

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091622\  
 Data File : BF130299.D  
 Acq On : 16 Sep 2022 19:55  
 Operator : CG\JU  
 Sample : N4656-31MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

Quant Time: Sep 17 03:28:38 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 17 03:22:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.669  | 152  | 88479    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.951  | 136  | 334438   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.698  | 164  | 167129   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.175 | 188  | 245087   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.804 | 240  | 145062   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.198 | 264  | 178289   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.275  | 112  | 643617   | 126.169 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.310  | 99   | 814932   | 127.676 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.240  | 82   | 543179   | 82.976  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.486 | 330  | 189867   | 118.562 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.028  | 172  | 977905   | 85.205  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.763 | 244  | 689793   | 78.769  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.358  | 88   | 95270    | 40.665  | ng    | 98       |
| 3) Pyridine                   | 3.034  | 79   | 236701   | 38.731  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 2.999  | 42   | 143364   | 43.131  | ng    | 97       |
| 6) Aniline                    | 6.334  | 93   | 321565   | 40.888  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.451  | 128  | 282879   | 48.680  | ng    | 96       |
| 9) Benzaldehyde               | 6.216  | 77   | 177056   | 41.412  | ng    | 97       |
| 10) Phenol                    | 6.322  | 94   | 351954   | 47.052  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.410  | 93   | 255681   | 47.390  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.610  | 146  | 310456   | 48.554  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.687  | 146  | 313815   | 48.128  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.840  | 146  | 297978   | 48.921  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.816  | 79   | 206149   | 40.735  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.951  | 45   | 345632   | 43.923  | ng    | 95       |
| 17) 2-Methylphenol            | 6.928  | 107  | 215792   | 45.682  | ng    | 98       |
| 18) Hexachloroethane          | 7.181  | 117  | 120585   | 46.917  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.093  | 70   | 192080   | 44.597  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.087  | 107  | 271848   | 44.301  | ng    | 93       |
| 22) Acetophenone              | 7.087  | 105  | 398957   | 48.793  | ng    | # 95     |
| 24) Nitrobenzene              | 7.257  | 77   | 299342   | 45.034  | ng    | 94       |
| 25) Isophorone                | 7.498  | 82   | 516831   | 48.984  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.569  | 139  | 143212   | 52.558  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.610  | 122  | 229059   | 54.596  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.710  | 93   | 308254   | 51.885  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.810  | 162  | 223345   | 48.578  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.893  | 180  | 238214   | 47.923  | ng    | 97       |
| 31) Naphthalene               | 7.975  | 128  | 805300   | 46.739  | ng    | 99       |
| 32) Benzoic acid              | 7.681  | 122  | 25262    | 7.786   | ng    | 91       |
| 33) 4-Chloroaniline           | 8.028  | 127  | 209077   | 31.905  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.092  | 225  | 151284   | 47.622  | ng    | 99       |
| 35) Caprolactam               | 8.392  | 113  | 32151    | 24.393  | ng    | 89       |
| 36) 4-Chloro-3-methylphenol   | 8.510  | 107  | 238057   | 46.714  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.663  | 142  | 518019   | 47.154  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.763  | 142  | 486636   | 46.112  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.828  | 216  | 234017   | 51.308  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.816  | 237  | 312460   | 127.956 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 8.939  | 196  | 147813   | 46.436  | ng    | 96       |

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 17 03:22:32 2022  
 Response via : Initial Calibration

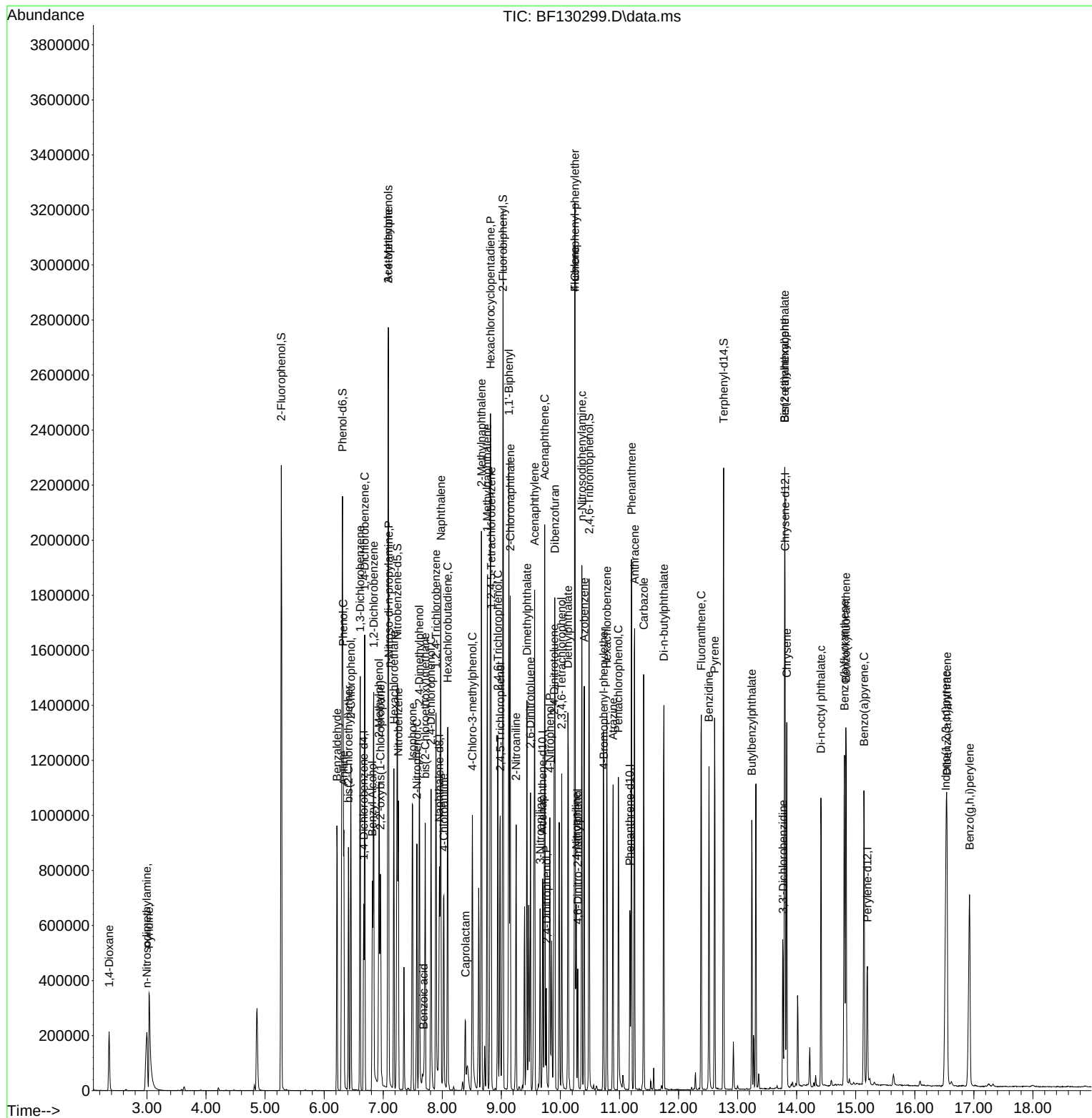
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 8.981  | 196  | 158171   | 46.047 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.128  | 154  | 618633   | 49.562 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.151  | 162  | 482428   | 47.779 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.251  | 65   | 142804   | 42.404 | ng    | 91       |
| 49) Acenaphthylene            | 9.563  | 152  | 706535   | 46.670 | ng    | 100      |
| 50) Dimethylphthalate         | 9.434  | 163  | 518393   | 44.904 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.492  | 165  | 113037   | 46.818 | ng    | 93       |
| 52) Acenaphthene              | 9.734  | 154  | 420491   | 42.274 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.657  | 138  | 83602    | 31.075 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.763  | 184  | 41435    | 35.417 | ng    | # 85     |
| 55) Dibenzofuran              | 9.904  | 168  | 632080   | 45.686 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.822  | 139  | 159736   | 81.518 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 9.892  | 165  | 142826   | 46.287 | ng    | 94       |
| 58) Fluorene                  | 10.245 | 166  | 499524   | 44.148 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.022 | 232  | 103141   | 38.362 | ng    | 99       |
| 60) Diethylphthalate          | 10.128 | 149  | 499801   | 43.172 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.245 | 204  | 232284   | 46.798 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.269 | 138  | 109159   | 40.390 | ng    | 93       |
| 63) Azobenzene                | 10.404 | 77   | 485297   | 40.710 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.292 | 198  | 43105    | 31.594 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.363 | 169  | 407243   | 49.724 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.733 | 248  | 142045   | 52.537 | ng    | 91       |
| 68) Hexachlorobenzene         | 10.786 | 284  | 158103   | 51.586 | ng    | 93       |
| 69) Atrazine                  | 10.892 | 200  | 120854   | 50.494 | ng    | 97       |
| 70) Pentachlorophenol         | 10.981 | 266  | 119953   | 72.926 | ng    | 99       |
| 71) Phenanthrene              | 11.204 | 178  | 627002   | 45.566 | ng    | 99       |
| 72) Anthracene                | 11.257 | 178  | 629816   | 47.430 | ng    | 99       |
| 73) Carbazole                 | 11.410 | 167  | 537353   | 44.839 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.751 | 149  | 645751   | 44.684 | ng    | 98       |
| 75) Fluoranthene              | 12.386 | 202  | 538310   | 40.485 | ng    | 97       |
| 77) Benzidine                 | 12.516 | 184  | 376468   | 89.401 | ng    | 99       |
| 78) Pyrene                    | 12.610 | 202  | 526346   | 41.477 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.239 | 149  | 210352   | 44.745 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.798 | 228  | 450237   | 46.656 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.769 | 252  | 107869   | 41.063 | ng    | # 98     |
| 83) Chrysene                  | 13.833 | 228  | 425418   | 46.428 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.798 | 149  | 277953   | 51.617 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.410 | 149  | 489217   | 59.398 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.527 | 276  | 647612   | 51.222 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.810 | 252  | 551395   | 47.384 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.833 | 252  | 511072   | 44.646 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.139 | 252  | 484025   | 52.502 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.545 | 278  | 559913   | 53.984 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 16.927 | 276  | 545091   | 52.171 | ng    | 98       |

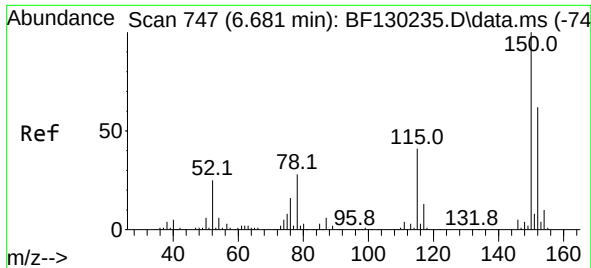
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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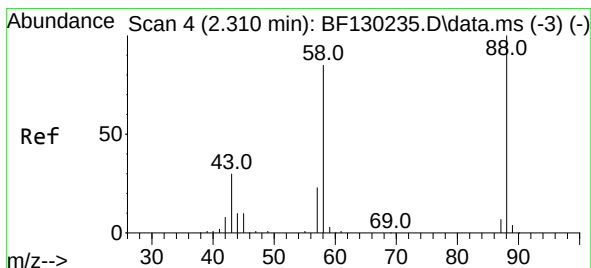
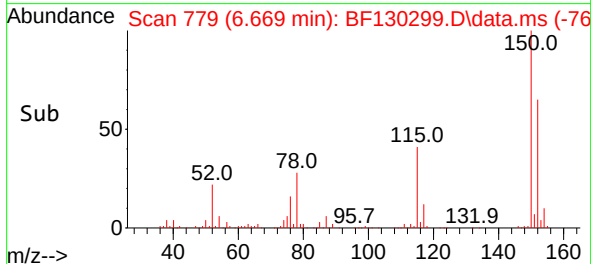
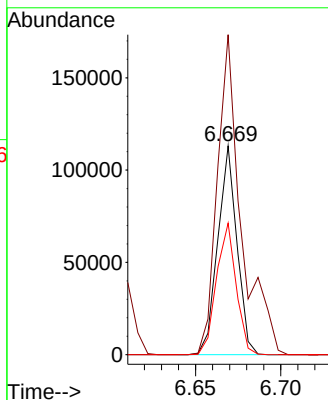
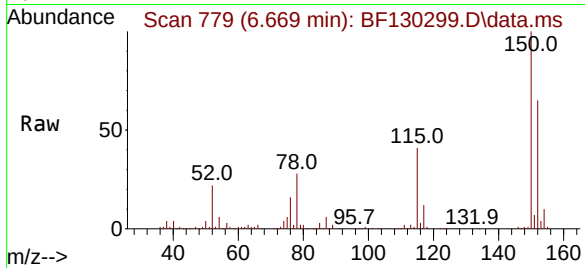




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.669 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

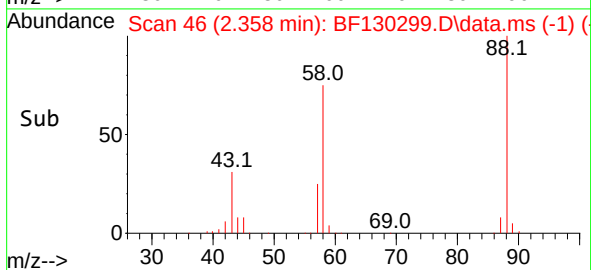
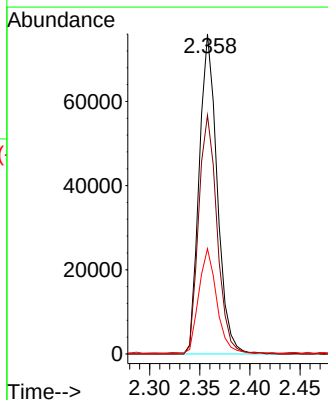
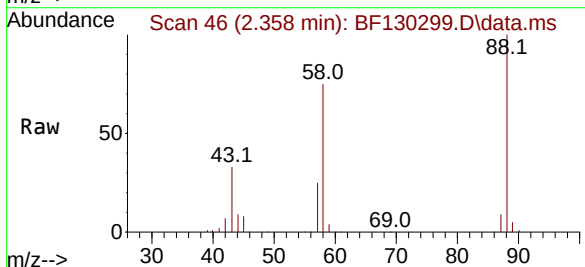
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

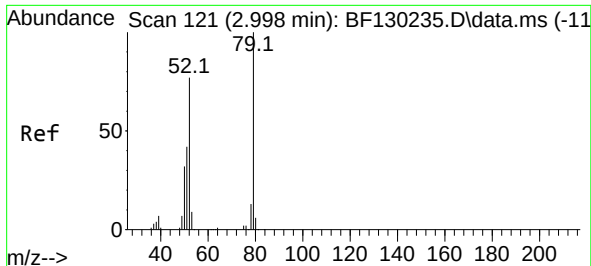
Tgt Ion:152 Resp: 88479  
 Ion Ratio Lower Upper  
 152 100  
 150 153.3 122.8 184.2  
 115 63.0 53.8 80.8



#2  
 1,4-Dioxane  
 Concen: 40.665 ng  
 RT: 2.358 min Scan# 46  
 Delta R.T. 0.053 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

Tgt Ion: 88 Resp: 95270  
 Ion Ratio Lower Upper  
 88 100  
 58 76.4 61.3 91.9  
 43 32.1 23.0 34.6





#3

Pyridine

Concen: 38.731 ng

RT: 3.034 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

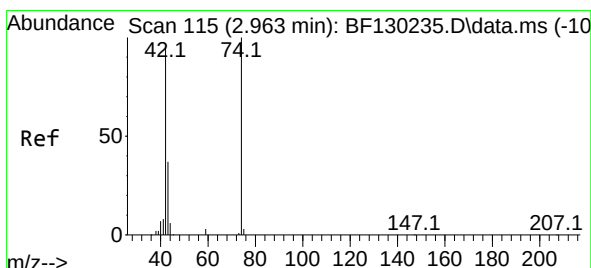
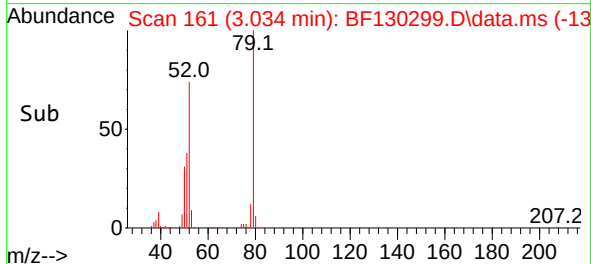
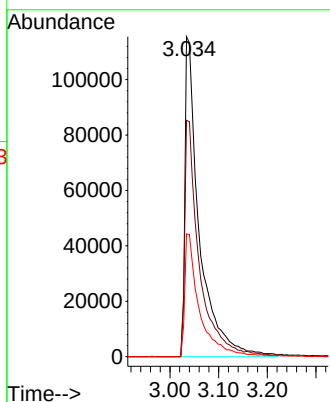
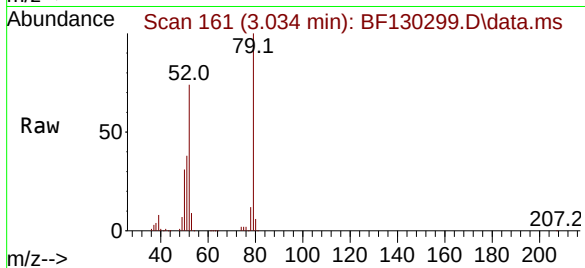
Tgt Ion: 79 Resp: 236701

Ion Ratio Lower Upper

79 100

52 73.8 62.4 93.6

51 38.4 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 43.131 ng

RT: 2.999 min Scan# 155

Delta R.T. 0.047 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

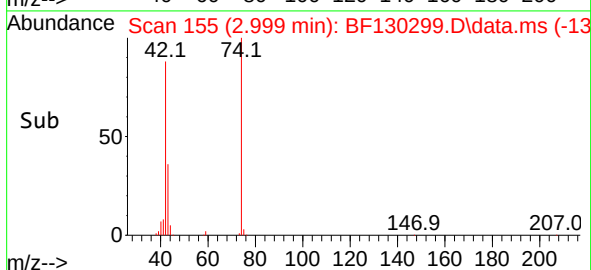
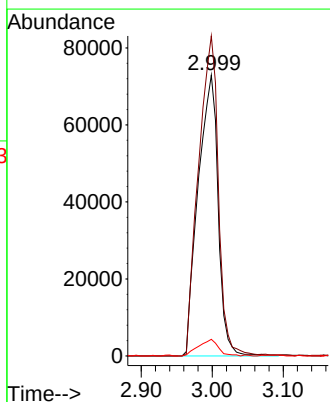
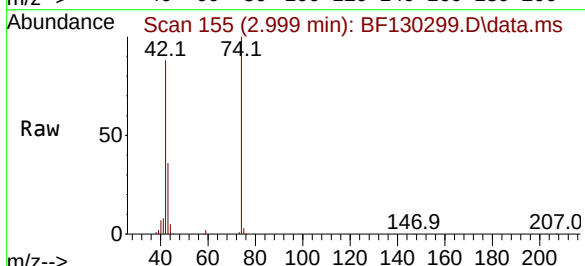
Tgt Ion: 42 Resp: 143364

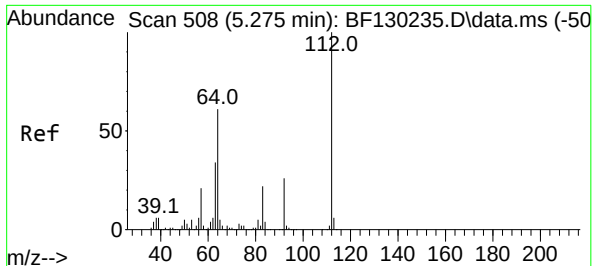
Ion Ratio Lower Upper

42 100

74 113.9 88.4 132.6

44 5.9 5.0 7.4

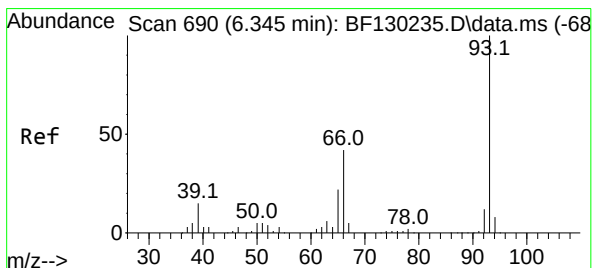
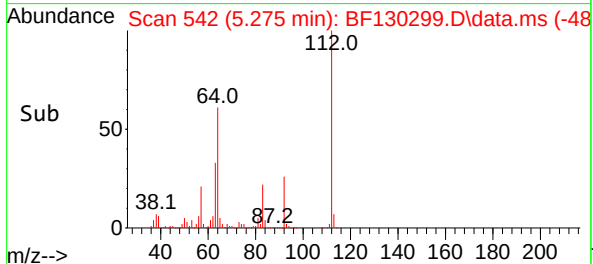
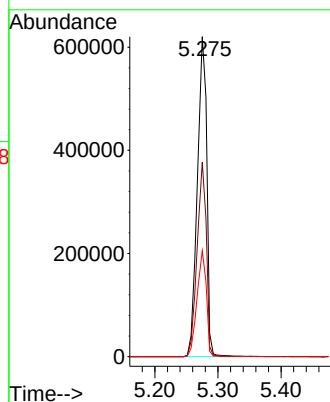
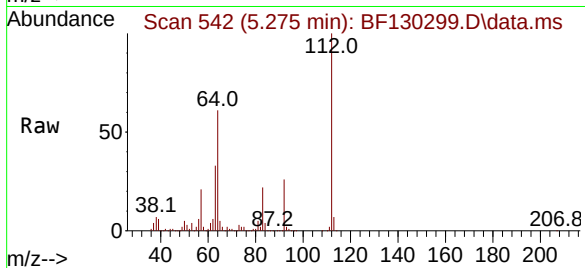




#5  
2-Fluorophenol  
Concen: 126.169 ng  
RT: 5.275 min Scan# 54  
Delta R.T. 0.012 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

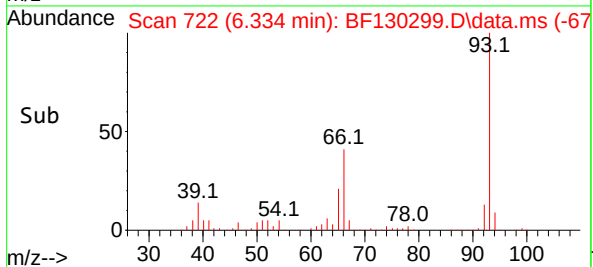
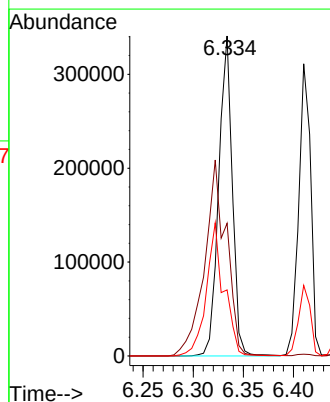
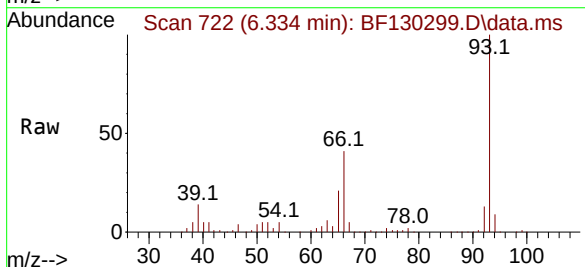
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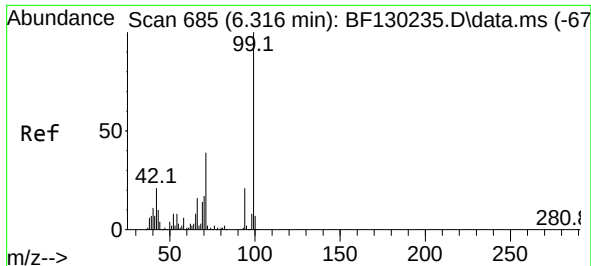
Tgt Ion:112 Resp: 643617  
Ion Ratio Lower Upper  
112 100  
64 60.7 51.4 77.0  
63 33.1 28.8 43.2



#6  
Aniline  
Concen: 40.888 ng  
RT: 6.334 min Scan# 722  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
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Tgt Ion: 93 Resp: 321565  
Ion Ratio Lower Upper  
93 100  
66 41.5 34.2 51.4  
65 20.6 16.6 24.8

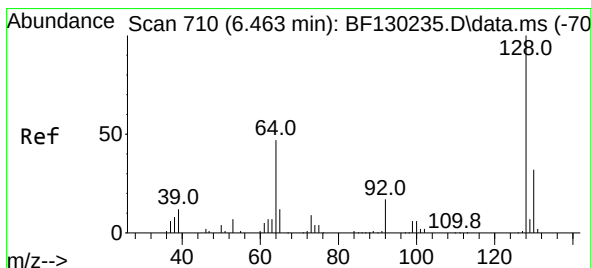
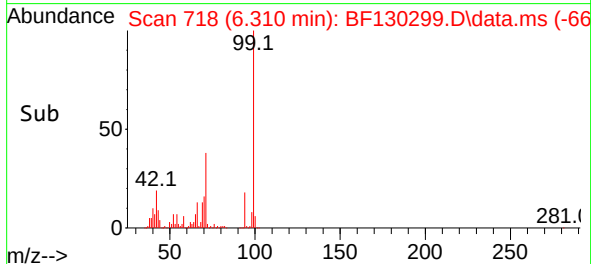
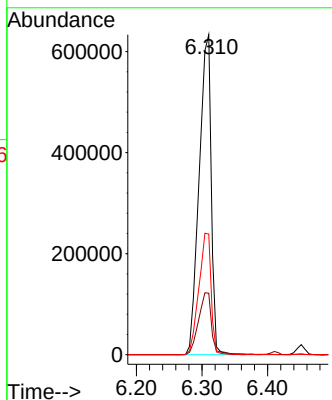
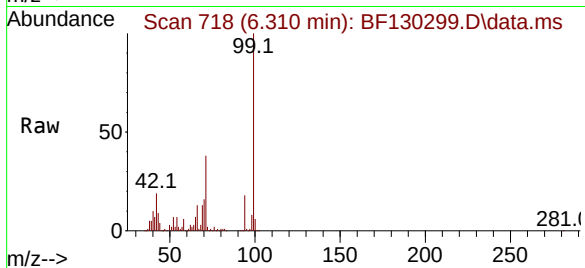




#7  
Phenol-d6  
Concen: 127.676 ng  
RT: 6.310 min Scan# 710  
Delta R.T. 0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

