

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092923\  
 Data File : BF135513.D  
 Acq On : 29 Sep 2023 13:29  
 Operator : CG\JU  
 Sample : PB155842BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155781BS

Quant Time: Sep 30 00:19:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 30 00:12:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.745  | 152  | 167209   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.028  | 136  | 639870   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 318053   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.275 | 188  | 588814   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.933 | 240  | 285869   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.392 | 264  | 295742   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 1243776  | 120.982 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.404  | 99   | 1537696  | 117.629 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 1007813  | 85.570  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.580 | 330  | 350282   | 110.825 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.104  | 172  | 1639631  | 77.778  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 1578517  | 85.599  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.516  | 88   | 162671   | 36.094  | ng    | 92       |
| 3) Pyridine                   | 3.281  | 79   | 431705   | 35.591  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.234  | 42   | 280143   | 43.523  | ng    | 95       |
| 6) Aniline                    | 6.416  | 93   | 528807   | 30.848  | ng    | # 30     |
| 8) 2-Chlorophenol             | 6.540  | 128  | 483346   | 44.042  | ng    | 96       |
| 9) Benzaldehyde               | 6.304  | 77   | 120594   | 16.193  | ng    | 98       |
| 10) Phenol                    | 6.416  | 94   | 554439   | 38.679  | ng    | 81       |
| 11) bis(2-Chloroethyl)ether   | 6.492  | 93   | 479859   | 44.628  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.687  | 146  | 471050   | 42.234  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.763  | 146  | 476432   | 41.986  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.916  | 146  | 448587   | 42.569  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 401367   | 42.787  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022  | 45   | 849862   | 41.933  | ng    | 72       |
| 17) 2-Methylphenol            | 7.016  | 107  | 380737   | 39.313  | ng    | 95       |
| 18) Hexachloroethane          | 7.251  | 117  | 176306   | 42.050  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.169  | 70   | 307866   | 38.022  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.169  | 107  | 452386   | 38.846  | ng    | # 81     |
| 22) Acetophenone              | 7.163  | 105  | 604317   | 41.309  | ng    | 98       |
| 24) Nitrobenzene              | 7.334  | 77   | 497780   | 42.761  | ng    | 99       |
| 25) Isophorone                | 7.575  | 82   | 944378   | 43.667  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.651  | 139  | 253857   | 45.437  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.692  | 122  | 379248   | 40.384  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.781  | 93   | 583849   | 45.105  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.892  | 162  | 378927   | 43.545  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.969  | 180  | 394434   | 43.366  | ng    | 97       |
| 31) Naphthalene               | 8.045  | 128  | 1310445  | 42.151  | ng    | 99       |
| 32) Benzoic acid              | 7.839  | 122  | 308883   | 43.679  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.104  | 127  | 440270   | 32.277  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 215965   | 39.378  | ng    | 99       |
| 35) Caprolactam               | 8.528  | 113  | 68388    | 23.416  | ng    | 87       |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 420826   | 43.512  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.739  | 142  | 825985   | 39.524  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.839  | 142  | 790631   | 40.409  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.904  | 216  | 385972   | 41.888  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.886  | 237  | 203360   | 52.849  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.028  | 196  | 256622   | 42.537  | ng    | 99       |

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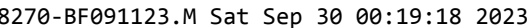
Instrument :  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 277820   | 39.988 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.204  | 154  | 1023159  | 41.861 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.233  | 162  | 774175   | 43.655 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.339  | 65   | 317320   | 46.058 | ng    | 99       |
| 49) Acenaphthylene            | 9.645  | 152  | 1241820  | 42.135 | ng    | 99       |
| 50) Dimethylphthalate         | 9.516  | 163  | 926062   | 43.065 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.581  | 165  | 206640   | 43.866 | ng    | 95       |
| 52) Acenaphthene              | 9.816  | 154  | 730907   | 41.980 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.751  | 138  | 201210   | 36.388 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.869  | 184  | 208895   | 78.261 | ng    | 91       |
| 55) Dibenzofuran              | 9.992  | 168  | 1033604  | 38.903 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 271049   | 77.126 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 235395   | 39.915 | ng    | # 85     |
| 58) Fluorene                  | 10.339 | 166  | 842616   | 41.254 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 228614   | 42.776 | ng    | 99       |
| 60) Diethylphthalate          | 10.216 | 149  | 928026   | 43.002 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.328 | 204  | 390845   | 39.835 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.375 | 138  | 227509   | 42.803 | ng    | 97       |
| 63) Azobenzene                | 10.486 | 77   | 955041   | 45.218 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.404 | 198  | 140940   | 45.067 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.451 | 169  | 792190   | 44.440 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 250700   | 42.809 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.886 | 284  | 270796   | 45.389 | ng    | 95       |
| 69) Atrazine                  | 10.986 | 200  | 243286   | 50.721 | ng    | 97       |
| 70) Pentachlorophenol         | 11.086 | 266  | 235539   | 65.986 | ng    | 98       |
| 71) Phenanthrene              | 11.304 | 178  | 1232463  | 44.256 | ng    | 99       |
| 72) Anthracene                | 11.357 | 178  | 1264213  | 44.164 | ng    | 99       |
| 73) Carbazole                 | 11.516 | 167  | 1205244  | 46.252 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.845 | 149  | 1417395  | 46.161 | ng    | 100      |
| 75) Fluoranthene              | 12.498 | 202  | 1282237  | 44.188 | ng    | 99       |
| 77) Benzidine                 | 12.622 | 184  | 471181   | 80.454 | ng    | 99       |
| 78) Pyrene                    | 12.727 | 202  | 1296736  | 47.645 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.351 | 149  | 502651   | 52.454 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.921 | 228  | 856868   | 46.419 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.886 | 252  | 253336   | 43.937 | ng    | 99       |
| 83) Chrysene                  | 13.957 | 228  | 830840   | 45.270 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149  | 595800   | 60.589 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.527 | 149  | 874479   | 55.959 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.880 | 276  | 909296   | 46.893 | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 14.968 | 252  | 713671   | 44.578 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 14.998 | 252  | 707531   | 44.739 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.333 | 252  | 668629   | 43.795 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.886 | 278  | 742845   | 46.820 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.321 | 276  | 776941   | 46.889 | ng    | 96       |

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

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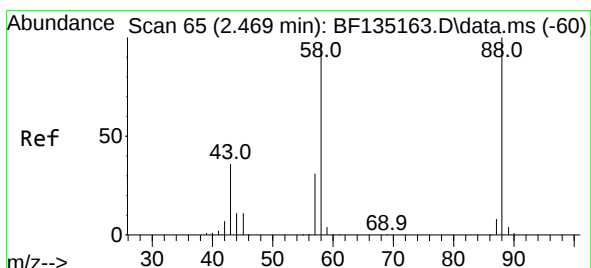
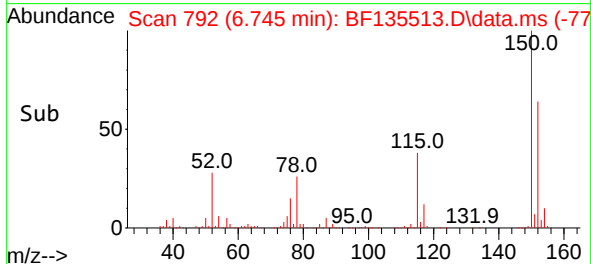
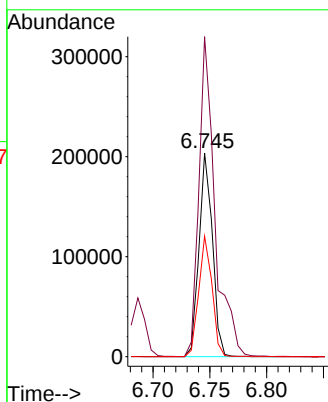
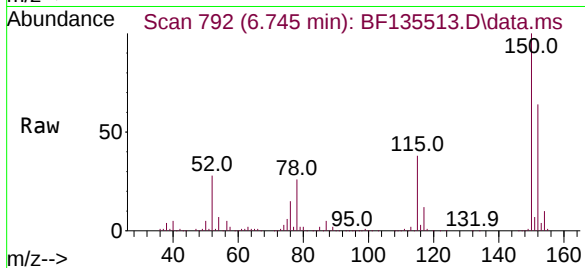




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.745 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF135513.D  
 Acq: 29 Sep 2023 13:29

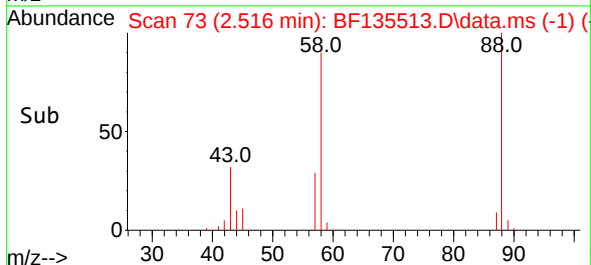
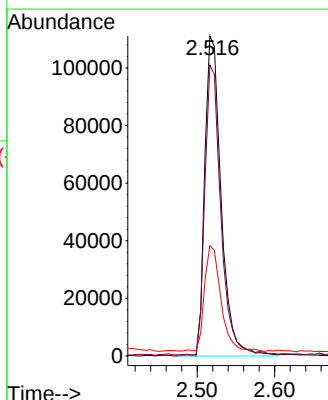
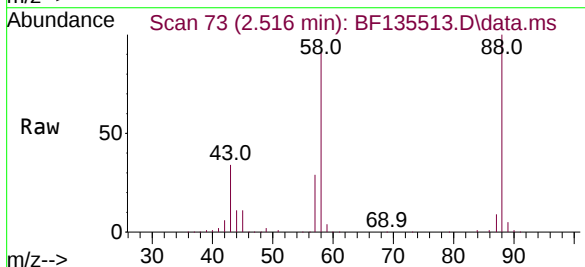
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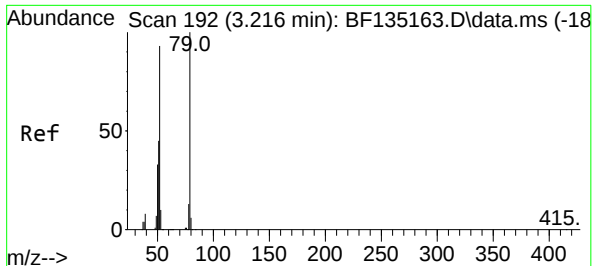
Tgt Ion:152 Resp: 167209  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 127.8 191.6  
 115 59.1 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 36.094 ng  
 RT: 2.516 min Scan# 73  
 Delta R.T. 0.071 min  
 Lab File: BF135513.D  
 Acq: 29 Sep 2023 13:29

Tgt Ion: 88 Resp: 162671  
 Ion Ratio Lower Upper  
 88 100  
 58 89.1 78.3 117.5  
 43 33.3 29.4 44.0

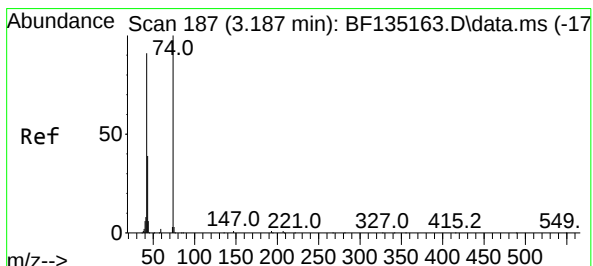
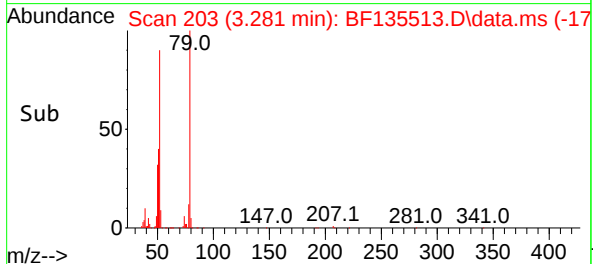
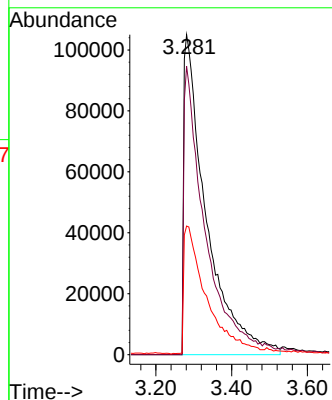
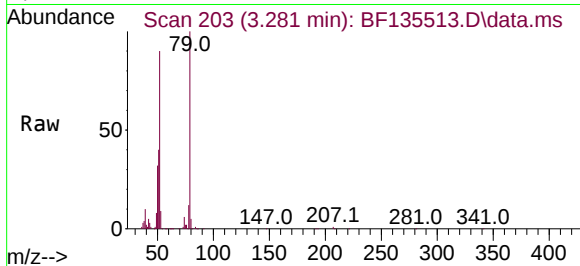




#3  
Pyridine  
Concen: 35.591 ng  
RT: 3.281 min Scan# 20  
Delta R.T. 0.082 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

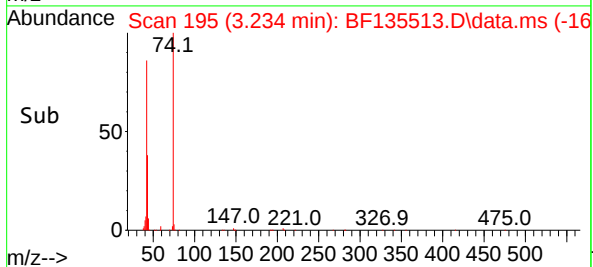
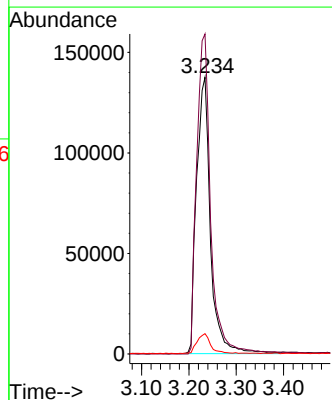
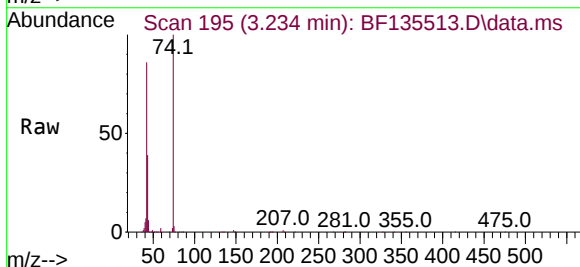
Instrument :  
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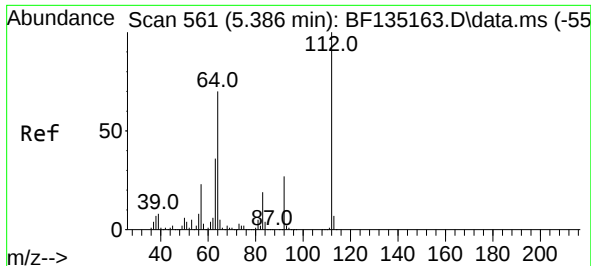
Tgt Ion: 79 Resp: 431705  
Ion Ratio Lower Upper  
79 100  
52 90.2 74.1 111.1  
51 40.2 35.8 53.8



#4  
n-Nitrosodimethylamine  
Concen: 43.523 ng  
RT: 3.234 min Scan# 195  
Delta R.T. 0.065 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion: 42 Resp: 280143  
Ion Ratio Lower Upper  
42 100  
74 115.7 87.7 131.5  
44 7.3 5.6 8.4

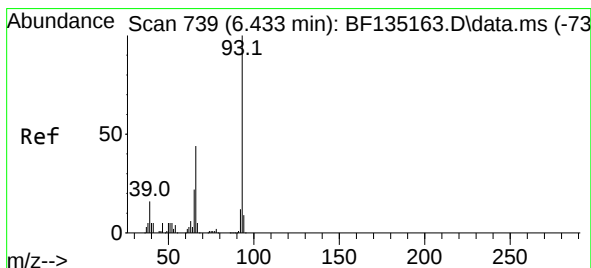
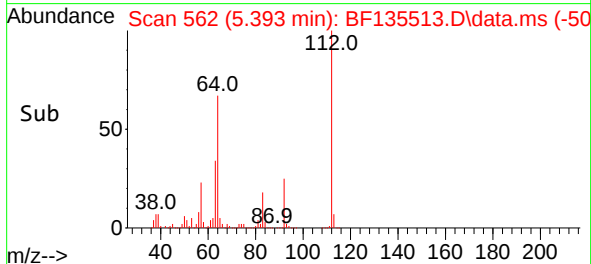
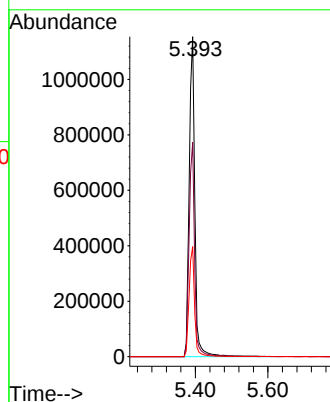
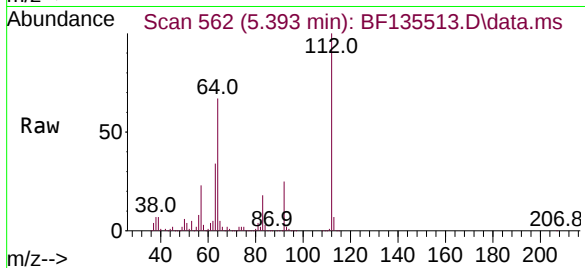




#5  
2-Fluorophenol  
Concen: 120.982 ng  
RT: 5.393 min Scan# 501  
Delta R.T. 0.012 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

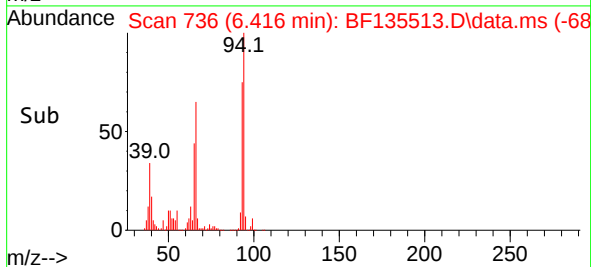
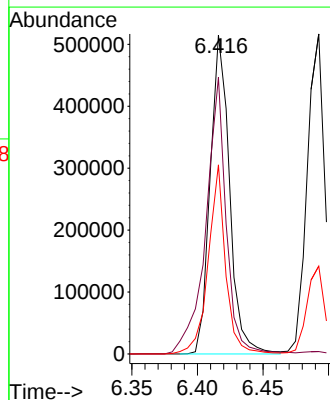
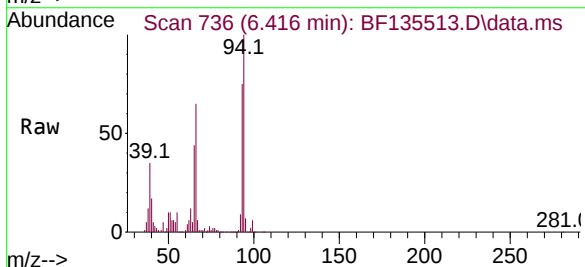
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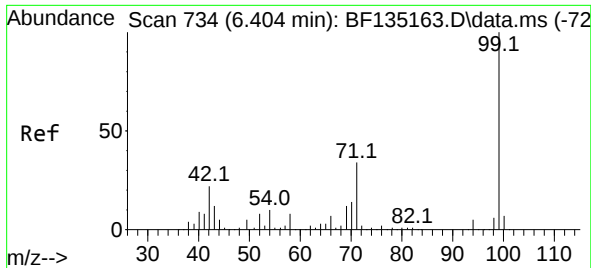
Tgt Ion:112 Resp: 1243776  
Ion Ratio Lower Upper  
112 100  
64 66.9 55.9 83.9  
63 34.4 29.0 43.6



#6  
Aniline  
Concen: 30.848 ng  
RT: 6.416 min Scan# 736  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
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Tgt Ion: 93 Resp: 528807  
Ion Ratio Lower Upper  
93 100  
66 86.7 35.4 53.0#  
65 59.3 17.8 26.8#

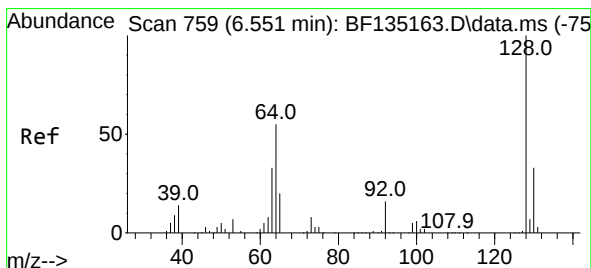
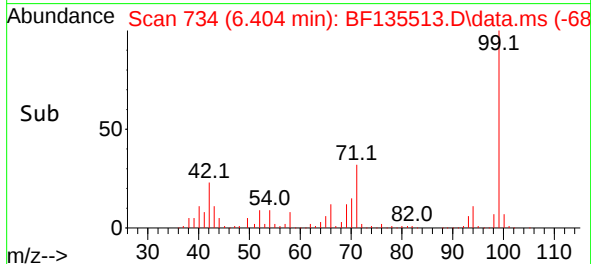
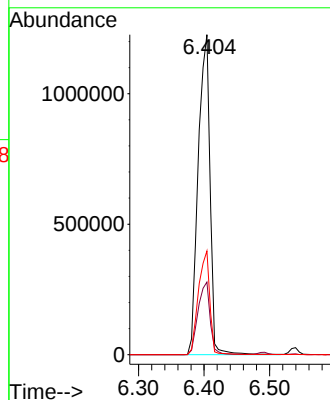
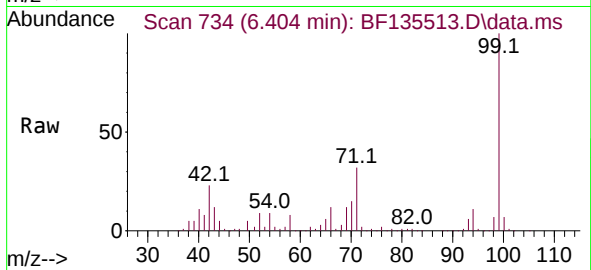




#7  
Phenol-d6  
Concen: 117.629 ng  
RT: 6.404 min Scan# 711  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

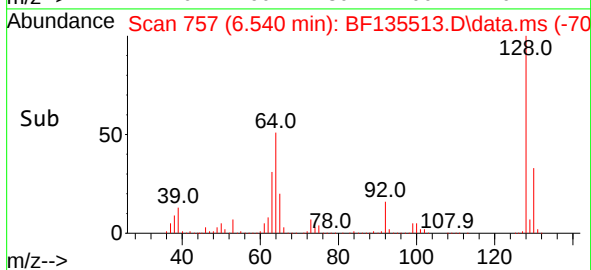
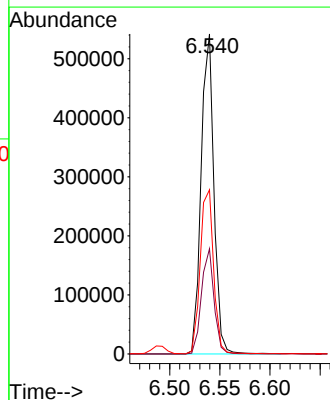
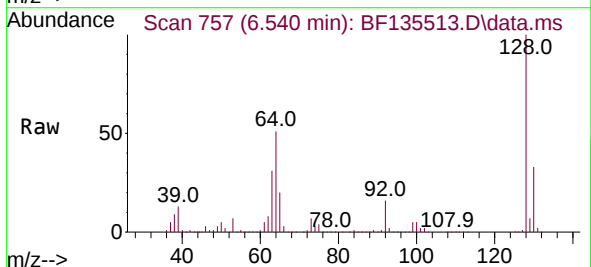
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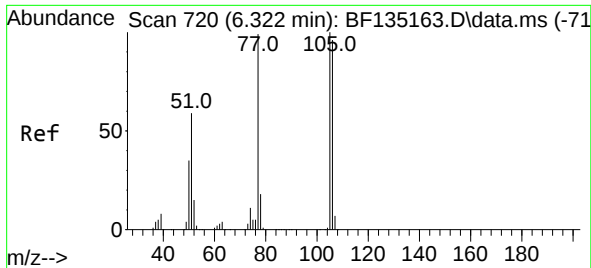
Tgt Ion: 99 Resp: 1537696  
Ion Ratio Lower Upper  
99 100  
42 22.7 17.9 26.9  
71 32.4 27.0 40.6



#8  
2-Chlorophenol  
Concen: 44.042 ng  
RT: 6.540 min Scan# 757  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
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Tgt Ion:128 Resp: 483346  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.7 52.7  
64 51.3 35.9 75.9





