

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102722\  
 Data File : BF130814.D  
 Acq On : 27 Oct 2022 23:56  
 Operator : CG\JU  
 Sample : PB148514BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148514BS

Quant Time: Oct 28 04:55:08 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 28 04:00:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.957  | 152  | 94627    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.240  | 136  | 372091   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.004 | 164  | 206932   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.492 | 188  | 390072   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.139 | 240  | 234759   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.657 | 264  | 174856   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.581  | 112  | 786609   | 144.110 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.575  | 99   | 1022495  | 144.152 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.522  | 82   | 652971   | 105.817 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.798 | 330  | 286311   | 164.362 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.322  | 172  | 1226005  | 89.574  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.086 | 244  | 1354548  | 105.732 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.869  | 88   | 97887    | 39.999  | ng    | 91       |
| 3) Pyridine                   | 3.616  | 79   | 268848   | 39.222  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 190463   | 49.496  | ng    | 97       |
| 6) Aniline                    | 6.616  | 93   | 417369   | 47.586  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.740  | 128  | 308609   | 50.754  | ng    | 100      |
| 9) Benzaldehyde               | 6.504  | 77   | 152925   | 33.685  | ng    | 94       |
| 10) Phenol                    | 6.587  | 94   | 368206   | 48.238  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.693  | 93   | 294385   | 49.474  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.898  | 146  | 325638   | 47.261  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.975  | 146  | 328465   | 46.965  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.122  | 146  | 322374   | 49.770  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.093  | 79   | 262835   | 43.578  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.228  | 45   | 537827   | 50.708  | ng    | 99       |
| 17) 2-Methylphenol            | 7.198  | 107  | 257756   | 49.596  | ng    | 99       |
| 18) Hexachloroethane          | 7.469  | 117  | 123624   | 48.908  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 232984   | 48.276  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.351  | 107  | 320143   | 47.378  | ng    | 94       |
| 22) Acetophenone              | 7.369  | 105  | 436227   | 48.354  | ng    | 99       |
| 24) Nitrobenzene              | 7.540  | 77   | 345051   | 51.137  | ng    | 99       |
| 25) Isophorone                | 7.781  | 82   | 643986   | 50.608  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.857  | 139  | 138838   | 51.831  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.887  | 122  | 290483   | 54.851  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.987  | 93   | 372620   | 52.432  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.092  | 162  | 264305   | 48.515  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.181  | 180  | 264512   | 45.152  | ng    | 96       |
| 31) Naphthalene               | 8.263  | 128  | 883072   | 45.488  | ng    | 100      |
| 32) Benzoic acid              | 8.004  | 122  | 185511   | 49.082  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.310  | 127  | 275067   | 35.857  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.375  | 225  | 181780   | 46.744  | ng    | 99       |
| 35) Caprolactam               | 8.681  | 113  | 45481    | 26.051  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.787  | 107  | 297391   | 50.325  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.957  | 142  | 569697   | 46.653  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.057  | 142  | 540321   | 45.467  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.122  | 216  | 279430   | 47.618  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.110  | 237  | 389161   | 126.215 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.228  | 196  | 194356   | 47.664  | ng    | 100      |

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 ALS Vial : 17 Sample Multiplier: 1

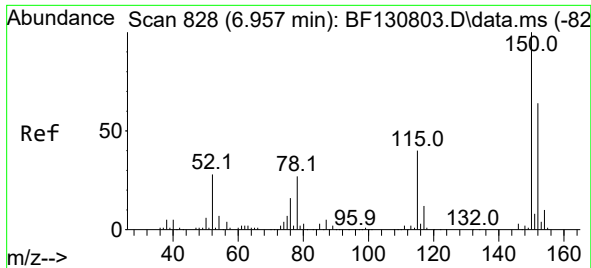
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 BNA\_F  
 ClientSampleId :  
 PB148514BS

Quant Time: Oct 28 04:55:08 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 28 04:00:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.269  | 196  | 213490   | 49.005  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.422  | 154  | 713784   | 48.415  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.445  | 162  | 553703   | 46.838  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.539  | 65   | 193701   | 50.701  | ng    | 99       |
| 49) Acenaphthylene            | 9.869  | 152  | 886364   | 47.446  | ng    | 99       |
| 50) Dimethylphthalate         | 9.722  | 163  | 672691   | 47.328  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.786  | 165  | 142011   | 52.295  | ng    | # 84     |
| 52) Acenaphthene              | 10.039 | 154  | 594541   | 51.468  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.951  | 138  | 119840   | 43.288  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.057 | 184  | 124710   | 90.629  | ng    | 93       |
| 55) Dibenzofuran              | 10.210 | 168  | 792286   | 47.318  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.104 | 139  | 240999   | 109.943 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.186 | 165  | 184427   | 53.839  | ng    | # 88     |
| 58) Fluorene                  | 10.557 | 166  | 609518   | 46.230  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232  | 174034   | 48.454  | ng    | 99       |
| 60) Diethylphthalate          | 10.428 | 149  | 683812   | 48.919  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204  | 303974   | 48.194  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.575 | 138  | 150849   | 53.811  | ng    | 98       |
| 63) Azobenzene                | 10.704 | 77   | 707429   | 48.482  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.592 | 198  | 79367    | 48.572  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.663 | 169  | 581183   | 47.767  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.039 | 248  | 190967   | 48.681  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.098 | 284  | 210368   | 48.673  | ng    | 97       |
| 69) Atrazine                  | 11.192 | 200  | 202772   | 57.709  | ng    | 97       |
| 70) Pentachlorophenol         | 11.292 | 266  | 240084   | 97.345  | ng    | 97       |
| 71) Phenanthrene              | 11.522 | 178  | 927553   | 46.072  | ng    | 99       |
| 72) Anthracene                | 11.575 | 178  | 951914   | 47.937  | ng    | 100      |
| 73) Carbazole                 | 11.728 | 167  | 850845   | 47.845  | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.051 | 149  | 1044461  | 48.360  | ng    | 99       |
| 75) Fluoranthene              | 12.710 | 202  | 986411   | 46.113  | ng    | 99       |
| 77) Benzidine                 | 12.833 | 184  | 501803   | 88.055  | ng    | 99       |
| 78) Pyrene                    | 12.945 | 202  | 990923   | 50.031  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.557 | 149  | 380872   | 53.451  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.133 | 228  | 736938   | 47.347  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.092 | 252  | 167735   | 39.929  | ng    | 94       |
| 83) Chrysene                  | 14.169 | 228  | 695201   | 46.306  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.116 | 149  | 457473   | 53.395  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.739 | 149  | 630067   | 53.285  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.215 | 276  | 640843   | 55.189  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.210 | 252  | 556230   | 49.210  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.239 | 252  | 548832   | 49.830  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.592 | 252  | 479191   | 52.737  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.239 | 278  | 560312   | 59.193  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.692 | 276  | 575832   | 59.627  | ng    | 98       |

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

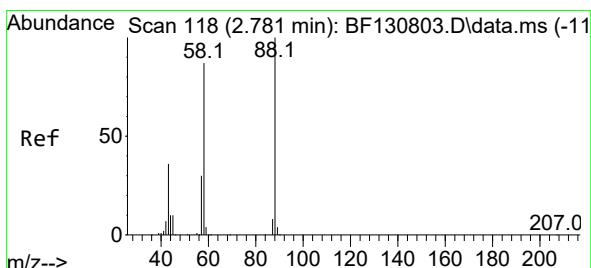
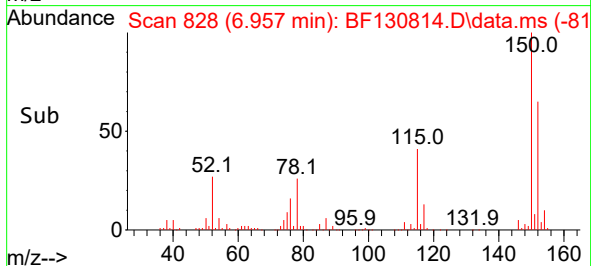
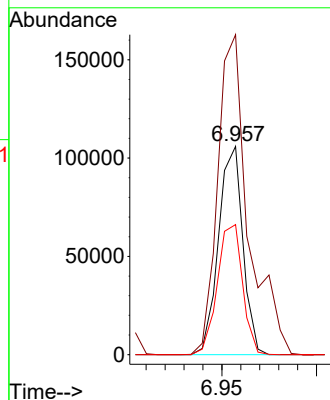
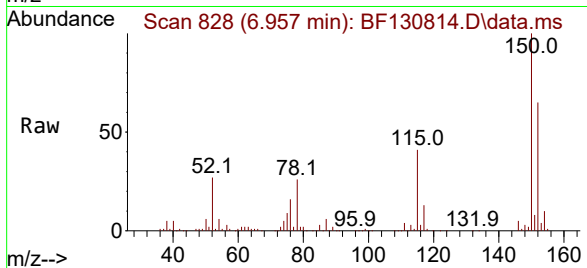




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.957 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

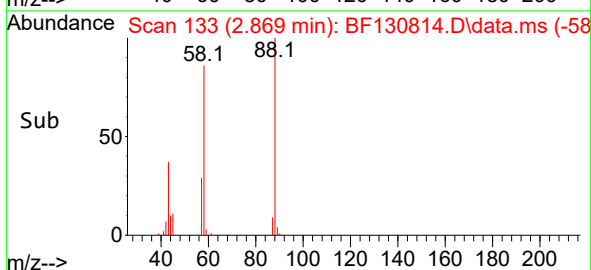
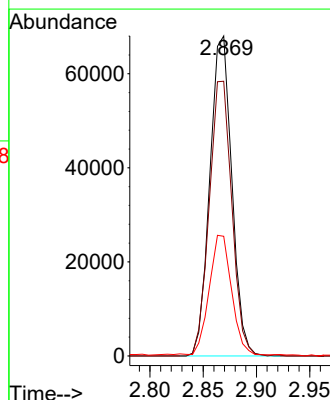
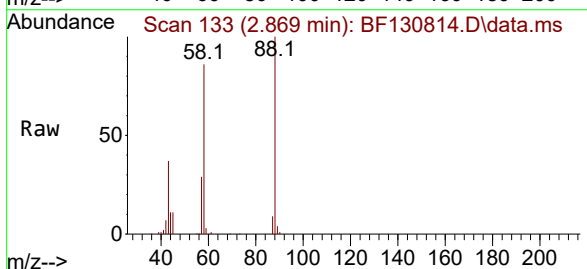
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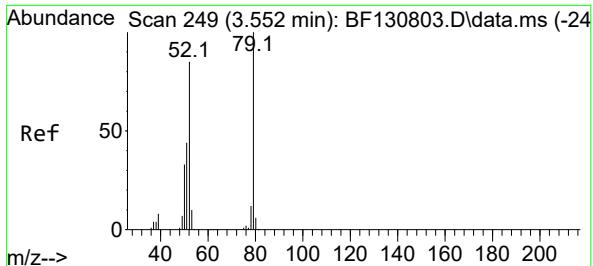
Tgt Ion:152 Resp: 94627  
 Ion Ratio Lower Upper  
 152 100  
 150 153.6 124.1 186.1  
 115 62.5 50.1 75.1



#2  
 1,4-Dioxane  
 Concen: 39.999 ng  
 RT: 2.869 min Scan# 133  
 Delta R.T. 0.088 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

Tgt Ion: 88 Resp: 97887  
 Ion Ratio Lower Upper  
 88 100  
 58 88.2 64.7 97.1  
 43 38.6 26.5 39.7

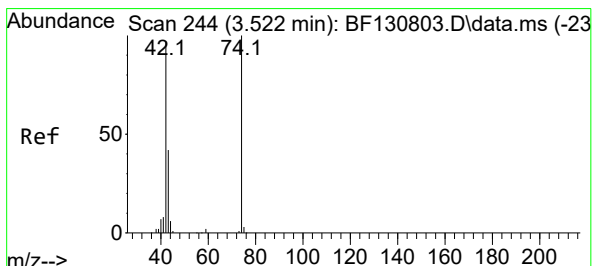
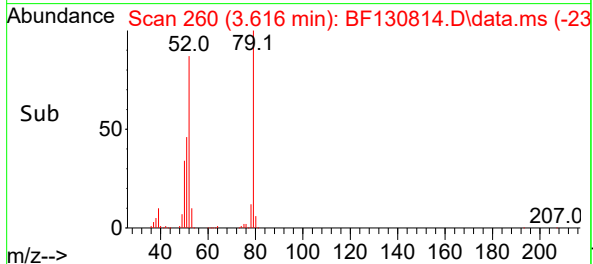
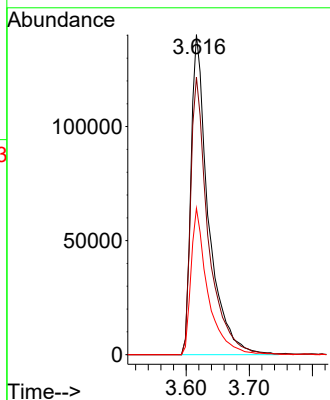
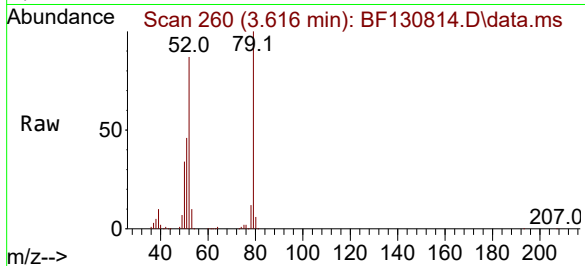




#3  
Pyridine  
Concen: 39.222 ng  
RT: 3.616 min Scan# 20  
Delta R.T. 0.065 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

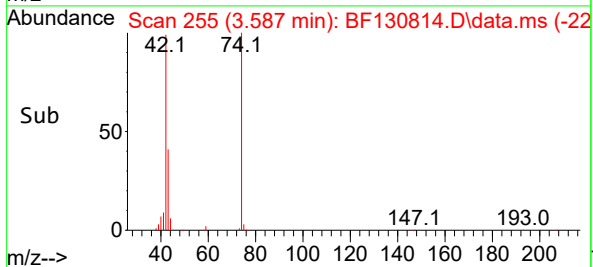
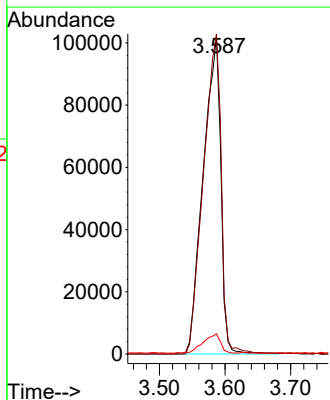
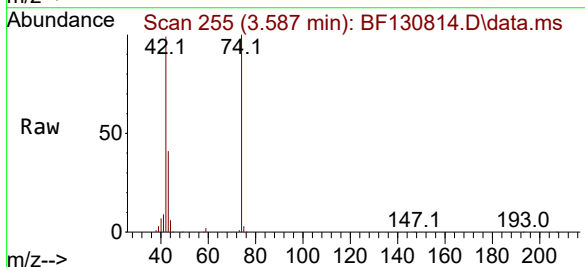
Instrument :  
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ClientSampleId :  
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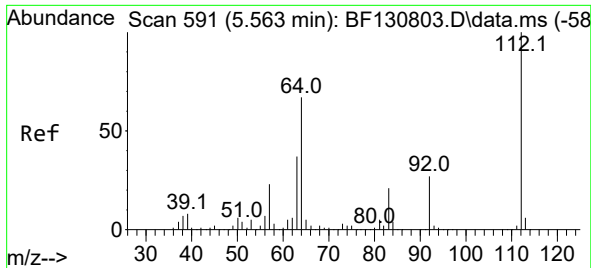
Tgt Ion: 79 Resp: 268848  
Ion Ratio Lower Upper  
79 100  
52 86.8 68.2 102.4  
51 45.8 35.2 52.8



#4  
n-Nitrosodimethylamine  
Concen: 49.496 ng  
RT: 3.587 min Scan# 255  
Delta R.T. 0.065 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion: 42 Resp: 190463  
Ion Ratio Lower Upper  
42 100  
74 101.0 82.8 124.2  
44 6.4 6.0 9.0

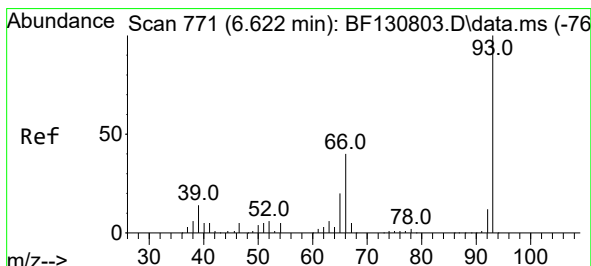
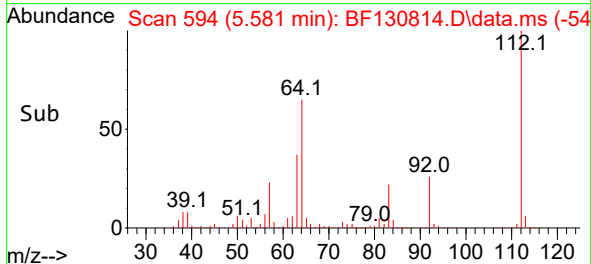
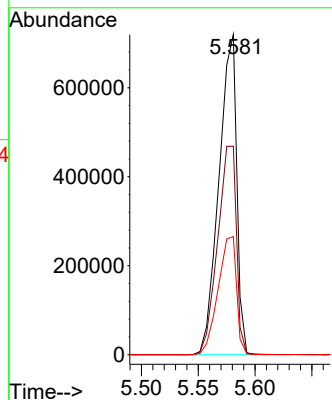
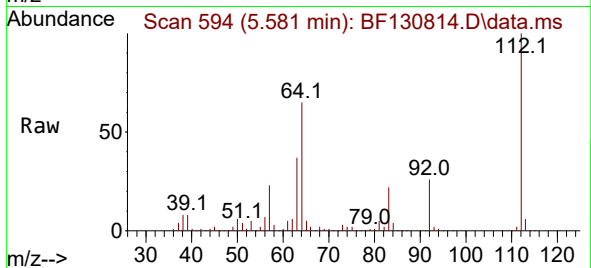




#5  
2-Fluorophenol  
Concen: 144.110 ng  
RT: 5.581 min Scan# 591  
Delta R.T. 0.018 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

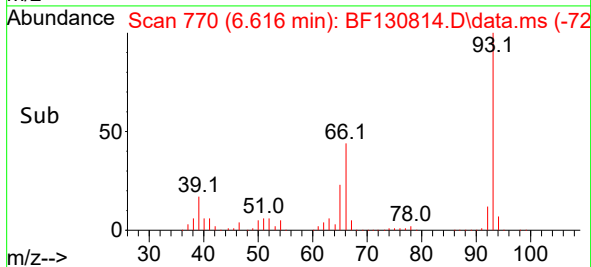
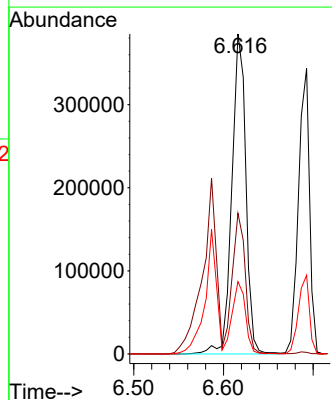
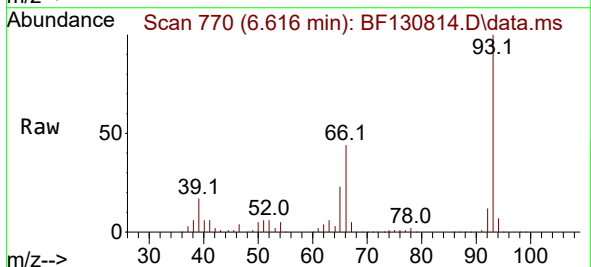
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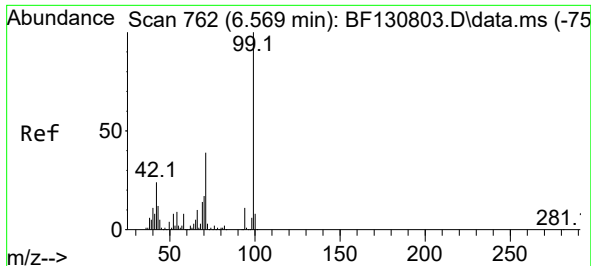
Tgt Ion:112 Resp: 786609  
Ion Ratio Lower Upper  
112 100  
64 65.2 53.9 80.9  
63 36.9 29.4 44.2



#6  
Aniline  
Concen: 47.586 ng  
RT: 6.616 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion: 93 Resp: 417369  
Ion Ratio Lower Upper  
93 100  
66 43.9 33.8 50.8  
65 22.6 17.2 25.8

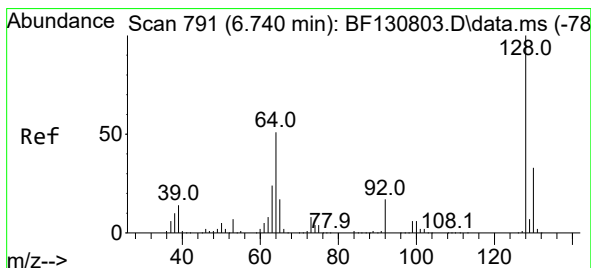
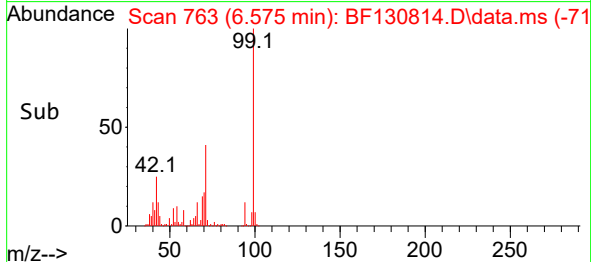
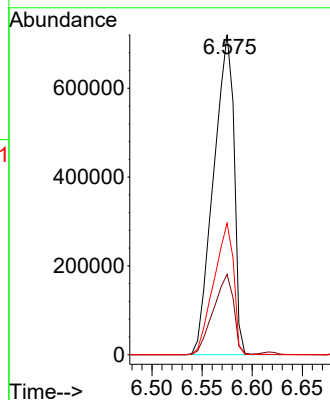
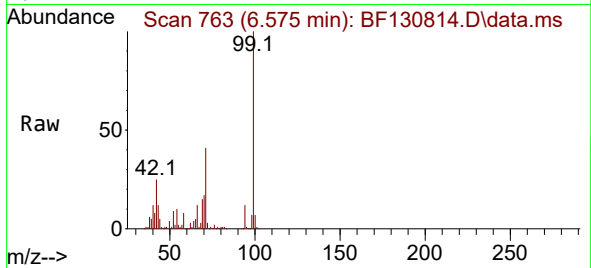




#7  
Phenol-d6  
Concen: 144.152 ng  
RT: 6.575 min Scan# 763  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

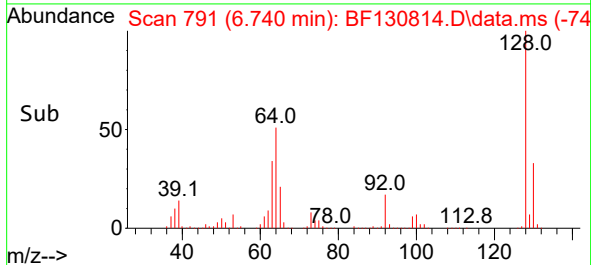
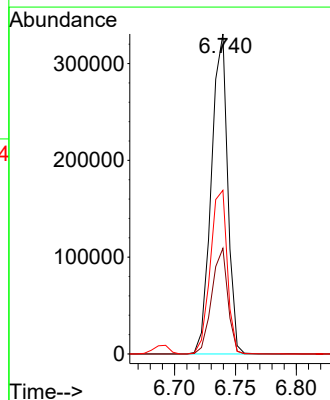
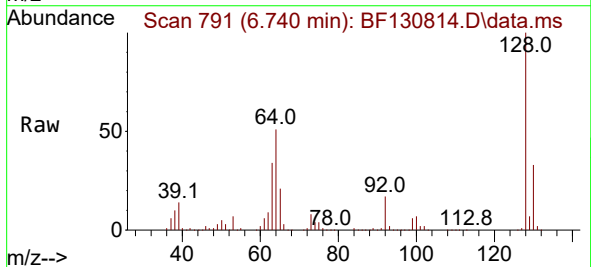
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BNA\_F  
ClientSampleId :  
PB148514BS

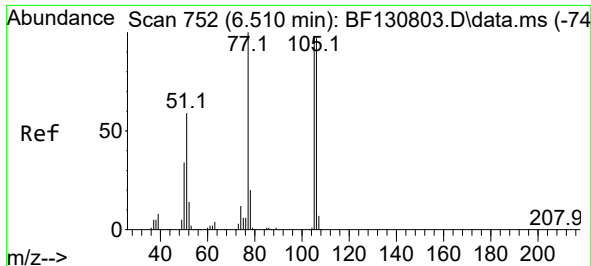
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71 41.1 31.4 47.0



#8  
2-Chlorophenol  
Concen: 50.754 ng  
RT: 6.740 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:128 Resp: 308609  
Ion Ratio Lower Upper  
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130 33.0 12.7 52.7  
64 51.2 31.3 71.3

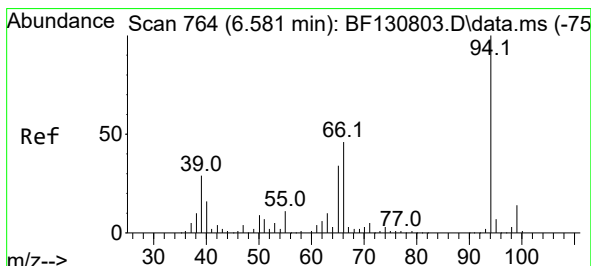
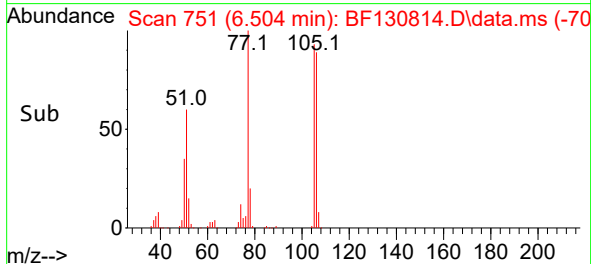
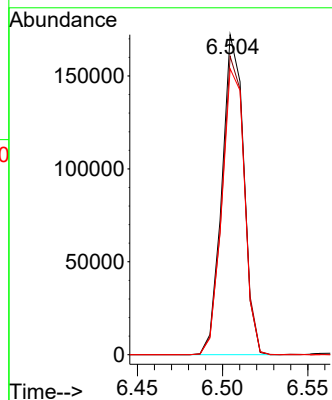
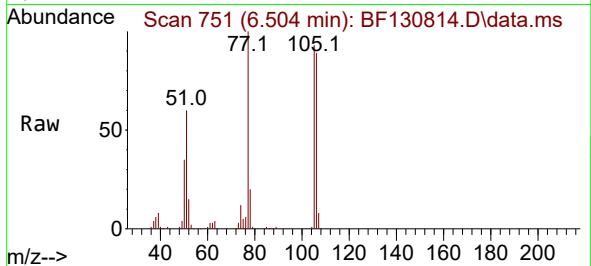