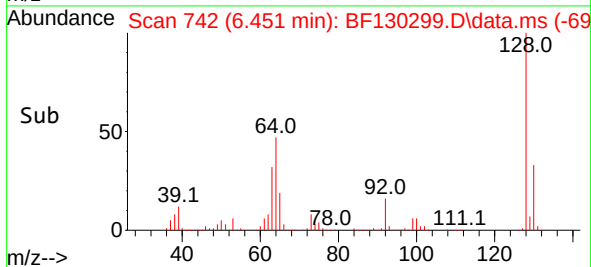
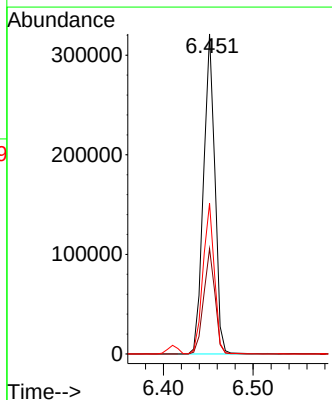
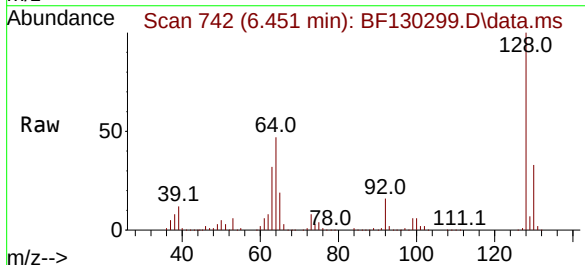
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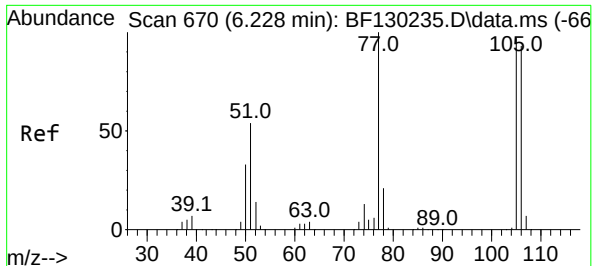
Tgt Ion: 99 Resp: 814932  
Ion Ratio Lower Upper  
99 100  
42 19.2 17.0 25.6  
71 37.7 32.3 48.5



#8  
2-Chlorophenol  
Concen: 48.680 ng  
RT: 6.451 min Scan# 742  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
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Tgt Ion: 128 Resp: 282879  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.4 52.4  
64 47.1 31.6 71.6

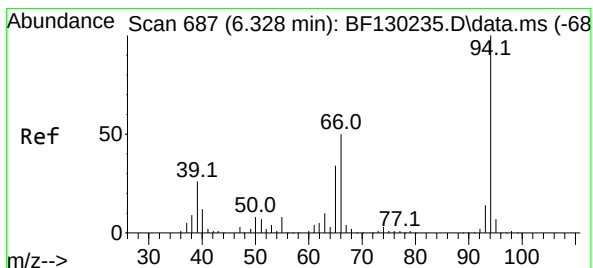
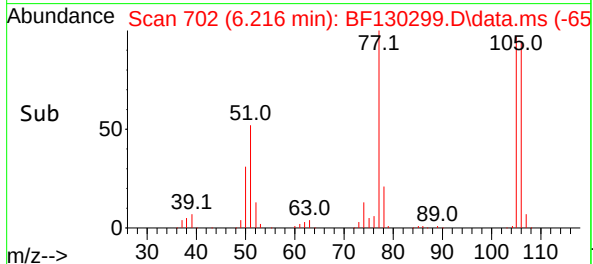
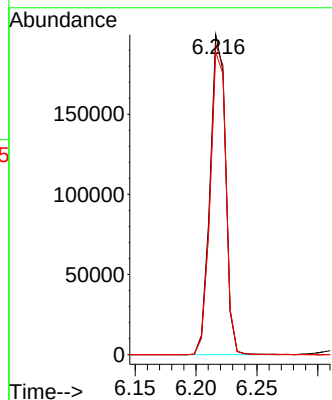
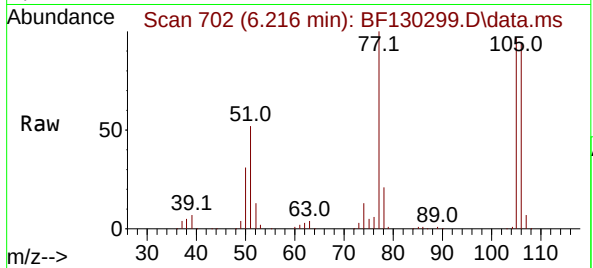




#9  
Benzaldehyde  
Concen: 41.412 ng  
RT: 6.216 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

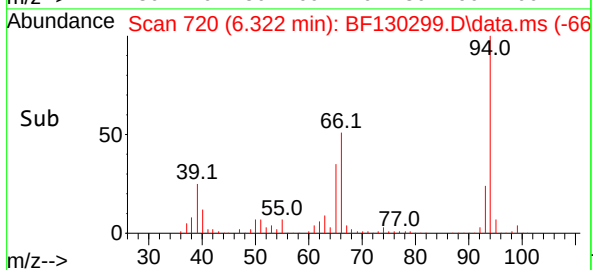
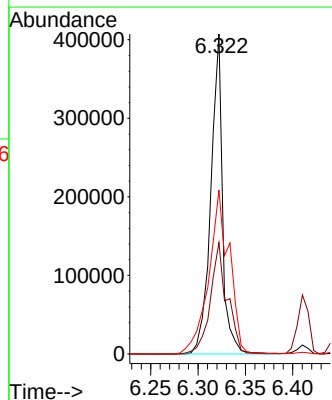
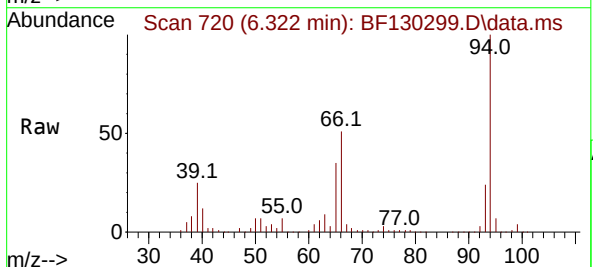
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 177056 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 97.0  | 75.1  | 115.1  |
| 106       | 94.5  | 69.7  | 109.7  |

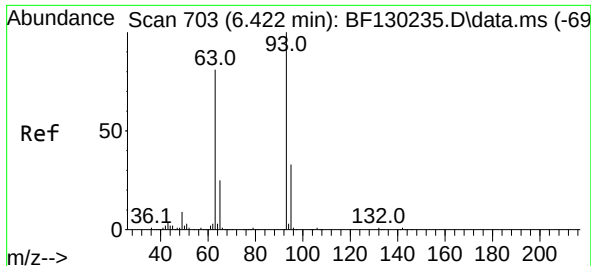


#10  
Phenol  
Concen: 47.052 ng  
RT: 6.322 min Scan# 720  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 351954 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 34.8  | 14.1  | 54.1   |
| 66        | 51.2  | 28.1  | 68.1   |







#11

bis(2-Chloroethyl)ether

Concen: 47.390 ng

RT: 6.410 min Scan# 710

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

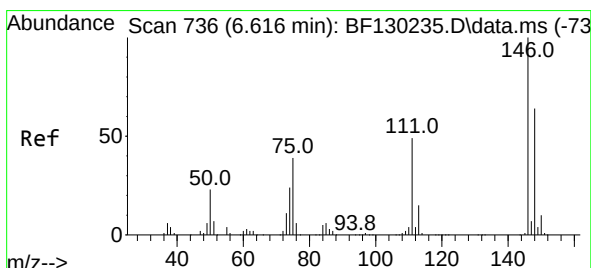
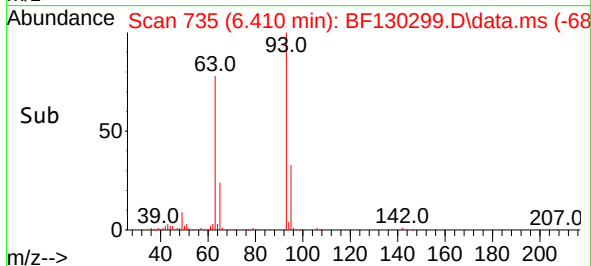
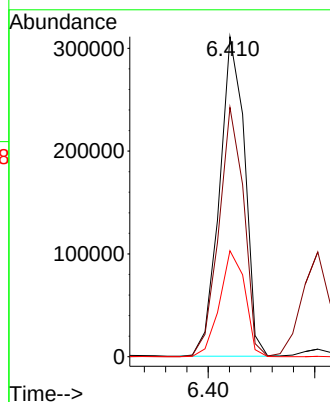
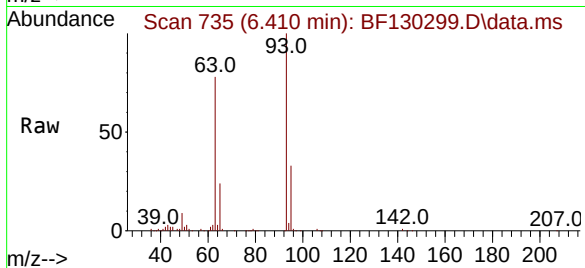
Tgt Ion: 93 Resp: 255681

Ion Ratio Lower Upper

93 100

63 77.9 62.5 102.5

95 33.1 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 48.554 ng

RT: 6.610 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

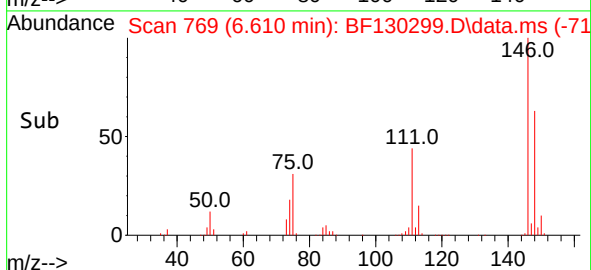
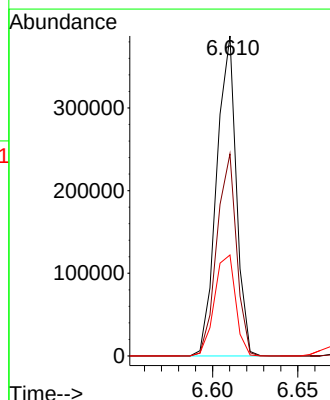
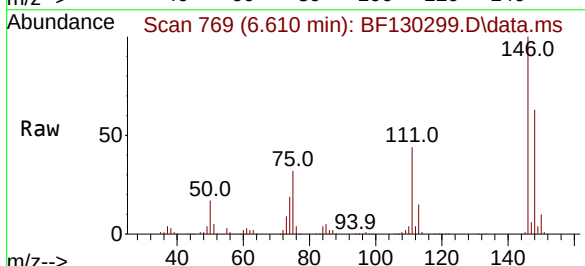
Tgt Ion:146 Resp: 310456

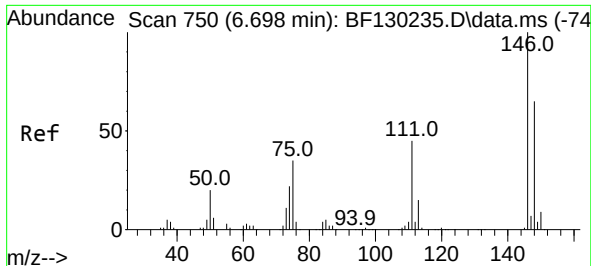
Ion Ratio Lower Upper

146 100

148 63.1 51.4 77.2

75 31.6 28.8 43.2

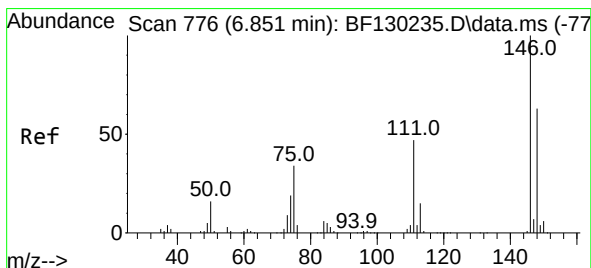
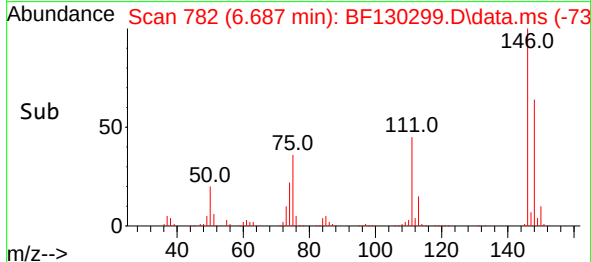
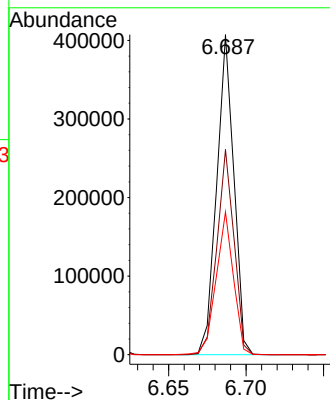
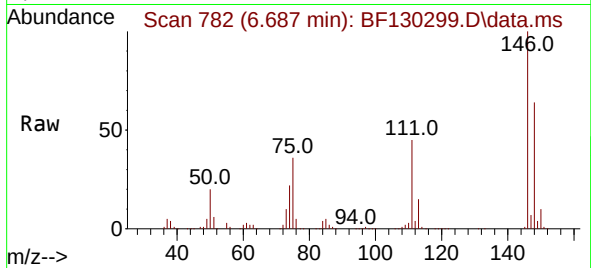




#13  
 1,4-Dichlorobenzene  
 Concen: 48.128 ng  
 RT: 6.687 min Scan# 711  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

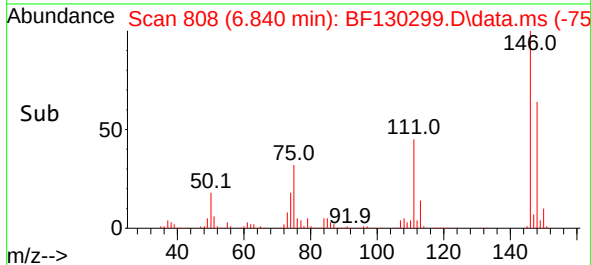
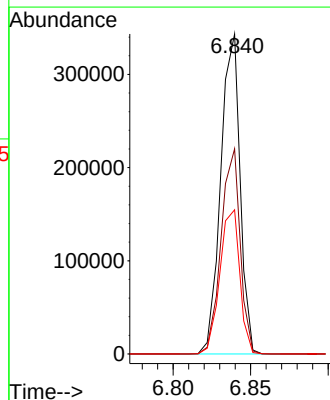
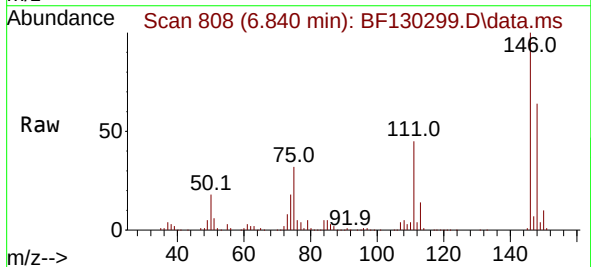
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

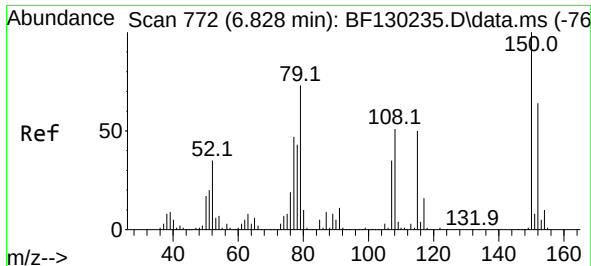
Tgt Ion:146 Resp: 313815  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 50.3 75.5  
 111 44.6 36.3 54.5



#14  
 1,2-Dichlorobenzene  
 Concen: 48.921 ng  
 RT: 6.840 min Scan# 808  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

Tgt Ion:146 Resp: 297978  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 51.6 77.4  
 111 45.1 39.2 58.8

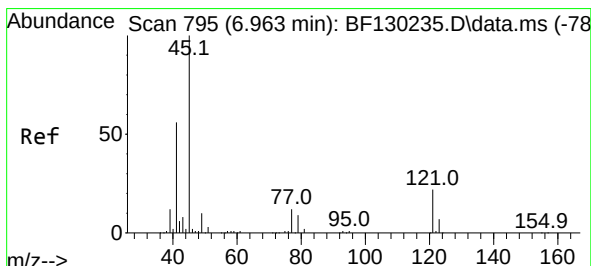
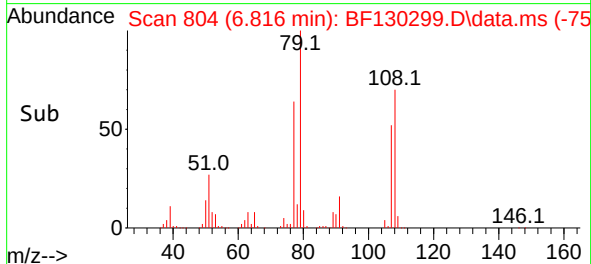
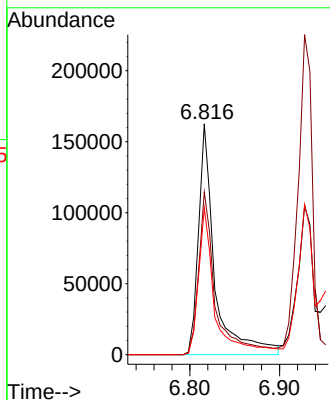
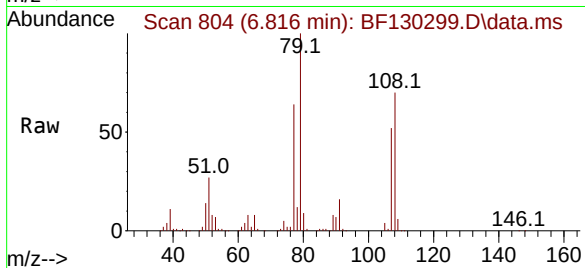




#15  
Benzyl Alcohol  
Concen: 40.735 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

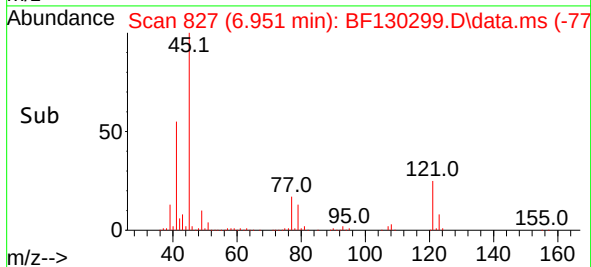
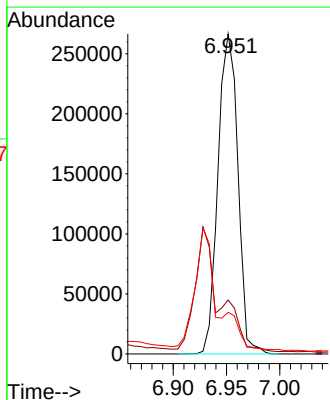
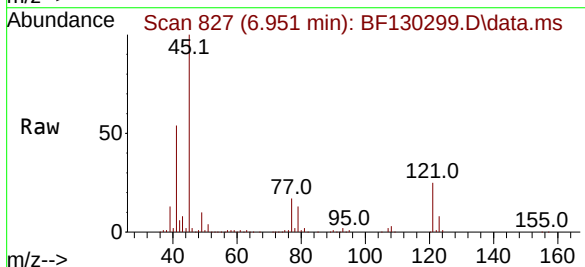
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

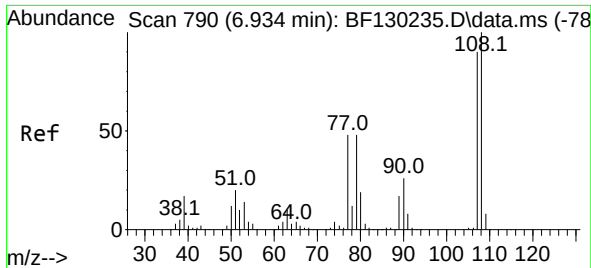
Tgt Ion: 79 Resp: 206149  
Ion Ratio Lower Upper  
79 100  
108 70.4 54.0 81.0  
77 63.6 51.3 76.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.923 ng  
RT: 6.951 min Scan# 827  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion: 45 Resp: 345632  
Ion Ratio Lower Upper  
45 100  
77 16.9 0.0 34.9  
79 13.0 0.0 31.0



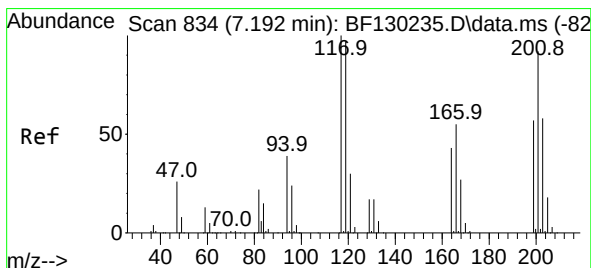
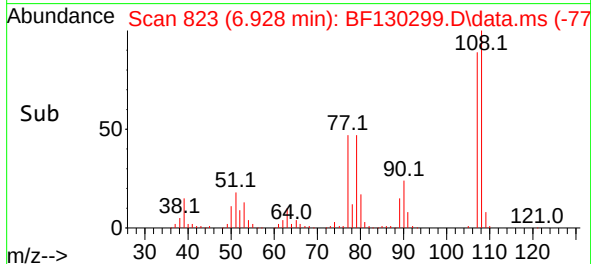
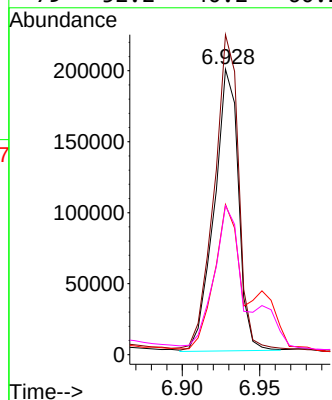
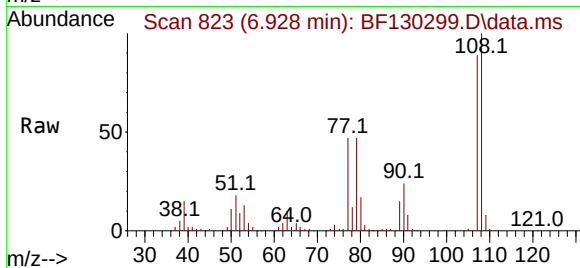


#17  
2-Methylphenol  
Concen: 45.682 ng  
RT: 6.928 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

Tgt Ion:107 Resp: 215792

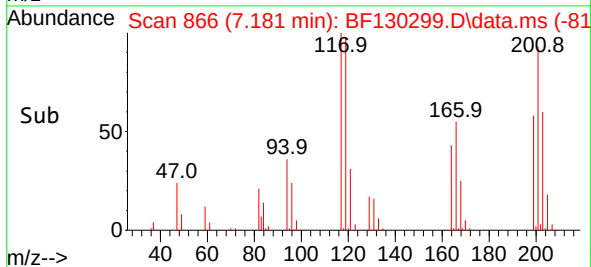
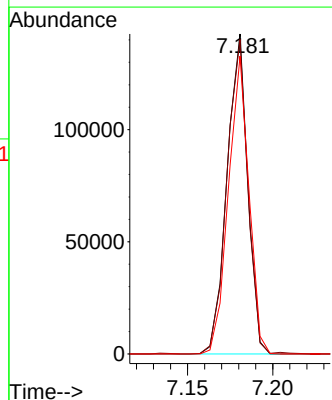
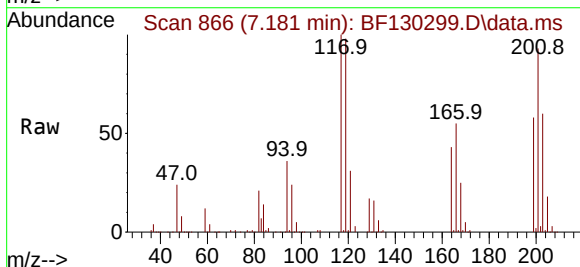
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 112.1 | 89.4  | 134.0 |
| 77  | 52.6  | 40.6  | 60.8  |
| 79  | 52.2  | 40.2  | 60.2  |

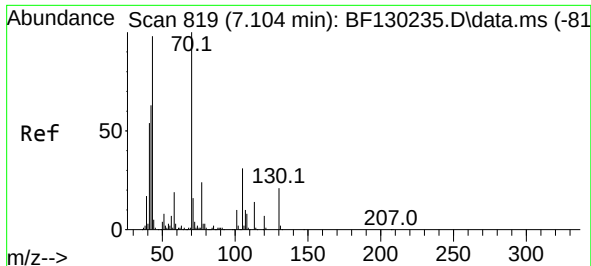


#18  
Hexachloroethane  
Concen: 46.917 ng  
RT: 7.181 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:117 Resp: 120585

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 98.3  | 77.8  | 116.6 |
| 201 | 93.1  | 68.7  | 103.1 |



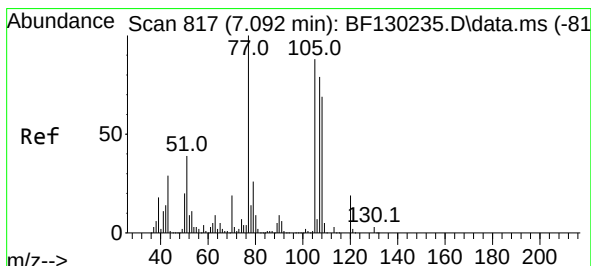
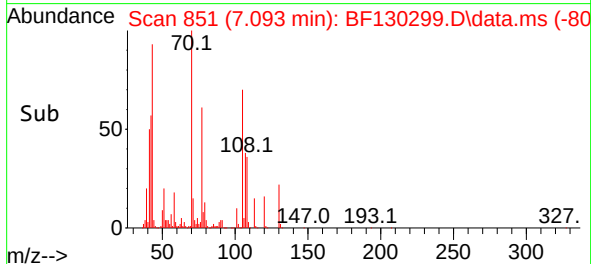
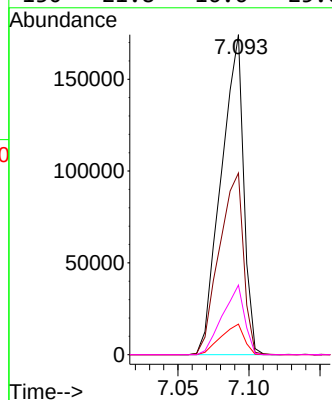
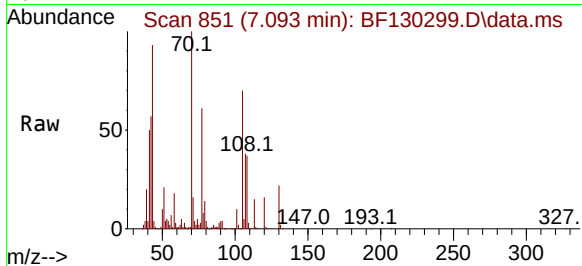


#19  
n-Nitroso-di-n-propylamine  
Concen: 44.597 ng  
RT: 7.093 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