#9

Benzaldehyde

Concen: 16.193 ng

RT: 6.304 min Scan# 717

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

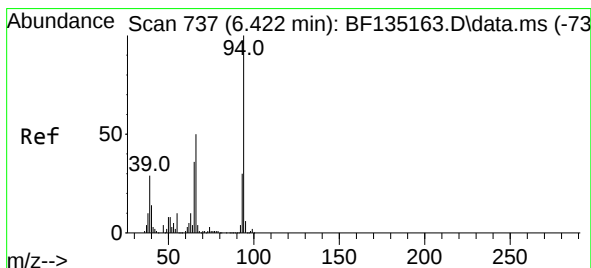
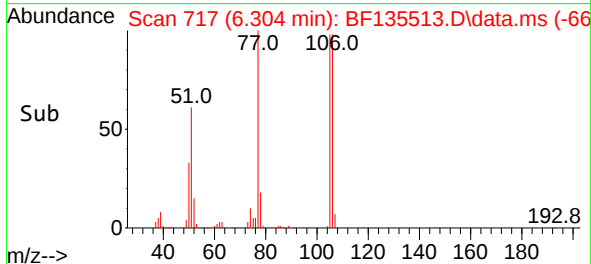
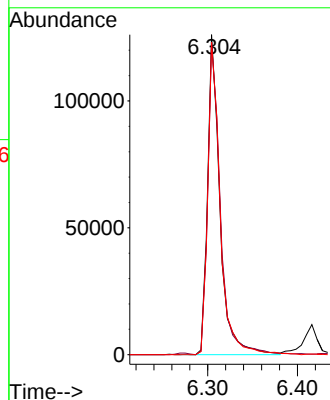
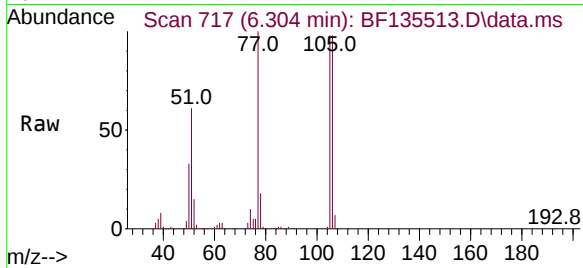
Tgt Ion: 77 Resp: 120594

Ion Ratio Lower Upper

77 100

105 97.5 81.4 121.4

106 97.6 76.9 116.9



#10

Phenol

Concen: 38.679 ng

RT: 6.416 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

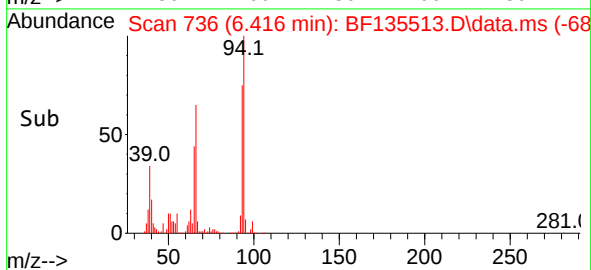
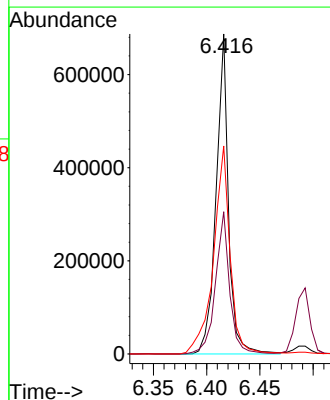
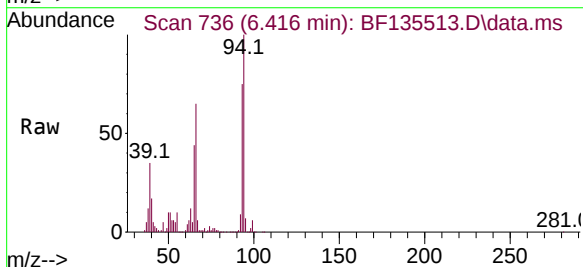
Tgt Ion: 94 Resp: 554439

Ion Ratio Lower Upper

94 100

65 44.4 15.9 55.9

66 65.0 29.8 69.8

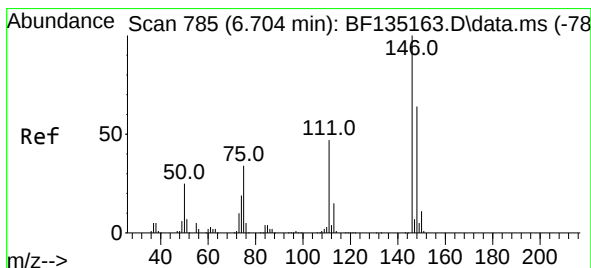
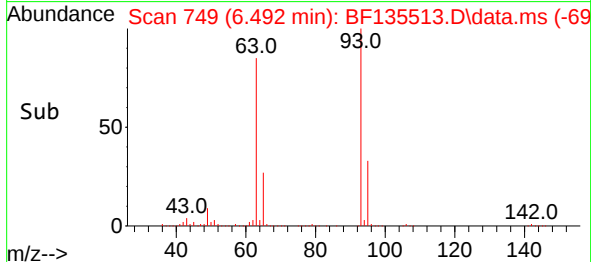
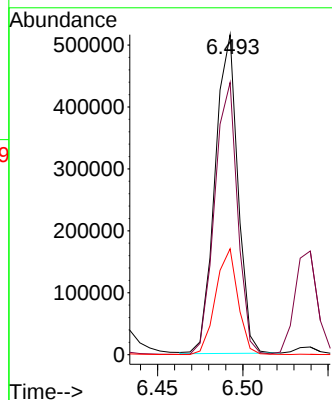
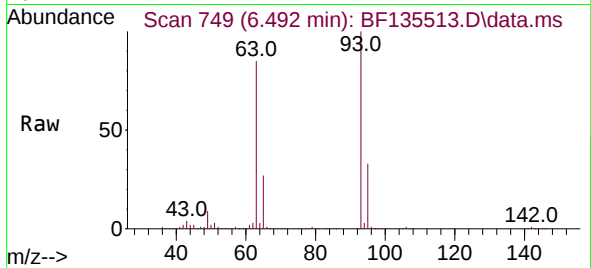




#11  
bis(2-Chloroethyl)ether  
Concen: 44.628 ng  
RT: 6.492 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

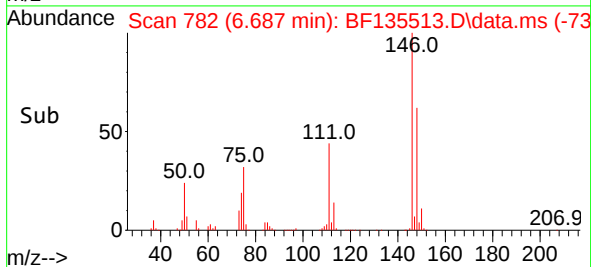
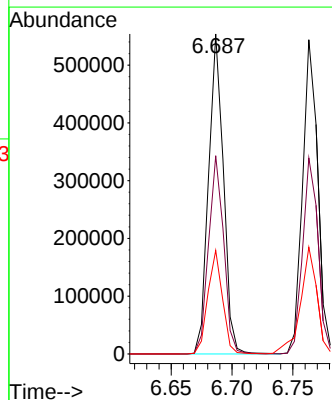
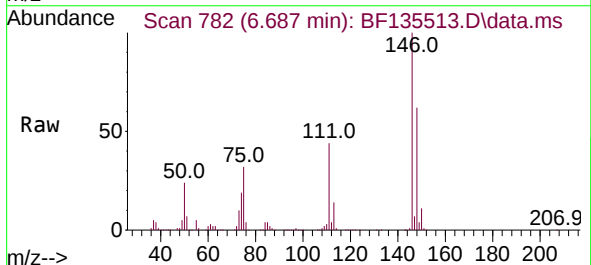
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

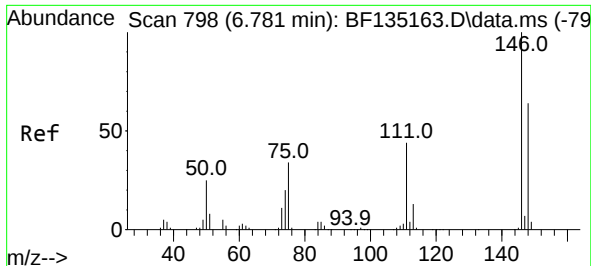
Tgt Ion: 93 Resp: 479859  
Ion Ratio Lower Upper  
93 100  
63 85.1 67.3 107.3  
95 33.1 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 42.234 ng  
RT: 6.687 min Scan# 782  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:146 Resp: 471050  
Ion Ratio Lower Upper  
146 100  
148 62.0 51.3 76.9  
75 32.4 27.4 41.2

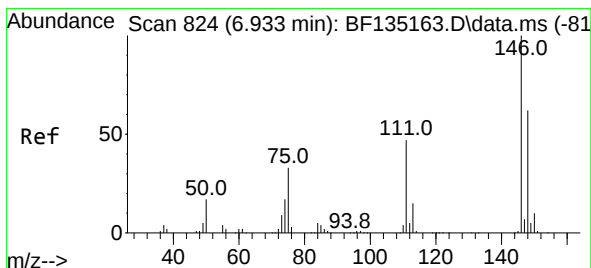
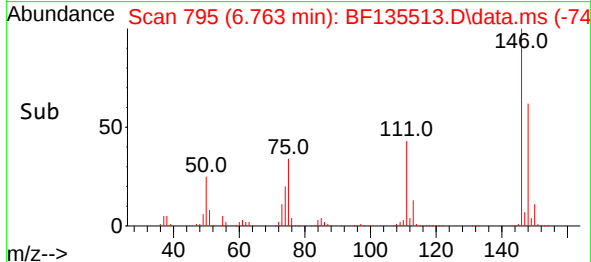
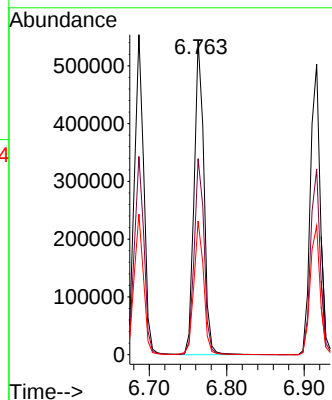
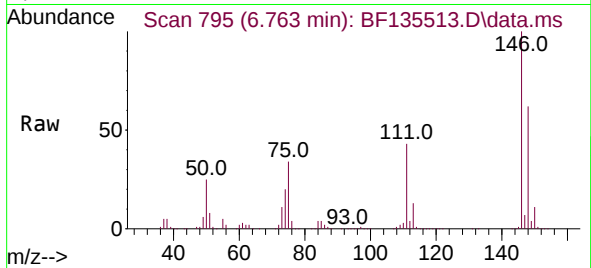




#13  
1,4-Dichlorobenzene  
Concen: 41.986 ng  
RT: 6.763 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

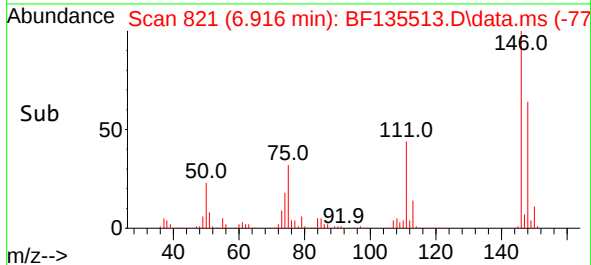
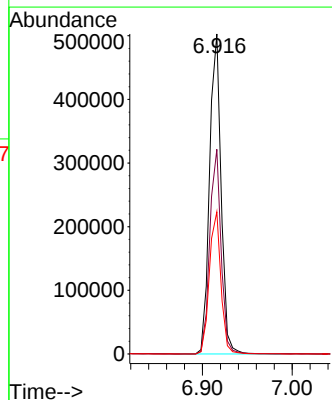
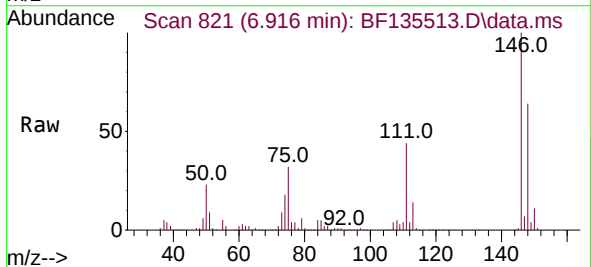
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

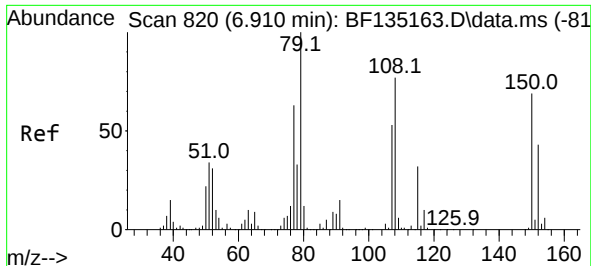
Tgt Ion:146 Resp: 476432  
Ion Ratio Lower Upper  
146 100  
148 62.4 51.3 76.9  
111 42.6 35.1 52.7



#14  
1,2-Dichlorobenzene  
Concen: 42.569 ng  
RT: 6.916 min Scan# 821  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:146 Resp: 448587  
Ion Ratio Lower Upper  
146 100  
148 63.9 49.7 74.5  
111 44.4 37.4 56.2

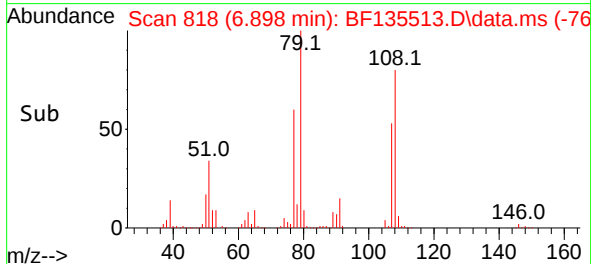
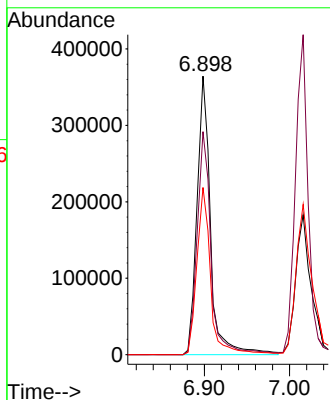
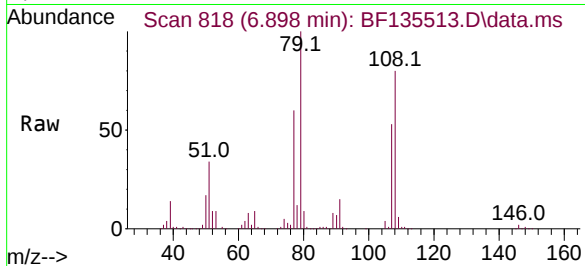




#15  
Benzyl Alcohol  
Concen: 42.787 ng  
RT: 6.898 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

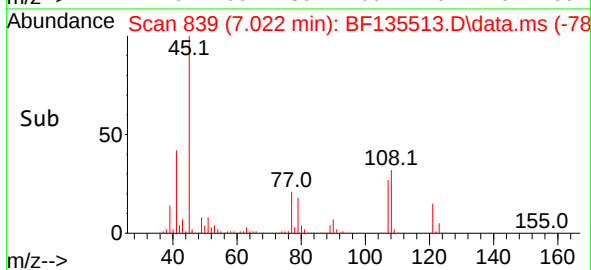
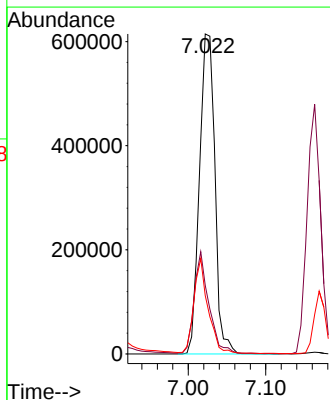
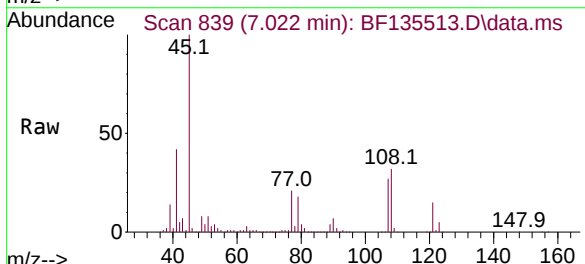
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

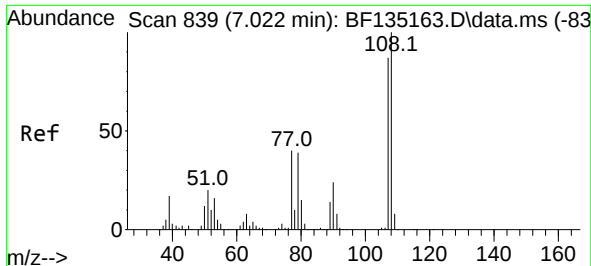
Tgt Ion: 79 Resp: 401367  
Ion Ratio Lower Upper  
79 100  
108 80.1 61.2 91.8  
77 60.0 50.5 75.7



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 41.933 ng  
RT: 7.022 min Scan# 839  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion: 45 Resp: 849862  
Ion Ratio Lower Upper  
45 100  
77 21.4 0.0 30.6  
79 18.2 0.0 28.3



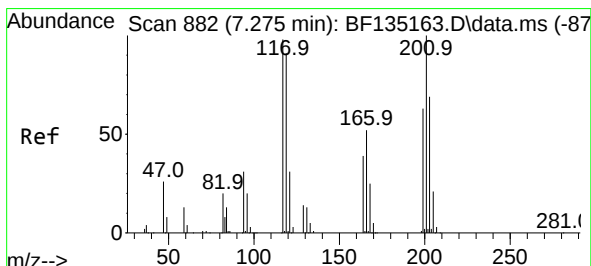
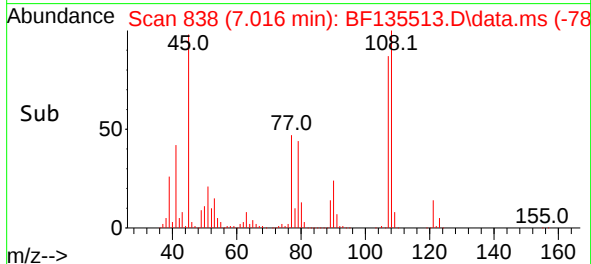
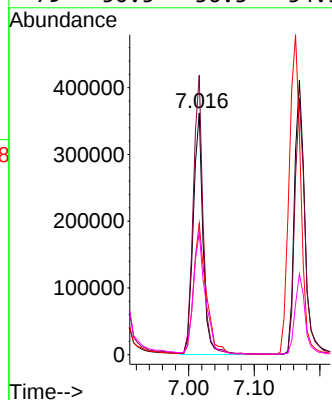
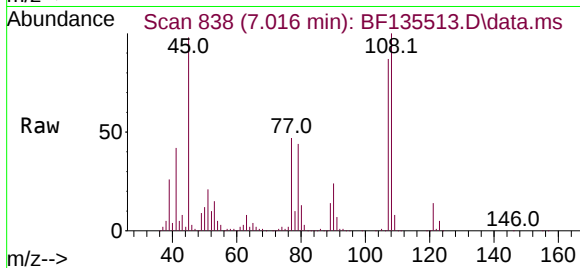


#17  
2-Methylphenol  
Concen: 39.313 ng  
RT: 7.016 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

Tgt Ion:107 Resp: 380737

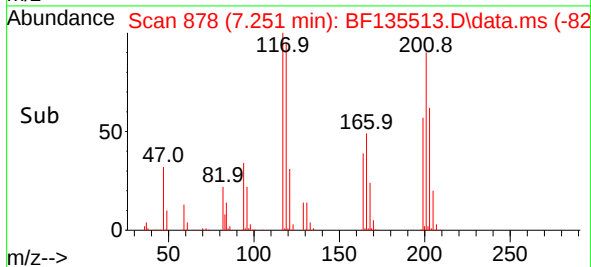
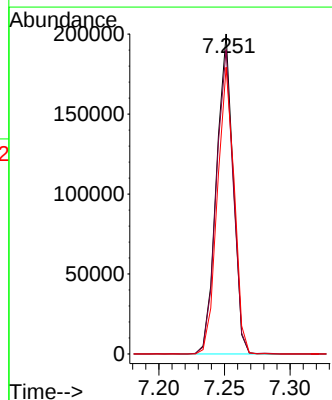
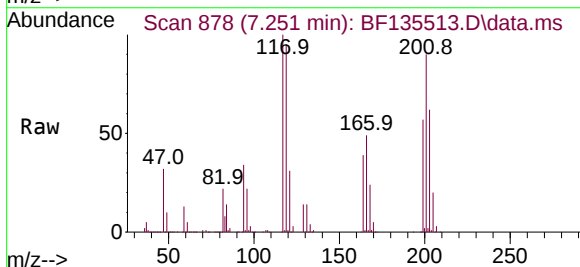
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 115.6 | 92.0  | 138.0 |
| 77  | 54.3  | 36.7  | 55.1  |
| 79  | 50.5  | 36.3  | 54.5  |

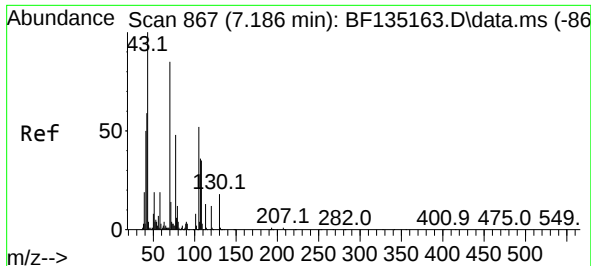


#18  
Hexachloroethane  
Concen: 42.050 ng  
RT: 7.251 min Scan# 878  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:117 Resp: 176306

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 95.1  | 74.7  | 112.1 |
| 201 | 89.6  | 81.8  | 122.8 |

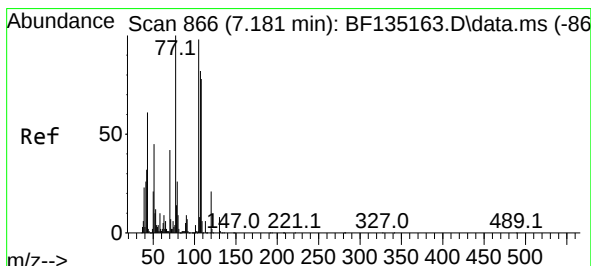
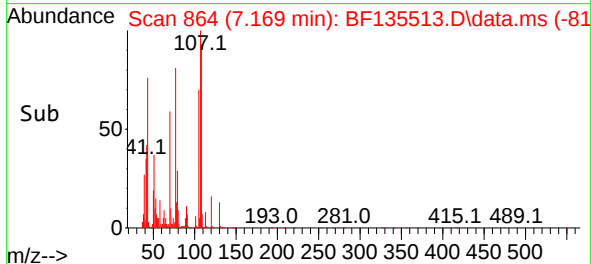
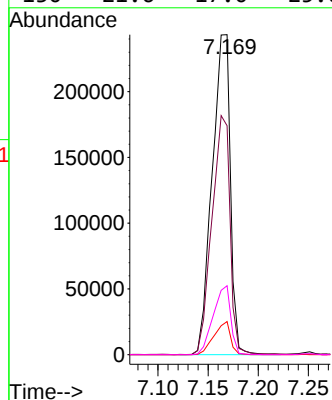
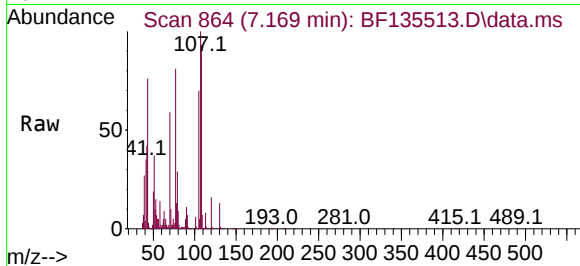




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.022 ng  
RT: 7.169 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

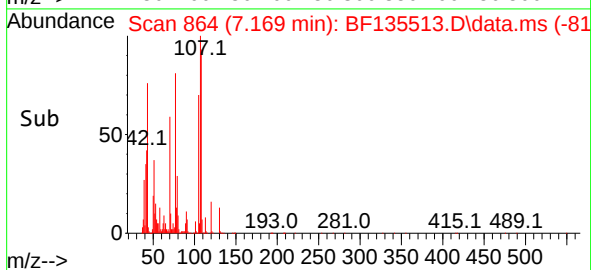
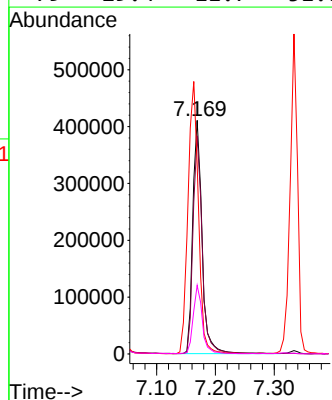
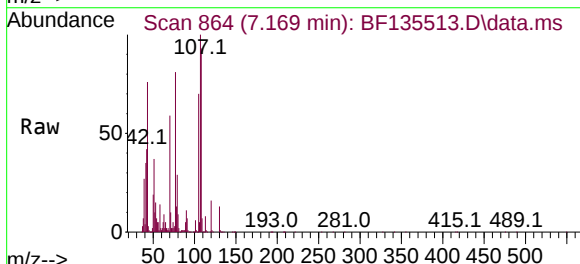
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

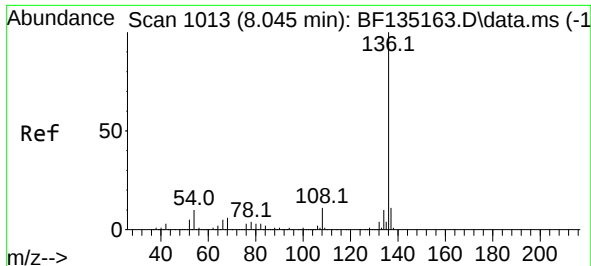
Tgt Ion: 70 Resp: 307866  
Ion Ratio Lower Upper  
70 100  
42 71.6 55.4 83.0  
101 10.3 7.7 11.5  
130 21.6 17.0 25.6



#20  
3+4-Methylphenols  
Concen: 38.846 ng  
RT: 7.169 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion: 107 Resp: 452386  
Ion Ratio Lower Upper  
107 100  
108 93.4 74.7 114.7  
77 81.2 102.0 142.0#  
79 29.4 11.7 51.7