#9  
Benzaldehyde  
Concen: 33.685 ng  
RT: 6.504 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

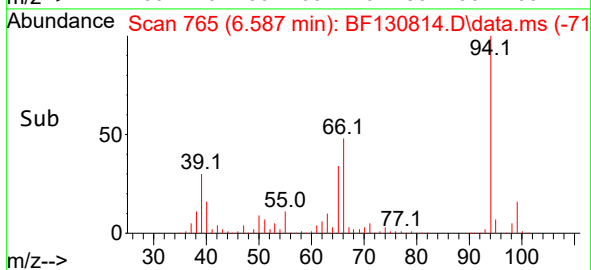
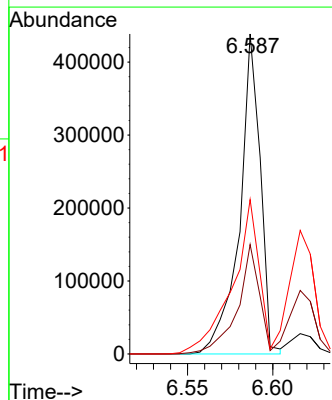
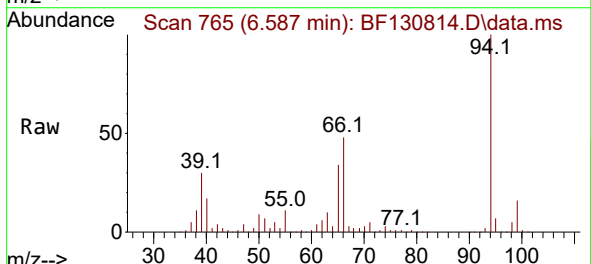
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

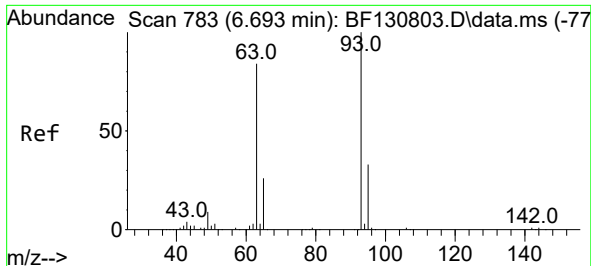
Tgt Ion: 77 Resp: 152925  
Ion Ratio Lower Upper  
77 100  
105 93.3 78.2 118.2  
106 89.3 76.6 116.6



#10  
Phenol  
Concen: 48.238 ng  
RT: 6.587 min Scan# 765  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion: 94 Resp: 368206  
Ion Ratio Lower Upper  
94 100  
65 34.2 13.7 53.7  
66 48.2 26.5 66.5





#11

bis(2-Chloroethyl)ether

Concen: 49.474 ng

RT: 6.693 min Scan# 783

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

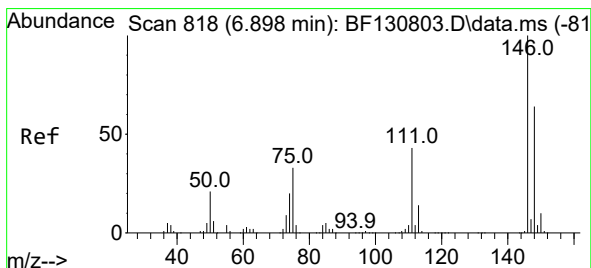
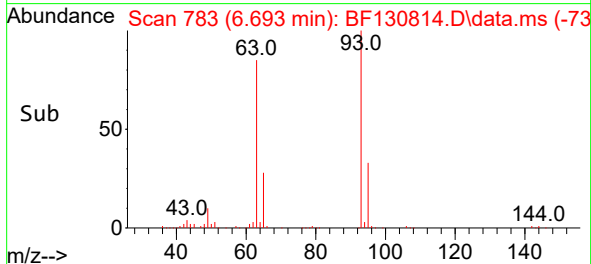
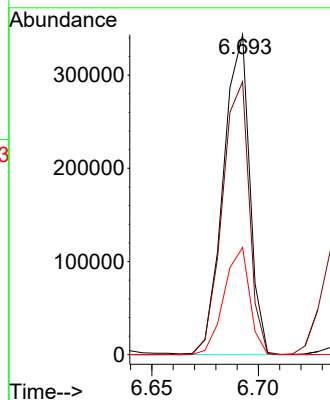
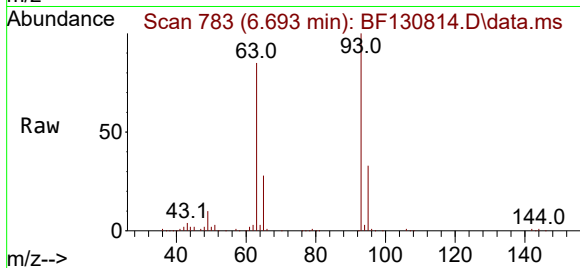
Tgt Ion: 93 Resp: 294385

Ion Ratio Lower Upper

93 100

63 85.3 63.4 103.4

95 33.5 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 47.261 ng

RT: 6.898 min Scan# 818

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

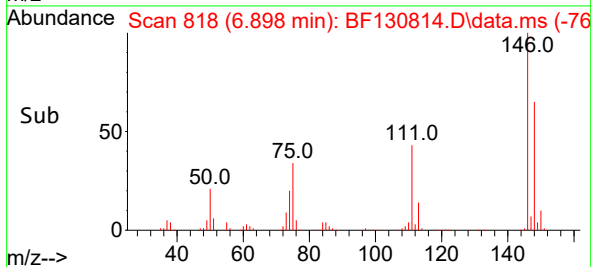
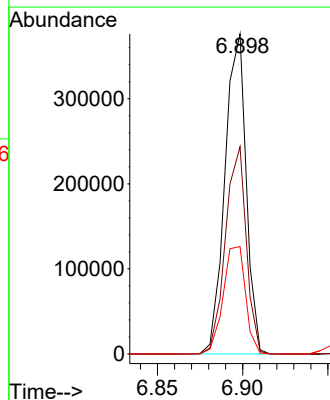
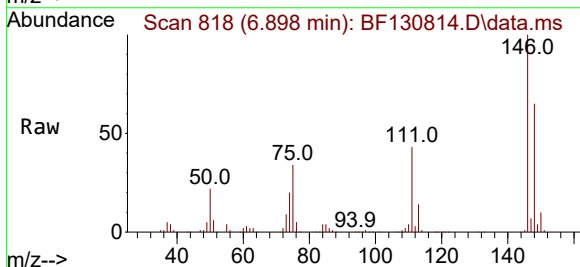
Tgt Ion:146 Resp: 325638

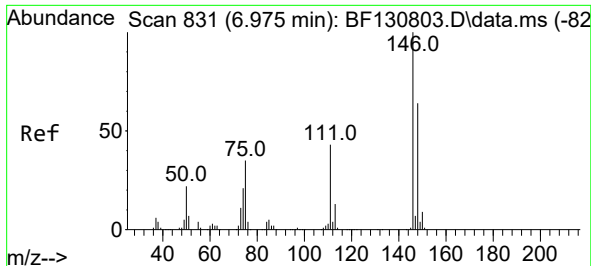
Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.0

75 33.6 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 46.965 ng

RT: 6.975 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

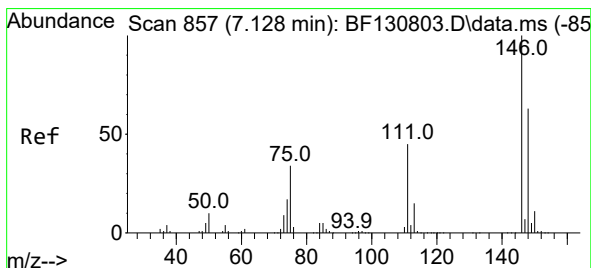
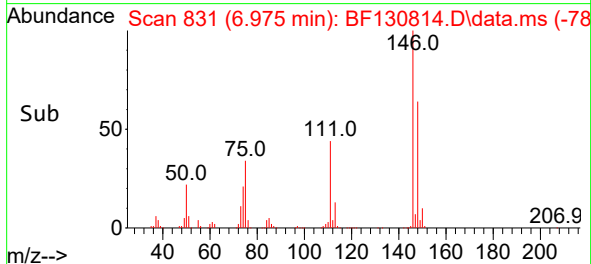
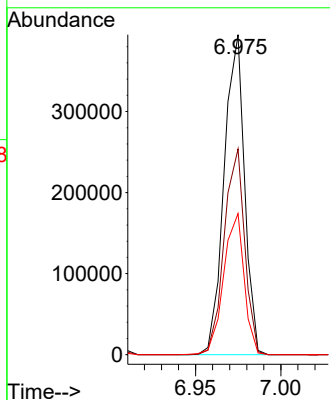
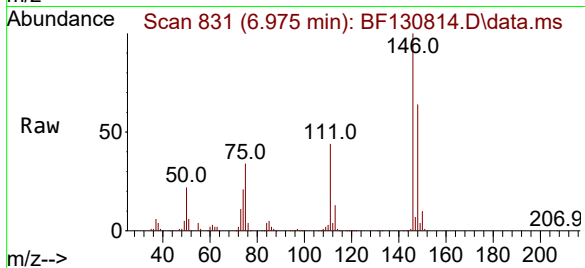
Tgt Ion:146 Resp: 328465

Ion Ratio Lower Upper

146 100

148 64.3 51.3 76.9

111 44.1 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 49.770 ng

RT: 7.122 min Scan# 856

Delta R.T. -0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

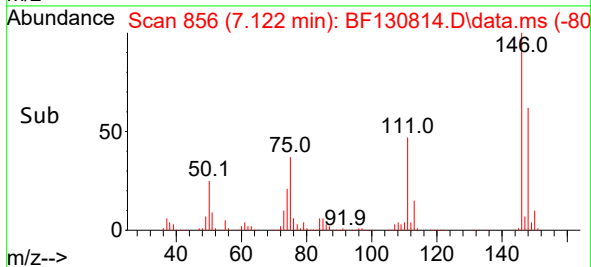
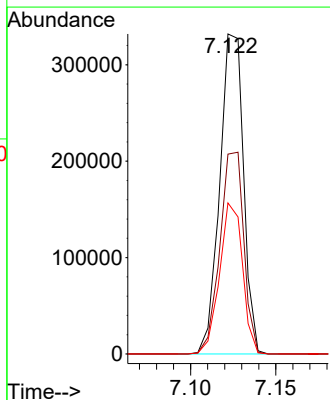
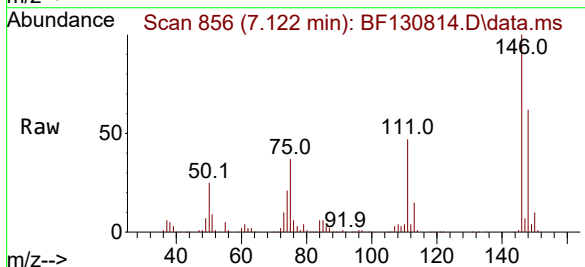
Tgt Ion:146 Resp: 322374

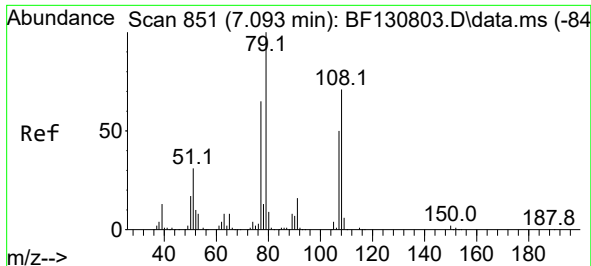
Ion Ratio Lower Upper

146 100

148 62.5 50.6 76.0

111 47.2 36.3 54.5

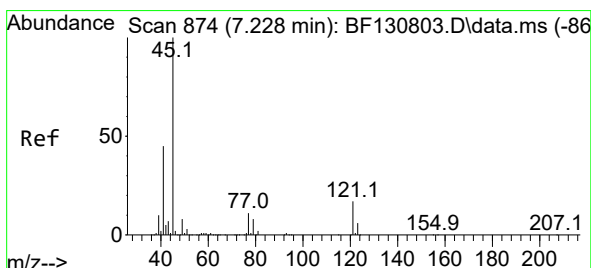
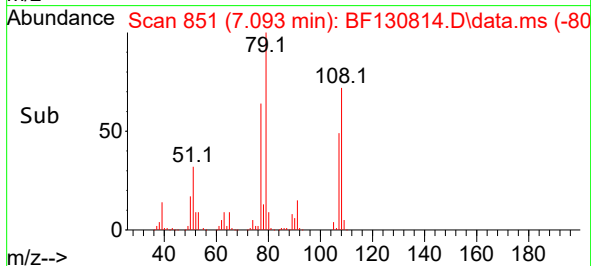
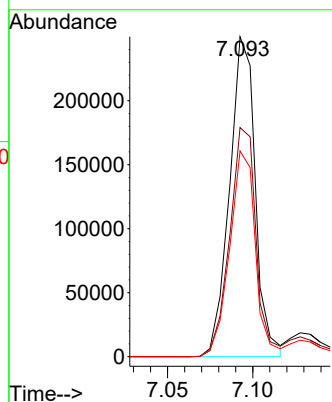
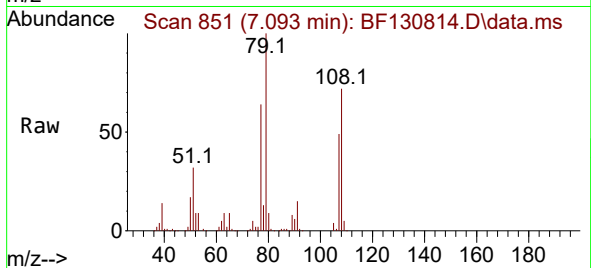




#15  
Benzyl Alcohol  
Concen: 43.578 ng  
RT: 7.093 min Scan# 851  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

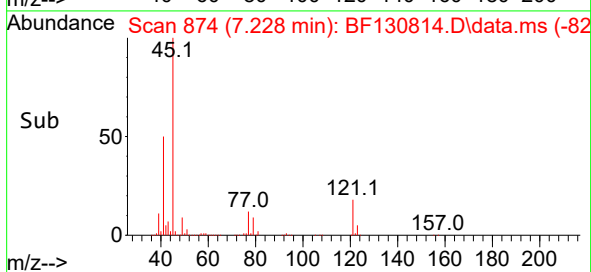
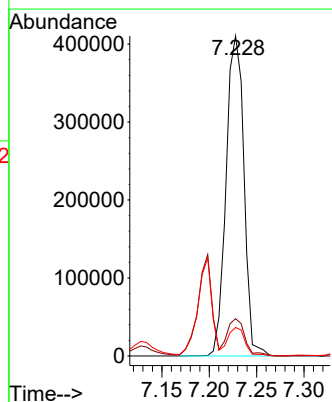
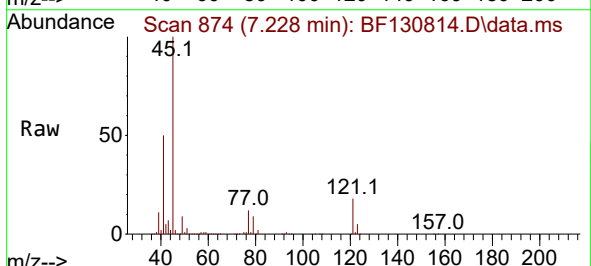
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

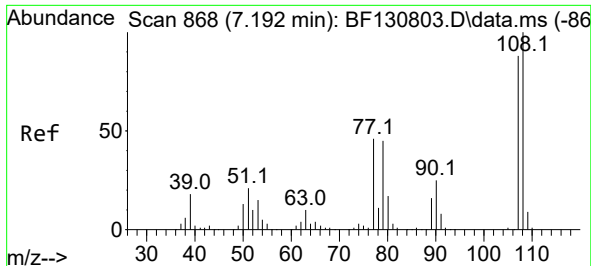
Tgt Ion: 79 Resp: 262835  
Ion Ratio Lower Upper  
79 100  
108 71.6 56.4 84.6  
77 64.3 51.8 77.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 50.708 ng  
RT: 7.228 min Scan# 874  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion: 45 Resp: 537827  
Ion Ratio Lower Upper  
45 100  
77 11.6 0.0 31.2  
79 8.9 0.0 28.4

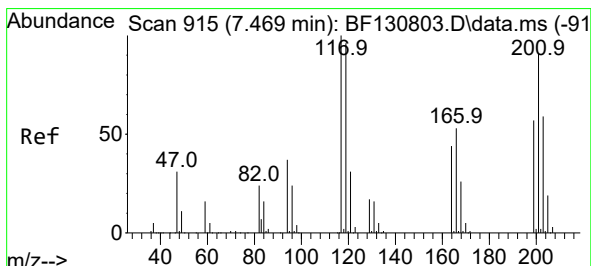
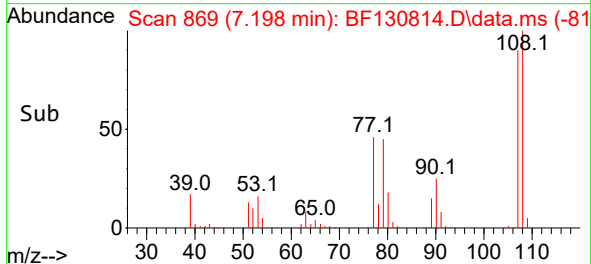
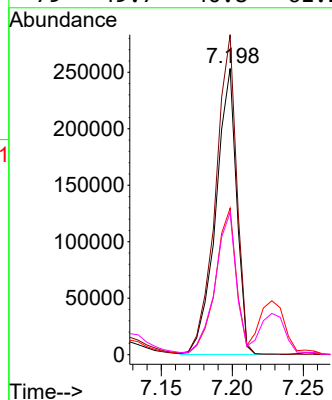
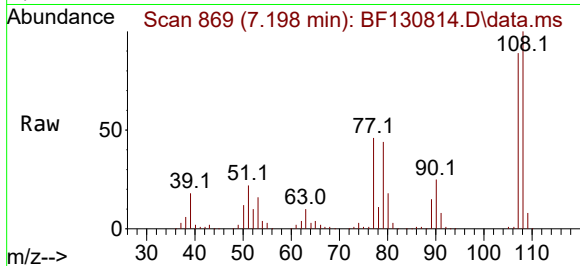




#17  
2-Methylphenol  
Concen: 49.596 ng  
RT: 7.198 min Scan# 868  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

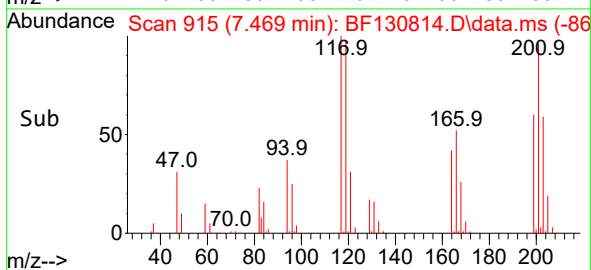
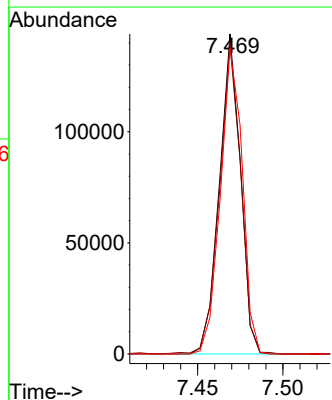
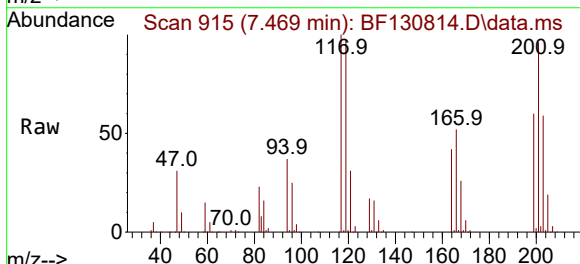
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

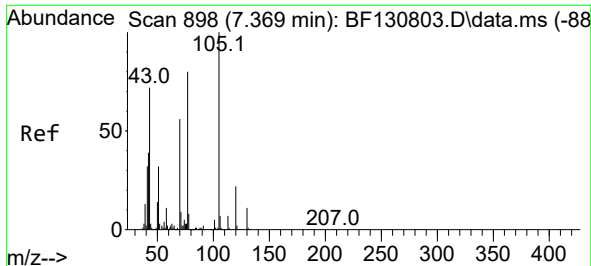
Tgt Ion:107 Resp: 257756  
Ion Ratio Lower Upper  
107 100  
108 111.8 90.5 135.7  
77 51.2 41.2 61.8  
79 49.7 40.8 61.2



#18  
Hexachloroethane  
Concen: 48.908 ng  
RT: 7.469 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:117 Resp: 123624  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.1 115.7  
201 95.5 72.9 109.3



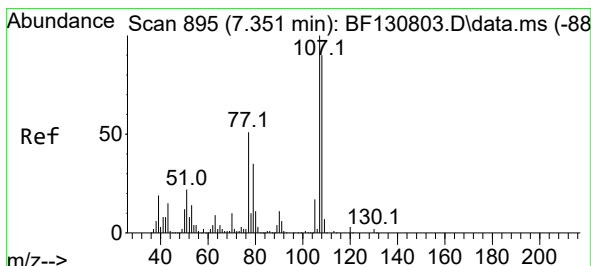
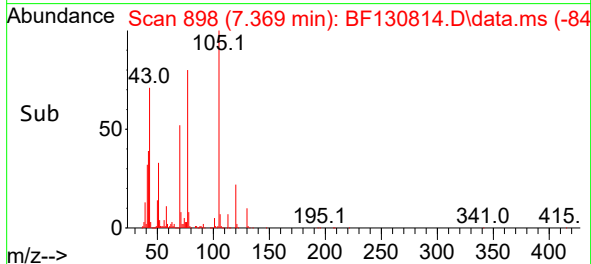
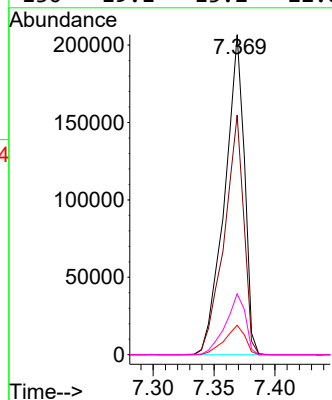
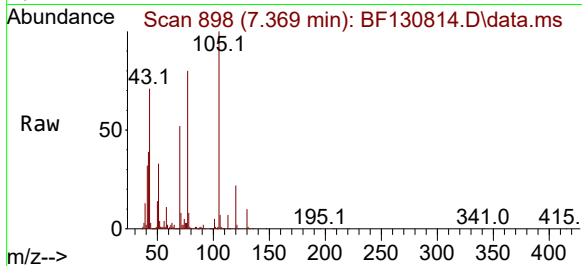


#19  
n-Nitroso-di-n-propylamine  
Concen: 48.276 ng  
RT: 7.369 min Scan# 898  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

Tgt Ion: 70 Resp: 232984

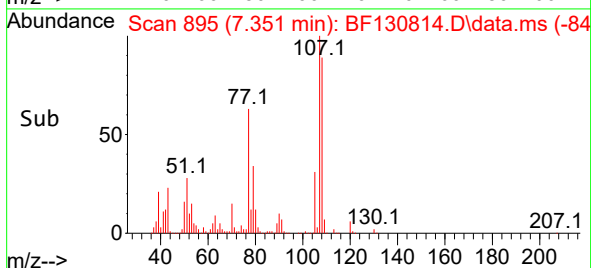
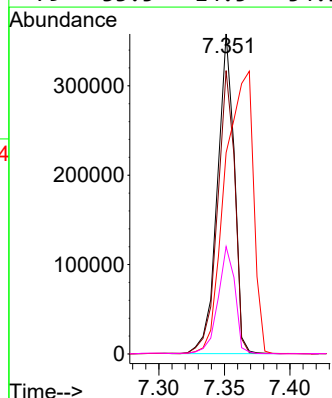
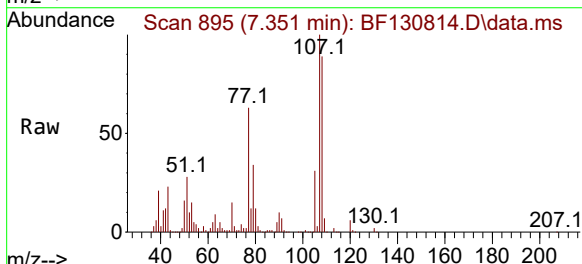
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 74.9  | 56.1  | 84.1  |
| 101 | 9.2   | 7.3   | 10.9  |
| 130 | 19.1  | 15.2  | 22.8  |

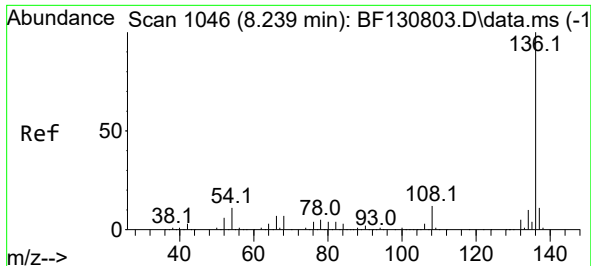


#20  
3+4-Methylphenols  
Concen: 47.378 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion: 107 Resp: 320143

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 88.5  | 70.4  | 110.4 |
| 77  | 62.9  | 31.1  | 71.1  |
| 79  | 33.5  | 14.5  | 54.5  |





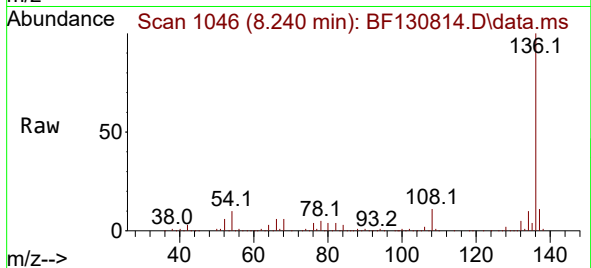
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.240 min Scan# 1046  
Delta R.T. 0.001 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Instrument :