Tgt Ion: 70 Resp: 192080

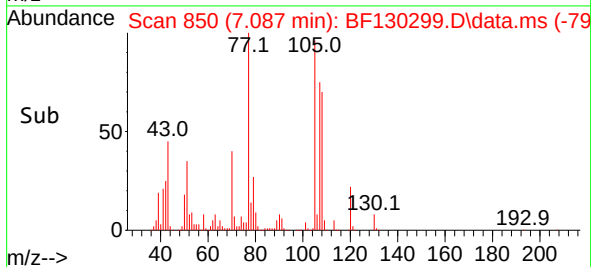
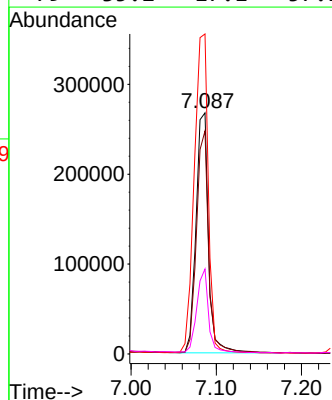
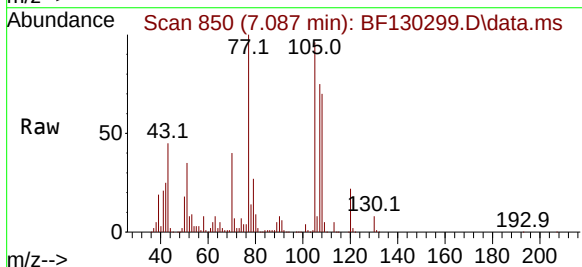
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 56.8  | 50.8  | 76.2  |
| 101 | 9.6   | 8.2   | 12.4  |
| 130 | 21.8  | 16.6  | 25.0  |

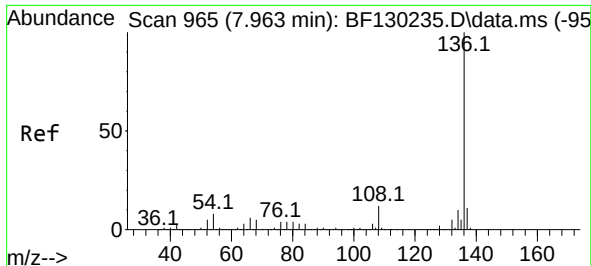


#20  
3+4-Methylphenols  
Concen: 44.301 ng  
RT: 7.087 min Scan# 850  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion: 107 Resp: 271848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 92.5  | 74.8  | 114.8 |
| 77  | 132.7 | 125.8 | 165.8 |
| 79  | 35.2  | 17.1  | 57.1  |

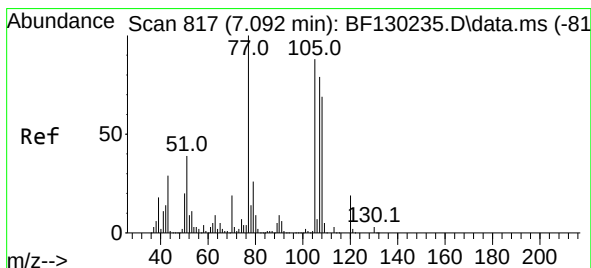
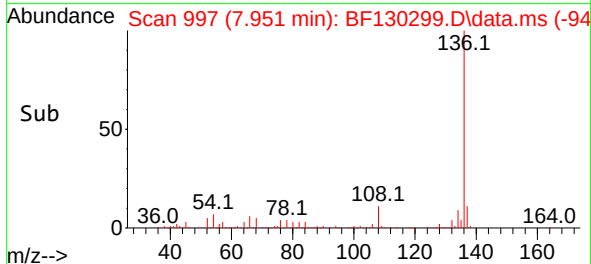
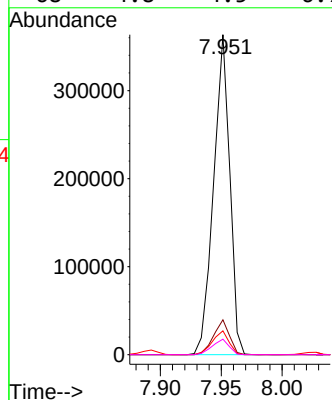
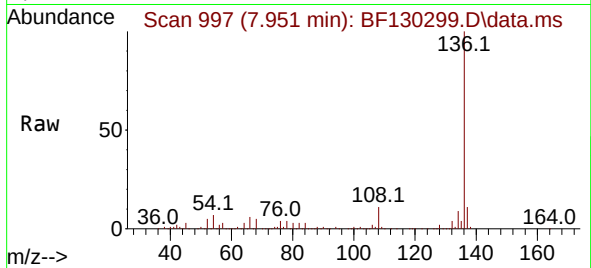




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.951 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

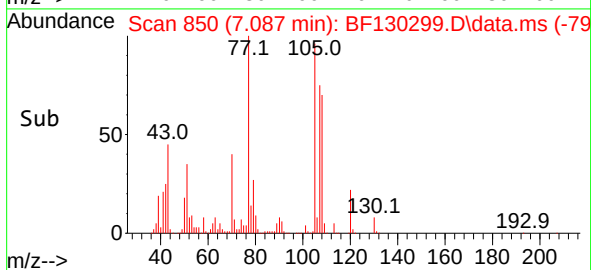
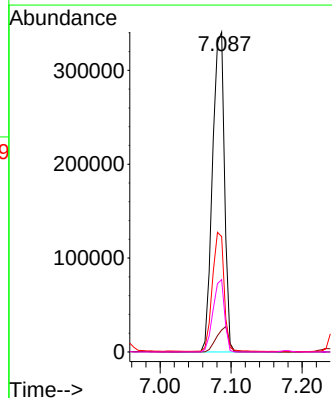
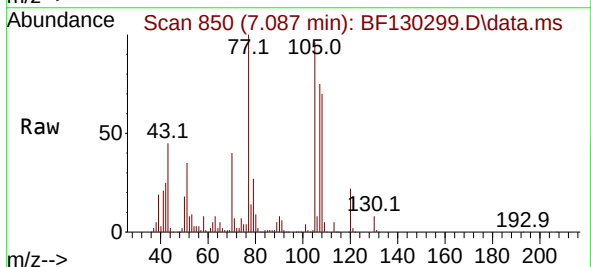
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

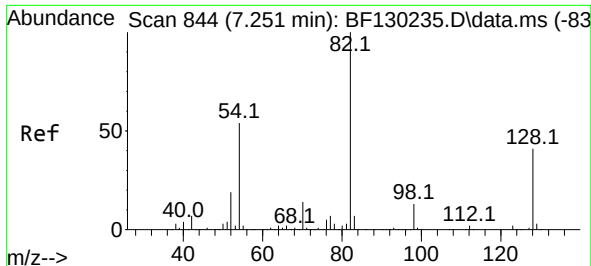
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 334438 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.9    | 9.1   | 13.7   |
| 54  | 7.5     | 7.1   | 10.7   |
| 68  | 4.8     | 4.5   | 6.7    |



#22  
Acetophenone  
Concen: 48.793 ng  
RT: 7.087 min Scan# 850  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 398957 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 6.8     | 3.9   | 5.9#   |
| 51  | 36.0    | 32.2  | 48.2   |
| 120 | 22.6    | 17.3  | 25.9   |





#23

Nitrobenzene-d5

Concen: 82.976 ng

RT: 7.240 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

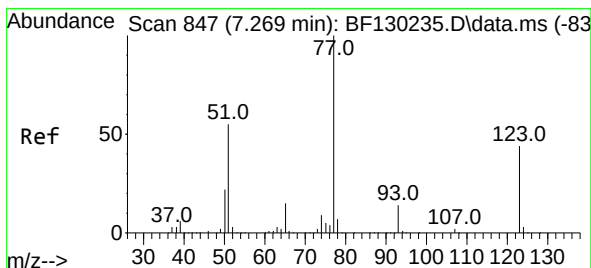
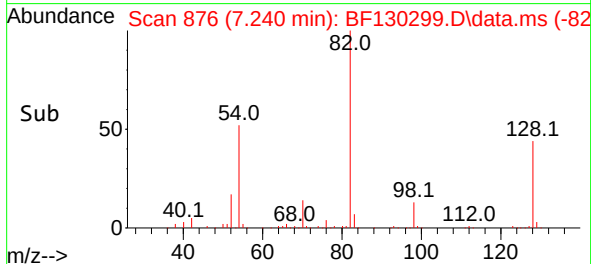
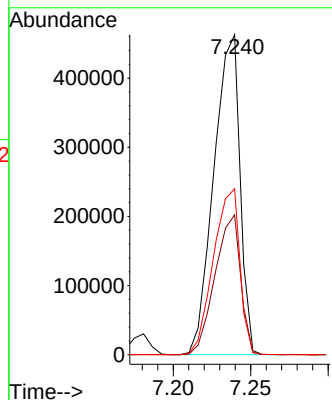
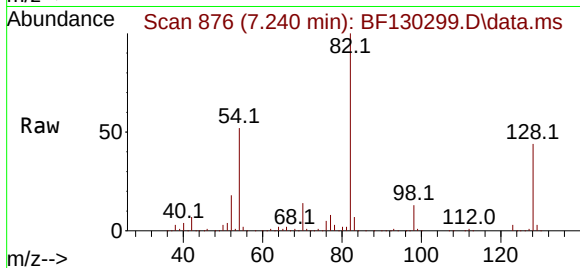
Tgt Ion: 82 Resp: 543179

Ion Ratio Lower Upper

82 100

128 43.7 32.6 49.0

54 51.8 43.8 65.6



#24

Nitrobenzene

Concen: 45.034 ng

RT: 7.257 min Scan# 879

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

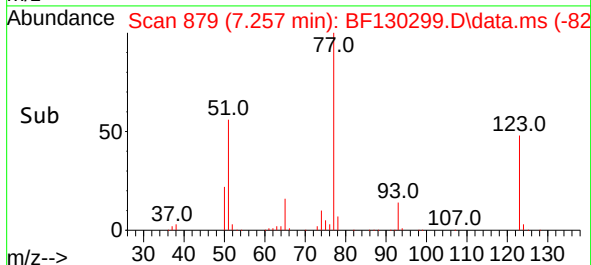
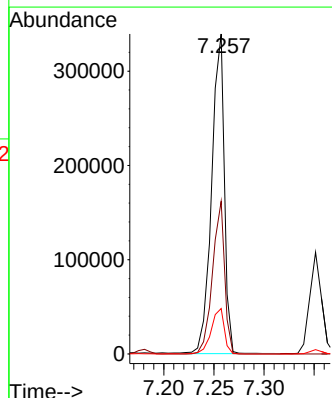
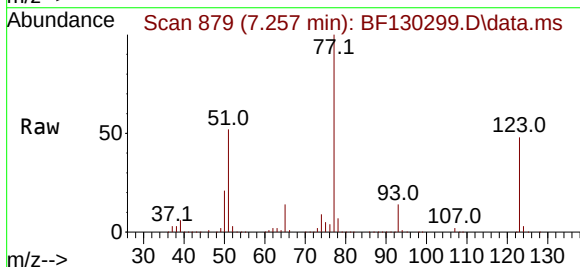
Tgt Ion: 77 Resp: 299342

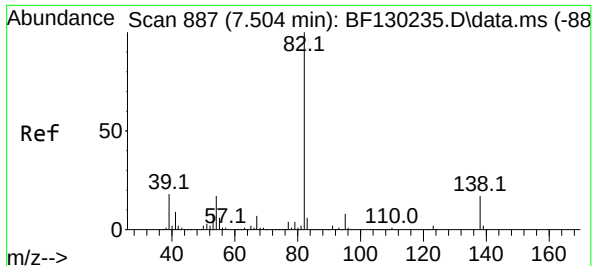
Ion Ratio Lower Upper

77 100

123 47.7 34.3 51.5

65 14.2 12.0 18.0

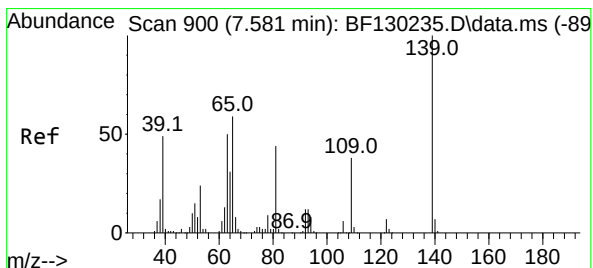
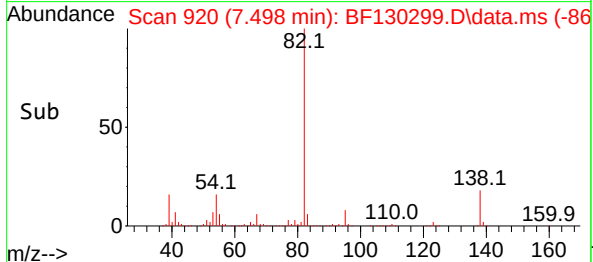
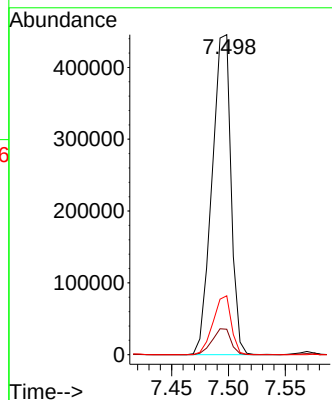
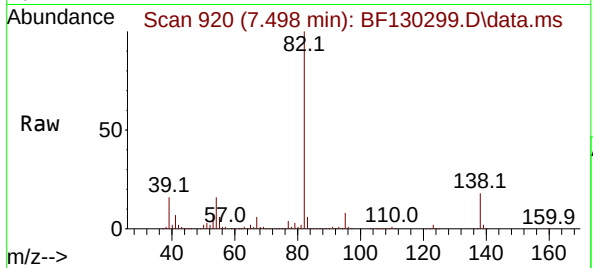




#25  
Isophorone  
Concen: 48.984 ng  
RT: 7.498 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

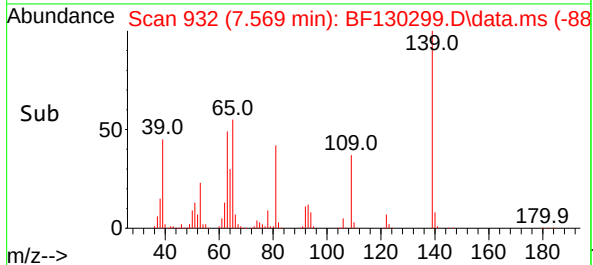
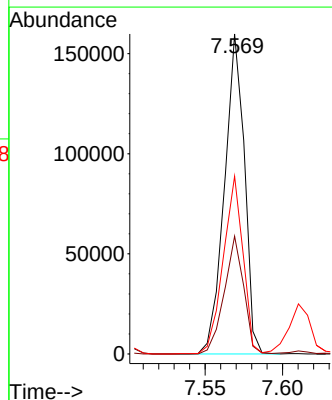
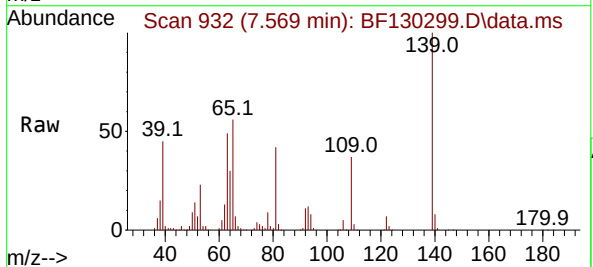
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

Tgt Ion: 82 Resp: 516831  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 18.4 13.8 20.6

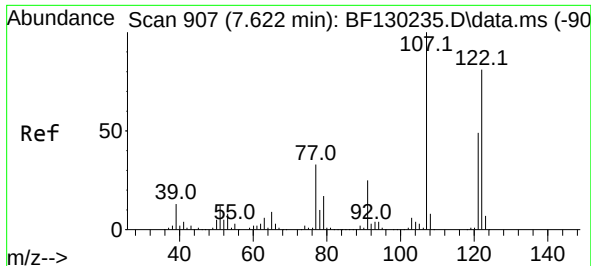


#26  
2-Nitrophenol  
Concen: 52.558 ng  
RT: 7.569 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion: 139 Resp: 143212  
Ion Ratio Lower Upper  
139 100  
109 36.8 30.2 45.4  
65 55.6 48.9 73.3







#27

2,4-Dimethylphenol

Concen: 54.596 ng

RT: 7.610 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

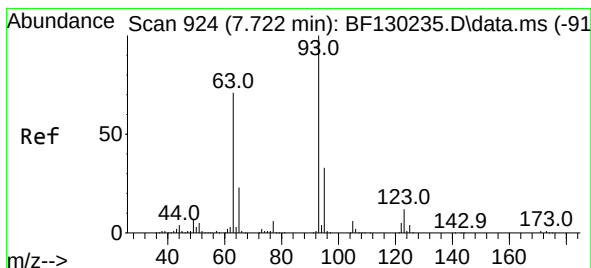
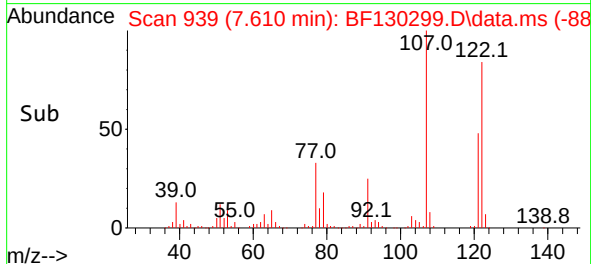
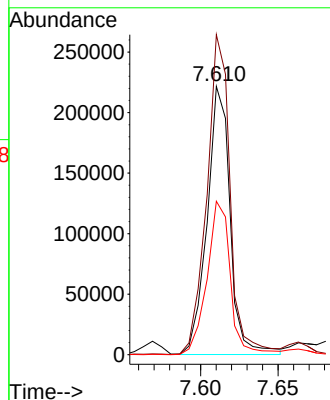
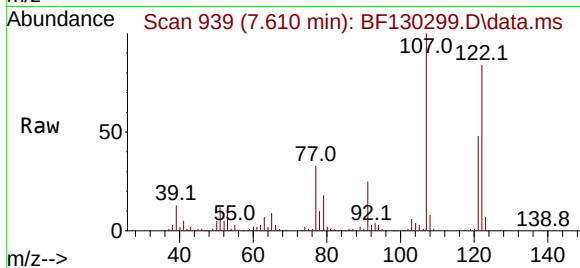
Tgt Ion:122 Resp: 229059

Ion Ratio Lower Upper

122 100

107 119.3 100.2 150.2

121 57.2 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 51.885 ng

RT: 7.710 min Scan# 956

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

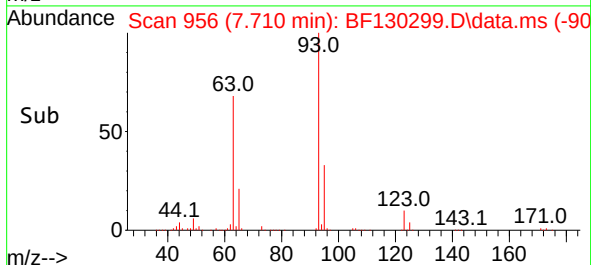
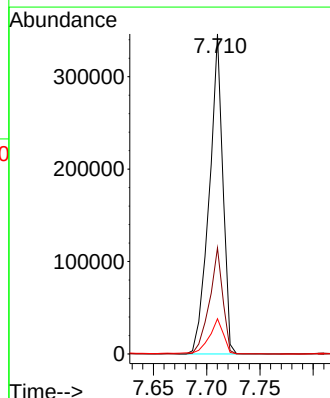
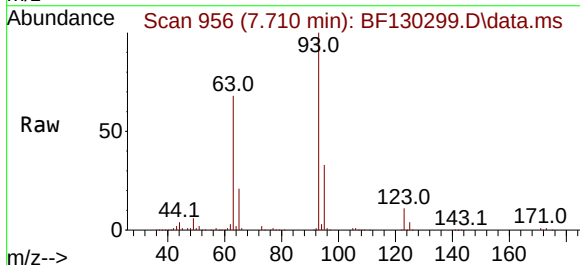
Tgt Ion: 93 Resp: 308254

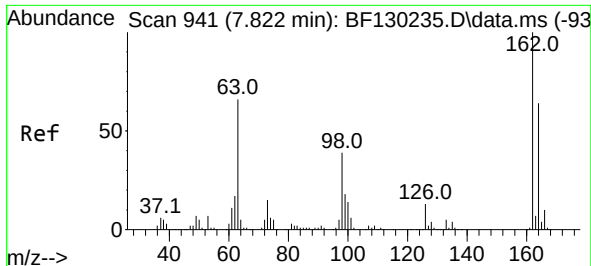
Ion Ratio Lower Upper

93 100

95 33.2 26.3 39.5

123 11.0 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 48.578 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

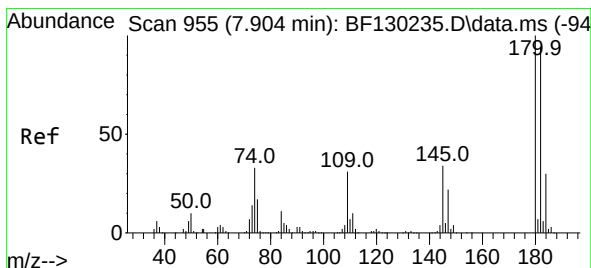
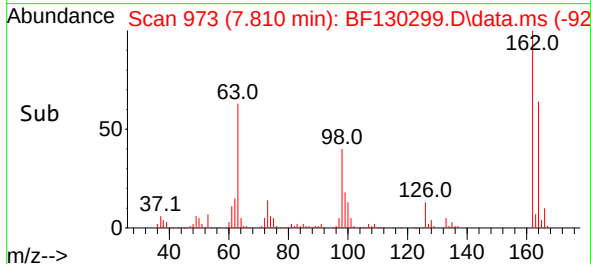
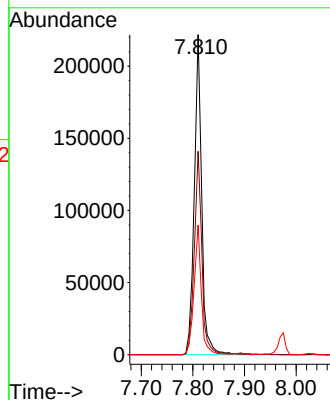
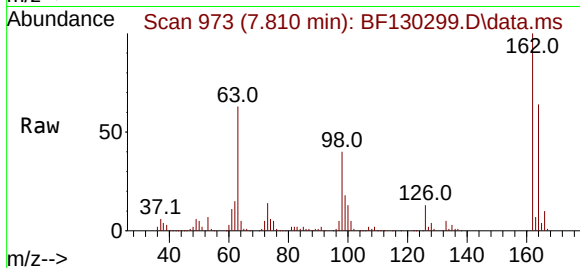
Tgt Ion:162 Resp: 223345

Ion Ratio Lower Upper

162 100

164 63.5 42.2 82.2

98 40.5 21.7 61.7



#30

1,2,4-Trichlorobenzene

Concen: 47.923 ng

RT: 7.893 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

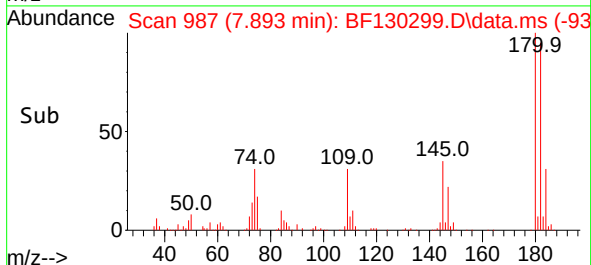
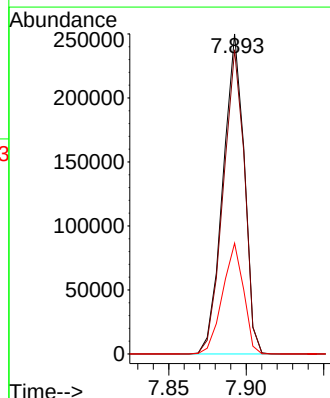
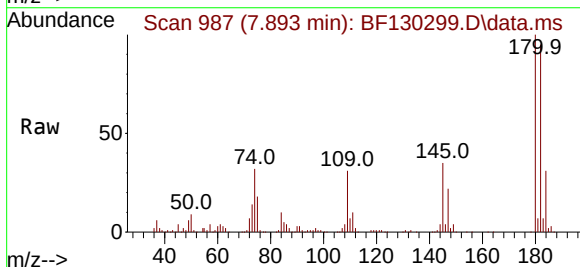
Tgt Ion:180 Resp: 238214

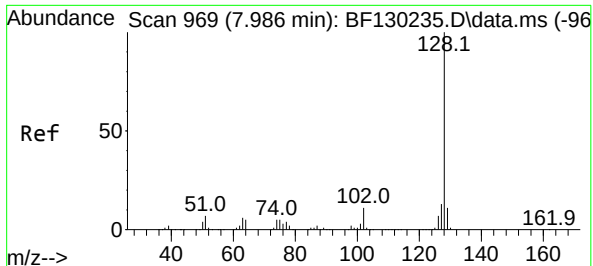
Ion Ratio Lower Upper

180 100

182 95.0 73.3 109.9

145 34.6 28.3 42.5

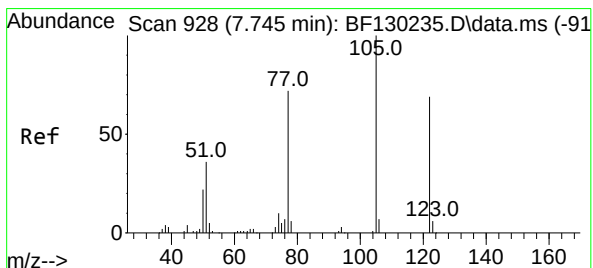
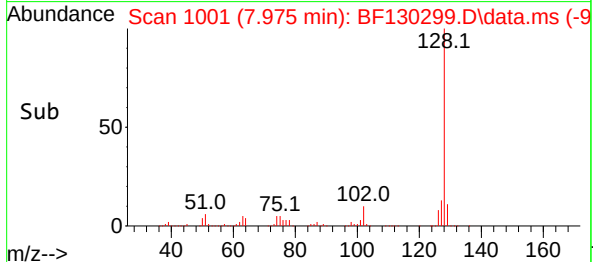
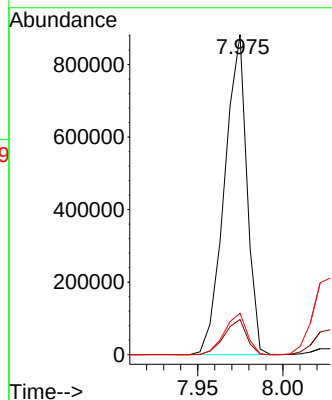
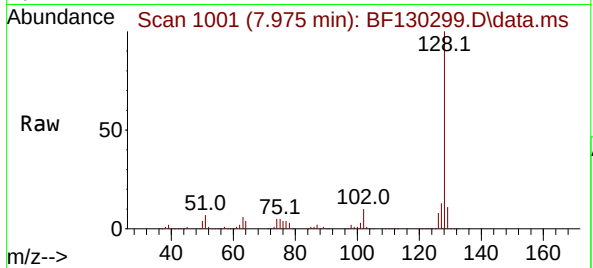




#31  
Naphthalene  
Concen: 46.739 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