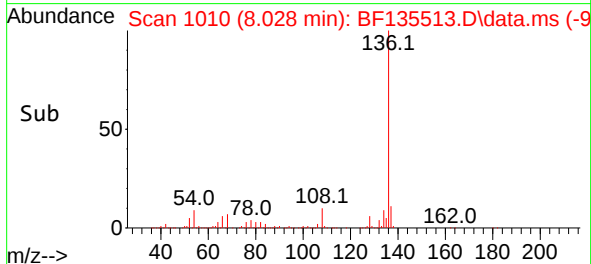
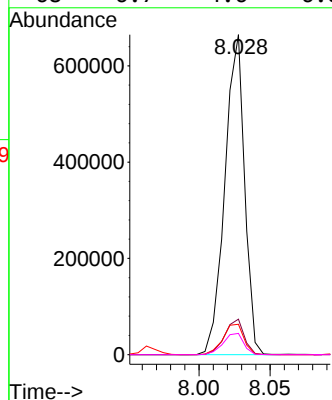
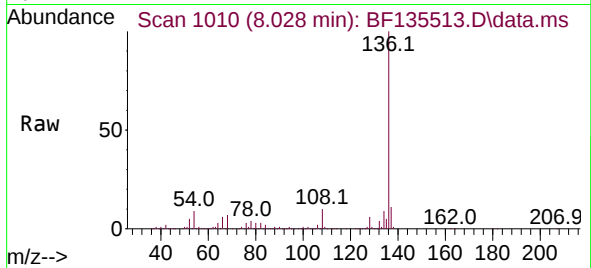




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.028 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

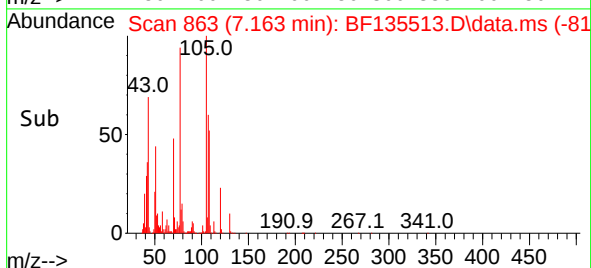
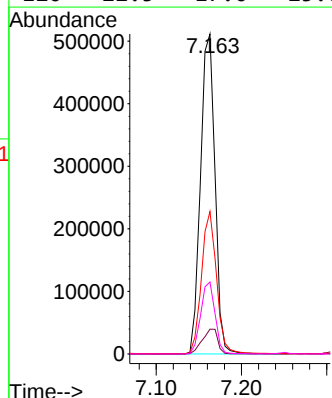
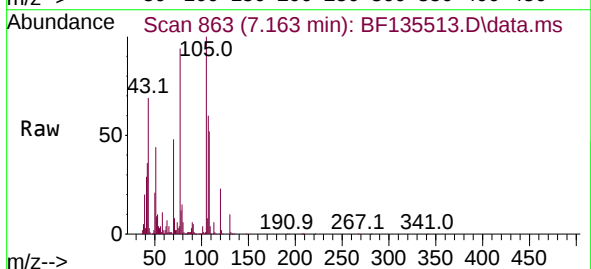
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

Tgt Ion:136 Resp: 639870  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 9.5 7.7 11.5  
68 6.7 4.6 6.8



#22  
Acetophenone  
Concen: 41.309 ng  
RT: 7.163 min Scan# 863  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:105 Resp: 604317  
Ion Ratio Lower Upper  
105 100  
71 7.7 5.8 8.6  
51 44.5 37.0 55.4  
120 22.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 85.570 ng

RT: 7.316 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

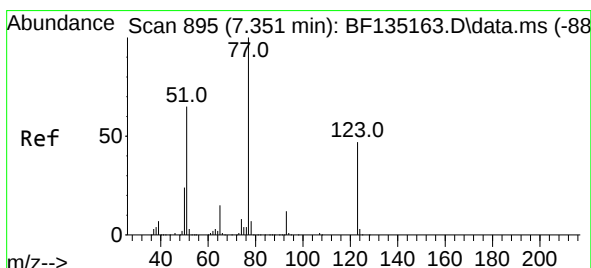
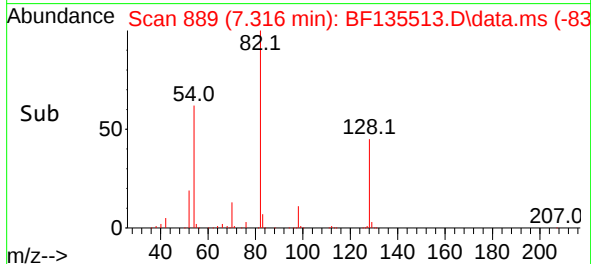
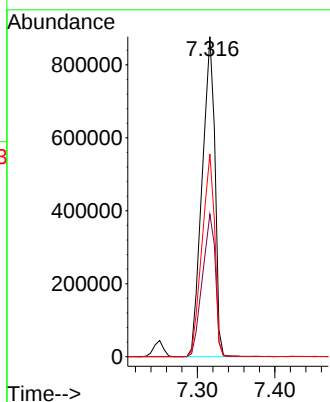
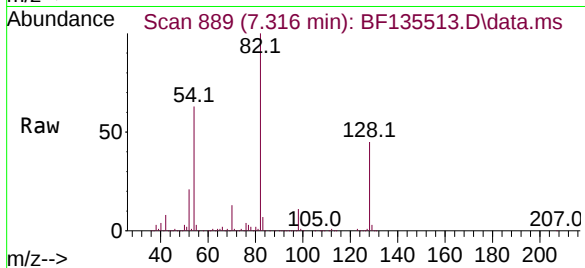
BNA\_F

ClientSampleId :

PB155781BS

Tgt Ion: 82 Resp: 1007813

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.5  | 35.8  | 53.6  |
| 54  | 63.3  | 50.6  | 76.0  |



#24

Nitrobenzene

Concen: 42.761 ng

RT: 7.334 min Scan# 892

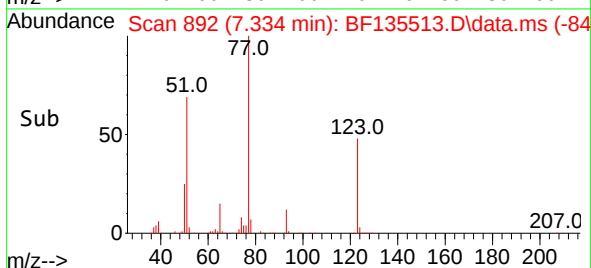
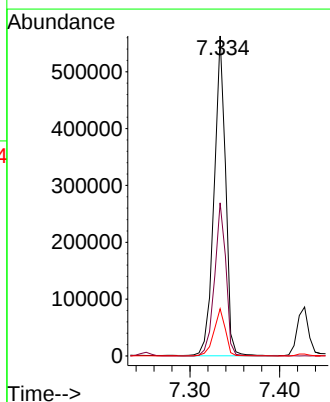
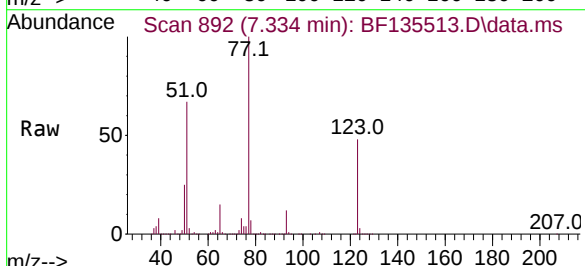
Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Tgt Ion: 77 Resp: 497780

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.9  | 37.6  | 56.4  |
| 65  | 14.8  | 12.2  | 18.4  |

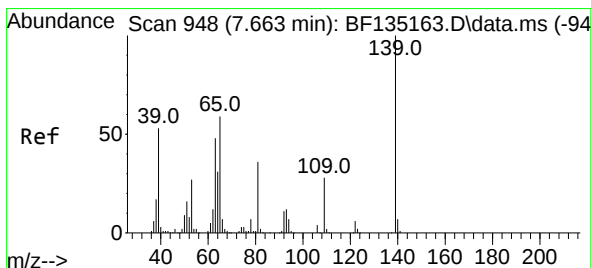
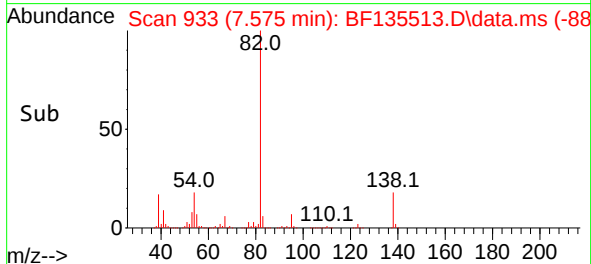
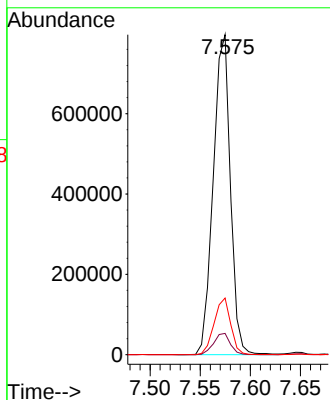
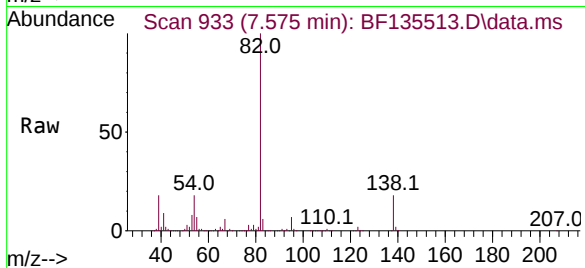




#25  
Isophorone  
Concen: 43.667 ng  
RT: 7.575 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

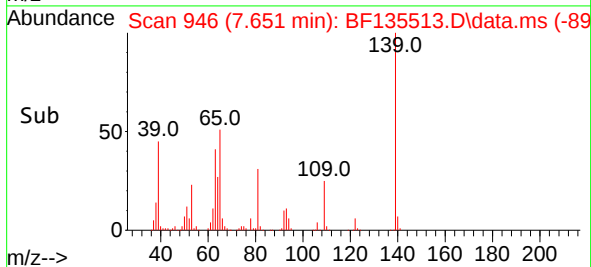
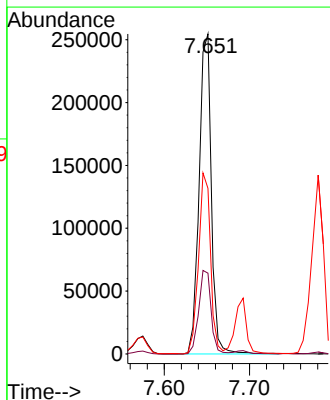
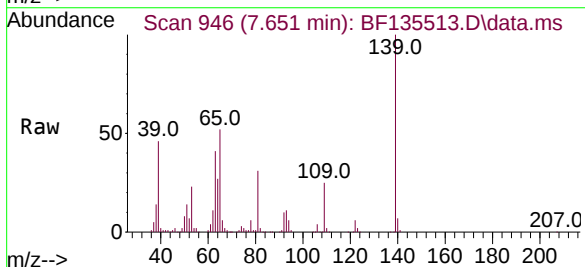
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

Tgt Ion: 82 Resp: 944378  
Ion Ratio Lower Upper  
82 100  
95 6.7 6.0 9.0  
138 17.7 14.5 21.7



#26  
2-Nitrophenol  
Concen: 45.437 ng  
RT: 7.651 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion: 139 Resp: 253857  
Ion Ratio Lower Upper  
139 100  
109 25.3 22.6 33.8  
65 51.8 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 40.384 ng

RT: 7.692 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135513.D

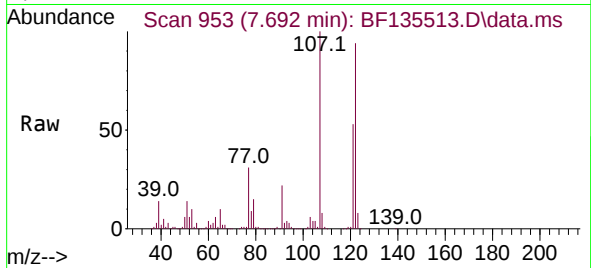
Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS



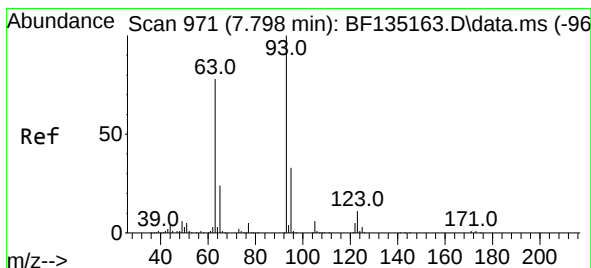
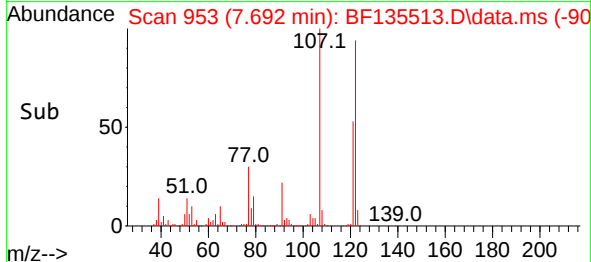
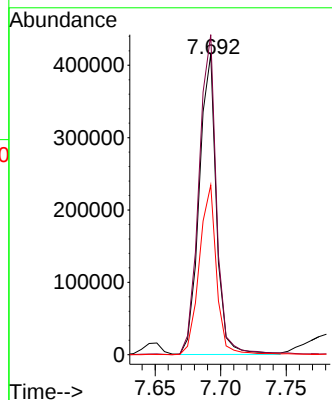
Tgt Ion:122 Resp: 379248

Ion Ratio Lower Upper

122 100

107 106.4 90.2 135.4

121 56.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 45.105 ng

RT: 7.781 min Scan# 968

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

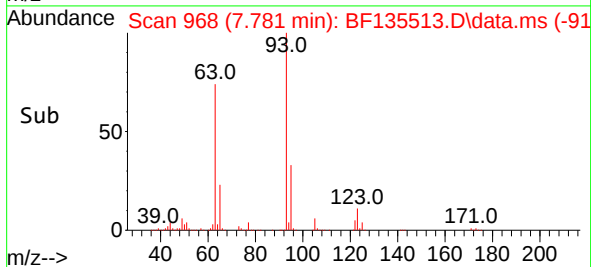
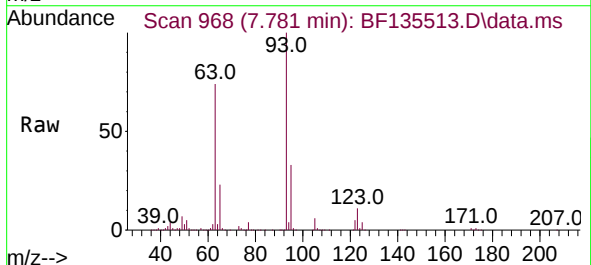
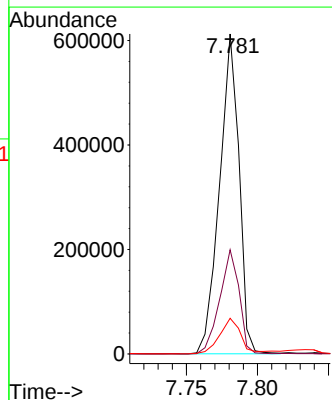
Tgt Ion: 93 Resp: 583849

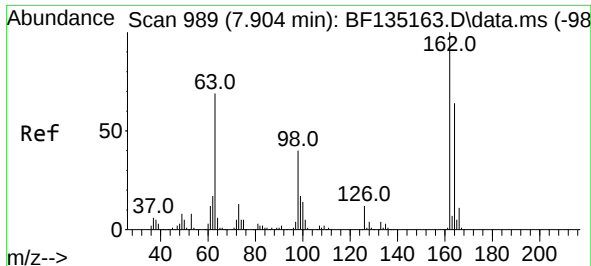
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 11.2 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 43.545 ng

RT: 7.892 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

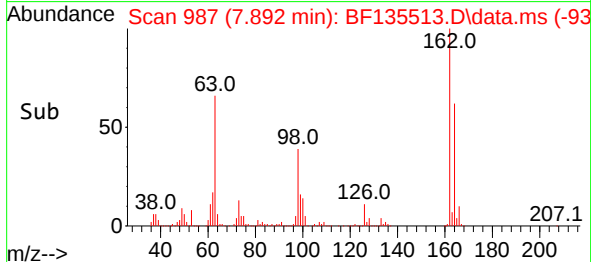
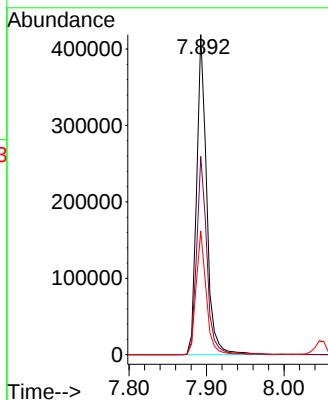
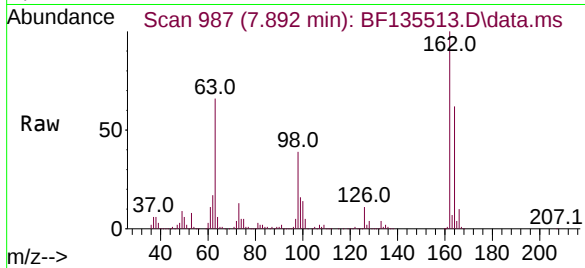
Tgt Ion:162 Resp: 378927

Ion Ratio Lower Upper

162 100

164 61.9 44.1 84.1

98 38.7 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 43.366 ng

RT: 7.969 min Scan# 1000

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

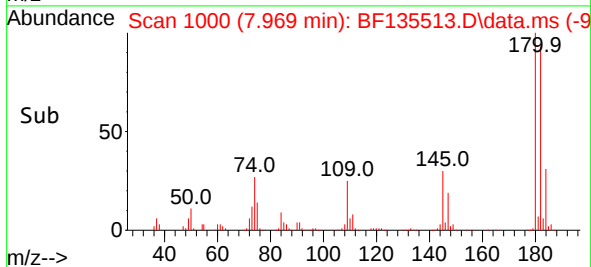
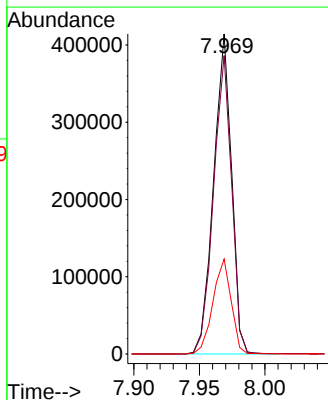
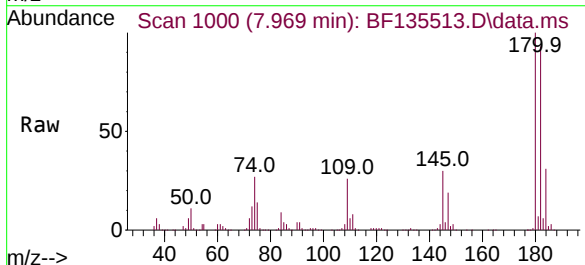
Tgt Ion:180 Resp: 394434

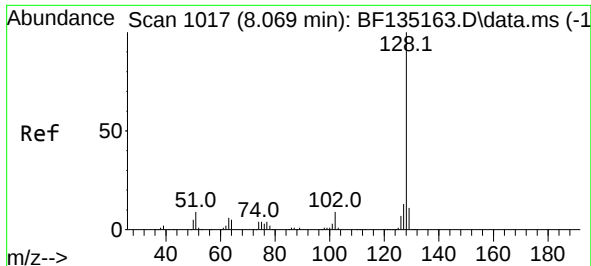
Ion Ratio Lower Upper

180 100

182 93.2 76.9 115.3

145 29.6 24.5 36.7

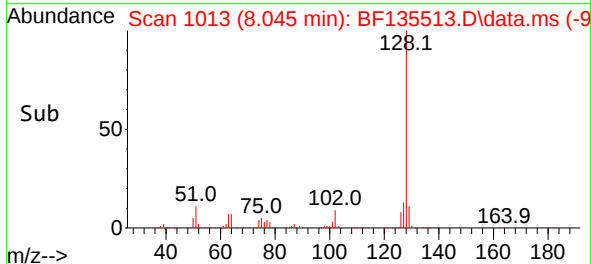
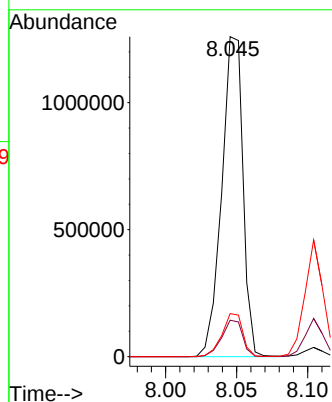
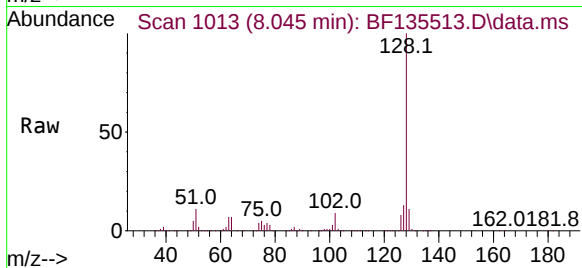




#31  
Naphthalene  
Concen: 42.151 ng  
RT: 8.045 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

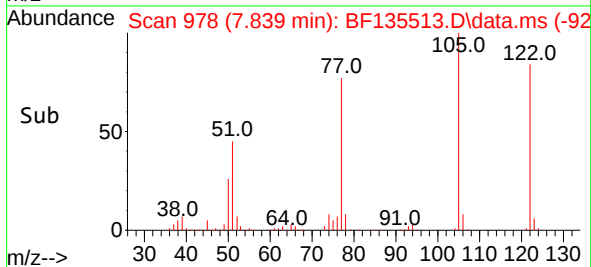
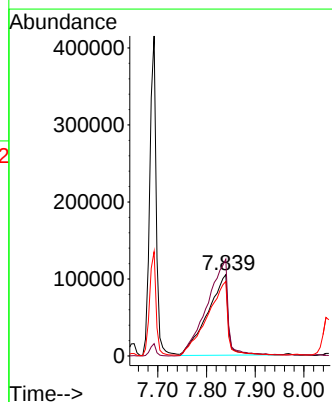
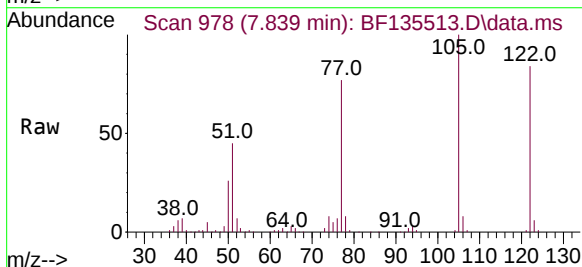
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

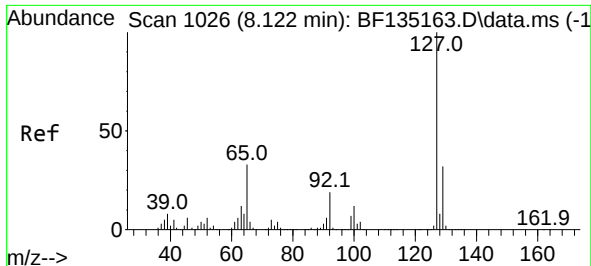
Tgt Ion:128 Resp: 1310445  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.7 13.1  
127 13.4 10.7 16.1



#32  
Benzoic acid  
Concen: 43.679 ng  
RT: 7.839 min Scan# 978  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:122 Resp: 308883  
Ion Ratio Lower Upper  
122 100  
105 119.0 99.9 139.9  
77 91.7 70.0 110.0

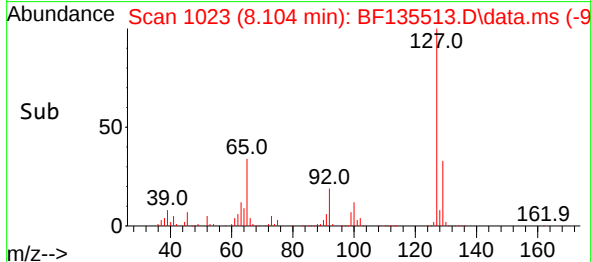
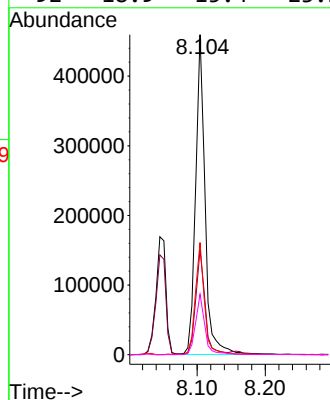
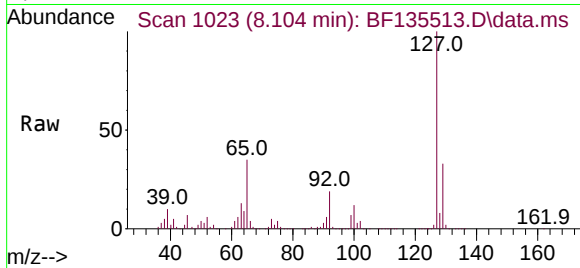




#33  
4-Chloroaniline  
Concen: 32.277 ng  
RT: 8.104 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