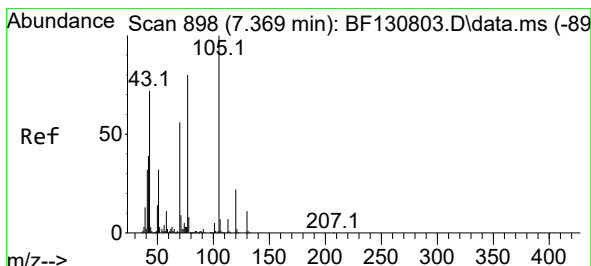
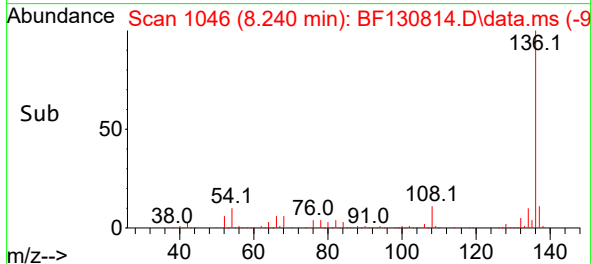
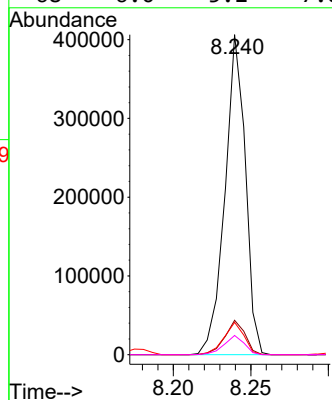
BNA\_F

ClientSampleId :

PB148514BS

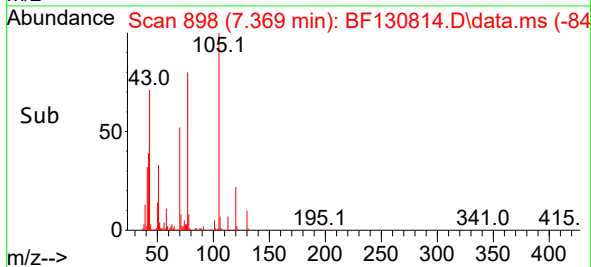
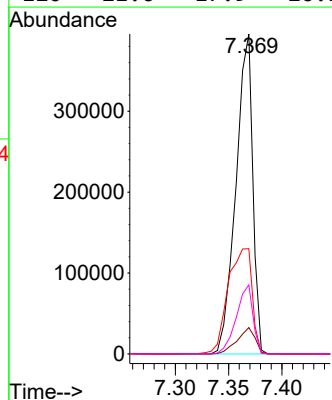
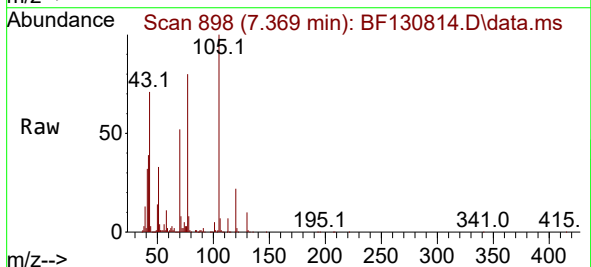


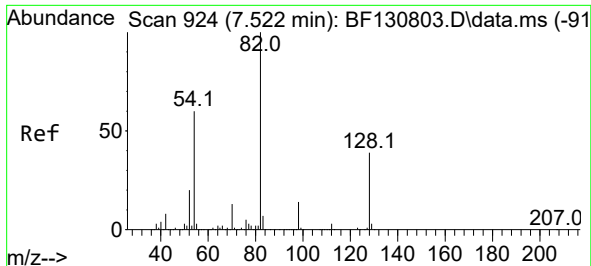
Tgt Ion:136 Resp: 372091  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.2 13.8  
54 10.1 8.8 13.2  
68 6.0 5.2 7.8



#22  
Acetophenone  
Concen: 48.354 ng  
RT: 7.369 min Scan# 898  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:105 Resp: 436227  
Ion Ratio Lower Upper  
105 100  
71 8.2 7.2 10.8  
51 32.9 25.9 38.9  
120 21.6 17.9 26.9





#23

Nitrobenzene-d5

Concen: 105.817 ng

RT: 7.522 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

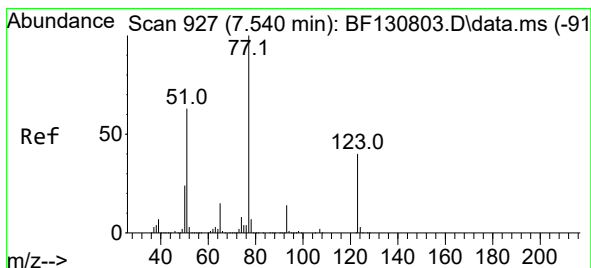
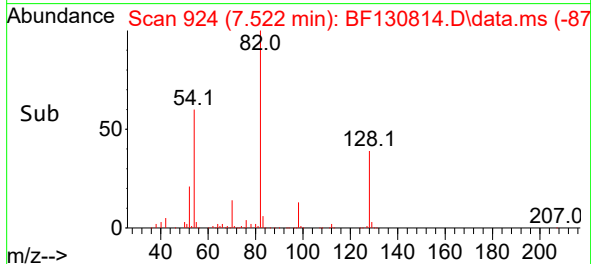
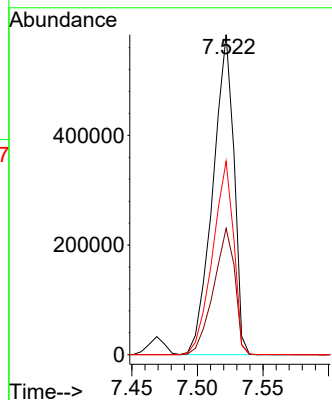
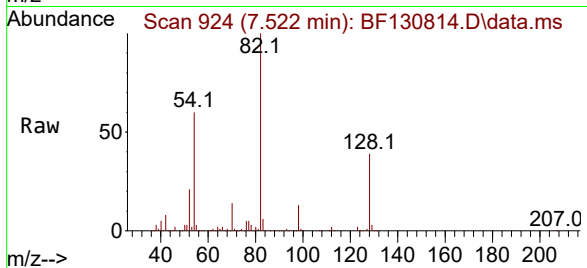
Tgt Ion: 82 Resp: 652971

Ion Ratio Lower Upper

82 100

128 39.5 31.2 46.8

54 60.5 48.0 72.0



#24

Nitrobenzene

Concen: 51.137 ng

RT: 7.540 min Scan# 927

Delta R.T. -0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

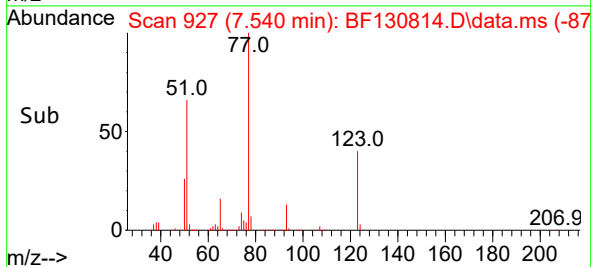
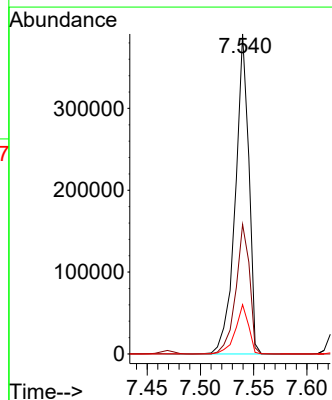
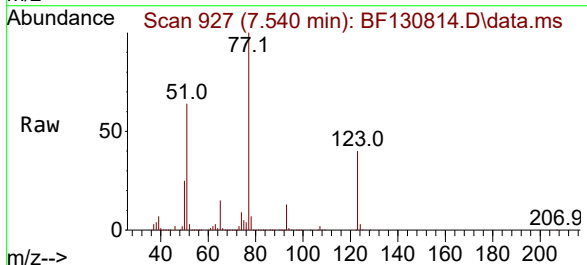
Tgt Ion: 77 Resp: 345051

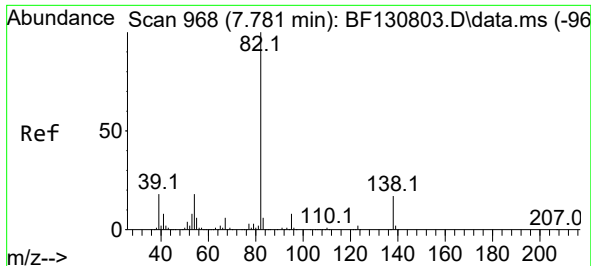
Ion Ratio Lower Upper

77 100

123 40.5 32.2 48.2

65 15.4 12.0 18.0

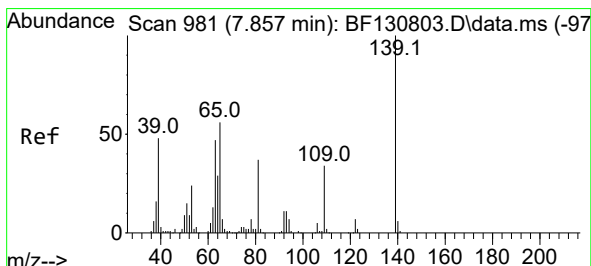
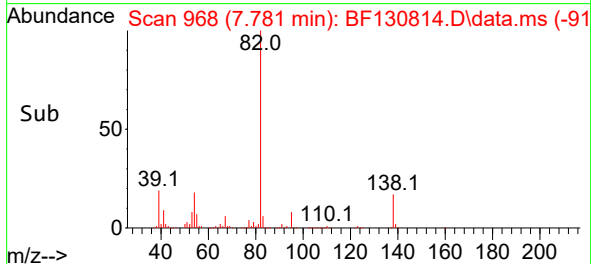
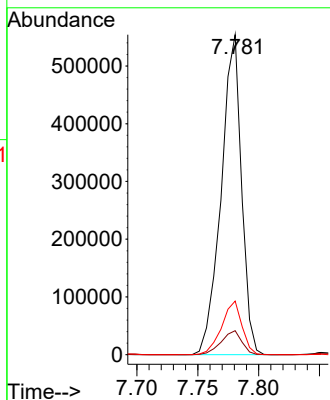
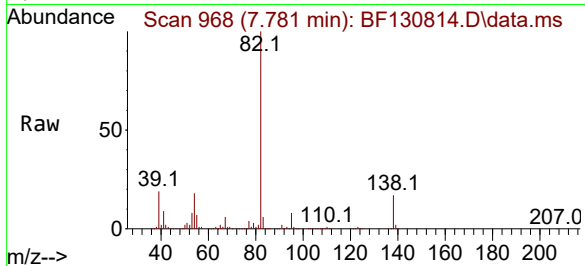




#25  
Isophorone  
Concen: 50.608 ng  
RT: 7.781 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

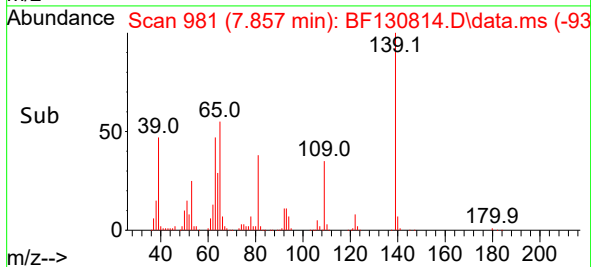
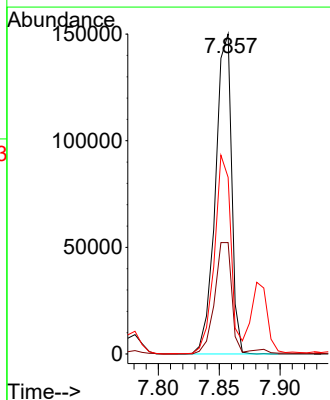
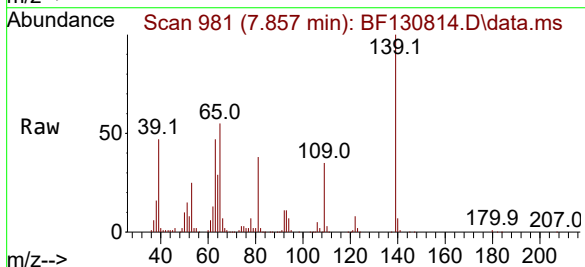
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

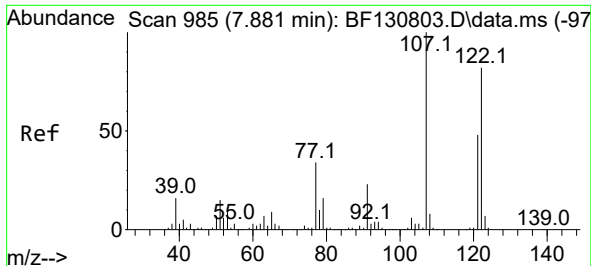
Tgt Ion: 82 Resp: 643986  
Ion Ratio Lower Upper  
82 100  
95 7.5 6.2 9.4  
138 16.7 13.8 20.6



#26  
2-Nitrophenol  
Concen: 51.831 ng  
RT: 7.857 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion: 139 Resp: 138838  
Ion Ratio Lower Upper  
139 100  
109 34.8 27.3 40.9  
65 55.2 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 54.851 ng

RT: 7.887 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

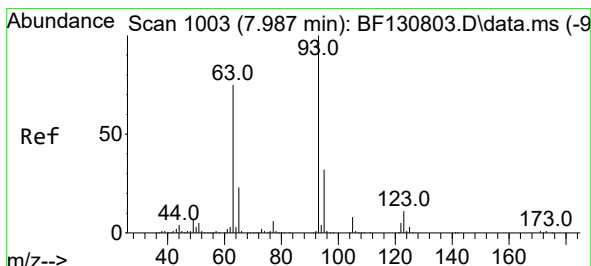
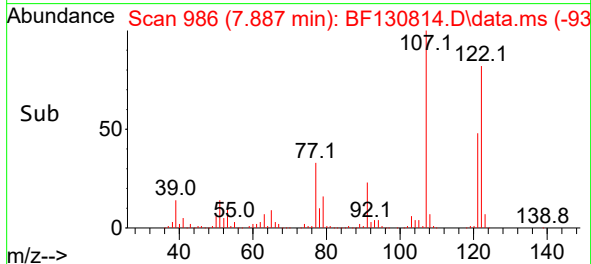
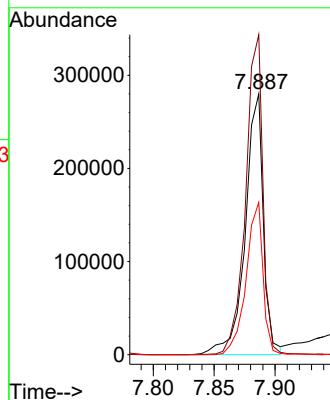
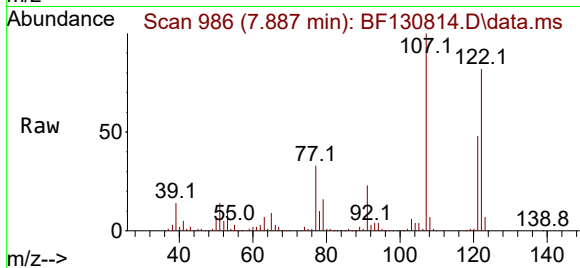
Tgt Ion:122 Resp: 290483

Ion Ratio Lower Upper

122 100

107 122.7 97.1 145.7

121 58.4 46.9 70.3



#28

bis(2-Chloroethoxy)methane

Concen: 52.432 ng

RT: 7.987 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

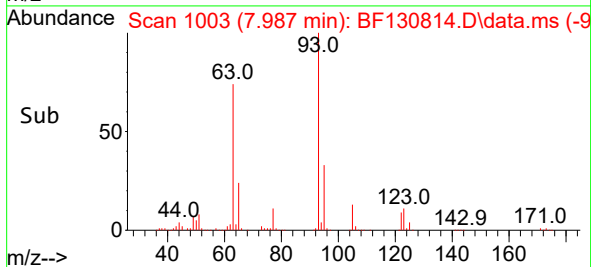
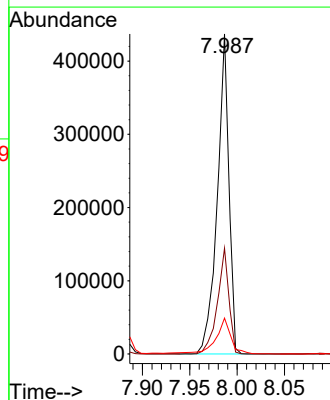
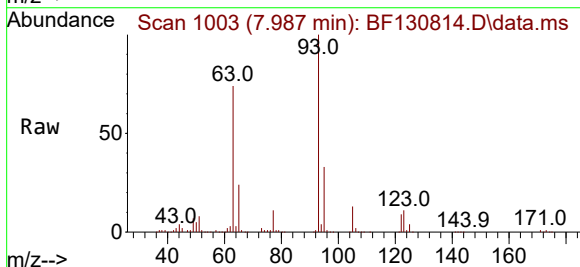
Tgt Ion: 93 Resp: 372620

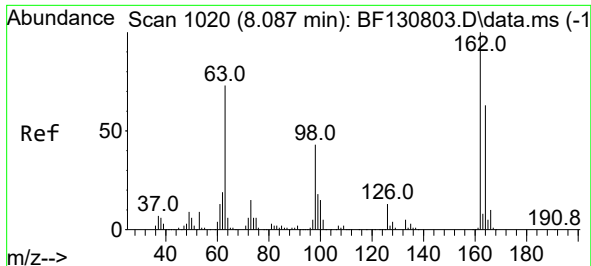
Ion Ratio Lower Upper

93 100

95 33.0 25.7 38.5

123 11.2 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 48.515 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

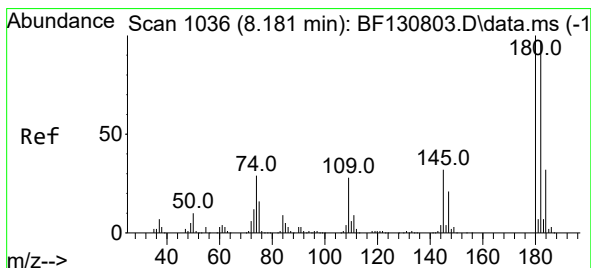
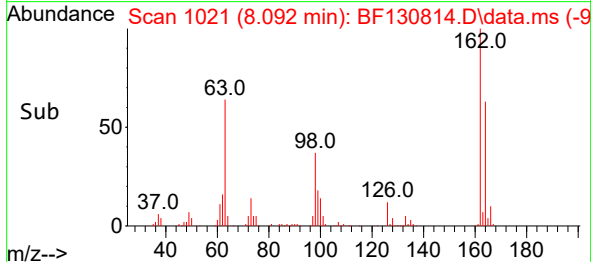
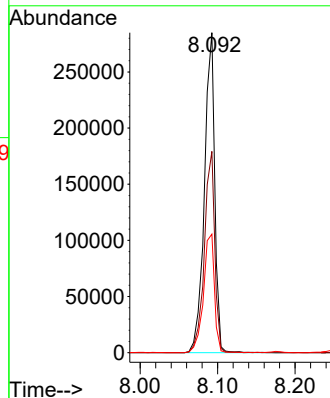
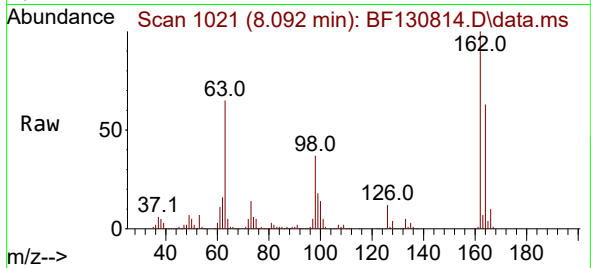
Tgt Ion:162 Resp: 264305

Ion Ratio Lower Upper

162 100

164 62.9 43.2 83.2

98 37.0 22.8 62.8



#30

1,2,4-Trichlorobenzene

Concen: 45.152 ng

RT: 8.181 min Scan# 1036

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

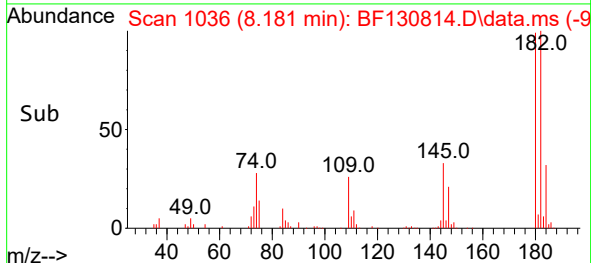
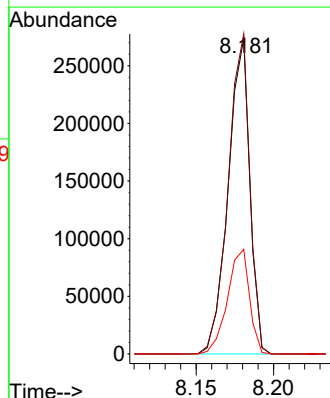
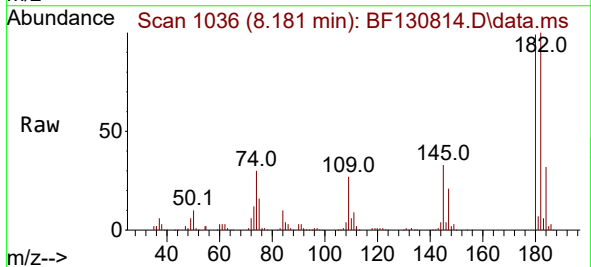
Tgt Ion:180 Resp: 264512

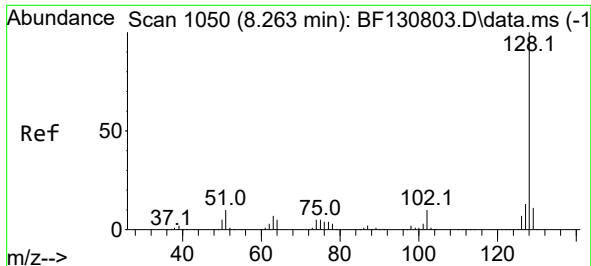
Ion Ratio Lower Upper

180 100

182 101.4 77.7 116.5

145 33.2 25.9 38.9

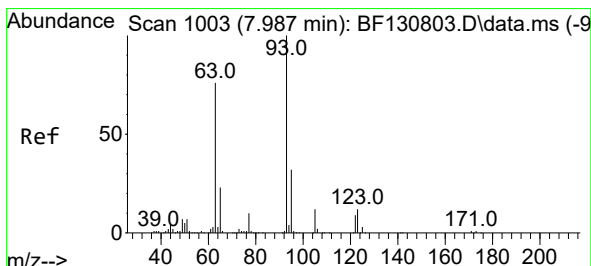
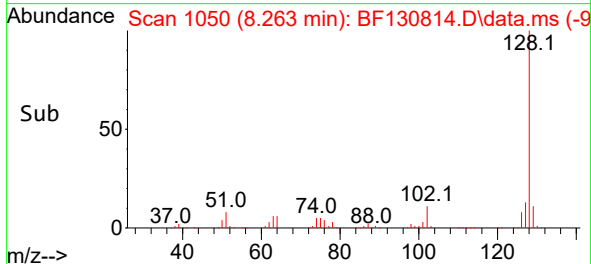
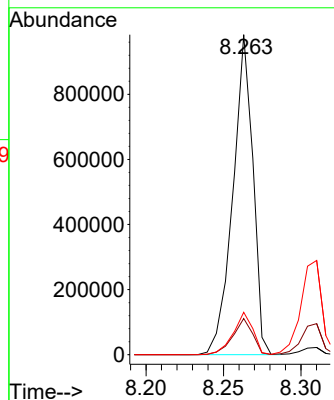
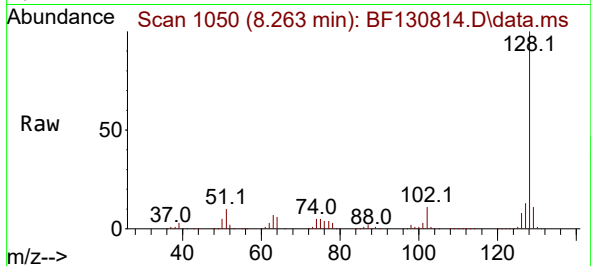




#31  
Naphthalene  
Concen: 45.488 ng  
RT: 8.263 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

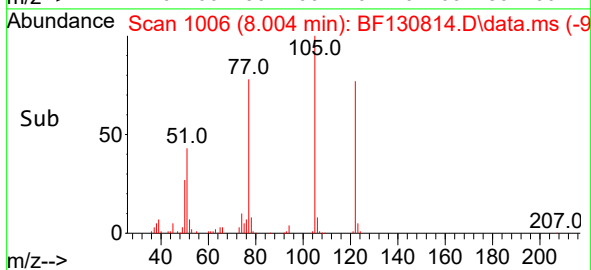
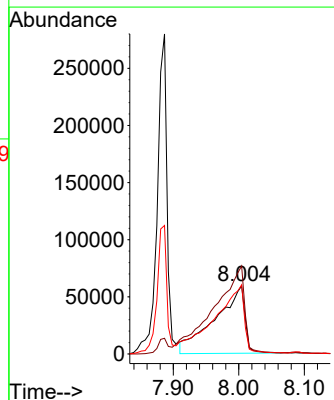
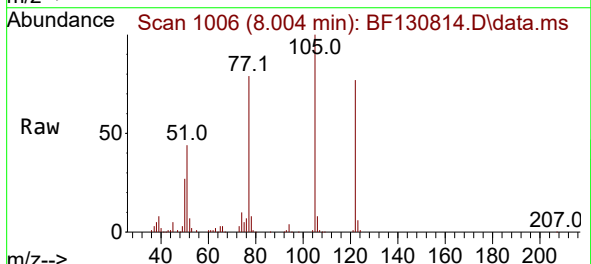
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

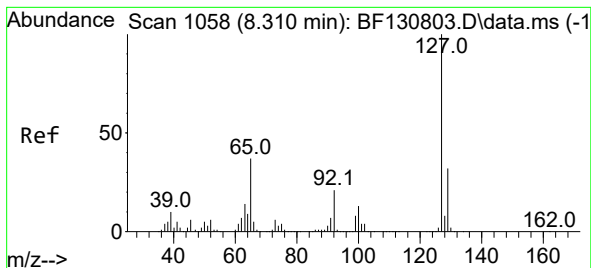
Tgt Ion:128 Resp: 883072  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 49.082 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. 0.017 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:122 Resp: 185511  
Ion Ratio Lower Upper  
122 100  
105 129.4 114.5 154.5  
77 101.6 89.8 129.8