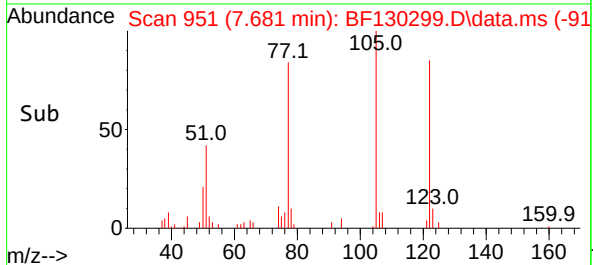
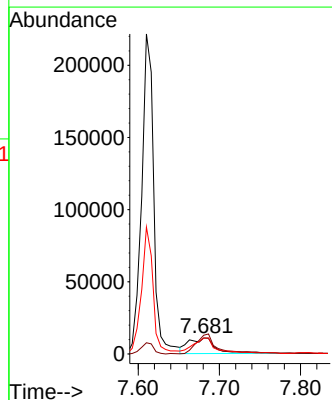
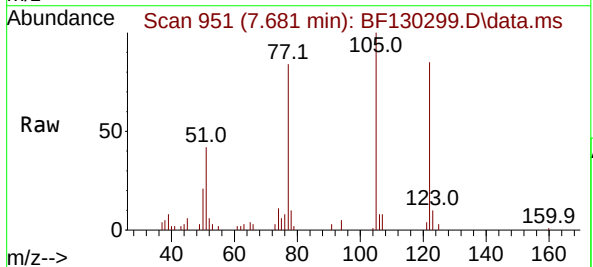
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

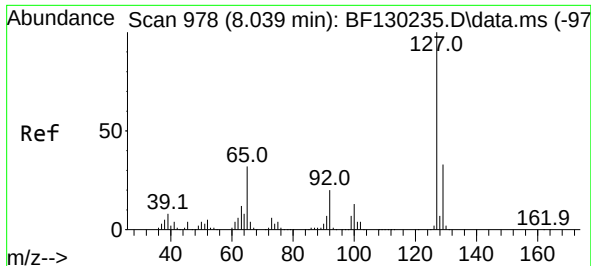
Tgt Ion:128 Resp: 805300  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.1 13.7  
127 13.0 10.6 16.0



#32  
Benzoic acid  
Concen: 7.786 ng  
RT: 7.681 min Scan# 951  
Delta R.T. -0.059 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:122 Resp: 25262  
Ion Ratio Lower Upper  
122 100  
105 117.6 112.9 152.9  
77 99.2 82.8 122.8

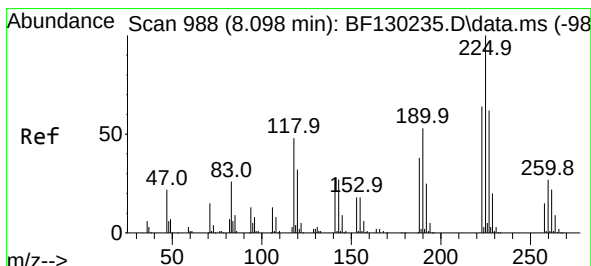
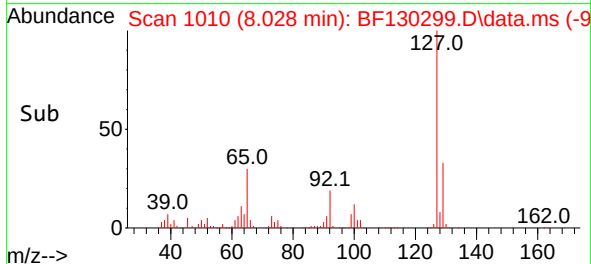
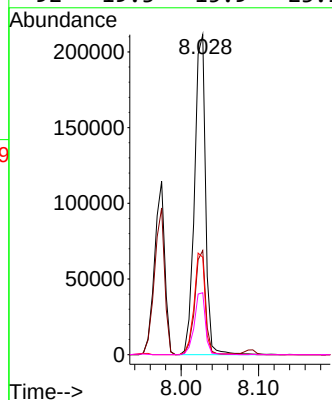
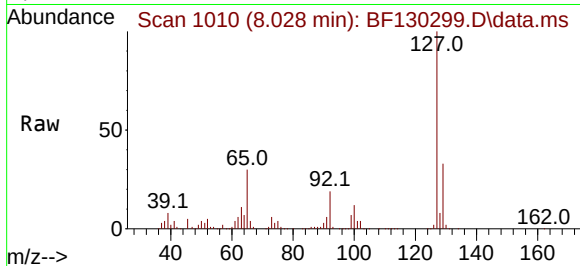




#33  
4-Chloroaniline  
Concen: 31.905 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

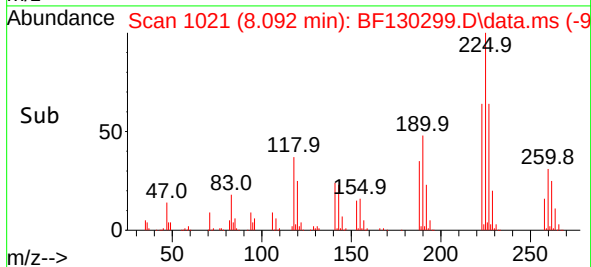
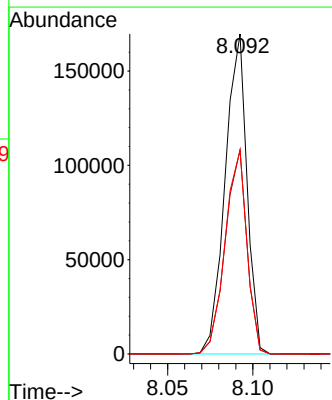
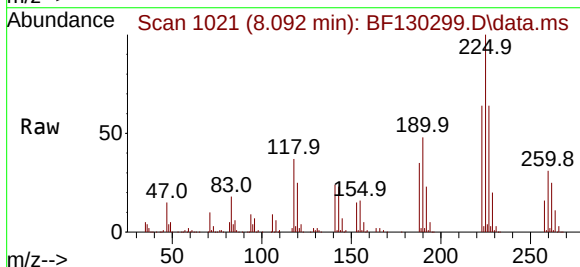
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

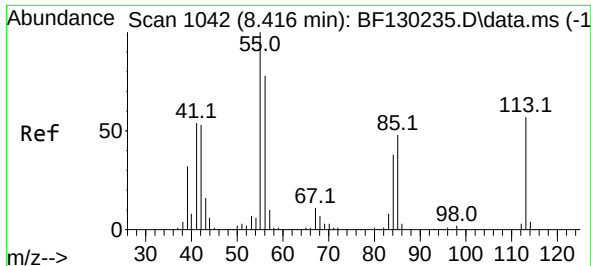
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 209077 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 25.6  | 38.4   |
| 65       | 30.4  | 27.0  | 40.6   |
| 92       | 19.3  | 15.9  | 23.9   |



#34  
Hexachlorobutadiene  
Concen: 47.622 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 151284 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.8  | 50.3  | 75.5   |
| 227      | 63.7  | 51.1  | 76.7   |

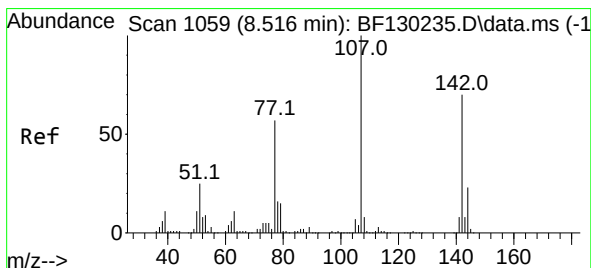
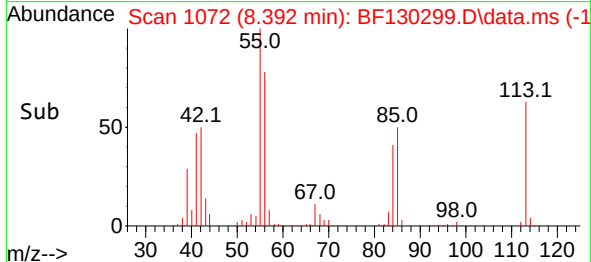
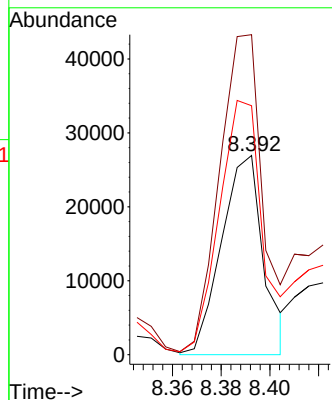
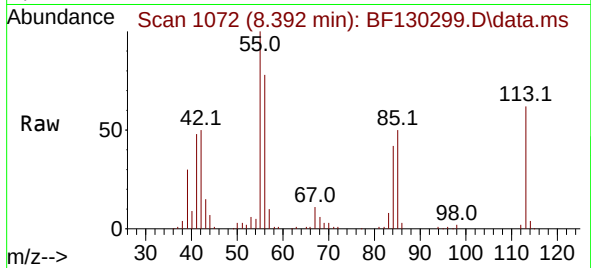




#35  
 Caprolactam  
 Concen: 24.393 ng  
 RT: 8.392 min Scan# 1072  
 Delta R.T. -0.012 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

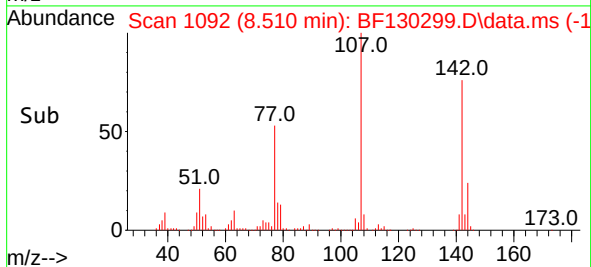
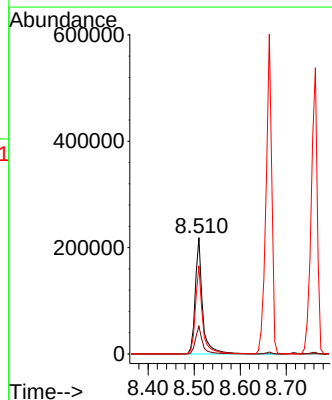
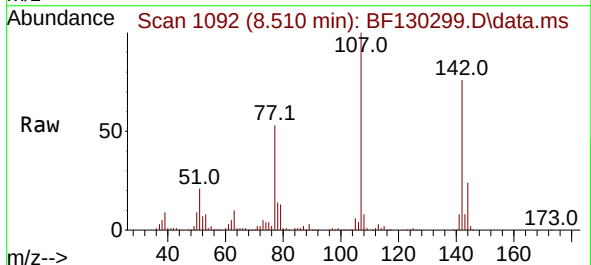
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

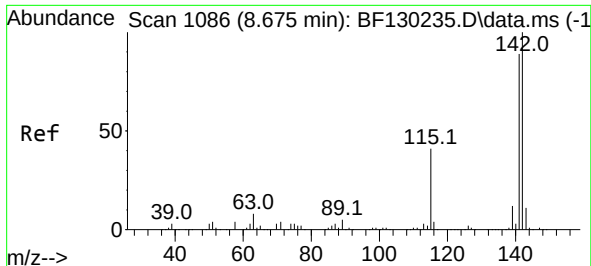
Tgt Ion:113 Resp: 32151  
 Ion Ratio Lower Upper  
 113 100  
 55 160.7 155.4 195.4  
 56 125.0 120.4 160.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.714 ng  
 RT: 8.510 min Scan# 1092  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

Tgt Ion:107 Resp: 238057  
 Ion Ratio Lower Upper  
 107 100  
 144 23.8 20.0 30.0  
 142 75.8 61.3 91.9

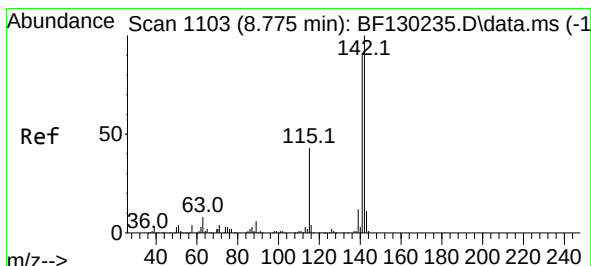
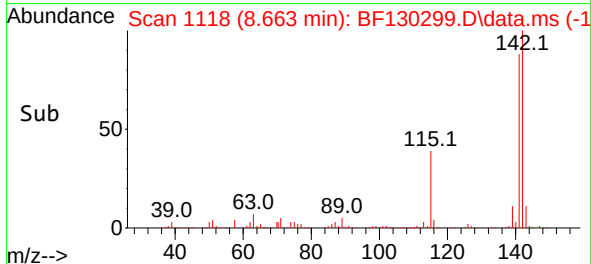
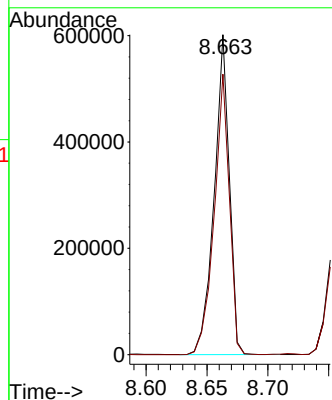
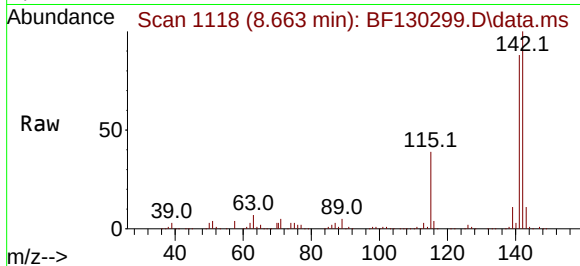




#37  
2-Methylnaphthalene  
Concen: 47.154 ng  
RT: 8.663 min Scan# 1118  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

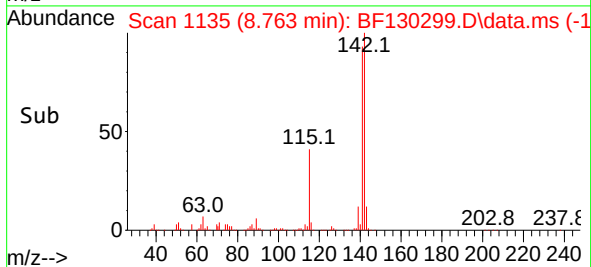
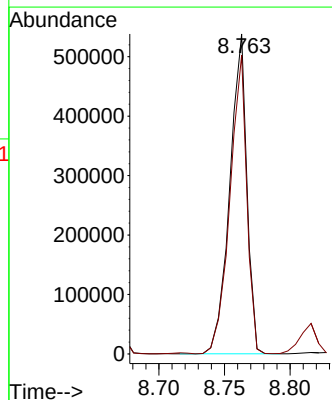
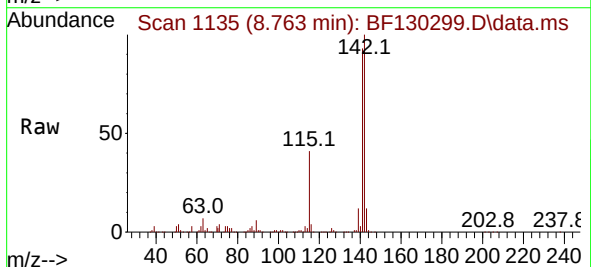
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

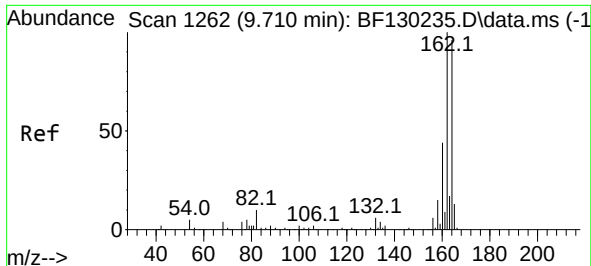
Tgt Ion:142 Resp: 518019  
Ion Ratio Lower Upper  
142 100  
141 87.7 70.0 105.0



#38  
1-Methylnaphthalene  
Concen: 46.112 ng  
RT: 8.763 min Scan# 1135  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:142 Resp: 486636  
Ion Ratio Lower Upper  
142 100  
141 93.4 73.8 110.8

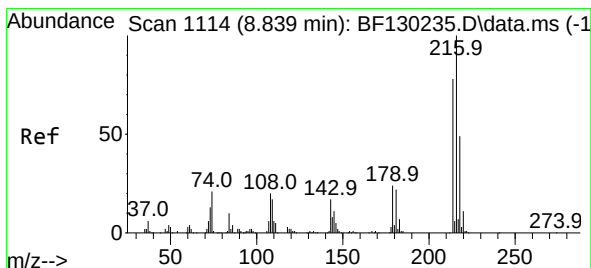
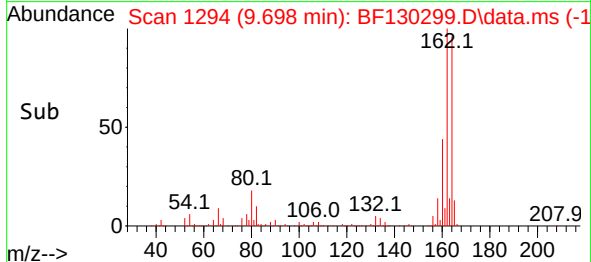
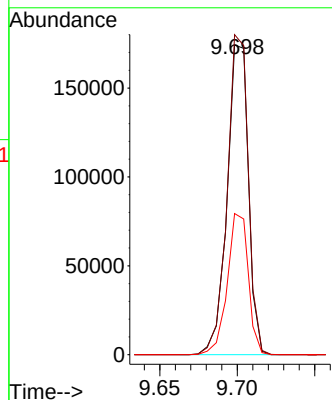
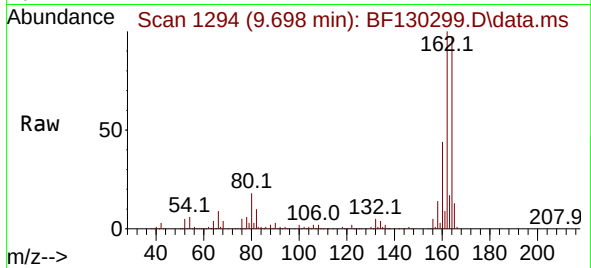




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.698 min Scan# 1146  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

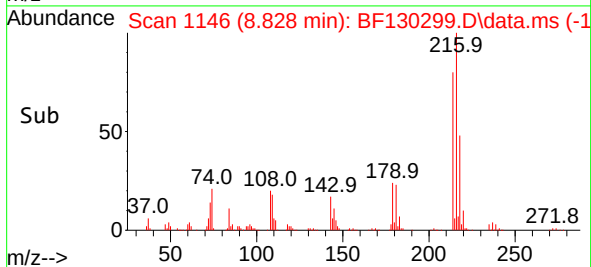
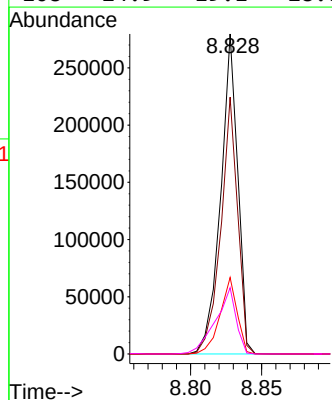
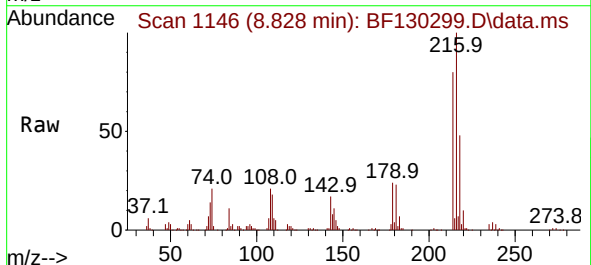
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

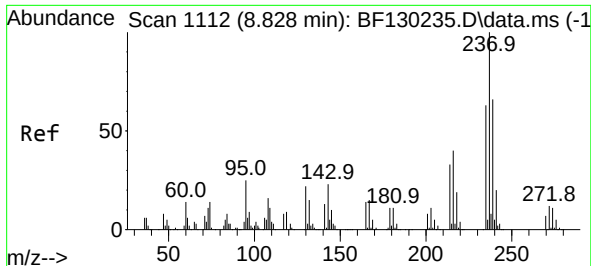
Tgt Ion:164 Resp: 167129  
Ion Ratio Lower Upper  
164 100  
162 103.3 81.4 122.0  
160 45.6 36.2 54.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.308 ng  
RT: 8.828 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:216 Resp: 234017  
Ion Ratio Lower Upper  
216 100  
214 78.7 62.8 94.2  
179 24.0 19.5 29.3  
108 24.9 19.1 28.7

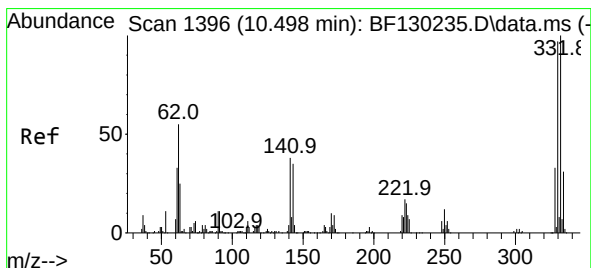
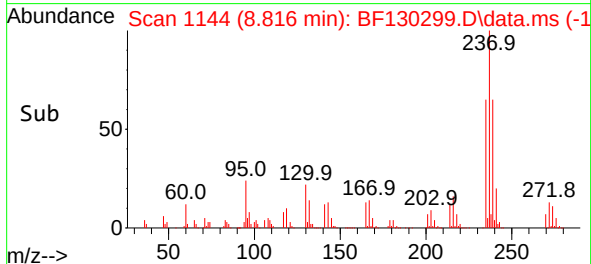
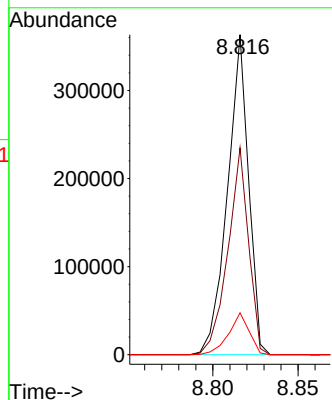
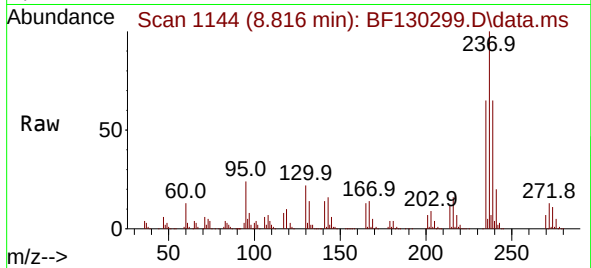




#41  
Hexachlorocyclopentadiene  
Concen: 127.956 ng  
RT: 8.816 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

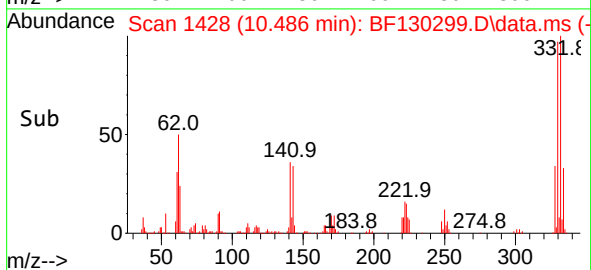
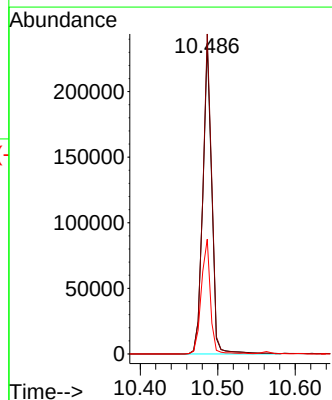
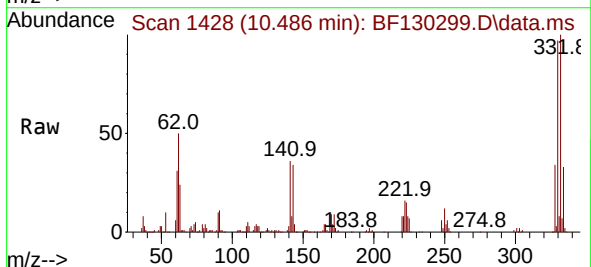
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

Tgt Ion:237 Resp: 312460  
Ion Ratio Lower Upper  
237 100  
235 64.7 42.5 82.5  
272 13.1 0.0 32.8

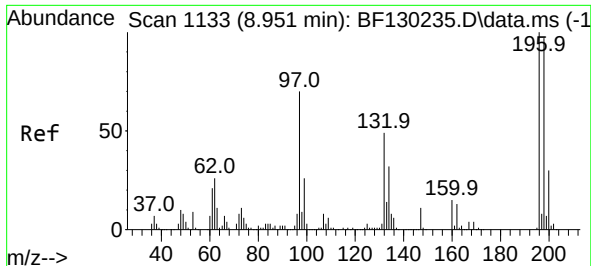


#42  
2,4,6-Tribromophenol  
Concen: 118.562 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:330 Resp: 189867  
Ion Ratio Lower Upper  
330 100  
332 102.5 83.4 125.2  
141 37.7 34.0 51.0



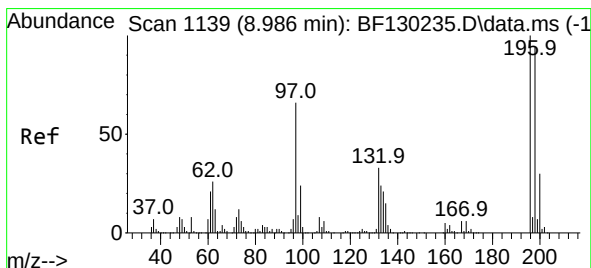
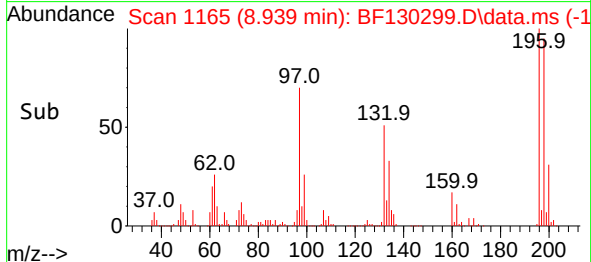
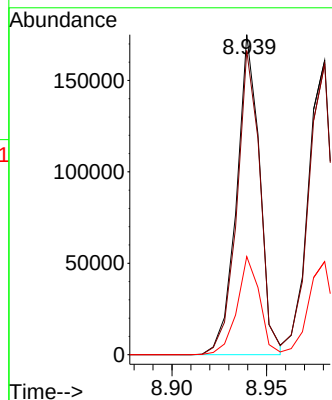
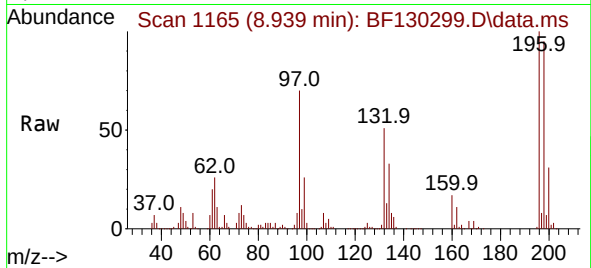




#43  
 2,4,6-Trichlorophenol  
 Concen: 46.436 ng  
 RT: 8.939 min Scan# 1165  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

