

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091223\  
 Data File : BF135178.D  
 Acq On : 12 Sep 2023 13:09  
 Operator : CG\JU  
 Sample : PB155440BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 13 02:02:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 110676   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.045  | 136  | 421060   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.804  | 164  | 220131   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.292 | 188  | 430396   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 228505   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 210344   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 877050   | 128.887 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.410  | 99   | 1123568  | 129.852 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.334  | 82   | 708336   | 91.397  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.598 | 330  | 297076   | 135.802 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.128  | 172  | 1256958  | 86.149  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.892 | 244  | 1315689  | 89.257  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.569  | 88   | 111592   | 37.408  | ng    | 98       |
| 3) Pyridine                   | 3.322  | 79   | 285532   | 35.564  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 190330   | 44.674  | ng    | 98       |
| 6) Aniline                    | 6.434  | 93   | 349692   | 30.819  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.551  | 128  | 345321   | 47.538  | ng    | 98       |
| 9) Benzaldehyde               | 6.316  | 77   | 125751   | 25.511  | ng    | 96       |
| 10) Phenol                    | 6.422  | 94   | 413249   | 43.555  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.510  | 93   | 317997   | 44.681  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.704  | 146  | 335411   | 45.433  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 344333   | 45.844  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.934  | 146  | 324525   | 46.526  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.916  | 79   | 290195   | 46.737  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.040  | 45   | 599574   | 44.694  | ng    | 97       |
| 17) 2-Methylphenol            | 7.028  | 107  | 276986   | 43.209  | ng    | 98       |
| 18) Hexachloroethane          | 7.269  | 117  | 128409   | 46.270  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.187  | 70   | 231361   | 43.169  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.181  | 107  | 325504   | 42.228  | ng    | 95       |
| 22) Acetophenone              | 7.181  | 105  | 446103   | 46.341  | ng    | 99       |
| 24) Nitrobenzene              | 7.351  | 77   | 353330   | 46.125  | ng    | 100      |
| 25) Isophorone                | 7.593  | 82   | 657520   | 46.202  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.663  | 139  | 183282   | 49.852  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.704  | 122  | 304554   | 49.283  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.798  | 93   | 403228   | 47.339  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 277520   | 48.465  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.987  | 180  | 288850   | 48.260  | ng    | 99       |
| 31) Naphthalene               | 8.069  | 128  | 958720   | 46.863  | ng    | 99       |
| 32) Benzoic acid              | 7.845  | 122  | 232977   | 50.066  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 166890   | 18.593  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.181  | 225  | 169569   | 46.985  | ng    | 98       |
| 35) Caprolactam               | 8.498  | 113  | 52806    | 27.477  | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.610  | 107  | 307860   | 48.373  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.757  | 142  | 612960   | 44.573  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.857  | 142  | 573964   | 44.580  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.928  | 216  | 295700   | 46.367  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.910  | 237  | 274197   | 95.955  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.039  | 196  | 197002   | 47.180  | ng    | 97       |

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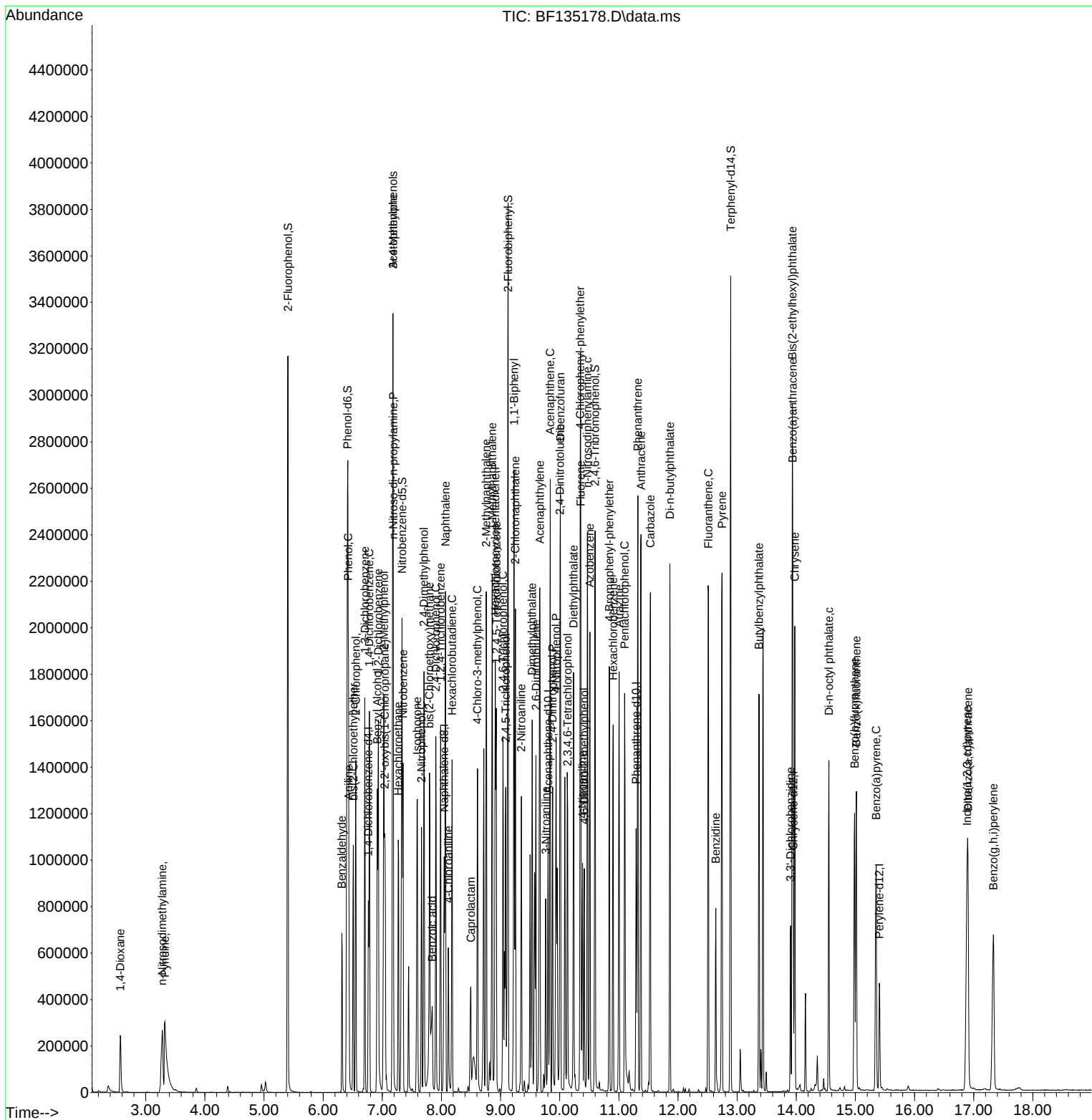
Instrument :  
 BNA\_F  
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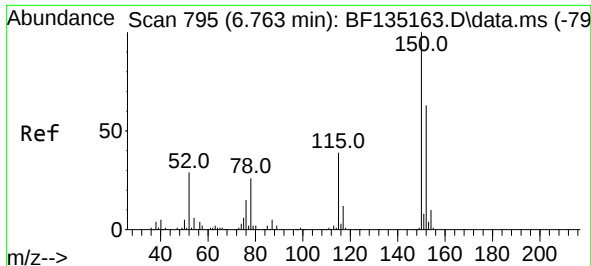
Quant Time: Sep 13 02:02:12 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.087  | 196  | 218193   | 45.376 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.228  | 154  | 767563   | 45.373 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.251  | 162  | 572372   | 46.633 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.351  | 65   | 217382   | 45.588 | ng    | 99       |
| 49) Acenaphthylene            | 9.663  | 152  | 926459   | 45.418 | ng    | 100      |
| 50) Dimethylphthalate         | 9.534  | 163  | 689576   | 46.333 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.598  | 165  | 152084   | 46.646 | ng    | 90       |
| 52) Acenaphthene              | 9.839  | 154  | 544357   | 45.173 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.763  | 138  | 112685   | 29.444 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.881  | 184  | 161427   | 86.652 | ng    | 98       |
| 55) Dibenzofuran              | 10.010 | 168  | 829410   | 45.104 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 238551   | 98.074 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 190072   | 46.567 | ng    | 94       |
| 58) Fluorene                  | 10.357 | 166  | 633145   | 44.788 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.134 | 232  | 180418   | 48.775 | ng    | 98       |
| 60) Diethylphthalate          | 10.234 | 149  | 692191   | 46.342 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204  | 296256   | 43.627 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.386 | 138  | 169751   | 46.143 | ng    | 98       |
| 63) Azobenzene                | 10.510 | 77   | 661535   | 45.254 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.416 | 198  | 113492   | 49.647 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.469 | 169  | 596639   | 45.789 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.839 | 248  | 199304   | 46.560 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.904 | 284  | 218965   | 50.210 | ng    | 99       |
| 69) Atrazine                  | 11.004 | 200  | 195737   | 55.829 | ng    | 97       |
| 70) Pentachlorophenol         | 11.098 | 266  | 230028   | 88.162 | ng    | 97       |
| 71) Phenanthrene              | 11.322 | 178  | 954529   | 46.892 | ng    | 99       |
| 72) Anthracene                | 11.375 | 178  | 988852   | 47.260 | ng    | 100      |
| 73) Carbazole                 | 11.533 | 167  | 927834   | 48.712 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.863 | 149  | 1074318  | 47.866 | ng    | 99       |
| 75) Fluoranthene              | 12.516 | 202  | 992919   | 46.812 | ng    | 98       |
| 77) Benzidine                 | 12.639 | 184  | 298598   | 63.785 | ng    | 99       |
| 78) Pyrene                    | 12.745 | 202  | 1008684  | 46.365 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.369 | 149  | 380961   | 49.736 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.939 | 228  | 692434   | 46.928 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.904 | 252  | 150758   | 32.711 | ng    | 98       |
| 83) Chrysene                  | 13.974 | 228  | 680375   | 46.379 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 395774   | 50.352 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.551 | 149  | 632530   | 50.637 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 702749   | 50.955 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 588651   | 51.696 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 561653   | 49.934 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.351 | 252  | 519213   | 47.815 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.904 | 278  | 566702   | 50.220 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 601297   | 51.022 | ng    | 99       |

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

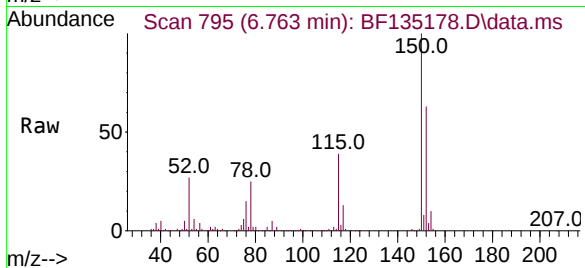
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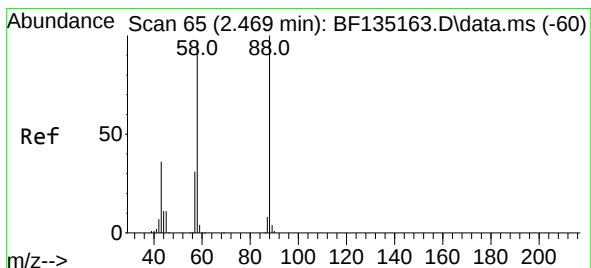
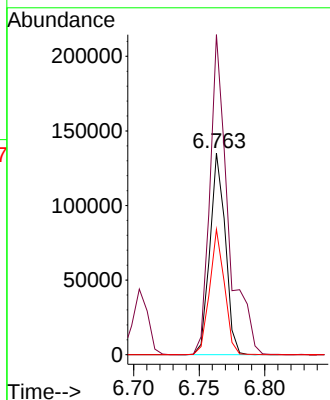
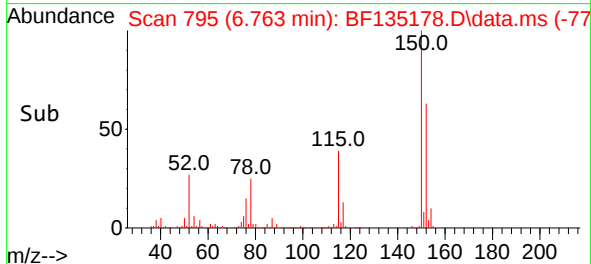


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.763 min Scan# 79  
 Delta R.T. 0.000 min  
 Lab File: BF135178.D  
 Acq: 12 Sep 2023 13:09

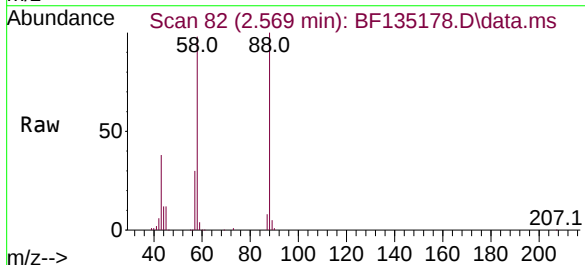
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 BNA\_F  
 ClientSampleId :



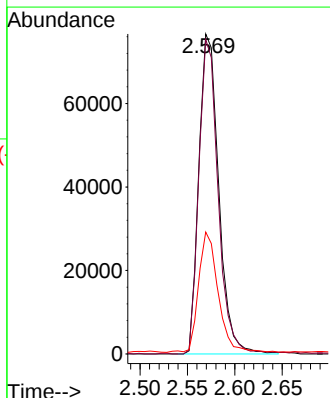
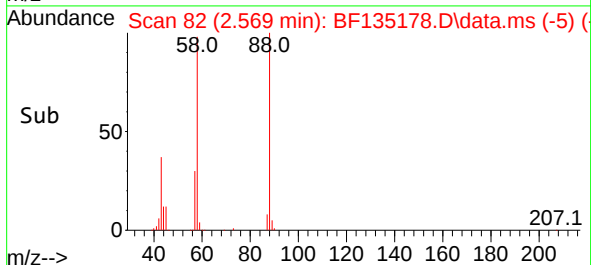
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 Ion Ratio Lower Upper  
 152 100  
 150 158.8 127.8 191.6  
 115 62.2 49.8 74.8

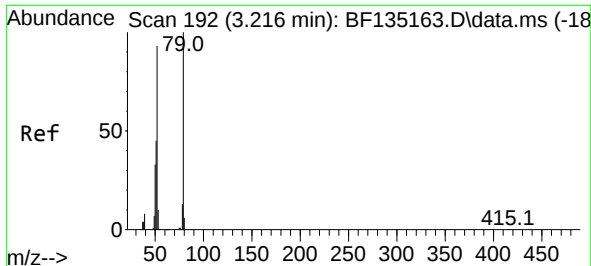


#2  
 1,4-Dioxane  
 Concen: 37.408 ng  
 RT: 2.569 min Scan# 82  
 Delta R.T. 0.100 min  
 Lab File: BF135178.D  
 Acq: 12 Sep 2023 13:09



Tgt Ion: 88 Resp: 111592  
 Ion Ratio Lower Upper  
 88 100  
 58 95.6 78.3 117.5  
 43 37.1 29.4 44.0

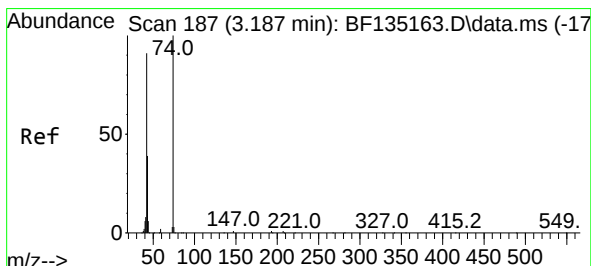
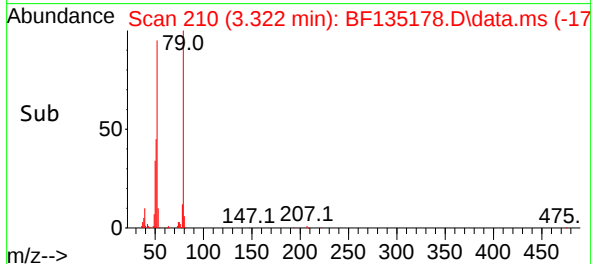
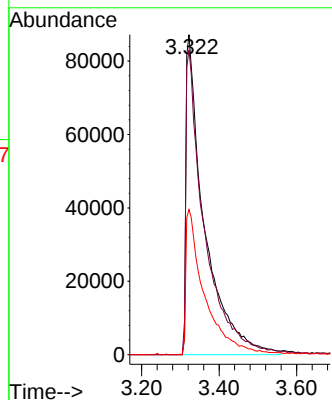
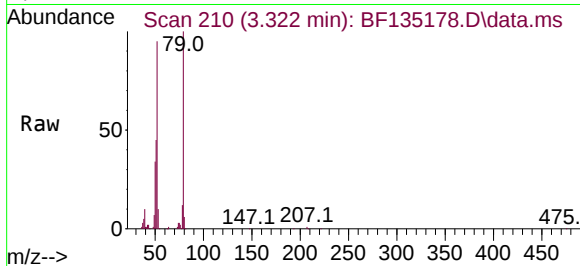




#3  
 Pyridine  
 Concen: 35.564 ng  
 RT: 3.322 min Scan# 21  
 Delta R.T. 0.106 min  
 Lab File: BF135178.D  
 Acq: 12 Sep 2023 13:09

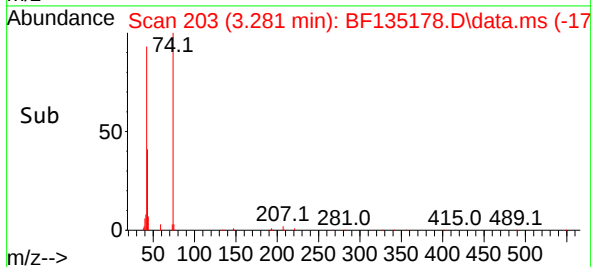
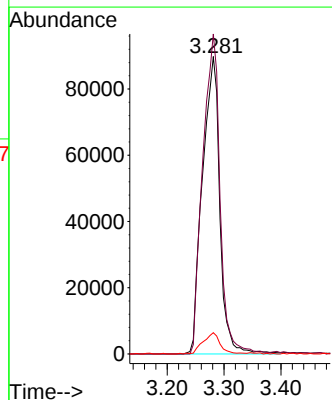
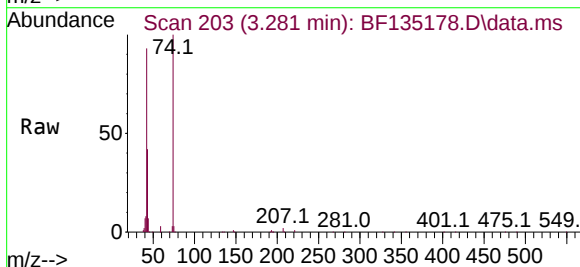
Instrument :  
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 ClientSampleId :

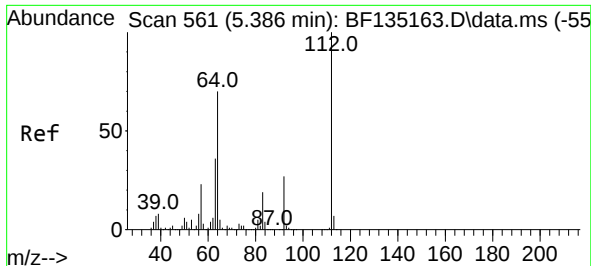
Tgt Ion: 79 Resp: 285532  
 Ion Ratio Lower Upper  
 79 100  
 52 95.1 74.1 111.1  
 51 45.4 35.8 53.8



#4  
 n-Nitrosodimethylamine  
 Concen: 44.674 ng  
 RT: 3.281 min Scan# 203  
 Delta R.T. 0.094 min  
 Lab File: BF135178.D  
 Acq: 12 Sep 2023 13:09

Tgt Ion: 42 Resp: 190330  
 Ion Ratio Lower Upper  
 42 100  
 74 107.6 87.7 131.5  
 44 7.2 5.6 8.4

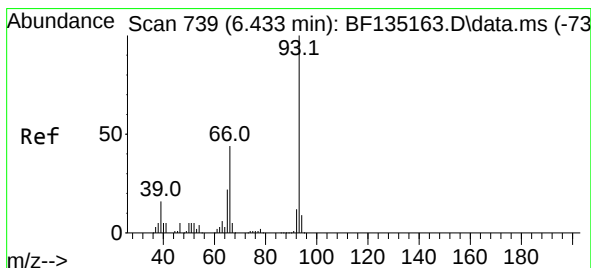
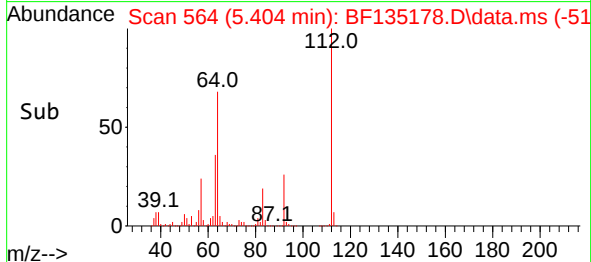
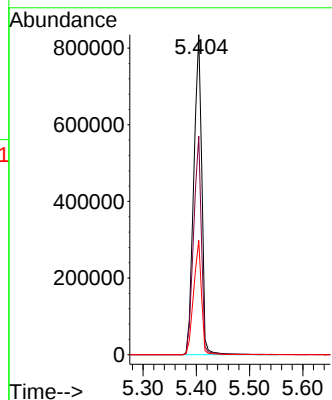
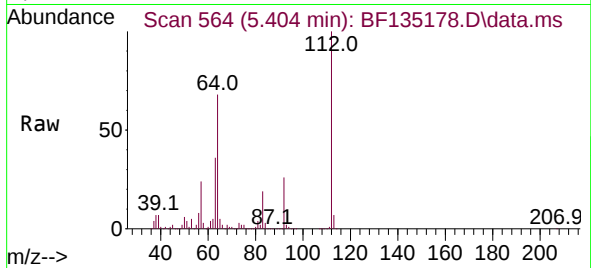




#5  
2-Fluorophenol  
Concen: 128.887 ng  
RT: 5.404 min Scan# 561  
Delta R.T. 0.018 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

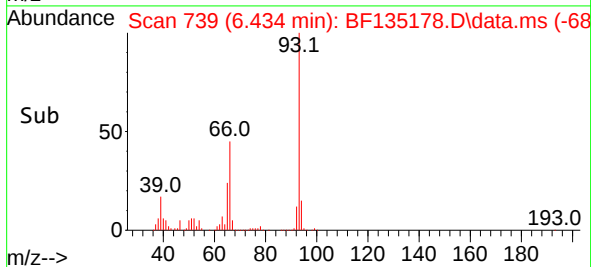
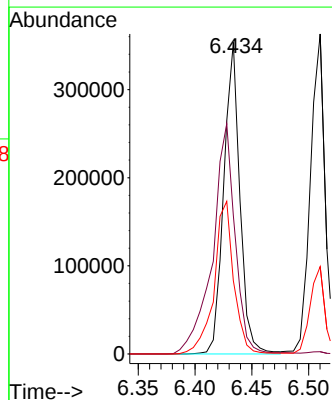
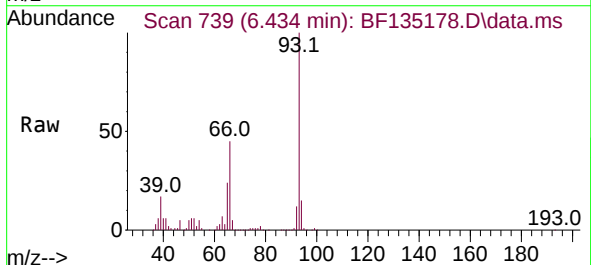
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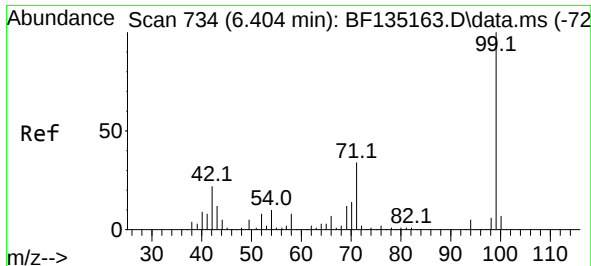
Tgt Ion:112 Resp: 877050  
Ion Ratio Lower Upper  
112 100  
64 68.3 55.9 83.9  
63 35.7 29.0 43.6



#6  
Aniline  
Concen: 30.819 ng  
RT: 6.434 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion: 93 Resp: 349692  
Ion Ratio Lower Upper  
93 100  
66 44.5 35.4 53.0  
65 23.6 17.8 26.8





#7

Phenol-d6

Concen: 129.852 ng

RT: 6.410 min Scan# 710

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

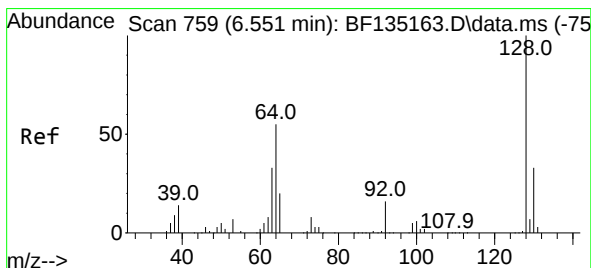
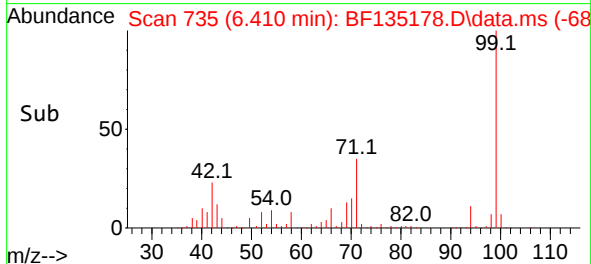
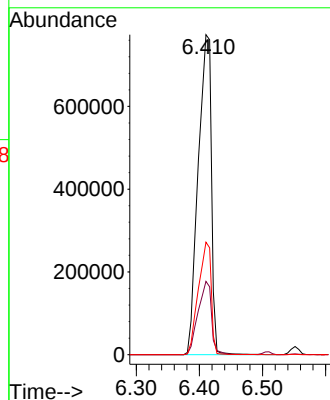
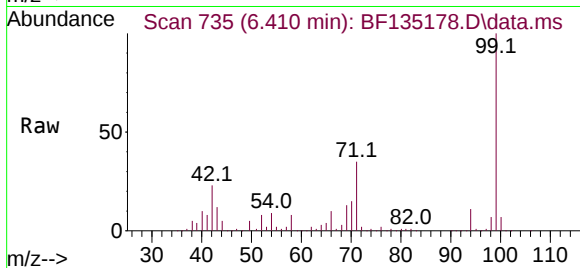
Instrument :

BNA\_F

ClientSampleId :

Tgt Ion: 99 Resp: 1123568

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.9  | 17.9  | 26.9  |
| 71  | 35.2  | 27.0  | 40.6  |