#33

4-Chloroaniline

Concen: 35.857 ng

RT: 8.310 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

Tgt Ion:127 Resp: 275067

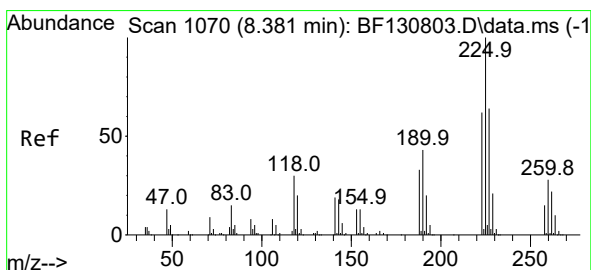
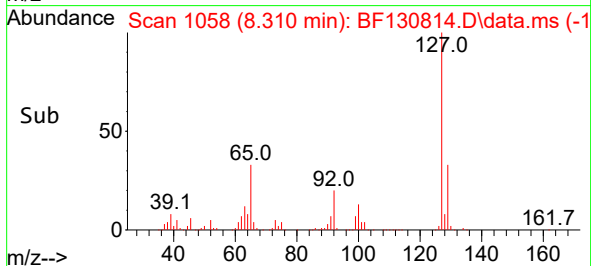
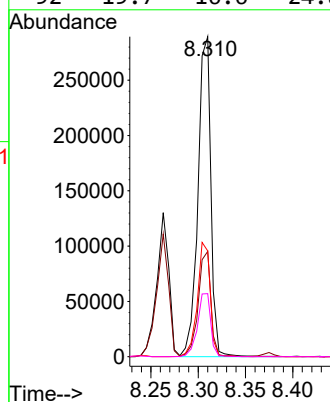
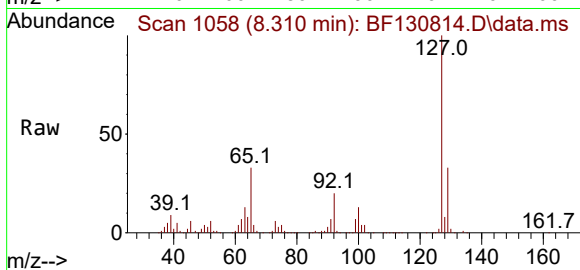
Ion Ratio Lower Upper

127 100

129 32.9 25.6 38.4

65 33.1 29.4 44.2

92 19.7 16.6 24.8



#34

Hexachlorobutadiene

Concen: 46.744 ng

RT: 8.375 min Scan# 1069

Delta R.T. -0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

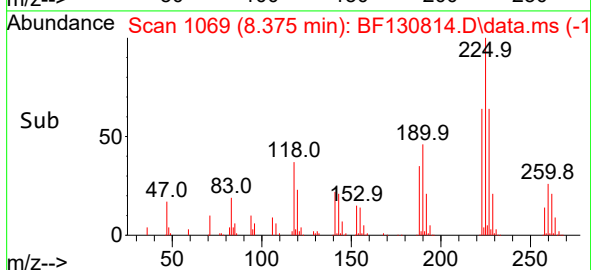
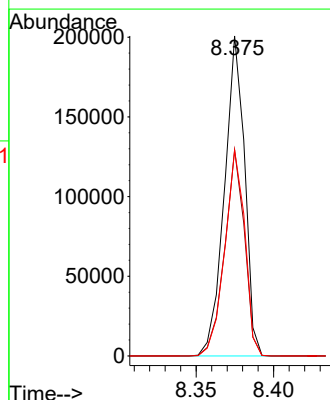
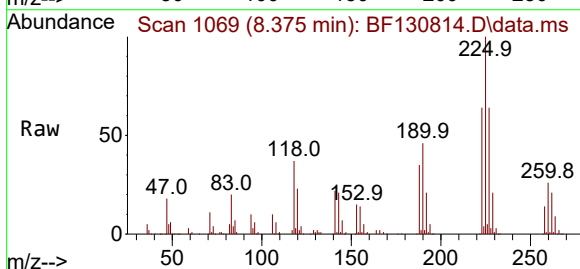
Tgt Ion:225 Resp: 181780

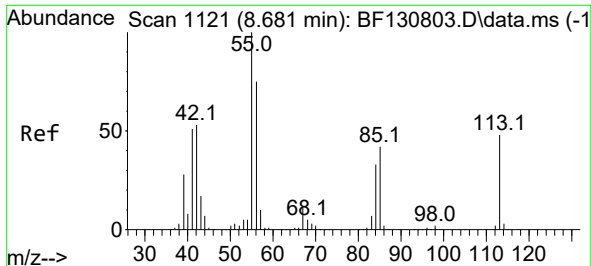
Ion Ratio Lower Upper

225 100

223 64.4 49.9 74.9

227 64.3 51.5 77.3

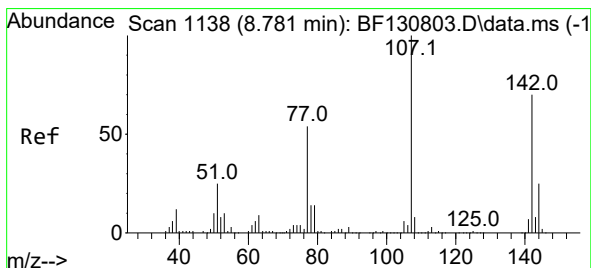
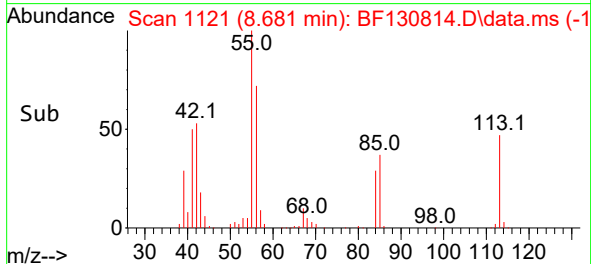
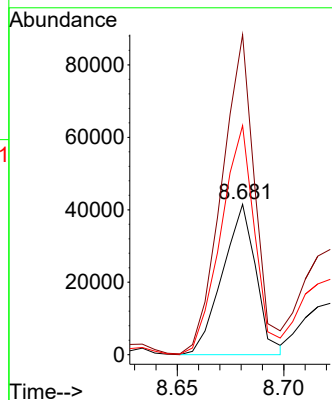
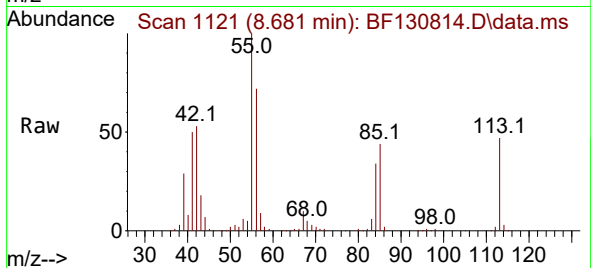




#35  
 Caprolactam  
 Concen: 26.051 ng  
 RT: 8.681 min Scan# 1121  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

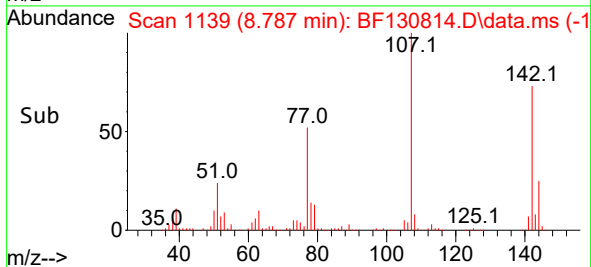
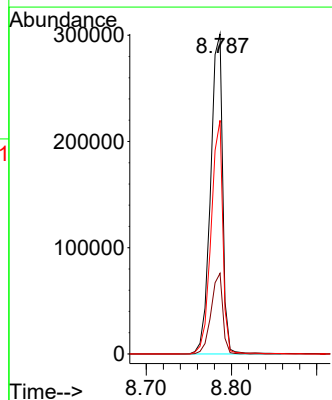
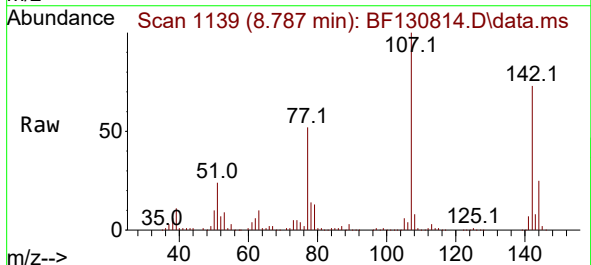
Instrument :  
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 ClientSampleId :  
 PB148514BS

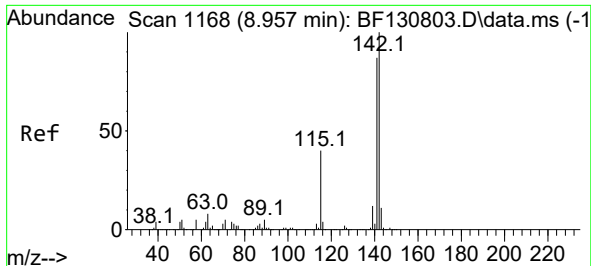
Tgt Ion:113 Resp: 45481  
 Ion Ratio Lower Upper  
 113 100  
 55 212.9 187.0 227.0  
 56 152.4 134.2 174.2



#36  
 4-Chloro-3-methylphenol  
 Concen: 50.325 ng  
 RT: 8.787 min Scan# 1139  
 Delta R.T. 0.006 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

Tgt Ion:107 Resp: 297391  
 Ion Ratio Lower Upper  
 107 100  
 144 25.2 19.8 29.8  
 142 73.0 56.0 84.0

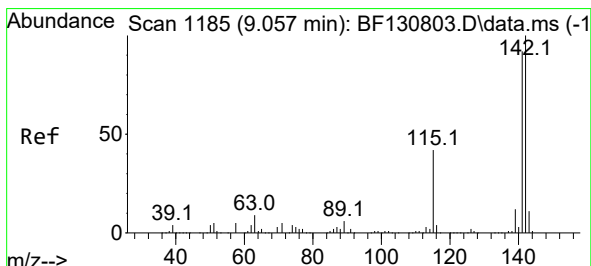
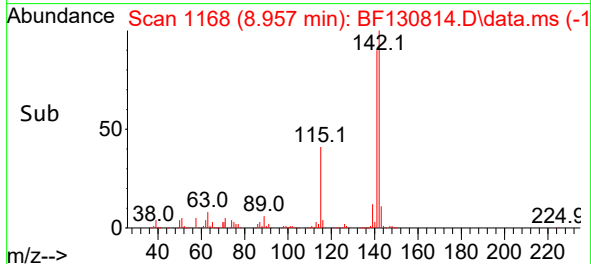
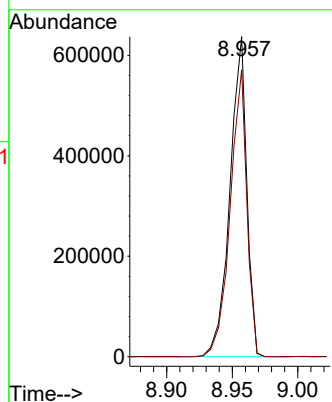
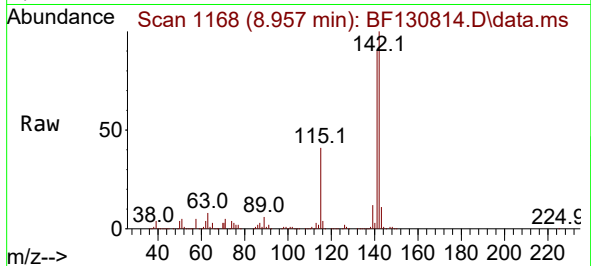




#37  
2-Methylnaphthalene  
Concen: 46.653 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

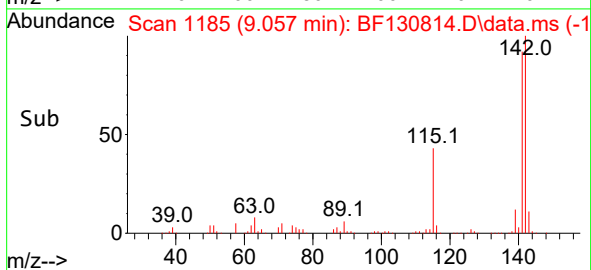
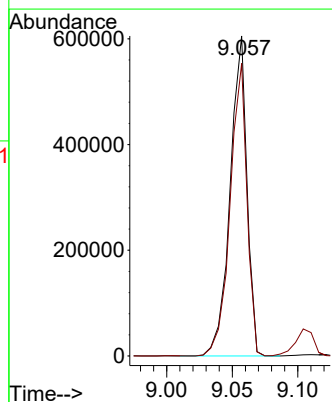
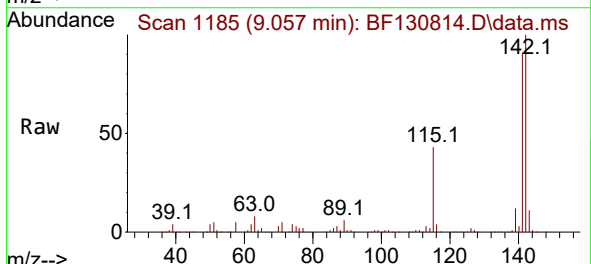
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

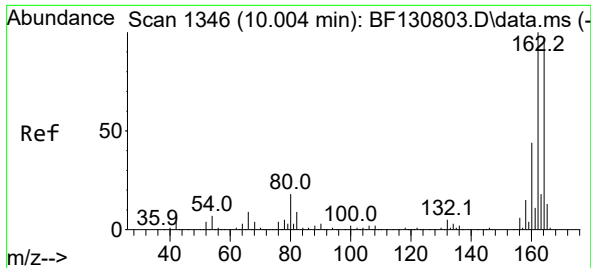
Tgt Ion:142 Resp: 569697  
Ion Ratio Lower Upper  
142 100  
141 89.7 69.9 104.9



#38  
1-Methylnaphthalene  
Concen: 45.467 ng  
RT: 9.057 min Scan# 1185  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:142 Resp: 540321  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.5 110.3

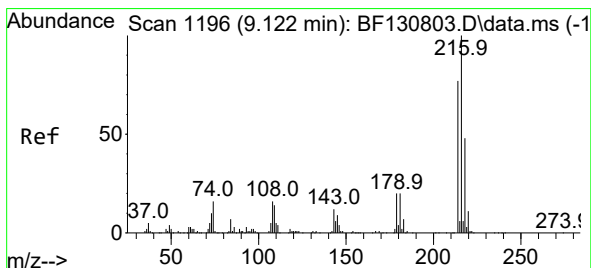
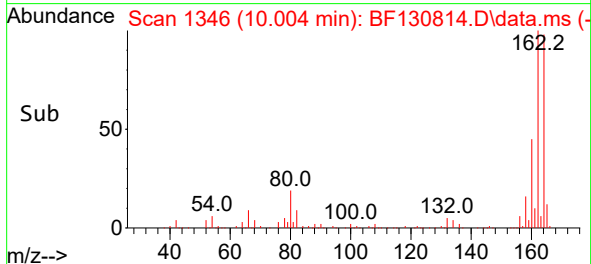
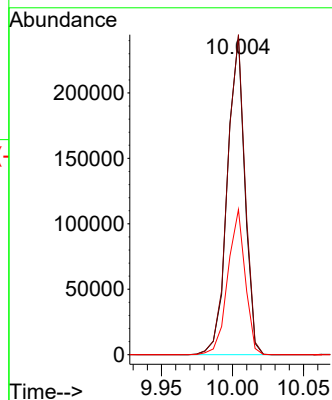
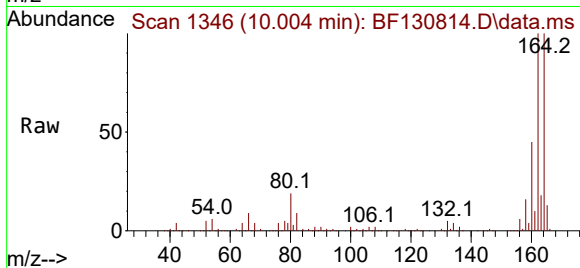




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.004 min Scan# 1196  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

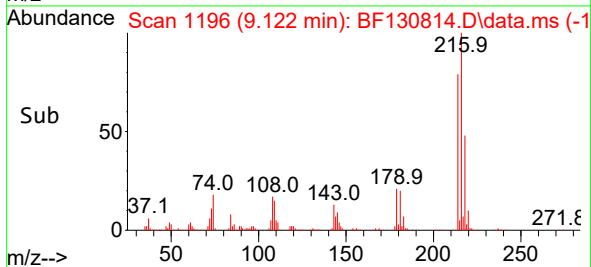
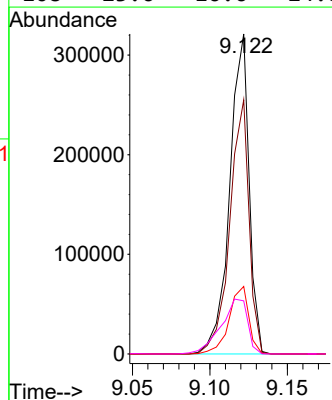
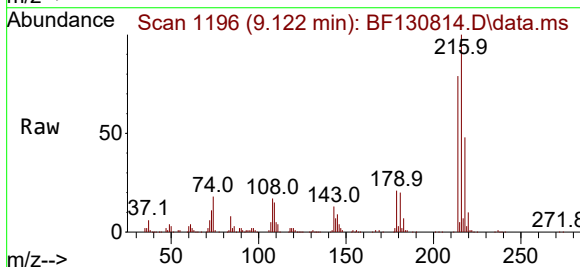
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BNA\_F  
ClientSampleId :  
PB148514BS

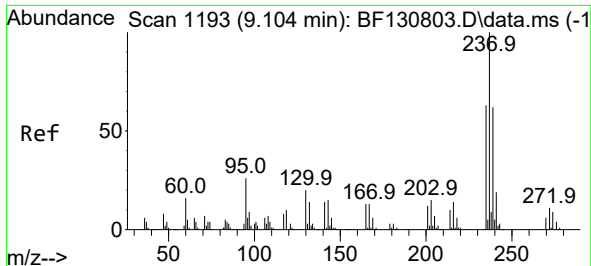
Tgt Ion:164 Resp: 206932  
Ion Ratio Lower Upper  
164 100  
162 100.5 82.2 123.2  
160 45.6 36.6 54.8



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.618 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:216 Resp: 279430  
Ion Ratio Lower Upper  
216 100  
214 78.5 62.7 94.1  
179 21.5 16.9 25.3  
108 23.6 16.6 24.8

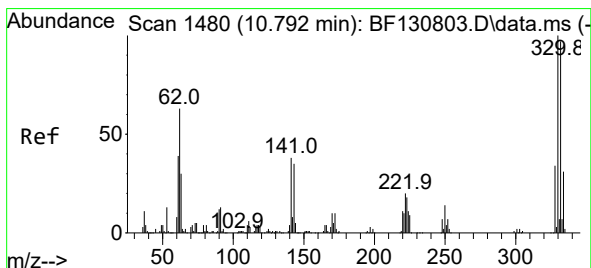
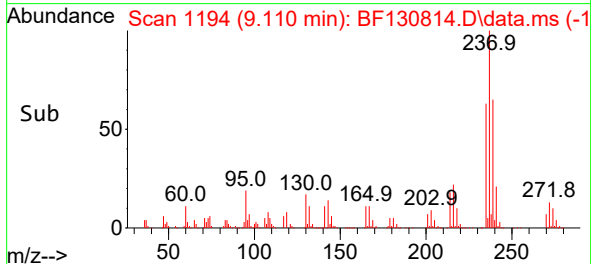
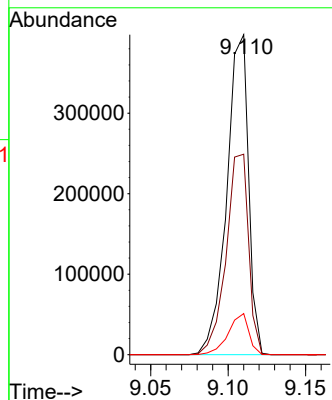
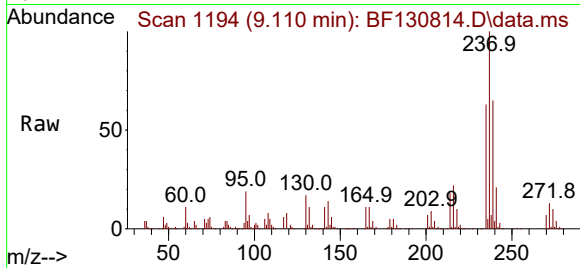




#41  
Hexachlorocyclopentadiene  
Concen: 126.215 ng  
RT: 9.110 min Scan# 1193  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

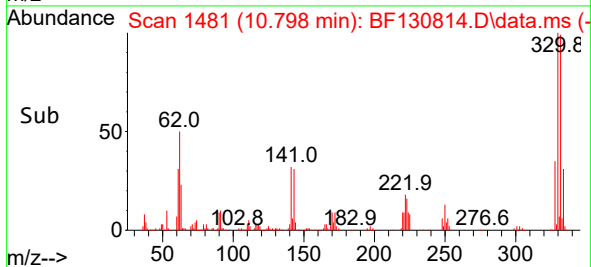
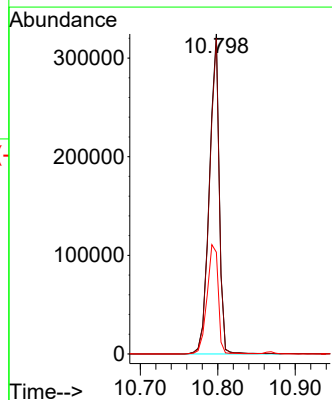
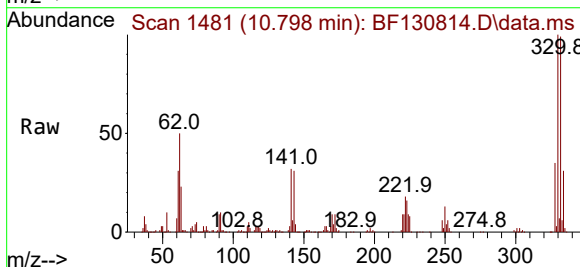
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BNA\_F  
ClientSampleId :  
PB148514BS

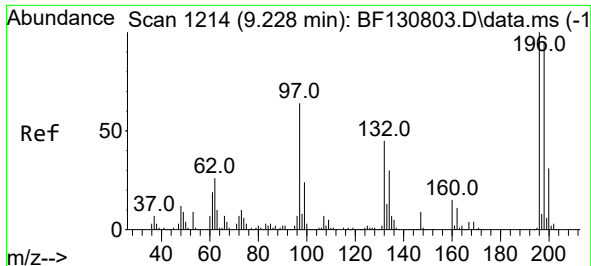
Tgt Ion:237 Resp: 389161  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.5 83.5  
272 12.9 0.0 31.4



#42  
2,4,6-Tribromophenol  
Concen: 164.362 ng  
RT: 10.798 min Scan# 1481  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:330 Resp: 286311  
Ion Ratio Lower Upper  
330 100  
332 98.2 76.2 114.4  
141 38.7 31.4 47.0

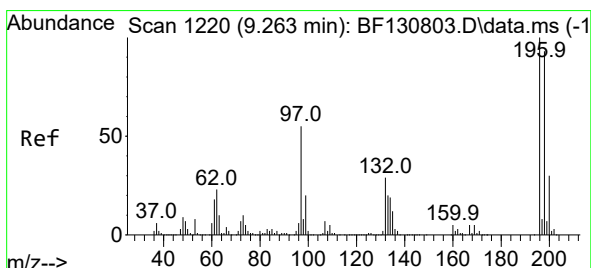
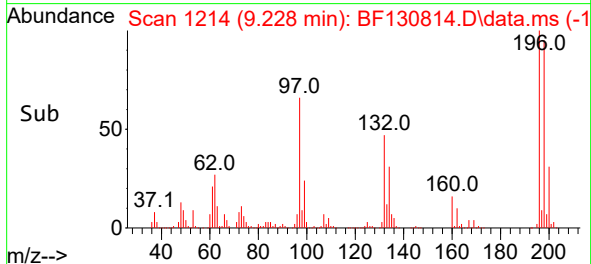
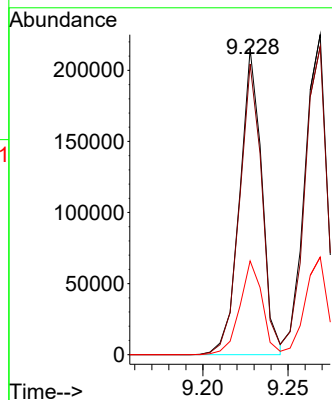
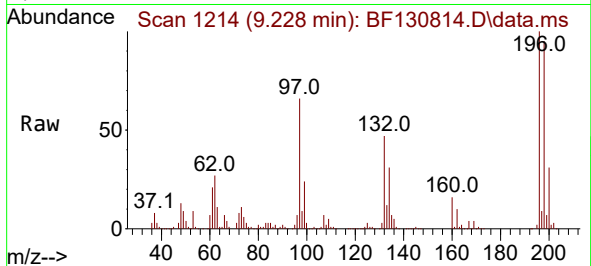




#43  
 2,4,6-Trichlorophenol  
 Concen: 47.664 ng  
 RT: 9.228 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

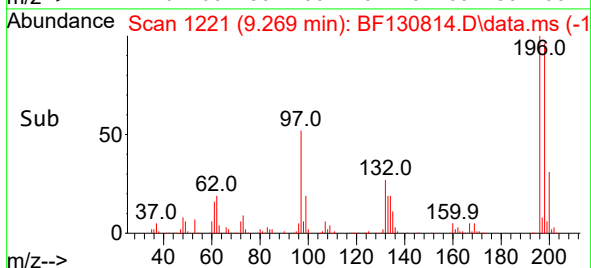
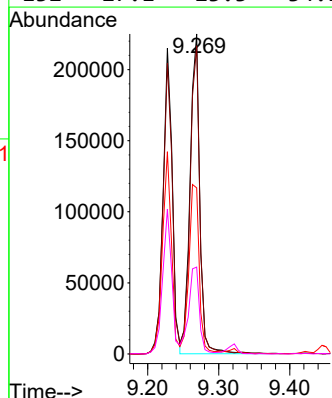
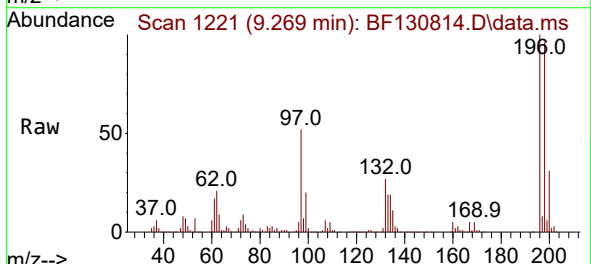
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148514BS

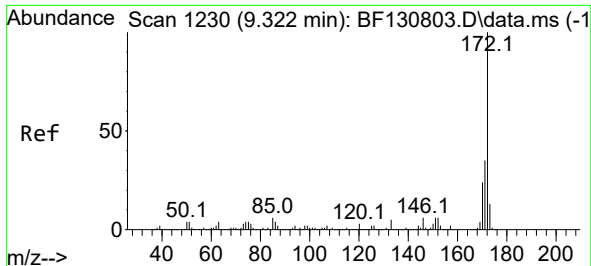
Tgt Ion:196 Resp: 194356  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 76.1 114.1  
 200 30.7 24.5 36.7