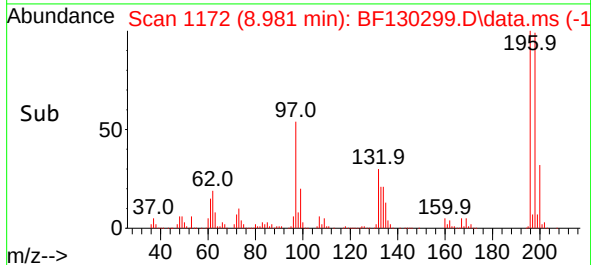
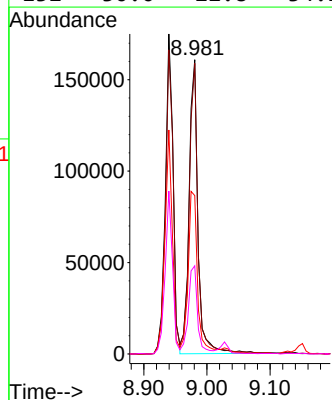
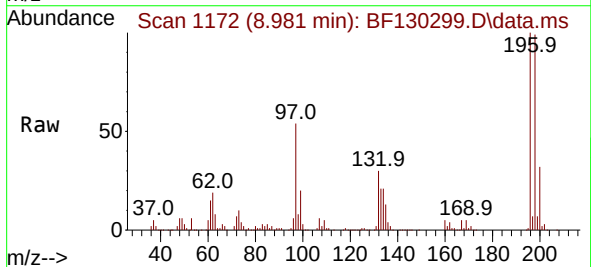
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

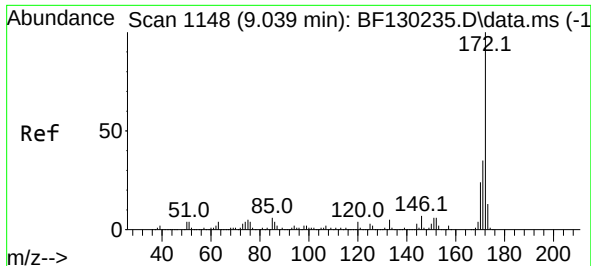
Tgt Ion:196 Resp: 147813  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 72.4 108.6  
 200 30.6 23.8 35.6



#44  
 2,4,5-Trichlorophenol  
 Concen: 46.047 ng  
 RT: 8.981 min Scan# 1172  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

Tgt Ion:196 Resp: 158171  
 Ion Ratio Lower Upper  
 196 100  
 198 98.8 74.8 112.2  
 97 53.8 43.7 65.5  
 132 30.0 22.8 34.2

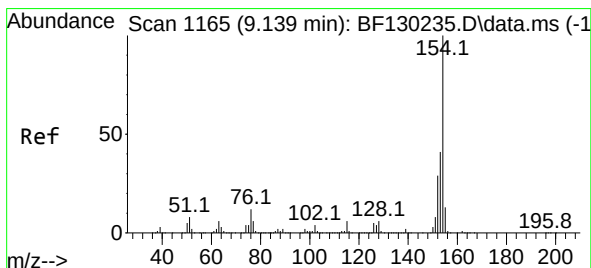
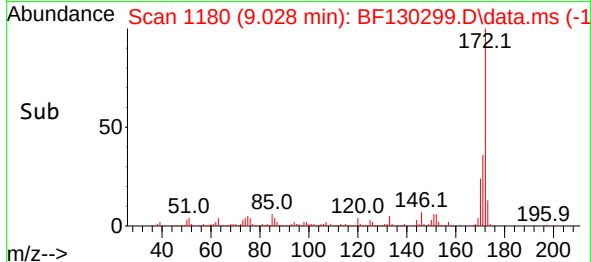
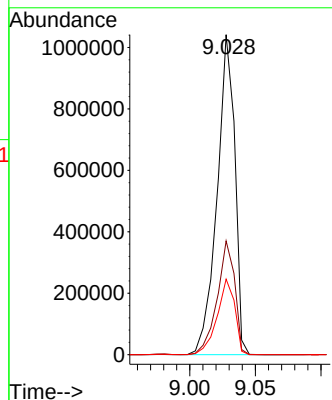
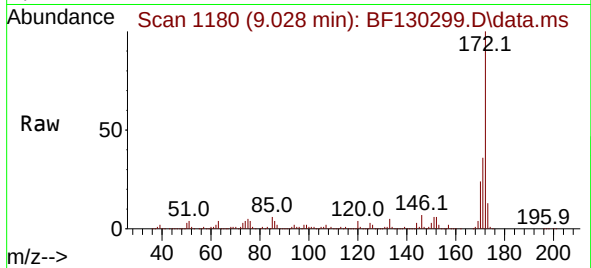




#45  
2-Fluorobiphenyl  
Concen: 85.205 ng  
RT: 9.028 min Scan# 1118  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

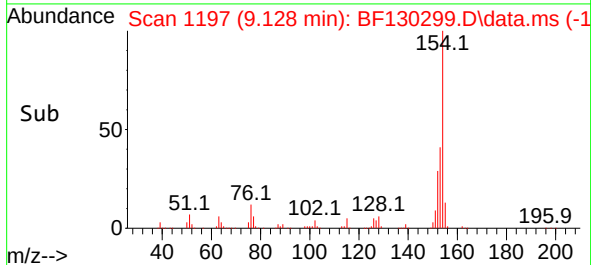
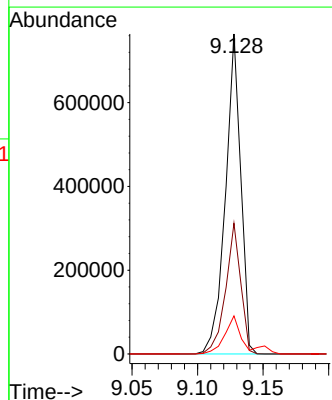
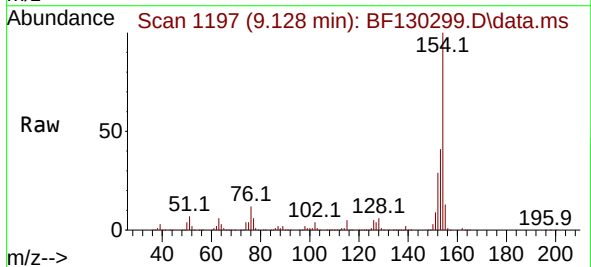
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

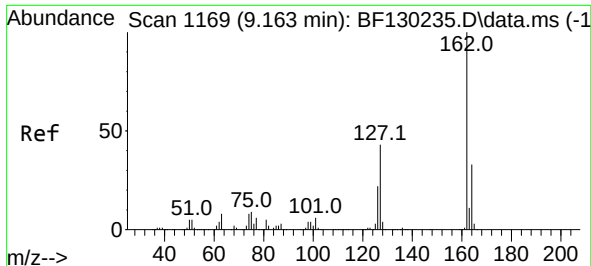
Tgt Ion:172 Resp: 977905  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.3 42.5  
170 23.6 18.7 28.1



#46  
1,1'-Biphenyl  
Concen: 49.562 ng  
RT: 9.128 min Scan# 1197  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:154 Resp: 618633  
Ion Ratio Lower Upper  
154 100  
153 40.8 20.0 60.0  
76 11.9 0.0 33.3





#47

2-Chloronaphthalene

Concen: 47.779 ng

RT: 9.151 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

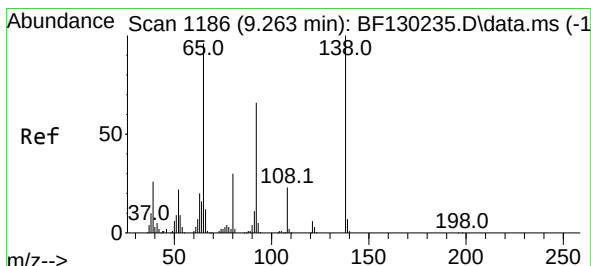
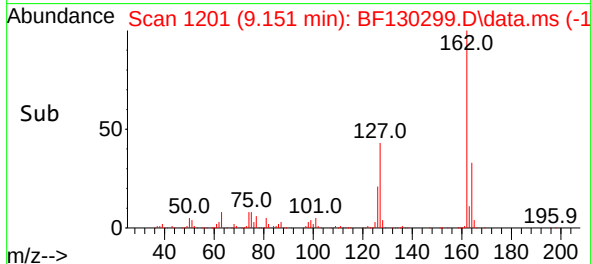
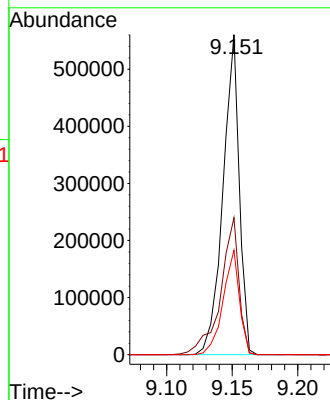
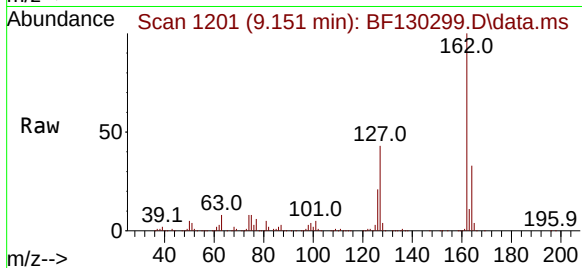
Tgt Ion:162 Resp: 482428

Ion Ratio Lower Upper

162 100

127 42.8 35.9 53.9

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 42.404 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

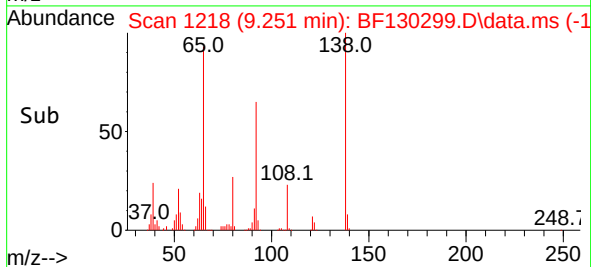
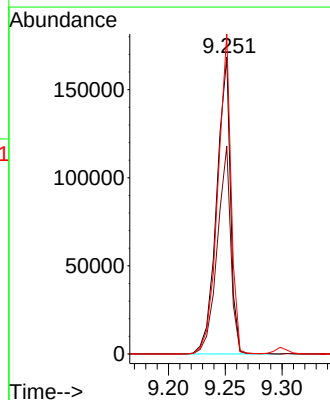
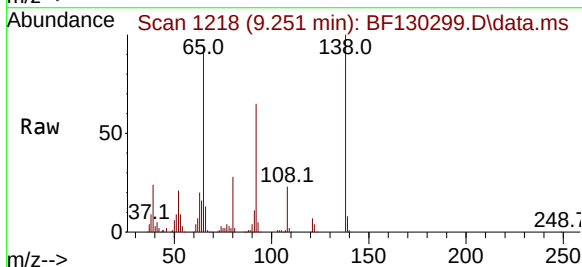
Tgt Ion: 65 Resp: 142804

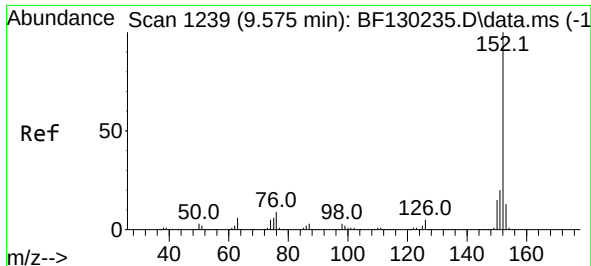
Ion Ratio Lower Upper

65 100

92 70.0 52.2 78.4

138 107.8 77.0 115.4





#49

Acenaphthylene

Concen: 46.670 ng

RT: 9.563 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

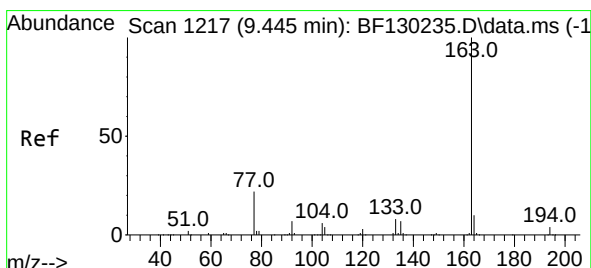
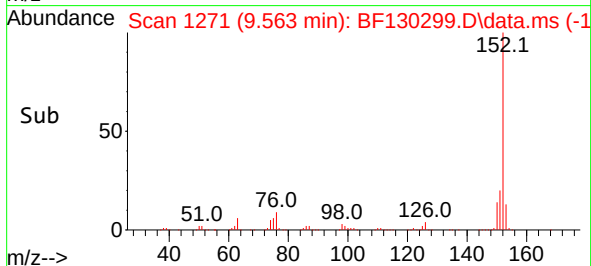
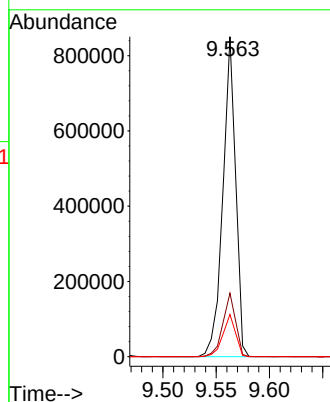
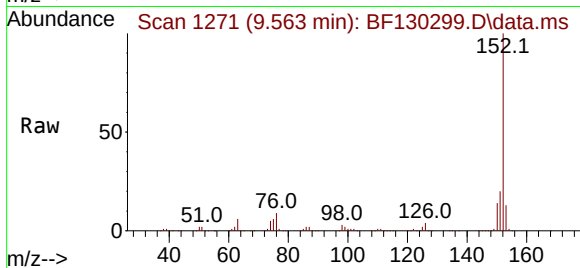
Tgt Ion:152 Resp: 706535

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 44.904 ng

RT: 9.434 min Scan# 1249

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

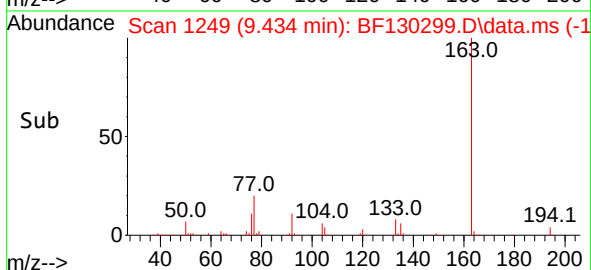
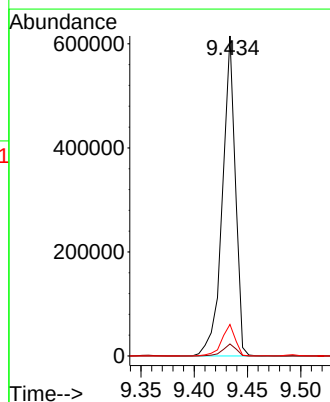
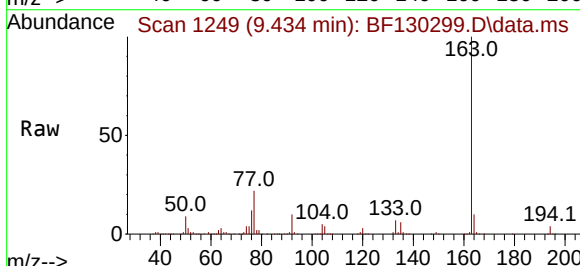
Tgt Ion:163 Resp: 518393

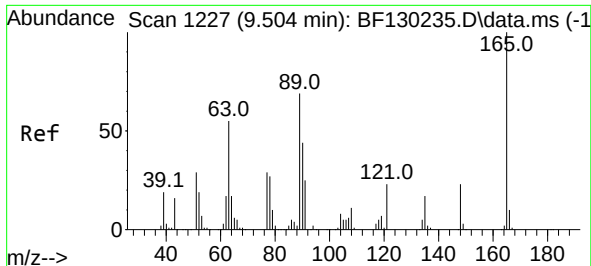
Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 46.818 ng

RT: 9.492 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

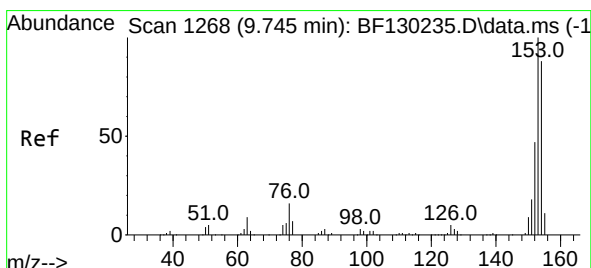
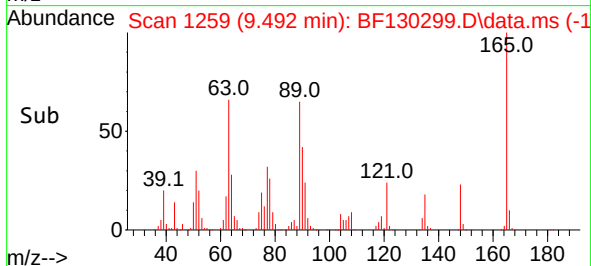
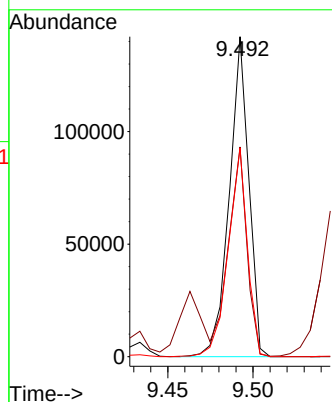
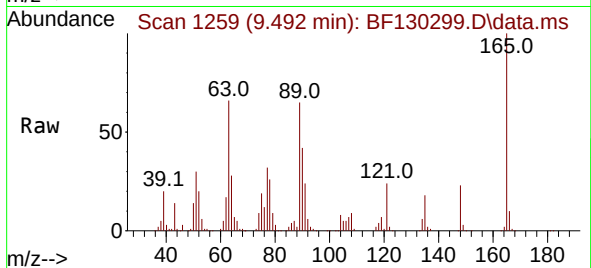
Tgt Ion:165 Resp: 113037

Ion Ratio Lower Upper

165 100

63 65.6 58.8 88.2

89 65.3 54.5 81.7



#52

Acenaphthene

Concen: 42.274 ng

RT: 9.734 min Scan# 1300

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

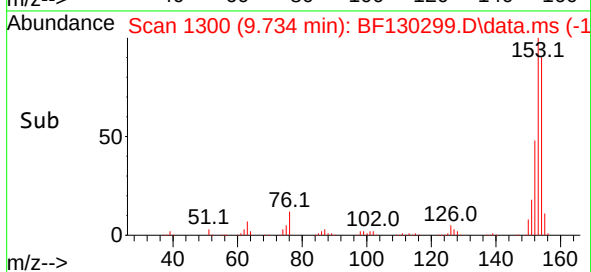
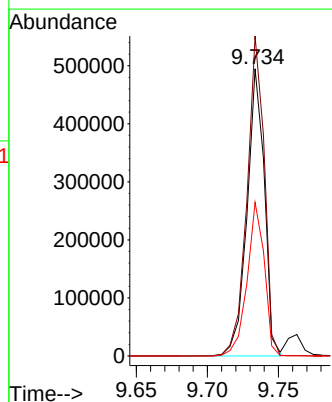
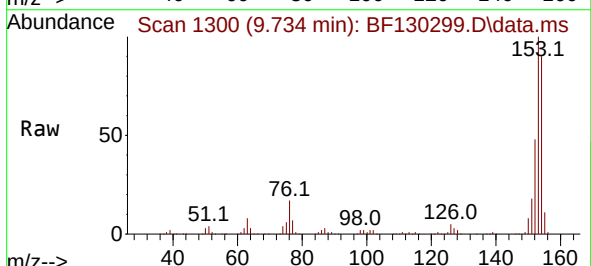
Tgt Ion:154 Resp: 420491

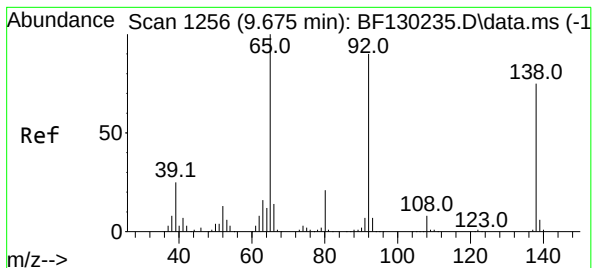
Ion Ratio Lower Upper

154 100

153 111.4 90.6 136.0

152 53.5 43.8 65.6





#53

3-Nitroaniline

Concen: 31.075 ng

RT: 9.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

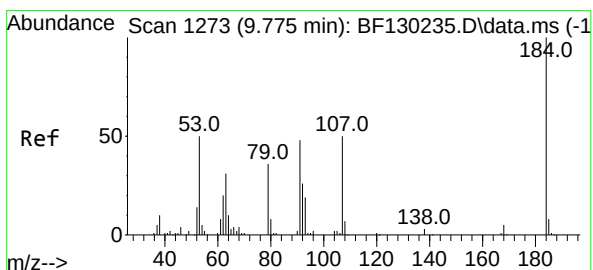
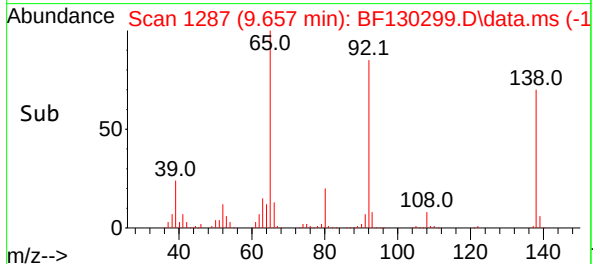
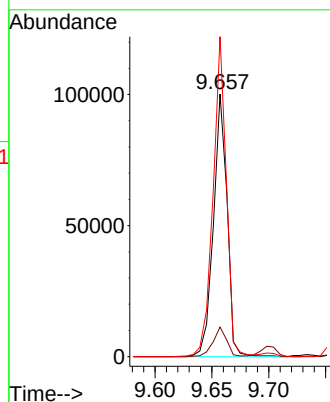
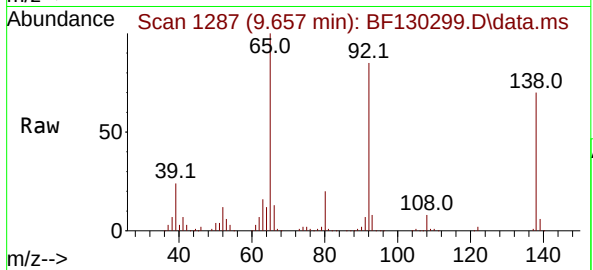
Tgt Ion:138 Resp: 83602

Ion Ratio Lower Upper

138 100

108 11.3 9.2 13.8

92 121.9 99.2 148.8



#54

2,4-Dinitrophenol

Concen: 35.417 ng

RT: 9.763 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

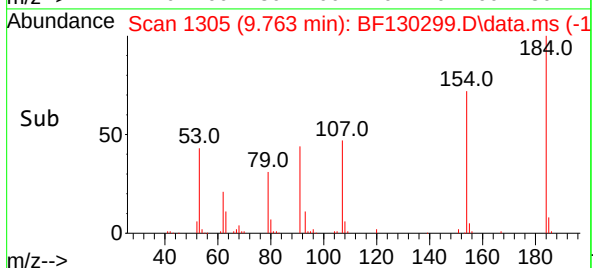
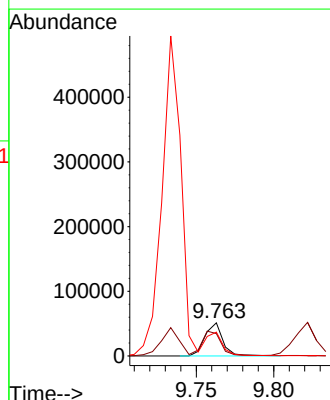
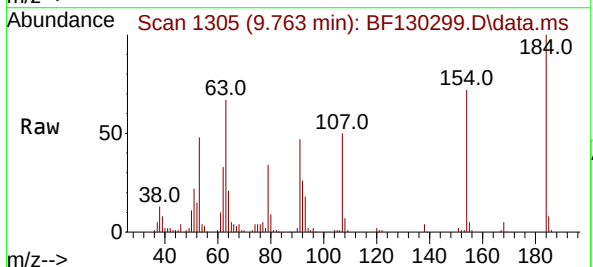
Tgt Ion:184 Resp: 41435

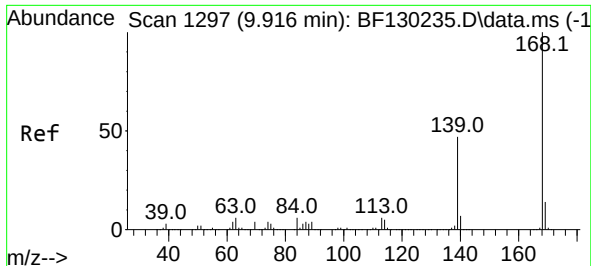
Ion Ratio Lower Upper

184 100

63 67.3 70.0 105.0#

154 71.7 63.0 94.6





#55

Dibenzenofuran

Concen: 45.686 ng

RT: 9.904 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

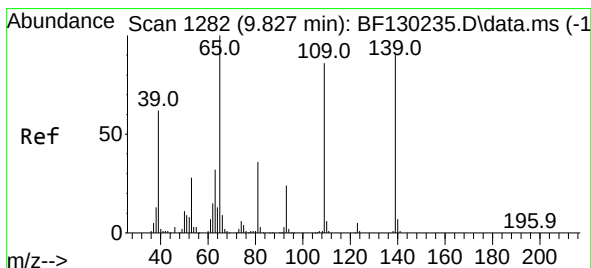
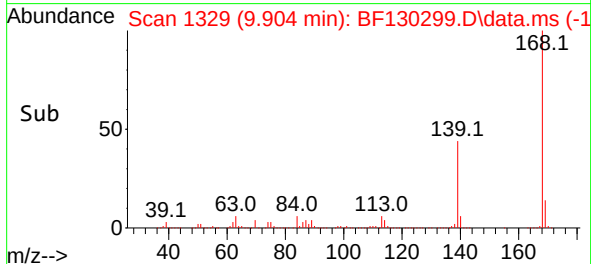
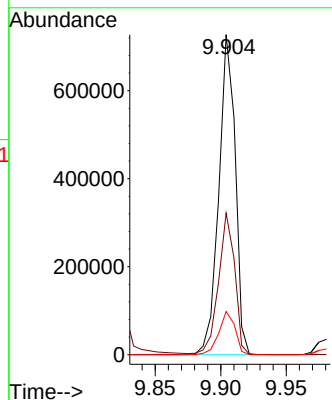
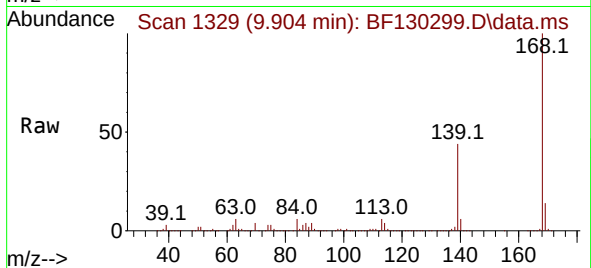
Tgt Ion:168 Resp: 632080

Ion Ratio Lower Upper

168 100

139 44.3 35.0 52.4

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 81.518 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