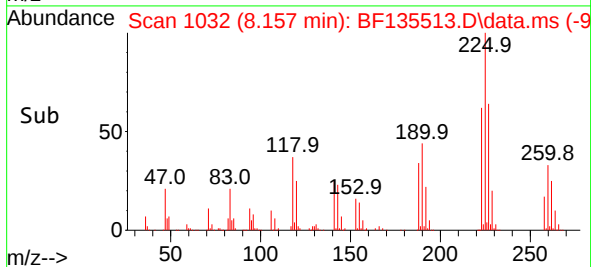
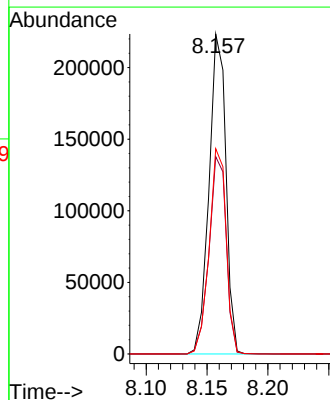
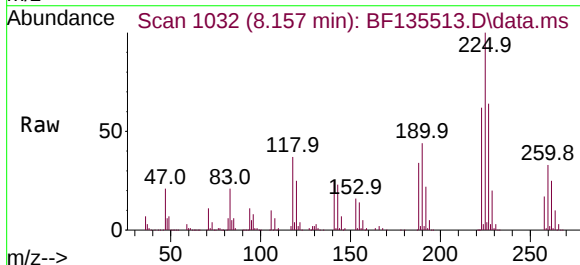
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

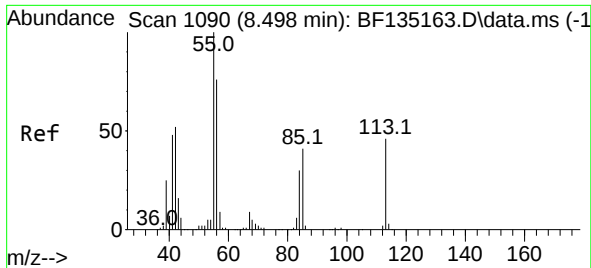
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 440270 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 25.8  | 38.8   |
| 65       | 35.1  | 26.6  | 39.8   |
| 92       | 18.9  | 15.4  | 23.2   |



#34  
Hexachlorobutadiene  
Concen: 39.378 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 215965 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.7  | 50.6  | 75.8   |
| 227      | 64.2  | 50.8  | 76.2   |

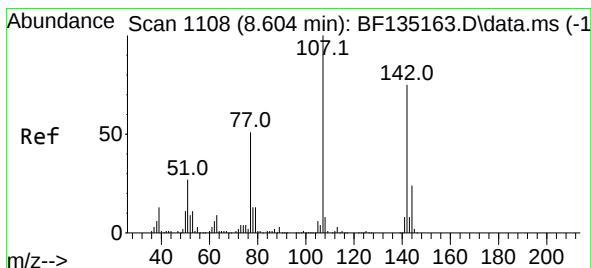
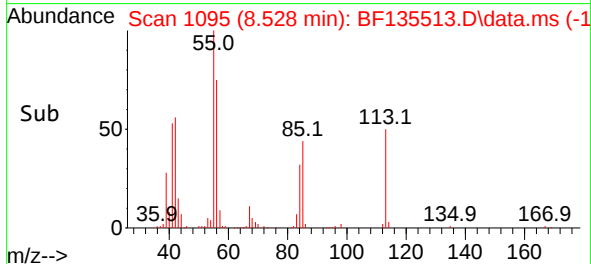
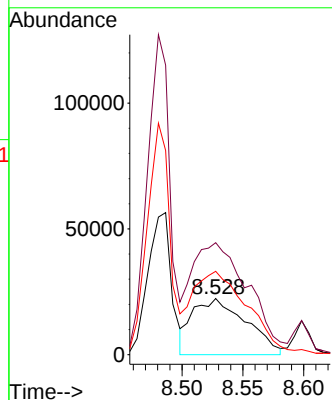
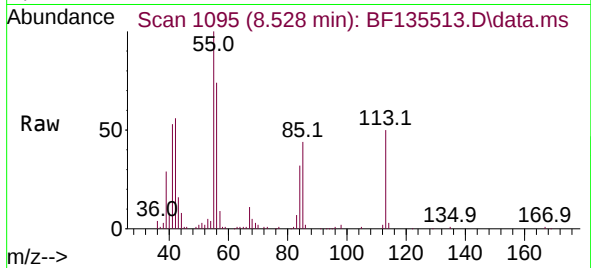




#35  
Caprolactam  
Concen: 23.416 ng  
RT: 8.528 min Scan# 1095  
Delta R.T. 0.035 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

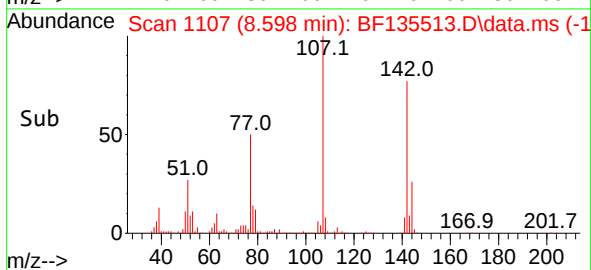
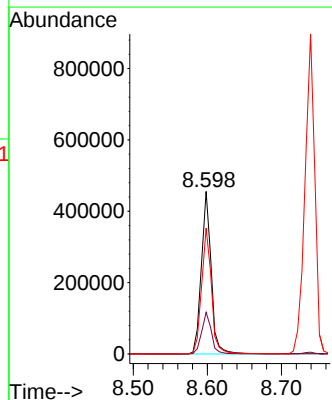
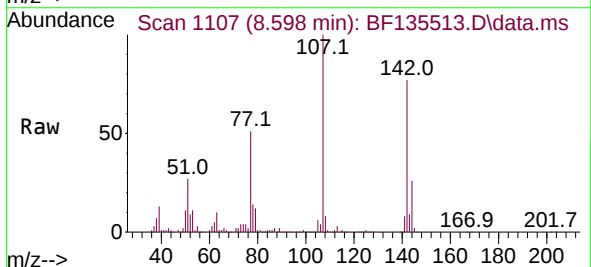
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

Tgt Ion:113 Resp: 68388  
Ion Ratio Lower Upper  
113 100  
55 199.4 199.3 239.3  
56 148.4 146.3 186.3



#36  
4-Chloro-3-methylphenol  
Concen: 43.512 ng  
RT: 8.598 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:107 Resp: 420826  
Ion Ratio Lower Upper  
107 100  
144 25.6 19.0 28.4  
142 77.4 60.2 90.2

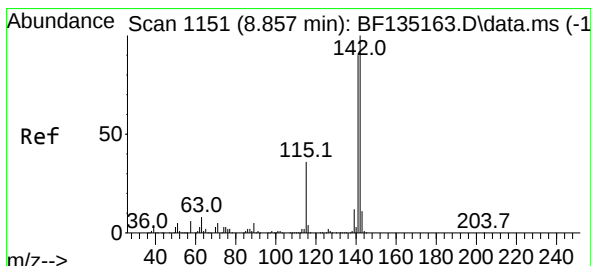
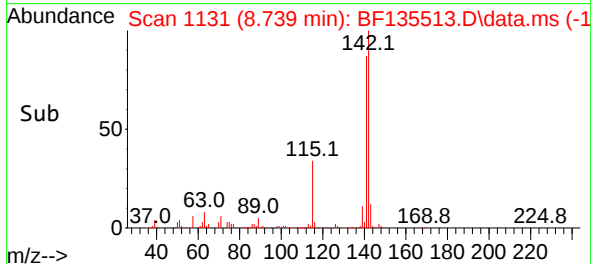
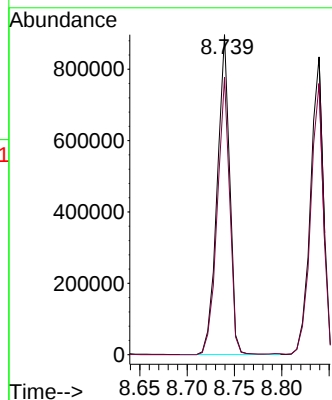
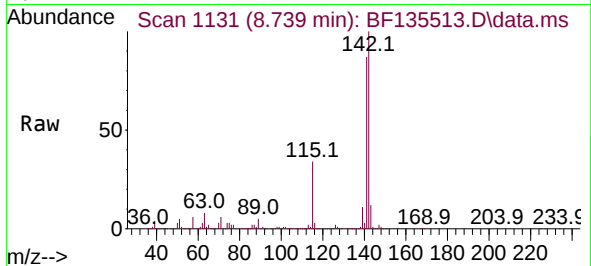




#37  
2-Methylnaphthalene  
Concen: 39.524 ng  
RT: 8.739 min Scan# 1134  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

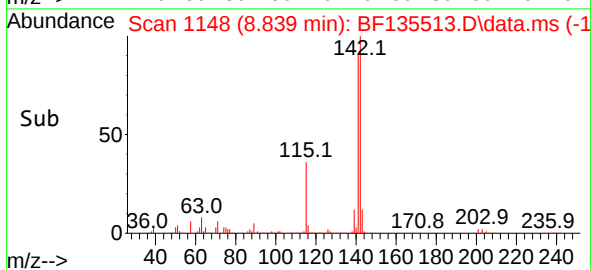
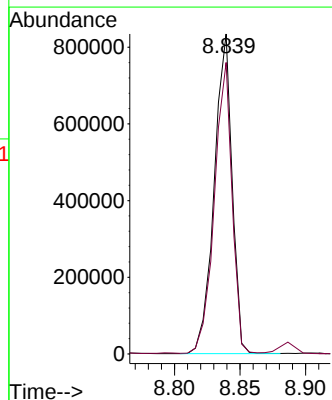
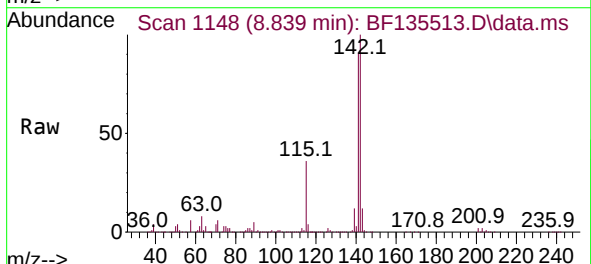
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

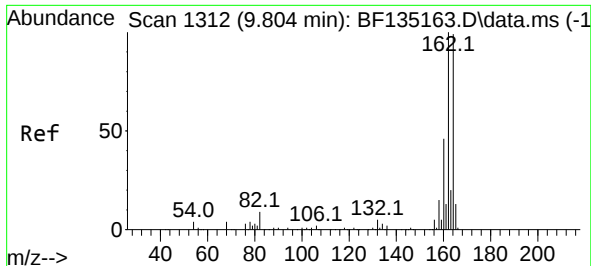
Tgt Ion:142 Resp: 825985  
Ion Ratio Lower Upper  
142 100  
141 86.7 71.0 106.6



#38  
1-Methylnaphthalene  
Concen: 40.409 ng  
RT: 8.839 min Scan# 1148  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:142 Resp: 790631  
Ion Ratio Lower Upper  
142 100  
141 91.1 72.4 108.6

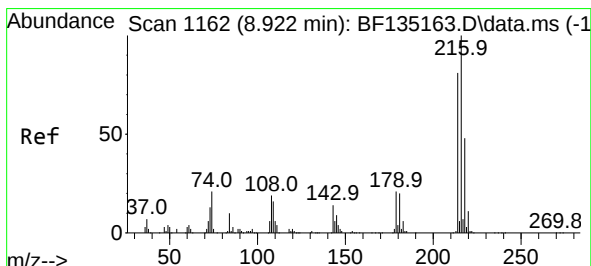
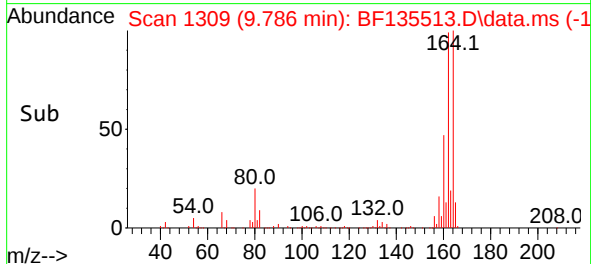
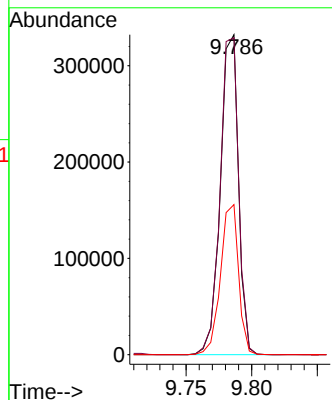
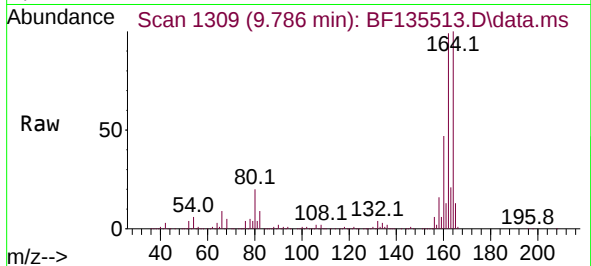




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.786 min Scan# 1159  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

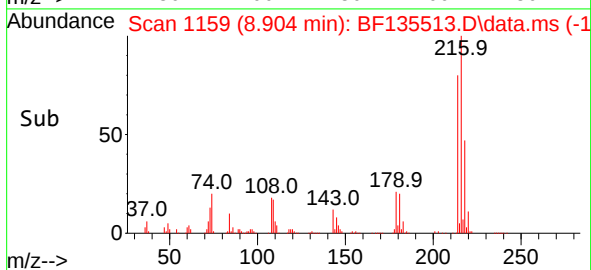
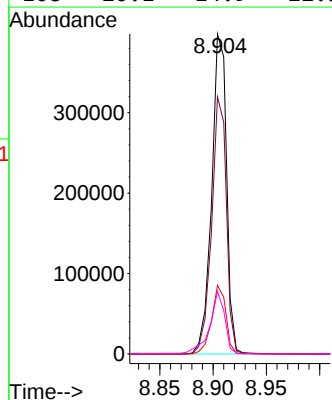
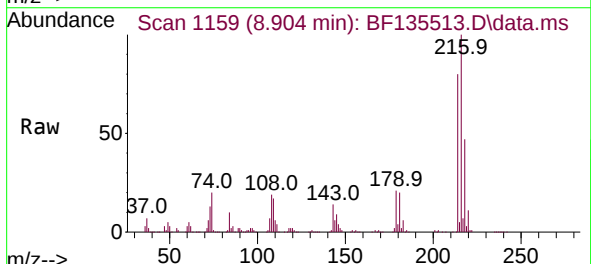
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

Tgt Ion:164 Resp: 318053  
Ion Ratio Lower Upper  
164 100  
162 99.0 81.0 121.4  
160 46.9 37.0 55.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.888 ng  
RT: 8.904 min Scan# 1159  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:216 Resp: 385972  
Ion Ratio Lower Upper  
216 100  
214 79.5 63.7 95.5  
179 20.5 16.7 25.1  
108 20.1 14.9 22.3

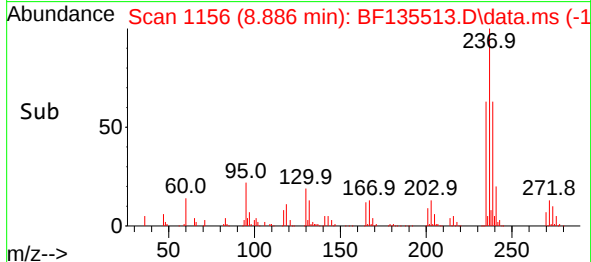
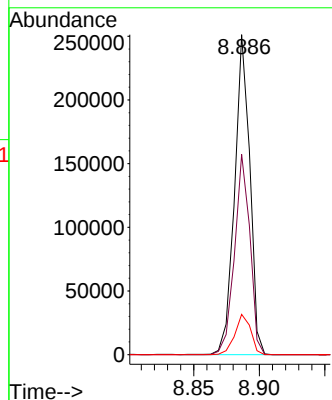
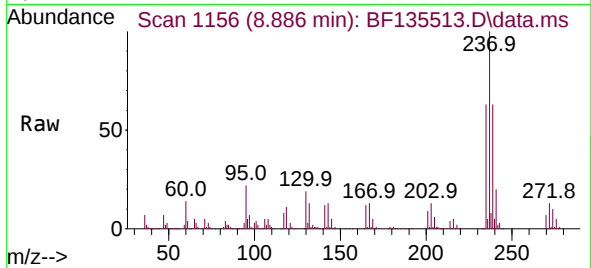




#41  
Hexachlorocyclopentadiene  
Concen: 52.849 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

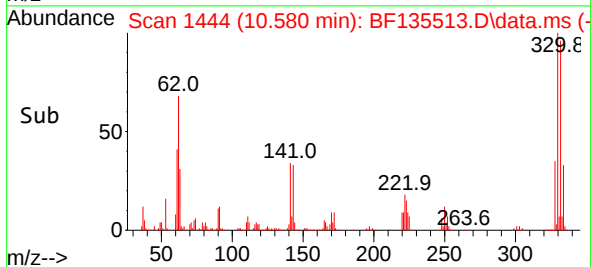
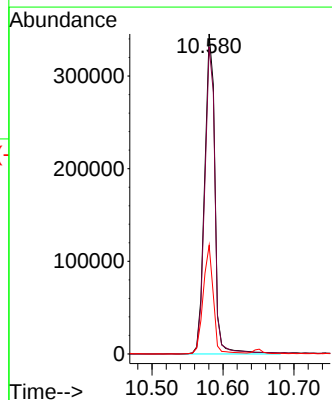
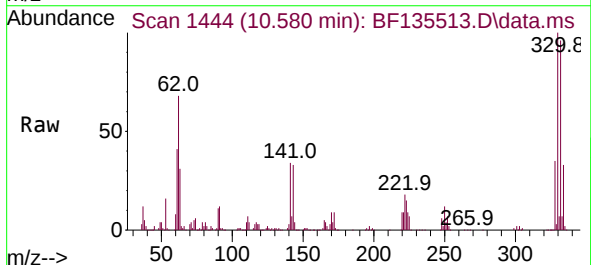
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

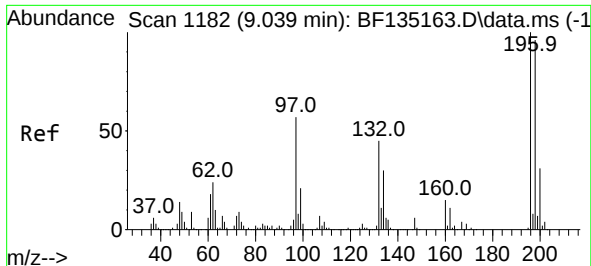
Tgt Ion:237 Resp: 203360  
Ion Ratio Lower Upper  
237 100  
235 62.6 41.8 81.8  
272 12.6 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 110.825 ng  
RT: 10.580 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:330 Resp: 350282  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.3 115.9  
141 33.5 25.8 38.8

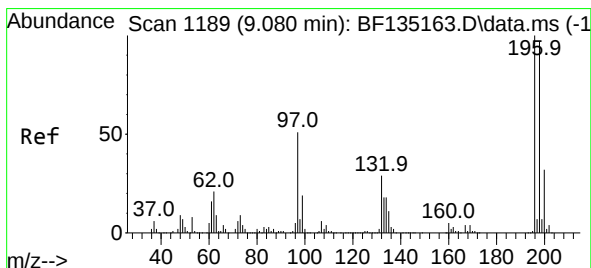
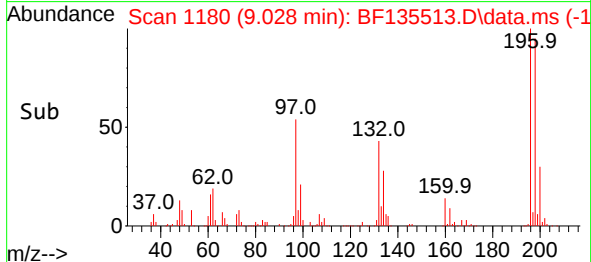
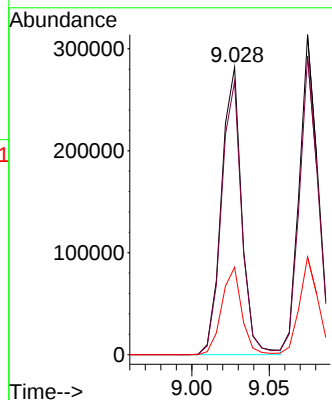
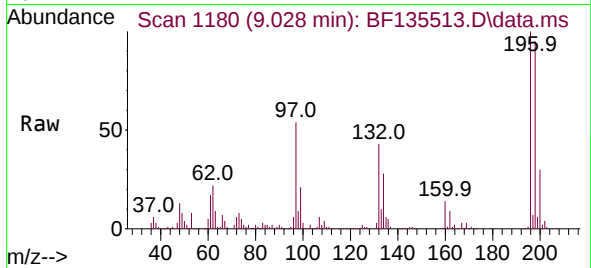




#43  
2,4,6-Trichlorophenol  
Concen: 42.537 ng  
RT: 9.028 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

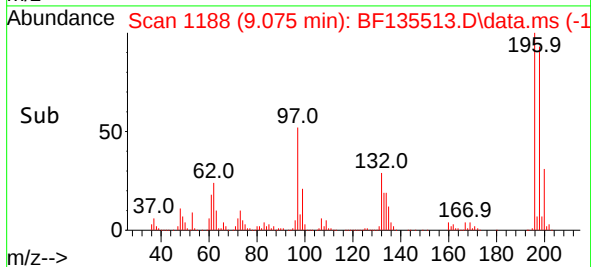
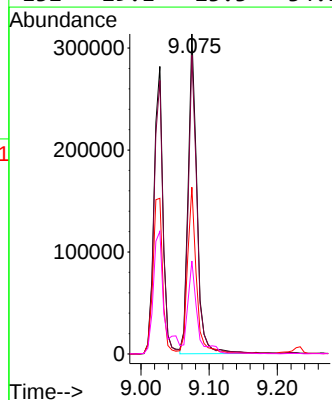
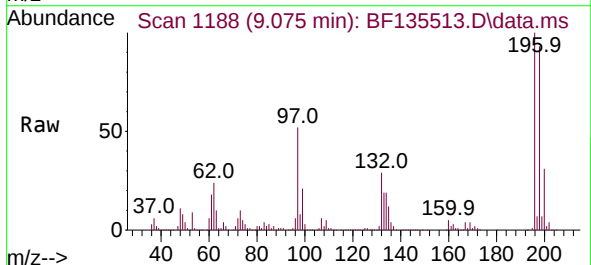
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

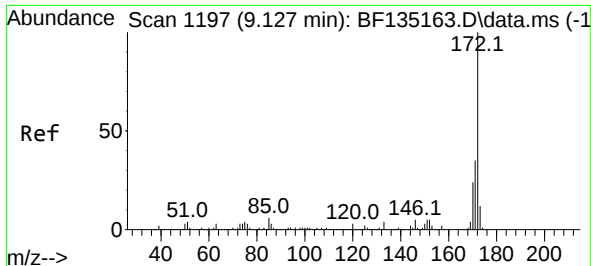
Tgt Ion:196 Resp: 256622  
Ion Ratio Lower Upper  
196 100  
198 95.1 77.0 115.6  
200 30.4 24.5 36.7



#44  
2,4,5-Trichlorophenol  
Concen: 39.988 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:196 Resp: 277820  
Ion Ratio Lower Upper  
196 100  
198 93.4 77.5 116.3  
97 52.1 40.5 60.7  
132 29.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 77.778 ng

RT: 9.104 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

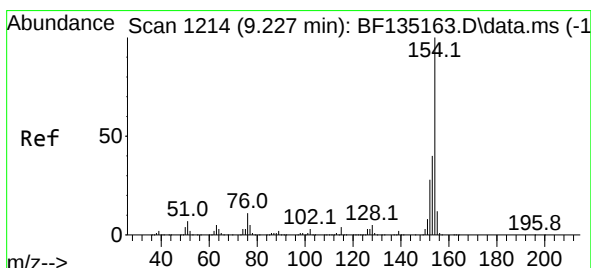
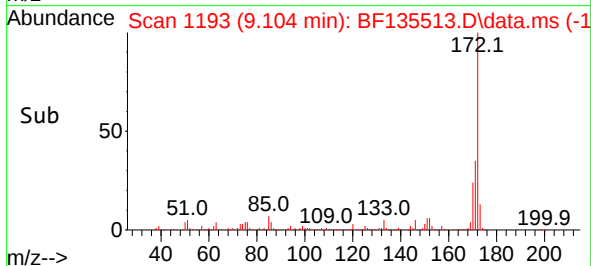
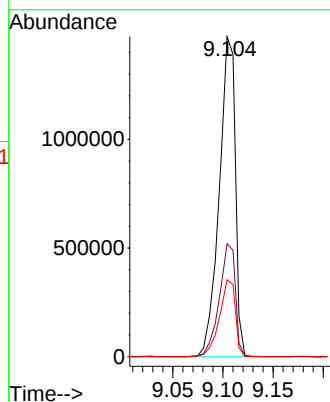
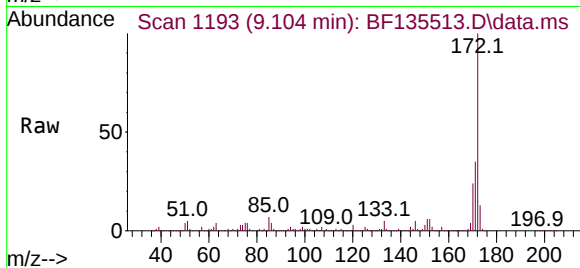
Tgt Ion:172 Resp: 1639631