#8

2-Chlorophenol

Concen: 47.538 ng

RT: 6.551 min Scan# 759

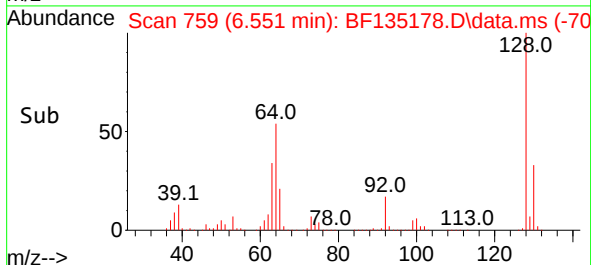
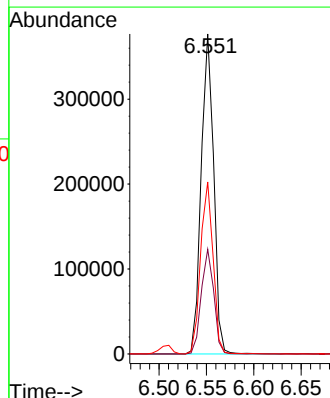
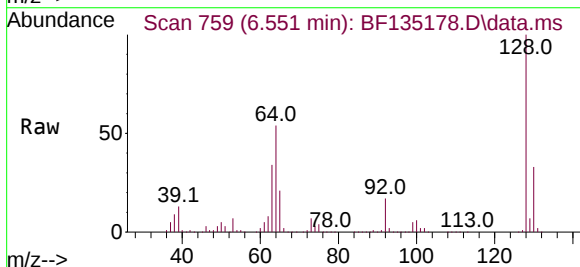
Delta R.T. 0.000 min

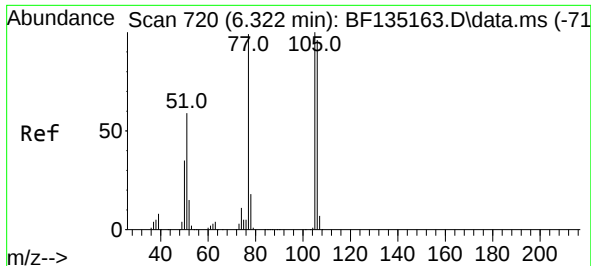
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Tgt Ion:128 Resp: 345321

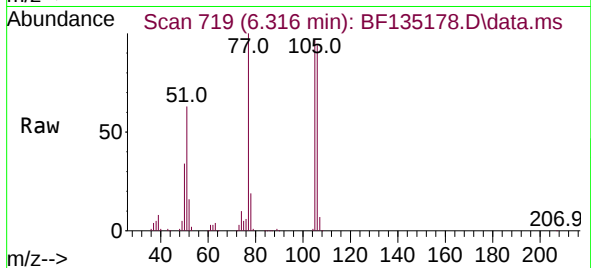
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.7  | 12.7  | 52.7  |
| 64  | 53.7  | 35.9  | 75.9  |



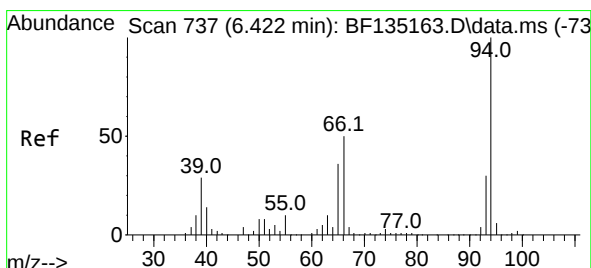
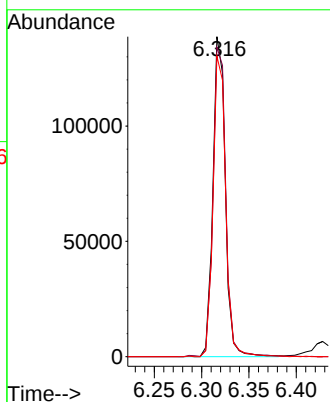
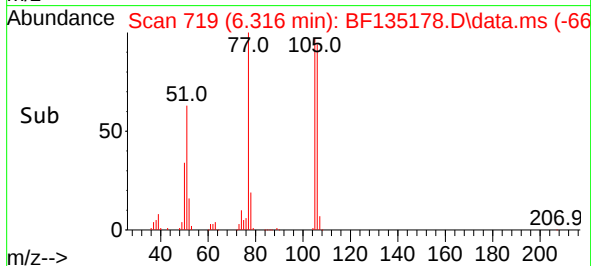


#9  
Benzaldehyde  
Concen: 25.511 ng  
RT: 6.316 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Instrument :  
BNA\_F  
ClientSampleId :

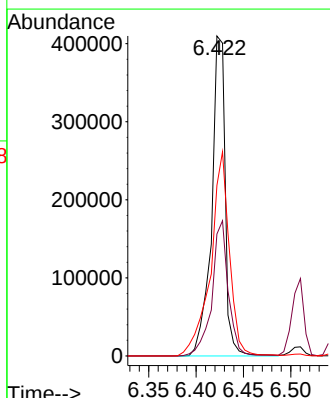
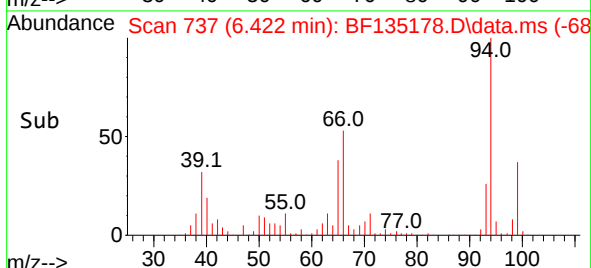
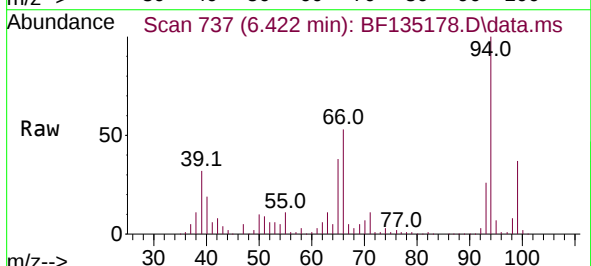


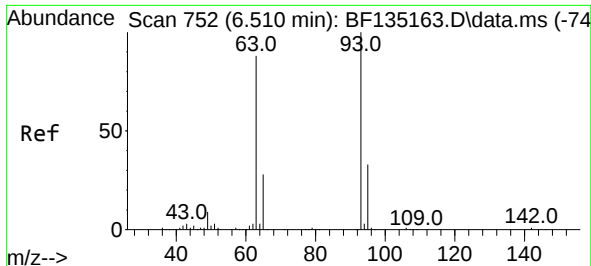
Tgt Ion: 77 Resp: 125751  
Ion Ratio Lower Upper  
77 100  
105 96.7 81.4 121.4  
106 93.9 76.9 116.9



#10  
Phenol  
Concen: 43.555 ng  
RT: 6.422 min Scan# 737  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion: 94 Resp: 413249  
Ion Ratio Lower Upper  
94 100  
65 38.1 15.9 55.9  
66 53.3 29.8 69.8

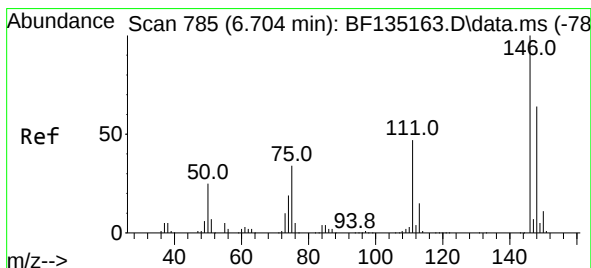
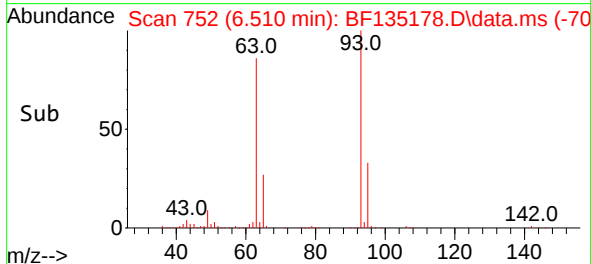
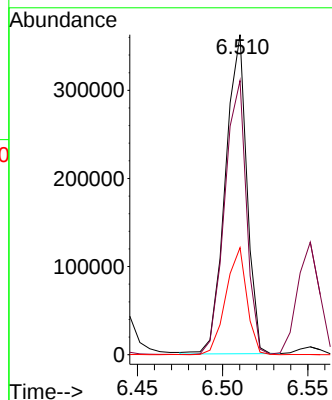
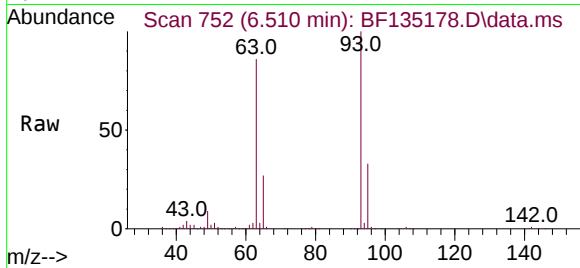




#11  
bis(2-Chloroethyl)ether  
Concen: 44.681 ng  
RT: 6.510 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

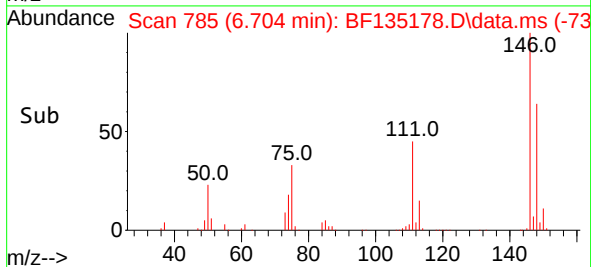
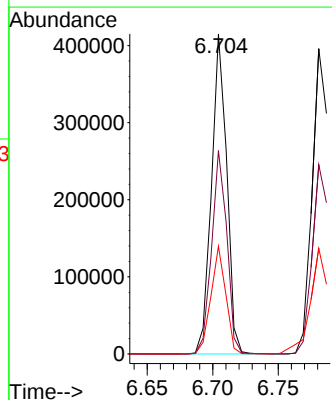
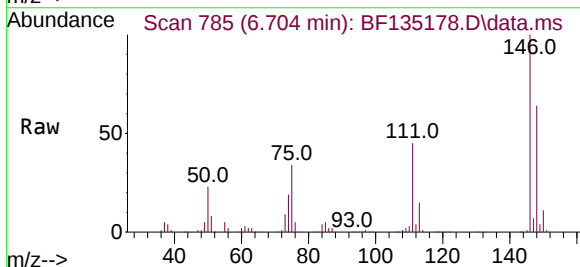
Instrument :  
BNA\_F  
ClientSampleId :

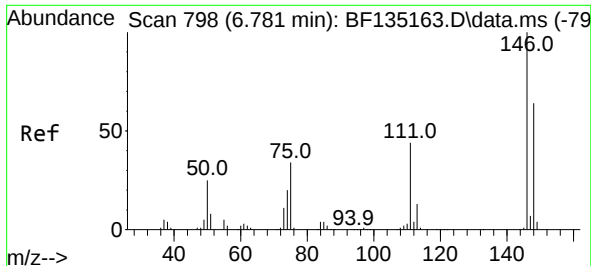
Tgt Ion: 93 Resp: 317997  
Ion Ratio Lower Upper  
93 100  
63 85.7 67.3 107.3  
95 33.5 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 45.433 ng  
RT: 6.704 min Scan# 785  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:146 Resp: 335411  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.3 76.9  
75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 45.844 ng

RT: 6.781 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

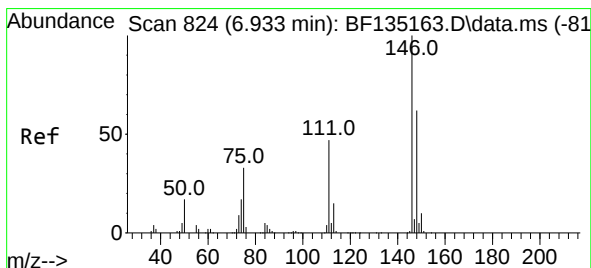
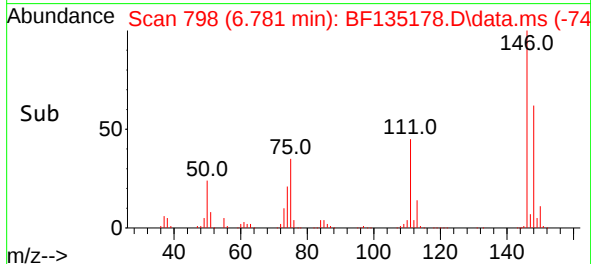
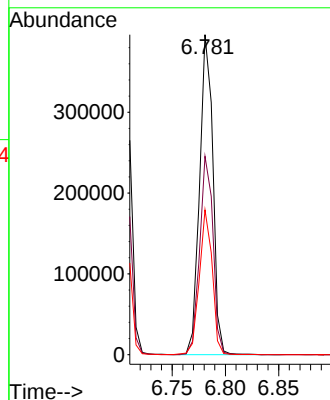
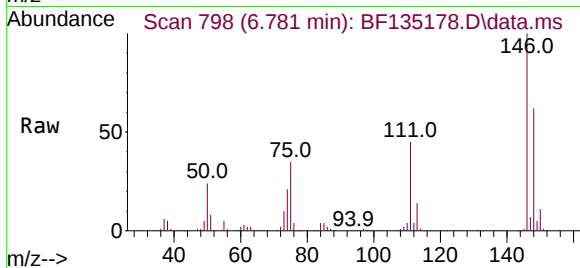
Tgt Ion:146 Resp: 344333

Ion Ratio Lower Upper

146 100

148 62.0 51.3 76.9

111 45.3 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 46.526 ng

RT: 6.934 min Scan# 824

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

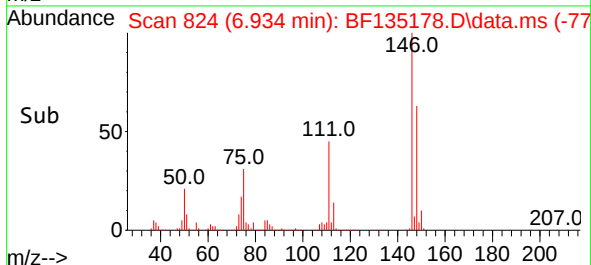
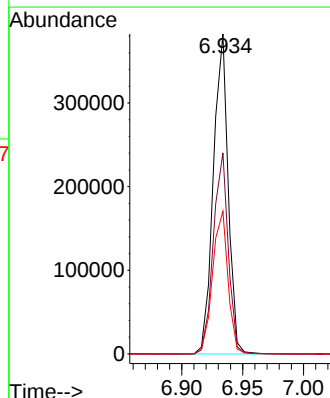
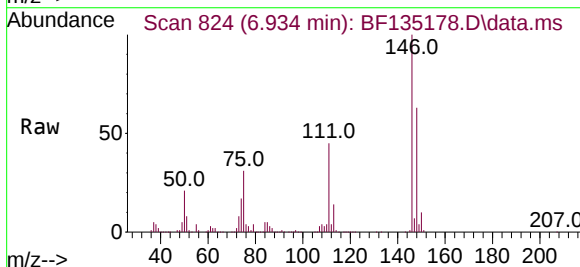
Tgt Ion:146 Resp: 324525

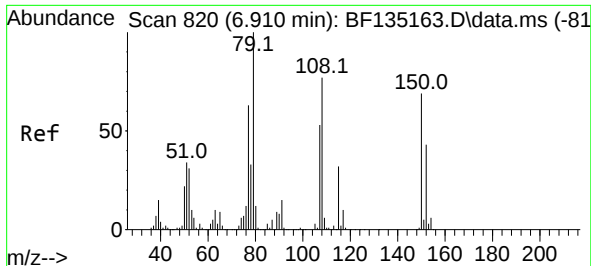
Ion Ratio Lower Upper

146 100

148 62.9 49.7 74.5

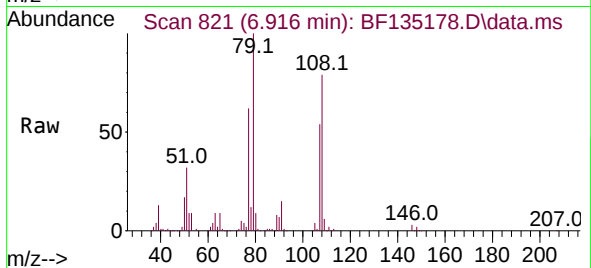
111 44.6 37.4 56.2



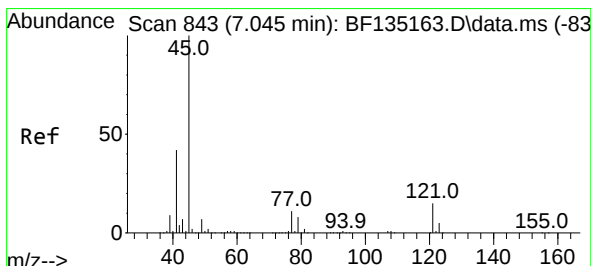
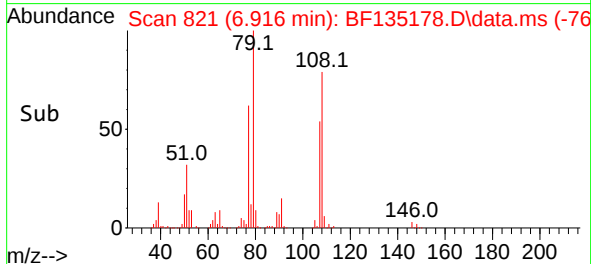
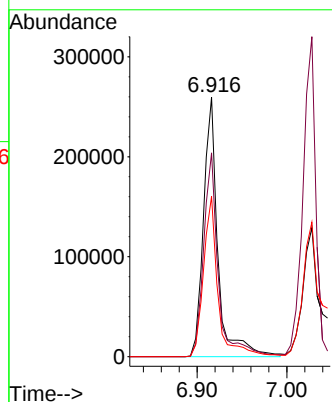


#15  
Benzyl Alcohol  
Concen: 46.737 ng  
RT: 6.916 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Instrument :  
BNA\_F  
ClientSampleId :

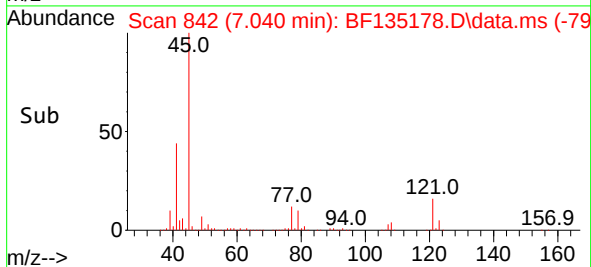
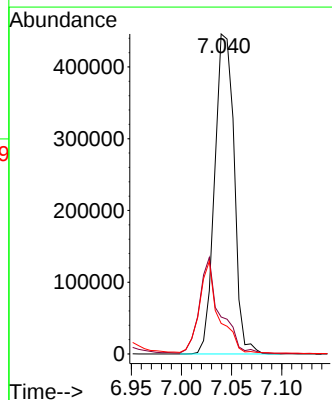
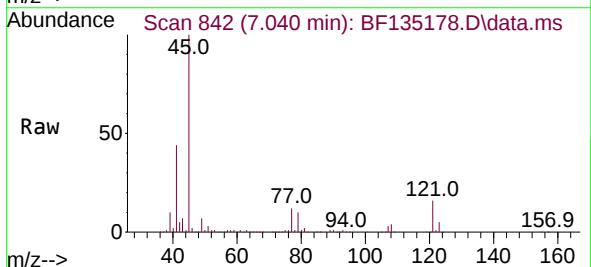


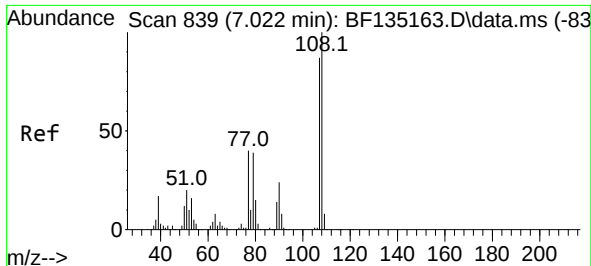
Tgt Ion: 79 Resp: 290195  
Ion Ratio Lower Upper  
79 100  
108 78.6 61.2 91.8  
77 61.8 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.694 ng  
RT: 7.040 min Scan# 842  
Delta R.T. -0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

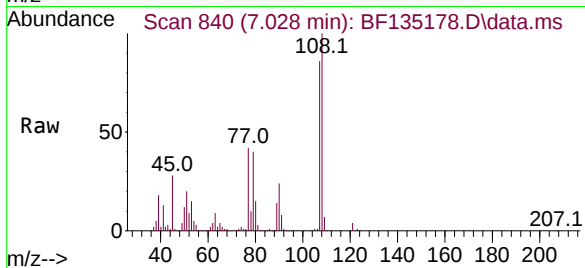
Tgt Ion: 45 Resp: 599574  
Ion Ratio Lower Upper  
45 100  
77 11.5 0.0 30.6  
79 9.6 0.0 28.3



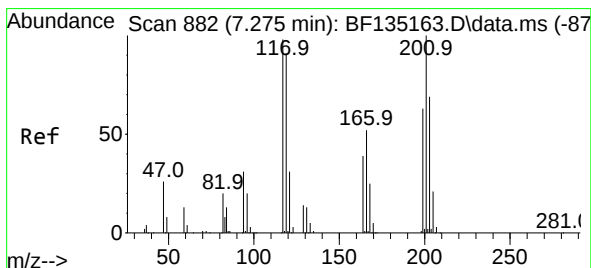
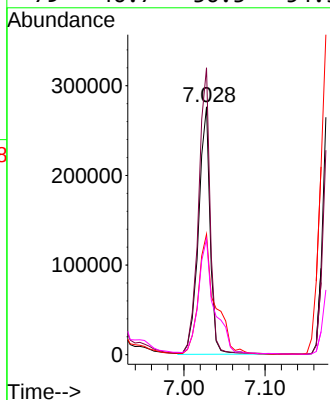
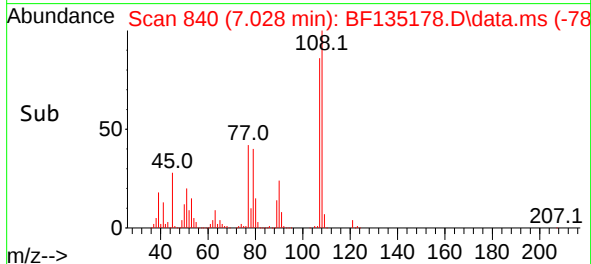


#17  
2-Methylphenol  
Concen: 43.209 ng  
RT: 7.028 min Scan# 841  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Instrument :  
BNA\_F  
ClientSampleId :

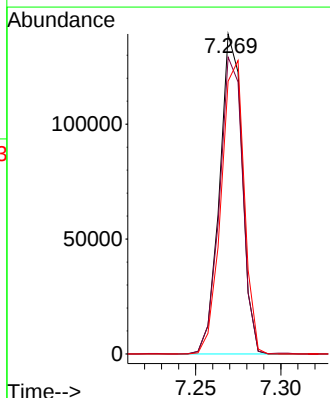
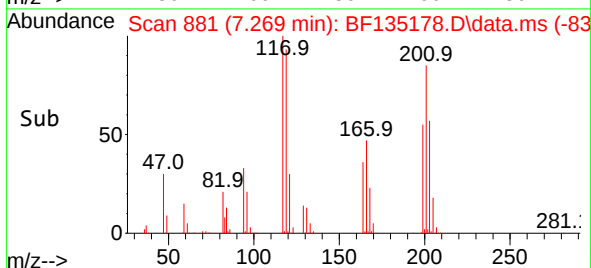
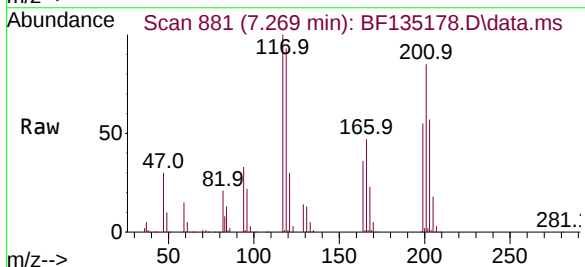


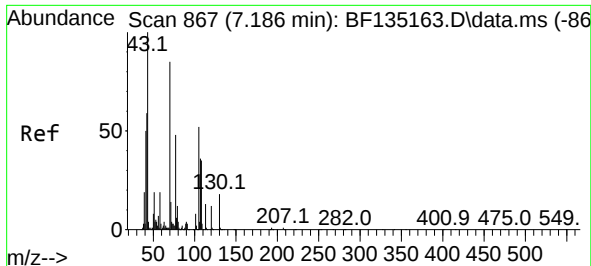
Tgt Ion:107 Resp: 276986  
Ion Ratio Lower Upper  
107 100  
108 115.8 92.0 138.0  
77 48.6 36.7 55.1  
79 46.7 36.3 54.5



#18  
Hexachloroethane  
Concen: 46.270 ng  
RT: 7.269 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:117 Resp: 128409  
Ion Ratio Lower Upper  
117 100  
119 92.7 74.7 112.1  
201 85.3 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 43.169 ng

RT: 7.187 min Scan# 8

Delta R.T. 0.000 min

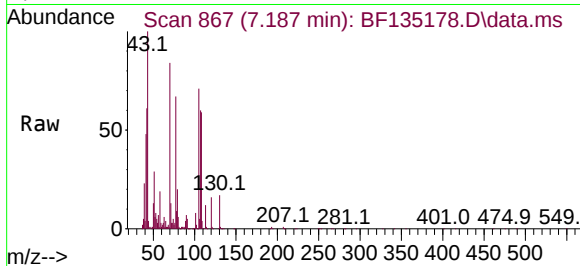
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

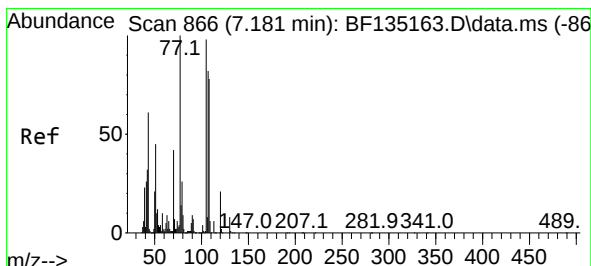
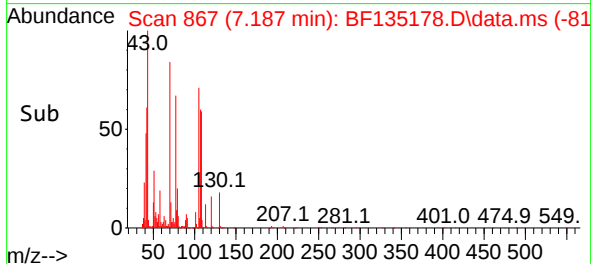
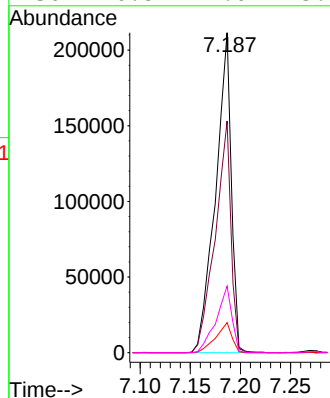
BNA\_F

ClientSampleId :



Tgt Ion: 70 Resp: 231361

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 72.4  | 55.4  | 83.0  |
| 101 | 9.4   | 7.7   | 11.5  |
| 130 | 20.8  | 17.0  | 25.6  |



