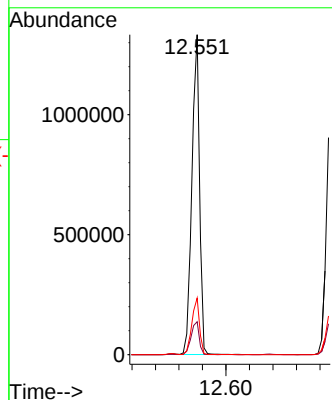
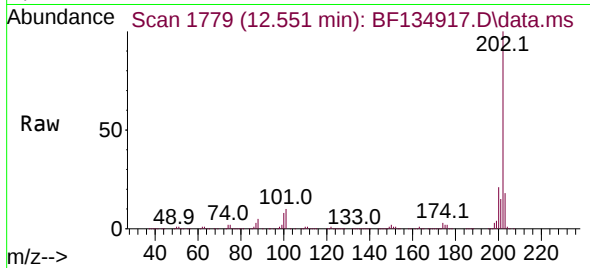




#75  
Fluoranthene  
Concen: 47.498 ng  
RT: 12.551 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

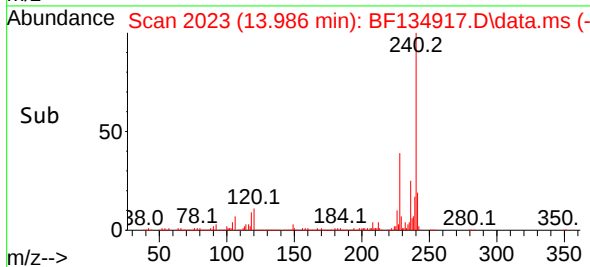
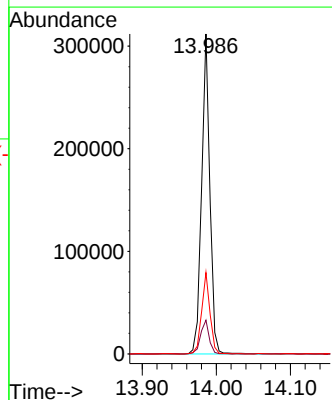
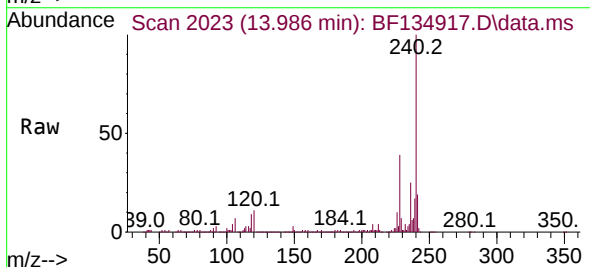
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

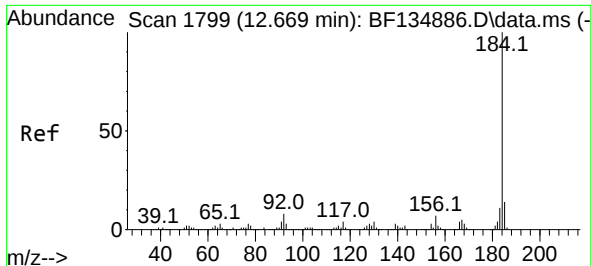
Tgt Ion:202 Resp: 1209557  
Ion Ratio Lower Upper  
202 100  
101 10.3 0.0 30.5  
203 17.7 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:240 Resp: 241611  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.6 12.8  
236 25.4 20.6 31.0

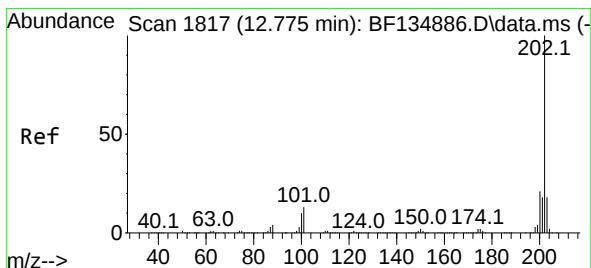
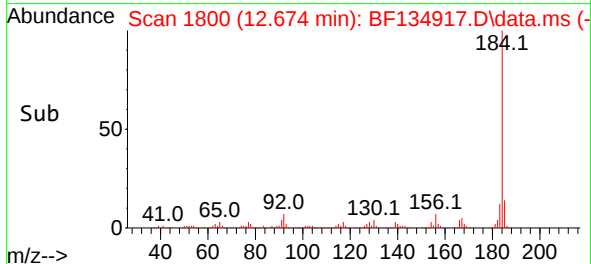
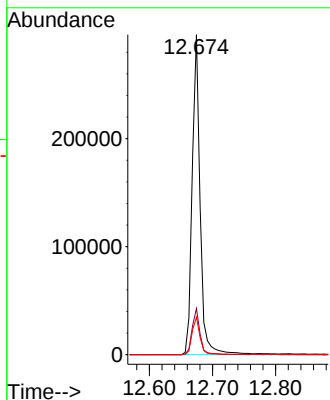
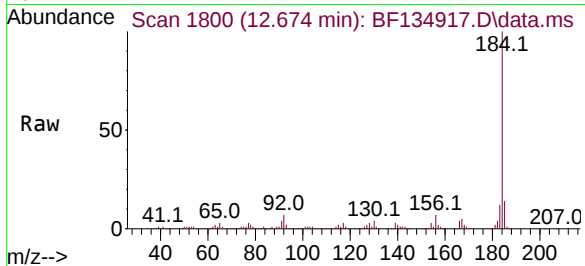