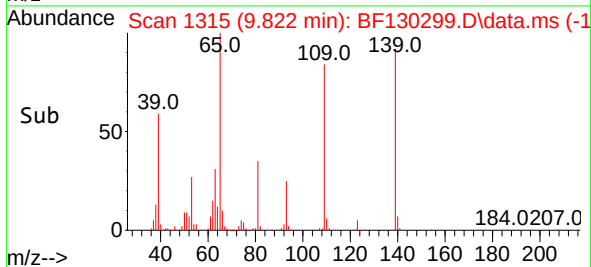
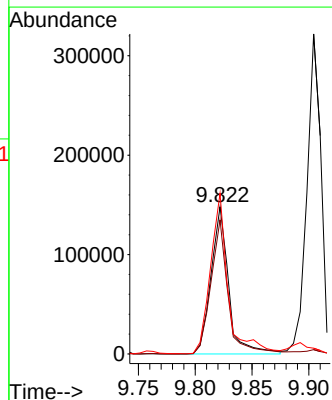
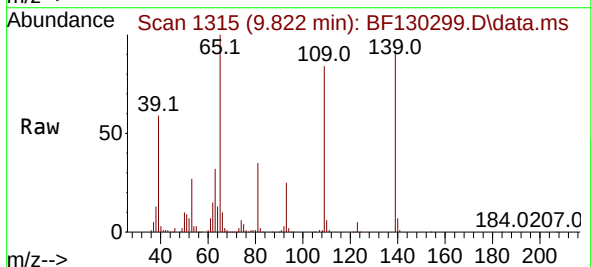
Tgt Ion:139 Resp: 159736

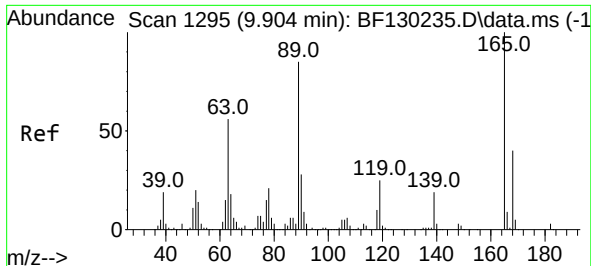
Ion Ratio Lower Upper

139 100

109 91.1 72.2 112.2

65 109.1 97.7 137.7

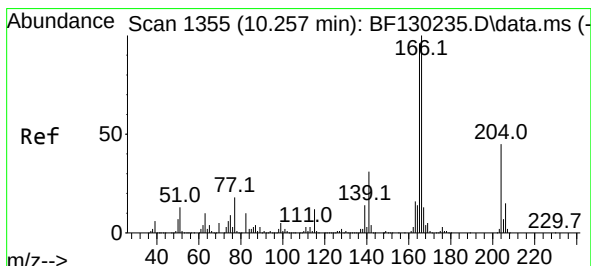
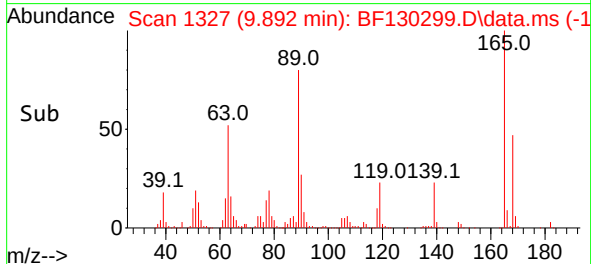
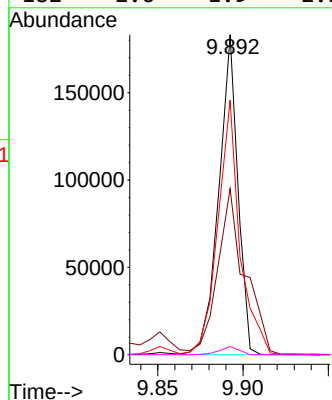
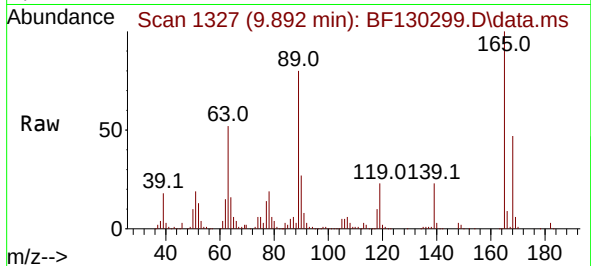




#57  
2,4-Dinitrotoluene  
Concen: 46.287 ng  
RT: 9.892 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

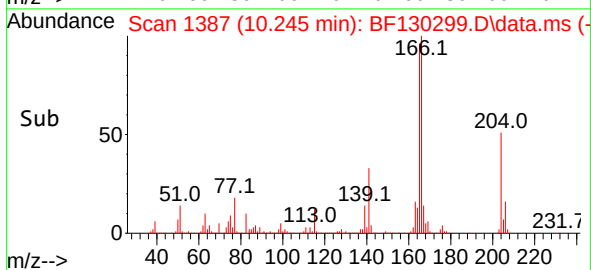
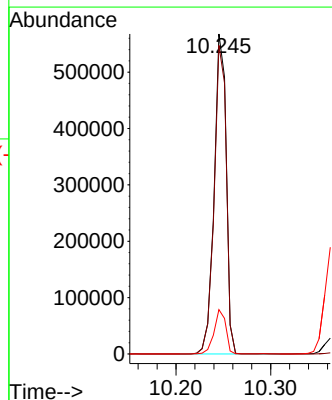
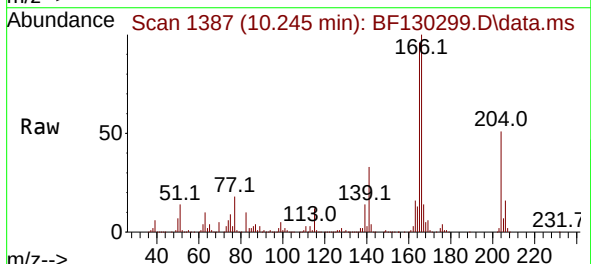
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:165 | Resp: | 142826 |       |
| Ion         | Ratio | Lower  | Upper |
| 165         | 100   |        |       |
| 63          | 51.9  | 44.7   | 67.1  |
| 89          | 79.6  | 69.0   | 103.4 |
| 182         | 2.6   | 1.9    | 2.9   |

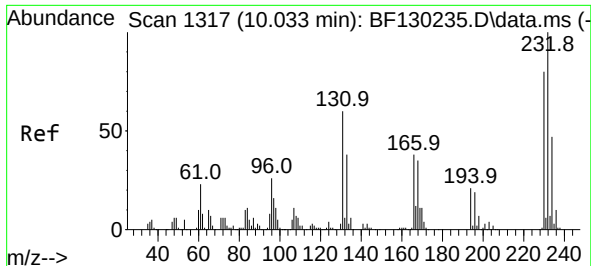


#58  
Fluorene  
Concen: 44.148 ng  
RT: 10.245 min Scan# 1387  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:166 | Resp: | 499524 |       |
| Ion         | Ratio | Lower  | Upper |
| 166         | 100   |        |       |
| 165         | 96.5  | 78.8   | 118.2 |
| 167         | 13.9  | 10.6   | 15.8  |



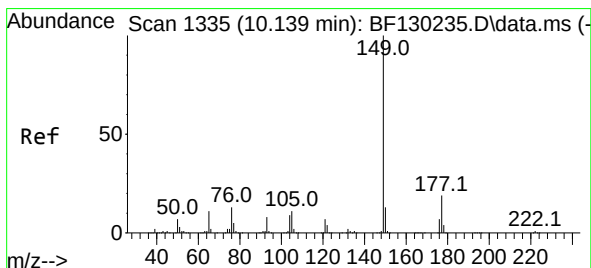
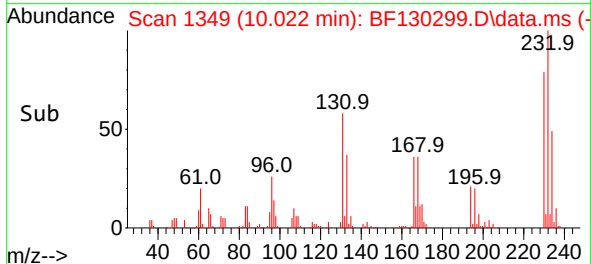
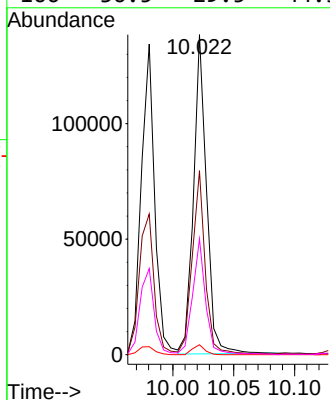
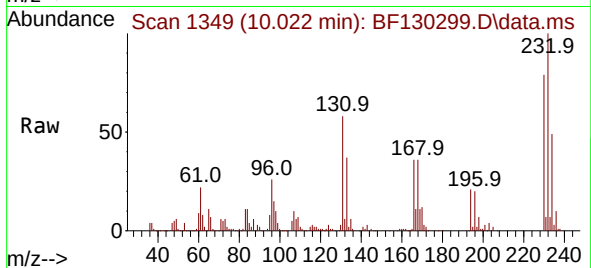




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.362 ng  
RT: 10.022 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

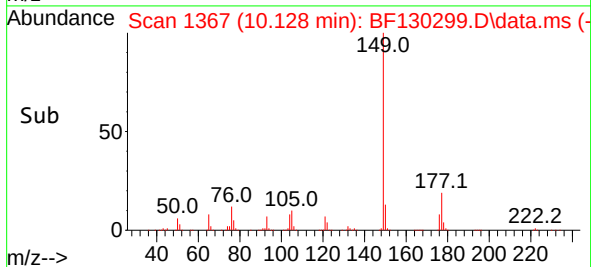
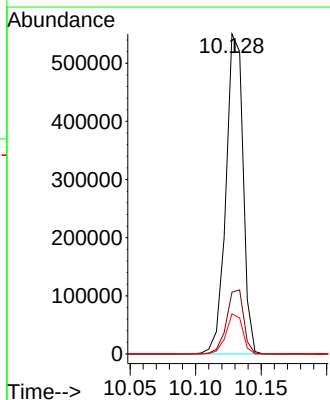
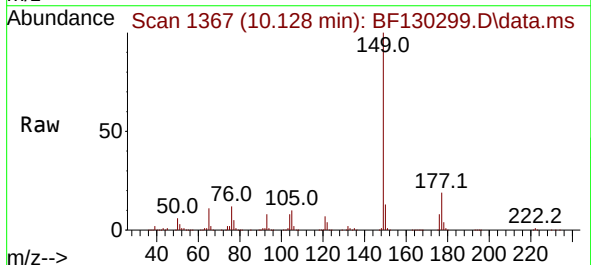
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

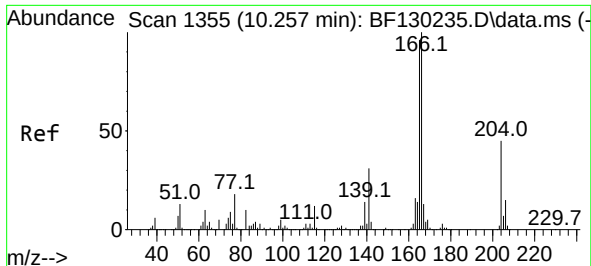
Tgt Ion:232 Resp: 103141  
Ion Ratio Lower Upper  
232 100  
131 58.6 46.4 69.6  
130 2.9 2.3 3.5  
166 36.5 29.5 44.3



#60  
Diethylphthalate  
Concen: 43.172 ng  
RT: 10.128 min Scan# 1367  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:149 Resp: 499801  
Ion Ratio Lower Upper  
149 100  
177 19.3 16.1 24.1  
150 12.5 9.9 14.9

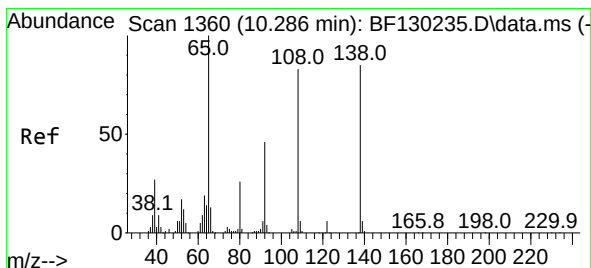
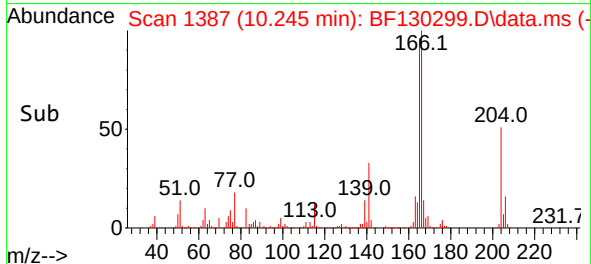
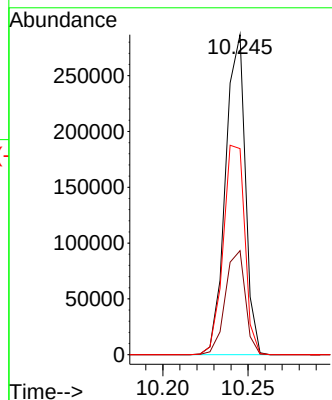
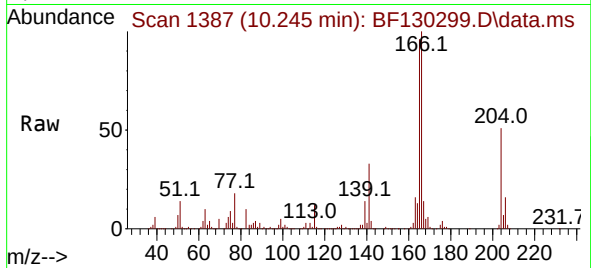




#61  
4-Chlorophenyl-phenylether  
Concen: 46.798 ng  
RT: 10.245 min Scan# 1387  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

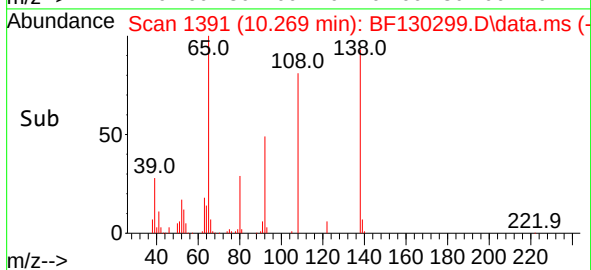
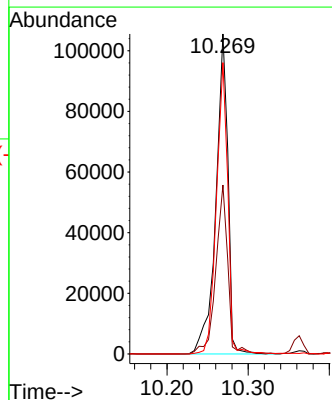
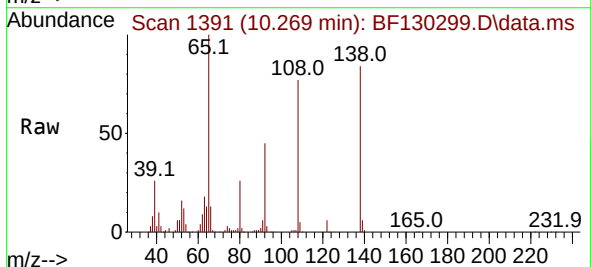
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

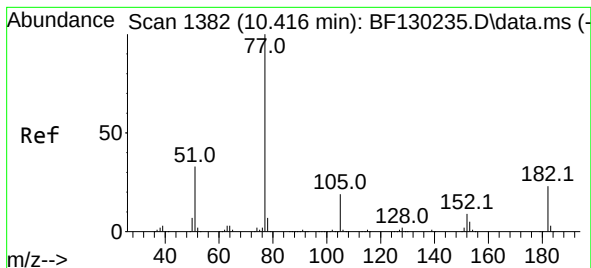
Tgt Ion:204 Resp: 232284  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.6 39.8  
141 64.4 57.1 85.7



#62  
4-Nitroaniline  
Concen: 40.390 ng  
RT: 10.269 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:138 Resp: 109159  
Ion Ratio Lower Upper  
138 100  
92 52.8 36.7 76.7  
108 91.1 78.2 118.2





#63

Azobenzene

Concen: 40.710 ng

RT: 10.404 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

Tgt Ion: 77 Resp: 485297

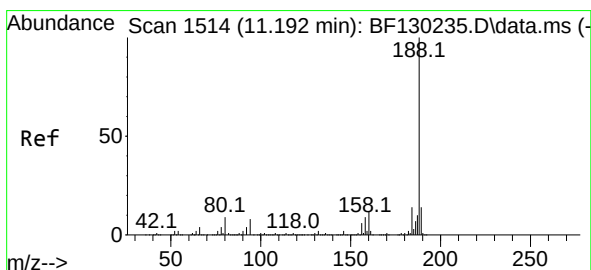
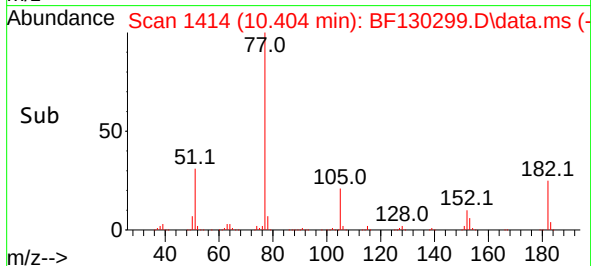
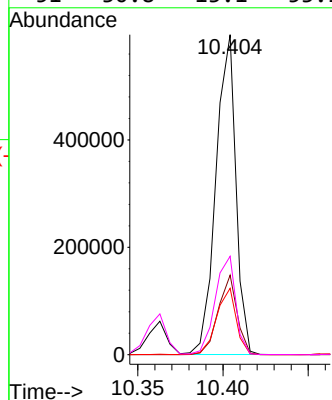
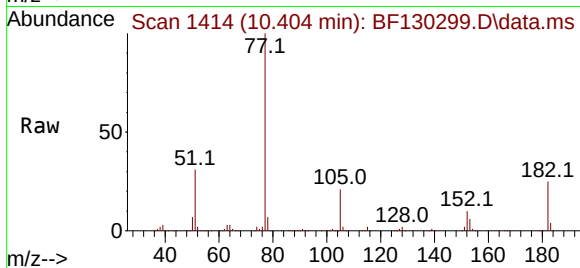
Ion Ratio Lower Upper

77 100

182 24.9 2.1 42.1

105 20.7 0.0 39.4

51 30.8 13.1 53.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.175 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

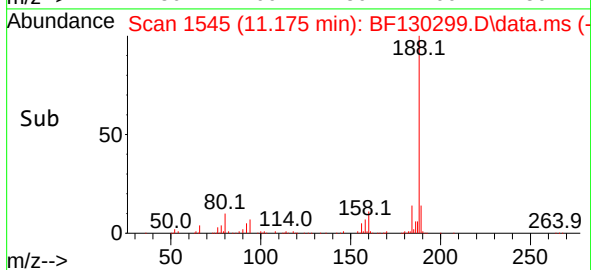
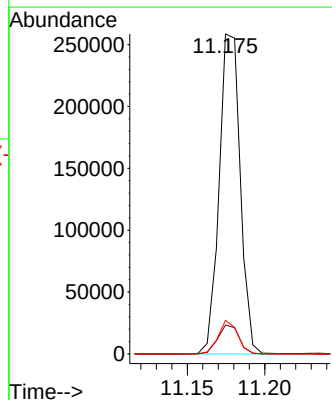
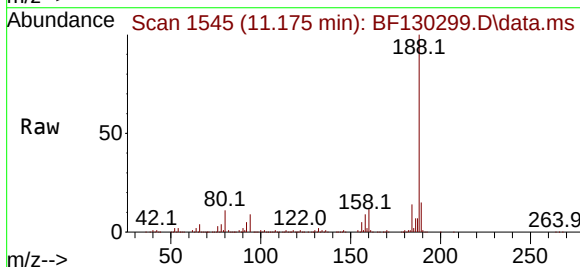
Tgt Ion:188 Resp: 245087

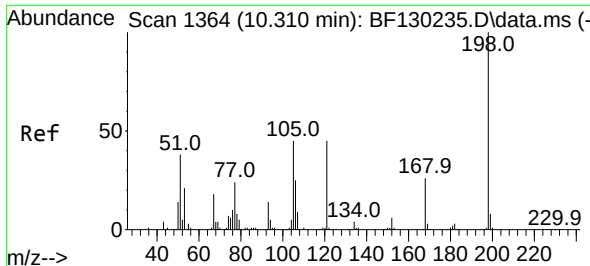
Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 10.5 7.9 11.9

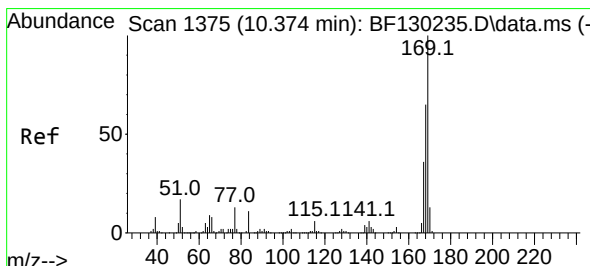
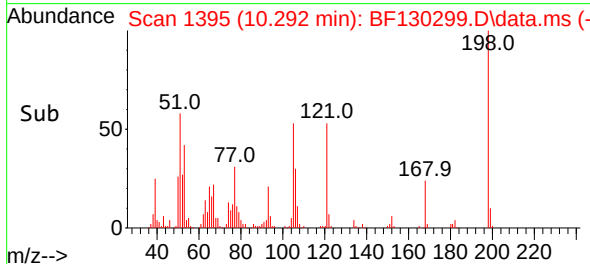
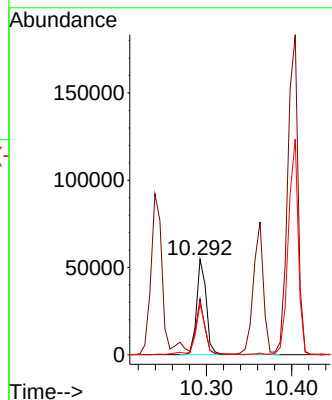
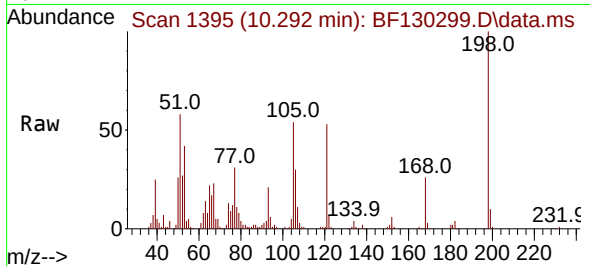




#65  
4,6-Dinitro-2-methylphenol  
Concen: 31.594 ng  
RT: 10.292 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

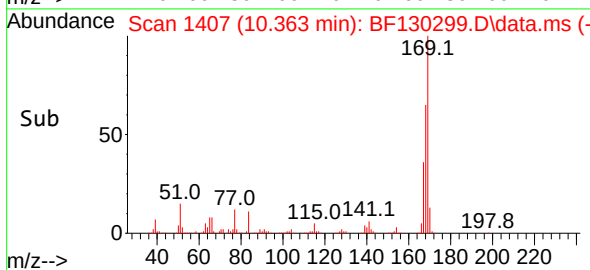
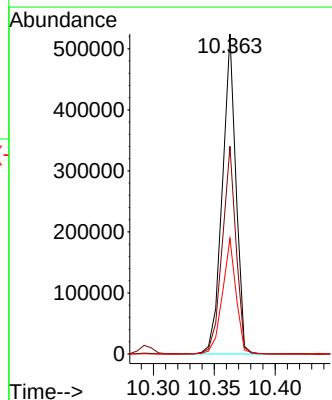
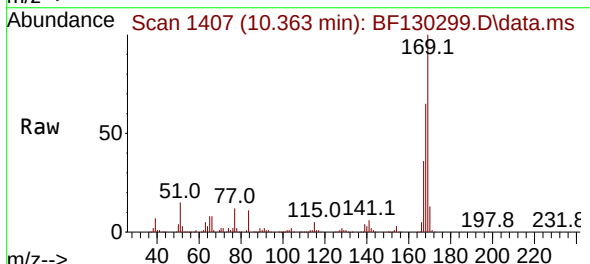
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

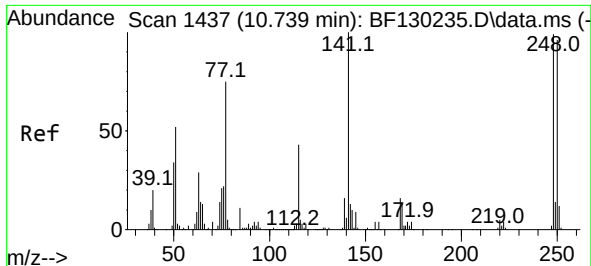
Tgt Ion:198 Resp: 43105  
Ion Ratio Lower Upper  
198 100  
51 58.4 36.9 76.9  
105 53.6 33.0 73.0



#66  
n-Nitrosodiphenylamine  
Concen: 49.724 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:169 Resp: 407243  
Ion Ratio Lower Upper  
169 100  
168 64.9 53.2 79.8  
167 36.1 29.2 43.8

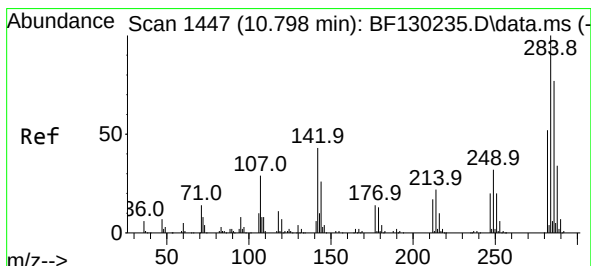
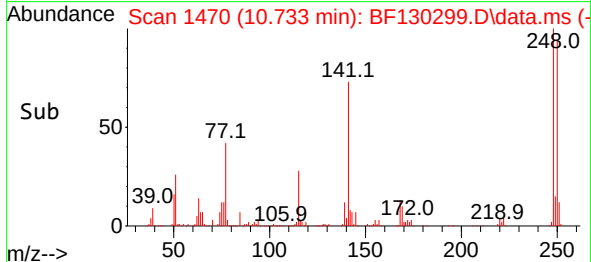
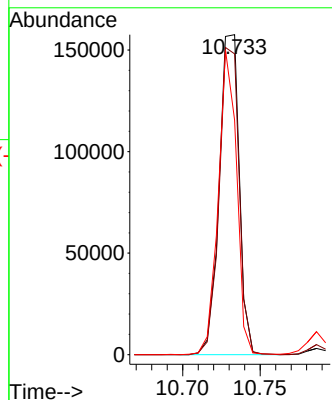
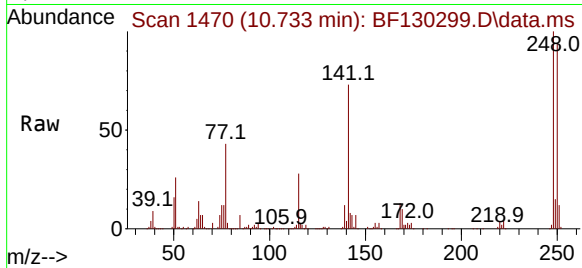




#67  
4-Bromophenyl-phenylether  
Concen: 52.537 ng  
RT: 10.733 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