#20

3+4-Methylphenols

Concen: 42.228 ng

RT: 7.181 min Scan# 866

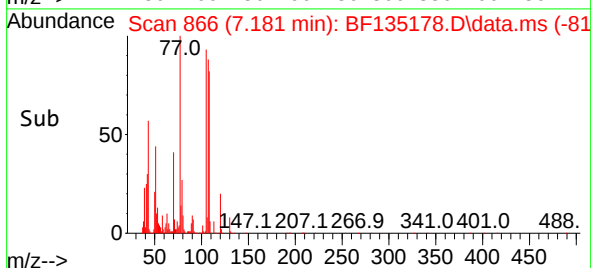
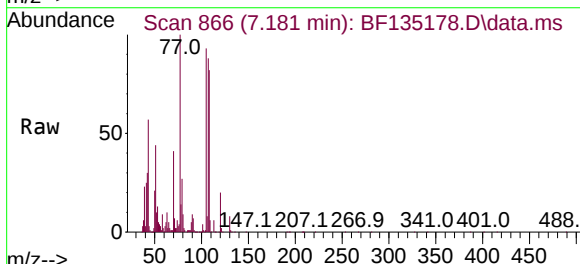
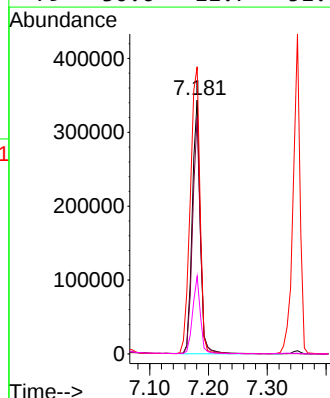
Delta R.T. 0.000 min

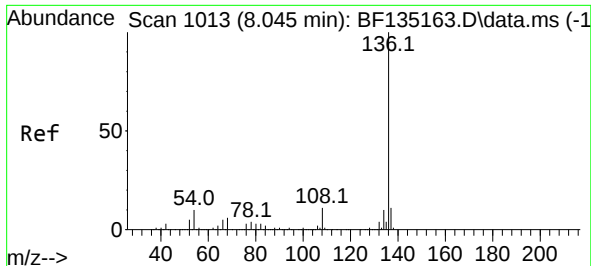
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Tgt Ion: 107 Resp: 325504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 93.3  | 74.7  | 114.7 |
| 77  | 113.1 | 102.0 | 142.0 |
| 79  | 30.6  | 11.7  | 51.7  |

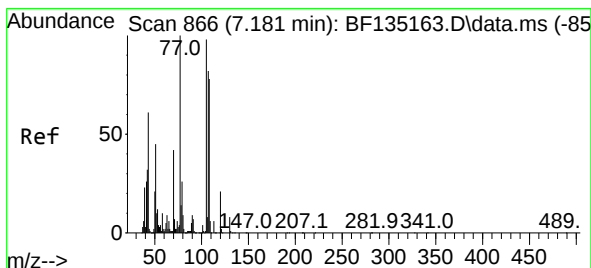
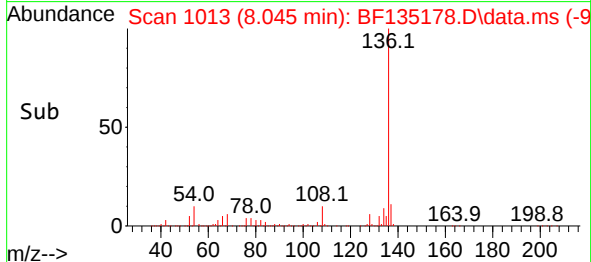
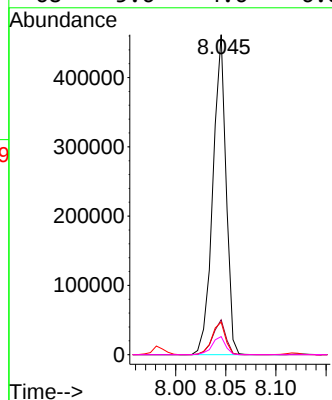
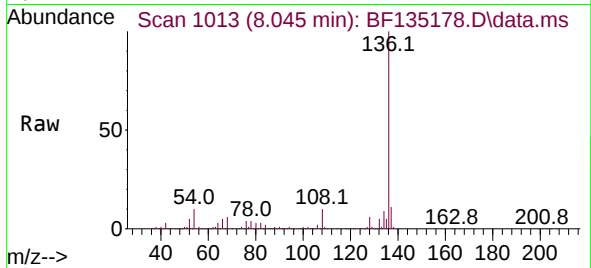




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.045 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

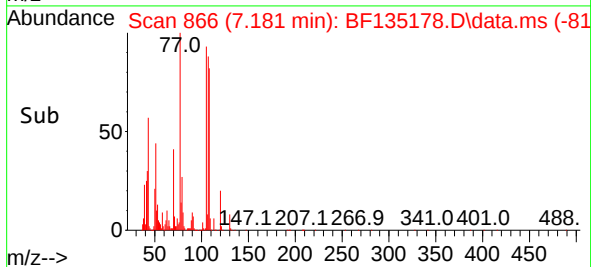
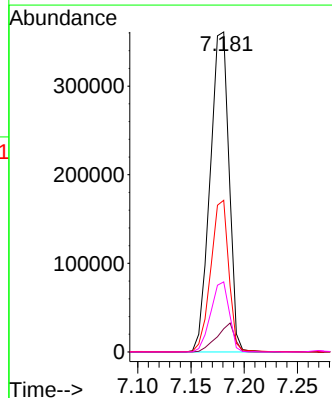
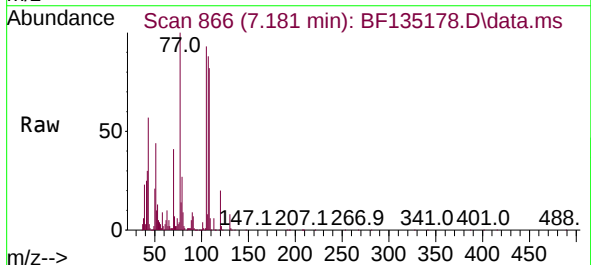
Instrument :  
BNA\_F  
ClientSampleId :

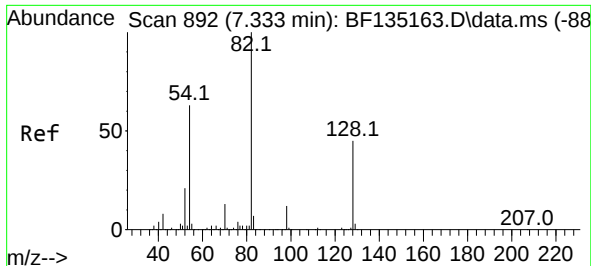
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 421060 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.8   | 13.2   |
| 54       | 10.2  | 7.7   | 11.5   |
| 68       | 5.6   | 4.6   | 6.8    |



#22  
Acetophenone  
Concen: 46.341 ng  
RT: 7.181 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 446103 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 7.2   | 5.8   | 8.6    |
| 51       | 47.4  | 37.0  | 55.4   |
| 120      | 21.9  | 17.0  | 25.6   |





#23

Nitrobenzene-d5

Concen: 91.397 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

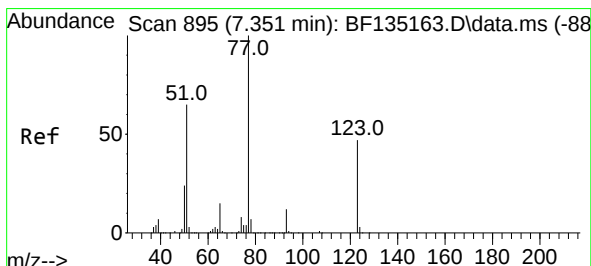
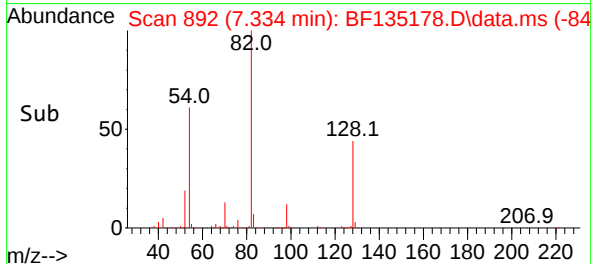
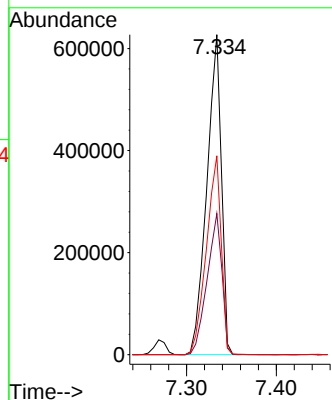
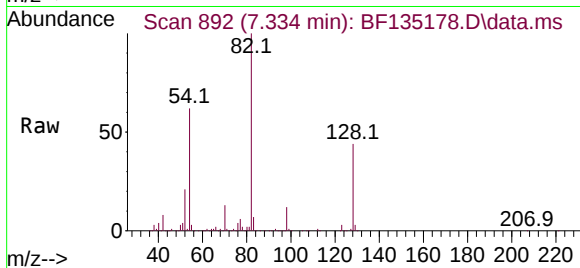
Instrument :

BNA\_F

ClientSampleId :

Tgt Ion: 82 Resp: 708336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.1  | 35.8  | 53.6  |
| 54  | 62.2  | 50.6  | 76.0  |



#24

Nitrobenzene

Concen: 46.125 ng

RT: 7.351 min Scan# 895

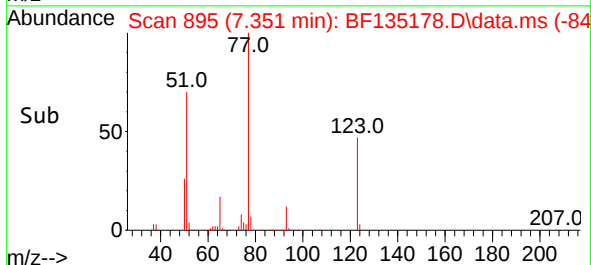
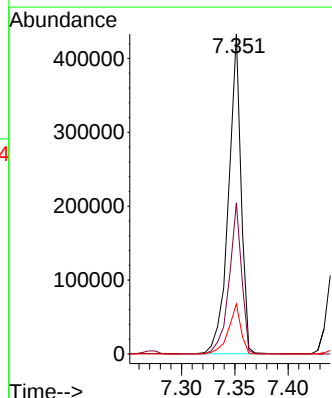
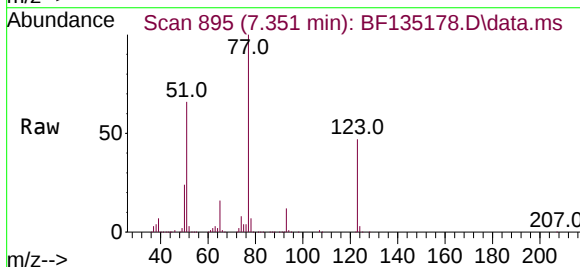
Delta R.T. 0.000 min

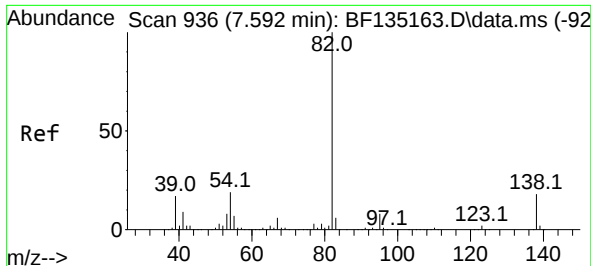
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Tgt Ion: 77 Resp: 353330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.3  | 37.6  | 56.4  |
| 65  | 15.6  | 12.2  | 18.4  |

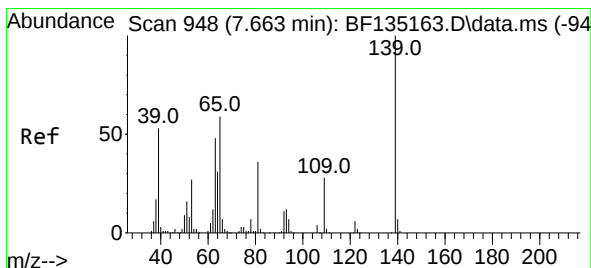
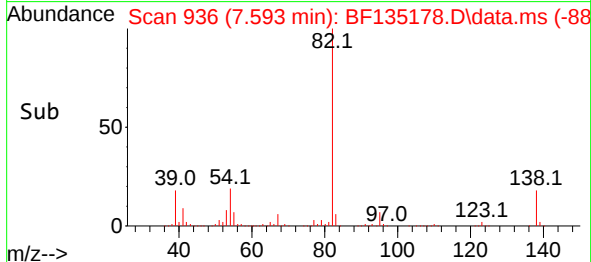
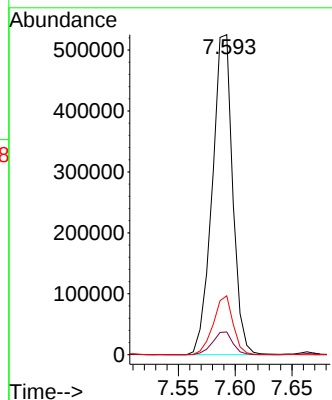
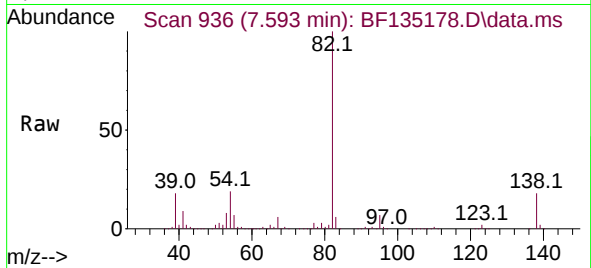




#25  
Isophorone  
Concen: 46.202 ng  
RT: 7.593 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

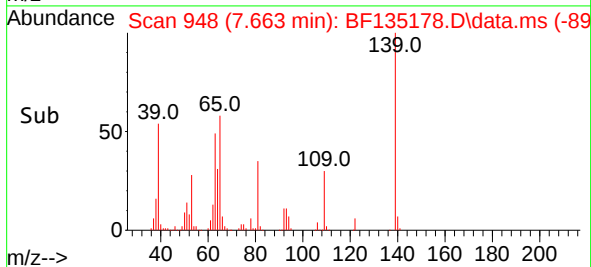
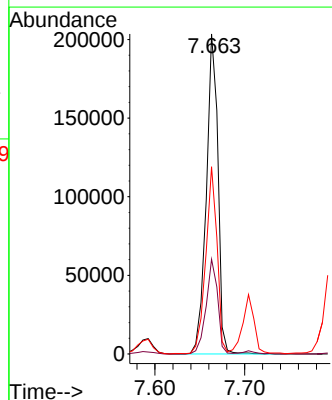
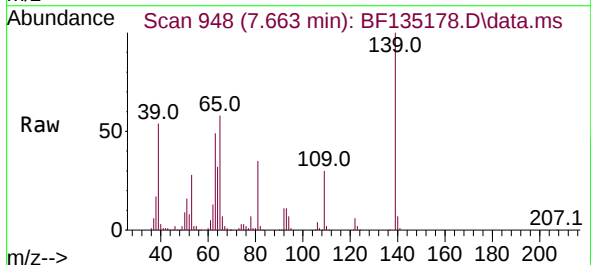
Instrument :  
BNA\_F  
ClientSampleId :

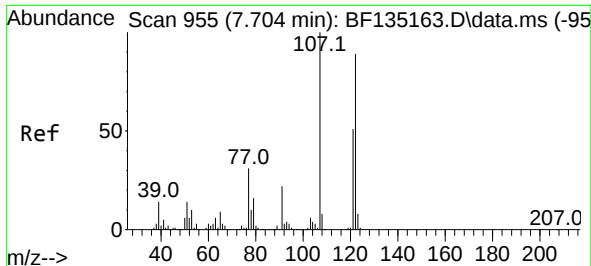
Tgt Ion: 82 Resp: 657520  
Ion Ratio Lower Upper  
82 100  
95 7.1 6.0 9.0  
138 18.4 14.5 21.7



#26  
2-Nitrophenol  
Concen: 49.852 ng  
RT: 7.663 min Scan# 948  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:139 Resp: 183282  
Ion Ratio Lower Upper  
139 100  
109 29.6 22.6 33.8  
65 58.5 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 49.283 ng

RT: 7.704 min Scan# 91

Delta R.T. 0.000 min

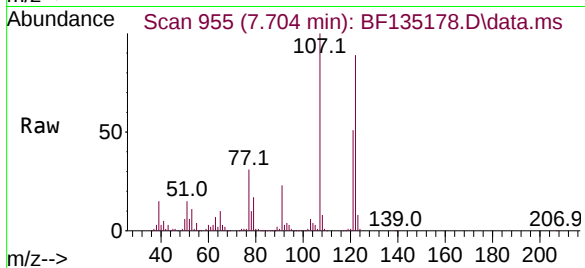
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :



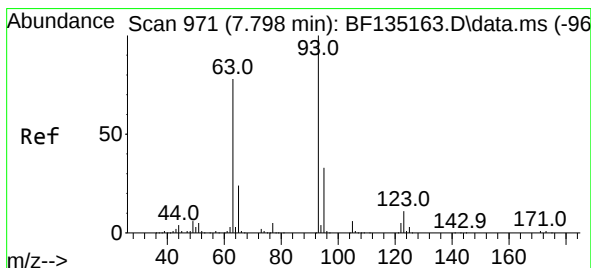
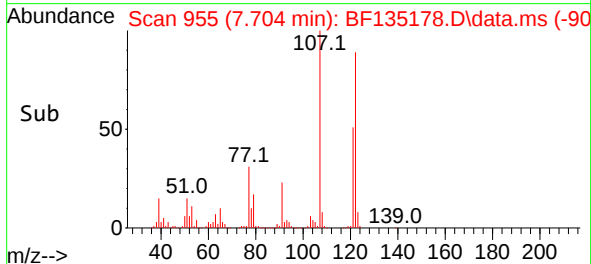
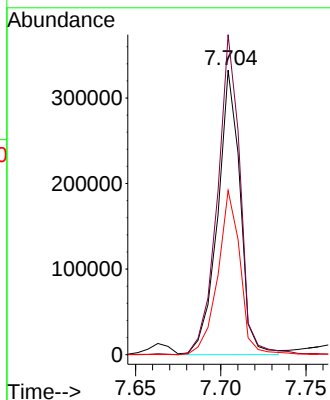
Tgt Ion:122 Resp: 304554

Ion Ratio Lower Upper

122 100

107 112.5 90.2 135.4

121 57.7 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 47.339 ng

RT: 7.798 min Scan# 971

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

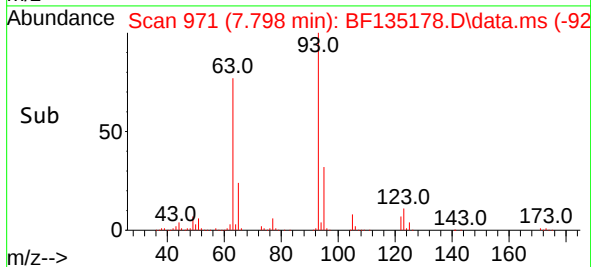
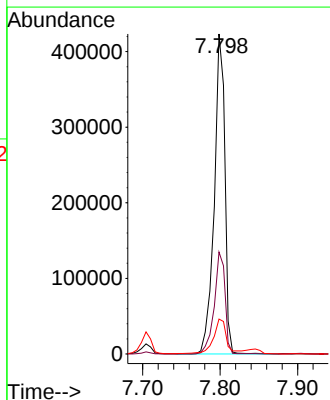
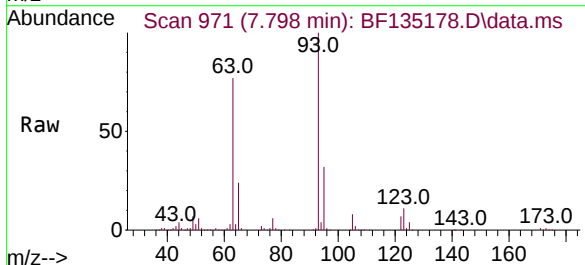
Tgt Ion: 93 Resp: 403228

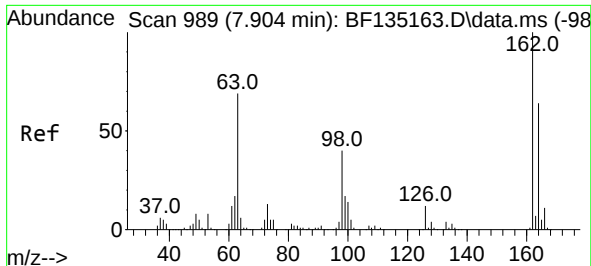
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 10.9 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.465 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

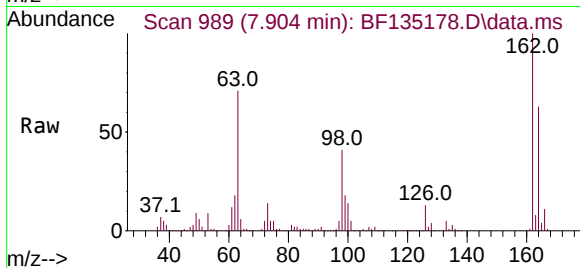
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :



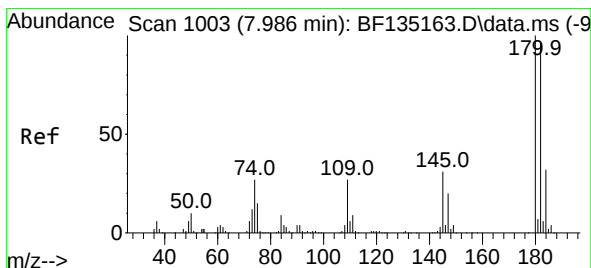
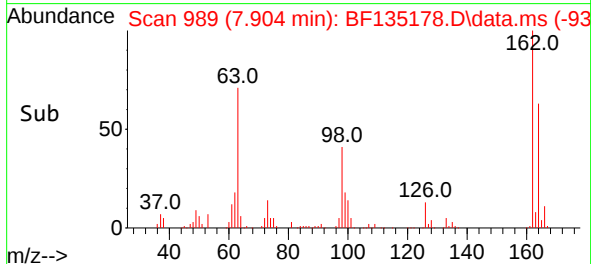
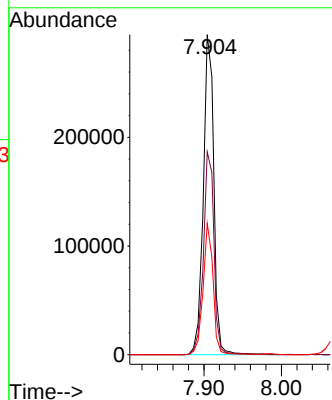
Tgt Ion:162 Resp: 277520

Ion Ratio Lower Upper

162 100

164 63.4 44.1 84.1

98 41.0 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 48.260 ng

RT: 7.987 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

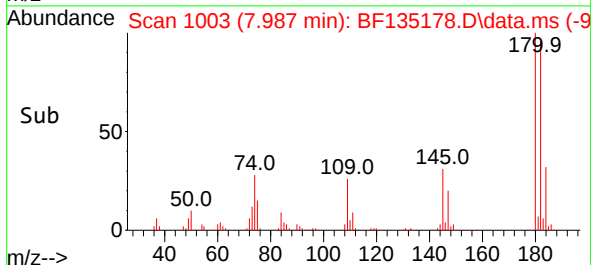
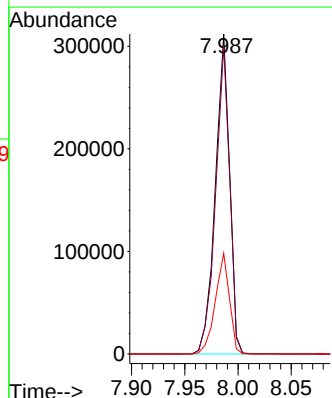
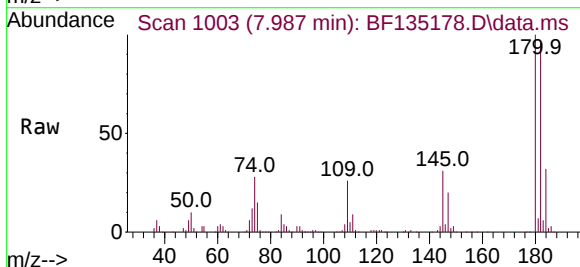
Tgt Ion:180 Resp: 288850

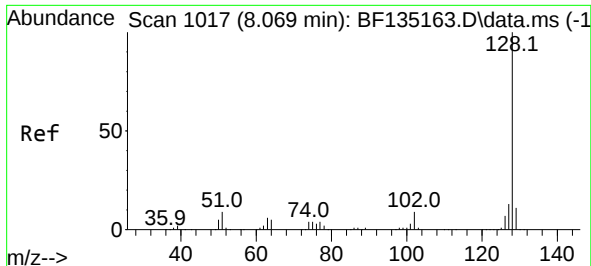
Ion Ratio Lower Upper

180 100

182 96.3 76.9 115.3

145 31.5 24.5 36.7

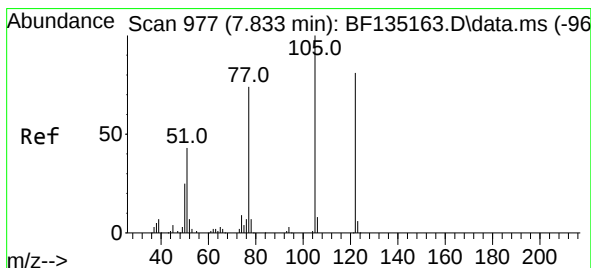
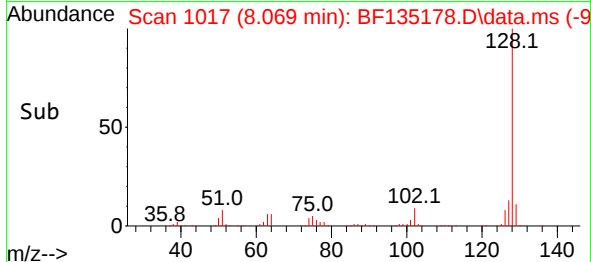
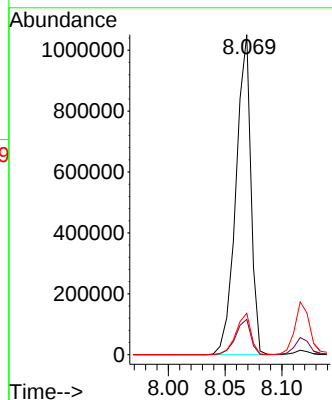
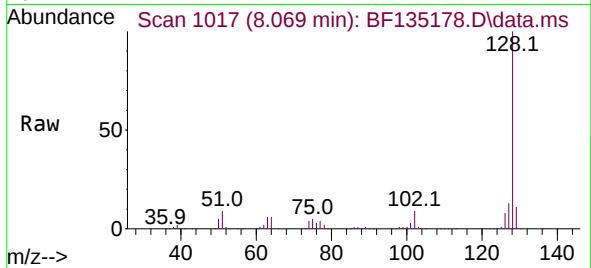




#31  
Naphthalene  
Concen: 46.863 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