#77  
Benzidine  
Concen: 66.299 ng  
RT: 12.674 min Scan# 1818  
Delta R.T. 0.005 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

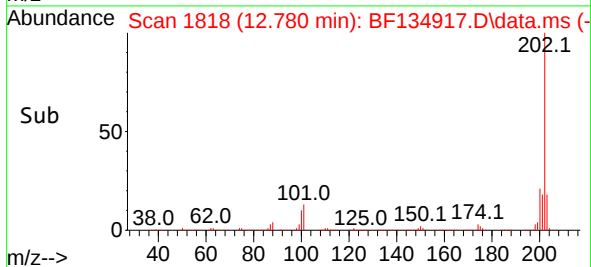
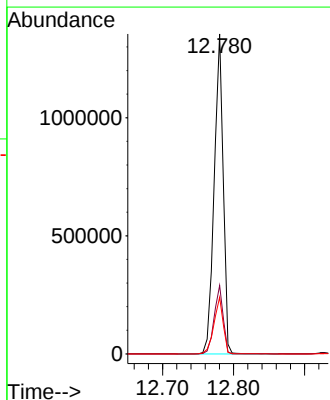
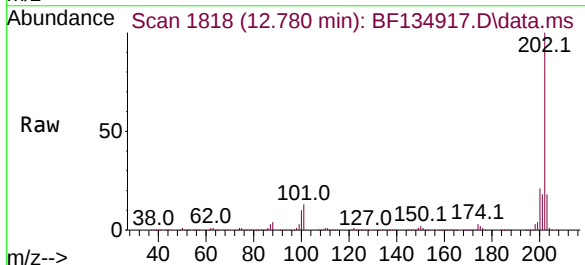
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

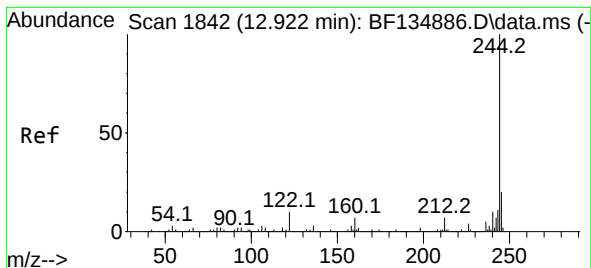
Tgt Ion:184 Resp: 259897  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.4 17.0  
183 11.7 9.0 13.4



#78  
Pyrene  
Concen: 46.726 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:202 Resp: 1196981  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.1 25.7  
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 94.015 ng

RT: 12.927 min Scan# 1842

Delta R.T. 0.005 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

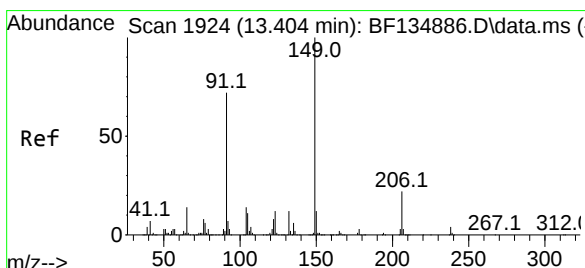
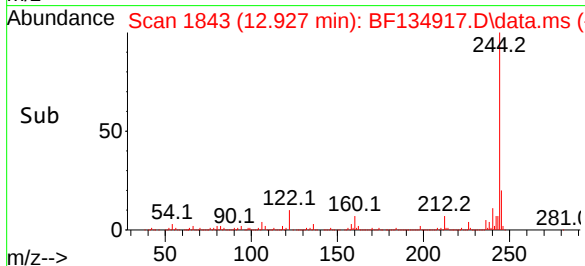
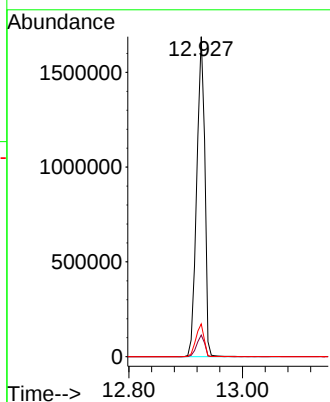
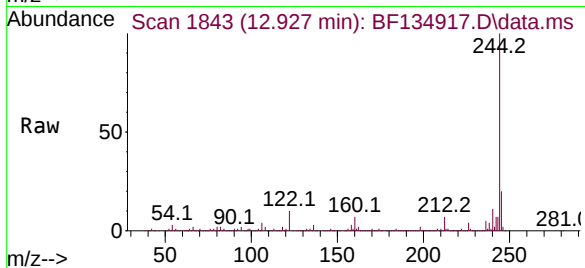
Tgt Ion:244 Resp: 1651523