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 24.0 19.0 28.4



#46

1,1'-Biphenyl

Concen: 41.861 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

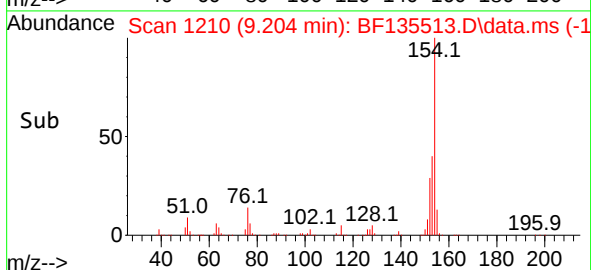
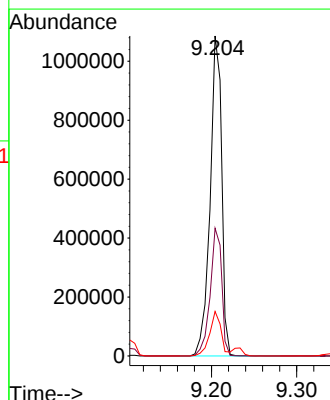
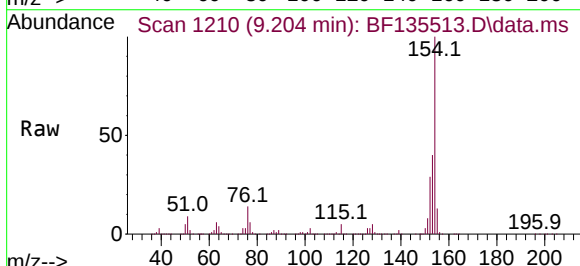
Tgt Ion:154 Resp: 1023159

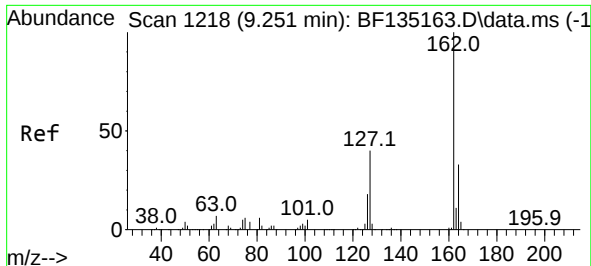
Ion Ratio Lower Upper

154 100

153 39.9 19.6 59.6

76 13.9 0.0 31.0





#47

2-Chloronaphthalene

Concen: 43.655 ng

RT: 9.233 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

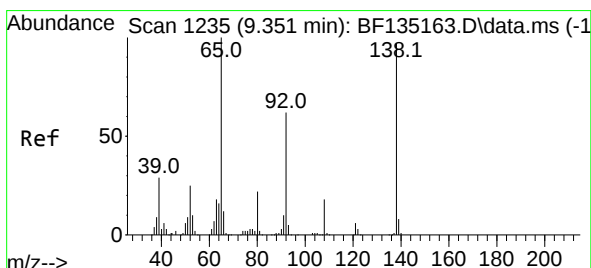
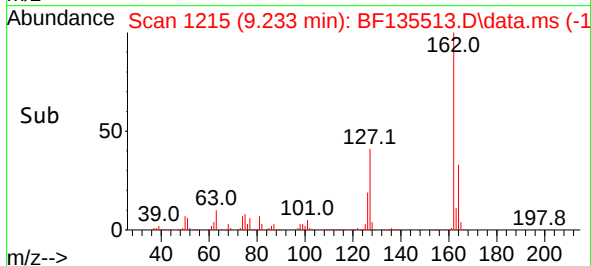
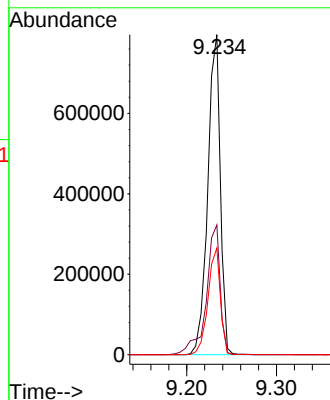
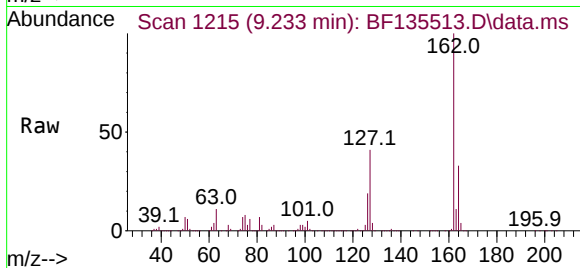
Tgt Ion:162 Resp: 774175

Ion Ratio Lower Upper

162 100

127 40.6 32.6 48.8

164 33.3 26.2 39.2



#48

2-Nitroaniline

Concen: 46.058 ng

RT: 9.339 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

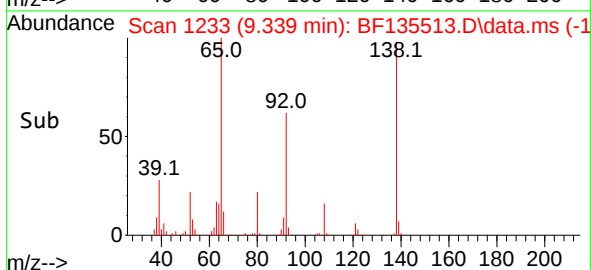
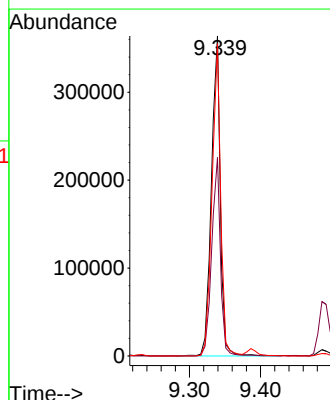
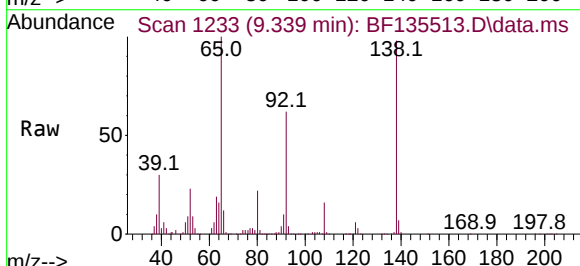
Tgt Ion: 65 Resp: 317320

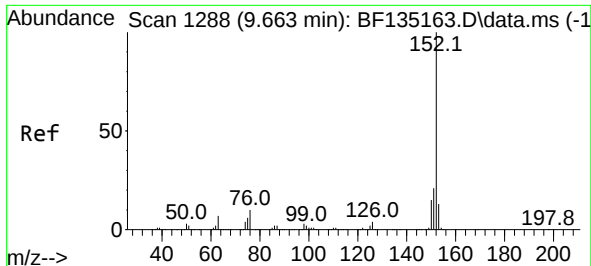
Ion Ratio Lower Upper

65 100

92 62.0 49.4 74.0

138 97.6 77.4 116.0





#49

Acenaphthylene

Concen: 42.135 ng

RT: 9.645 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

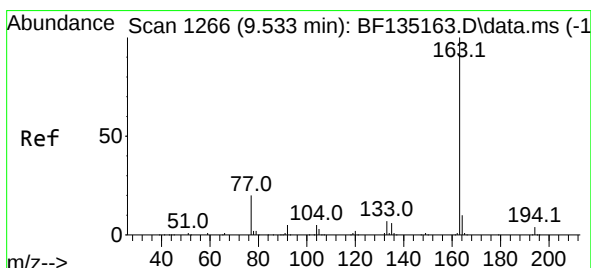
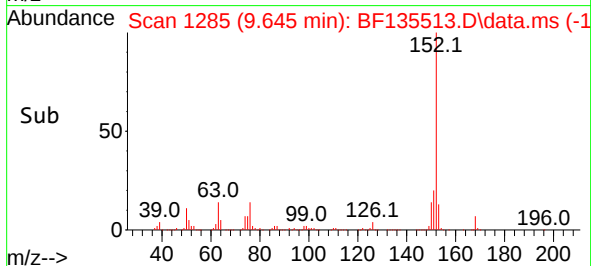
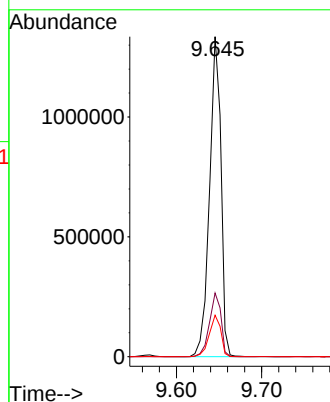
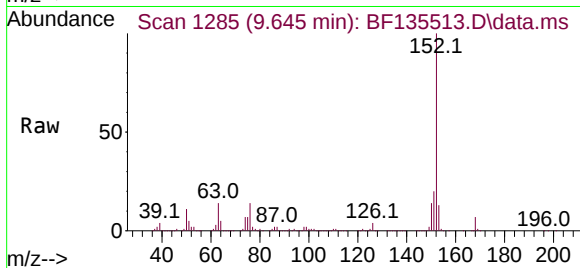
Tgt Ion:152 Resp: 1241820

Ion Ratio Lower Upper

152 100

151 19.9 16.4 24.6

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 43.065 ng

RT: 9.516 min Scan# 1263

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

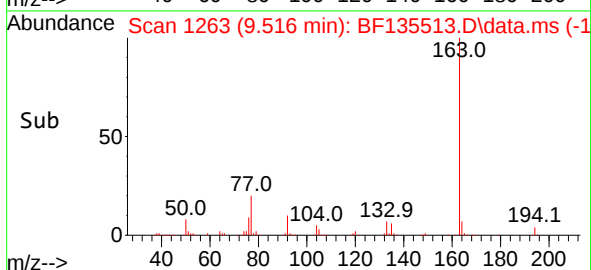
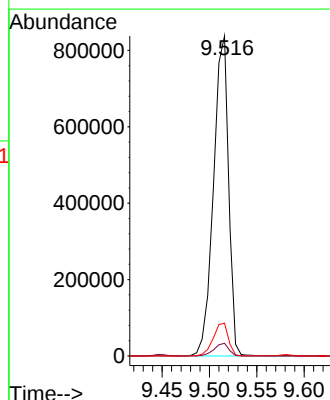
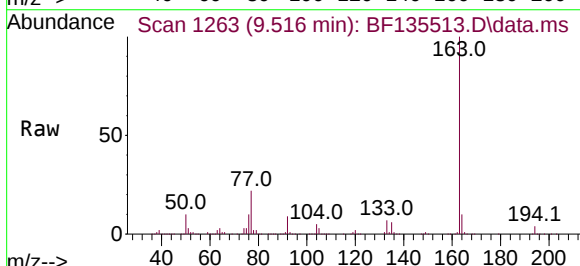
Tgt Ion:163 Resp: 926062

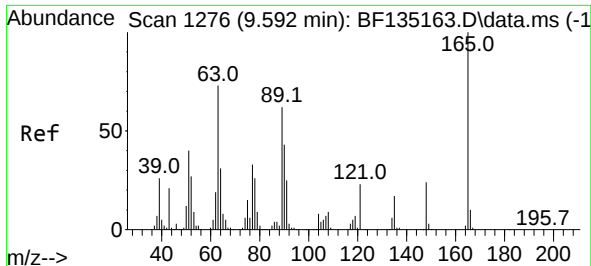
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.1 12.1

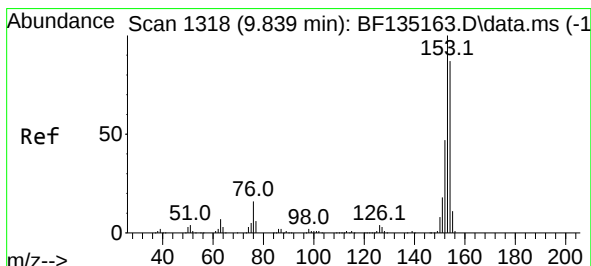
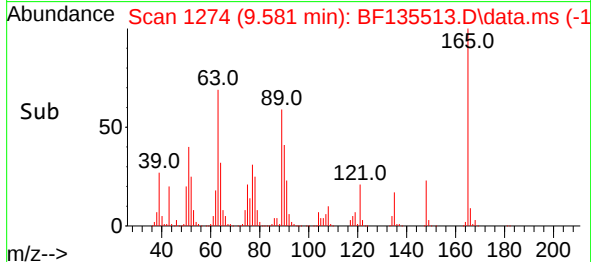
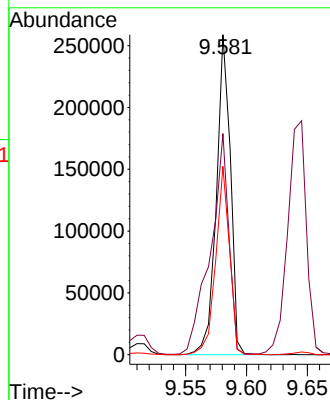
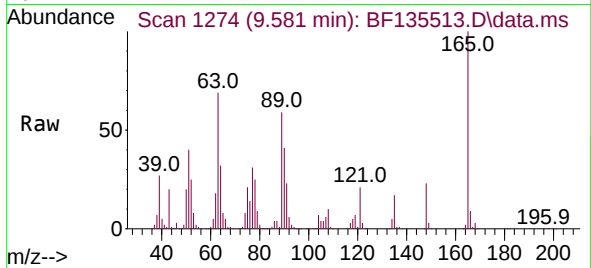




#51  
2,6-Dinitrotoluene  
Concen: 43.866 ng  
RT: 9.581 min Scan# 1314  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

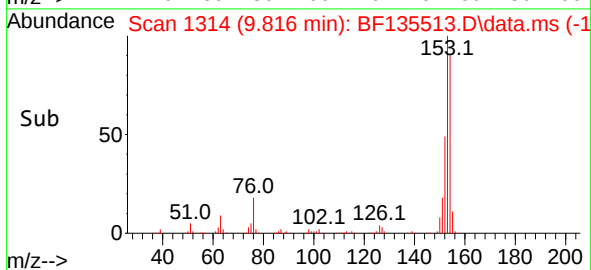
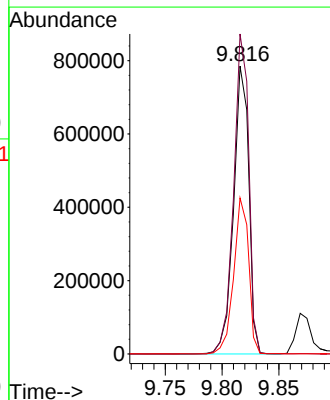
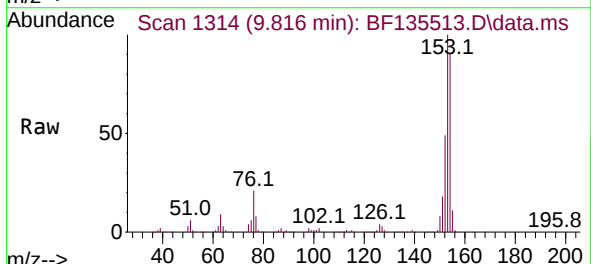
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

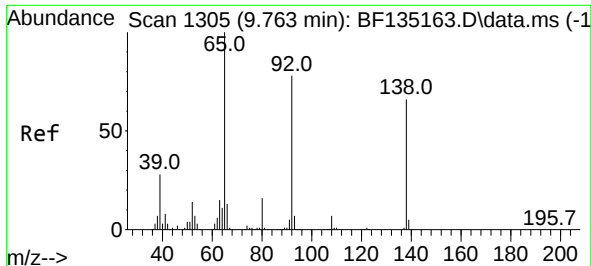
Tgt Ion:165 Resp: 206640  
Ion Ratio Lower Upper  
165 100  
63 69.1 59.4 89.2  
89 58.8 49.8 74.8



#52  
Acenaphthene  
Concen: 41.980 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:154 Resp: 730907  
Ion Ratio Lower Upper  
154 100  
153 111.2 92.1 138.1  
152 54.2 43.1 64.7

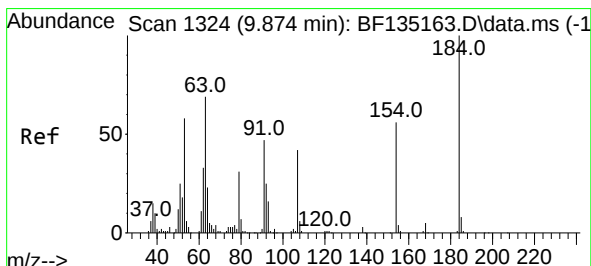
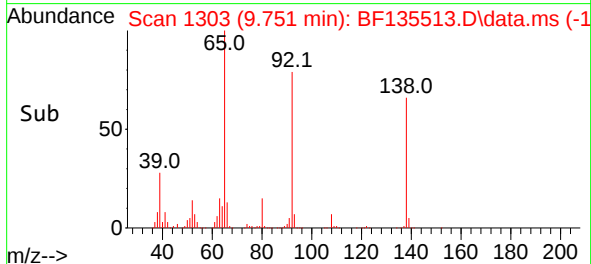
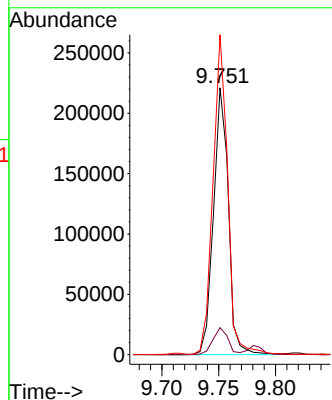
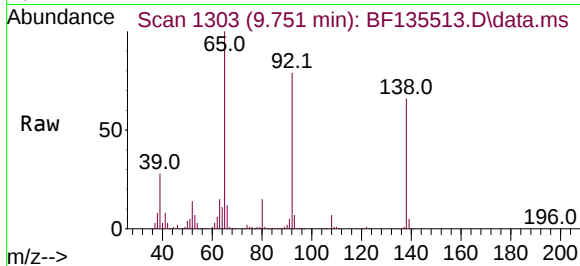




#53  
3-Nitroaniline  
Concen: 36.388 ng  
RT: 9.751 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

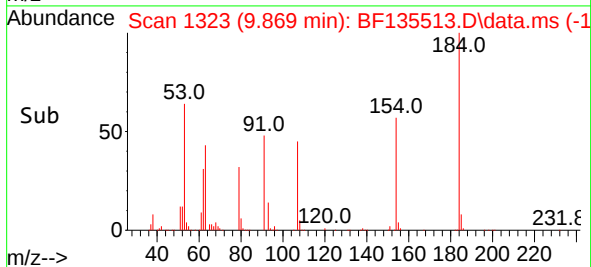
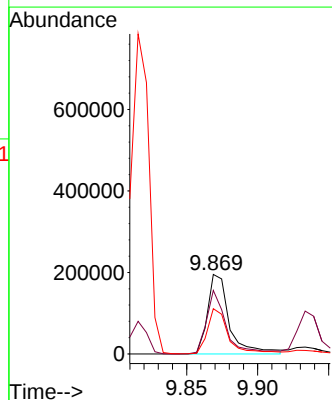
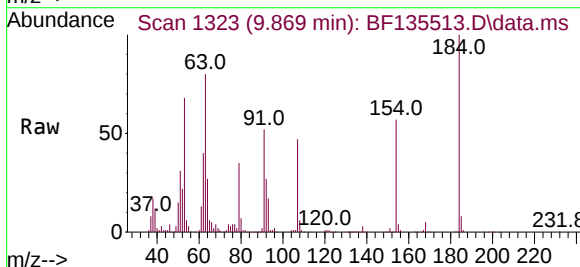
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

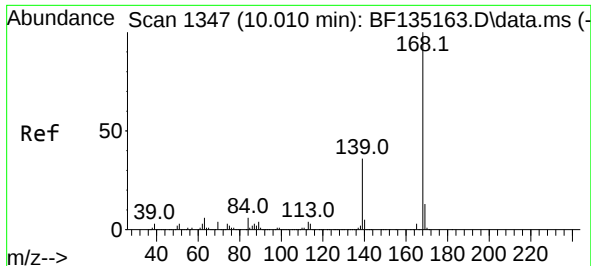
Tgt Ion:138 Resp: 201210  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.5 12.7  
92 119.9 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 78.261 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:184 Resp: 208895  
Ion Ratio Lower Upper  
184 100  
63 79.9 55.1 82.7  
154 56.9 48.4 72.6

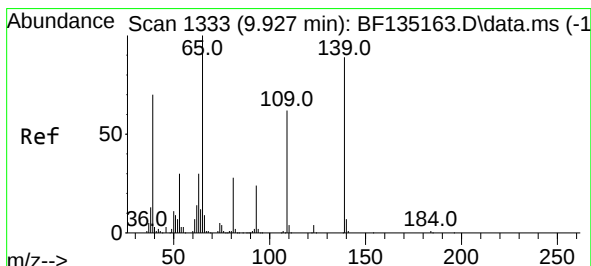
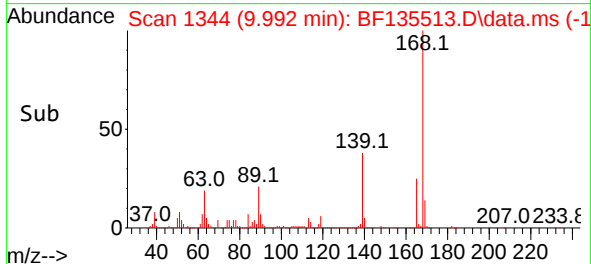
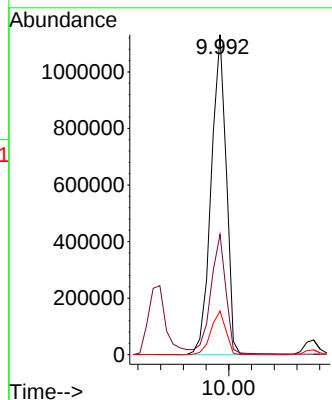
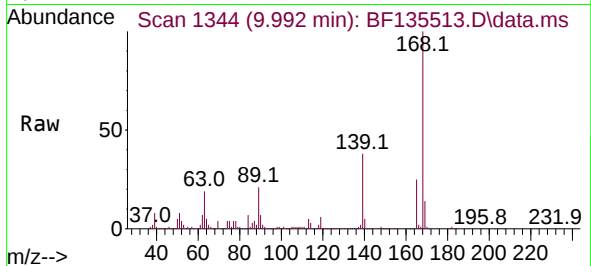




#55  
Dibenzenofuran  
Concen: 38.903 ng  
RT: 9.992 min Scan# 1344  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

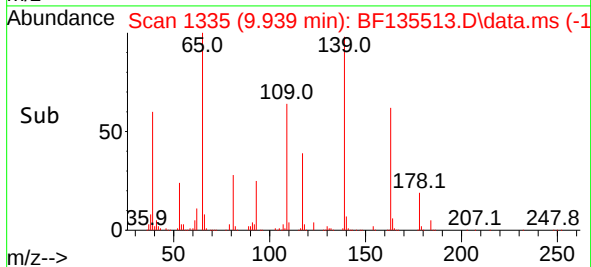
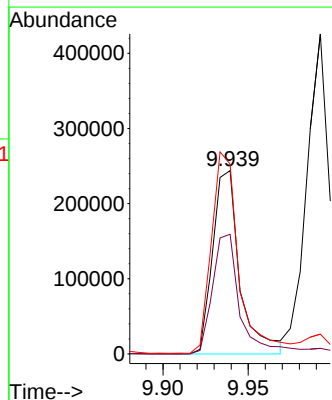
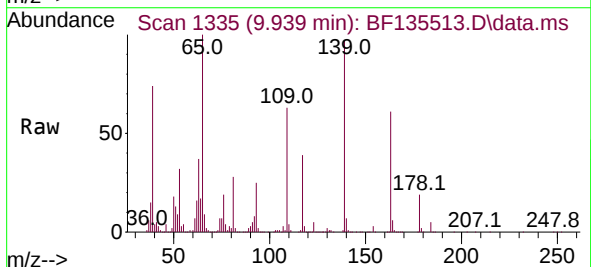
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

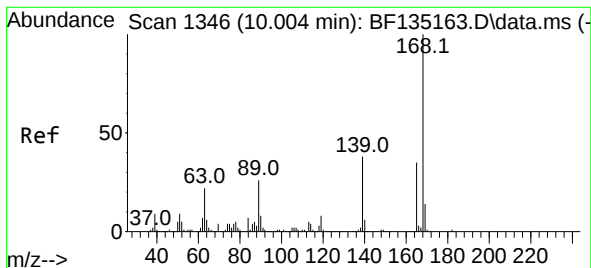
Tgt Ion:168 Resp: 1033604  
Ion Ratio Lower Upper  
168 100  
139 37.6 29.0 43.6  
169 13.6 10.4 15.6



#56  
4-Nitrophenol  
Concen: 77.126 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:139 Resp: 271049  
Ion Ratio Lower Upper  
139 100  
109 65.3 49.8 89.8  
65 103.6 92.7 132.7

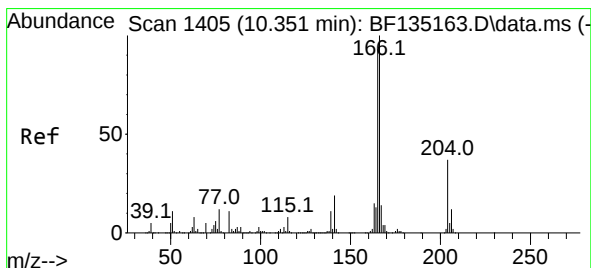
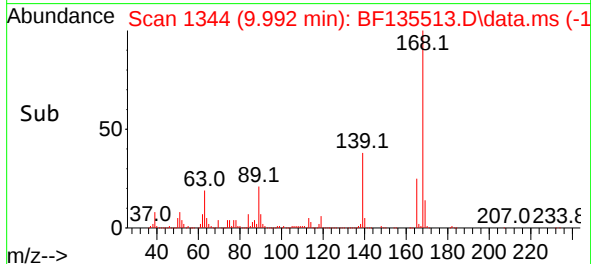
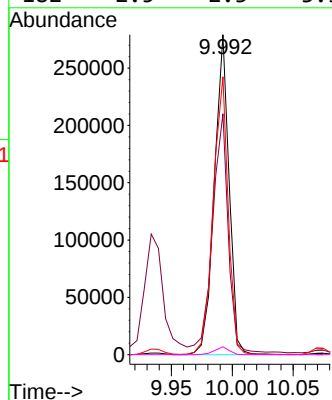
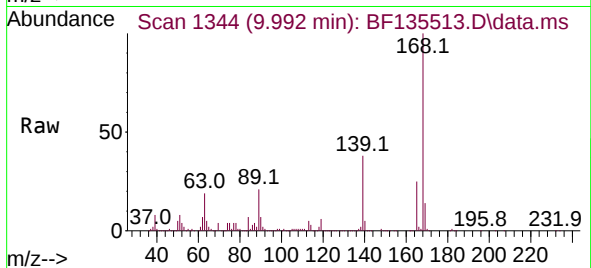