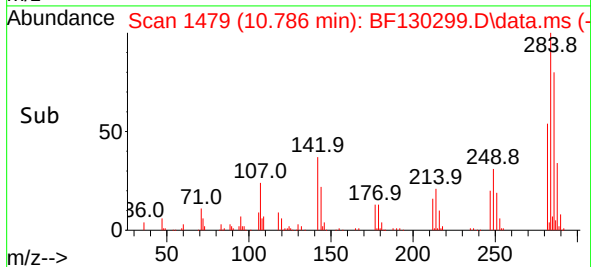
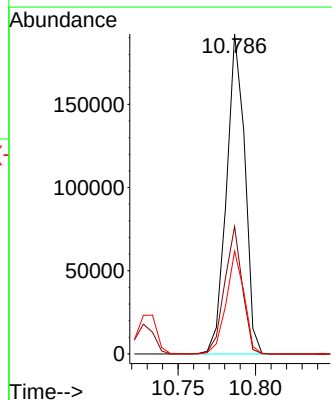
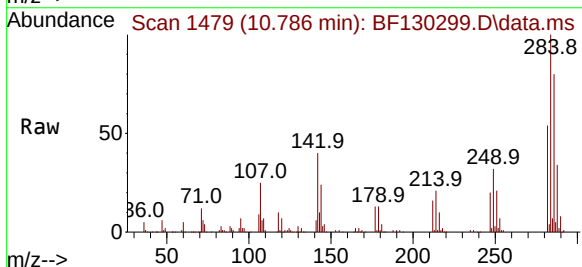
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

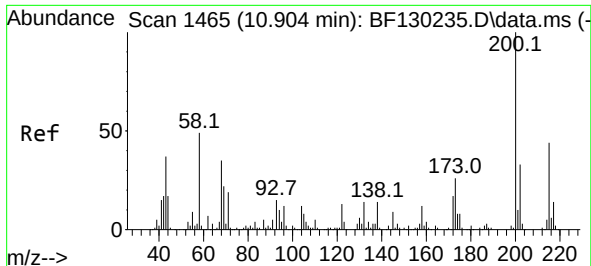
Tgt Ion:248 Resp: 142045  
Ion Ratio Lower Upper  
248 100  
250 94.0 80.0 120.0  
141 73.3 68.5 102.7



#68  
Hexachlorobenzene  
Concen: 51.586 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:284 Resp: 158103  
Ion Ratio Lower Upper  
284 100  
142 39.9 27.2 40.8  
249 32.1 23.8 35.8

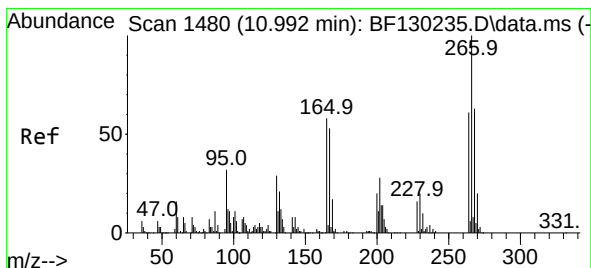
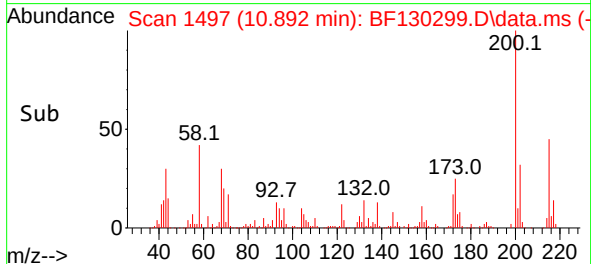
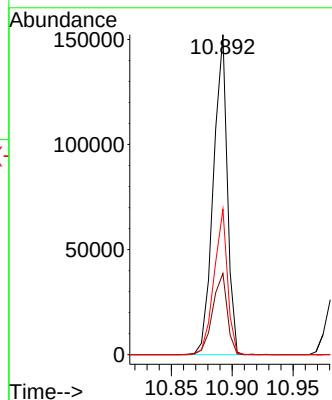
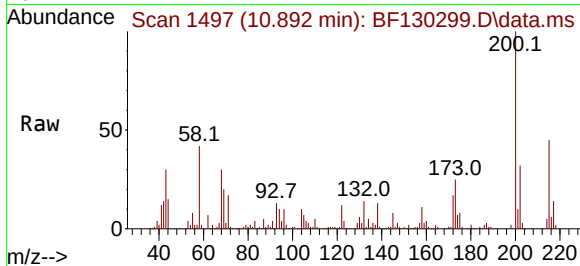




#69  
 Atrazine  
 Concen: 50.494 ng  
 RT: 10.892 min Scan# 1465  
 Delta R.T. 0.000 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

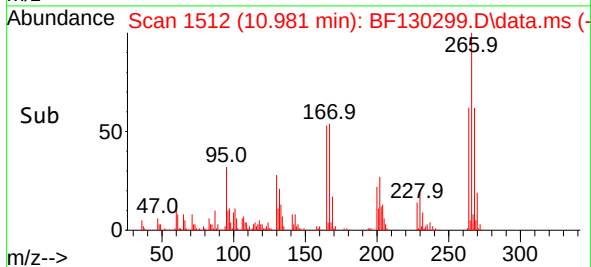
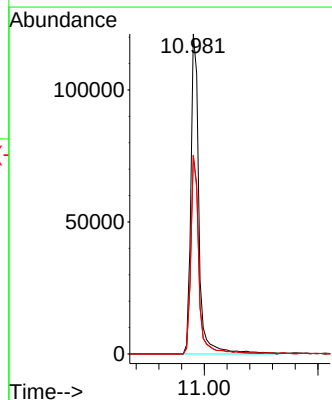
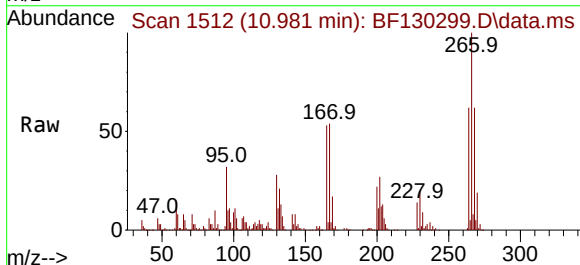
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

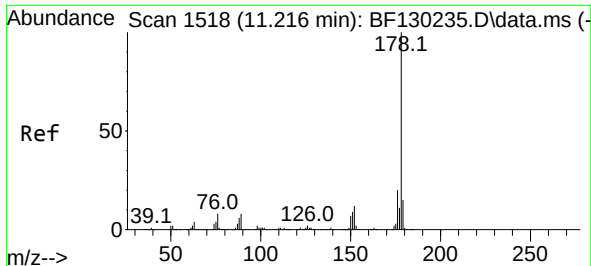
Tgt Ion:200 Resp: 120854  
 Ion Ratio Lower Upper  
 200 100  
 173 25.4 6.2 46.2  
 215 45.4 22.5 62.5



#70  
 Pentachlorophenol  
 Concen: 72.926 ng  
 RT: 10.981 min Scan# 1512  
 Delta R.T. -0.006 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

Tgt Ion:266 Resp: 119953  
 Ion Ratio Lower Upper  
 266 100  
 268 61.9 50.5 75.7  
 264 62.2 50.5 75.7

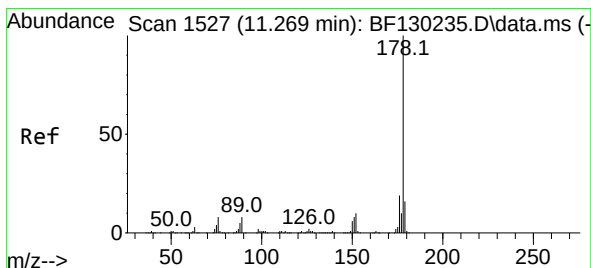
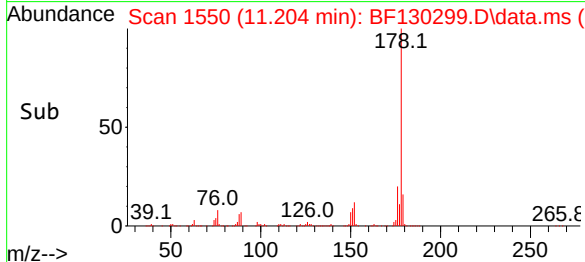
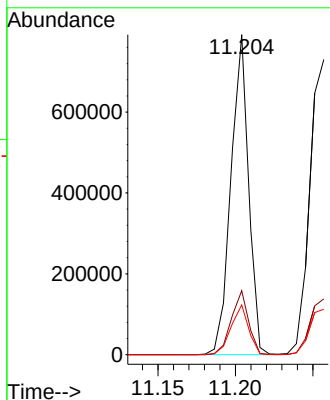
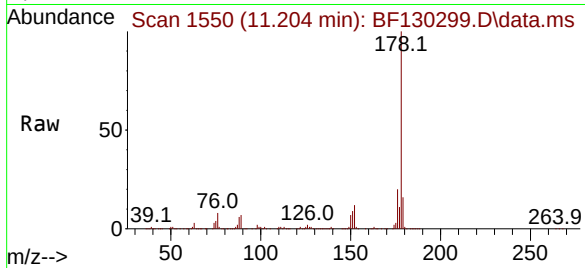




#71  
Phenanthrene  
Concen: 45.566 ng  
RT: 11.204 min Scan# 1518  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

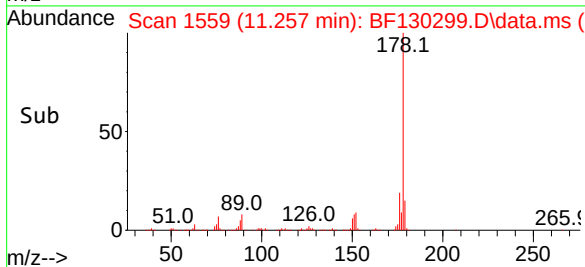
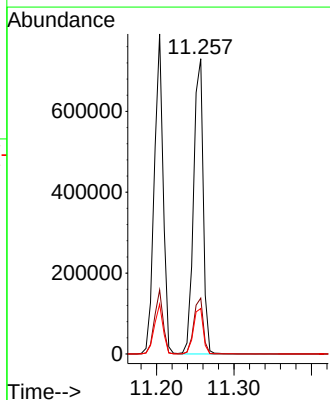
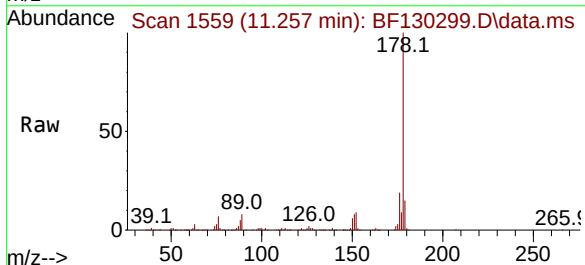
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

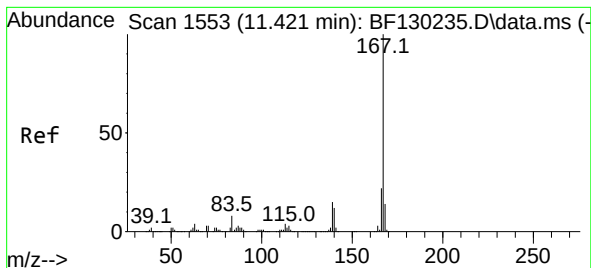
Tgt Ion:178 Resp: 627002  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.4 23.0  
179 15.5 12.4 18.6



#72  
Anthracene  
Concen: 47.430 ng  
RT: 11.257 min Scan# 1559  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:178 Resp: 629816  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.0 22.6  
179 15.4 12.7 19.1





#73

Carbazole

Concen: 44.839 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

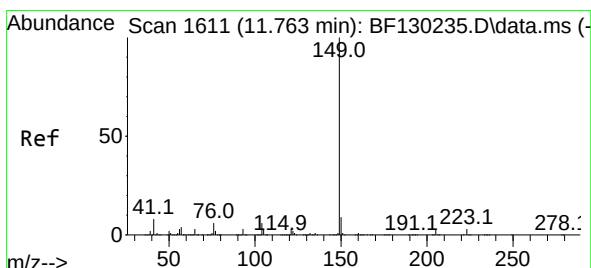
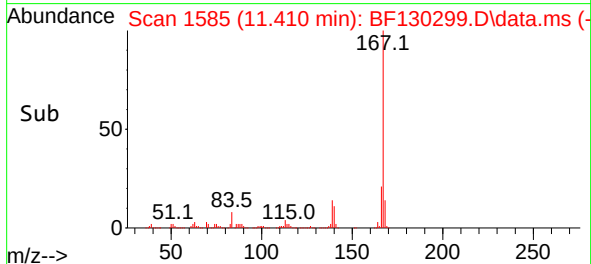
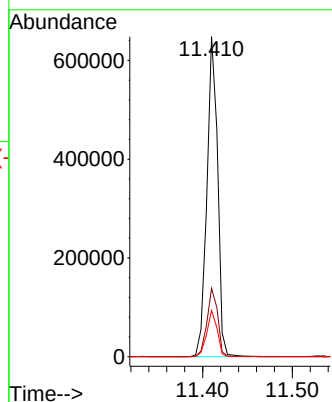
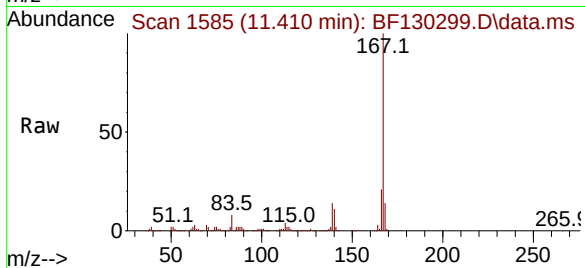
Tgt Ion:167 Resp: 537353

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 14.5 11.6 17.4



#74

Di-n-butylphthalate

Concen: 44.684 ng

RT: 11.751 min Scan# 1643

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

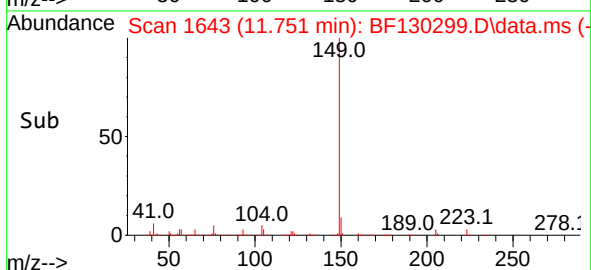
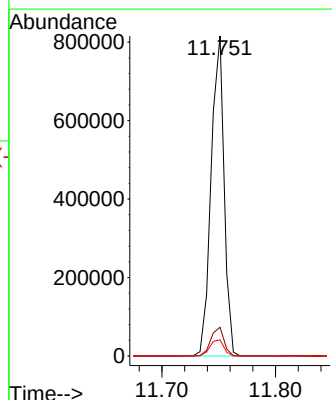
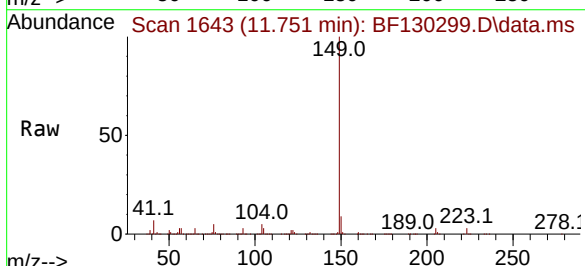
Tgt Ion:149 Resp: 645751

Ion Ratio Lower Upper

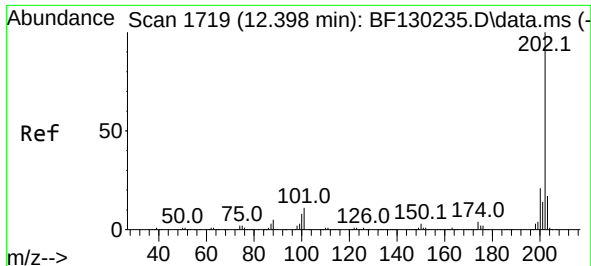
149 100

150 9.0 7.4 11.2

104 5.0 4.8 7.2



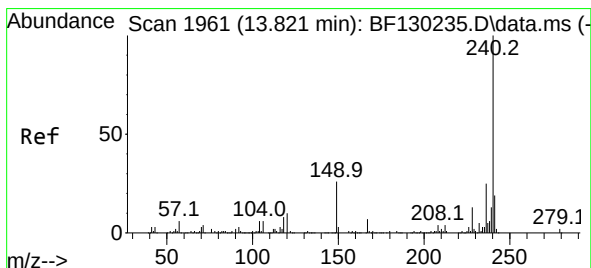
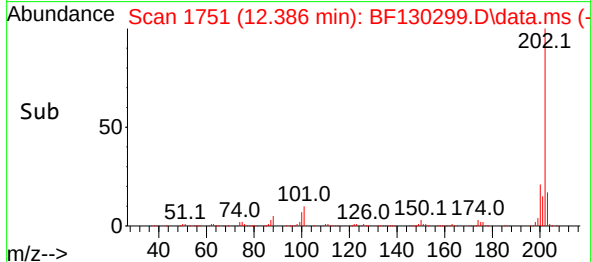
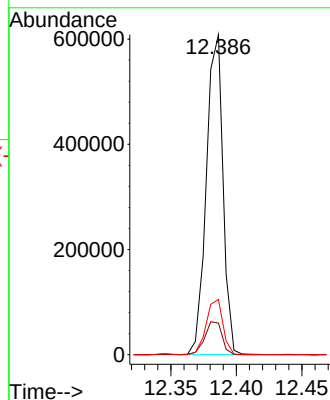
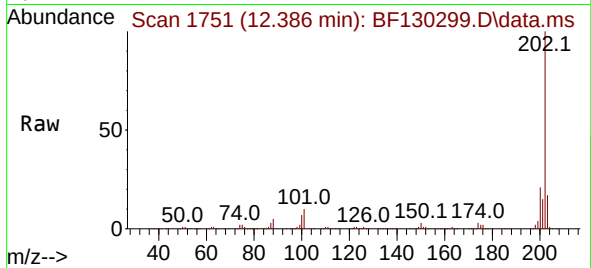




#75  
Fluoranthene  
Concen: 40.485 ng  
RT: 12.386 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

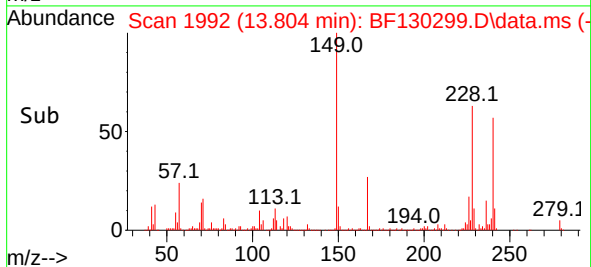
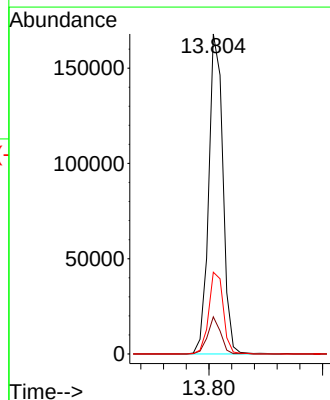
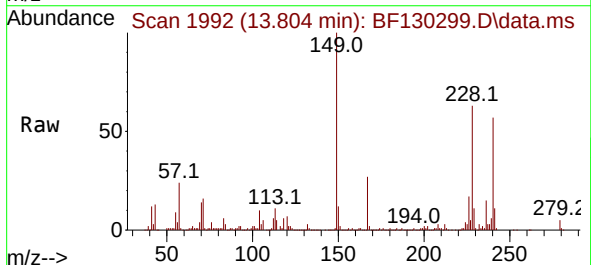
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

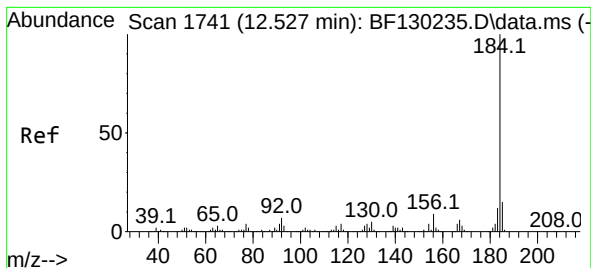
Tgt Ion:202 Resp: 538310  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 31.8  
203 17.3 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.804 min Scan# 1992  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:240 Resp: 145062  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.7 13.1  
236 25.5 20.9 31.3





#77

Benzidine

Concen: 89.401 ng

RT: 12.516 min Scan# 1773

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

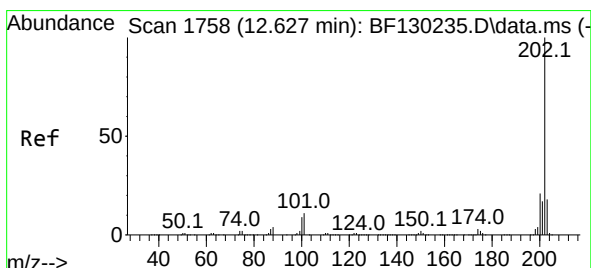
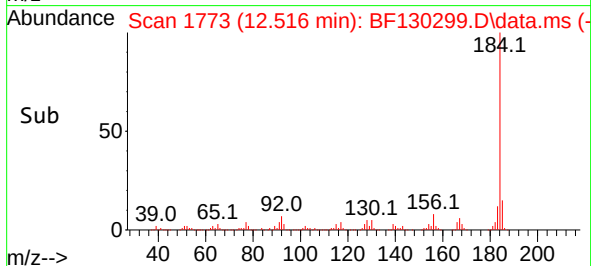
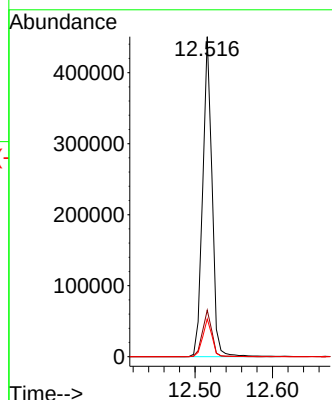
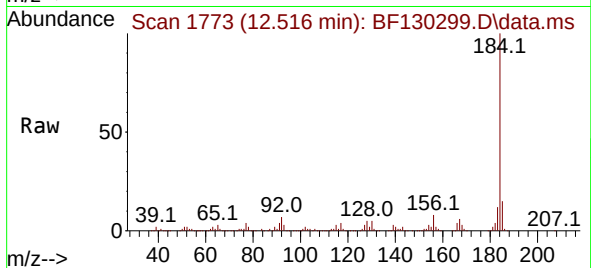
Tgt Ion:184 Resp: 376468

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

183 11.8 9.1 13.7



#78

Pyrene

Concen: 41.477 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

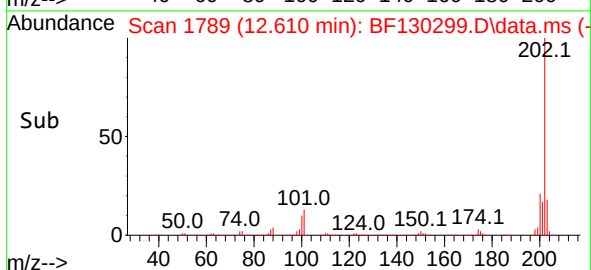
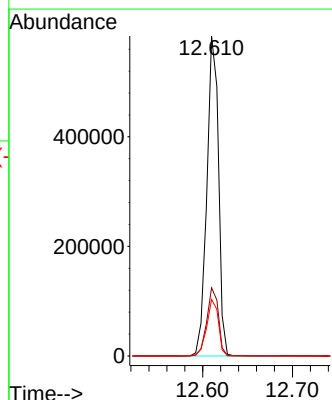
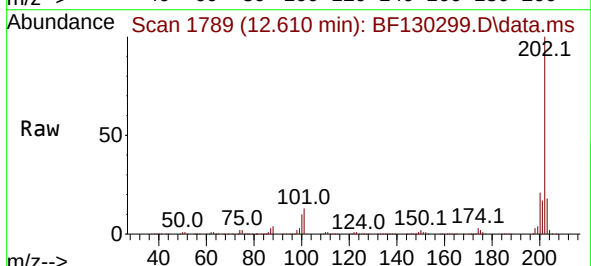
Tgt Ion:202 Resp: 526346

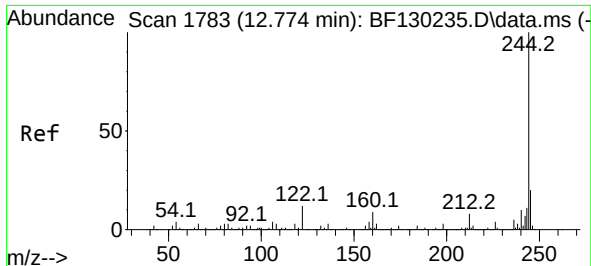
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.7 14.3 21.5

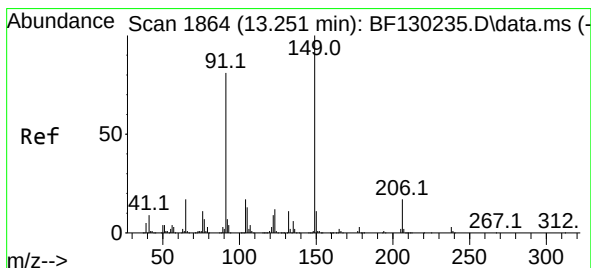
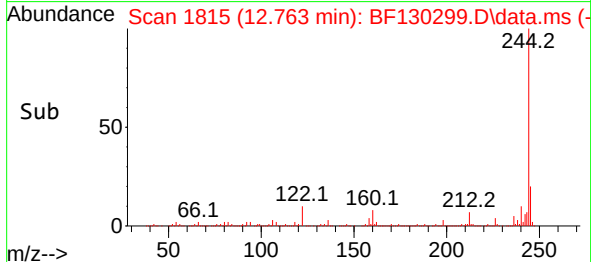
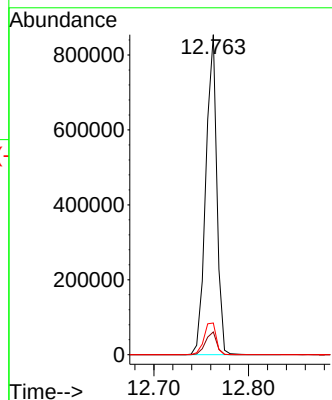
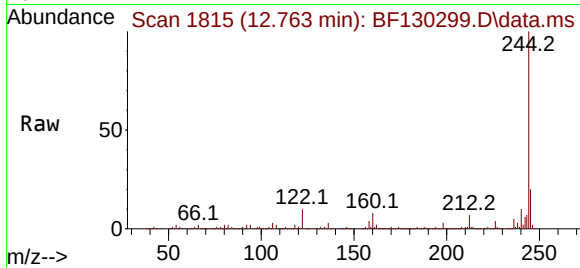




#79  
 Terphenyl-d14  
 Concen: 78.769 ng  
 RT: 12.763 min Scan# 1815  
 Delta R.T. -0.006 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