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.2 8.2 12.4



#80

Butylbenzylphthalate

Concen: 52.420 ng

RT: 13.404 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

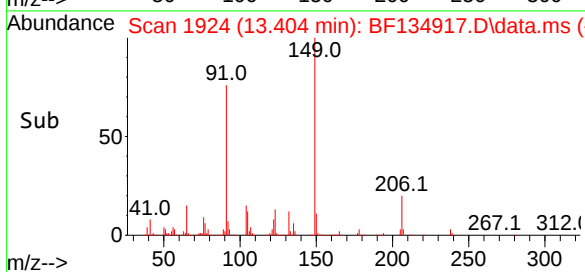
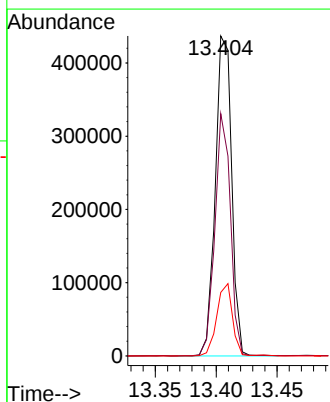
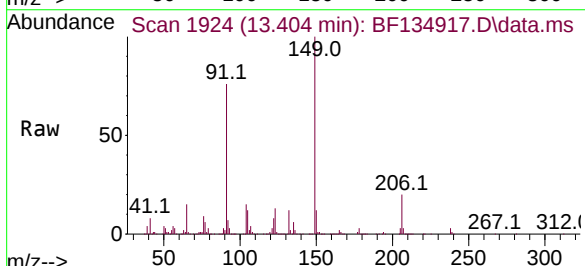
Tgt Ion:149 Resp: 409130

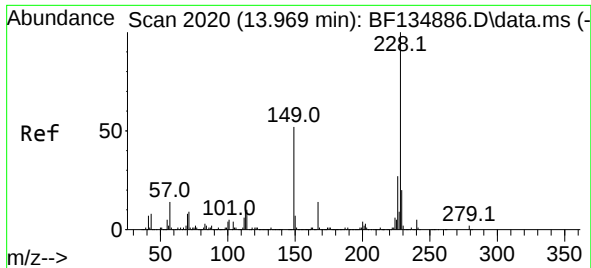
Ion Ratio Lower Upper

149 100

91 75.7 57.2 85.8

206 19.8 18.0 27.0

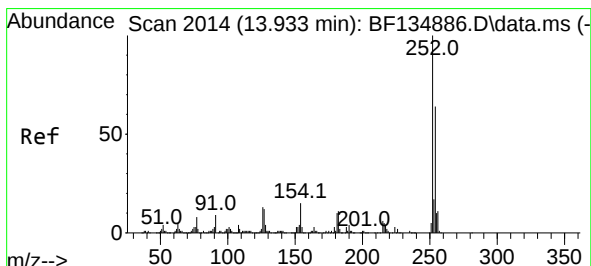
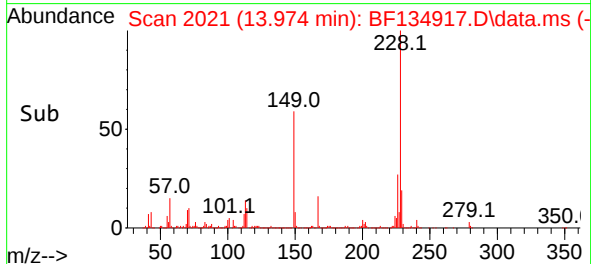
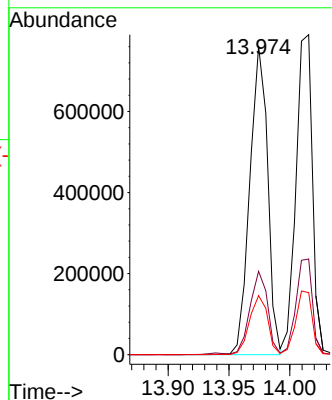
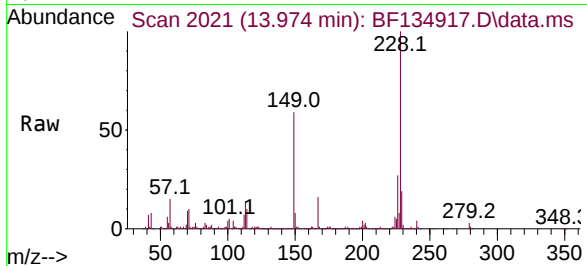