#57  
2,4-Dinitrotoluene  
Concen: 39.915 ng  
RT: 9.992 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

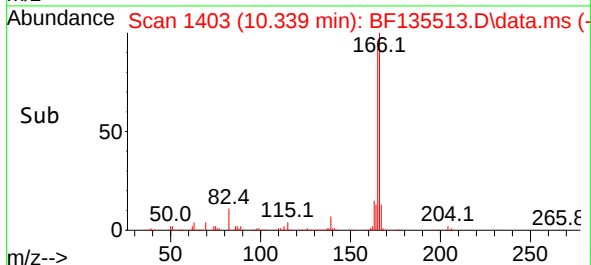
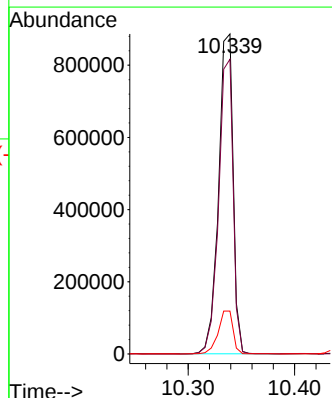
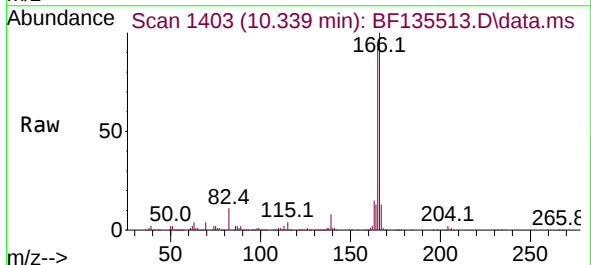
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

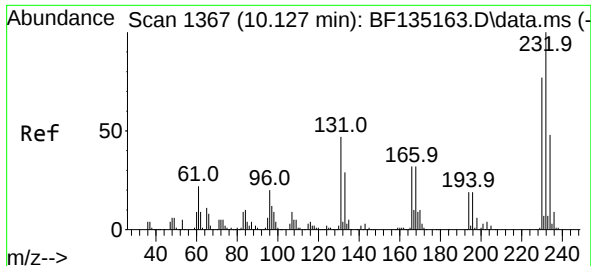
Tgt Ion:165 Resp: 235395  
Ion Ratio Lower Upper  
165 100  
63 75.3 50.1 75.1#  
89 86.9 59.3 88.9  
182 2.5 2.3 3.5



#58  
Fluorene  
Concen: 41.254 ng  
RT: 10.339 min Scan# 1403  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:166 Resp: 842616  
Ion Ratio Lower Upper  
166 100  
165 92.1 74.3 111.5  
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.776 ng

RT: 10.116 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

Tgt Ion:232 Resp: 228614

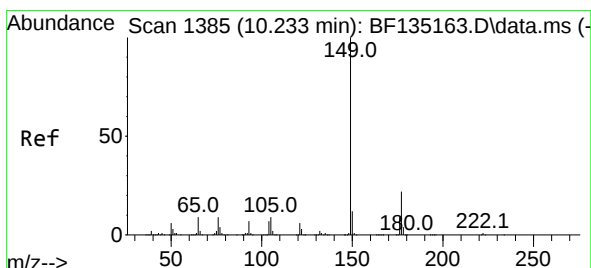
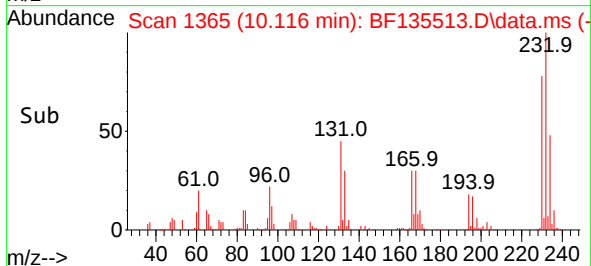
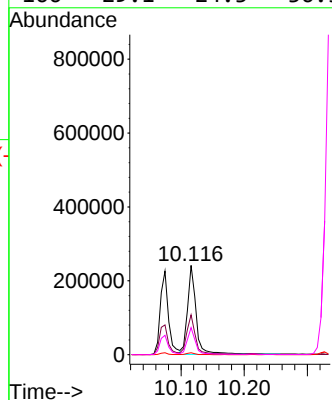
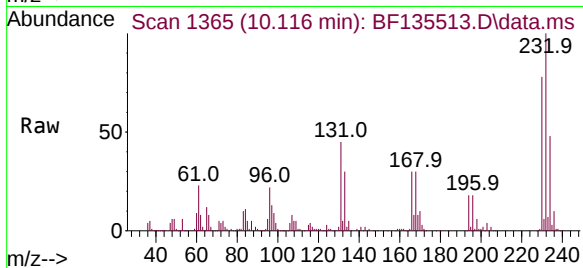
Ion Ratio Lower Upper

232 100

131 44.4 35.4 53.2

130 2.2 1.8 2.8

166 29.1 24.3 36.5



#60

Diethylphthalate

Concen: 43.002 ng

RT: 10.216 min Scan# 1382

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

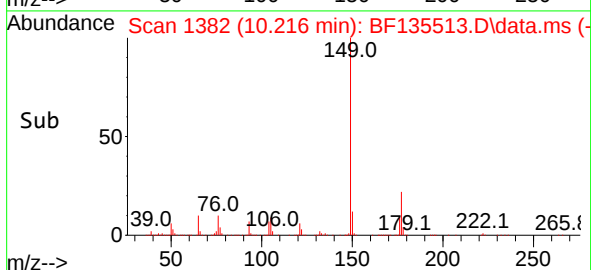
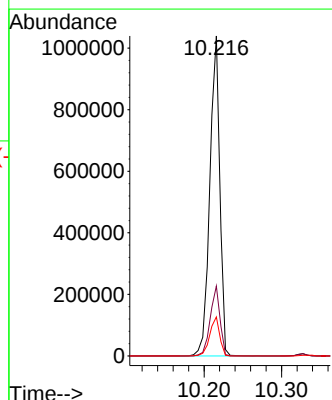
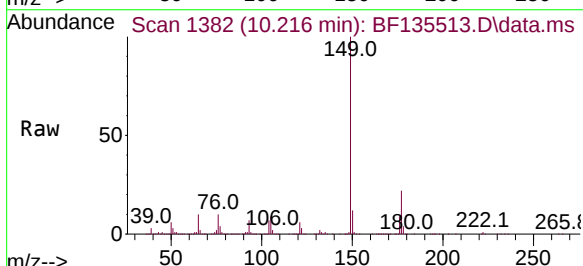
Tgt Ion:149 Resp: 928026

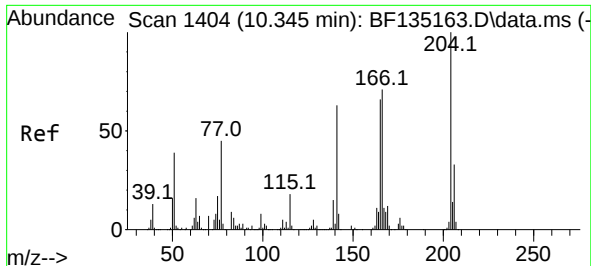
Ion Ratio Lower Upper

149 100

177 21.8 17.8 26.6

150 12.2 10.0 15.0

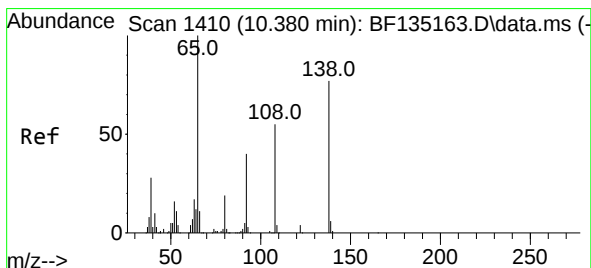
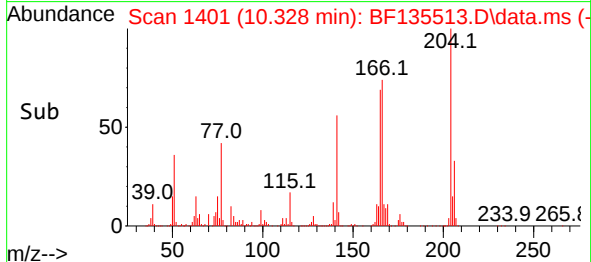
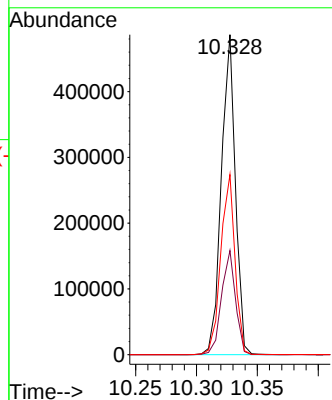
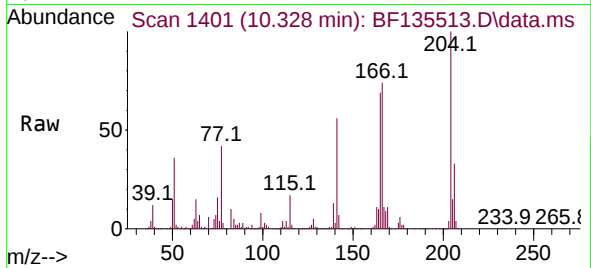




#61  
4-Chlorophenyl-phenylether  
Concen: 39.835 ng  
RT: 10.328 min Scan# 1400  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

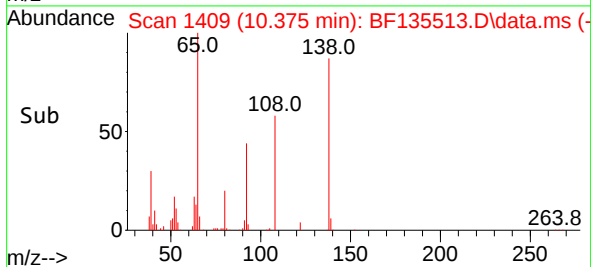
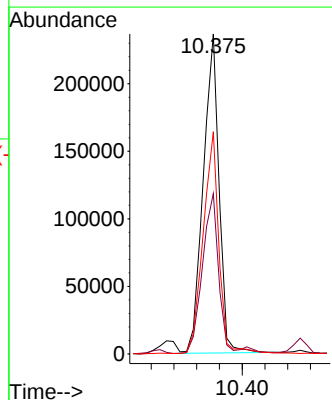
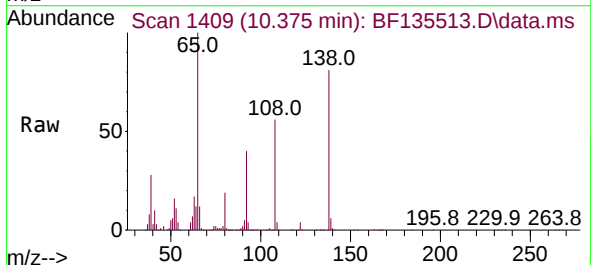
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

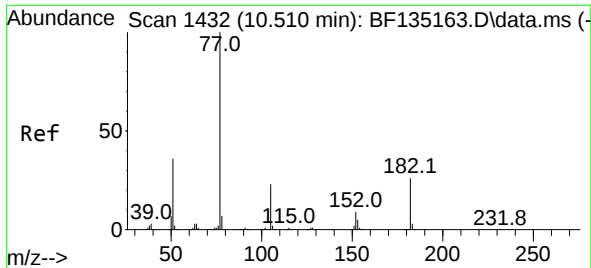
Tgt Ion:204 Resp: 390845  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.7 40.1  
141 56.3 50.6 75.8



#62  
4-Nitroaniline  
Concen: 42.803 ng  
RT: 10.375 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:138 Resp: 227509  
Ion Ratio Lower Upper  
138 100  
92 50.1 31.8 71.8  
108 69.5 52.0 92.0

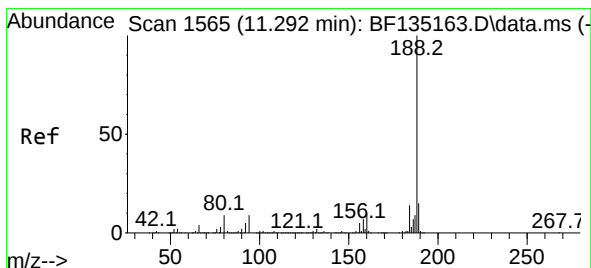
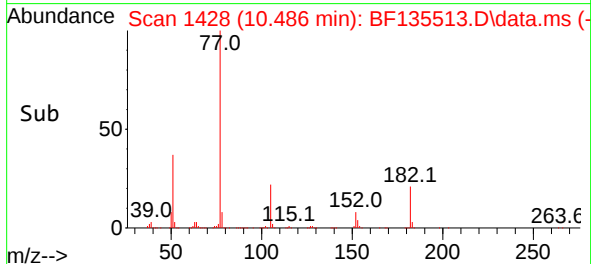
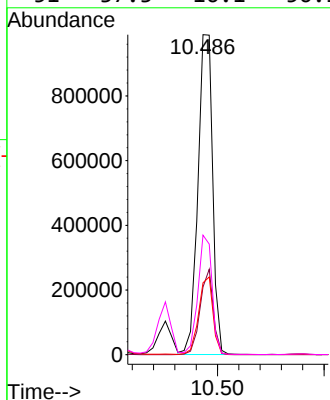
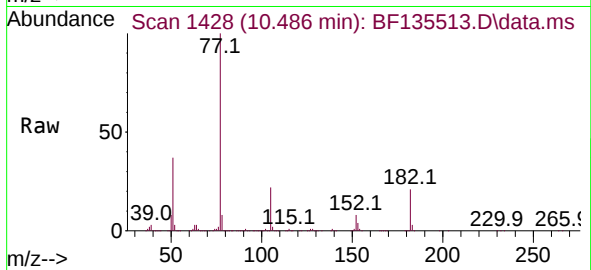




#63  
Azobenzene  
Concen: 45.218 ng  
RT: 10.486 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

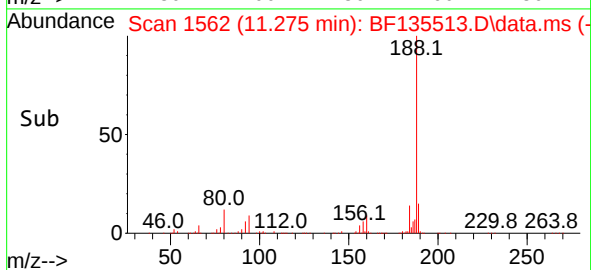
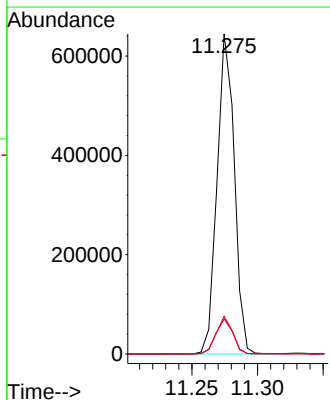
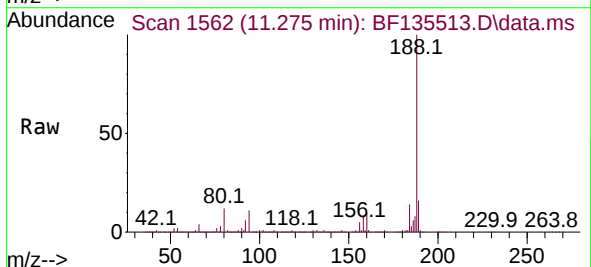
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

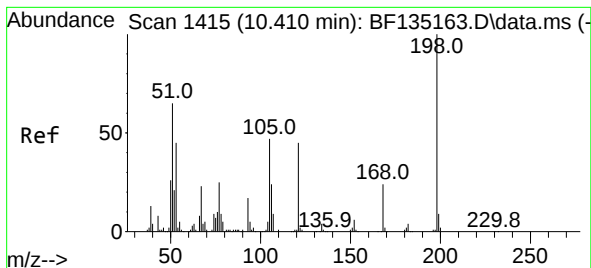
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 955041 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 21.2    | 6.4 46.4     |
| 105 22.5    | 3.1 43.1     |
| 51 37.3     | 16.1 56.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.275 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:188 | Resp: 588814 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 188 100     |              |       |  |
| 94 11.0     | 7.0          | 10.6# |  |
| 80 11.8     | 7.5          | 11.3# |  |

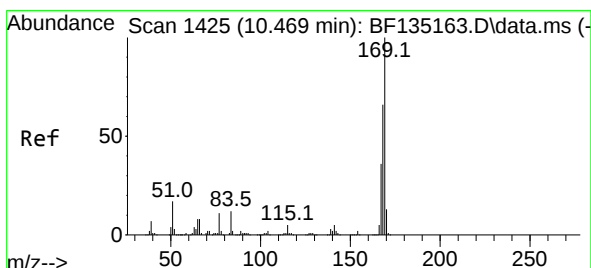
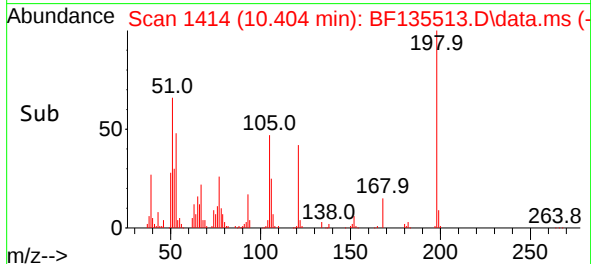
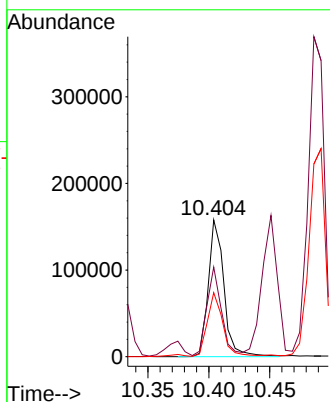
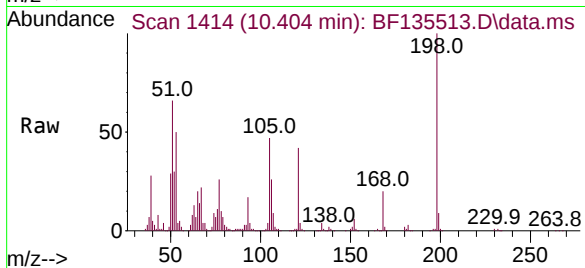




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.067 ng  
RT: 10.404 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

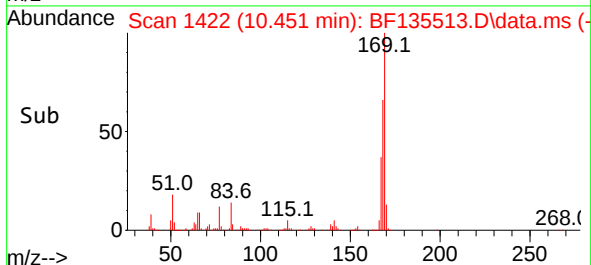
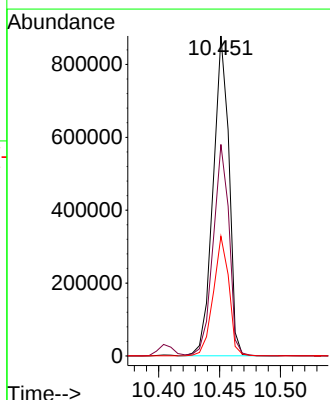
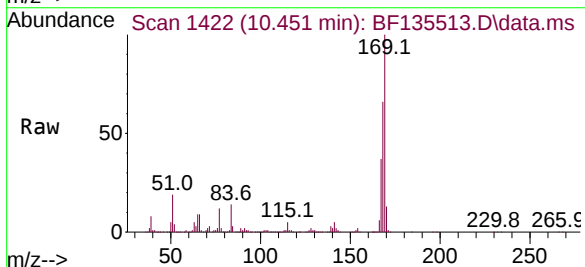
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

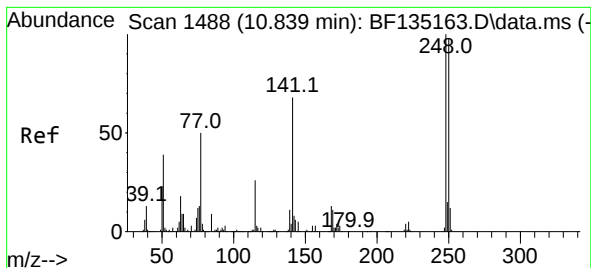
Tgt Ion:198 Resp: 140940  
Ion Ratio Lower Upper  
198 100  
51 65.5 47.7 87.7  
105 46.8 27.4 67.4



#66  
n-Nitrosodiphenylamine  
Concen: 44.440 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:169 Resp: 792190  
Ion Ratio Lower Upper  
169 100  
168 66.1 52.8 79.2  
167 37.4 29.0 43.6

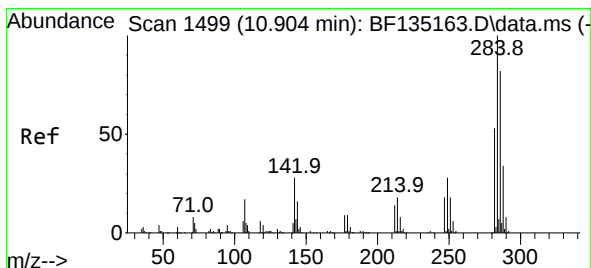
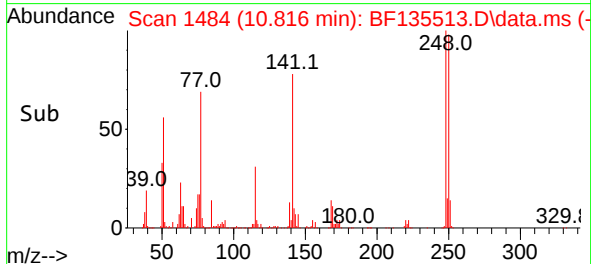
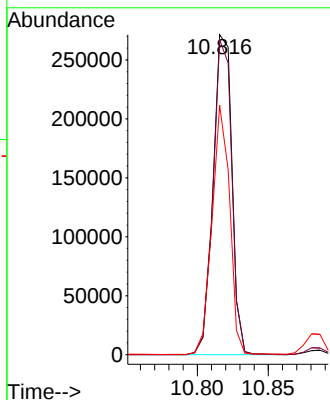
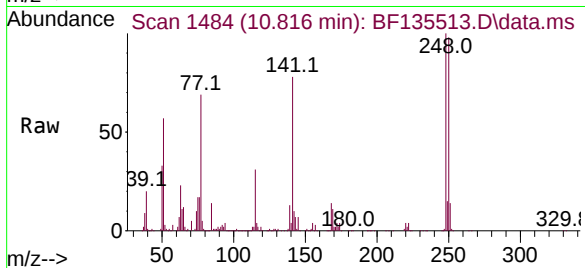




#67  
4-Bromophenyl-phenylether  
Concen: 42.809 ng  
RT: 10.816 min Scan# 1484  
Delta R.T. -0.006 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

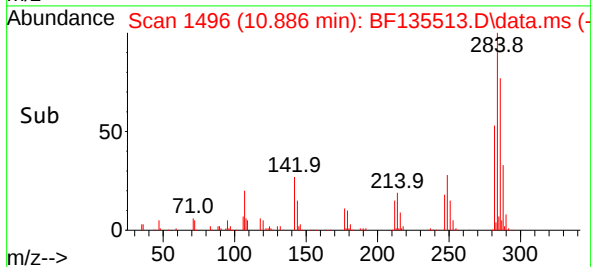
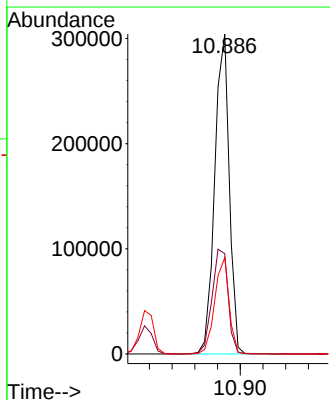
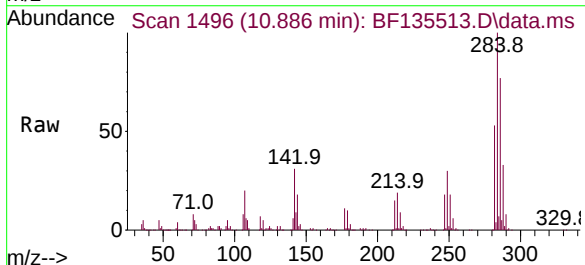
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