#44  
 2,4,5-Trichlorophenol  
 Concen: 49.005 ng  
 RT: 9.269 min Scan# 1221  
 Delta R.T. 0.006 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

Tgt Ion:196 Resp: 213490  
 Ion Ratio Lower Upper  
 196 100  
 198 96.3 74.6 112.0  
 97 51.9 44.7 67.1  
 132 27.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 89.574 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

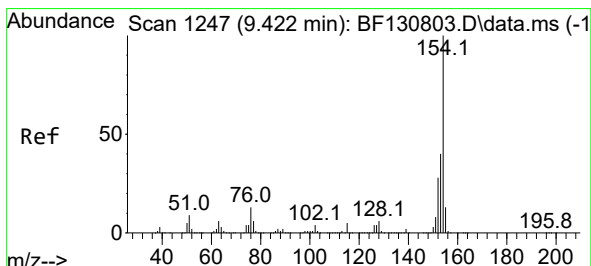
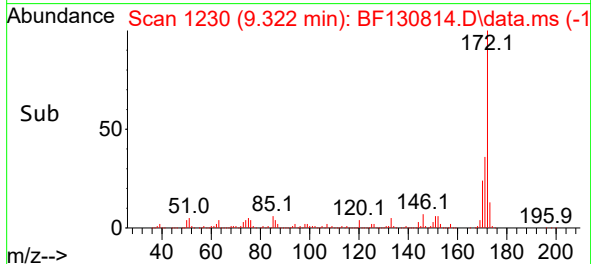
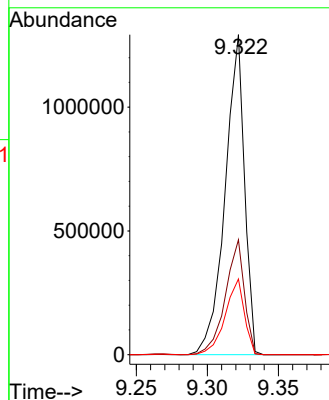
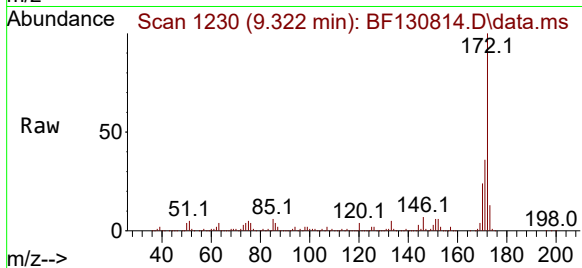
Tgt Ion:172 Resp: 1226005

Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 23.7 19.0 28.4



#46

1,1'-Biphenyl

Concen: 48.415 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

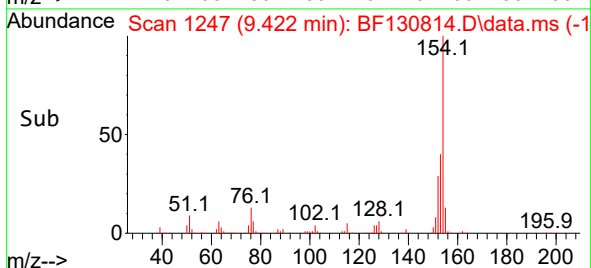
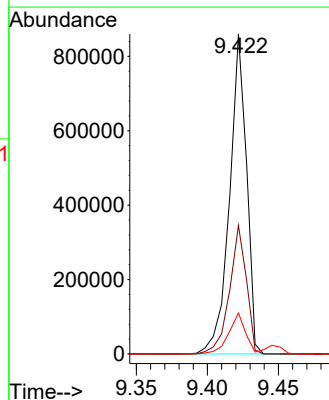
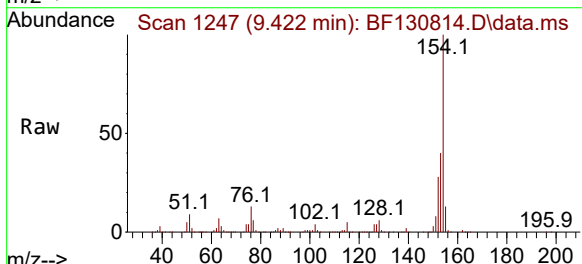
Tgt Ion:154 Resp: 713784

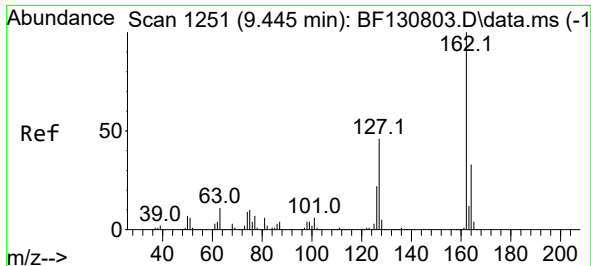
Ion Ratio Lower Upper

154 100

153 40.2 19.9 59.9

76 12.8 0.0 32.5





#47

2-Chloronaphthalene

Concen: 46.838 ng

RT: 9.445 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

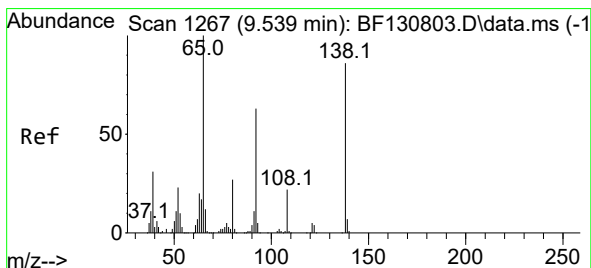
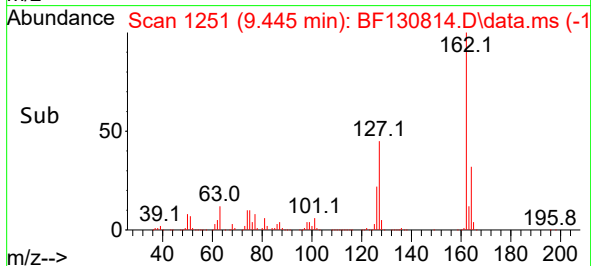
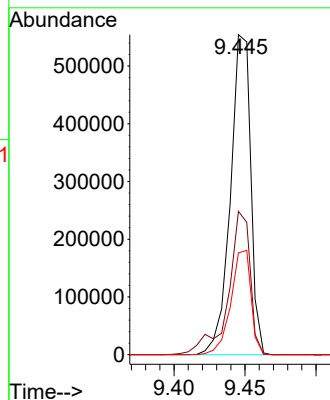
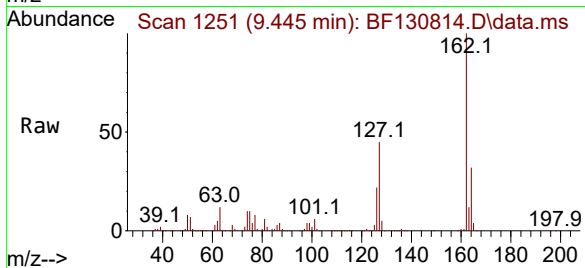
Tgt Ion:162 Resp: 553703

Ion Ratio Lower Upper

162 100

127 44.8 36.6 54.8

164 31.8 26.5 39.7



#48

2-Nitroaniline

Concen: 50.701 ng

RT: 9.539 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

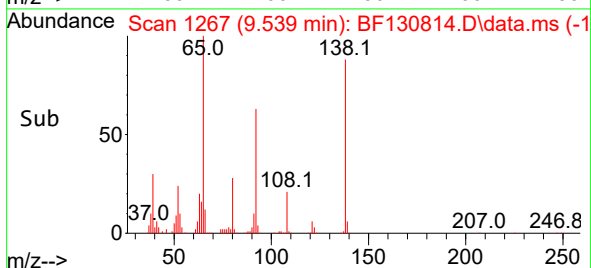
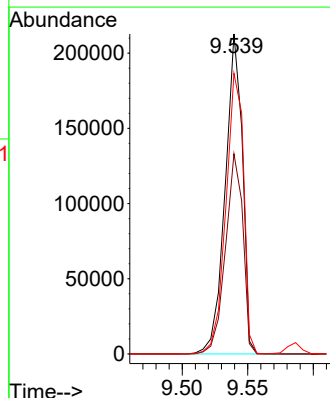
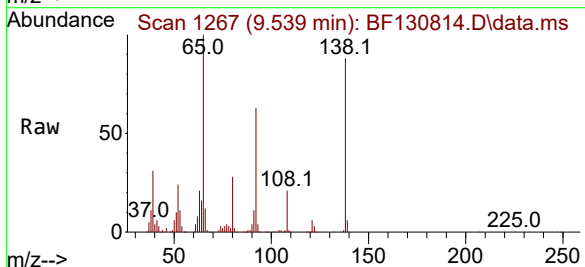
Tgt Ion: 65 Resp: 193701

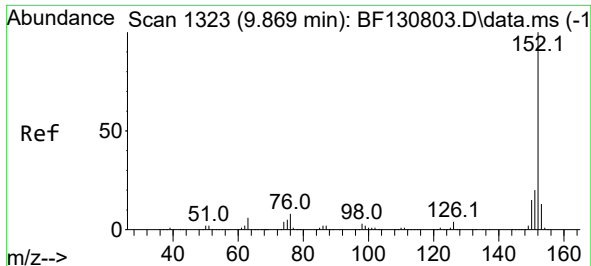
Ion Ratio Lower Upper

65 100

92 62.6 50.1 75.1

138 87.7 69.2 103.8





#49

Acenaphthylene

Concen: 47.446 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

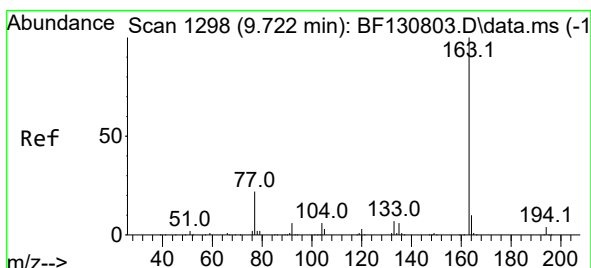
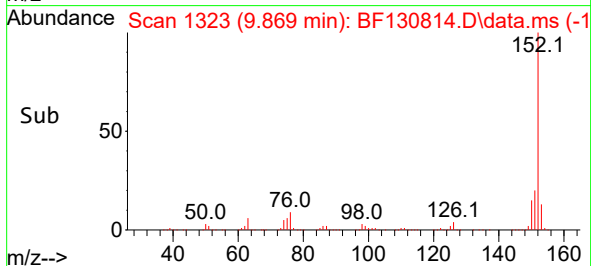
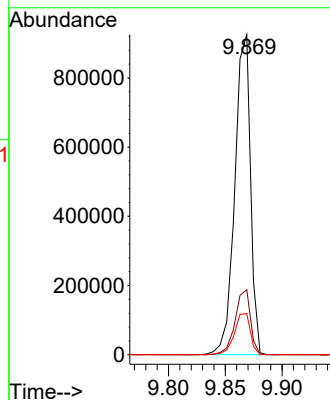
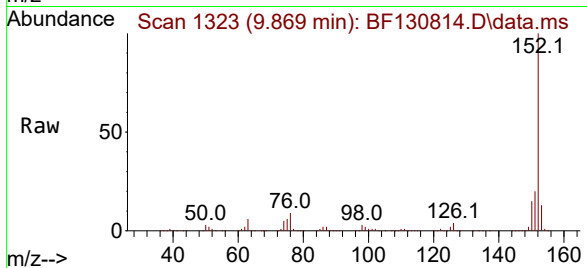
Tgt Ion:152 Resp: 886364

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

153 12.9 10.2 15.4



#50

Dimethylphthalate

Concen: 47.328 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

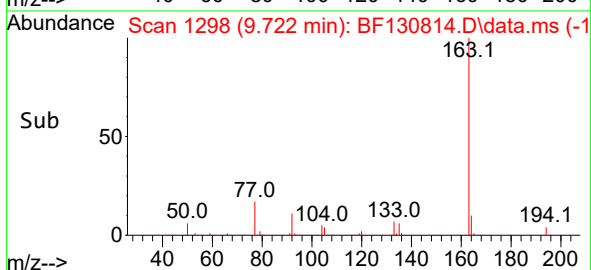
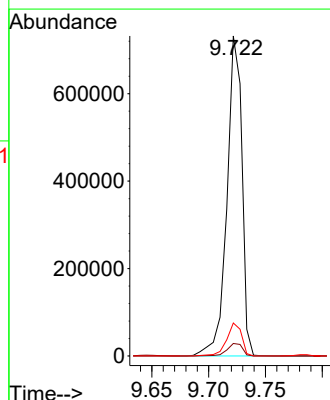
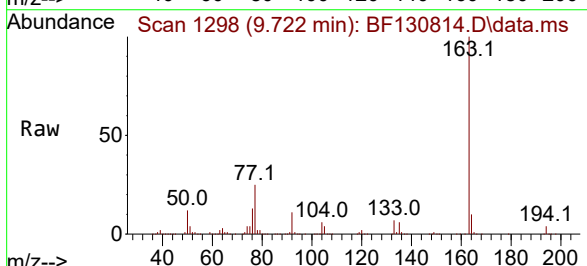
Tgt Ion:163 Resp: 672691

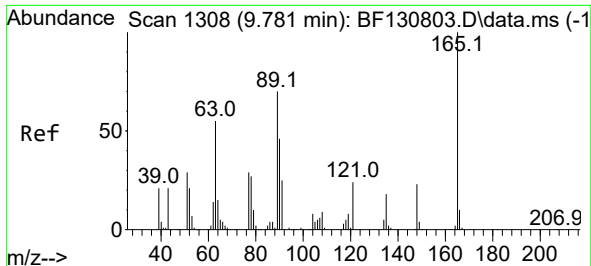
Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.3 8.0 12.0

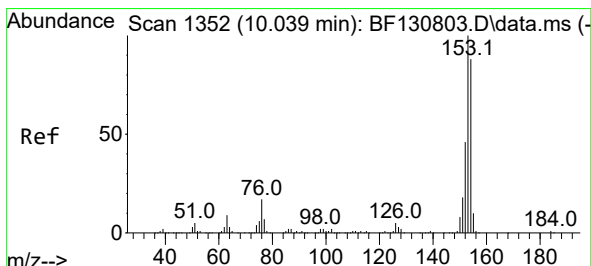
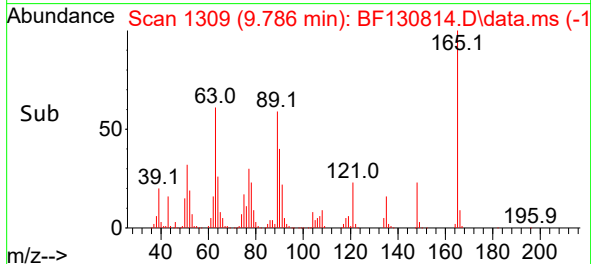
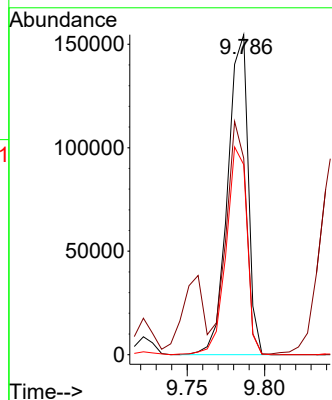
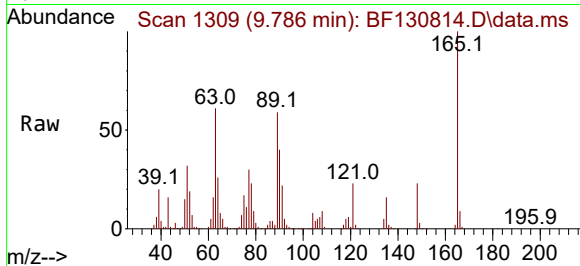




#51  
2,6-Dinitrotoluene  
Concen: 52.295 ng  
RT: 9.786 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

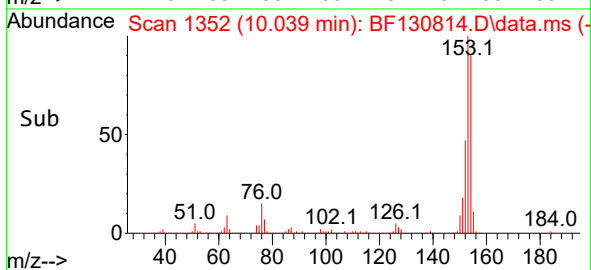
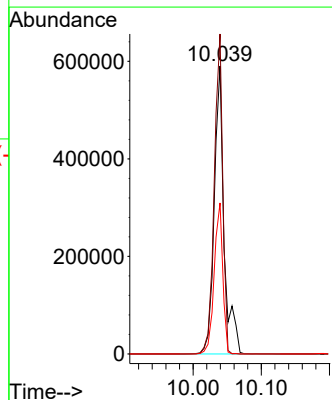
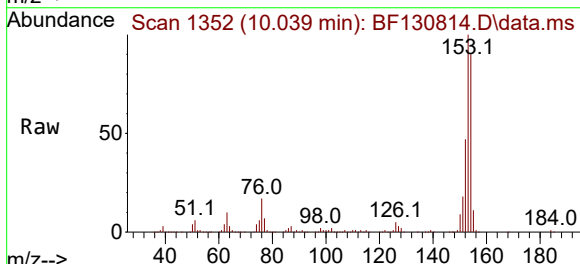
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

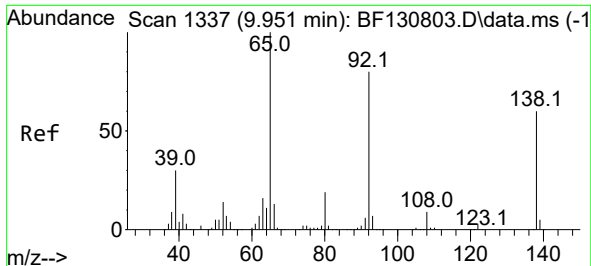
Tgt Ion:165 Resp: 142011  
Ion Ratio Lower Upper  
165 100  
63 61.4 61.8 92.8#  
89 59.4 56.2 84.4



#52  
Acenaphthene  
Concen: 51.468 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:154 Resp: 594541  
Ion Ratio Lower Upper  
154 100  
153 111.1 90.5 135.7  
152 52.4 42.0 63.0

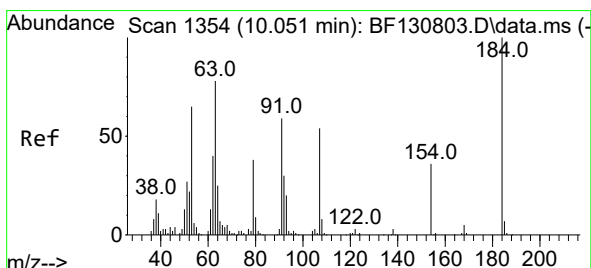
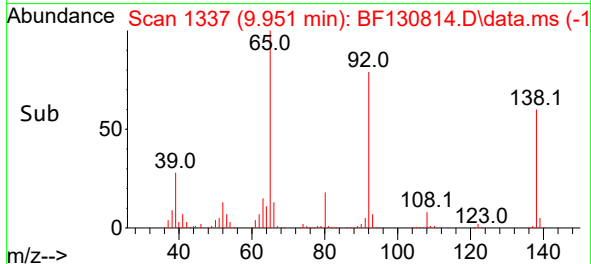
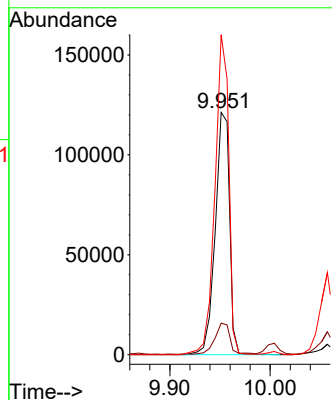
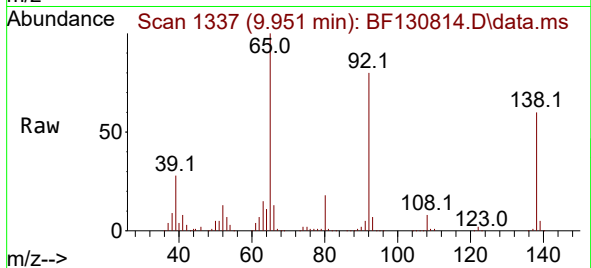




#53  
3-Nitroaniline  
Concen: 43.288 ng  
RT: 9.951 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

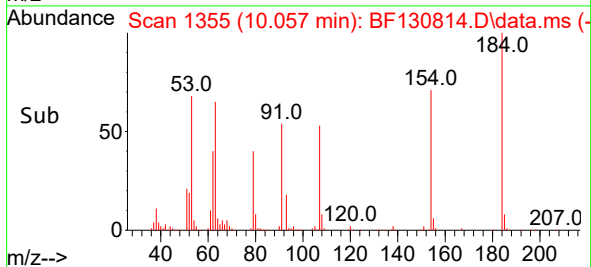
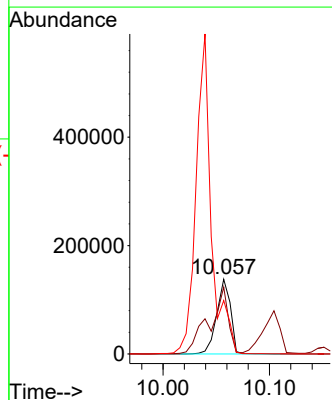
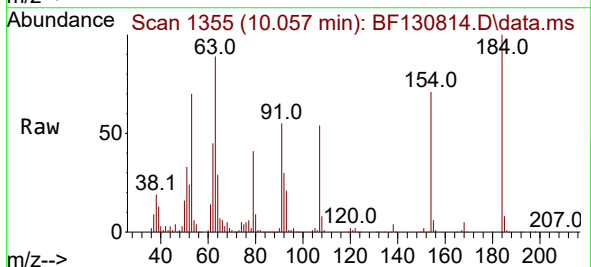
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

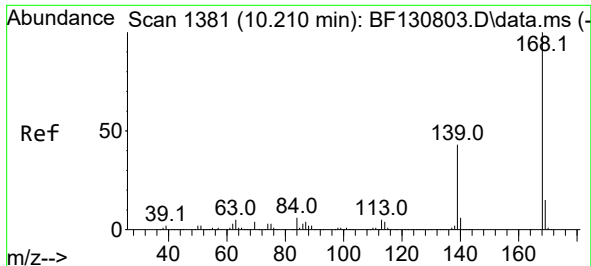
Tgt Ion:138 Resp: 119840  
Ion Ratio Lower Upper  
138 100  
108 13.0 12.7 19.1  
92 132.1 107.8 161.8



#54  
2,4-Dinitrophenol  
Concen: 90.629 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:184 Resp: 124710  
Ion Ratio Lower Upper  
184 100  
63 89.4 66.7 100.1  
154 71.4 62.2 93.2

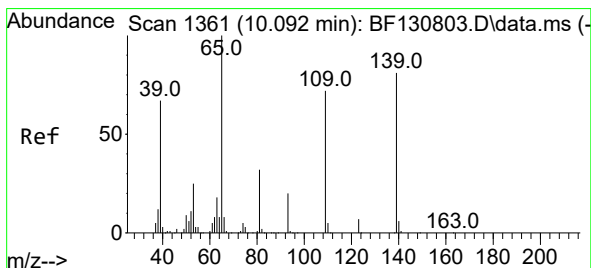
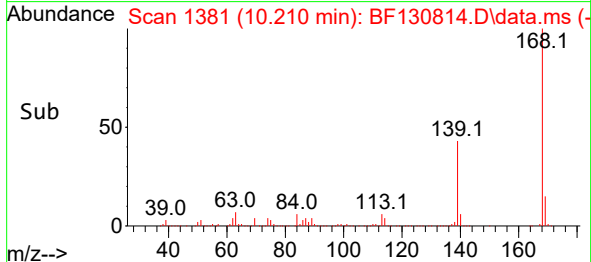
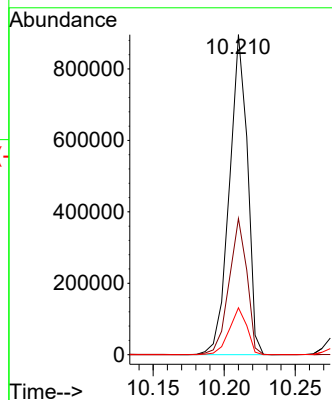
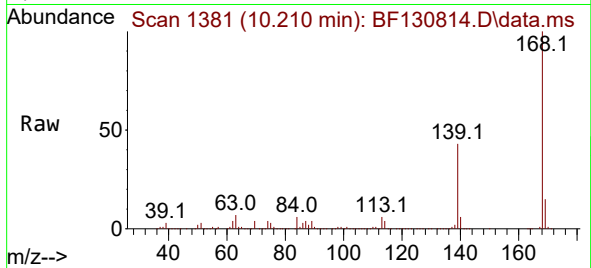




#55  
Dibenzofuran  
Concen: 47.318 ng  
RT: 10.210 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

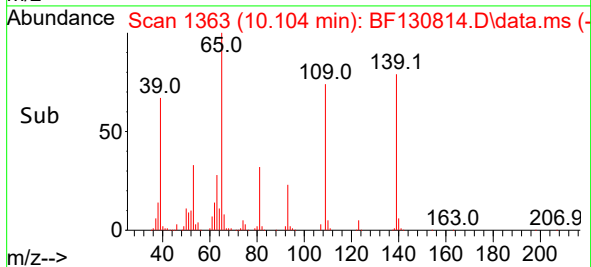
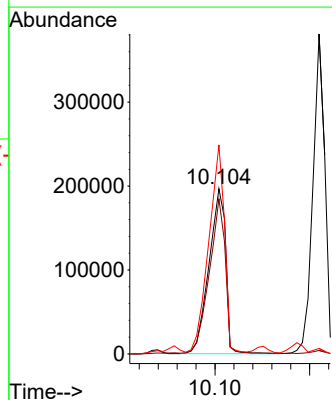
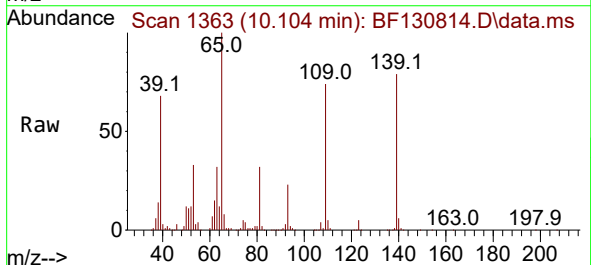
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