#81  
Benzo(a)anthracene  
Concen: 47.025 ng  
RT: 13.974 min Scan# 2015  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

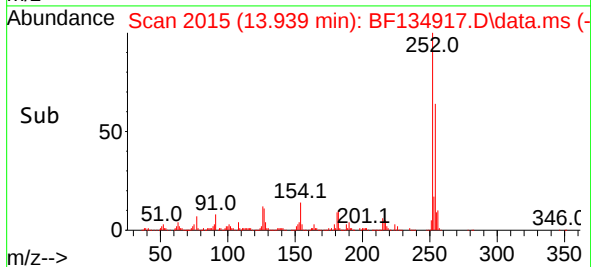
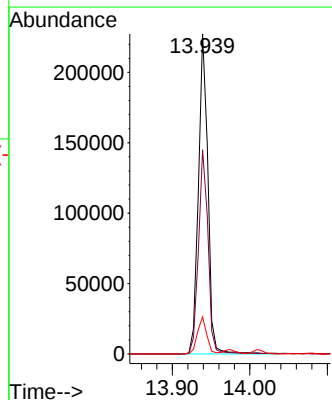
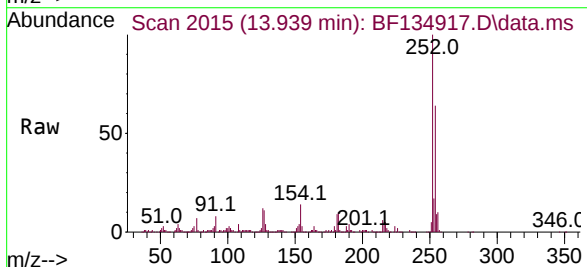
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

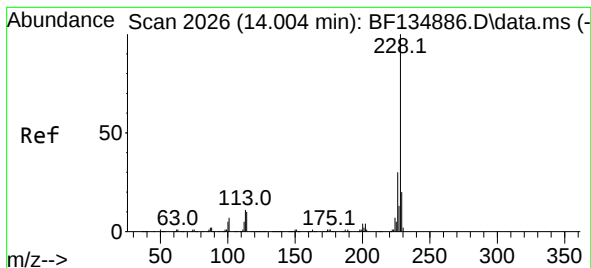
Tgt Ion:228 Resp: 775191  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.6  
229 19.1 15.6 23.4



#82  
3,3'-Dichlorobenzidine  
Concen: 36.899 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:252 Resp: 192518  
Ion Ratio Lower Upper  
252 100  
254 63.8 51.6 77.4  
126 11.6 10.3 15.5





#83

Chrysene

Concen: 46.042 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.011 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

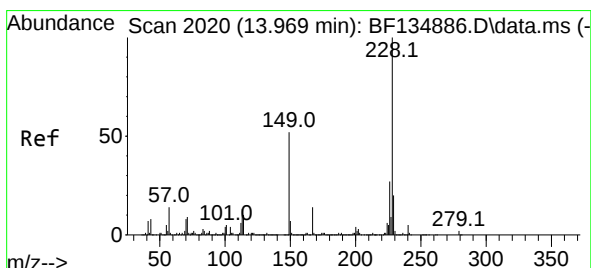
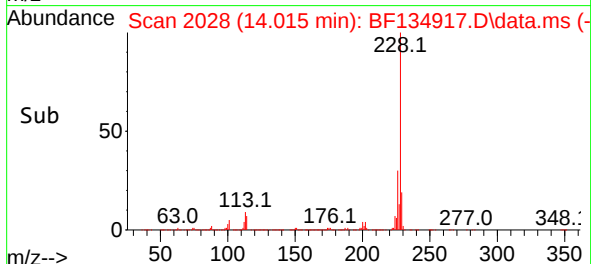
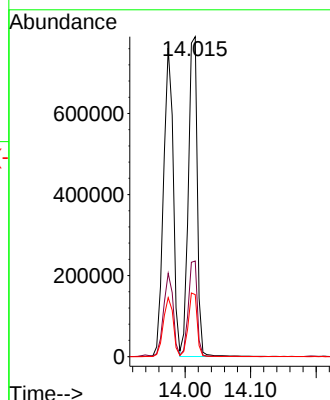
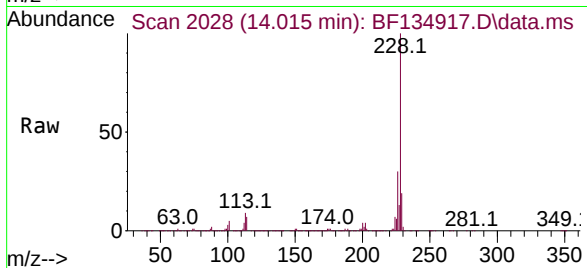
Tgt Ion:228 Resp: 748858