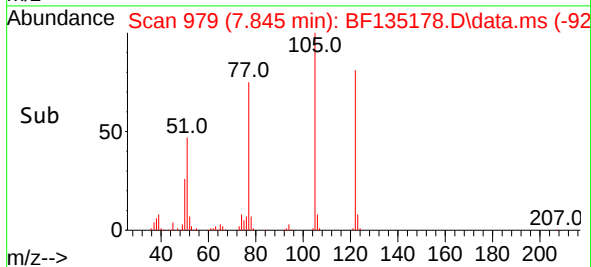
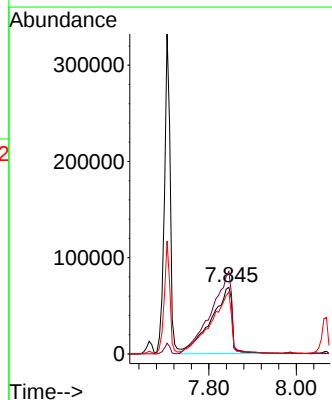
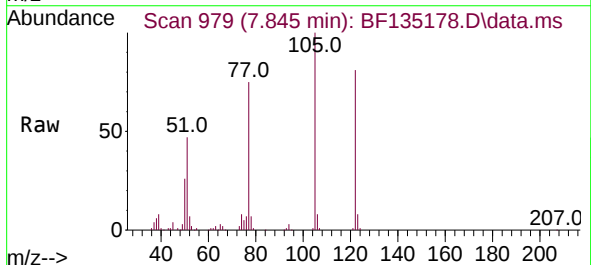
Instrument :  
BNA\_F  
ClientSampleId :

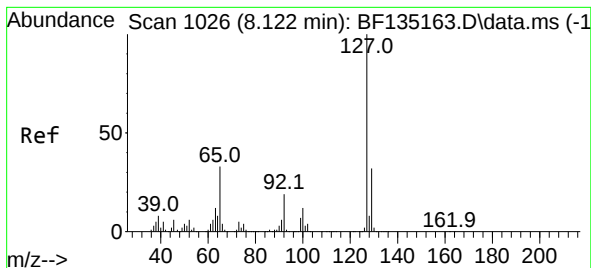
Tgt Ion:128 Resp: 958720  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.7 13.1  
127 13.0 10.7 16.1



#32  
Benzoic acid  
Concen: 50.066 ng  
RT: 7.845 min Scan# 979  
Delta R.T. 0.012 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:122 Resp: 232977  
Ion Ratio Lower Upper  
122 100  
105 123.4 99.9 139.9  
77 93.0 70.0 110.0





#33

4-Chloroaniline

Concen: 18.593 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

Tgt Ion:127 Resp: 166890

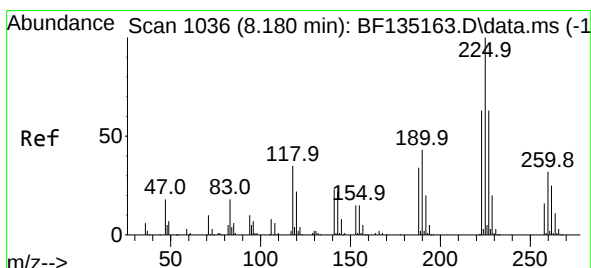
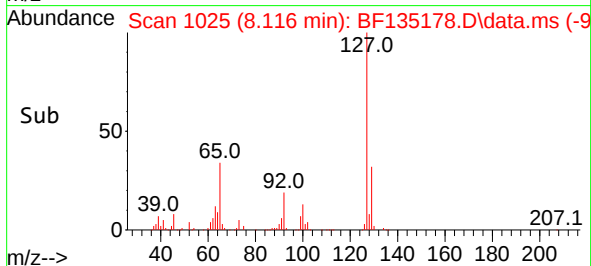
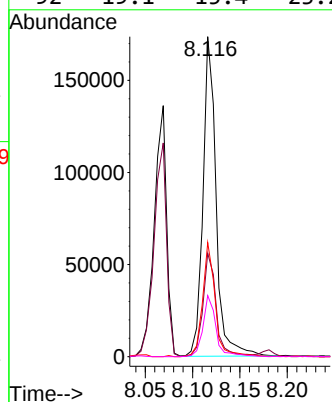
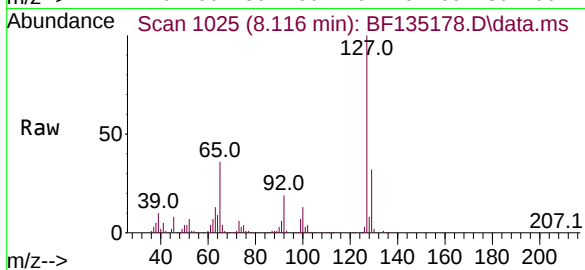
Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.8

65 35.6 26.6 39.8

92 19.1 15.4 23.2



#34

Hexachlorobutadiene

Concen: 46.985 ng

RT: 8.181 min Scan# 1036

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

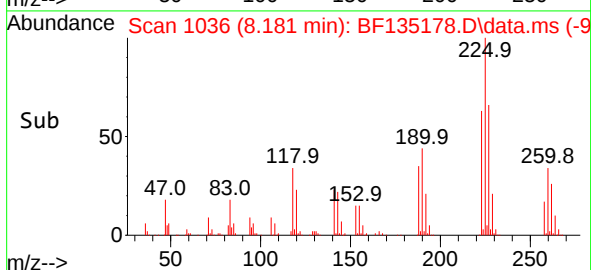
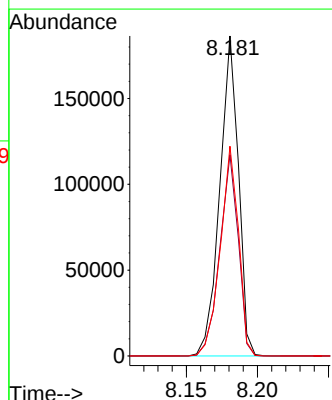
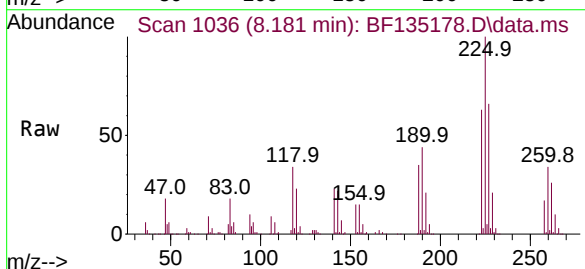
Tgt Ion:225 Resp: 169569

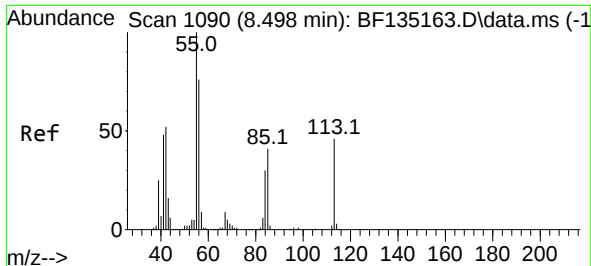
Ion Ratio Lower Upper

225 100

223 62.8 50.6 75.8

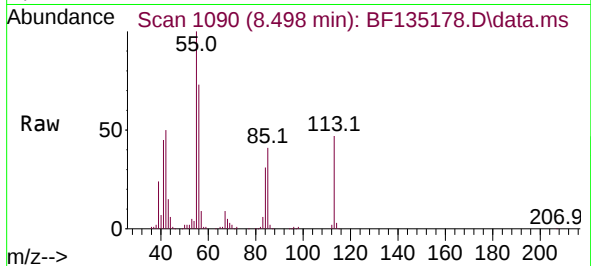
227 65.6 50.8 76.2



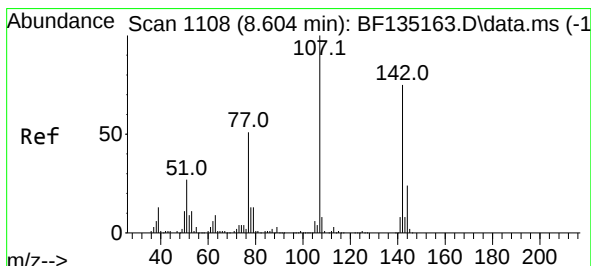
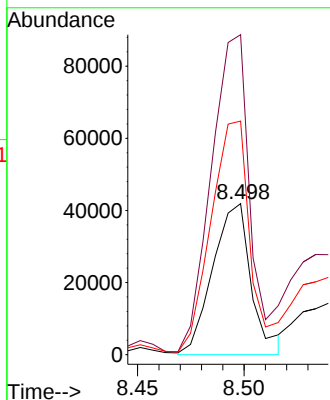
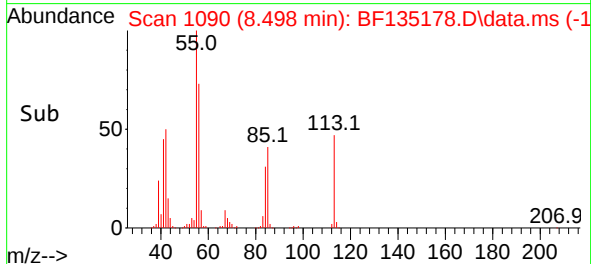


#35  
 Caprolactam  
 Concen: 27.477 ng  
 RT: 8.498 min Scan# 1109  
 Delta R.T. 0.000 min  
 Lab File: BF135178.D  
 Acq: 12 Sep 2023 13:09

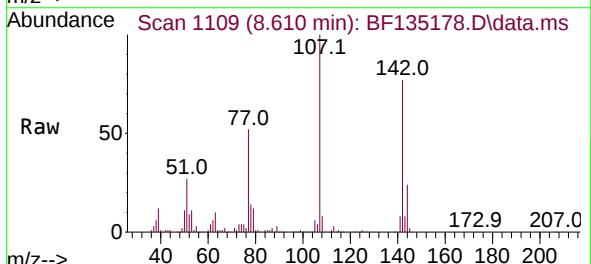
Instrument :  
 BNA\_F  
 ClientSampleId :



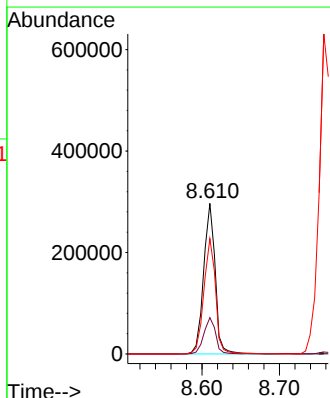
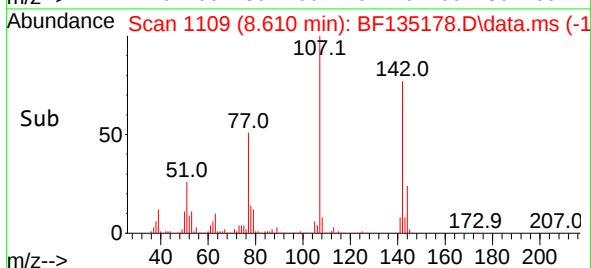
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 52806 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 211.9 | 199.3 | 239.3 |
| 56       | 154.7 | 146.3 | 186.3 |

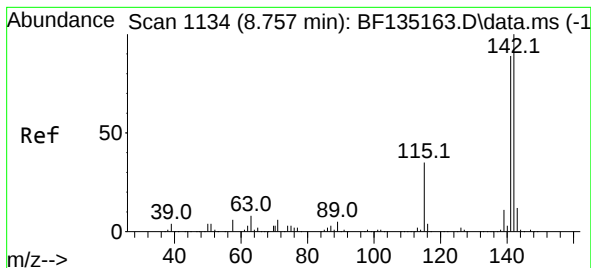


#36  
 4-Chloro-3-methylphenol  
 Concen: 48.373 ng  
 RT: 8.610 min Scan# 1109  
 Delta R.T. 0.006 min  
 Lab File: BF135178.D  
 Acq: 12 Sep 2023 13:09



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 307860 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 24.1  | 19.0  | 28.4   |
| 142      | 76.6  | 60.2  | 90.2   |





#37

2-Methylnaphthalene

Concen: 44.573 ng

RT: 8.757 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

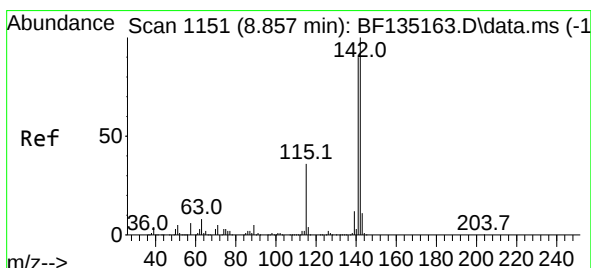
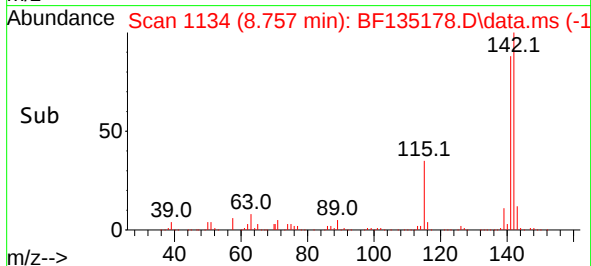
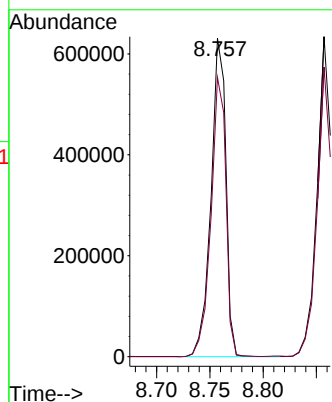
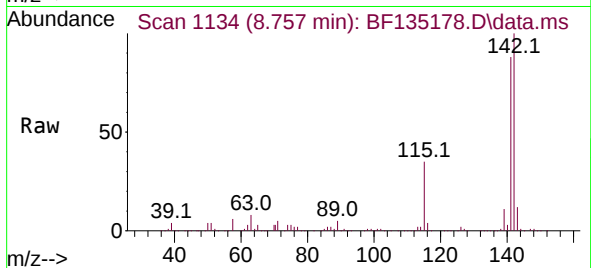
ClientSampleId :

Tgt Ion:142 Resp: 612960

Ion Ratio Lower Upper

142 100

141 87.7 71.0 106.6



#38

1-Methylnaphthalene

Concen: 44.580 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF135178.D

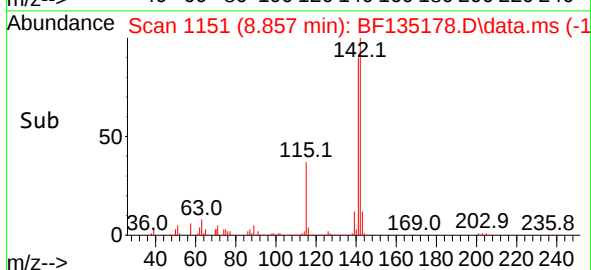
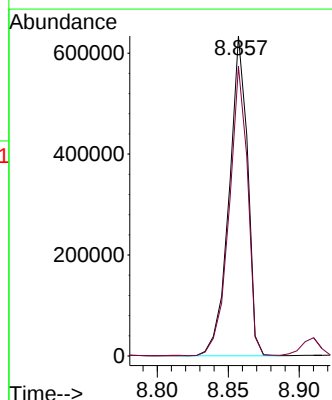
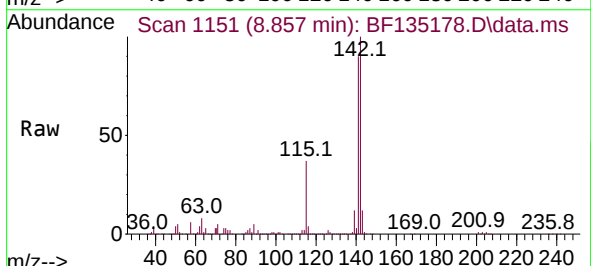
Acq: 12 Sep 2023 13:09

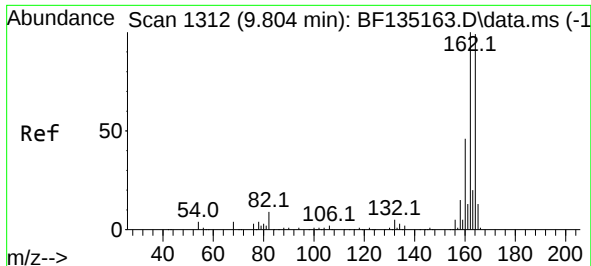
Tgt Ion:142 Resp: 573964

Ion Ratio Lower Upper

142 100

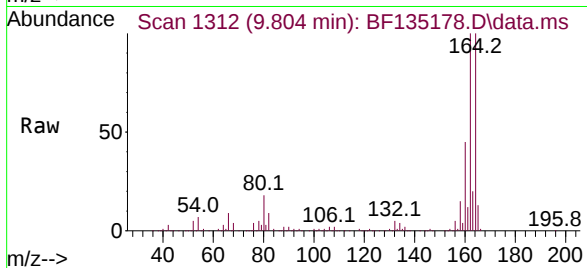
141 90.5 72.4 108.6



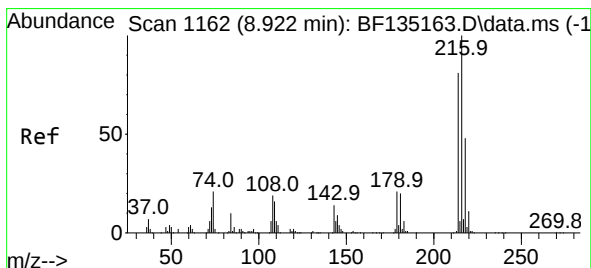
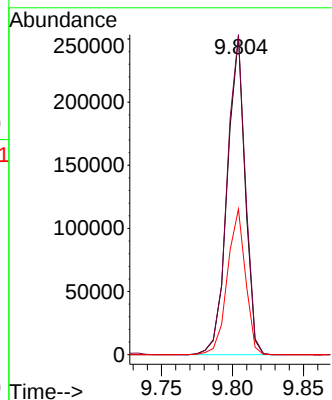
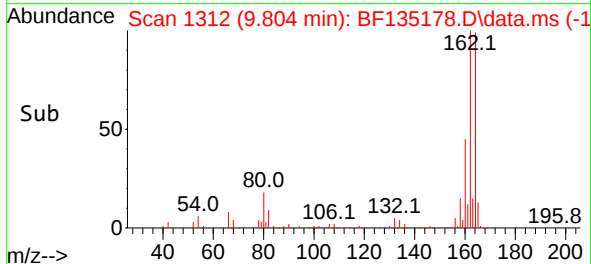


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.804 min Scan# 1163  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

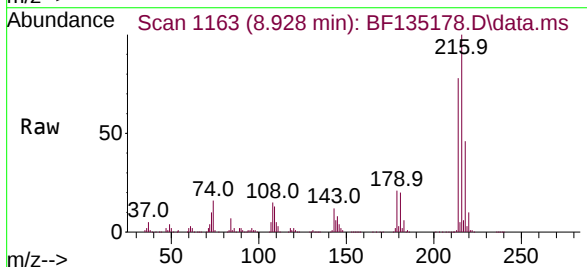
Instrument :  
BNA\_F  
ClientSampleId :



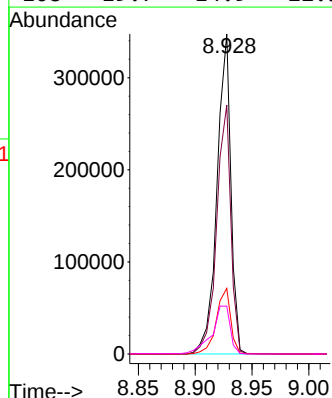
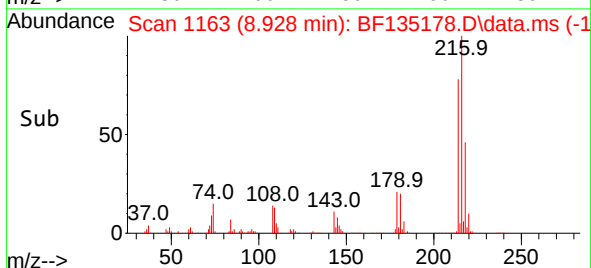
Tgt Ion:164 Resp: 220131  
Ion Ratio Lower Upper  
164 100  
162 100.5 81.0 121.4  
160 45.7 37.0 55.4

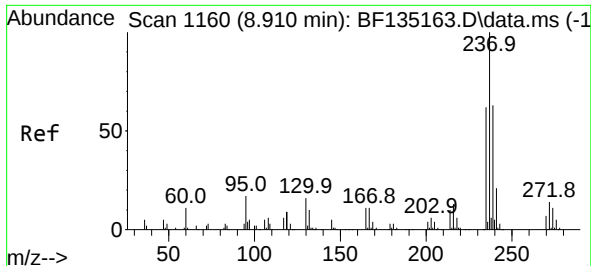


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.367 ng  
RT: 8.928 min Scan# 1163  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09



Tgt Ion:216 Resp: 295700  
Ion Ratio Lower Upper  
216 100  
214 79.4 63.7 95.5  
179 21.1 16.7 25.1  
108 19.7 14.9 22.3

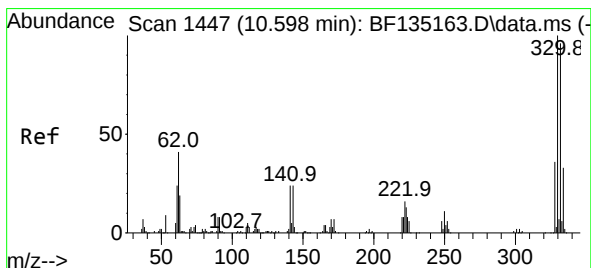
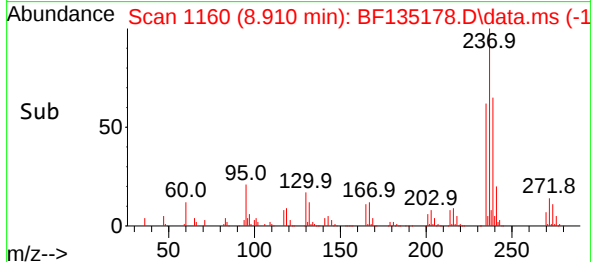
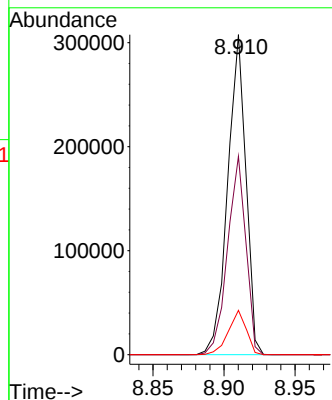
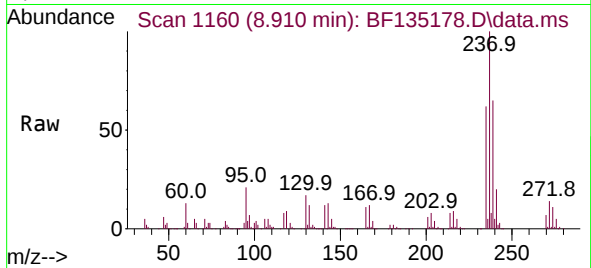




#41  
Hexachlorocyclopentadiene  
Concen: 95.955 ng  
RT: 8.910 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

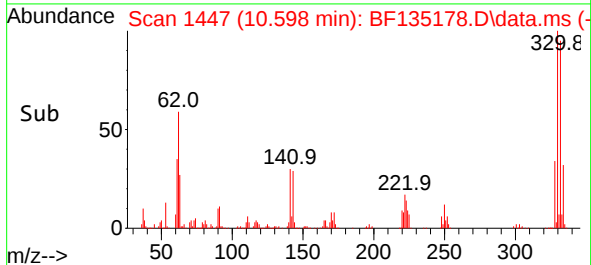
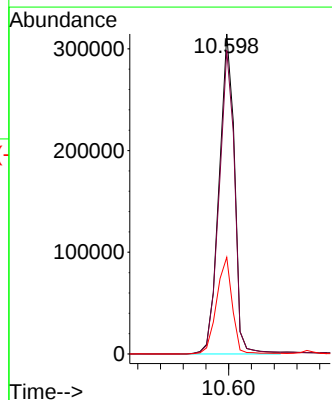
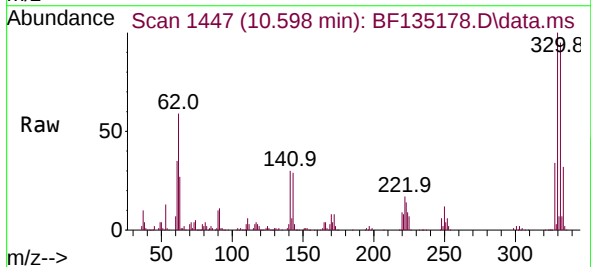
Instrument :  
BNA\_F  
ClientSampleId :

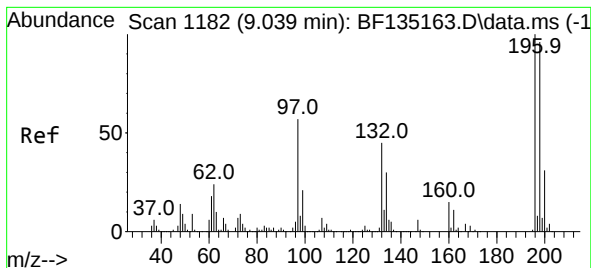
Tgt Ion: 237 Resp: 274197  
Ion Ratio Lower Upper  
237 100  
235 62.0 41.8 81.8  
272 13.9 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 135.802 ng  
RT: 10.598 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion: 330 Resp: 297076  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 30.7 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 47.180 ng

RT: 9.039 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

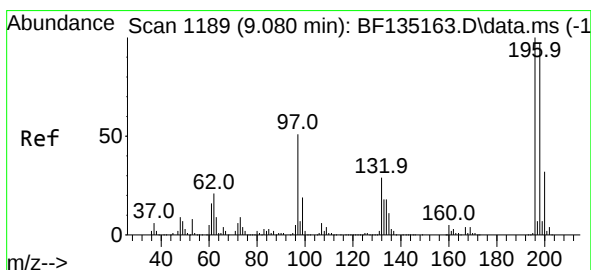
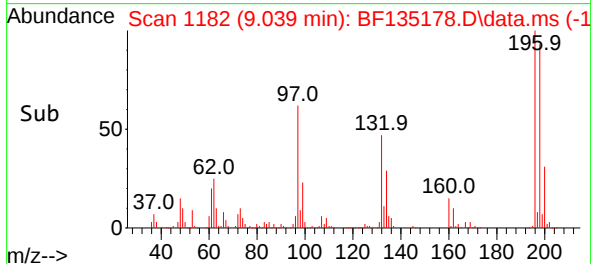
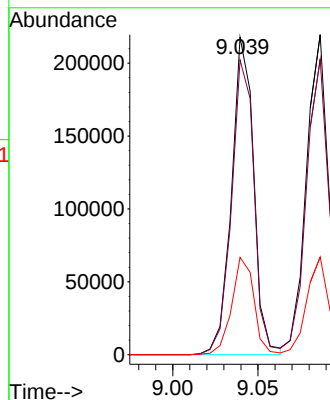
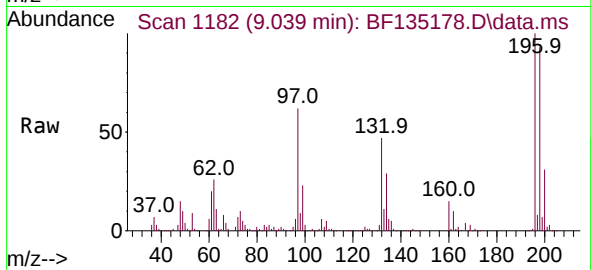
Tgt Ion:196 Resp: 197002