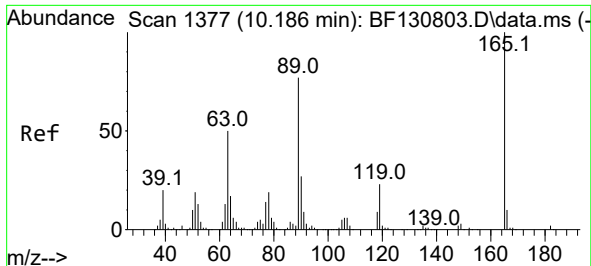
Tgt Ion:168 Resp: 792286  
Ion Ratio Lower Upper  
168 100  
139 42.5 34.3 51.5  
169 14.6 11.9 17.9



#56  
4-Nitrophenol  
Concen: 109.943 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. 0.012 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:139 Resp: 240999  
Ion Ratio Lower Upper  
139 100  
109 93.9 69.3 109.3  
65 126.6 105.3 145.3

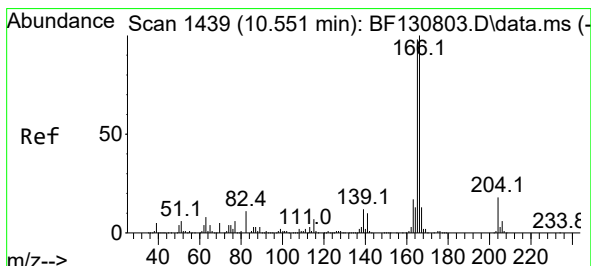
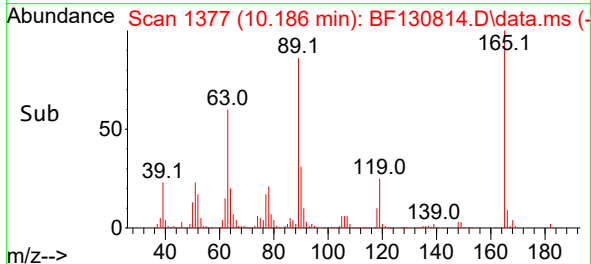
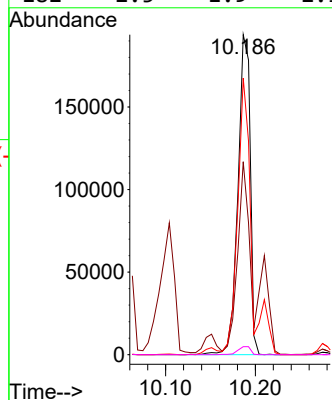
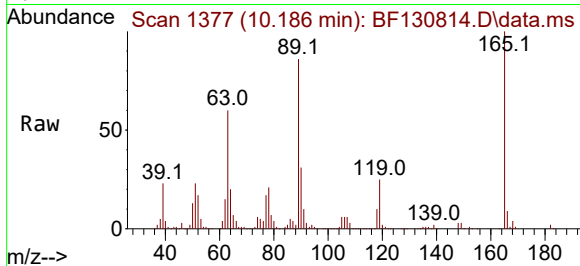




#57  
2,4-Dinitrotoluene  
Concen: 53.839 ng  
RT: 10.186 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

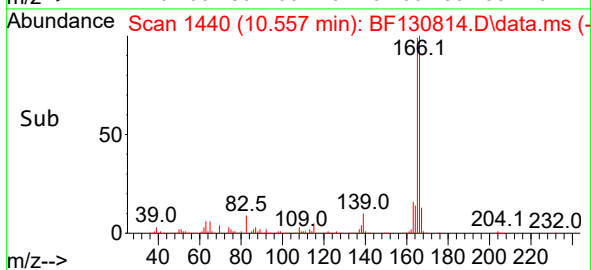
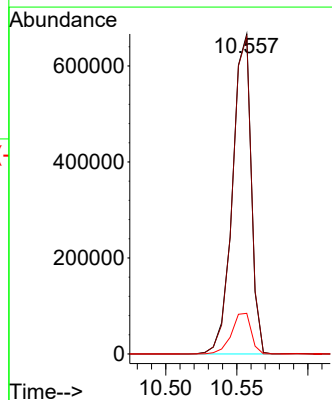
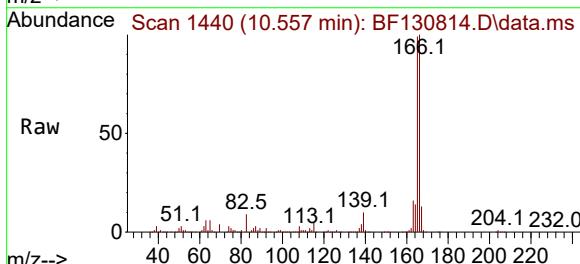
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

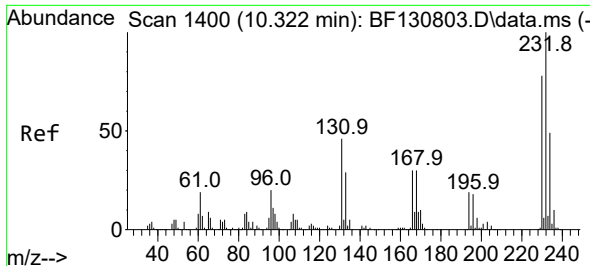
Tgt Ion:165 Resp: 184427  
Ion Ratio Lower Upper  
165 100  
63 60.3 39.8 59.6#  
89 86.5 61.9 92.9  
182 2.5 1.9 2.9



#58  
Fluorene  
Concen: 46.230 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:166 Resp: 609518  
Ion Ratio Lower Upper  
166 100  
165 99.3 78.1 117.1  
167 12.7 10.4 15.6

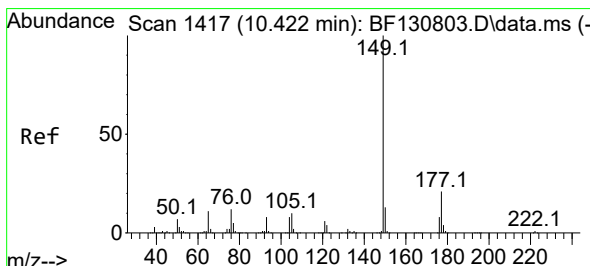
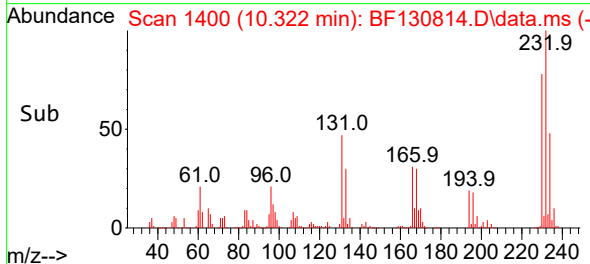
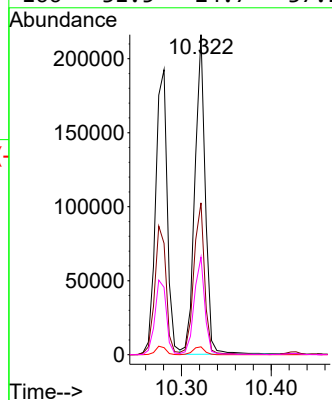
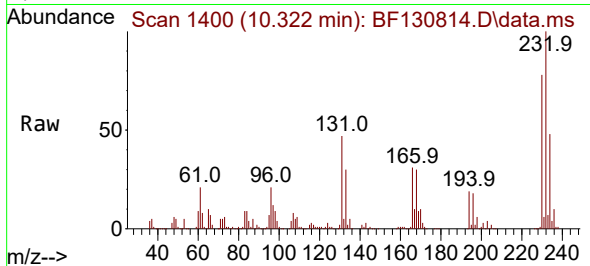




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.454 ng  
RT: 10.322 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

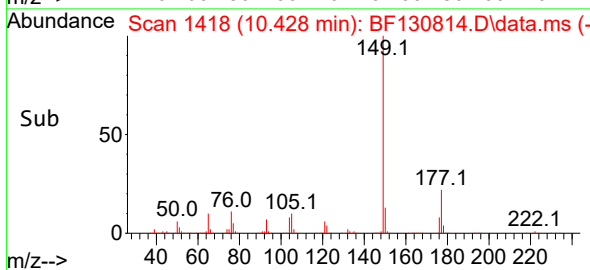
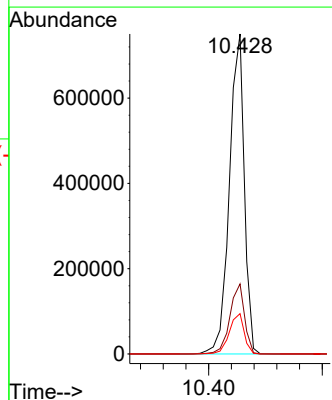
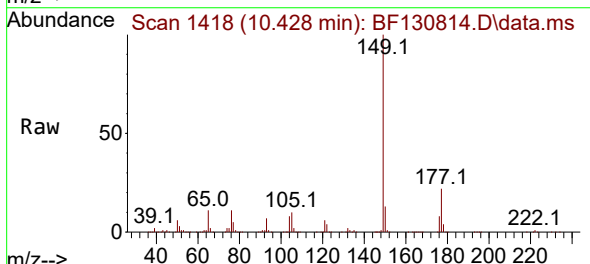
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

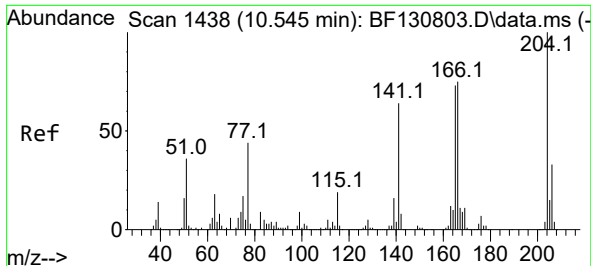
Tgt Ion:232 Resp: 174034  
Ion Ratio Lower Upper  
232 100  
131 48.8 39.6 59.4  
130 2.8 2.1 3.1  
166 31.5 24.7 37.1



#60  
Diethylphthalate  
Concen: 48.919 ng  
RT: 10.428 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:149 Resp: 683812  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.2 25.8  
150 12.6 10.8 16.2

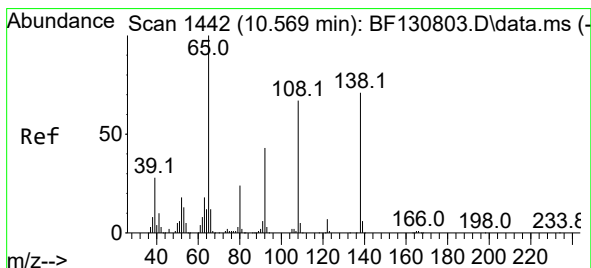
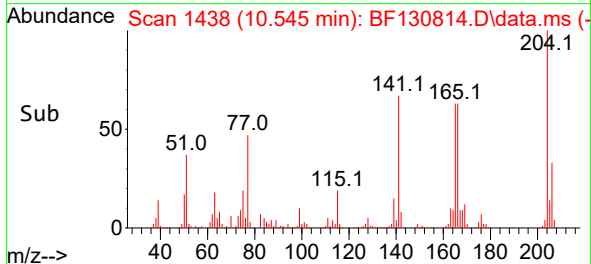
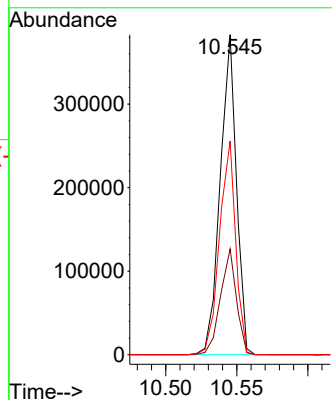
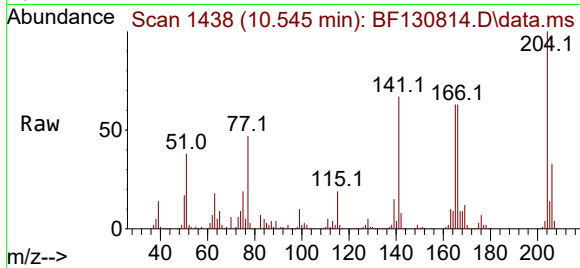




#61  
4-Chlorophenyl-phenylether  
Concen: 48.194 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

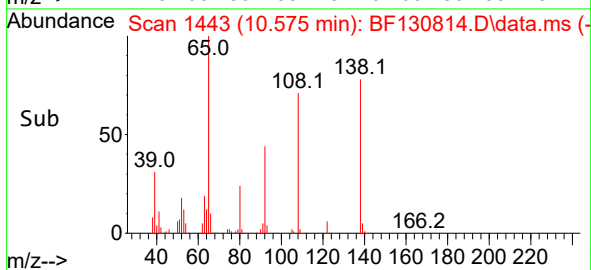
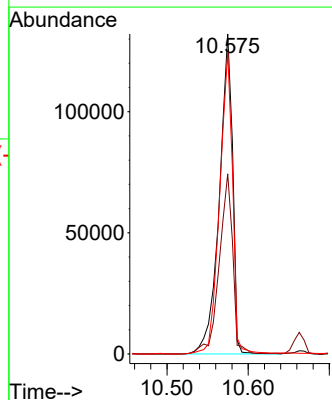
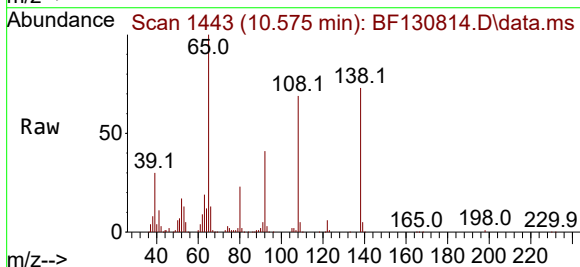
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

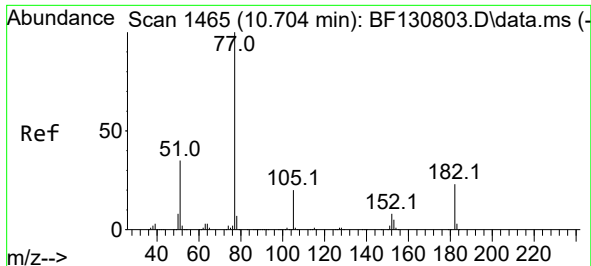
Tgt Ion:204 Resp: 303974  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.6 39.8  
141 66.8 51.3 76.9



#62  
4-Nitroaniline  
Concen: 53.811 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:138 Resp: 150849  
Ion Ratio Lower Upper  
138 100  
92 56.3 40.6 80.6  
108 94.3 74.7 114.7

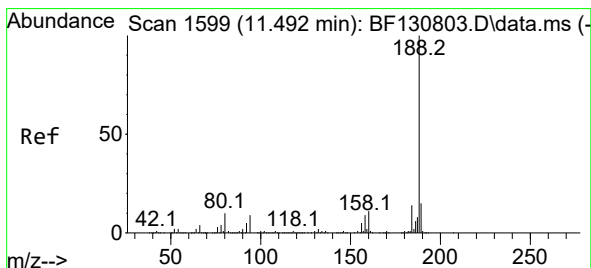
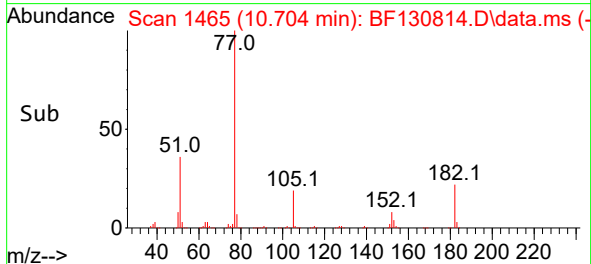
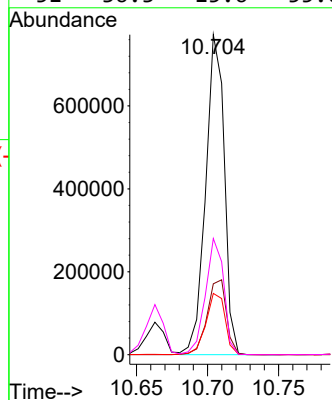
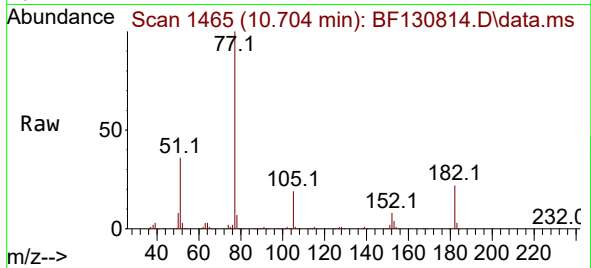




#63  
Azobenzene  
Concen: 48.482 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

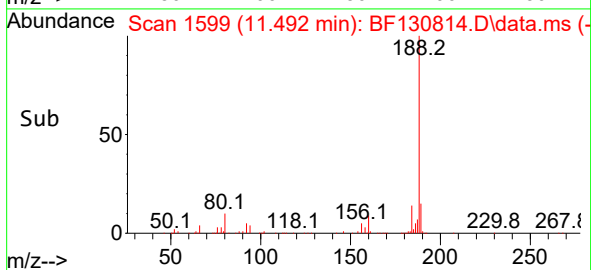
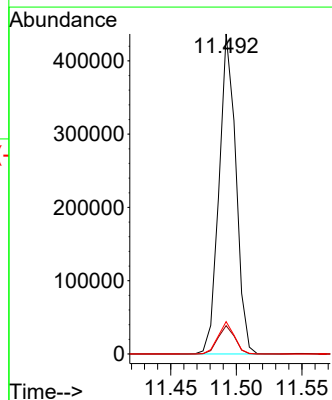
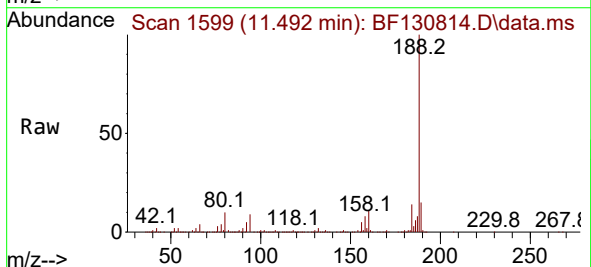
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

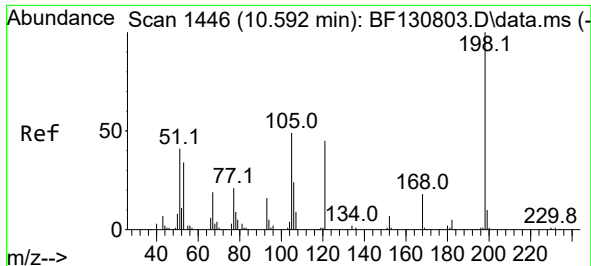
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 707429 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 22.1  | 2.6   | 42.6   |
| 105      | 19.1  | 0.0   | 40.0   |
| 51       | 36.3  | 15.6  | 55.6   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.492 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 390072 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.9   | 7.4   | 11.2   |
| 80       | 10.1  | 8.0   | 12.0   |

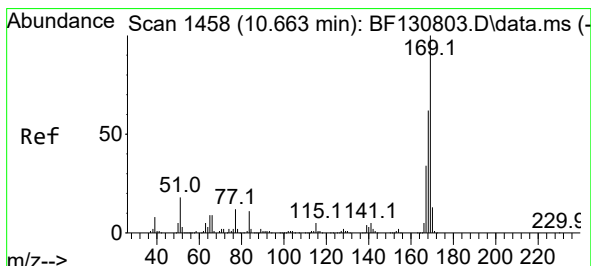
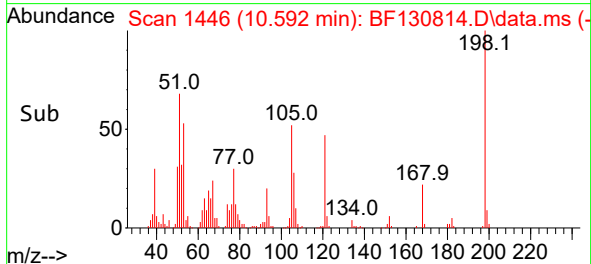
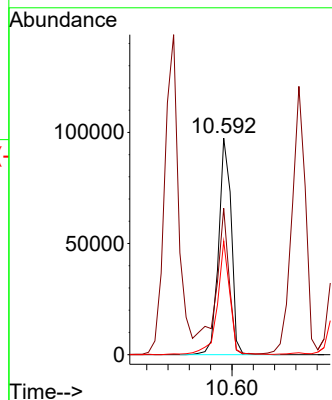
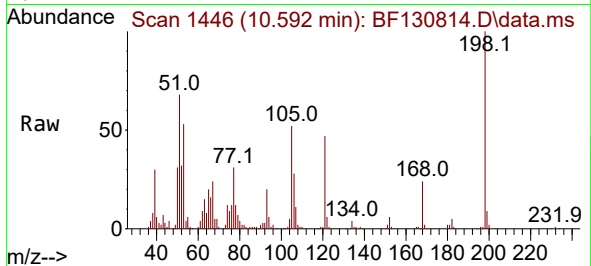




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.572 ng  
RT: 10.592 min Scan# 1446  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

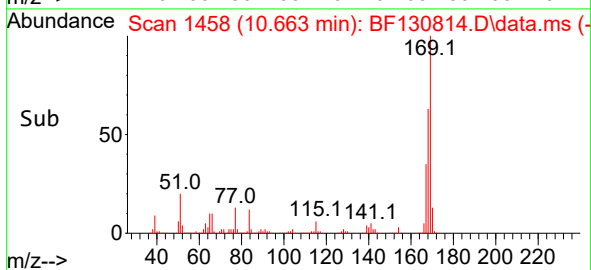
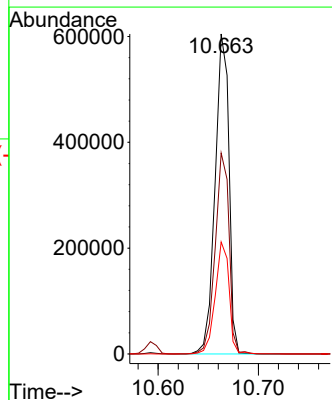
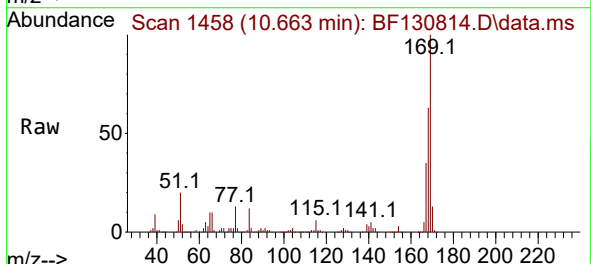
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

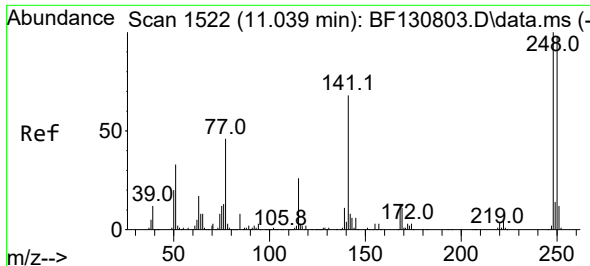
Tgt Ion:198 Resp: 79367  
Ion Ratio Lower Upper  
198 100  
51 67.6 39.0 79.0  
105 52.4 30.6 70.6



#66  
n-Nitrosodiphenylamine  
Concen: 47.767 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:169 Resp: 581183  
Ion Ratio Lower Upper  
169 100  
168 62.8 49.4 74.0  
167 35.0 27.4 41.2

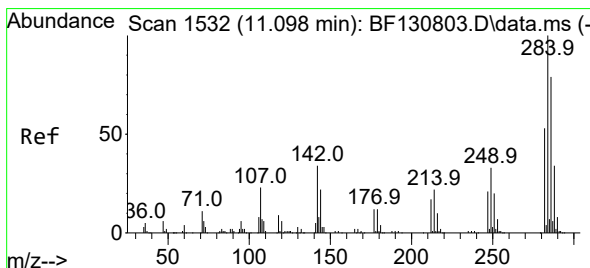
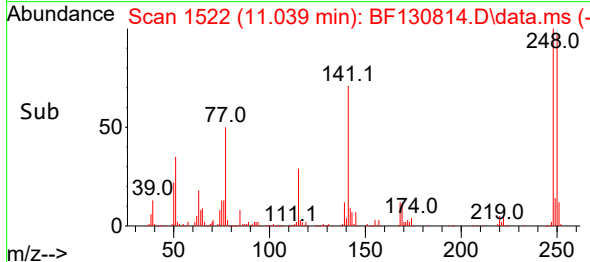
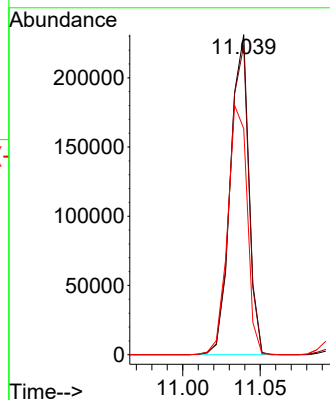
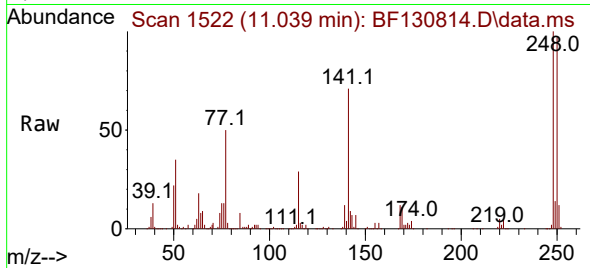




#67  
4-Bromophenyl-phenylether  
Concen: 48.681 ng  
RT: 11.039 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

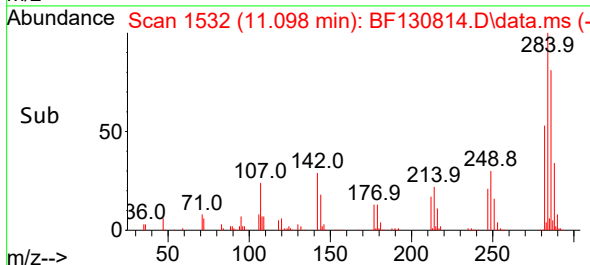
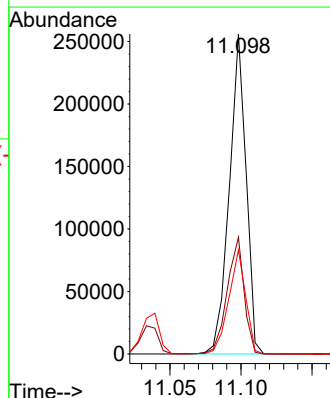
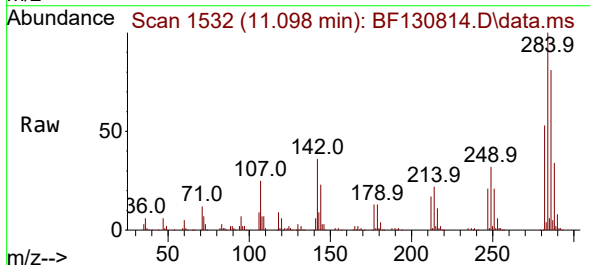
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