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

229 19.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.612 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

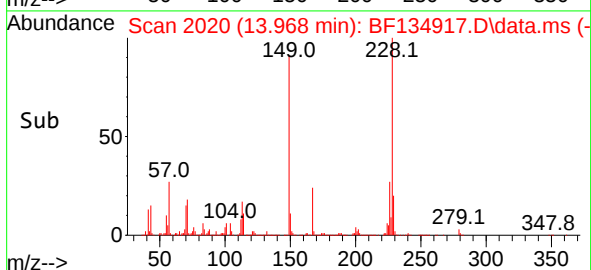
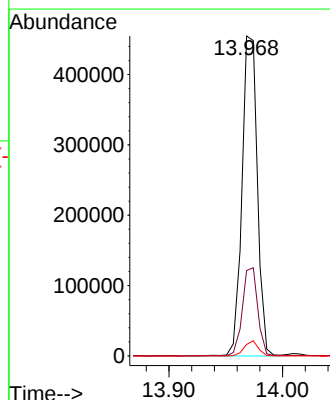
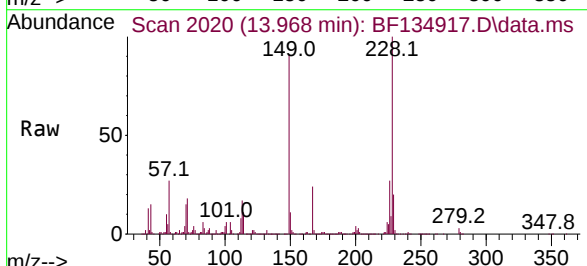
Tgt Ion:149 Resp: 427900

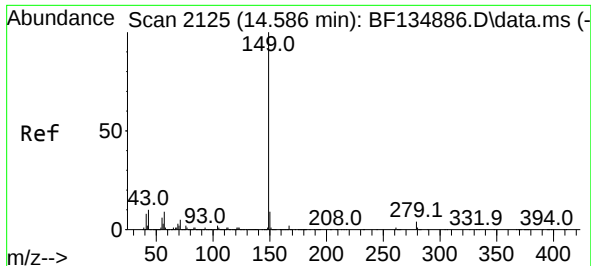
Ion Ratio Lower Upper

149 100

167 26.7 22.1 33.1

279 3.6 3.6 5.4

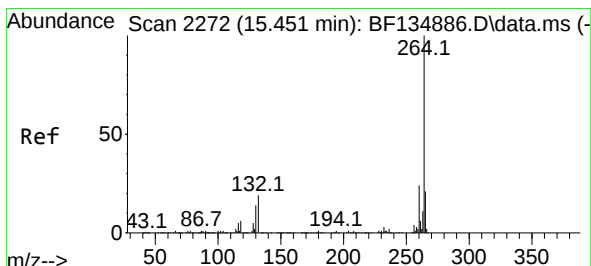
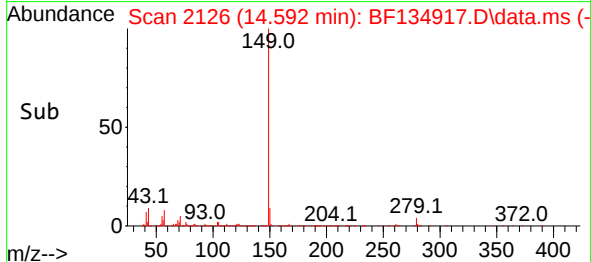
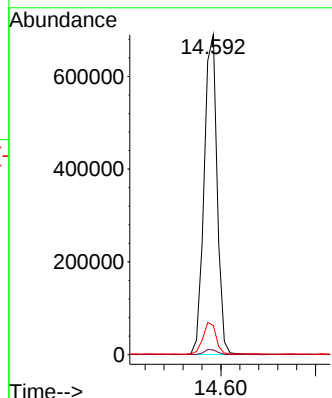
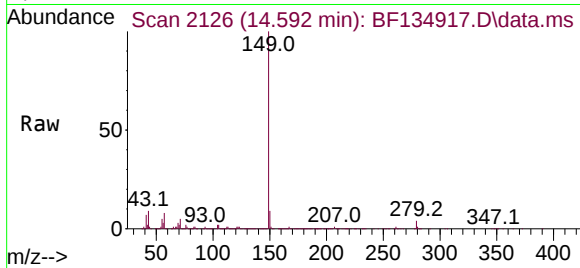