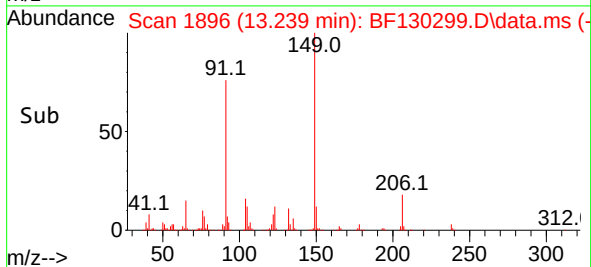
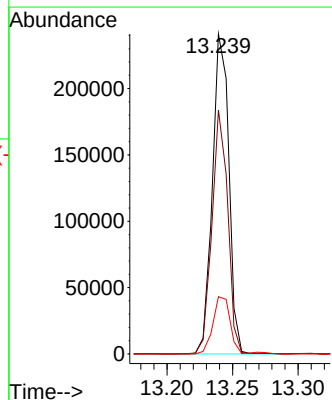
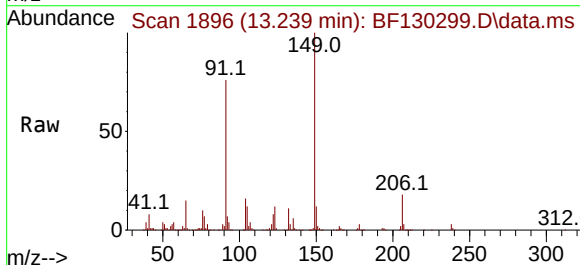
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-4MS

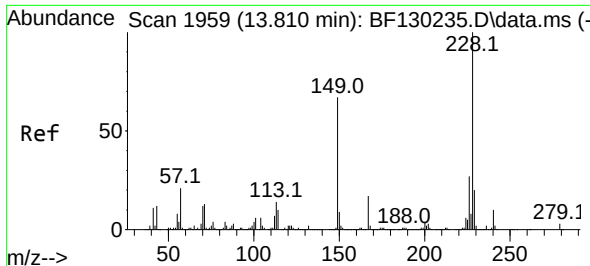
Tgt Ion:244 Resp: 689793  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.9 8.9  
 122 9.9 8.5 12.7



#80  
 Butylbenzylphthalate  
 Concen: 44.745 ng  
 RT: 13.239 min Scan# 1896  
 Delta R.T. -0.006 min  
 Lab File: BF130299.D  
 Acq: 16 Sep 2022 19:55

Tgt Ion:149 Resp: 210352  
 Ion Ratio Lower Upper  
 149 100  
 91 76.2 59.8 89.8  
 206 17.9 13.9 20.9

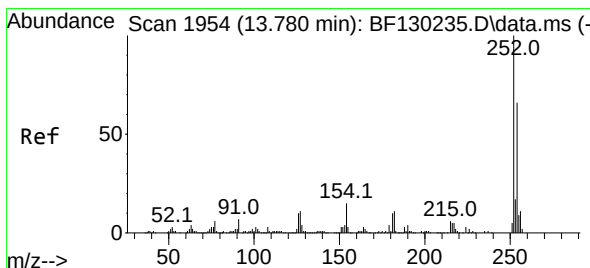
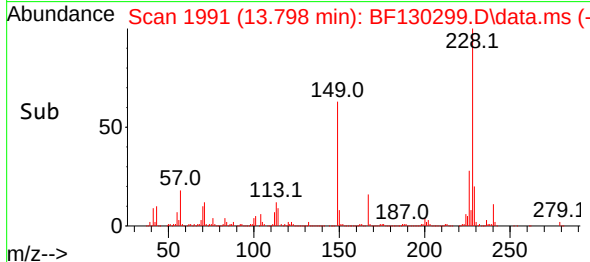
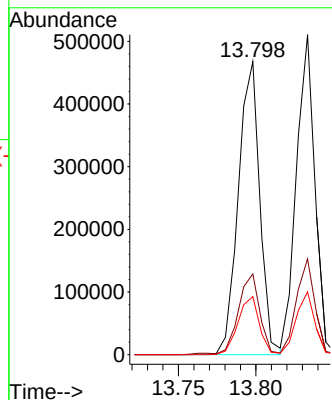
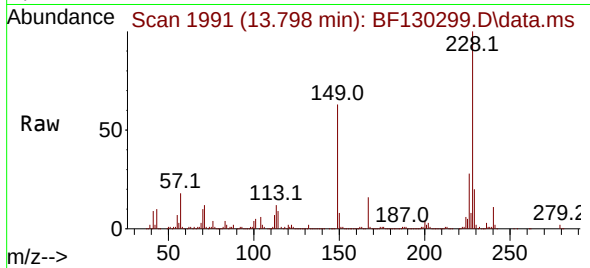




#81  
Benzo(a)anthracene  
Concen: 46.656 ng  
RT: 13.798 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

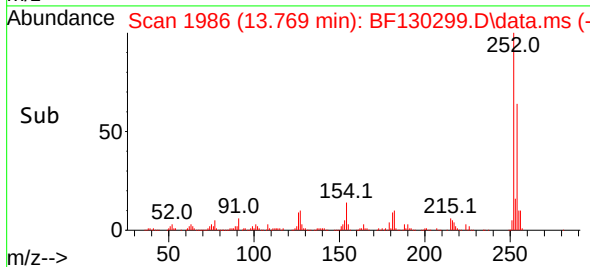
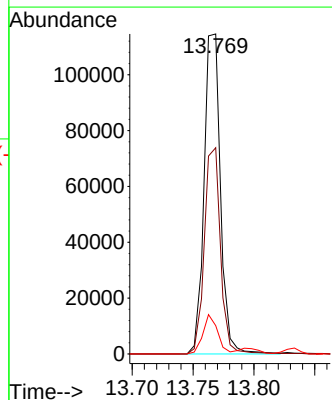
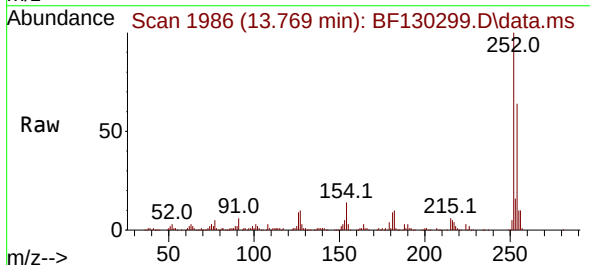
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

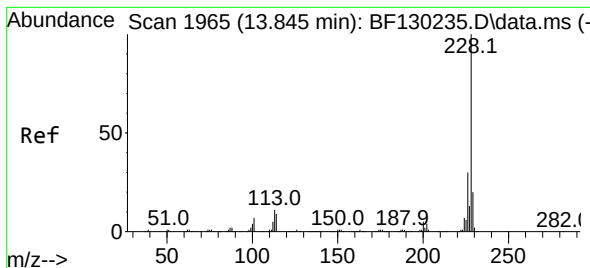
Tgt Ion:228 Resp: 450237  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.9 32.9  
229 19.8 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 41.063 ng  
RT: 13.769 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:252 Resp: 107869  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.1 76.7  
126 8.8 10.4 15.6#





#83

Chrysene

Concen: 46.428 ng

RT: 13.833 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

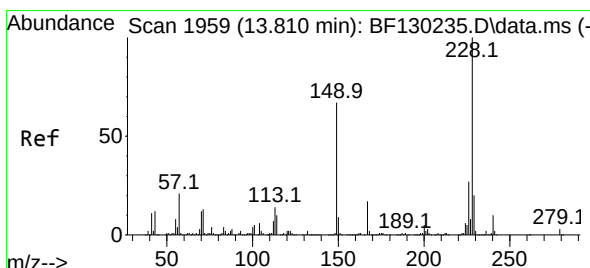
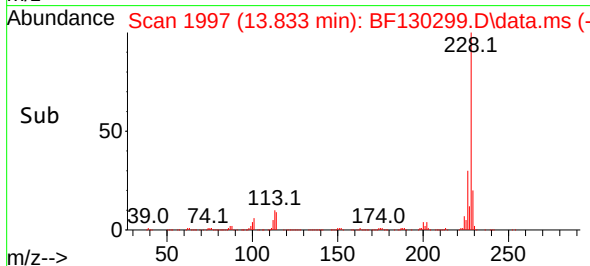
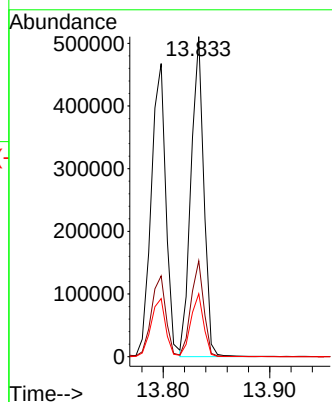
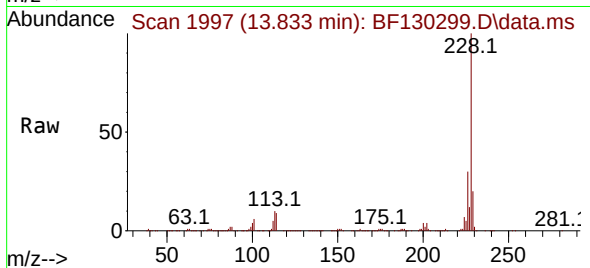
Tgt Ion:228 Resp: 425418

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.7 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.617 ng

RT: 13.798 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

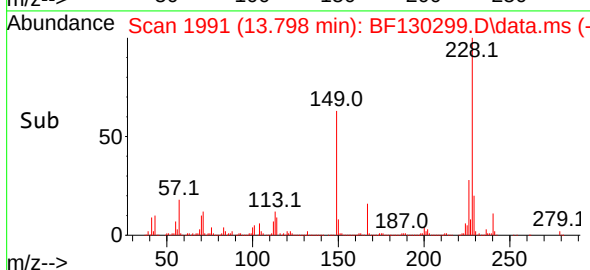
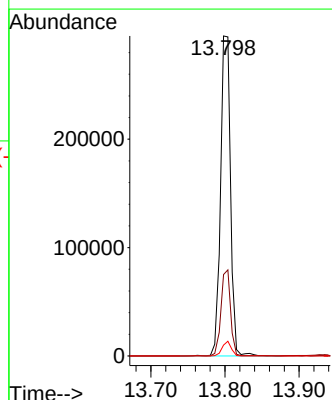
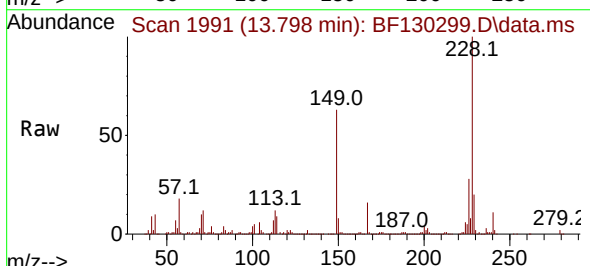
Tgt Ion:149 Resp: 277953

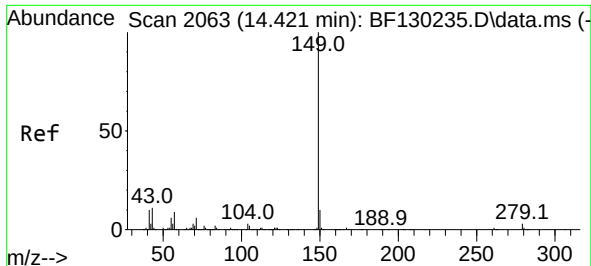
Ion Ratio Lower Upper

149 100

167 25.5 20.5 30.7

279 3.4 2.9 4.3

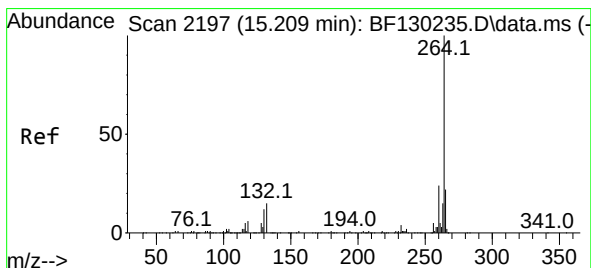
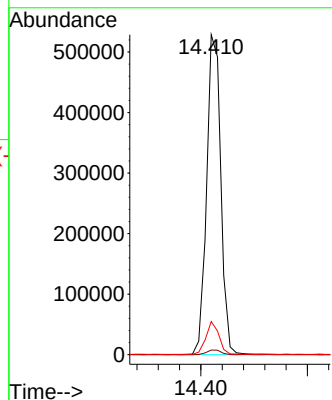
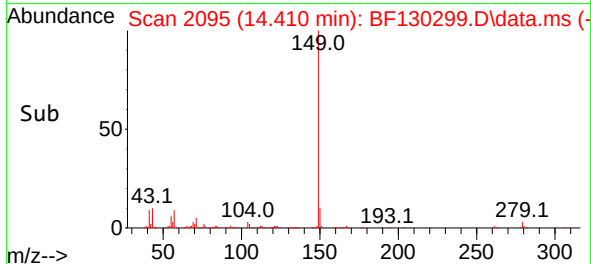
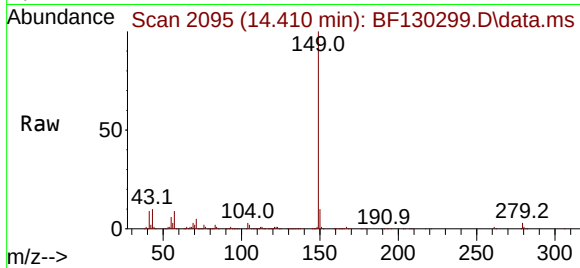




#85  
Di-n-octyl phthalate  
Concen: 59.398 ng  
RT: 14.410 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

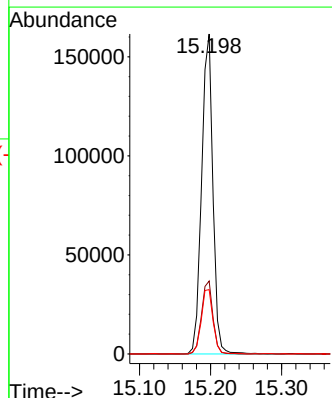
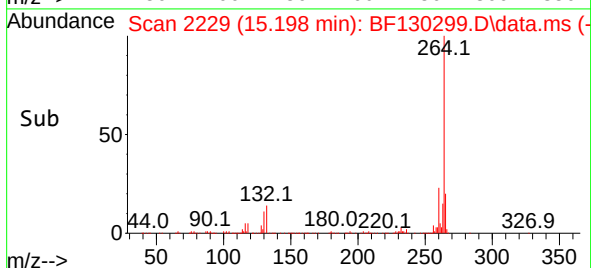
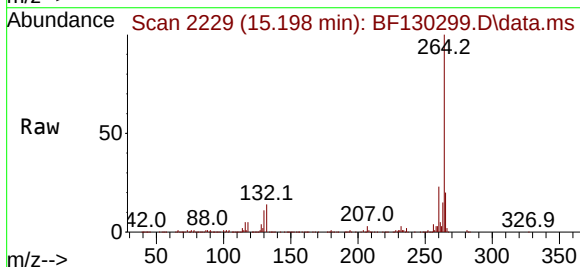
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

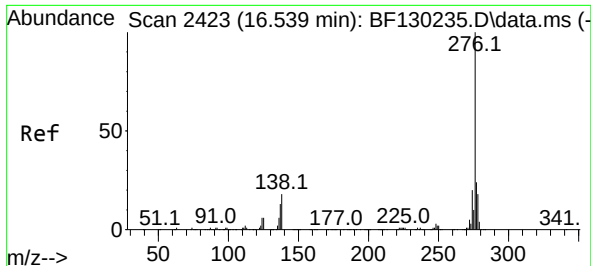
Tgt Ion:149 Resp: 489217  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 9.4 8.7 13.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.198 min Scan# 2229  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:264 Resp: 178289  
Ion Ratio Lower Upper  
264 100  
260 22.8 19.3 28.9  
265 20.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.222 ng

RT: 16.527 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

Instrument :

BNA\_F

ClientSampleId :

SP-4MS

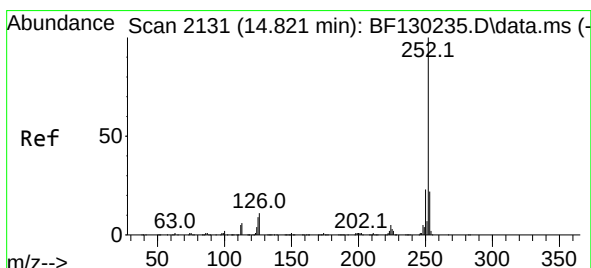
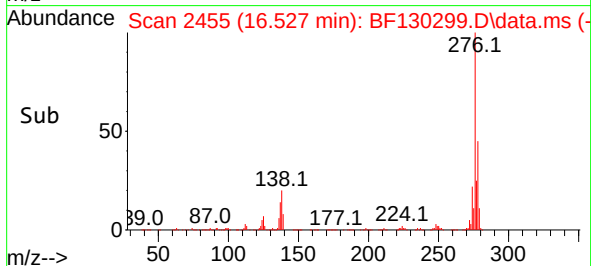
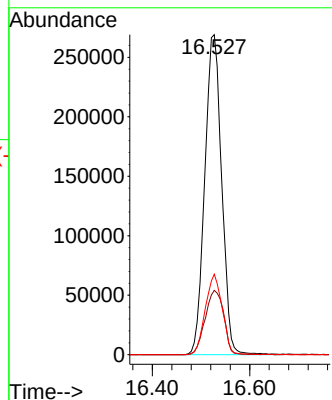
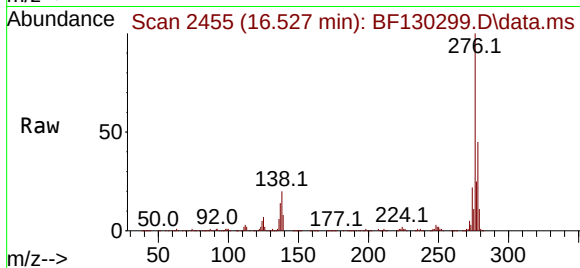
Tgt Ion:276 Resp: 647612

Ion Ratio Lower Upper

276 100

138 22.1 18.5 27.7

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 47.384 ng

RT: 14.810 min Scan# 2163

Delta R.T. 0.000 min

Lab File: BF130299.D

Acq: 16 Sep 2022 19:55

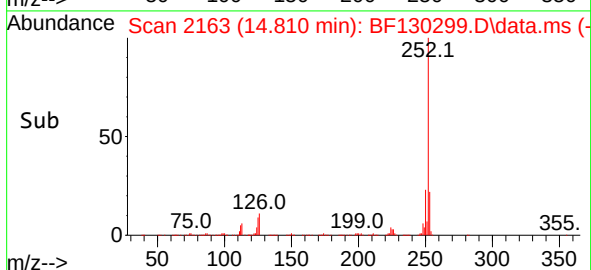
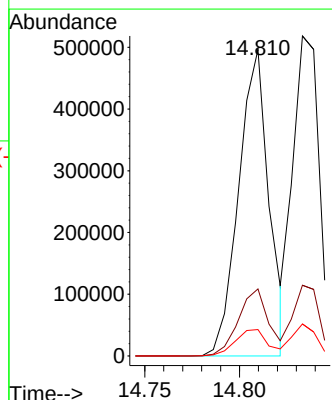
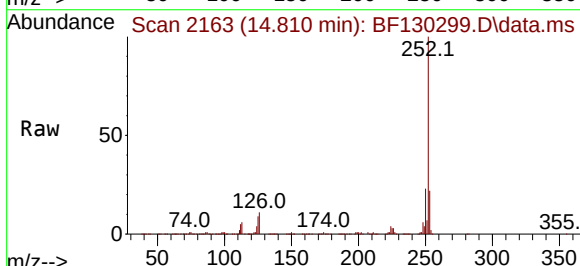
Tgt Ion:252 Resp: 551395

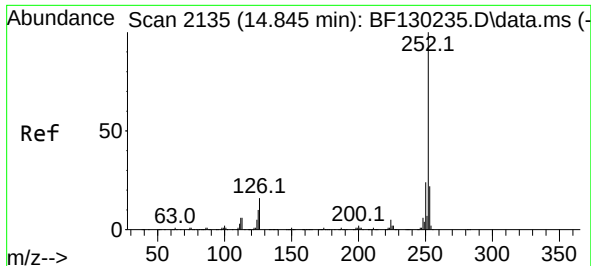
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 8.6 8.1 12.1

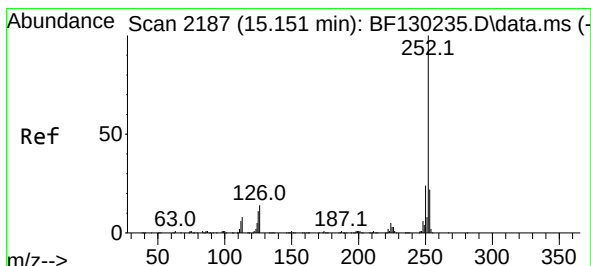
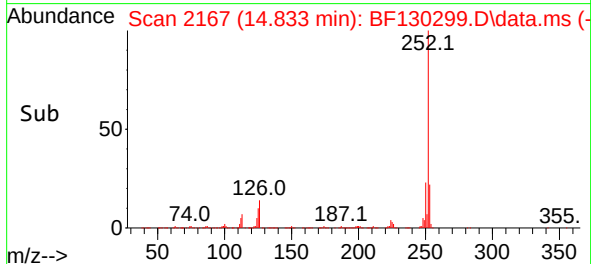
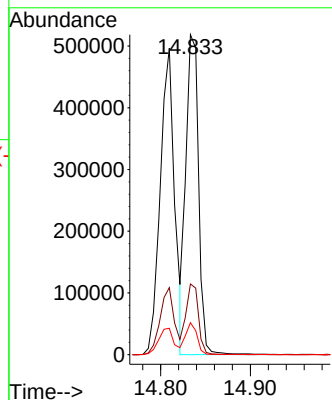
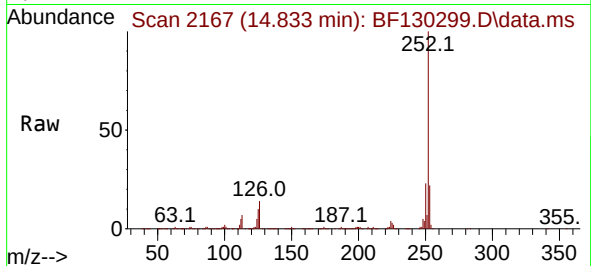




#89  
Benzo(k)fluoranthene  
Concen: 44.646 ng  
RT: 14.833 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

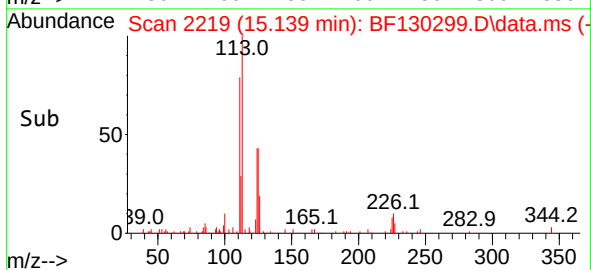
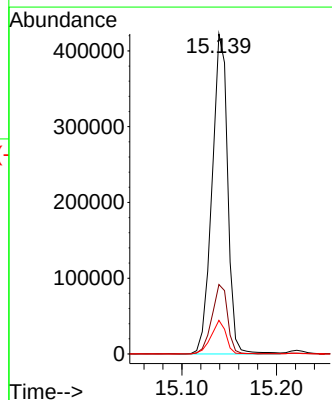
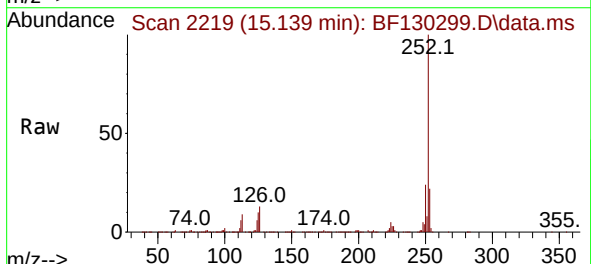
Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

Tgt Ion:252 Resp: 511072  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.4 26.2  
125 10.0 7.9 11.9

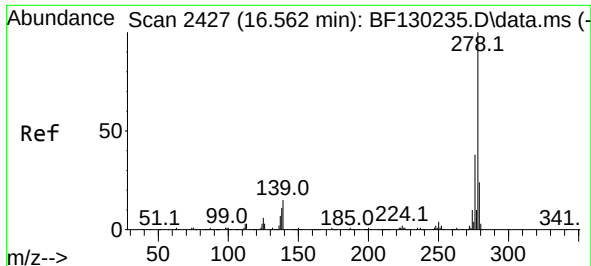


#90  
Benzo(a)pyrene  
Concen: 52.502 ng  
RT: 15.139 min Scan# 2219  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:252 Resp: 484025  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.8 26.6  
125 10.5 9.0 13.6



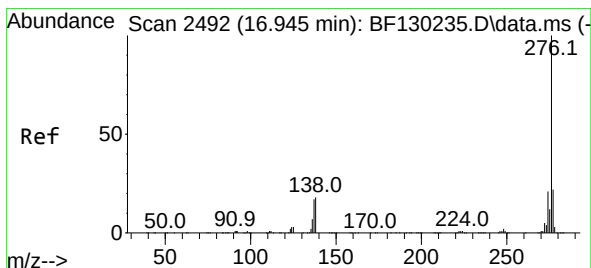
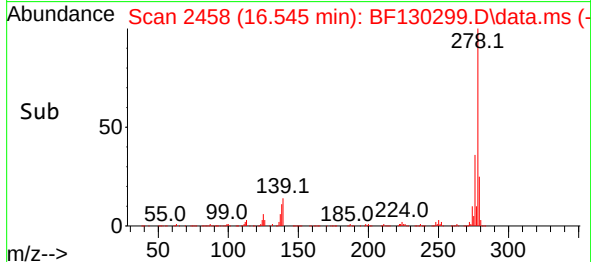
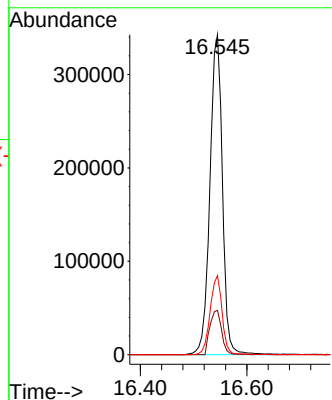
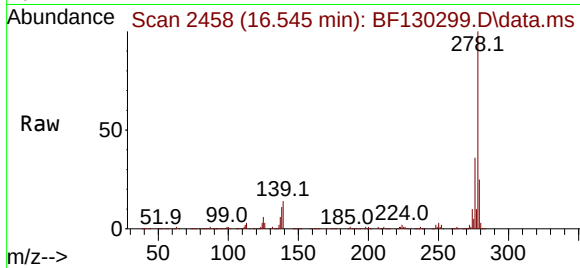




#91  
Dibenzo(a,h)anthracene  
Concen: 53.984 ng  
RT: 16.545 min Scan# 2427  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Instrument :  
BNA\_F  
ClientSampleId :  
SP-4MS

Tgt Ion:278 Resp: 559913  
Ion Ratio Lower Upper  
278 100  
139 13.8 11.8 17.8  
279 24.7 19.4 29.0



#92  
Benzo(g,h,i)perylene  
Concen: 52.171 ng  
RT: 16.927 min Scan# 2523  
Delta R.T. 0.000 min  
Lab File: BF130299.D  
Acq: 16 Sep 2022 19:55

Tgt Ion:276 Resp: 545091  
Ion Ratio Lower Upper  
276 100  
277 24.1 18.6 27.8  
138 19.2 14.6 21.8