Ion Ratio Lower Upper

196 100

198 92.9 77.0 115.6

200 30.7 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 45.376 ng

RT: 9.087 min Scan# 1190

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Tgt Ion:196 Resp: 218193

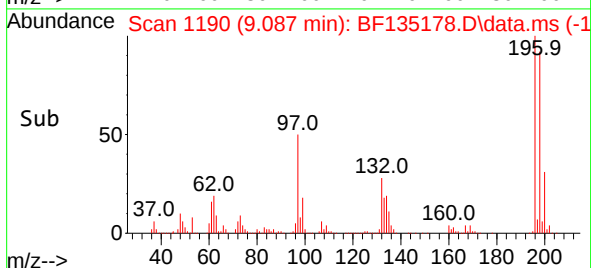
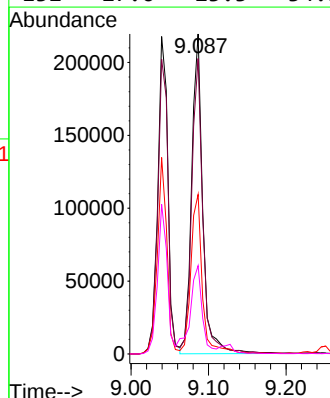
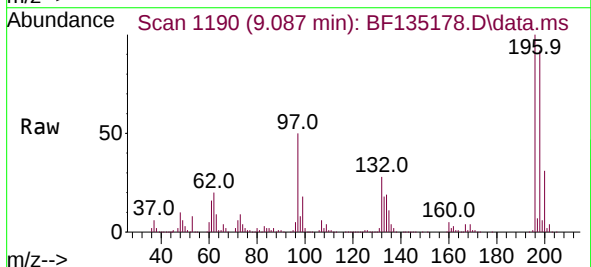
Ion Ratio Lower Upper

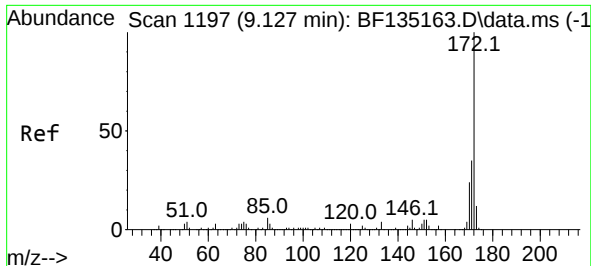
196 100

198 92.4 77.5 116.3

97 49.9 40.5 60.7

132 27.6 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 86.149 ng

RT: 9.128 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

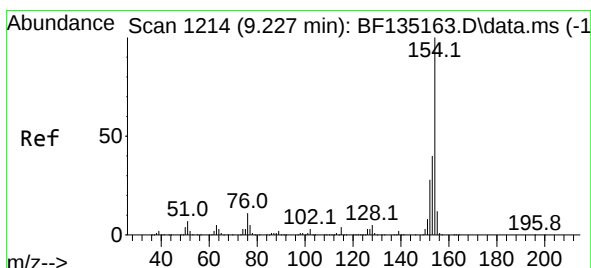
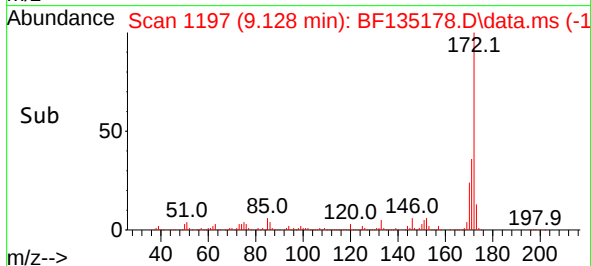
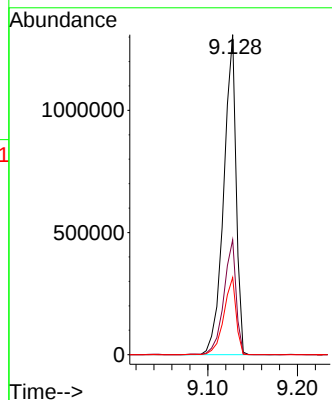
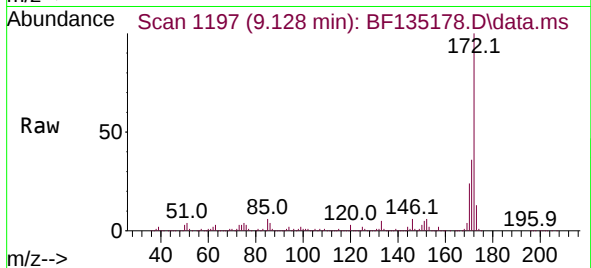
Tgt Ion:172 Resp: 1256958

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 24.1 19.0 28.4



#46

1,1'-Biphenyl

Concen: 45.373 ng

RT: 9.228 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

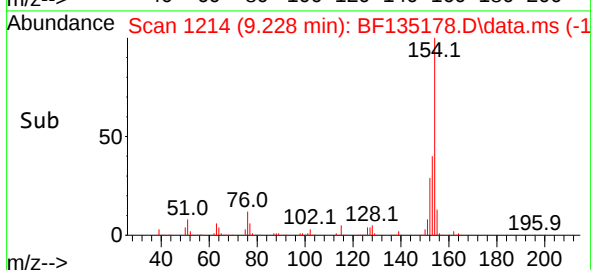
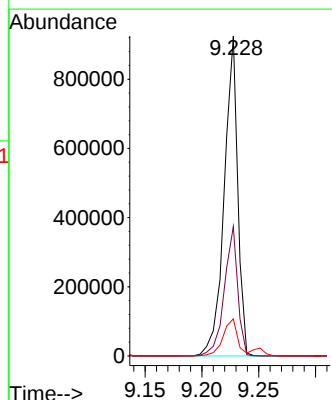
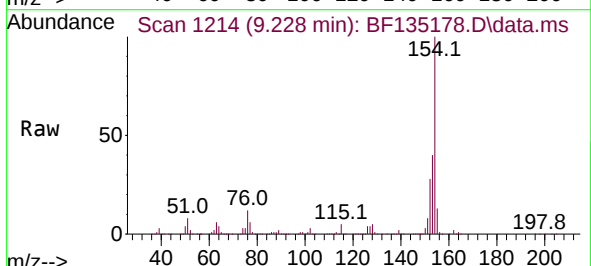
Tgt Ion:154 Resp: 767563

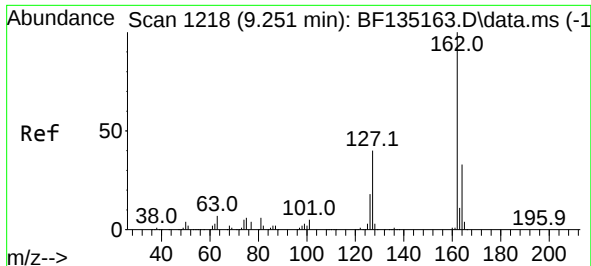
Ion Ratio Lower Upper

154 100

153 40.4 19.6 59.6

76 11.6 0.0 31.0

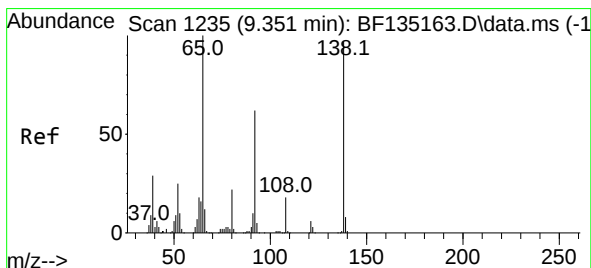
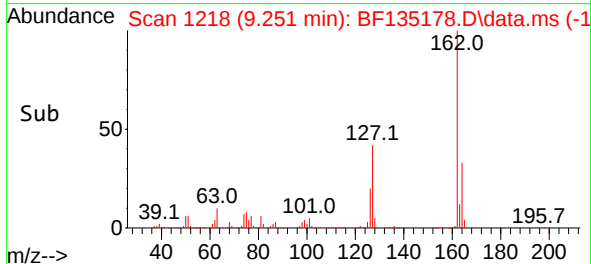
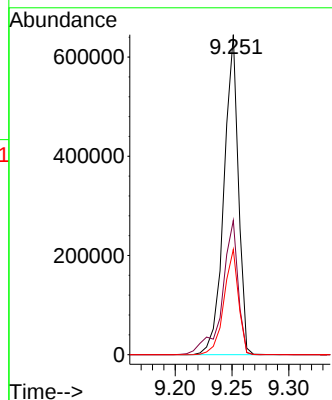
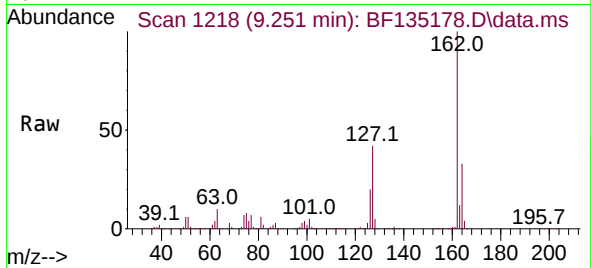




#47  
2-Chloronaphthalene  
Concen: 46.633 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

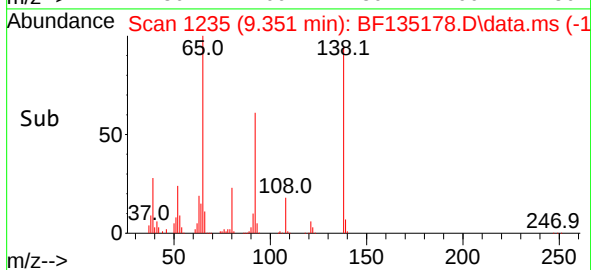
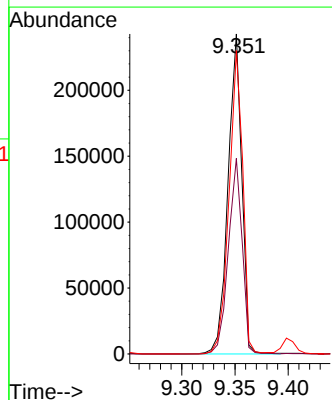
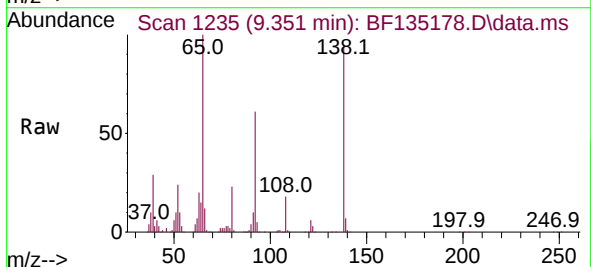
Instrument :  
BNA\_F  
ClientSampleId :

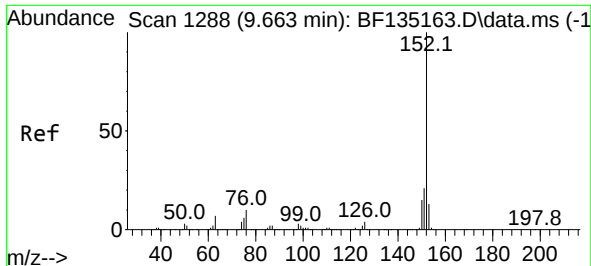
Tgt Ion:162 Resp: 572372  
Ion Ratio Lower Upper  
162 100  
127 41.9 32.6 48.8  
164 32.9 26.2 39.2



#48  
2-Nitroaniline  
Concen: 45.588 ng  
RT: 9.351 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion: 65 Resp: 217382  
Ion Ratio Lower Upper  
65 100  
92 61.1 49.4 74.0  
138 94.8 77.4 116.0

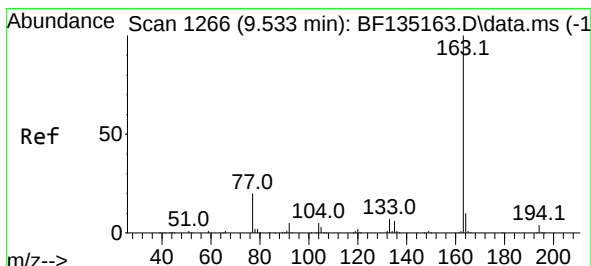
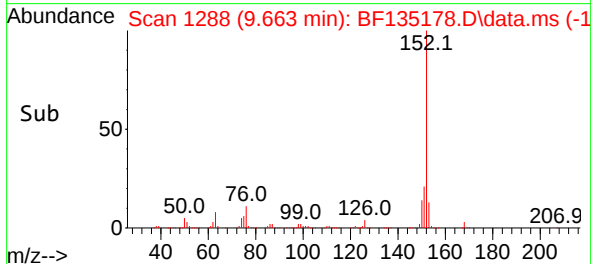
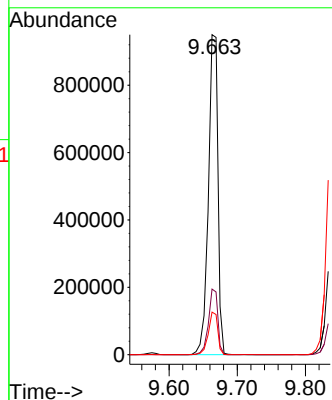
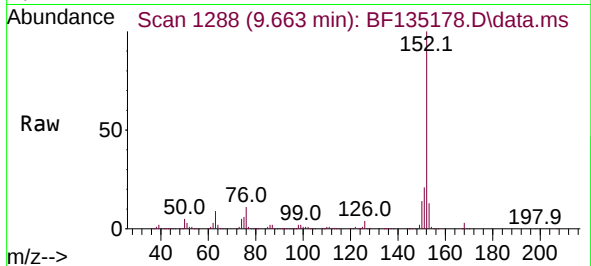




#49  
Acenaphthylene  
Concen: 45.418 ng  
RT: 9.663 min Scan# 1288  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

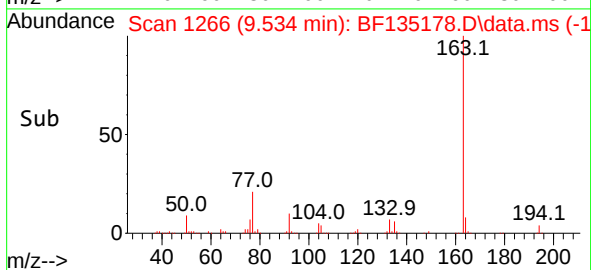
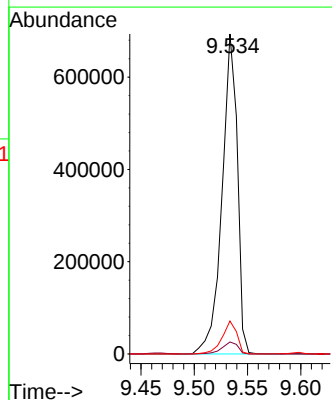
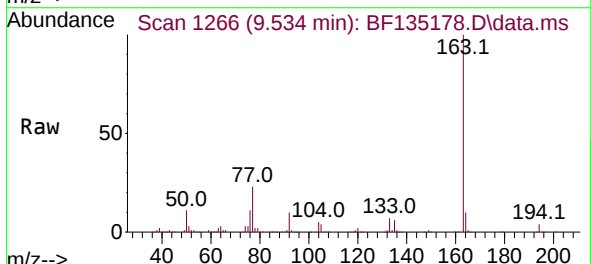
Instrument :  
BNA\_F  
ClientSampleId :

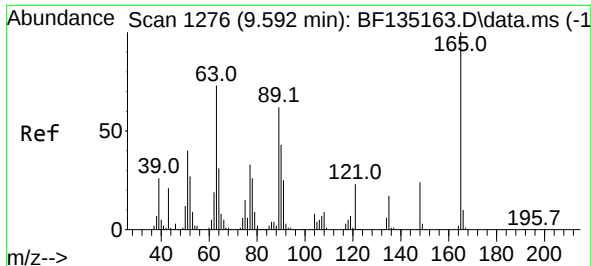
Tgt Ion:152 Resp: 926459  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.4 24.6  
153 13.3 10.4 15.6



#50  
Dimethylphthalate  
Concen: 46.333 ng  
RT: 9.534 min Scan# 1266  
Delta R.T. 0.001 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:163 Resp: 689576  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 10.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 46.646 ng

RT: 9.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

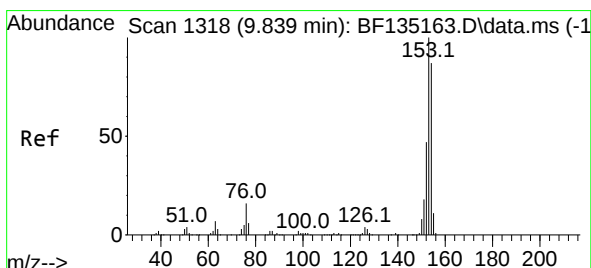
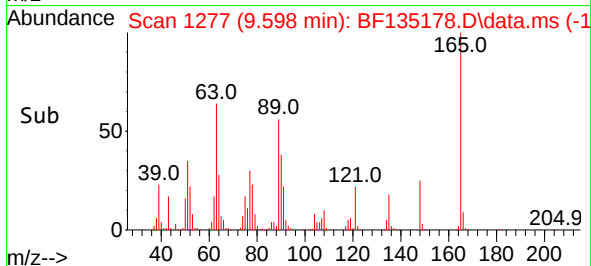
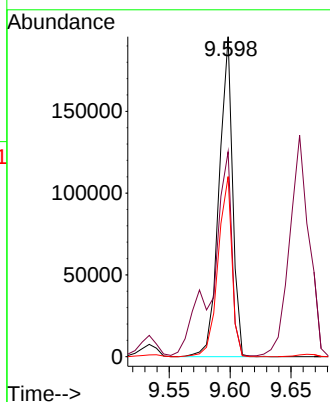
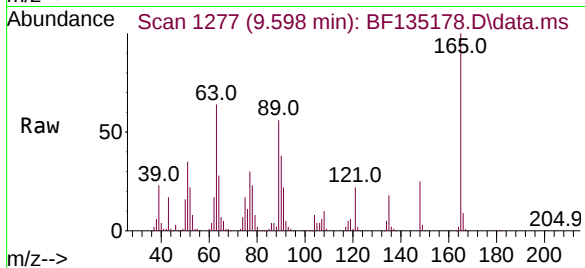
Tgt Ion:165 Resp: 152084

Ion Ratio Lower Upper

165 100

63 64.0 59.4 89.2

89 56.3 49.8 74.8



#52

Acenaphthene

Concen: 45.173 ng

RT: 9.839 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

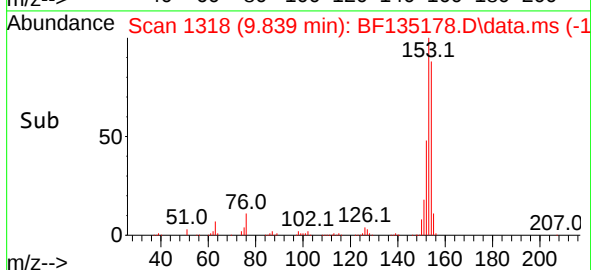
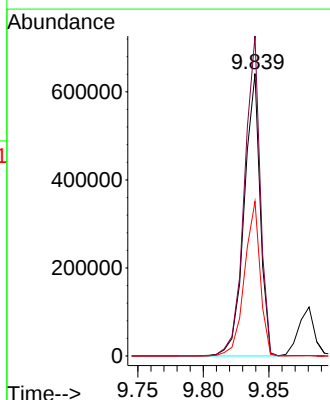
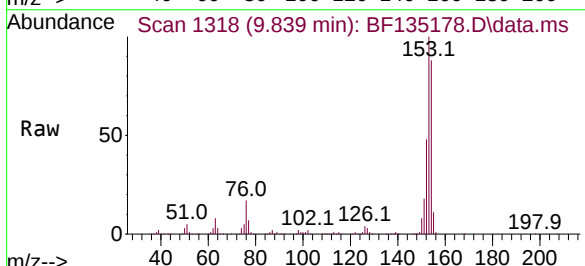
Tgt Ion:154 Resp: 544357

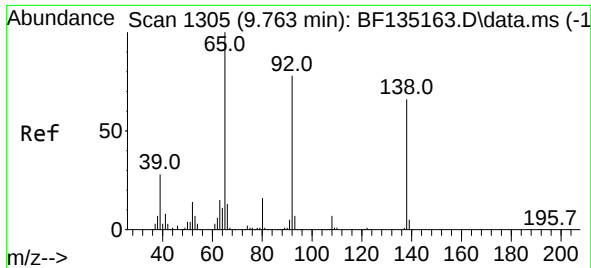
Ion Ratio Lower Upper

154 100

153 113.3 92.1 138.1

152 54.7 43.1 64.7

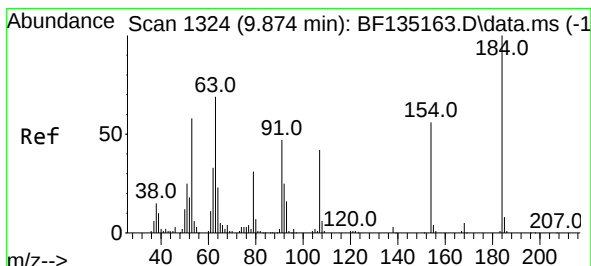
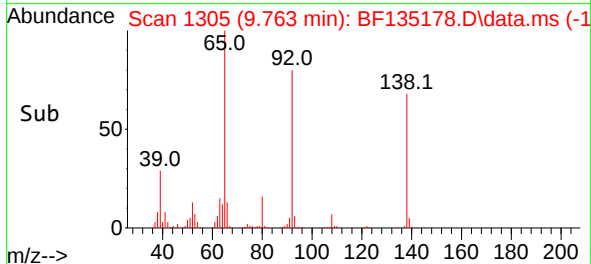
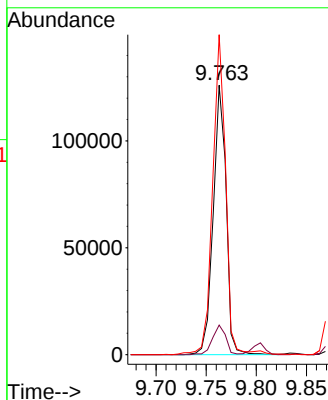
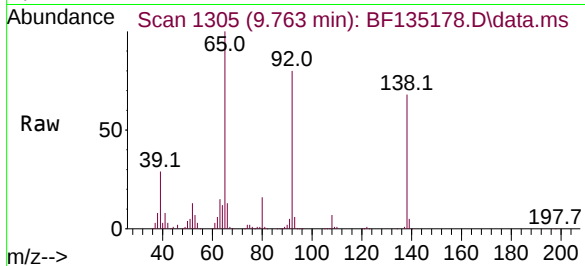




#53  
3-Nitroaniline  
Concen: 29.444 ng  
RT: 9.763 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

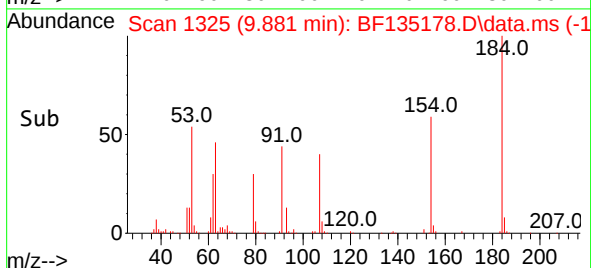
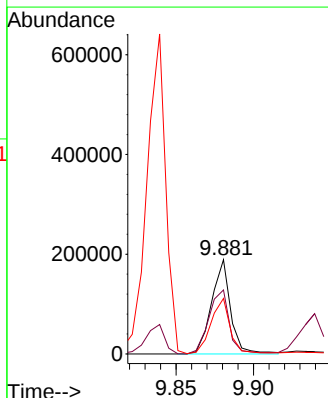
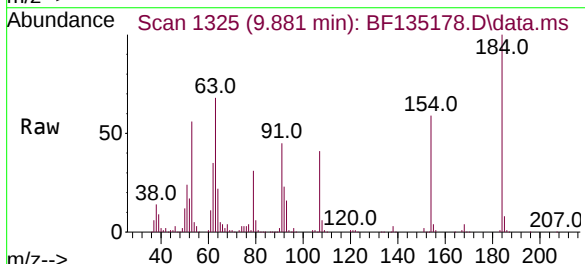
Instrument :  
BNA\_F  
ClientSampleId :

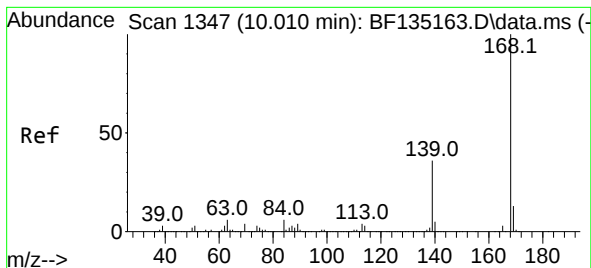
Tgt Ion:138 Resp: 112685  
Ion Ratio Lower Upper  
138 100  
108 11.0 8.5 12.7  
92 118.7 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 86.652 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. 0.007 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:184 Resp: 161427  
Ion Ratio Lower Upper  
184 100  
63 67.9 55.1 82.7  
154 58.9 48.4 72.6





#55

Dibenzenofuran

Concen: 45.104 ng

RT: 10.010 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

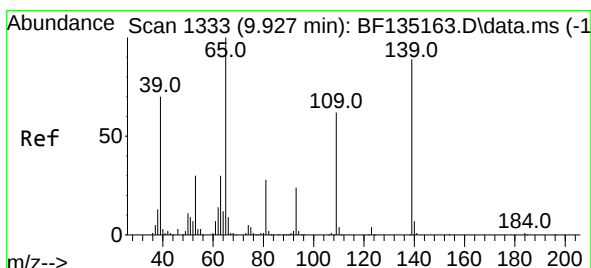
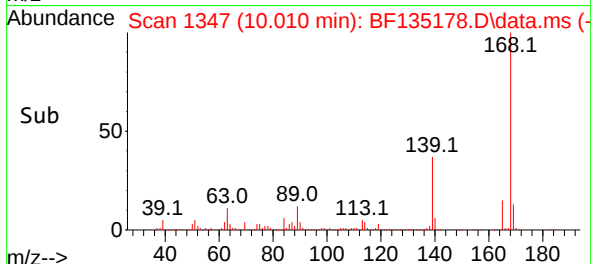
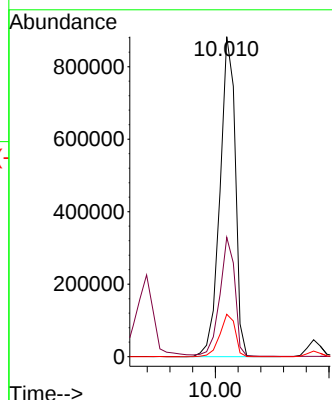
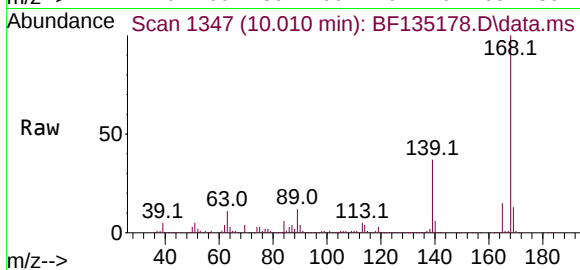
Tgt Ion:168 Resp: 829410