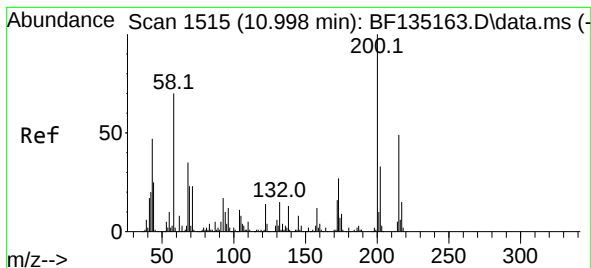
Tgt Ion:248 Resp: 250700  
Ion Ratio Lower Upper  
248 100  
250 98.4 78.6 117.8  
141 78.0 54.2 81.2



#68  
Hexachlorobenzene  
Concen: 45.389 ng  
RT: 10.886 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:284 Resp: 270796  
Ion Ratio Lower Upper  
284 100  
142 31.4 22.2 33.4  
249 30.1 22.5 33.7





#69

Atrazine

Concen: 50.721 ng

RT: 10.986 min Scan# 1513

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

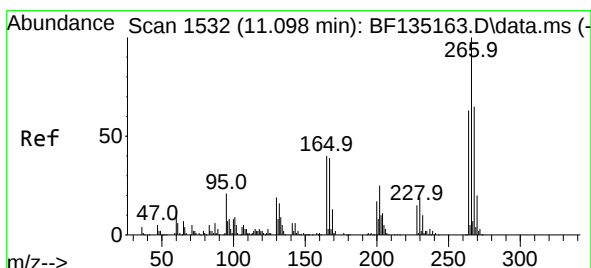
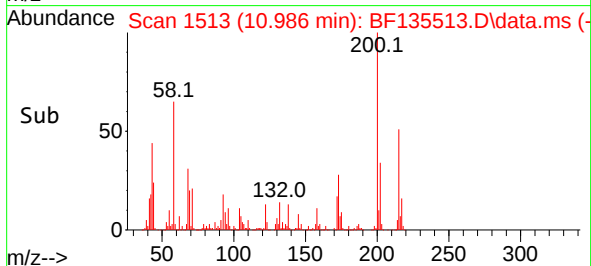
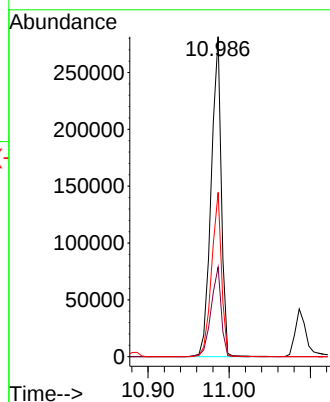
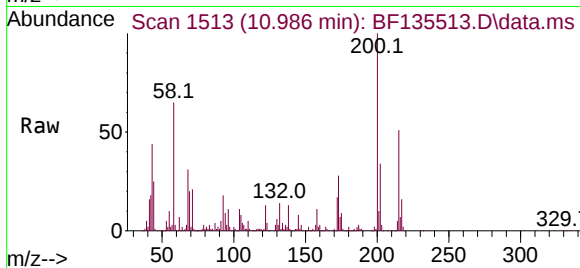
Tgt Ion:200 Resp: 243286

Ion Ratio Lower Upper

200 100

173 28.0 7.4 47.4

215 51.4 28.6 68.6



#70

Pentachlorophenol

Concen: 65.986 ng

RT: 11.086 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

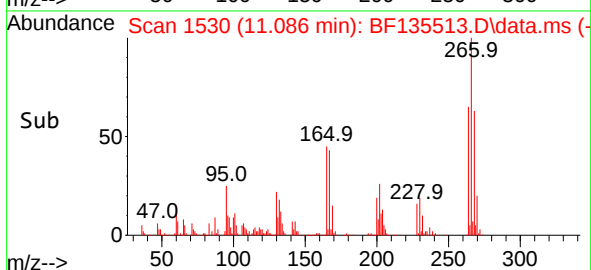
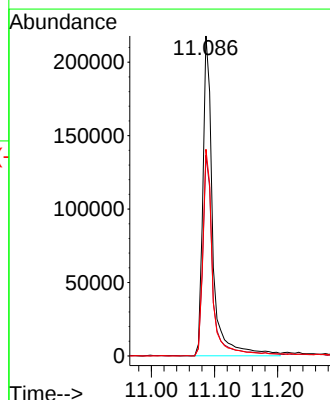
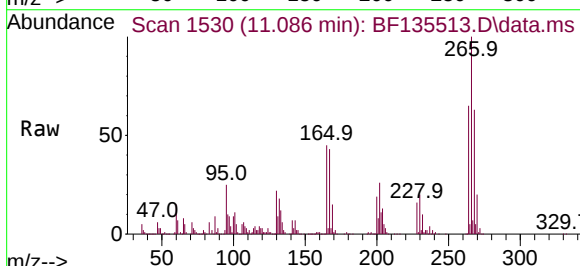
Tgt Ion:266 Resp: 235539

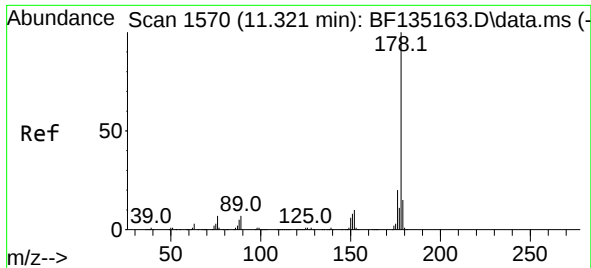
Ion Ratio Lower Upper

266 100

268 62.7 52.1 78.1

264 64.6 50.8 76.2

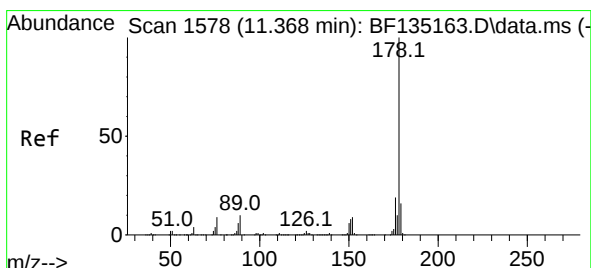
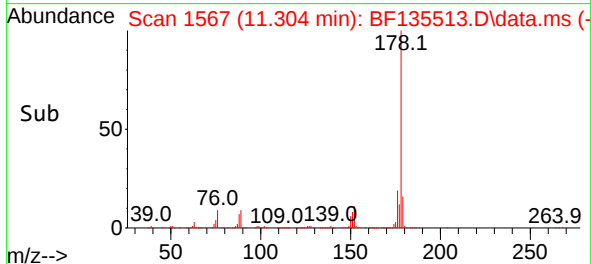
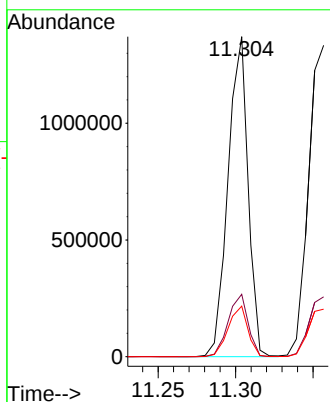
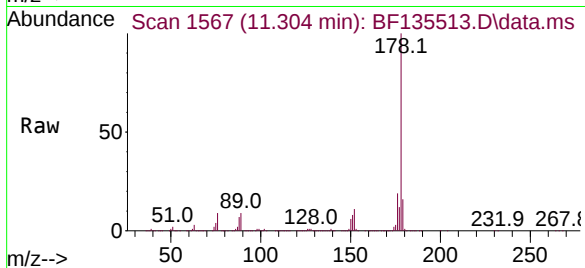




#71  
Phenanthrene  
Concen: 44.256 ng  
RT: 11.304 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

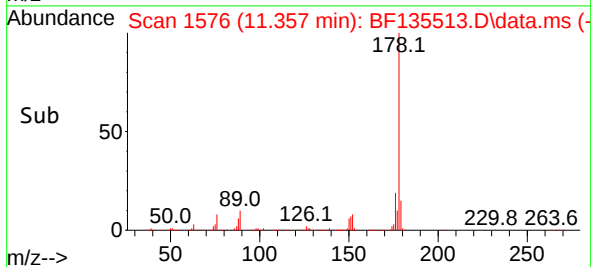
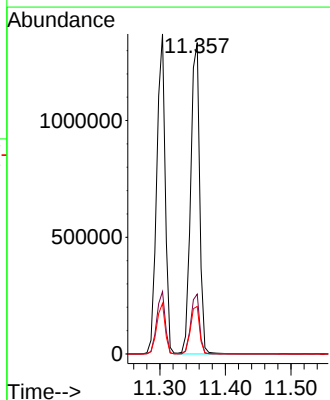
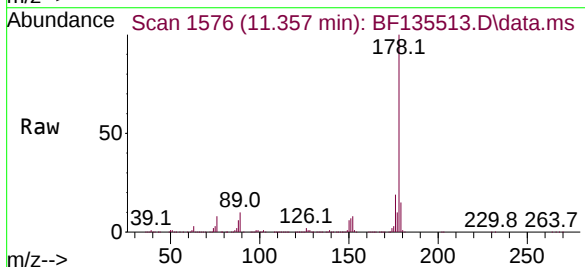
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

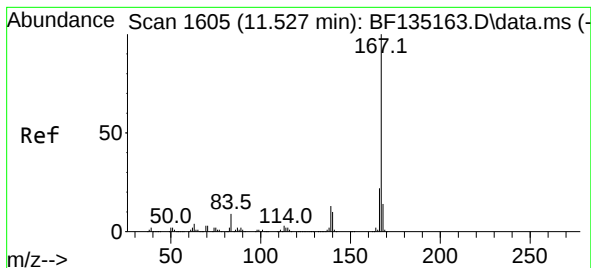
Tgt Ion:178 Resp: 1232463  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.6 23.4  
179 15.8 12.0 18.0



#72  
Anthracene  
Concen: 44.164 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:178 Resp: 1264213  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.2  
179 15.3 12.6 19.0





#73

Carbazole

Concen: 46.252 ng

RT: 11.516 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

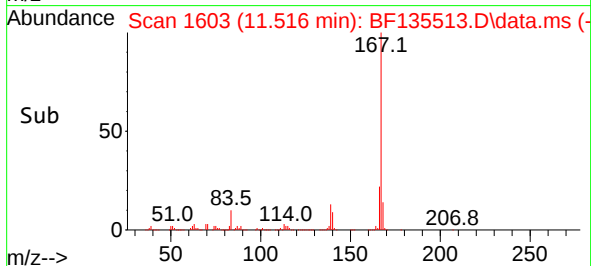
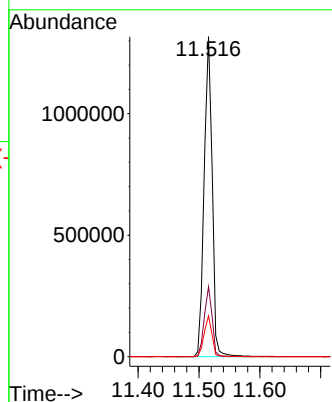
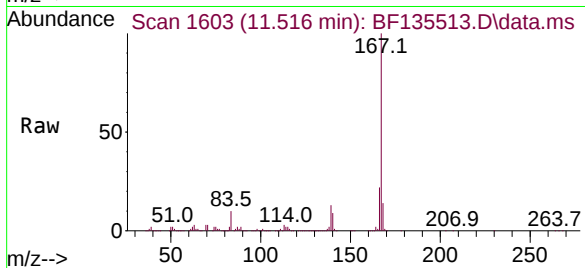
Tgt Ion:167 Resp: 1205244

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

139 12.8 10.6 15.8



#74

Di-n-butylphthalate

Concen: 46.161 ng

RT: 11.845 min Scan# 1659

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

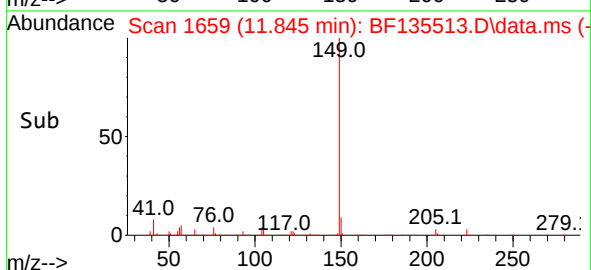
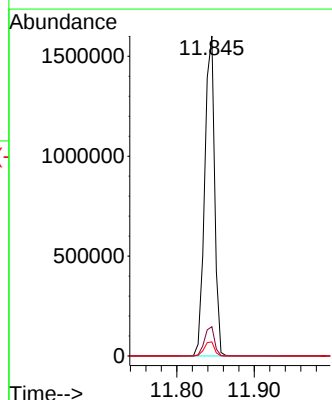
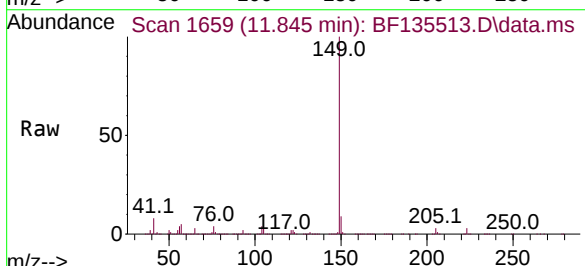
Tgt Ion:149 Resp: 1417395

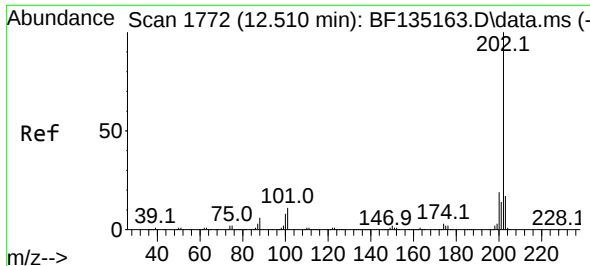
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 4.4 3.6 5.4

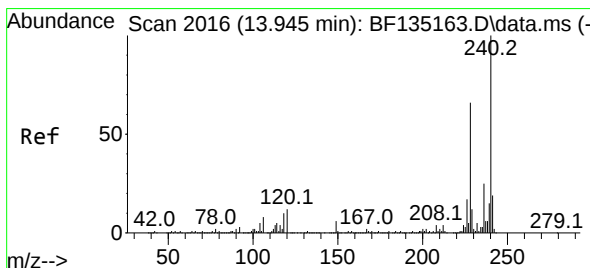
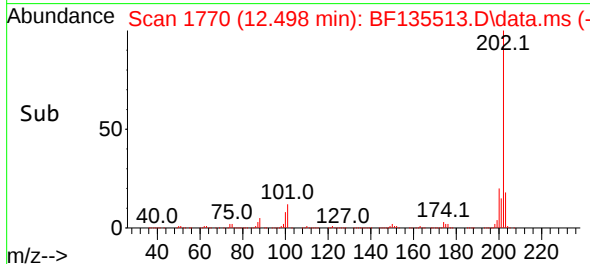
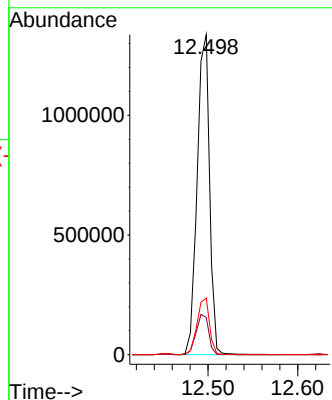
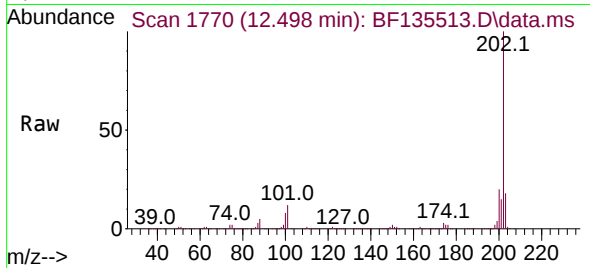




#75  
Fluoranthene  
Concen: 44.188 ng  
RT: 12.498 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

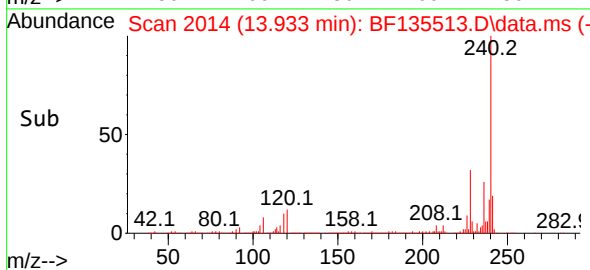
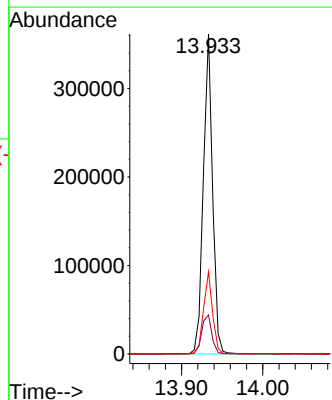
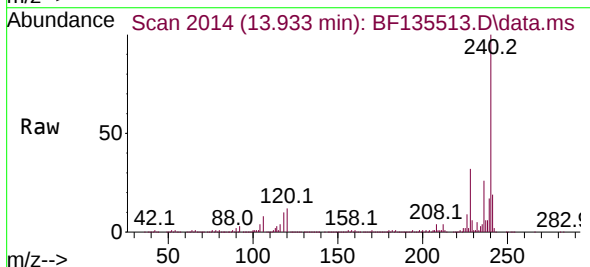
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

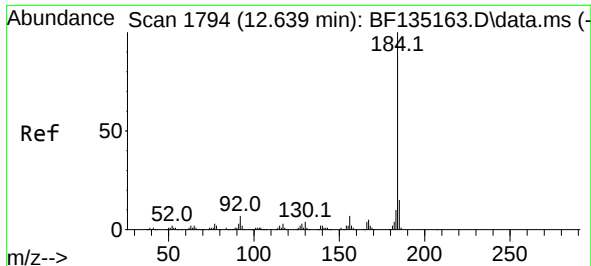
Tgt Ion:202 Resp: 1282237  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 31.3  
203 17.7 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:240 Resp: 285869  
Ion Ratio Lower Upper  
240 100  
120 12.2 9.4 14.2  
236 25.7 19.8 29.8

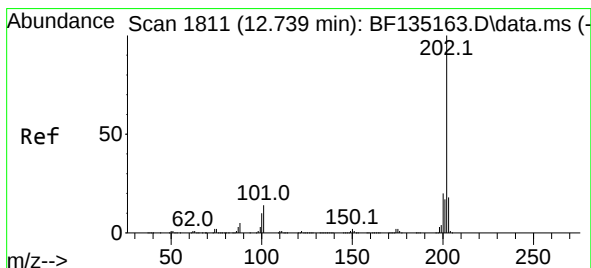
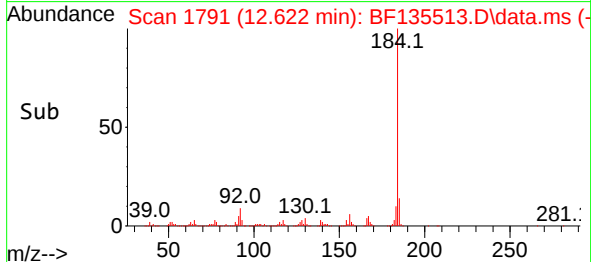
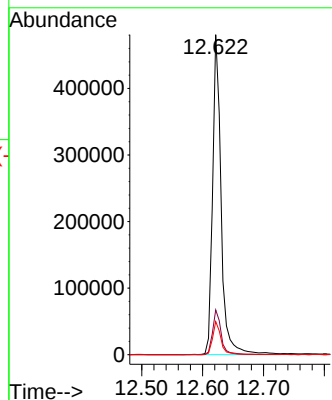
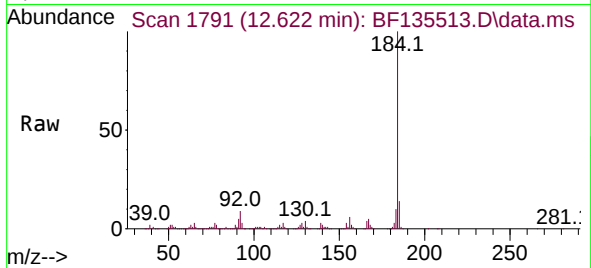




#77  
Benzidine  
Concen: 80.454 ng  
RT: 12.622 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

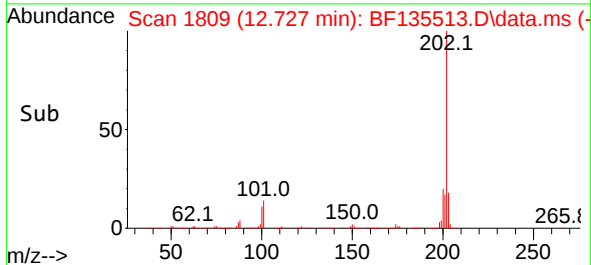
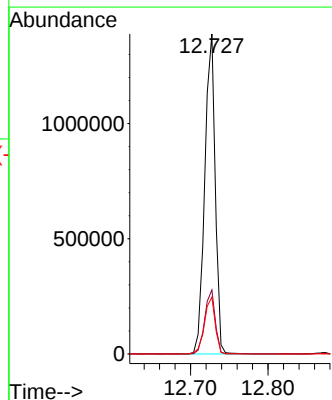
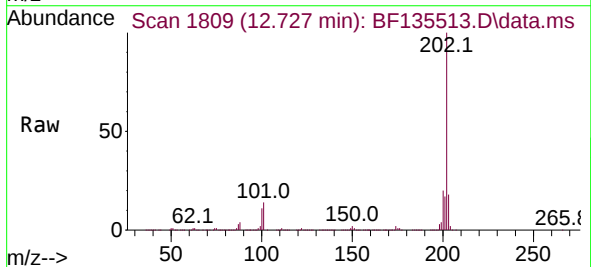
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

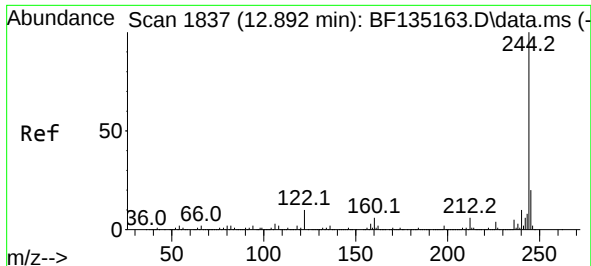
Tgt Ion:184 Resp: 471181  
Ion Ratio Lower Upper  
184 100  
185 14.0 11.7 17.5  
183 10.4 8.2 12.4



#78  
Pyrene  
Concen: 47.645 ng  
RT: 12.727 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

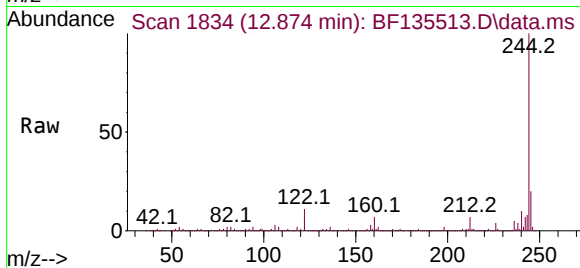
Tgt Ion:202 Resp: 1296736  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.2 24.2  
203 17.8 14.2 21.4



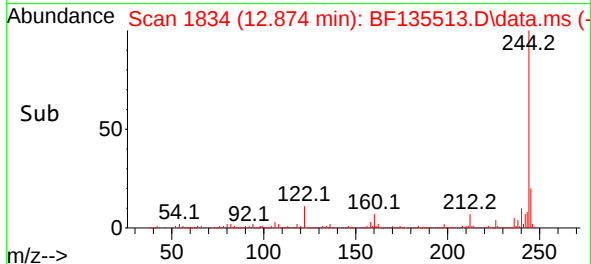
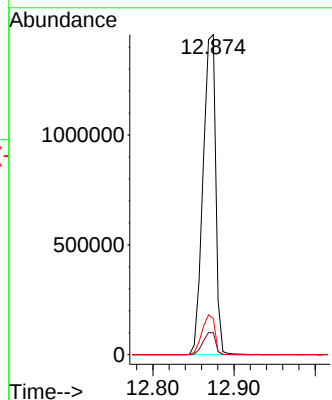


#79  
 Terphenyl-d14  
 Concen: 85.599 ng  
 RT: 12.874 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF135513.D  
 Acq: 29 Sep 2023 13:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155781BS

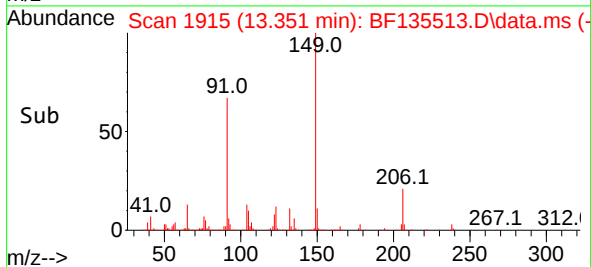
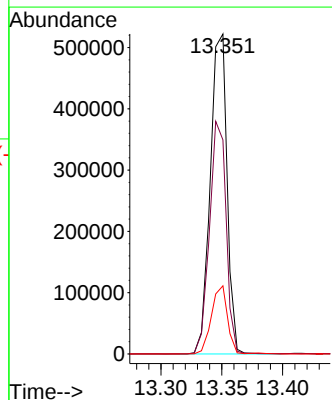
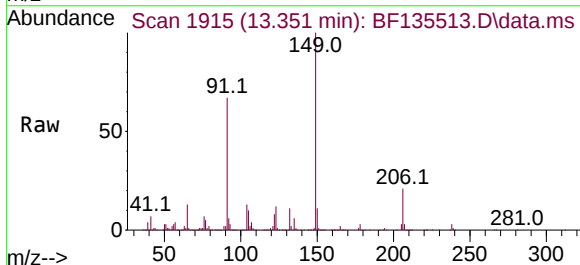