#85  
Di-n-octyl phthalate  
Concen: 47.863 ng  
RT: 14.592 min Scan# 2125  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

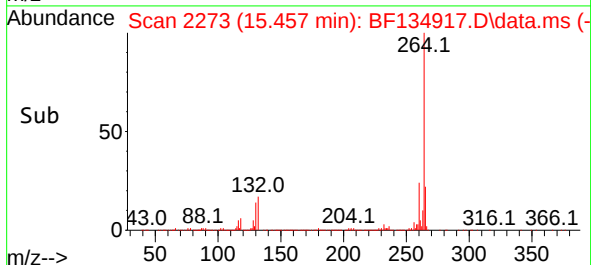
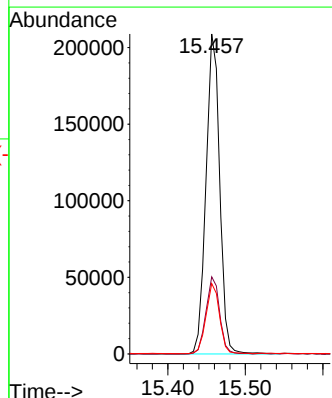
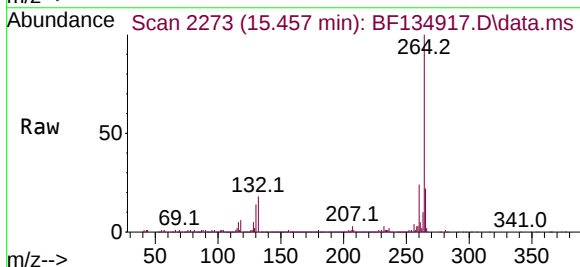
Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

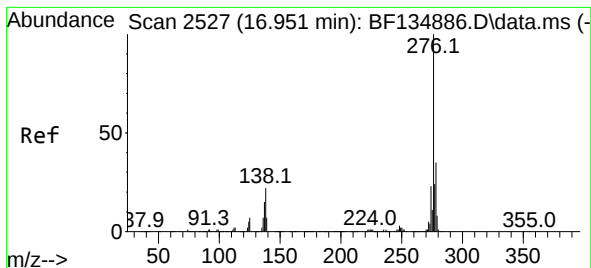
Tgt Ion:149 Resp: 659865  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.1 8.3 12.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2273  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:264 Resp: 256312  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.0 28.6  
265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.055 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

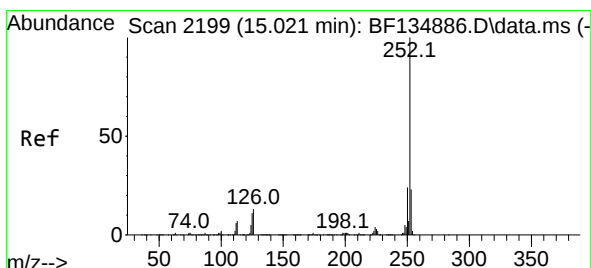
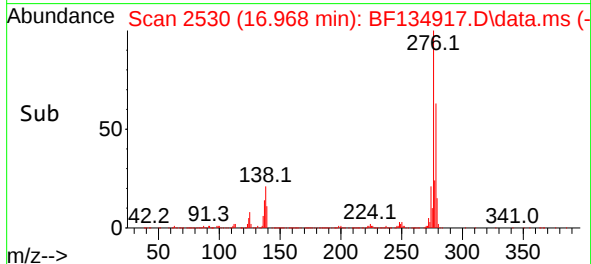
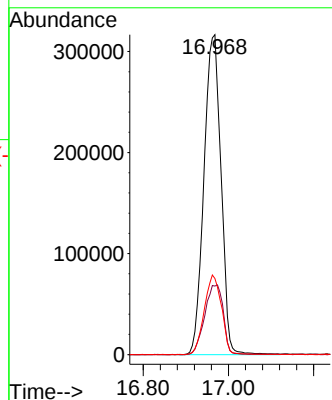
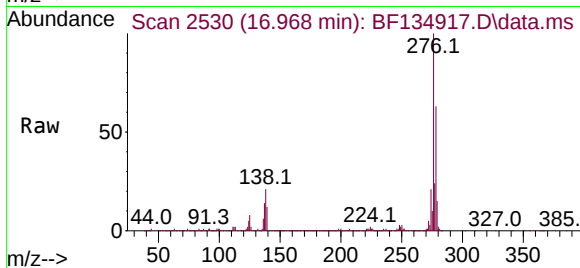
Tgt Ion:276 Resp: 880419