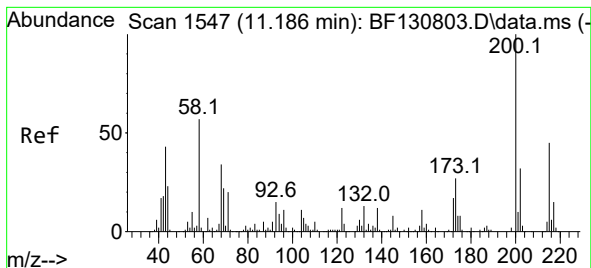
Tgt Ion:248 Resp: 190967  
Ion Ratio Lower Upper  
248 100  
250 96.6 78.6 117.8  
141 70.7 54.2 81.4



#68  
Hexachlorobenzene  
Concen: 48.673 ng  
RT: 11.098 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:284 Resp: 210368  
Ion Ratio Lower Upper  
284 100  
142 36.4 27.1 40.7  
249 32.5 26.6 39.8





#69

Atrazine

Concen: 57.709 ng

RT: 11.192 min Scan# 1548

Delta R.T. 0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

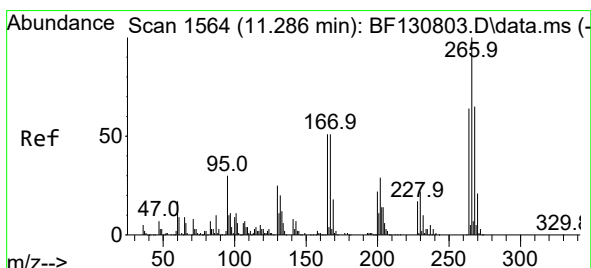
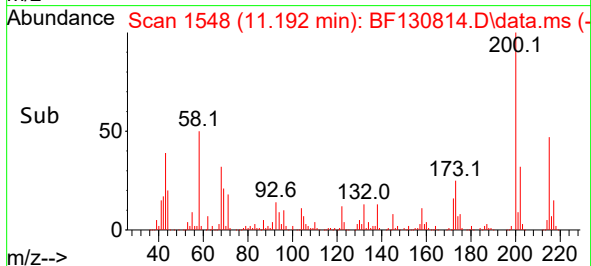
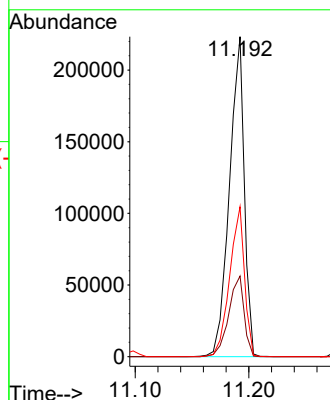
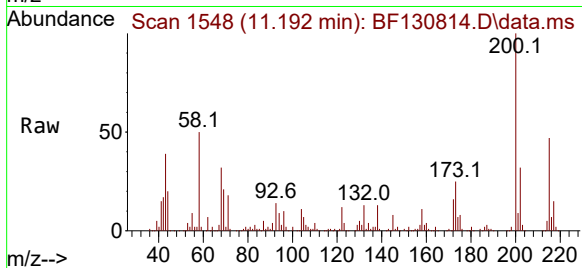
Tgt Ion:200 Resp: 202772

Ion Ratio Lower Upper

200 100

173 25.2 7.1 47.1

215 46.9 25.4 65.4



#70

Pentachlorophenol

Concen: 97.345 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

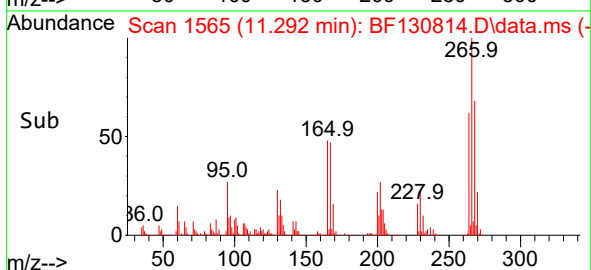
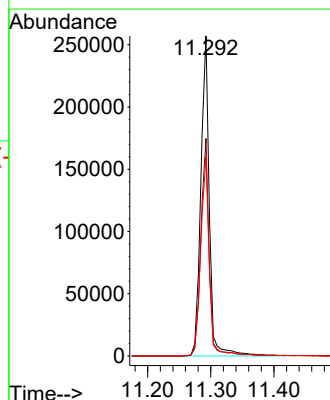
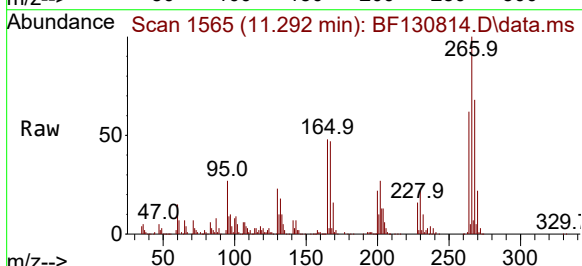
Tgt Ion:266 Resp: 240084

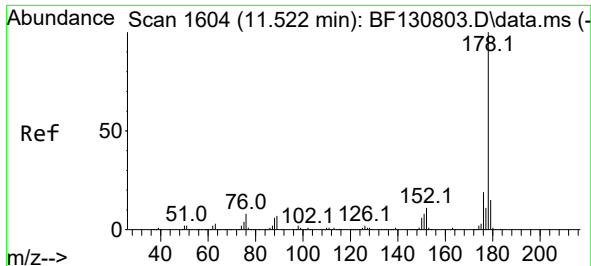
Ion Ratio Lower Upper

266 100

268 68.0 51.8 77.6

264 62.4 51.6 77.4

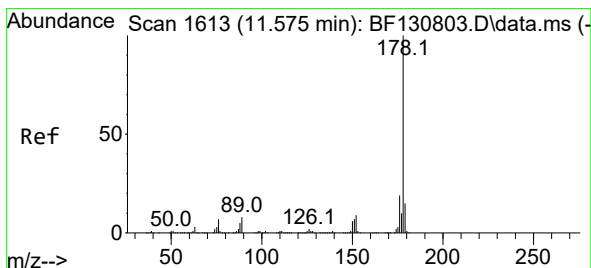
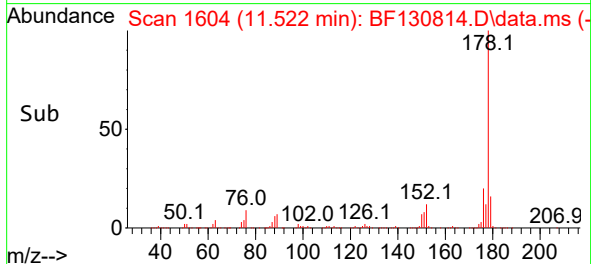
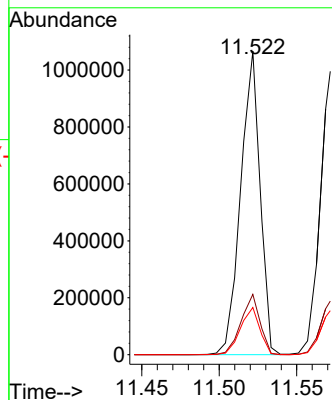
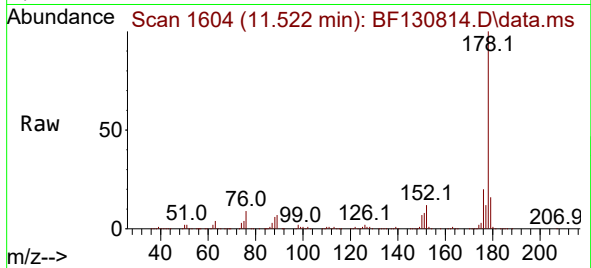




#71  
Phenanthrene  
Concen: 46.072 ng  
RT: 11.522 min Scan# 1604  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

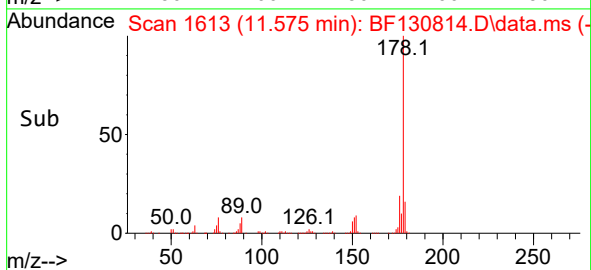
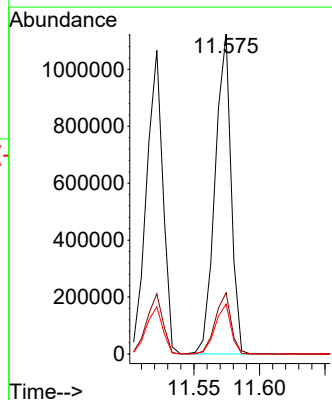
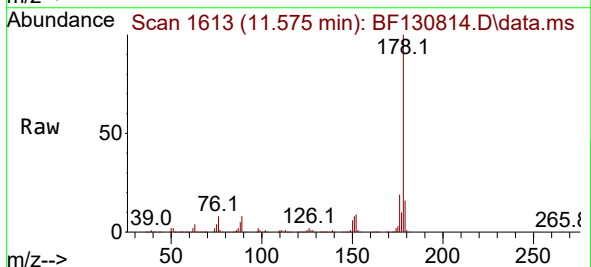
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BNA\_F  
ClientSampleId :  
PB148514BS

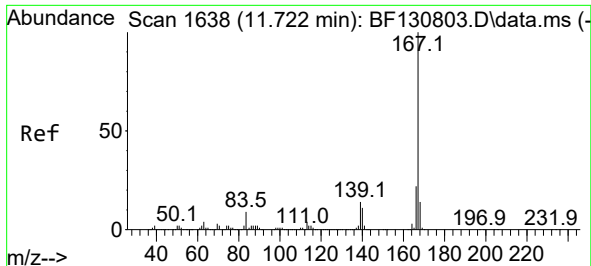
Tgt Ion:178 Resp: 927553  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.5 23.3  
179 15.5 12.2 18.2



#72  
Anthracene  
Concen: 47.937 ng  
RT: 11.575 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:178 Resp: 951914  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 15.6 12.2 18.4

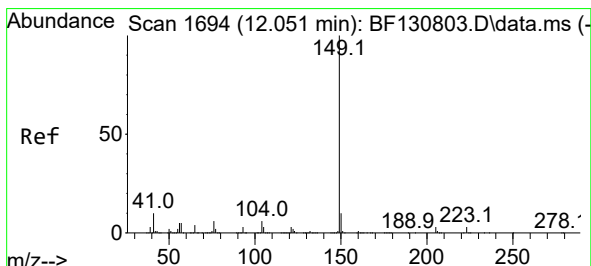
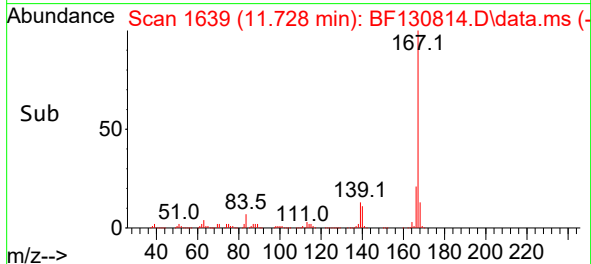
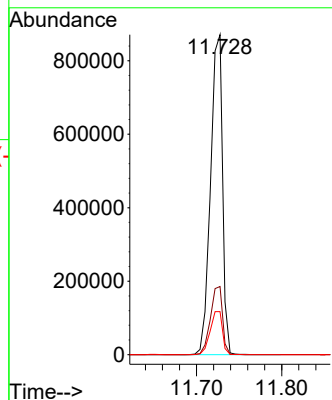
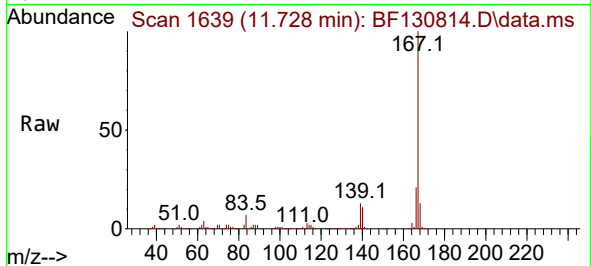




#73  
 Carbazole  
 Concen: 47.845 ng  
 RT: 11.728 min Scan# 1638  
 Delta R.T. 0.006 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

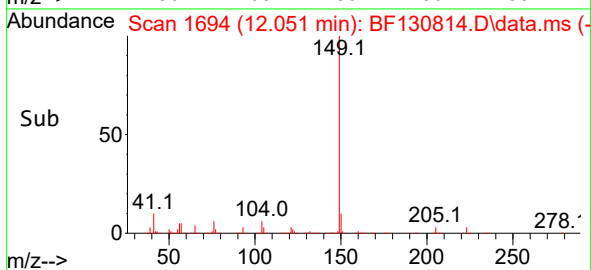
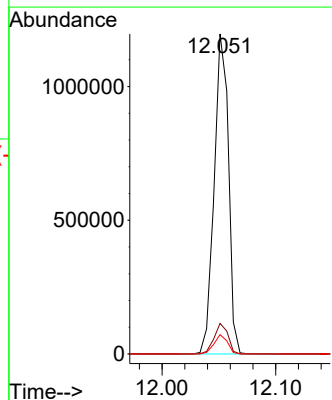
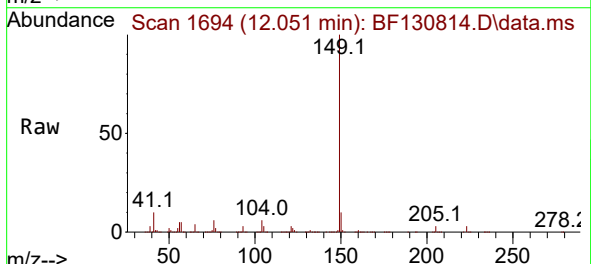
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148514BS

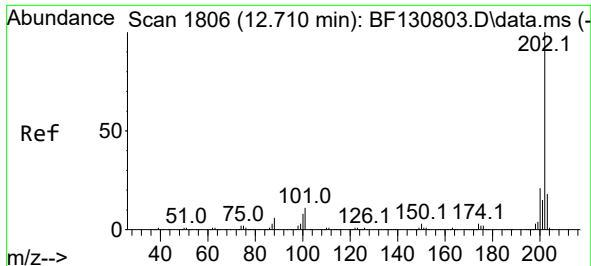
Tgt Ion:167 Resp: 850845  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.4 26.0  
 139 13.5 11.3 16.9



#74  
 Di-n-butylphthalate  
 Concen: 48.360 ng  
 RT: 12.051 min Scan# 1694  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

Tgt Ion:149 Resp: 1044461  
 Ion Ratio Lower Upper  
 149 100  
 150 9.6 7.8 11.6  
 104 6.0 4.6 6.8

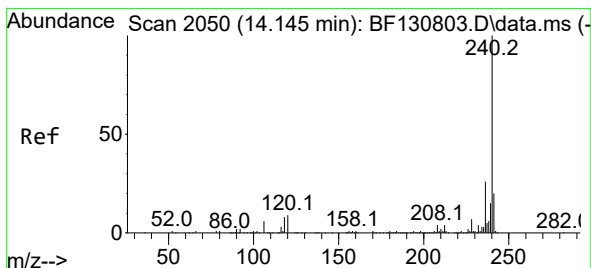
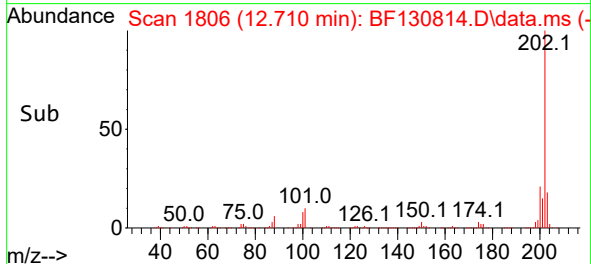
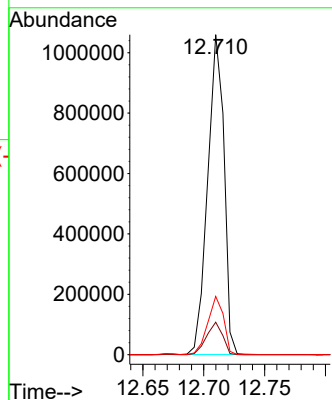
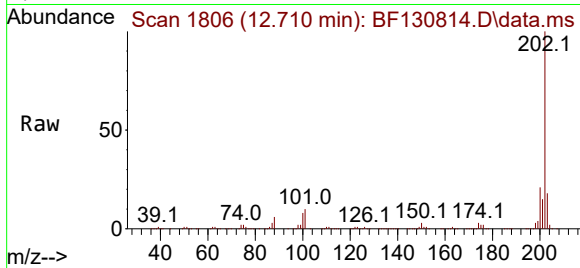




#75  
Fluoranthene  
Concen: 46.113 ng  
RT: 12.710 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

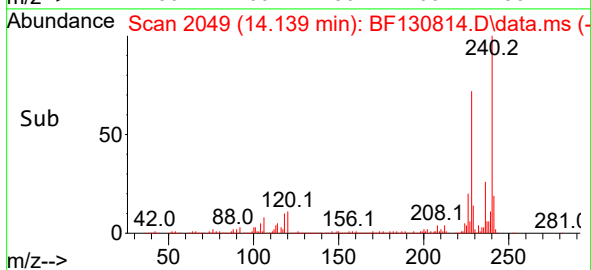
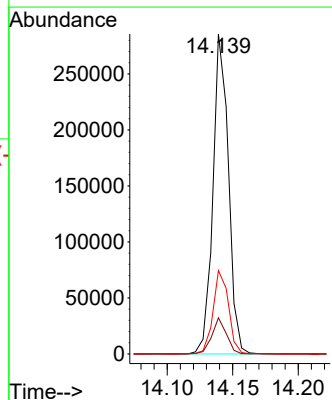
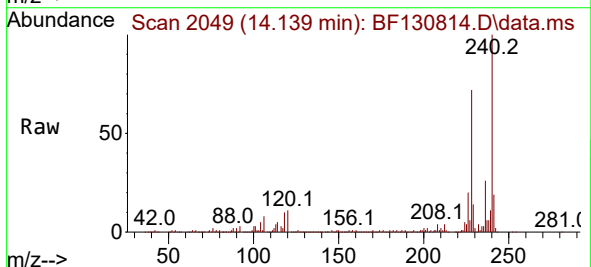
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

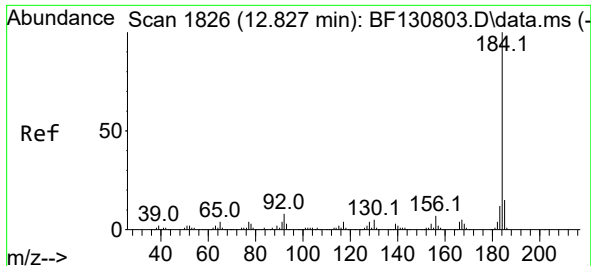
Tgt Ion:202 Resp: 986411  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 30.9  
203 18.2 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.139 min Scan# 2049  
Delta R.T. -0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:240 Resp: 234759  
Ion Ratio Lower Upper  
240 100  
120 11.3 7.0 10.4#  
236 26.0 20.5 30.7

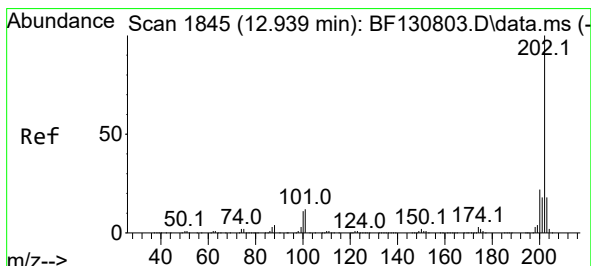
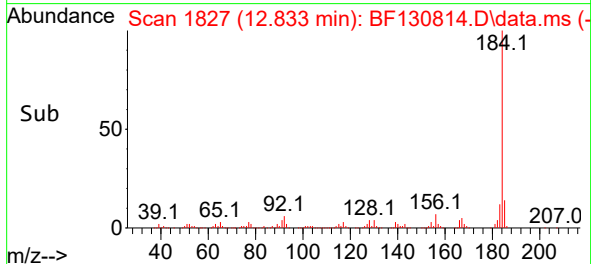
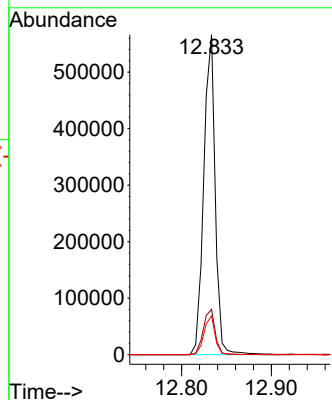
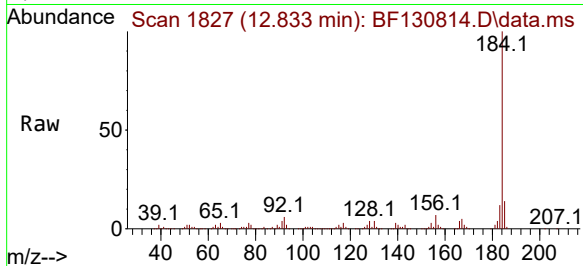




#77  
Benzidine  
Concen: 88.055 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

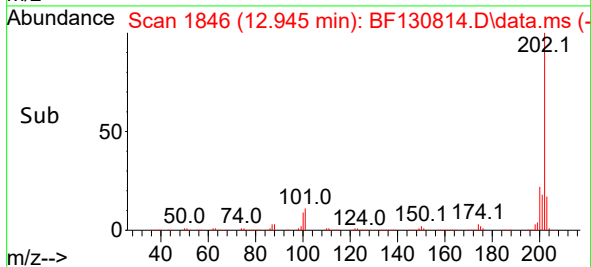
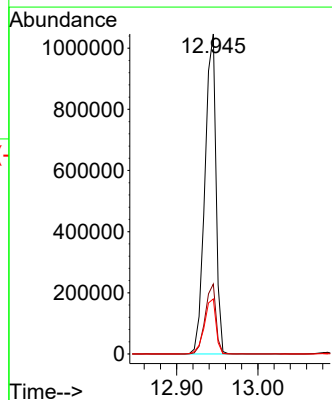
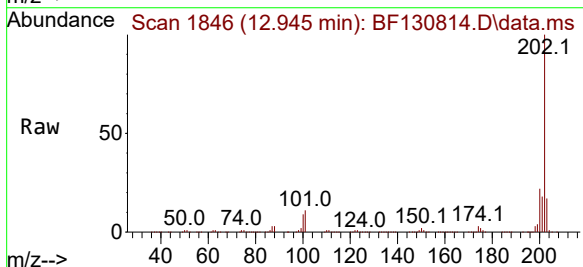
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

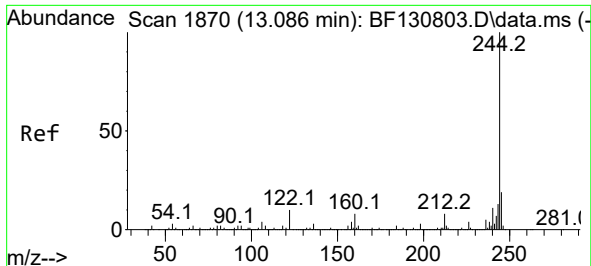
Tgt Ion:184 Resp: 501803  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.8 17.8  
183 12.1 9.7 14.5



#78  
Pyrene  
Concen: 50.031 ng  
RT: 12.945 min Scan# 1846  
Delta R.T. 0.006 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:202 Resp: 990923  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.2 25.8  
203 17.2 14.5 21.7

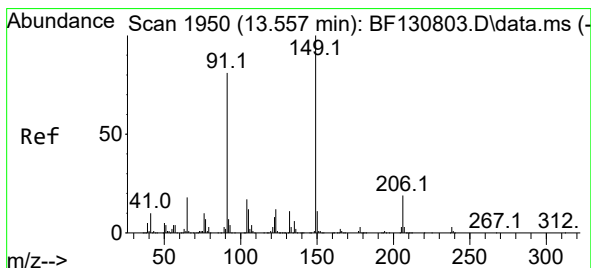
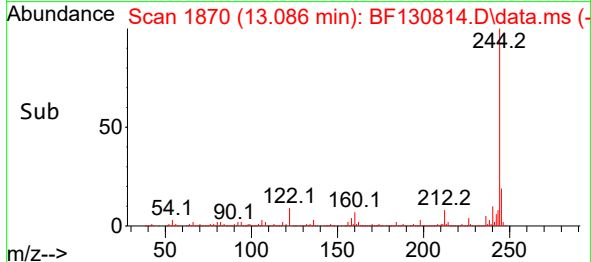
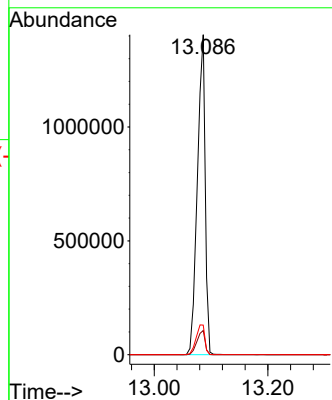
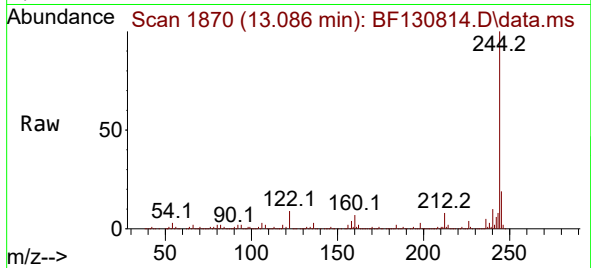




#79  
 Terphenyl-d14  
 Concen: 105.732 ng  
 RT: 13.086 min Scan# 1870  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

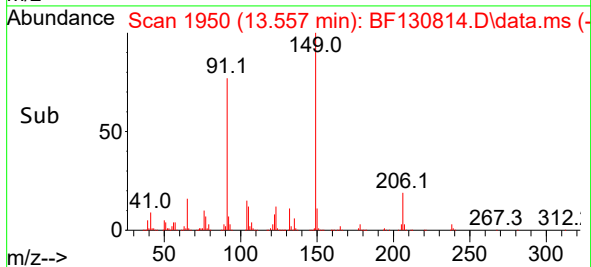
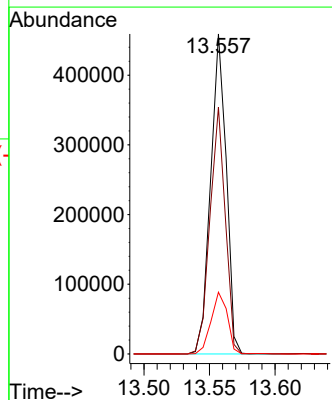
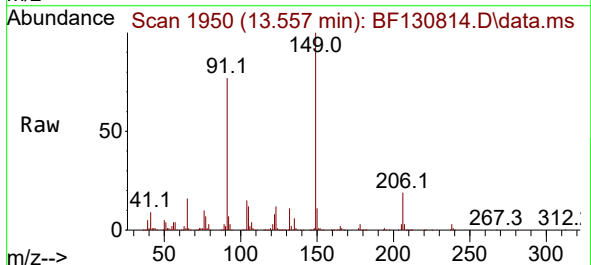
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148514BS