Ion Ratio Lower Upper

168 100

139 37.3 29.0 43.6

169 13.3 10.4 15.6



#56

4-Nitrophenol

Concen: 98.074 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

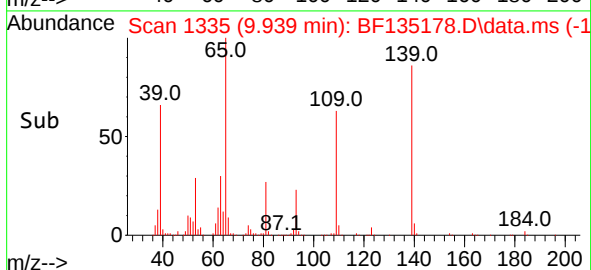
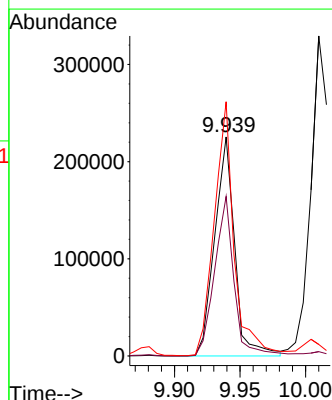
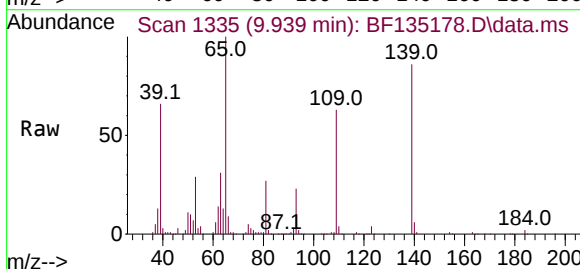
Tgt Ion:139 Resp: 238551

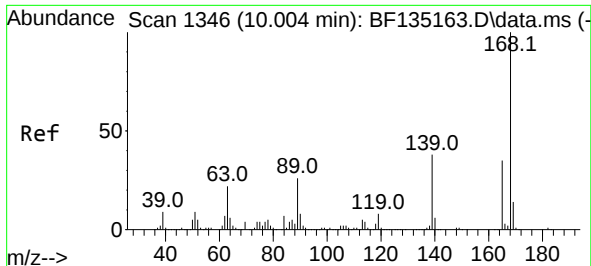
Ion Ratio Lower Upper

139 100

109 72.8 49.8 89.8

65 116.1 92.7 132.7

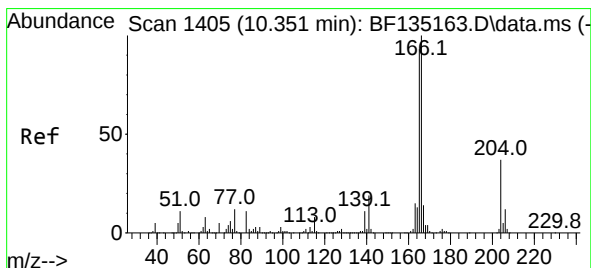
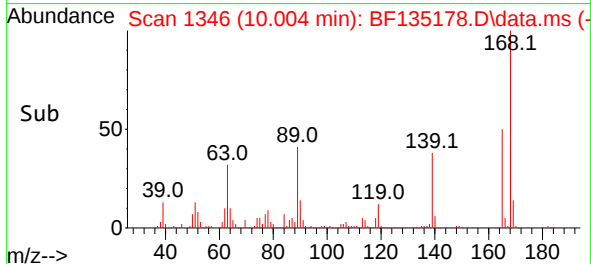
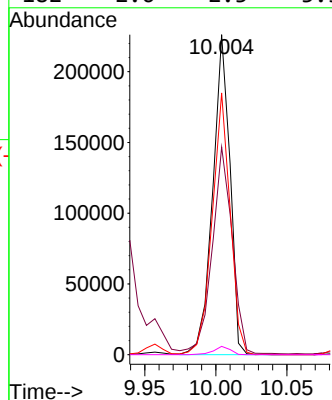
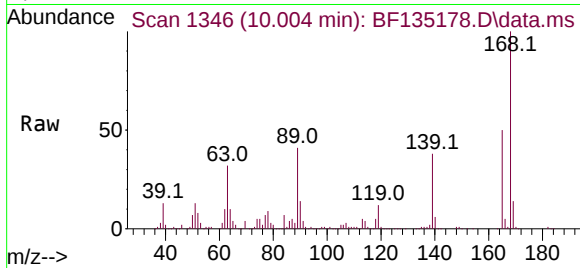




#57  
2,4-Dinitrotoluene  
Concen: 46.567 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

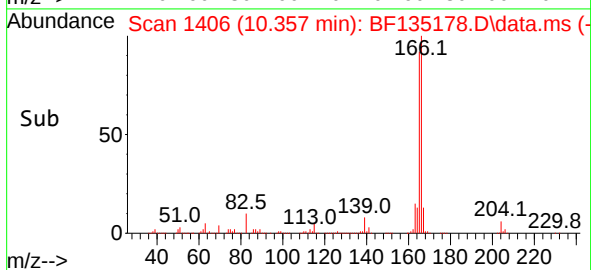
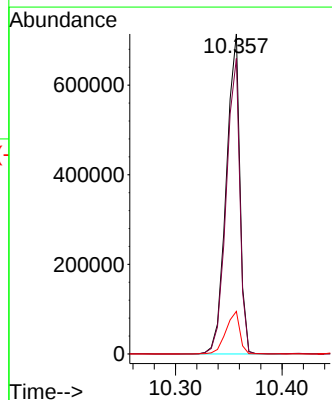
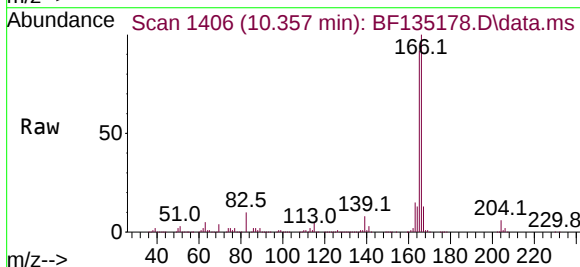
Instrument :  
BNA\_F  
ClientSampleId :

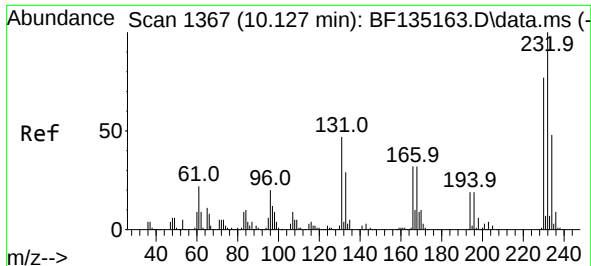
Tgt Ion:165 Resp: 190072  
Ion Ratio Lower Upper  
165 100  
63 64.9 50.1 75.1  
89 81.8 59.3 88.9  
182 2.6 2.3 3.5



#58  
Fluorene  
Concen: 44.788 ng  
RT: 10.357 min Scan# 1406  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:166 Resp: 633145  
Ion Ratio Lower Upper  
166 100  
165 92.3 74.3 111.5  
167 13.3 10.9 16.3

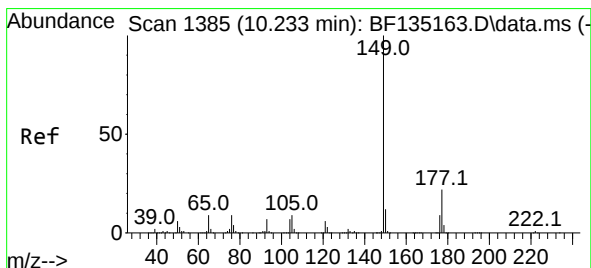
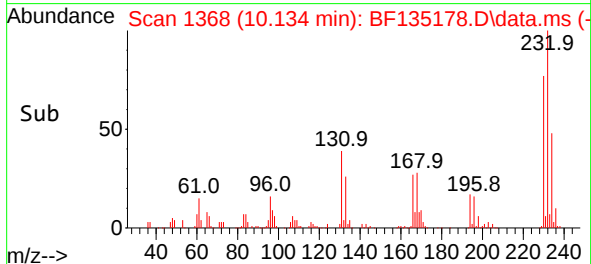
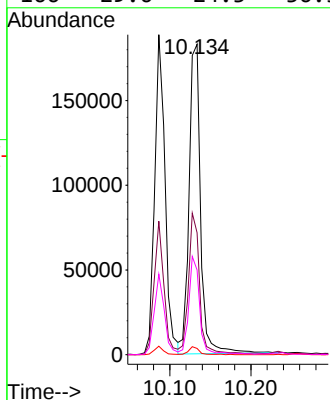
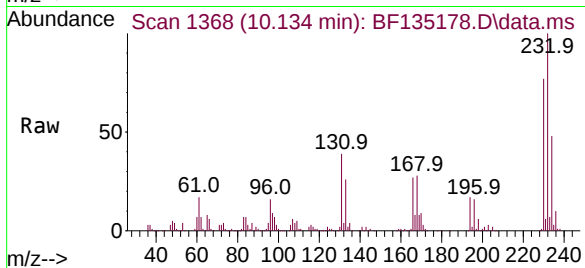




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.775 ng  
RT: 10.134 min Scan# 1368  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

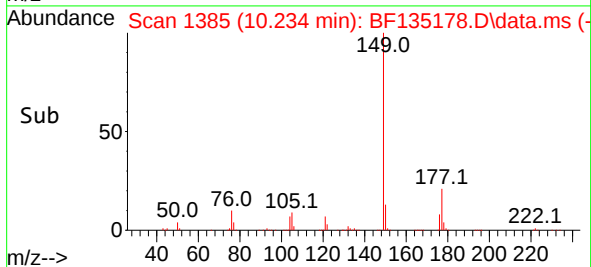
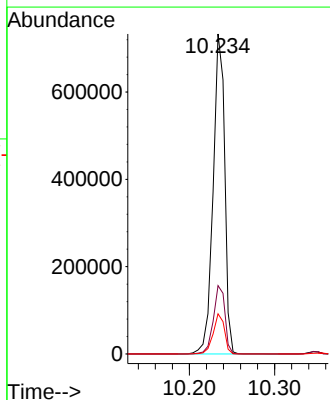
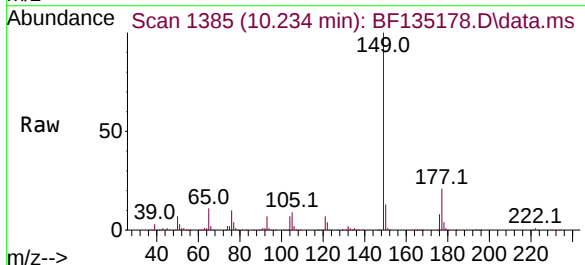
Instrument :  
BNA\_F  
ClientSampleId :

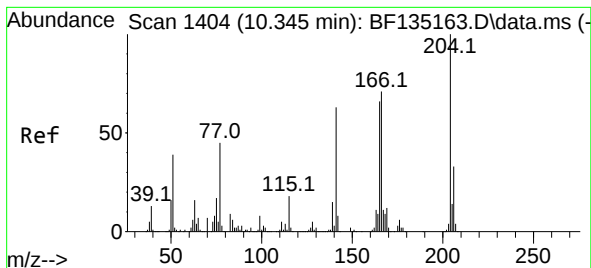
Tgt Ion:232 Resp: 180418  
Ion Ratio Lower Upper  
232 100  
131 42.8 35.4 53.2  
130 2.4 1.8 2.8  
166 29.6 24.3 36.5



#60  
Diethylphthalate  
Concen: 46.342 ng  
RT: 10.234 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:149 Resp: 692191  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.8 26.6  
150 12.6 10.0 15.0

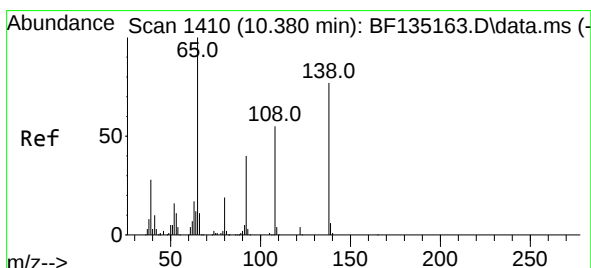
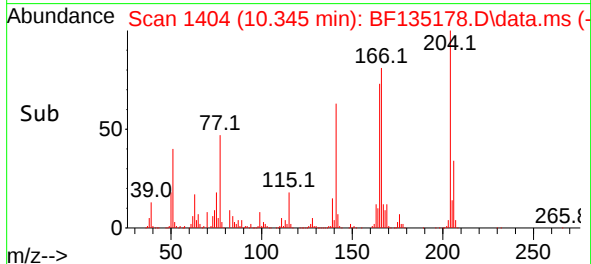
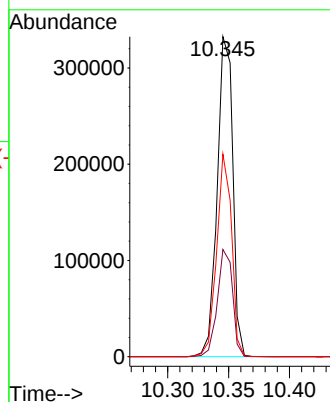
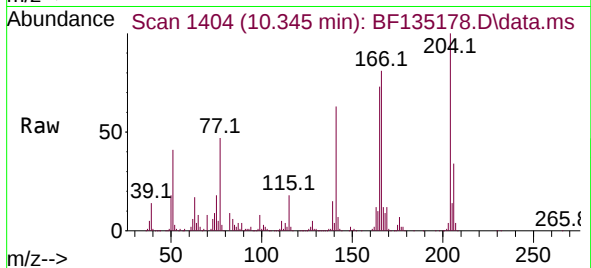




#61  
4-Chlorophenyl-phenylether  
Concen: 43.627 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

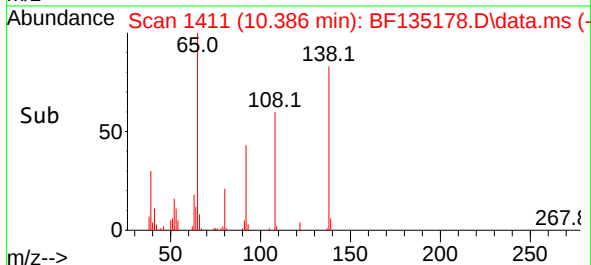
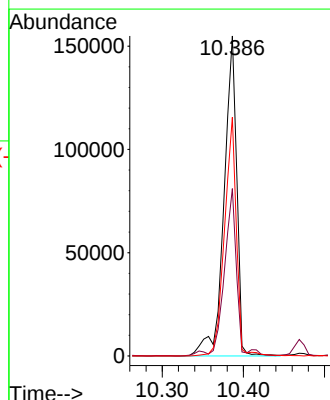
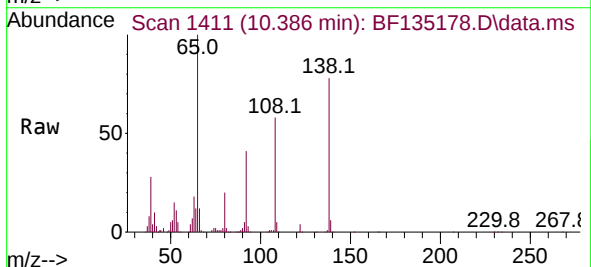
Instrument :  
BNA\_F  
ClientSampleId :

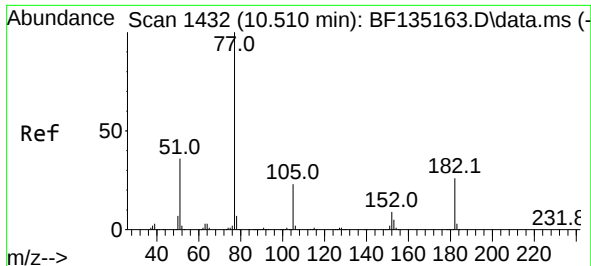
Tgt Ion:204 Resp: 296256  
Ion Ratio Lower Upper  
204 100  
206 33.5 26.7 40.1  
141 63.3 50.6 75.8



#62  
4-Nitroaniline  
Concen: 46.143 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

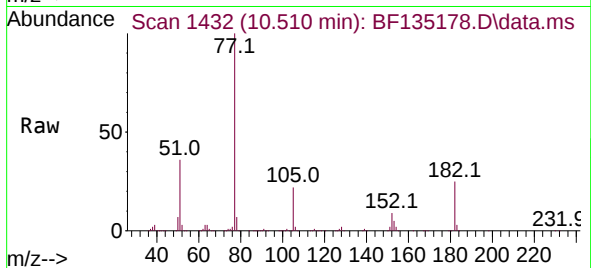
Tgt Ion:138 Resp: 169751  
Ion Ratio Lower Upper  
138 100  
92 52.3 31.8 71.8  
108 74.6 52.0 92.0



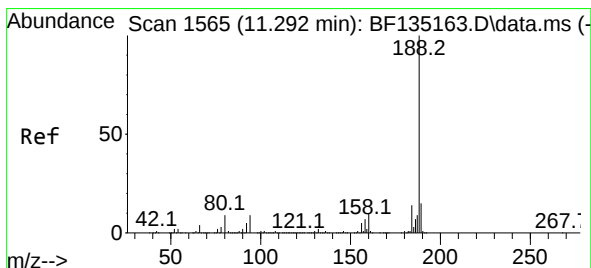
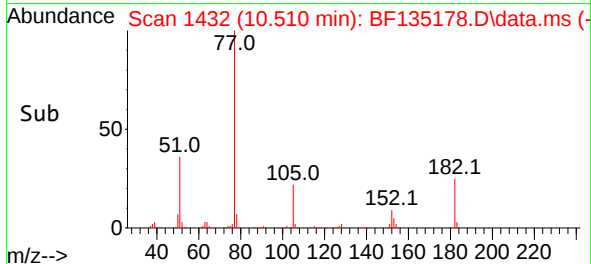
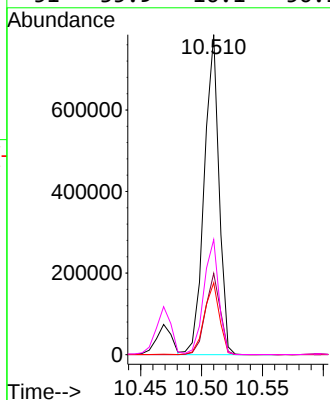


#63  
Azobenzene  
Concen: 45.254 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Instrument :  
BNA\_F  
ClientSampleId :

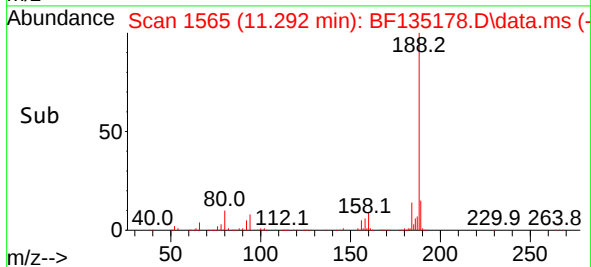
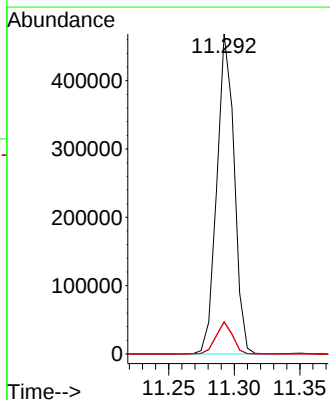
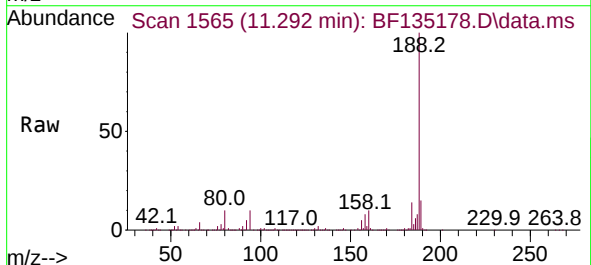


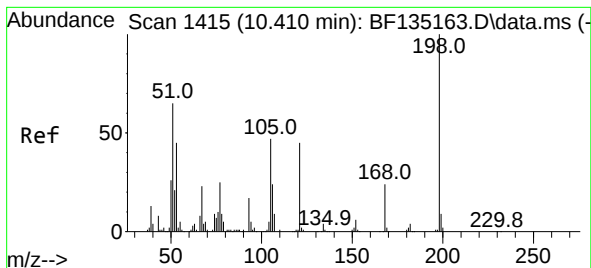
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 661535 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 25.4  | 6.4   | 46.4   |
| 105      | 22.5  | 3.1   | 43.1   |
| 51       | 35.9  | 16.1  | 56.1   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.292 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 430396 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.9   | 7.0   | 10.6   |
| 80       | 10.1  | 7.5   | 11.3   |

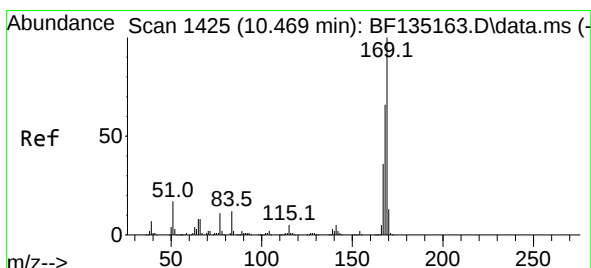
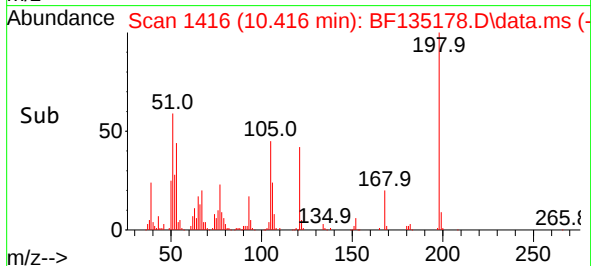
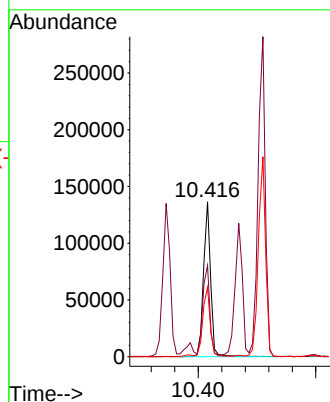
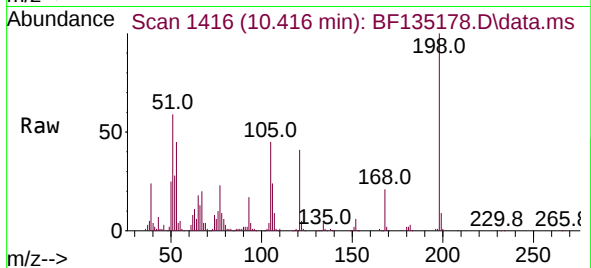




#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.647 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

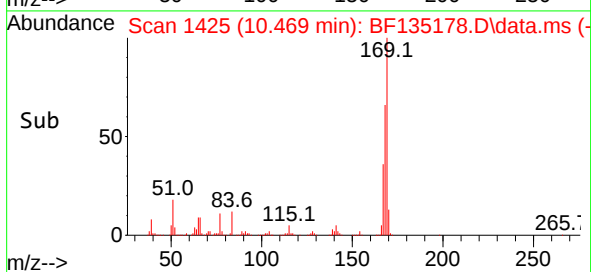
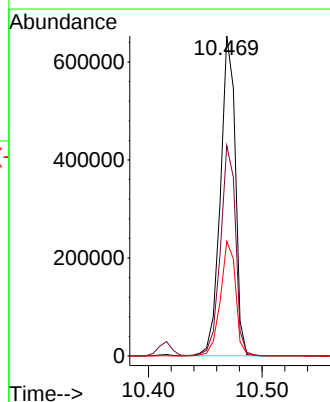
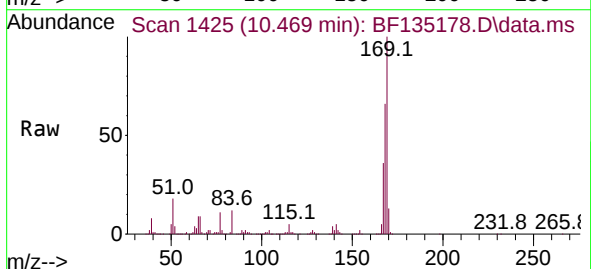
Instrument :  
BNA\_F  
ClientSampleId :

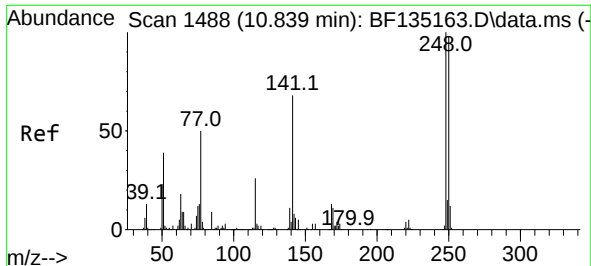
Tgt Ion:198 Resp: 113492  
Ion Ratio Lower Upper  
198 100  
51 58.9 47.7 87.7  
105 44.9 27.4 67.4



#66  
n-Nitrosodiphenylamine  
Concen: 45.789 ng  
RT: 10.469 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

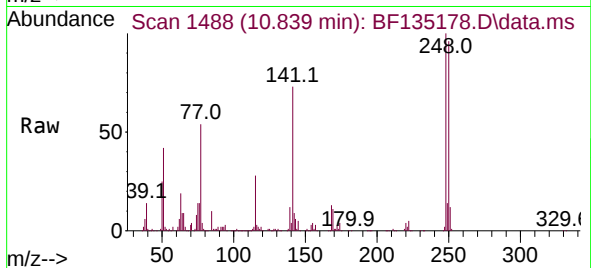
Tgt Ion:169 Resp: 596639  
Ion Ratio Lower Upper  
169 100  
168 65.8 52.8 79.2  
167 35.8 29.0 43.6