Ion Ratio Lower Upper

276 100

138 23.7 19.7 29.5

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 52.208 ng

RT: 15.033 min Scan# 2201

Delta R.T. 0.012 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

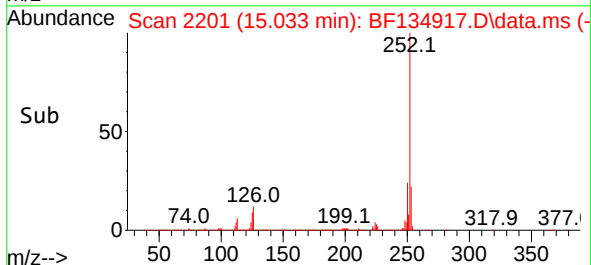
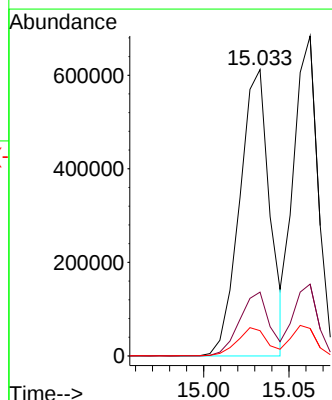
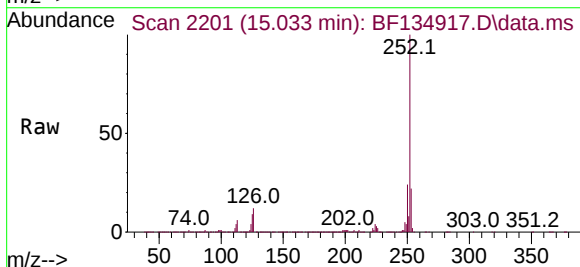
Tgt Ion:252 Resp: 754972

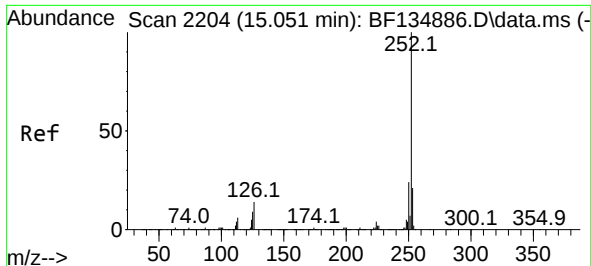
Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 8.8 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 47.934 ng

RT: 15.062 min Scan# 2206

Delta R.T. 0.012 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

Instrument :

BNA\_F

ClientSampleId :

PB154990BS

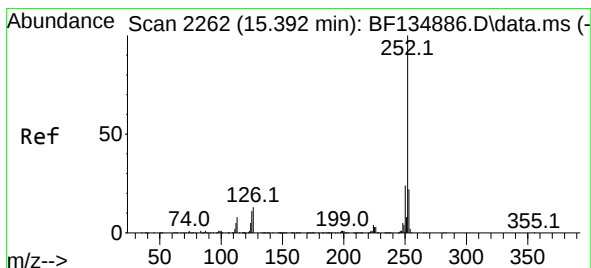
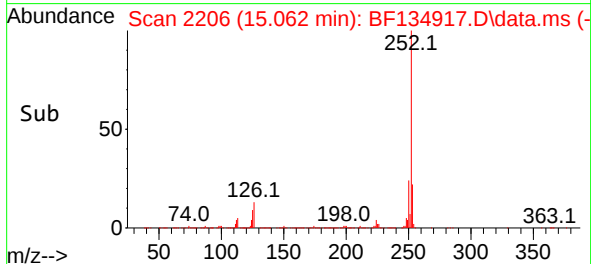
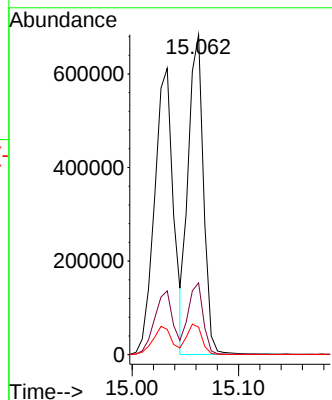
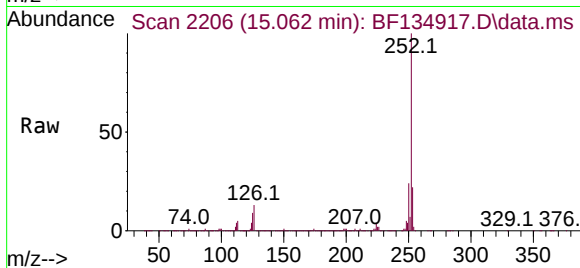
Tgt Ion:252 Resp: 680684