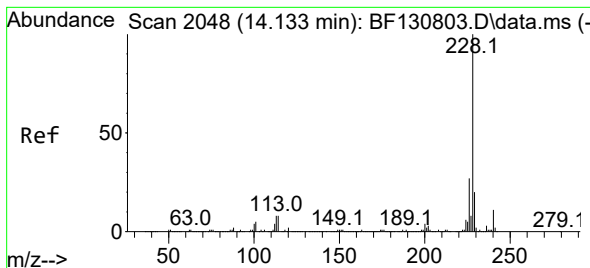
Tgt Ion:244 Resp: 1354548  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 9.2 7.9 11.9



#80  
 Butylbenzylphthalate  
 Concen: 53.451 ng  
 RT: 13.557 min Scan# 1950  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

Tgt Ion:149 Resp: 380872  
 Ion Ratio Lower Upper  
 149 100  
 91 77.2 64.5 96.7  
 206 19.3 15.3 22.9





#81

Benzo(a)anthracene

Concen: 47.347 ng

RT: 14.133 min Scan# 2048

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

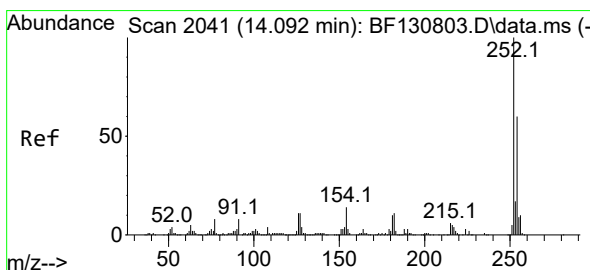
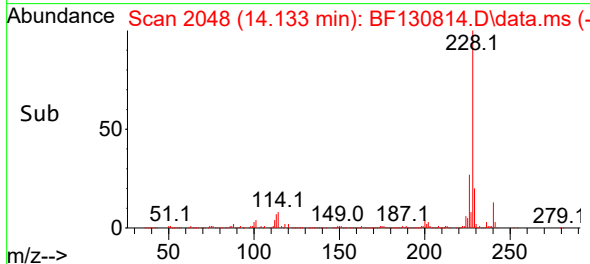
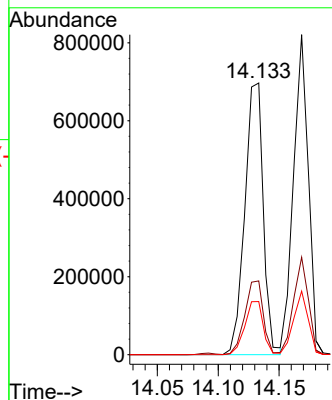
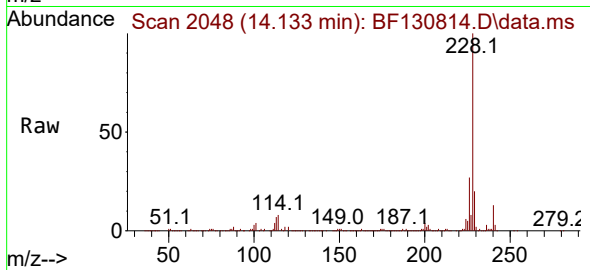
Tgt Ion:228 Resp: 736938

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

229 19.6 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 39.929 ng

RT: 14.092 min Scan# 2041

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

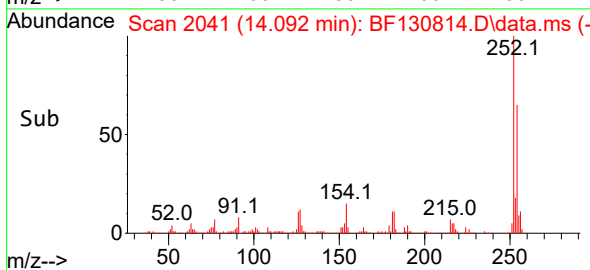
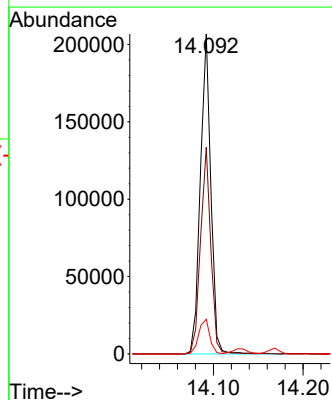
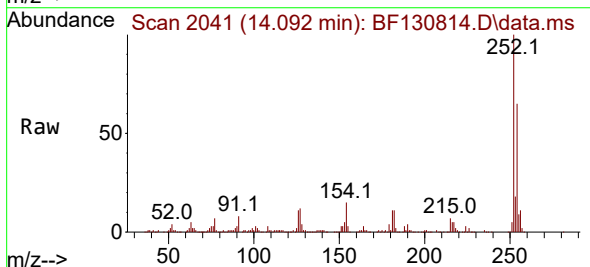
Tgt Ion:252 Resp: 167735

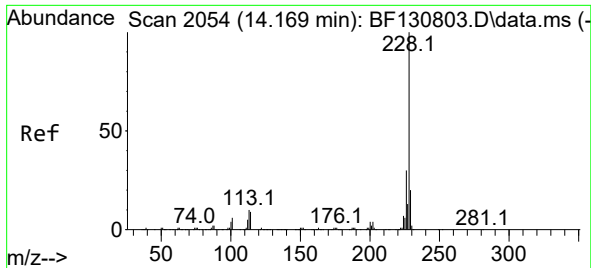
Ion Ratio Lower Upper

252 100

254 64.6 47.8 71.6

126 10.9 9.0 13.6

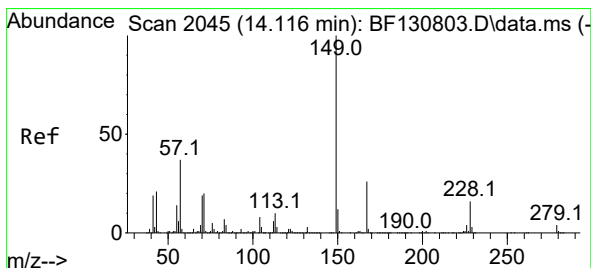
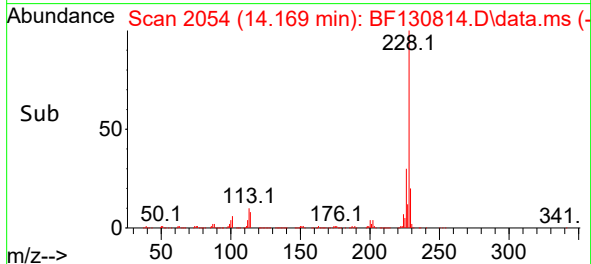
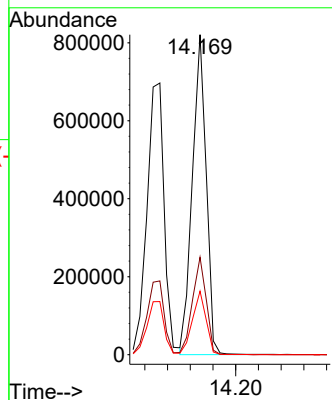
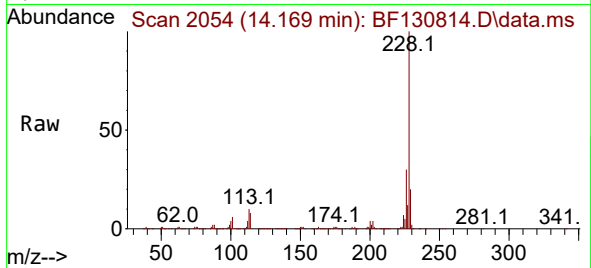




#83  
Chrysene  
Concen: 46.306 ng  
RT: 14.169 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

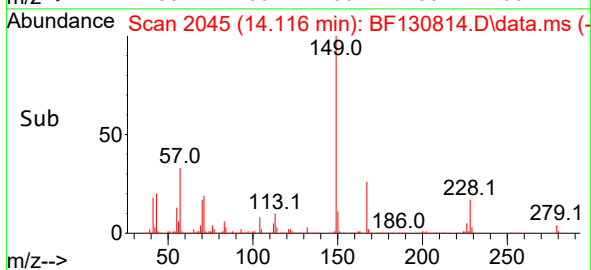
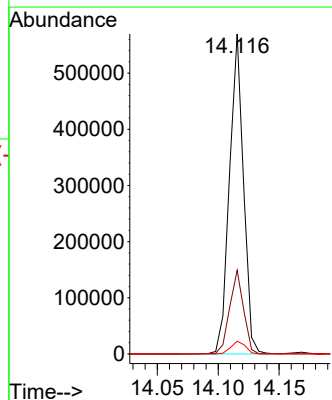
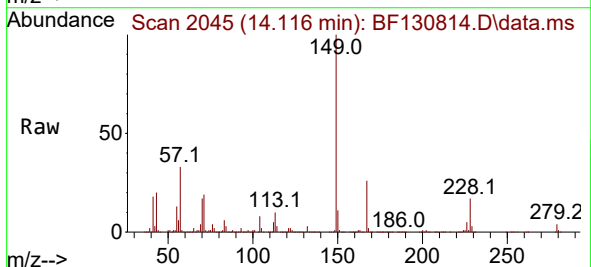
Instrument :  
BNA\_F  
ClientSampleId :  
PB148514BS

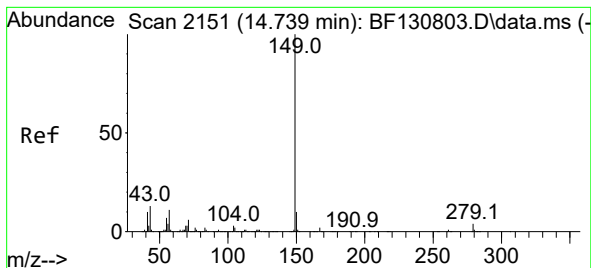
Tgt Ion:228 Resp: 695201  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.9 35.9  
229 19.9 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 53.395 ng  
RT: 14.116 min Scan# 2045  
Delta R.T. 0.000 min  
Lab File: BF130814.D  
Acq: 27 Oct 2022 23:56

Tgt Ion:149 Resp: 457473  
Ion Ratio Lower Upper  
149 100  
167 26.2 21.0 31.4  
279 4.0 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 53.285 ng

RT: 14.739 min Scan# 2151

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

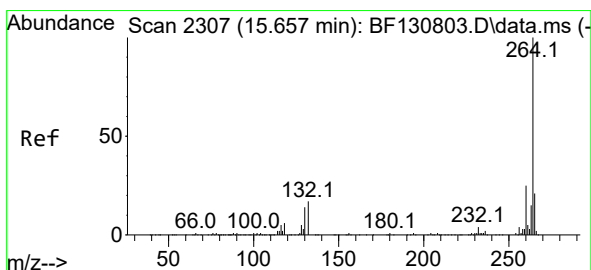
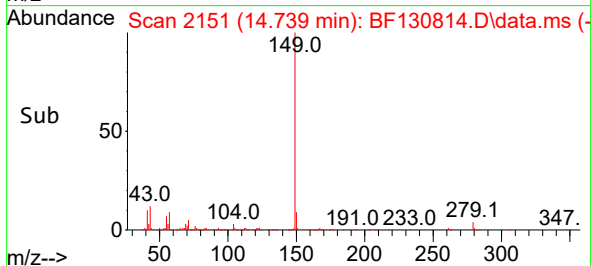
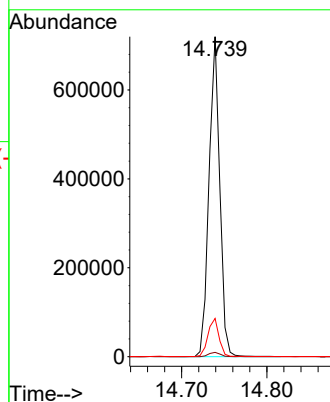
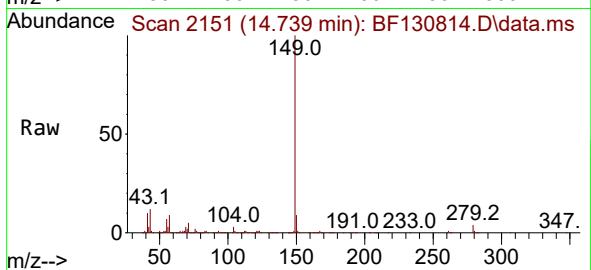
Tgt Ion:149 Resp: 630067

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 12.4 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 2307

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

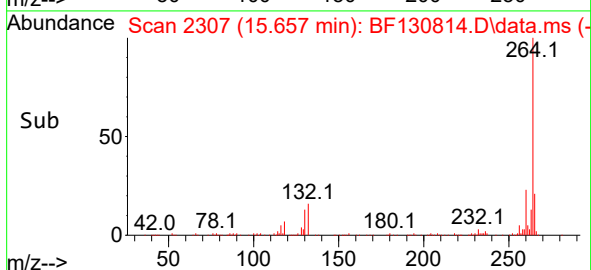
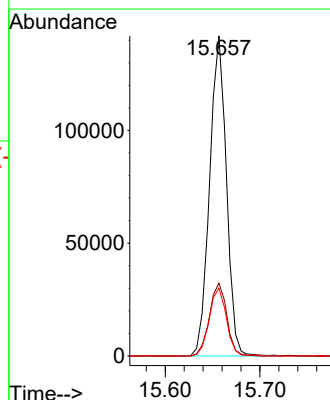
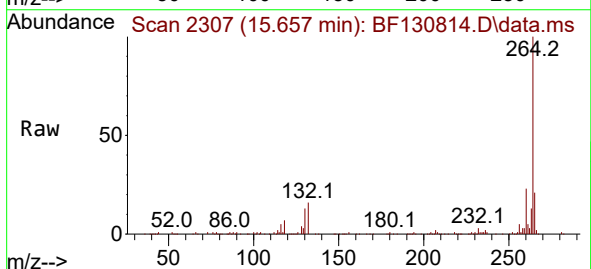
Tgt Ion:264 Resp: 174856

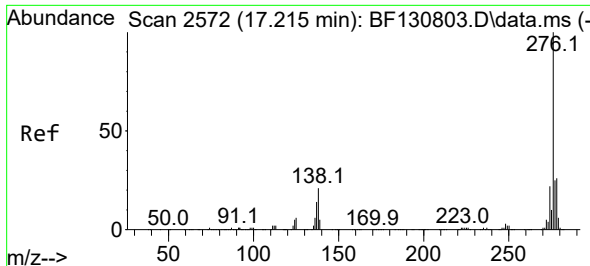
Ion Ratio Lower Upper

264 100

260 22.7 19.9 29.9

265 21.2 17.0 25.6

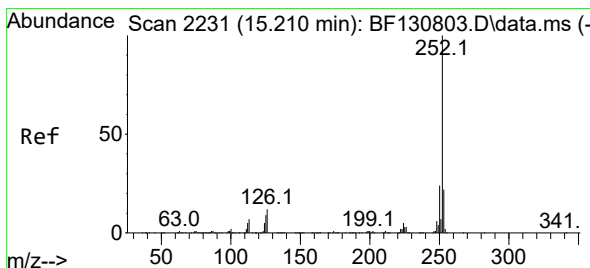
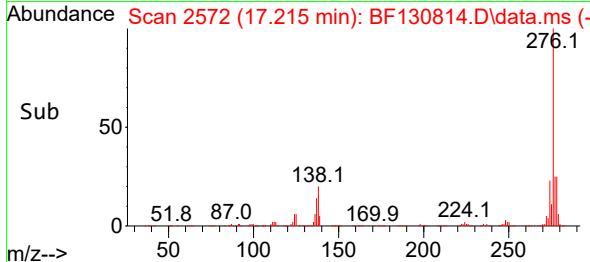
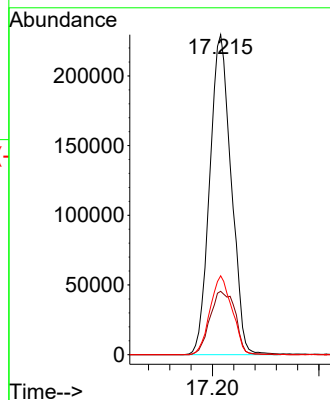
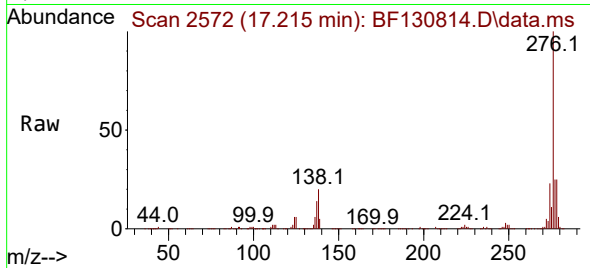




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 55.189 ng  
 RT: 17.215 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

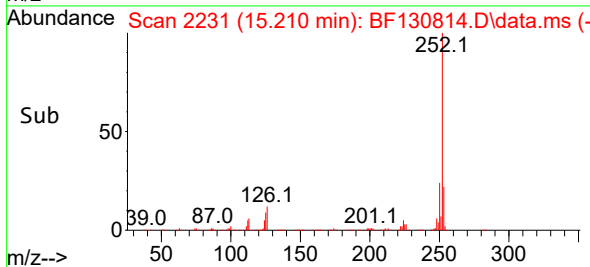
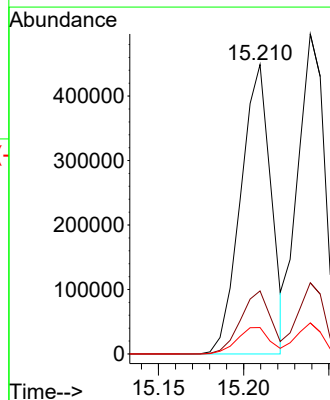
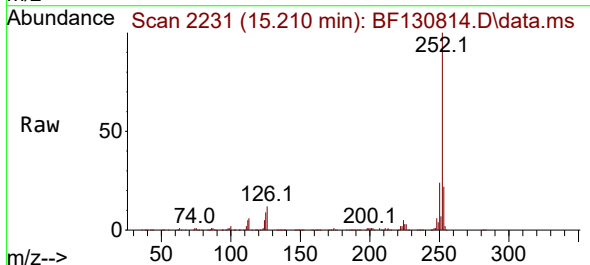
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148514BS

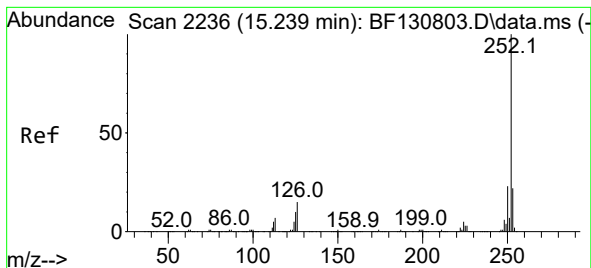
Tgt Ion:276 Resp: 640843  
 Ion Ratio Lower Upper  
 276 100  
 138 23.4 19.1 28.7  
 277 25.4 20.1 30.1



#88  
 Benzo(b)fluoranthene  
 Concen: 49.210 ng  
 RT: 15.210 min Scan# 2231  
 Delta R.T. 0.000 min  
 Lab File: BF130814.D  
 Acq: 27 Oct 2022 23:56

Tgt Ion:252 Resp: 556230  
 Ion Ratio Lower Upper  
 252 100  
 253 21.8 17.5 26.3  
 125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 49.830 ng

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

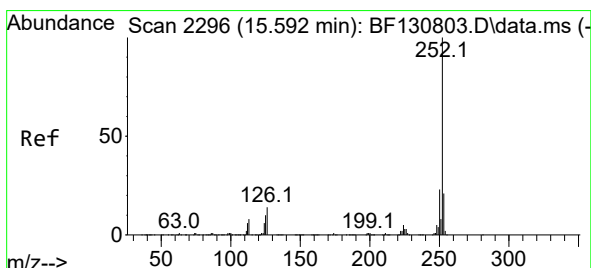
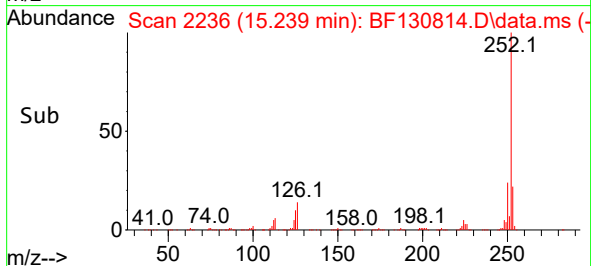
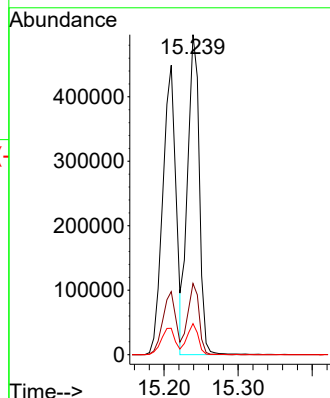
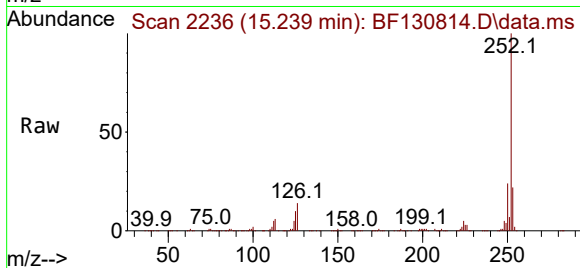
Tgt Ion:252 Resp: 548832

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.7 8.0 12.0



#90

Benzo(a)pyrene

Concen: 52.737 ng

RT: 15.592 min Scan# 2296

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

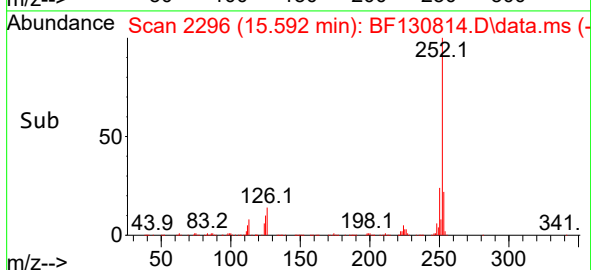
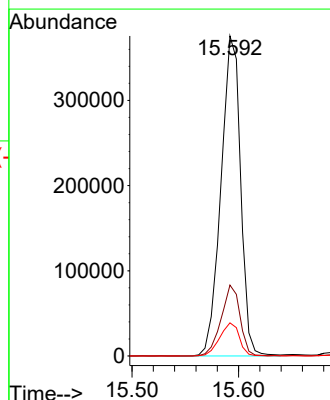
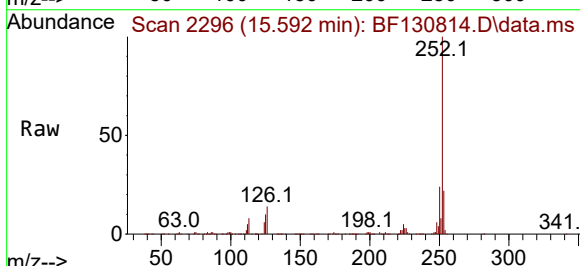
Tgt Ion:252 Resp: 479191

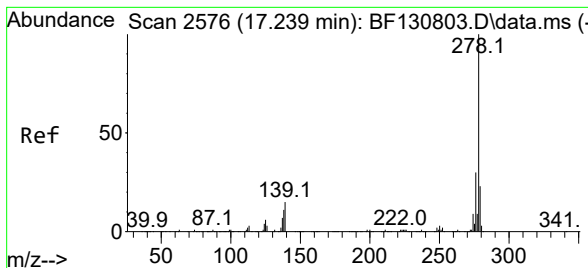
Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

125 10.4 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 59.193 ng

RT: 17.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Instrument :

BNA\_F

ClientSampleId :

PB148514BS

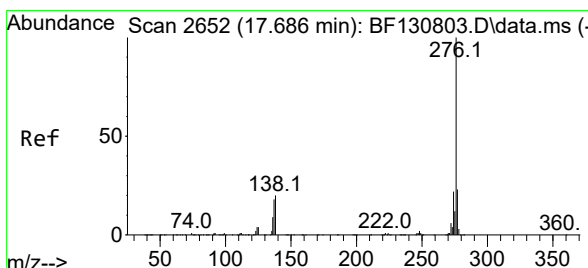
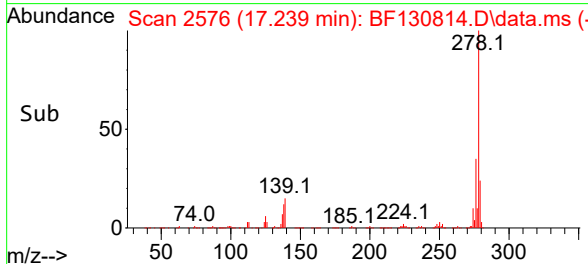
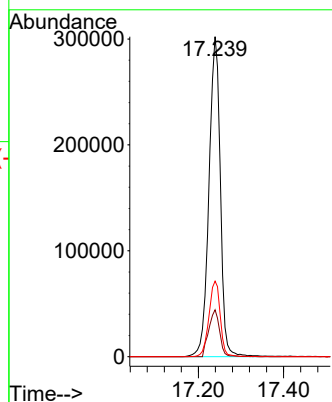
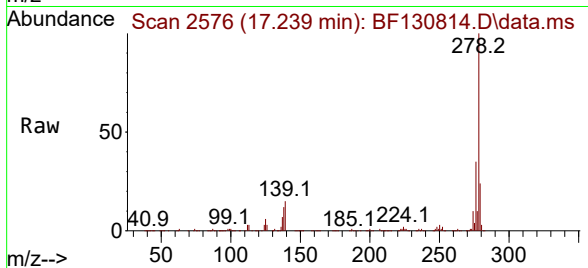
Tgt Ion:278 Resp: 560312

Ion Ratio Lower Upper

278 100

139 14.6 11.9 17.9

279 23.6 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 59.627 ng

RT: 17.692 min Scan# 2653

Delta R.T. 0.006 min

Lab File: BF130814.D

Acq: 27 Oct 2022 23:56

Tgt Ion:276 Resp: 575832

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 19.0 16.3 24.5