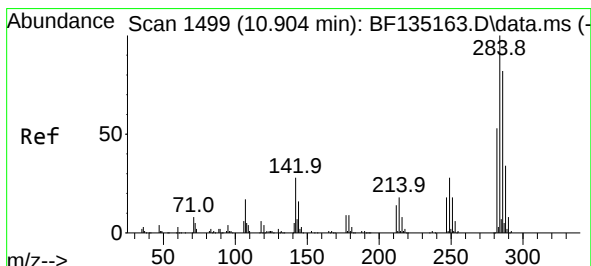
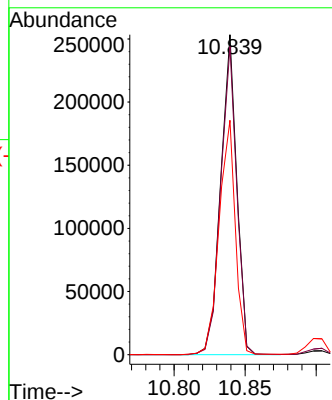
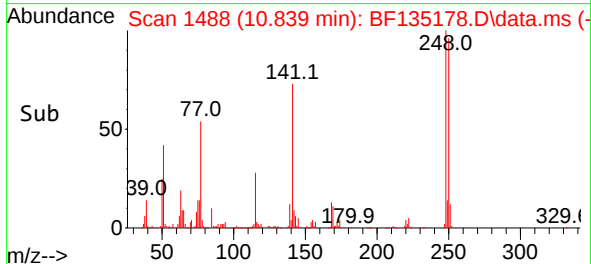


#67  
4-Bromophenyl-phenylether  
Concen: 46.560 ng  
RT: 10.839 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

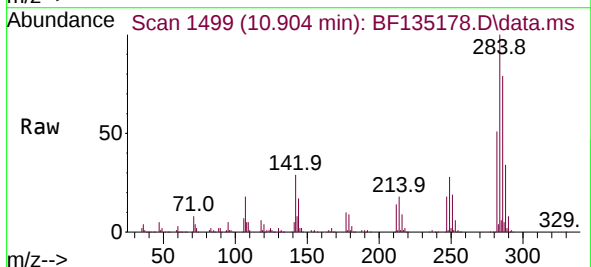
Instrument :  
BNA\_F  
ClientSampleId :



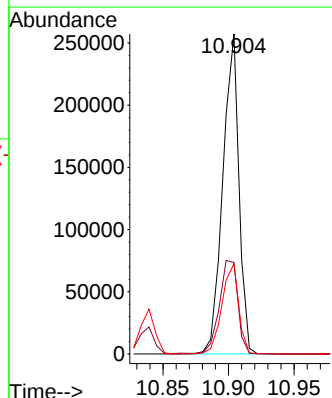
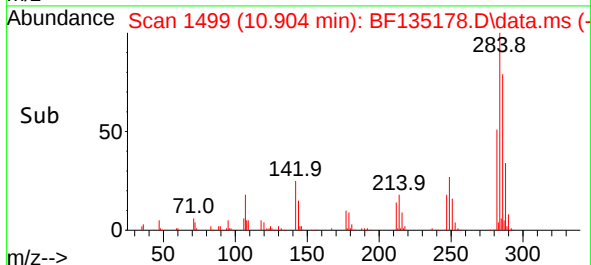
Tgt Ion:248 Resp: 199304  
Ion Ratio Lower Upper  
248 100  
250 96.3 78.6 117.8  
141 73.3 54.2 81.2

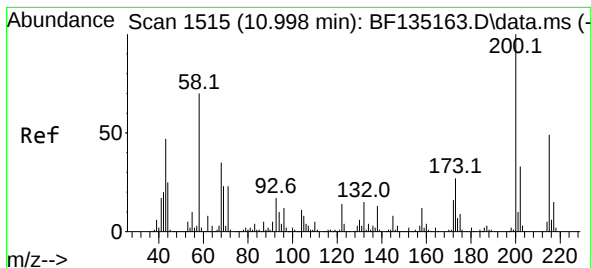


#68  
Hexachlorobenzene  
Concen: 50.210 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09



Tgt Ion:284 Resp: 218965  
Ion Ratio Lower Upper  
284 100  
142 28.6 22.2 33.4  
249 28.2 22.5 33.7





#69

Atrazine

Concen: 55.829 ng

RT: 11.004 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

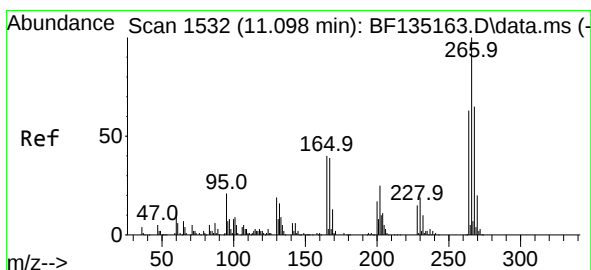
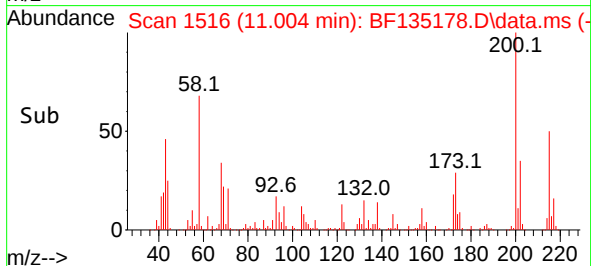
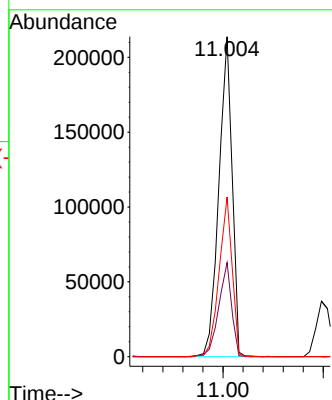
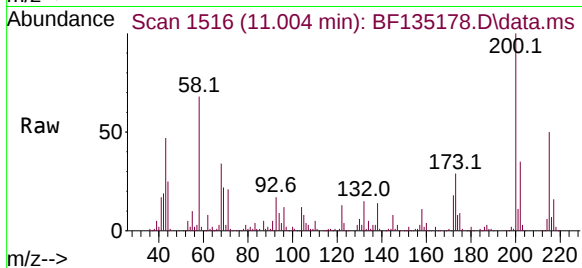
Tgt Ion:200 Resp: 195737

Ion Ratio Lower Upper

200 100

173 29.4 7.4 47.4

215 49.9 28.6 68.6



#70

Pentachlorophenol

Concen: 88.162 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

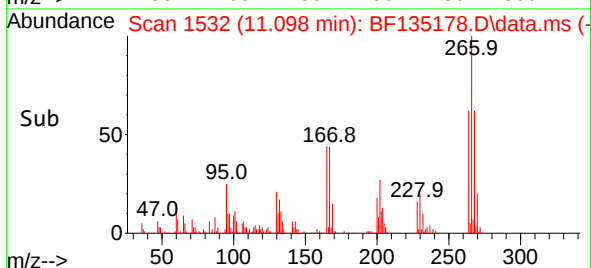
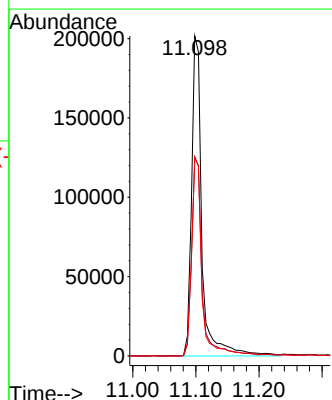
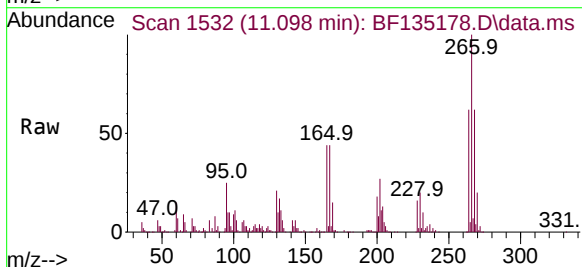
Tgt Ion:266 Resp: 230028

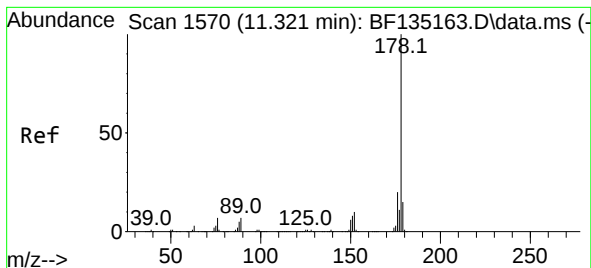
Ion Ratio Lower Upper

266 100

268 62.0 52.1 78.1

264 62.2 50.8 76.2





#71

Phenanthrene

Concen: 46.892 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

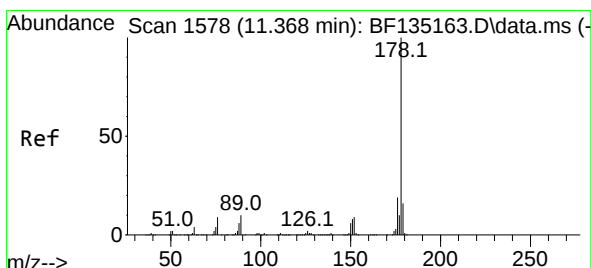
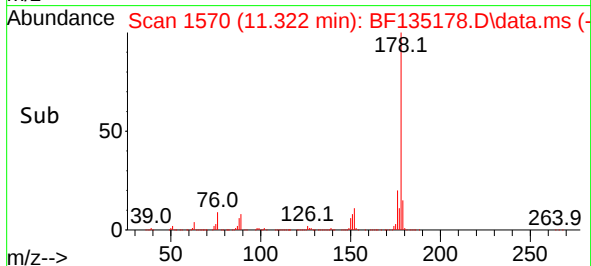
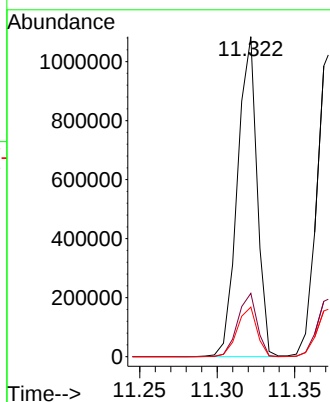
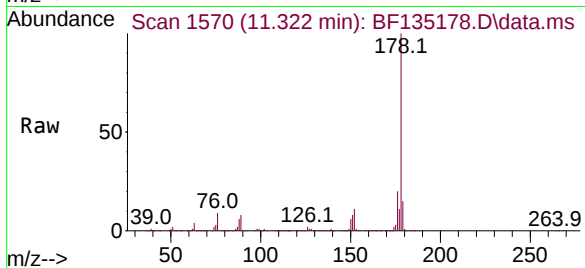
Tgt Ion:178 Resp: 954529

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.5 12.0 18.0



#72

Anthracene

Concen: 47.260 ng

RT: 11.375 min Scan# 1579

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

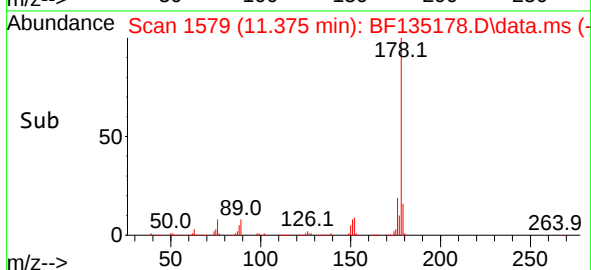
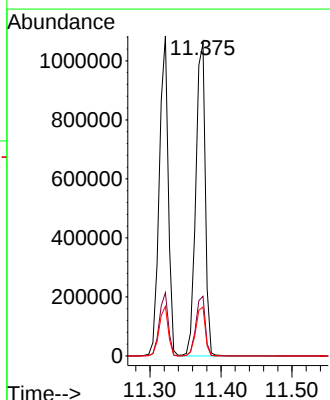
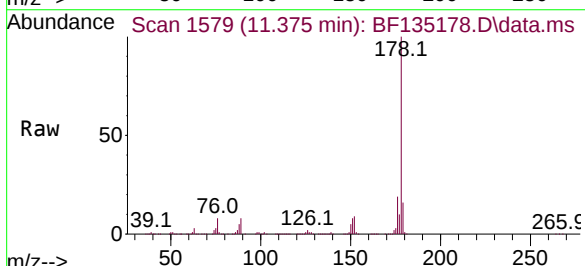
Tgt Ion:178 Resp: 988852

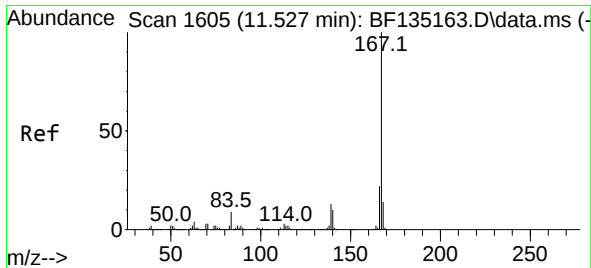
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.7 12.6 19.0

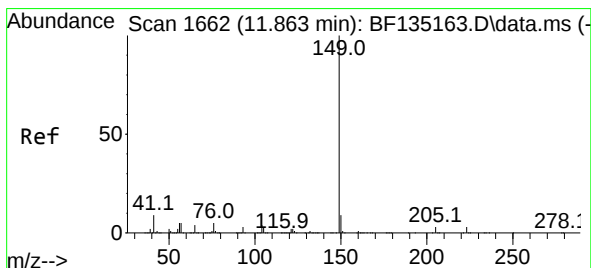
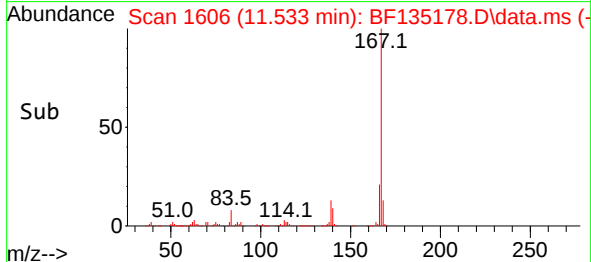
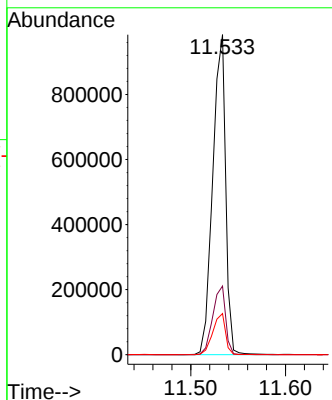
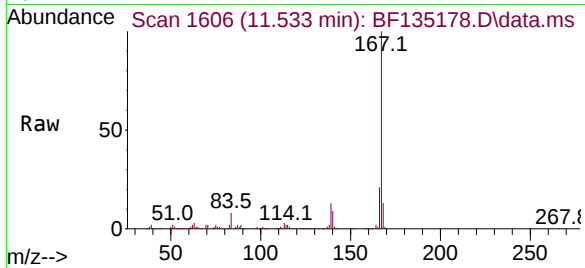




#73  
Carbazole  
Concen: 48.712 ng  
RT: 11.533 min Scan# 1606  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

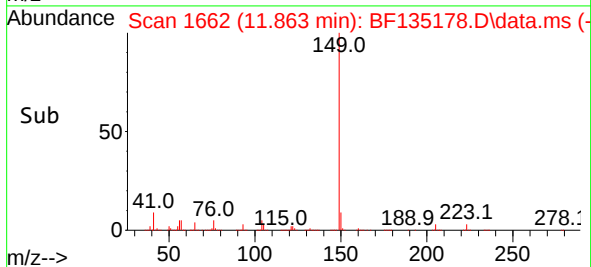
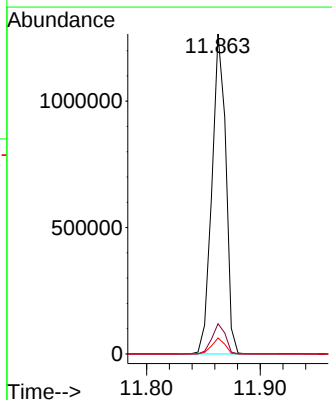
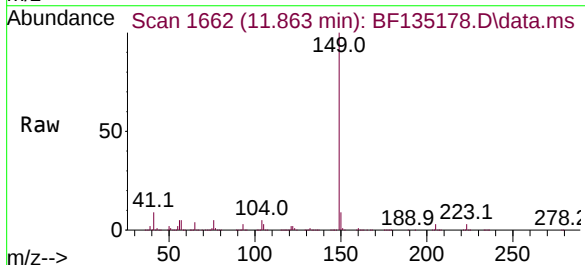
Instrument :  
BNA\_F  
ClientSampleId :

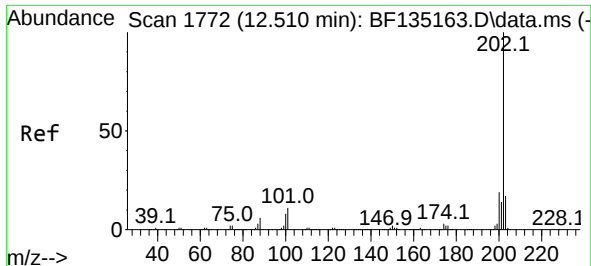
Tgt Ion:167 Resp: 927834  
Ion Ratio Lower Upper  
167 100  
166 21.4 17.4 26.0  
139 12.9 10.6 15.8



#74  
Di-n-butylphthalate  
Concen: 47.866 ng  
RT: 11.863 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:149 Resp: 1074318  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.4 11.0  
104 5.0 3.6 5.4

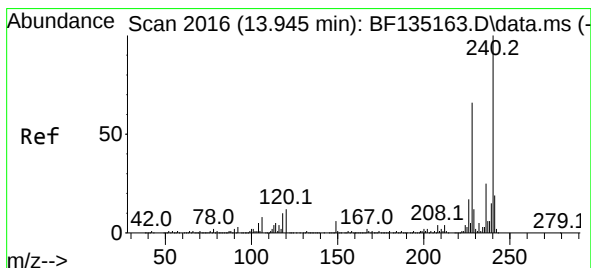
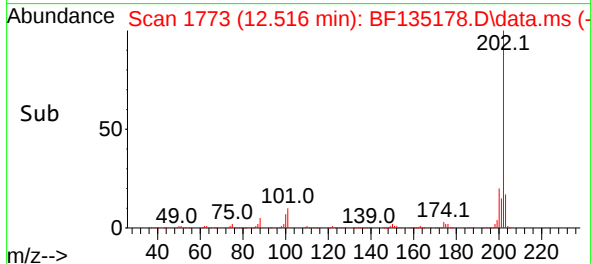
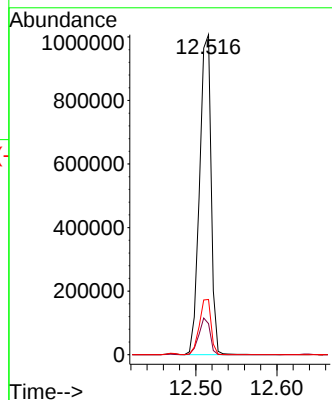
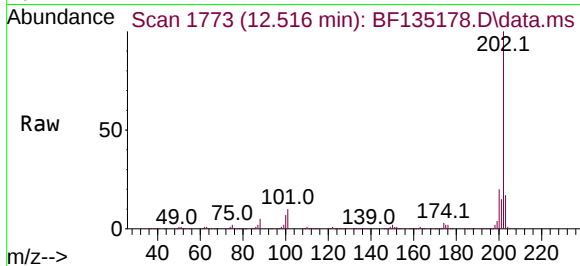




#75  
Fluoranthene  
Concen: 46.812 ng  
RT: 12.516 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

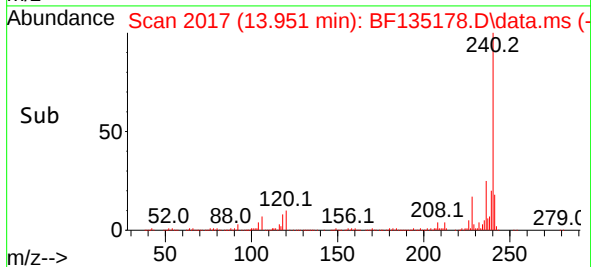
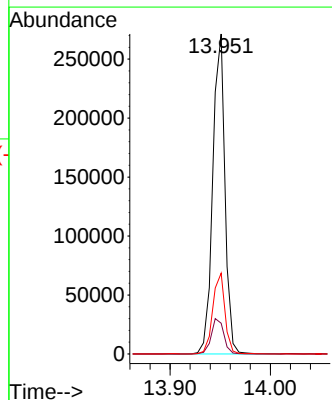
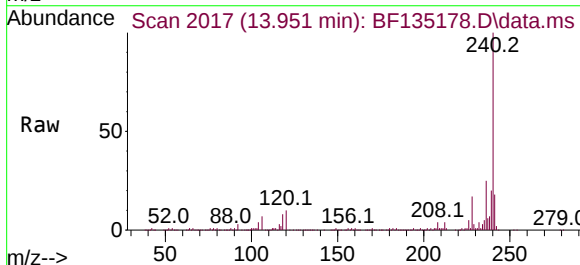
Instrument :  
BNA\_F  
ClientSampleId :

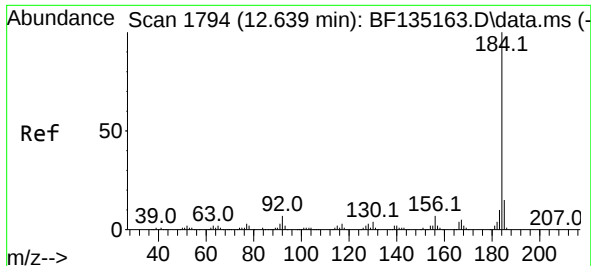
Tgt Ion:202 Resp: 992919  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 31.3  
203 17.3 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.951 min Scan# 2017  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

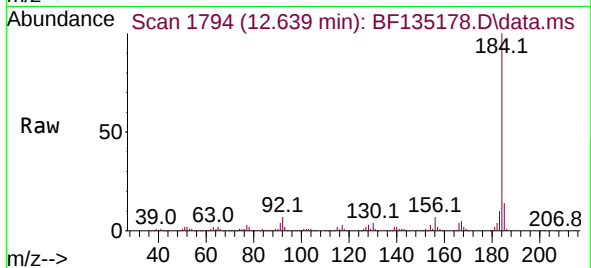
Tgt Ion:240 Resp: 228505  
Ion Ratio Lower Upper  
240 100  
120 9.6 9.4 14.2  
236 25.2 19.8 29.8



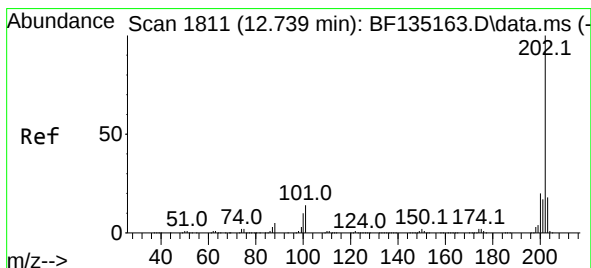
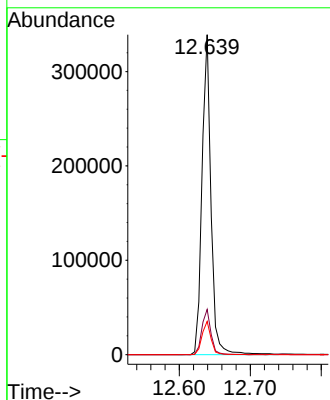
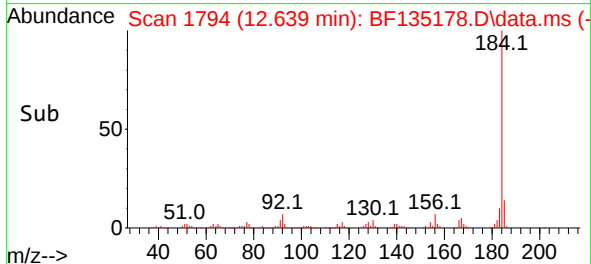


#77  
Benzidine  
Concen: 63.785 ng  
RT: 12.639 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

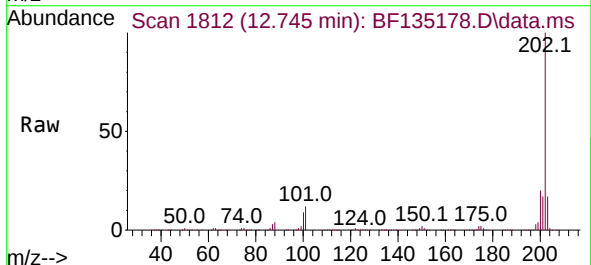
Instrument :  
BNA\_F  
ClientSampleId :



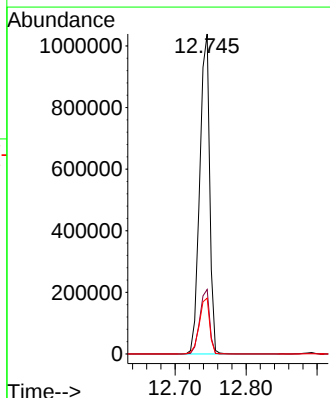
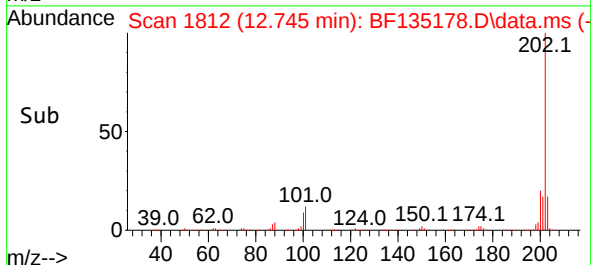
Tgt Ion:184 Resp: 298598  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.7 17.5  
183 10.4 8.2 12.4

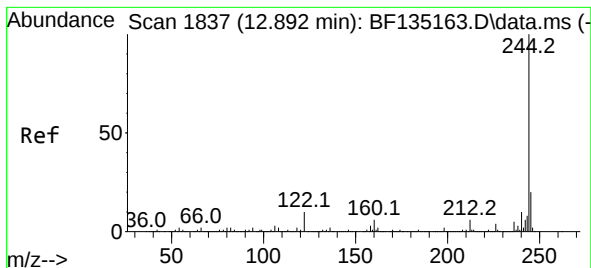


#78  
Pyrene  
Concen: 46.365 ng  
RT: 12.745 min Scan# 1812  
Delta R.T. 0.006 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09



Tgt Ion:202 Resp: 1008684  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.2 24.2  
203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 89.257 ng

RT: 12.892 min Scan# 1837

Delta R.T. 0.000 min

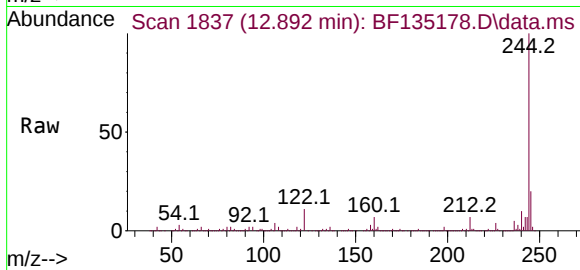
Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :



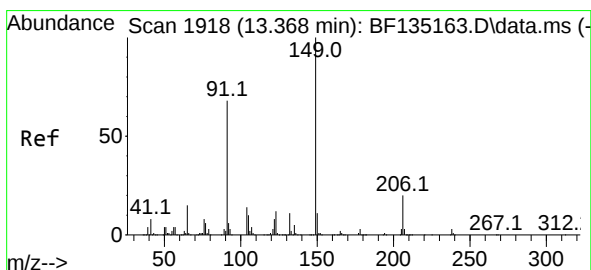
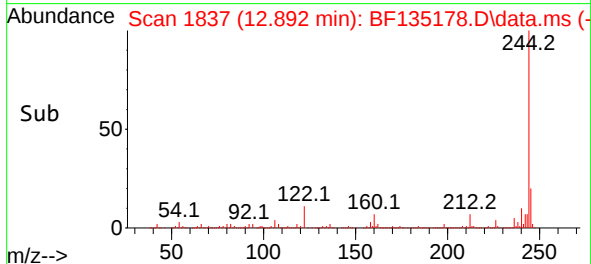
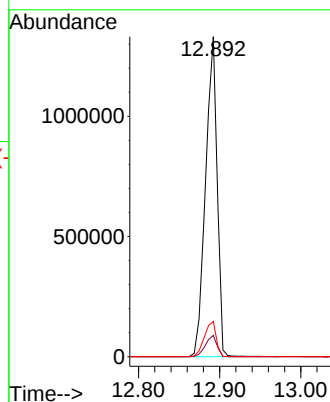
Tgt Ion:244 Resp: 1315689

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.0 7.9 11.9



#80

Butylbenzylphthalate

Concen: 49.736 ng

RT: 13.369 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

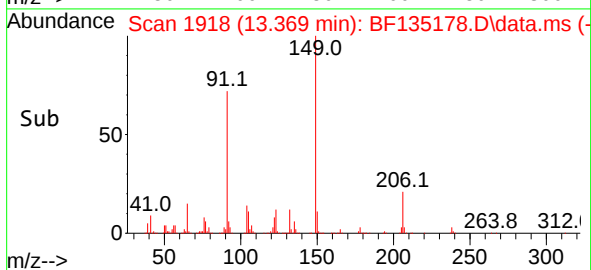
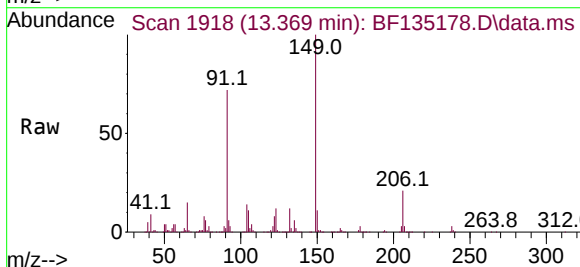
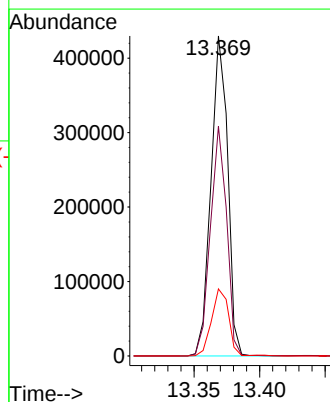
Tgt Ion:149 Resp: 380961

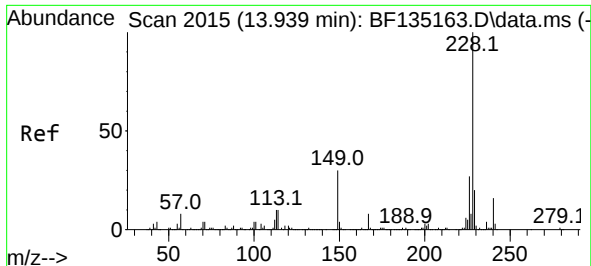
Ion Ratio Lower Upper

149 100

91 71.8 54.7 82.1

206 20.9 16.3 24.5

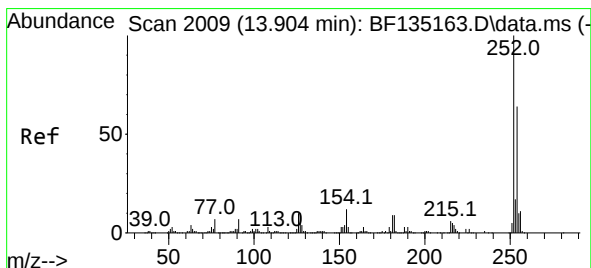
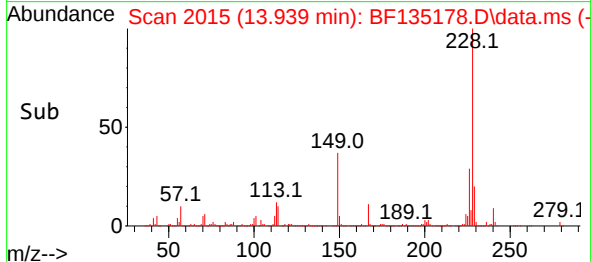
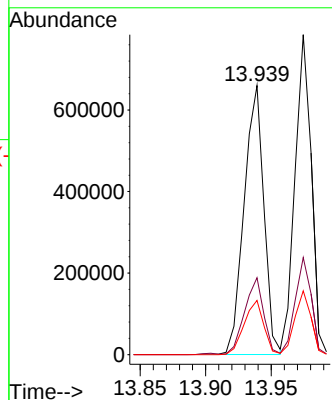
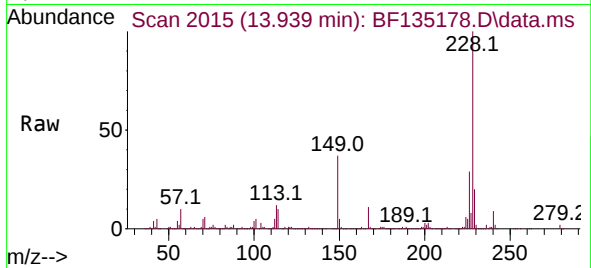




#81  
Benzo(a)anthracene  
Concen: 46.928 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

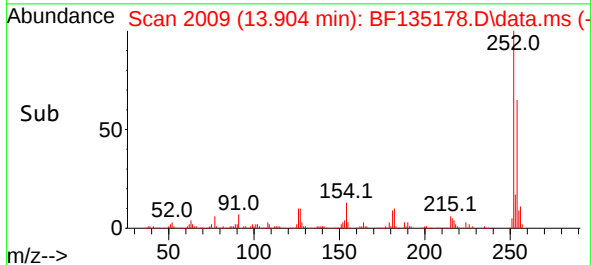
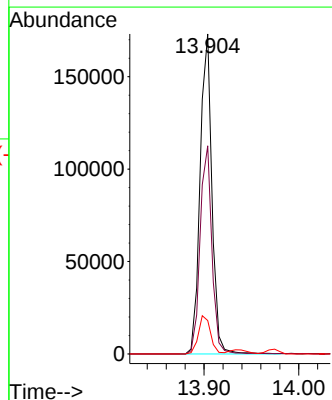
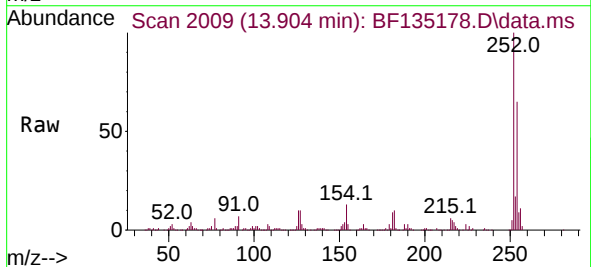
Instrument :  
BNA\_F  
ClientSampleId :

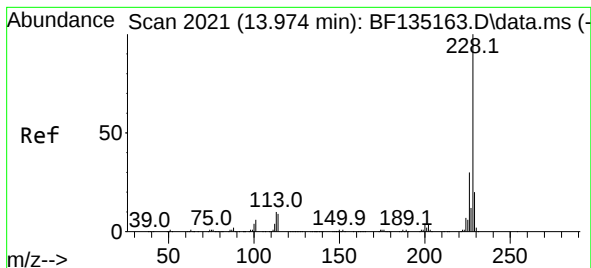
Tgt Ion:228 Resp: 692434  
Ion Ratio Lower Upper  
228 100  
226 28.6 21.7 32.5  
229 20.2 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 32.711 ng  
RT: 13.904 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: BF135178.D  
Acq: 12 Sep 2023 13:09

Tgt Ion:252 Resp: 150758  
Ion Ratio Lower Upper  
252 100  
254 65.1 51.0 76.4  
126 10.5 7.8 11.8





#83

Chrysene

Concen: 46.379 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

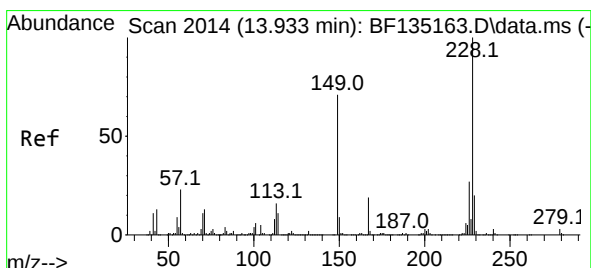
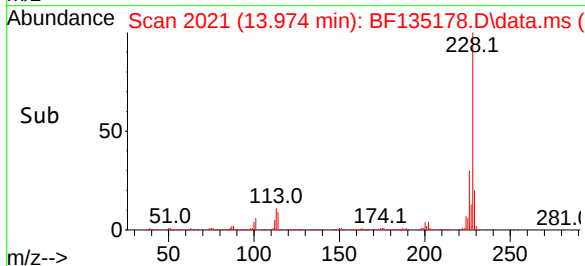
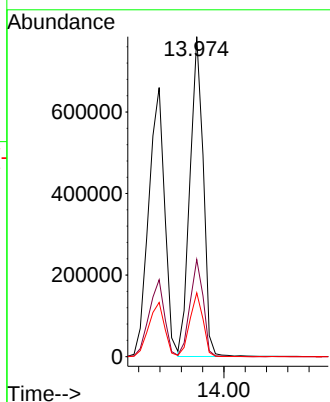
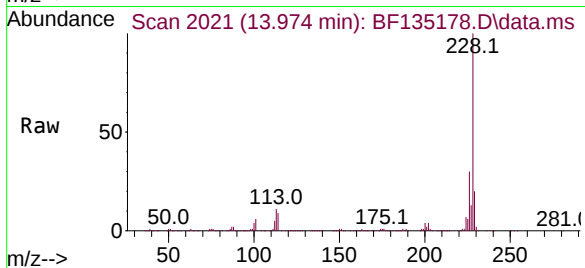
Tgt Ion:228 Resp: 680375

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 20.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.352 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

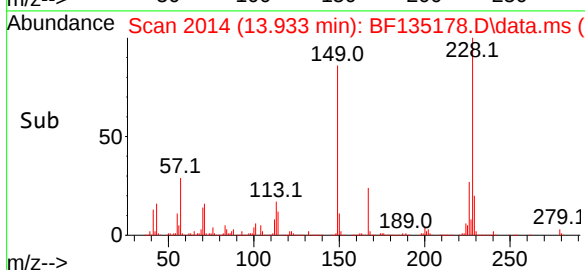
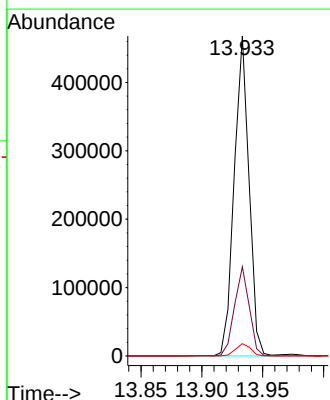
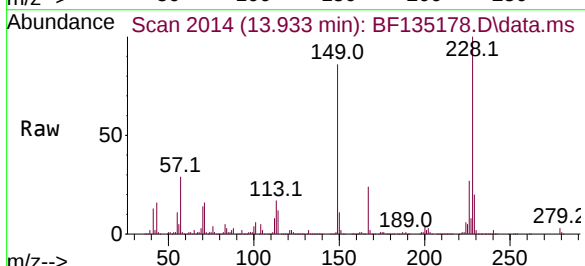
Tgt Ion:149 Resp: 395774

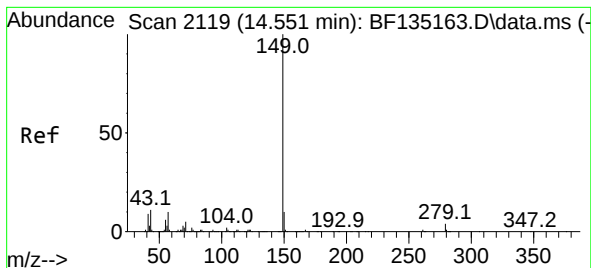
Ion Ratio Lower Upper

149 100

167 27.8 21.9 32.9

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 50.637 ng

RT: 14.551 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

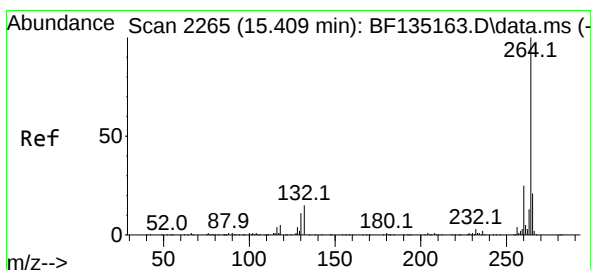
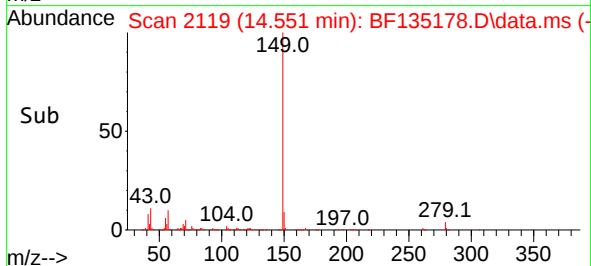
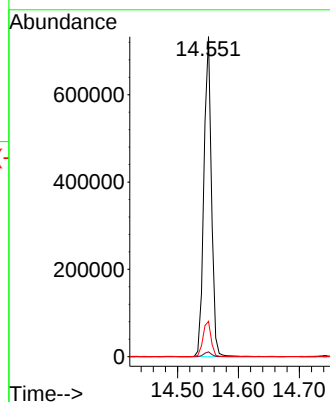
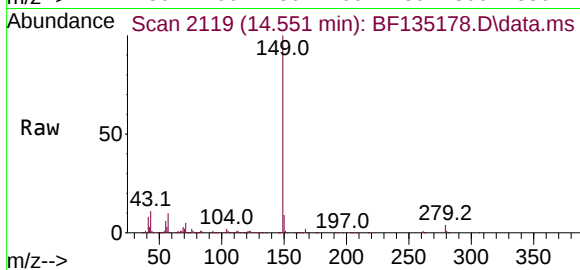
Tgt Ion:149 Resp: 632530

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 11.7 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

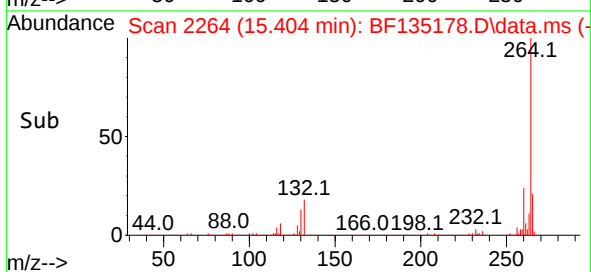
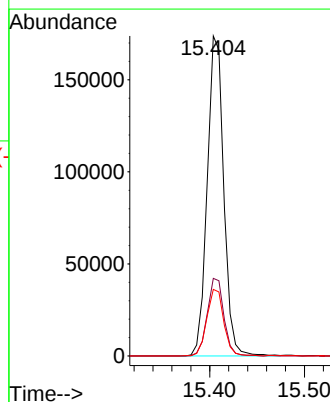
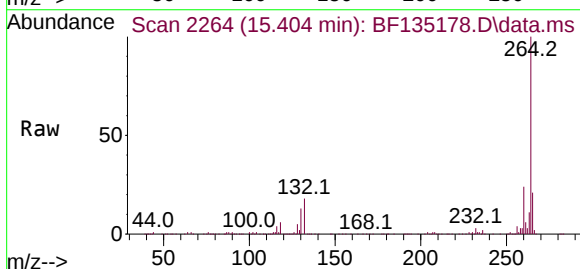
Tgt Ion:264 Resp: 210344

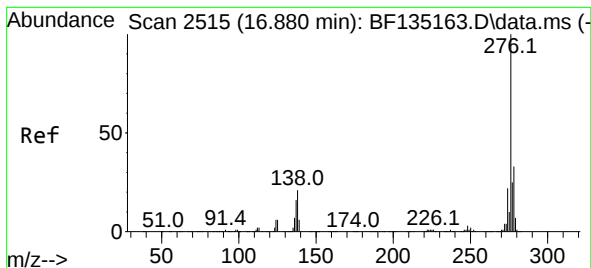
Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

265 20.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.955 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

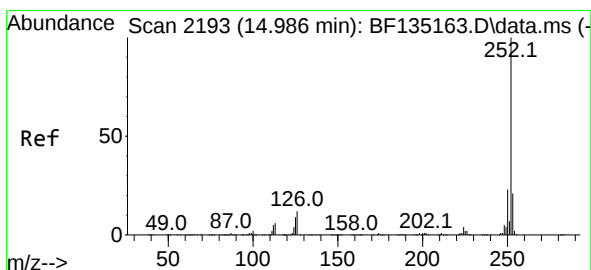
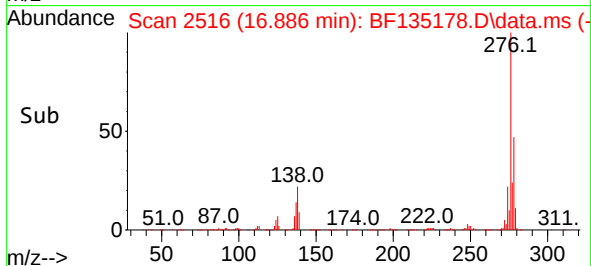
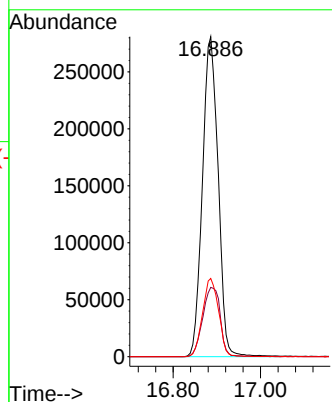
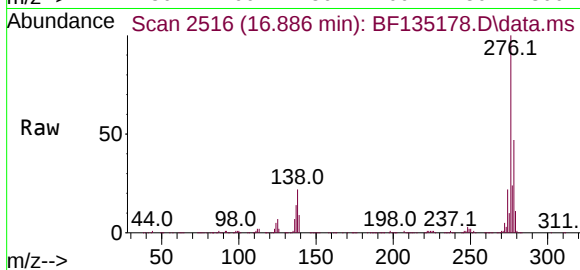
Tgt Ion:276 Resp: 702749

Ion Ratio Lower Upper

276 100

138 24.1 19.2 28.8

277 25.0 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 51.696 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

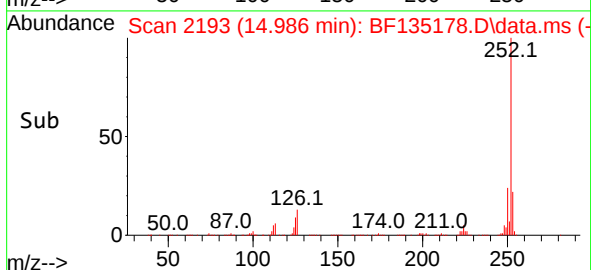
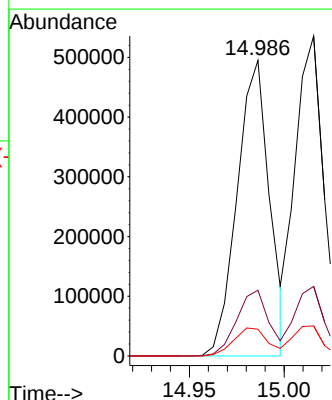
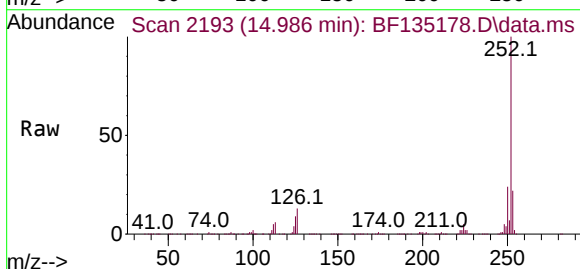
Tgt Ion:252 Resp: 588651

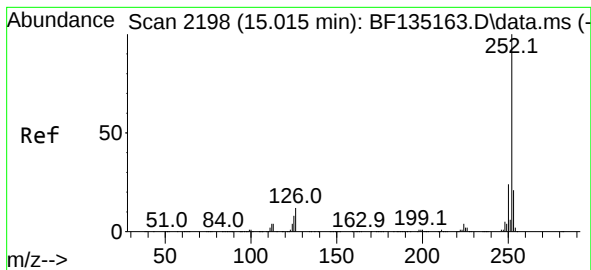
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 9.1 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 49.934 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNF

ClientSampleId :

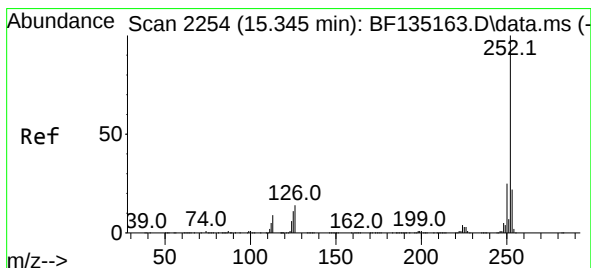
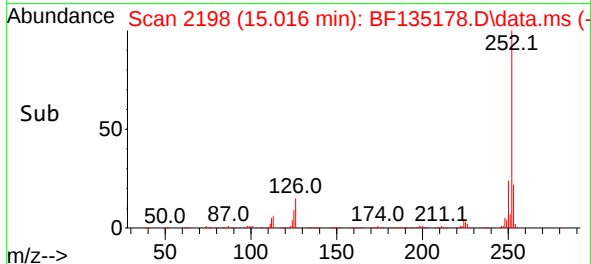
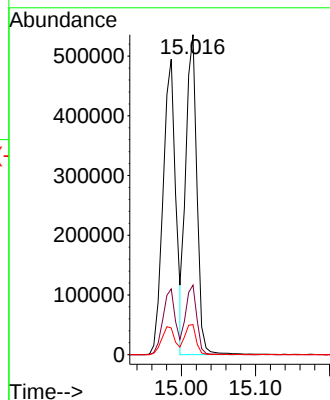
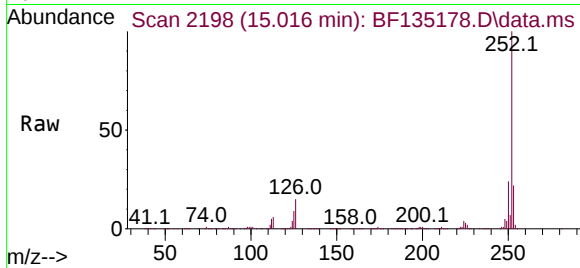
Tgt Ion:252 Resp: 561653

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 47.815 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

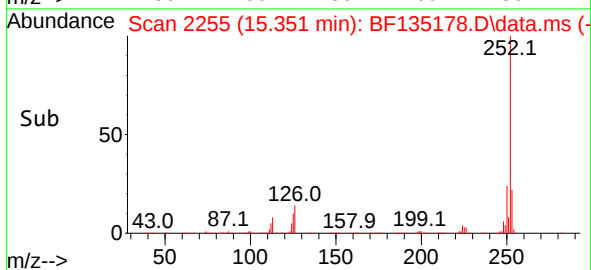
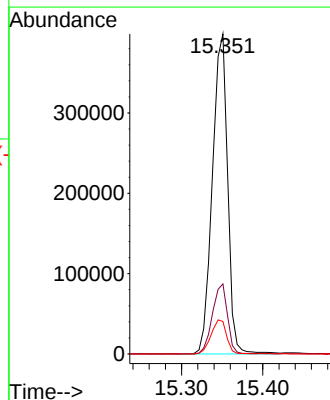
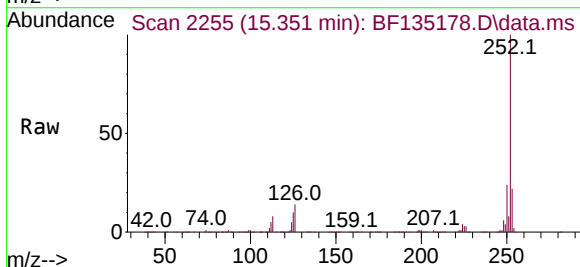
Tgt Ion:252 Resp: 519213

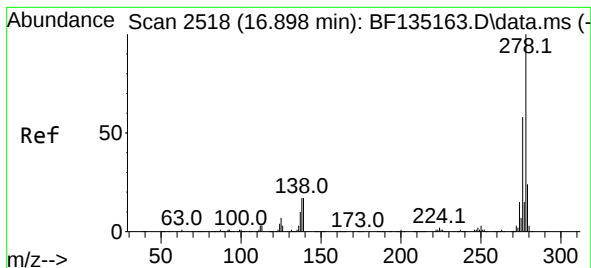
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.2 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 50.220 ng

RT: 16.904 min Scan# 2518

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Instrument :

BNA\_F

ClientSampleId :

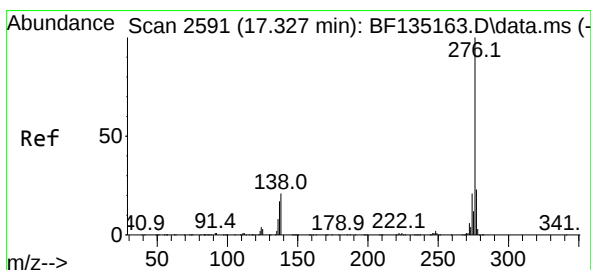
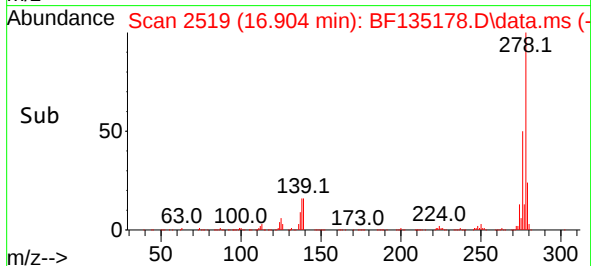
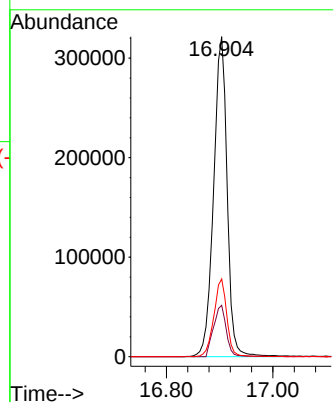
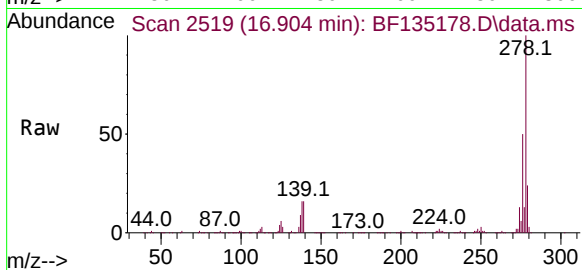
Tgt Ion:278 Resp: 566702

Ion Ratio Lower Upper

278 100

139 16.0 13.4 20.0

279 24.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 51.022 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135178.D

Acq: 12 Sep 2023 13:09

Tgt Ion:276 Resp: 601297

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 21.3 16.9 25.3