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 8.6 8.0 12.0



#90

Benzo(a)pyrene

Concen: 46.763 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF134917.D

Acq: 24 Aug 2023 10:59

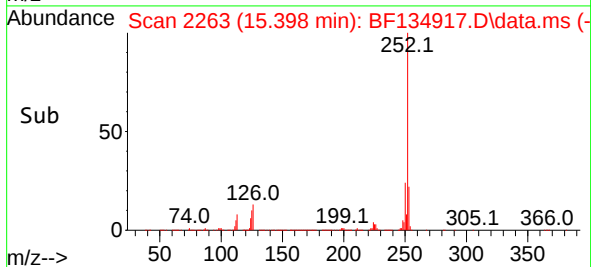
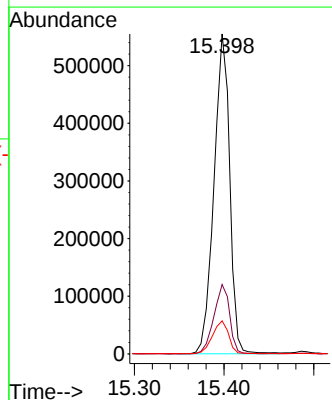
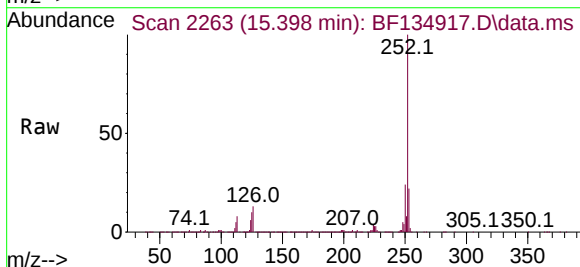
Tgt Ion:252 Resp: 675073

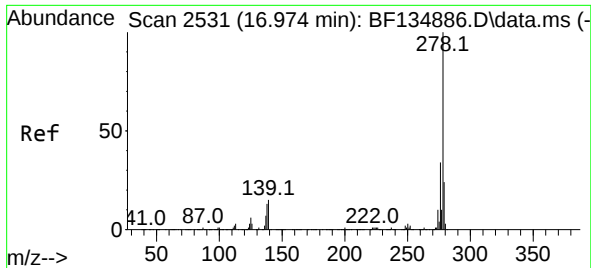
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 10.3 8.4 12.6

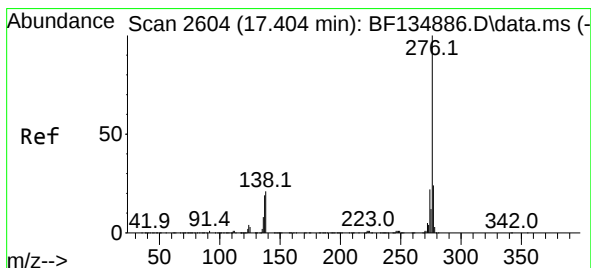
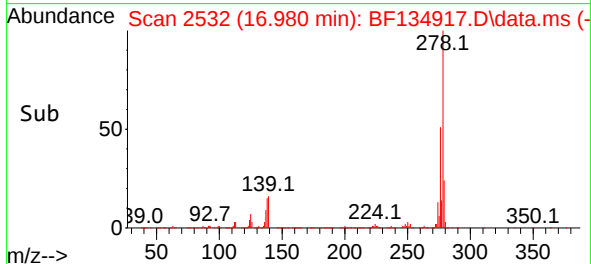
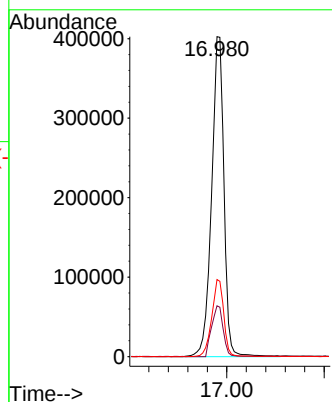
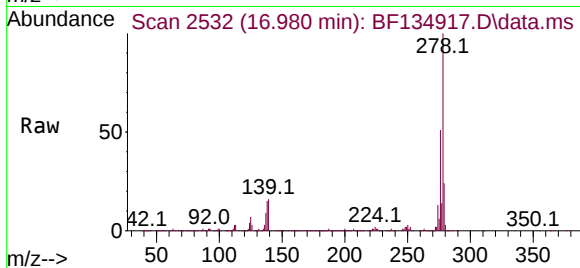




#91  
Dibenzo(a,h)anthracene  
Concen: 47.986 ng  
RT: 16.980 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB154990BS

Tgt Ion:278 Resp: 711339  
Ion Ratio Lower Upper  
278 100  
139 15.9 12.2 18.4  
279 24.1 19.1 28.7



#92  
Benzo(g,h,i)perylene  
Concen: 45.601 ng  
RT: 17.421 min Scan# 2607  
Delta R.T. 0.018 min  
Lab File: BF134917.D  
Acq: 24 Aug 2023 10:59

Tgt Ion:276 Resp: 691992  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.2 28.8  
138 20.9 17.0 25.6