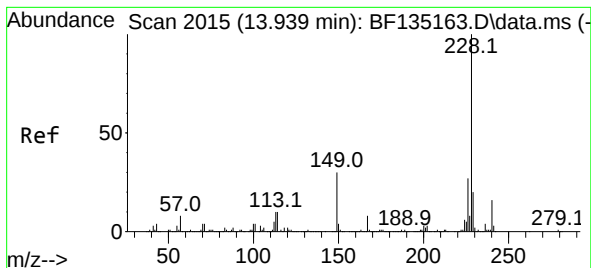
Tgt Ion:244 Resp: 1578517  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.1 7.7  
 122 11.2 7.9 11.9



#80  
 Butylbenzylphthalate  
 Concen: 52.454 ng  
 RT: 13.351 min Scan# 1915  
 Delta R.T. 0.000 min  
 Lab File: BF135513.D  
 Acq: 29 Sep 2023 13:29

Tgt Ion:149 Resp: 502651  
 Ion Ratio Lower Upper  
 149 100  
 91 66.9 54.7 82.1  
 206 21.3 16.3 24.5





#81

Benzo(a)anthracene

Concen: 46.419 ng

RT: 13.921 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

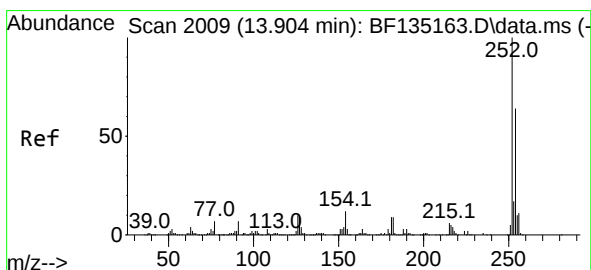
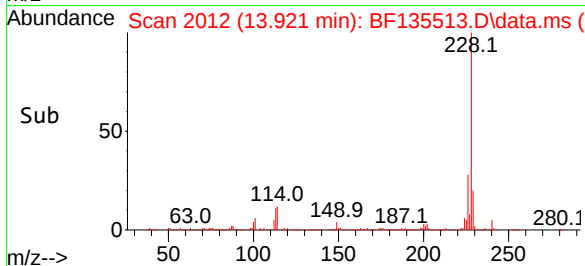
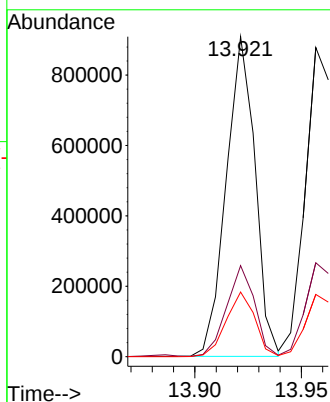
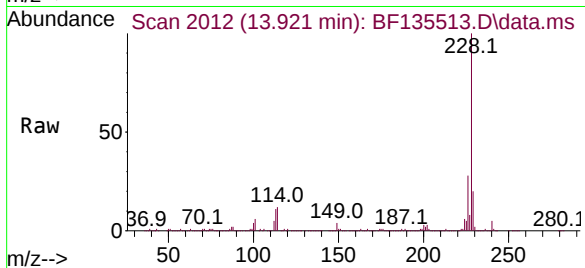
Tgt Ion:228 Resp: 856868

Ion Ratio Lower Upper

228 100

226 28.4 21.7 32.5

229 20.2 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 43.937 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

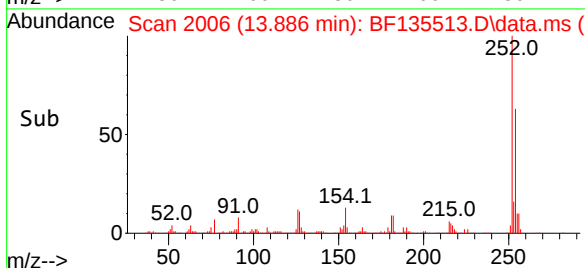
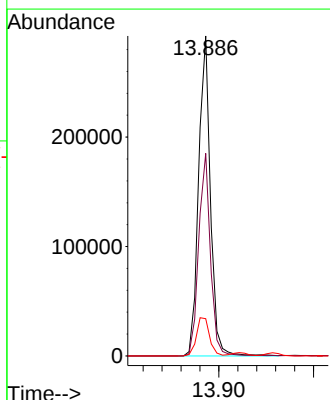
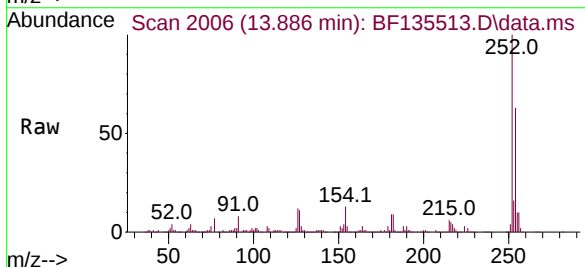
Tgt Ion:252 Resp: 253336

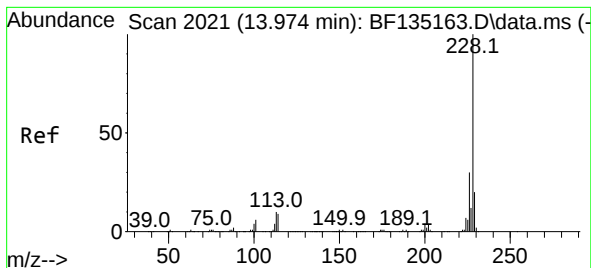
Ion Ratio Lower Upper

252 100

254 63.3 51.0 76.4

126 11.7 7.8 11.8





#83

Chrysene

Concen: 45.270 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

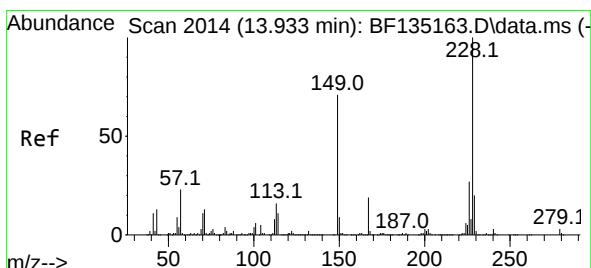
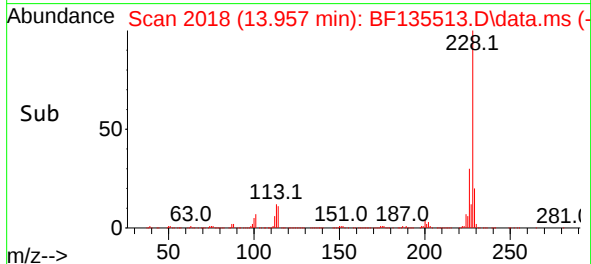
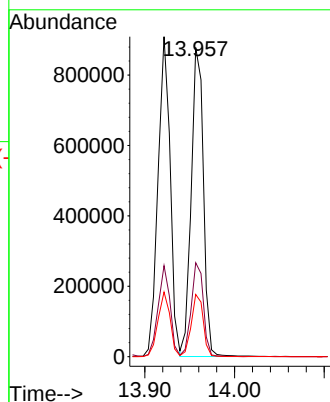
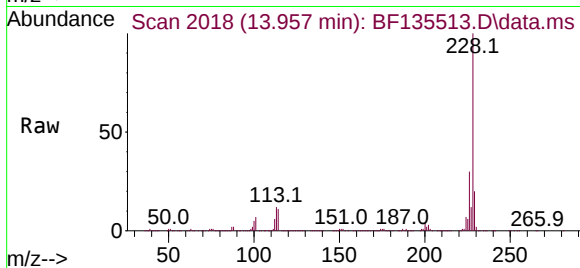
Tgt Ion:228 Resp: 830840

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 20.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.589 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

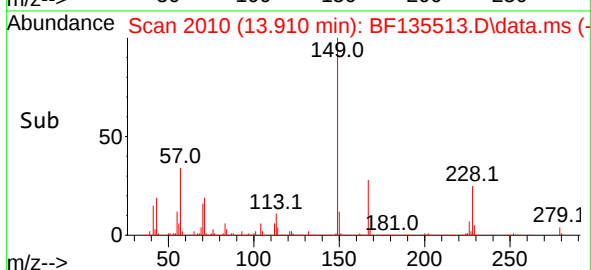
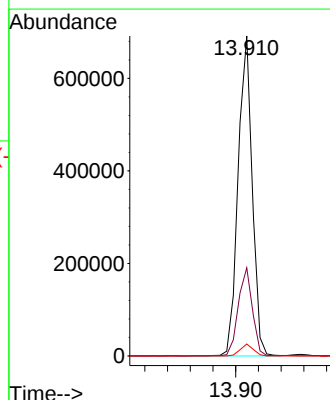
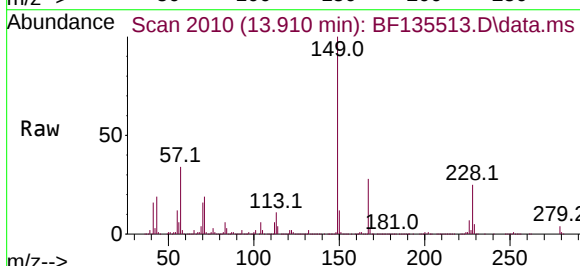
Tgt Ion:149 Resp: 595800

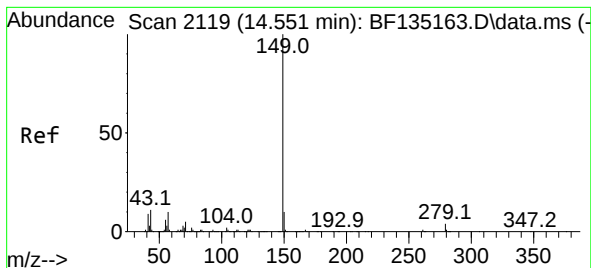
Ion Ratio Lower Upper

149 100

167 27.6 21.9 32.9

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 55.959 ng

RT: 14.527 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

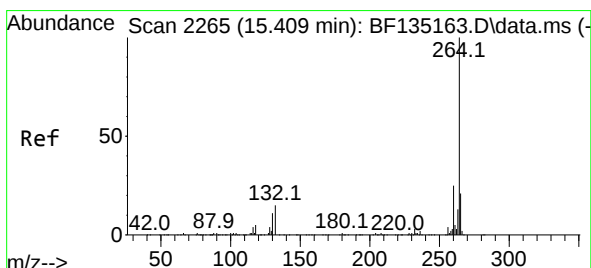
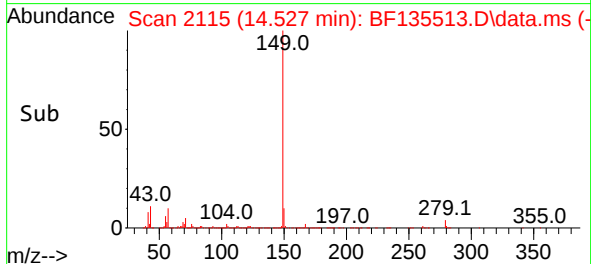
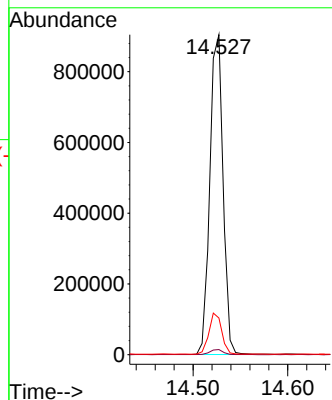
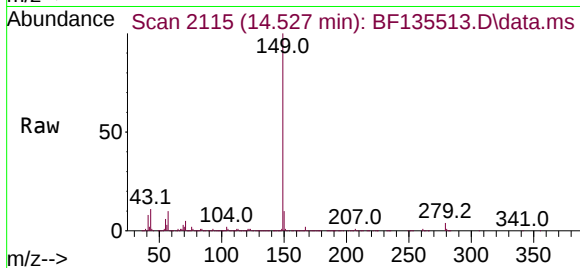
Tgt Ion:149 Resp: 874479

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.4 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

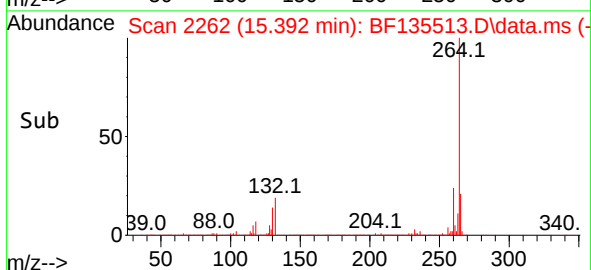
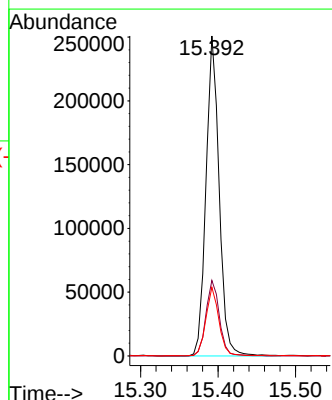
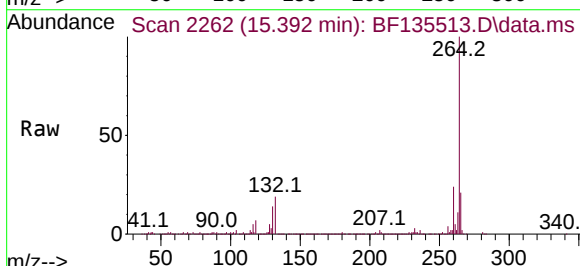
Tgt Ion:264 Resp: 295742

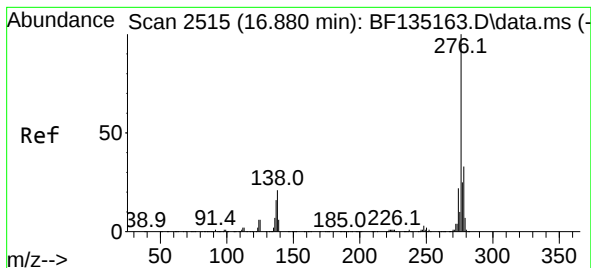
Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.893 ng

RT: 16.880 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

Instrument :

BNA\_F

ClientSampleId :

PB155781BS

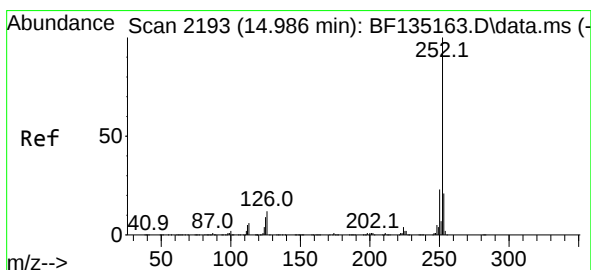
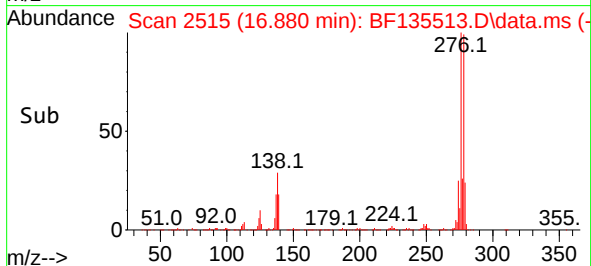
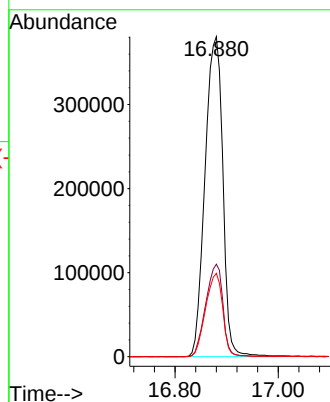
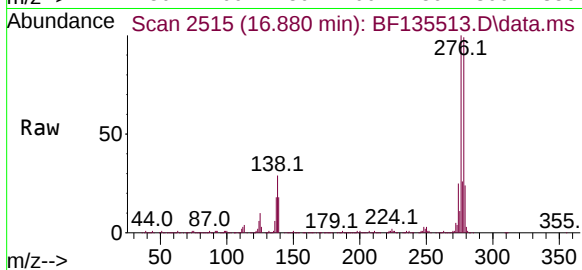
Tgt Ion:276 Resp: 909296

Ion Ratio Lower Upper

276 100

138 28.0 19.2 28.8

277 25.2 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 44.578 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF135513.D

Acq: 29 Sep 2023 13:29

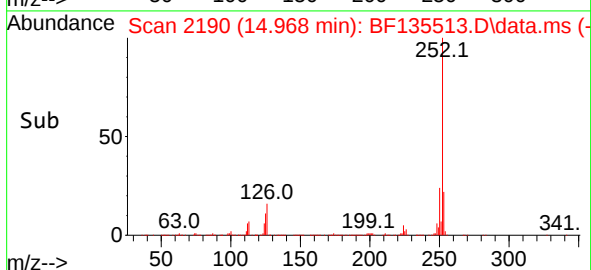
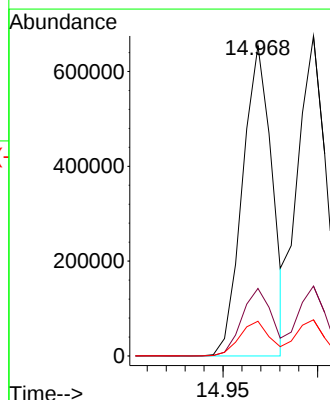
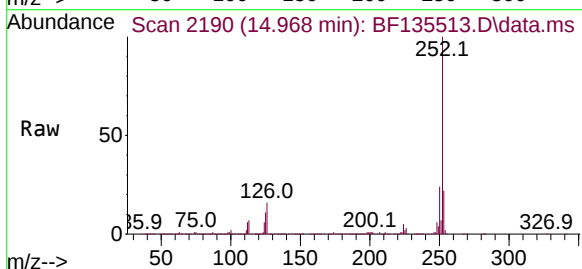
Tgt Ion:252 Resp: 713671

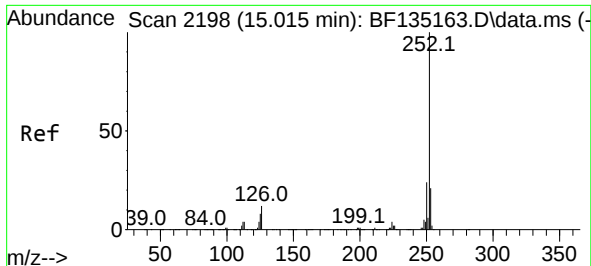
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 11.2 7.1 10.7#

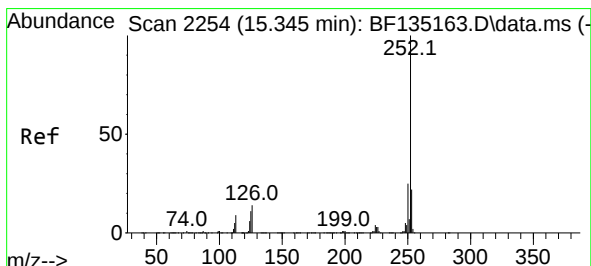
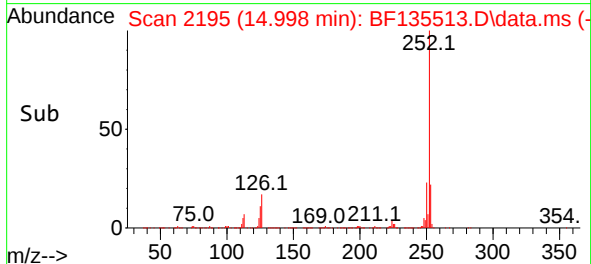
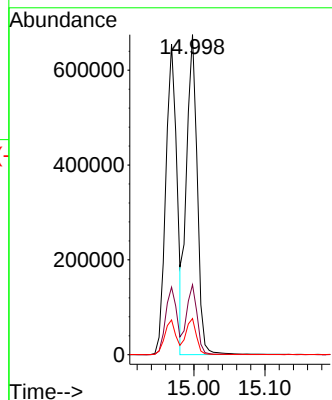
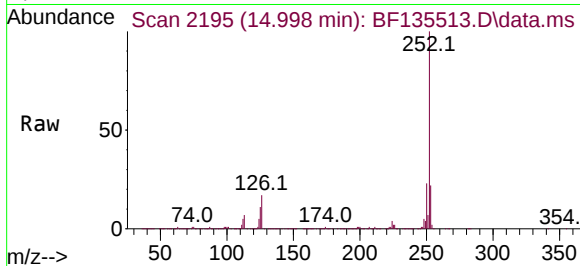




#89  
Benzo(k)fluoranthene  
Concen: 44.739 ng  
RT: 14.998 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

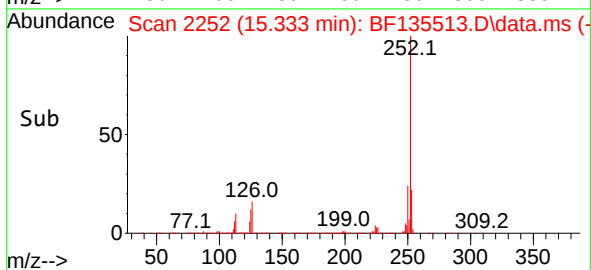
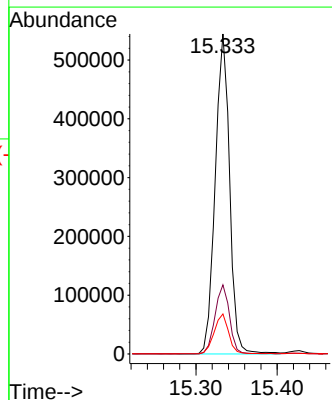
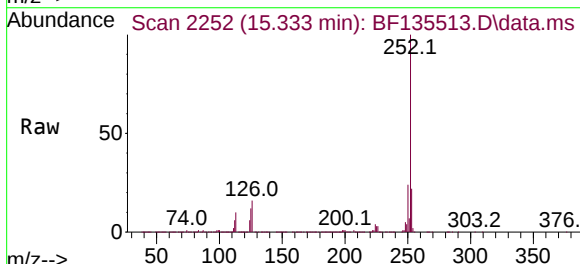
Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

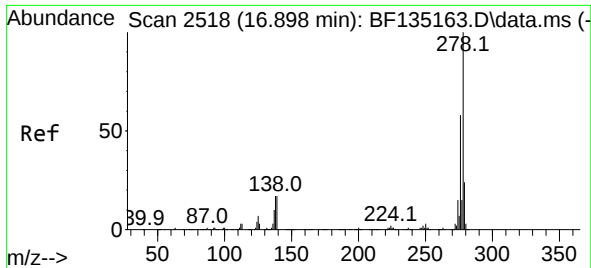
Tgt Ion:252 Resp: 707531  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.0  
125 11.3 7.2 10.8#



#90  
Benzo(a)pyrene  
Concen: 43.795 ng  
RT: 15.333 min Scan# 2252  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:252 Resp: 668629  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.5 26.3  
125 12.5 9.2 13.8

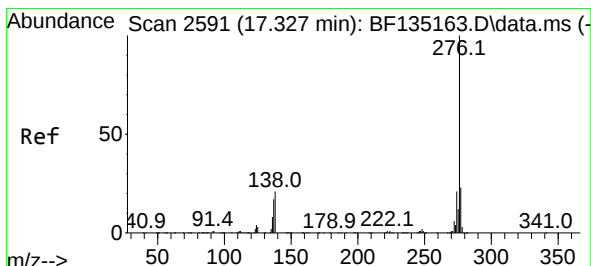
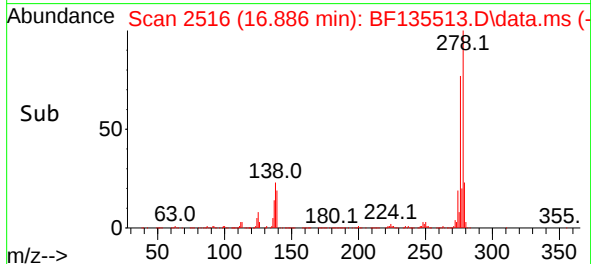
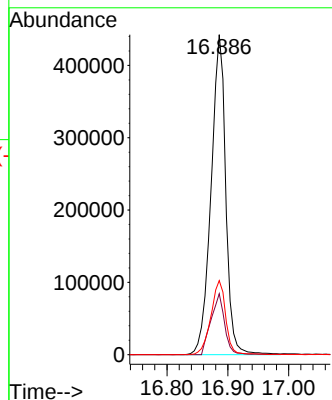
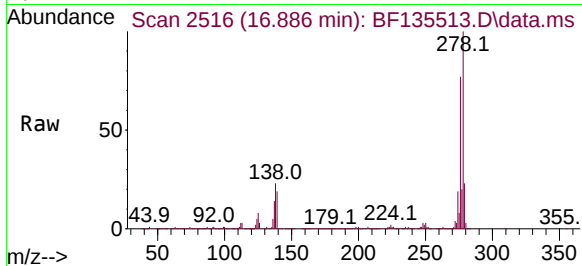




#91  
Dibenzo(a,h)anthracene  
Concen: 46.820 ng  
RT: 16.886 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB155781BS

Tgt Ion:278 Resp: 742845  
Ion Ratio Lower Upper  
278 100  
139 19.0 13.4 20.0  
279 23.1 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 46.889 ng  
RT: 17.321 min Scan# 2590  
Delta R.T. 0.000 min  
Lab File: BF135513.D  
Acq: 29 Sep 2023 13:29

Tgt Ion:276 Resp: 776941  
Ion Ratio Lower Upper  
276 100  
277 24.1 18.8 28.2  
138 24.4 16.9 25.3

