

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101623\  
 Data File : BF135771.D  
 Acq On : 16 Oct 2023 12:07  
 Operator : CG\JU  
 Sample : PB156184BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156184BSD

Quant Time: Oct 17 01:28:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 147435   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 606406   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 317965   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.281 | 188  | 588350   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 356864   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.421 | 264  | 296683   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 1053970  | 114.934 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.404  | 99   | 1327162  | 115.991 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 911678   | 82.686  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 376874   | 123.519 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.104  | 172  | 1526141  | 75.044  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.880 | 244  | 1589983  | 82.511  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.575  | 88   | 148659   | 33.609  | ng    | 100      |
| 3) Pyridine                   | 3.352  | 79   | 341066   | 31.427  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.293  | 42   | 261278   | 44.768  | ng    | 100      |
| 6) Aniline                    | 6.410  | 93   | 420277   | 29.188  | ng    | # 80     |
| 8) 2-Chlorophenol             | 6.534  | 128  | 450703   | 45.577  | ng    | 98       |
| 9) Benzaldehyde               | 6.298  | 77   | 88082    | 13.525  | ng    | 98       |
| 10) Phenol                    | 6.416  | 94   | 514741   | 42.934  | ng    | # 80     |
| 11) bis(2-Chloroethyl)ether   | 6.487  | 93   | 423164   | 43.805  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.681  | 146  | 431572   | 43.048  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 434623   | 42.795  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.910  | 146  | 403772   | 44.155  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 365808   | 48.083  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022  | 45   | 773936   | 44.298  | ng    | 89       |
| 17) 2-Methylphenol            | 7.016  | 107  | 364391   | 42.565  | ng    | 96       |
| 18) Hexachloroethane          | 7.245  | 117  | 165984   | 45.076  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.169  | 70   | 299348   | 42.312  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.169  | 107  | 448425   | 42.018  | ng    | # 88     |
| 22) Acetophenone              | 7.157  | 105  | 604794   | 43.487  | ng    | # 97     |
| 24) Nitrobenzene              | 7.334  | 77   | 474849   | 42.912  | ng    | 99       |
| 25) Isophorone                | 7.569  | 82   | 906823   | 43.596  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.645  | 139  | 245324   | 45.428  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.692  | 122  | 372890   | 41.945  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.781  | 93   | 525938   | 42.457  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.898  | 162  | 369329   | 44.331  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.969  | 180  | 360372   | 42.293  | ng    | 100      |
| 31) Naphthalene               | 8.045  | 128  | 1189139  | 40.204  | ng    | 98       |
| 32) Benzoic acid              | 7.869  | 122  | 302001   | 50.186  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.104  | 127  | 288492   | 22.328  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 210533   | 41.742  | ng    | 98       |
| 35) Caprolactam               | 8.557  | 113  | 43319    | 15.210  | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 8.610  | 107  | 423491   | 45.837  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.739  | 142  | 798055   | 40.952  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.839  | 142  | 751581   | 41.815  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.910  | 216  | 380135   | 41.561  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.887  | 237  | 181058   | 87.869  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.028  | 196  | 259617   | 44.048  | ng    | 98       |

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 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.081  | 196  | 273360   | 39.876  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.210  | 154  | 1000476  | 41.076  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.234  | 162  | 743412   | 42.351  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.345  | 65   | 295639   | 42.668  | ng    | 99       |
| 49) Acenaphthylene            | 9.645  | 152  | 1184255  | 40.767  | ng    | 99       |
| 50) Dimethylphthalate         | 9.516  | 163  | 908213   | 42.312  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.592  | 165  | 199275   | 43.172  | ng    | # 79     |
| 52) Acenaphthene              | 9.822  | 154  | 705034   | 40.492  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.763  | 138  | 177748   | 31.413  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 221057   | 114.727 | ng    | 97       |
| 55) Dibenzofuran              | 9.992  | 168  | 1075054  | 40.920  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.951  | 139  | 233458   | 89.358  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 255883   | 43.574  | ng    | 96       |
| 58) Fluorene                  | 10.339 | 166  | 849837   | 41.319  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.122 | 232  | 230489   | 44.490  | ng    | 98       |
| 60) Diethylphthalate          | 10.222 | 149  | 929396   | 42.413  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.328 | 204  | 409569   | 41.202  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.386 | 138  | 218104   | 41.893  | ng    | 97       |
| 63) Azobenzene                | 10.492 | 77   | 906450   | 42.576  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 151330   | 51.109  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.457 | 169  | 797625   | 44.479  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.822 | 248  | 251530   | 42.589  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.892 | 284  | 267567   | 44.498  | ng    | 96       |
| 69) Atrazine                  | 10.992 | 200  | 237164   | 48.622  | ng    | 98       |
| 70) Pentachlorophenol         | 11.098 | 266  | 211079   | 89.005  | ng    | 97       |
| 71) Phenanthrene              | 11.310 | 178  | 1152950  | 40.907  | ng    | 99       |
| 72) Anthracene                | 11.363 | 178  | 1175685  | 40.255  | ng    | 99       |
| 73) Carbazole                 | 11.522 | 167  | 1123059  | 41.230  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.845 | 149  | 1361278  | 40.705  | ng    | 99       |
| 75) Fluoranthene              | 12.504 | 202  | 1241886  | 39.700  | ng    | 99       |
| 77) Benzidine                 | 12.633 | 184  | 263755   | 33.871  | ng    | 99       |
| 78) Pyrene                    | 12.733 | 202  | 1265019  | 44.608  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.357 | 149  | 549683   | 44.110  | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.939 | 228  | 1015209  | 43.311  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.898 | 252  | 283813   | 36.508  | ng    | 98       |
| 83) Chrysene                  | 13.974 | 228  | 940460   | 41.423  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.916 | 149  | 750678   | 44.446  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.533 | 149  | 1182263  | 44.144  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.933 | 276  | 733903   | 45.399  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.992 | 252  | 848038   | 51.073  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 728158   | 45.170  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.363 | 252  | 662657   | 42.441  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.939 | 278  | 611384   | 46.135  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.386 | 276  | 620134   | 45.556  | ng    | 97       |

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

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QLast Update : Tue Oct 17 01:22:00 2023  
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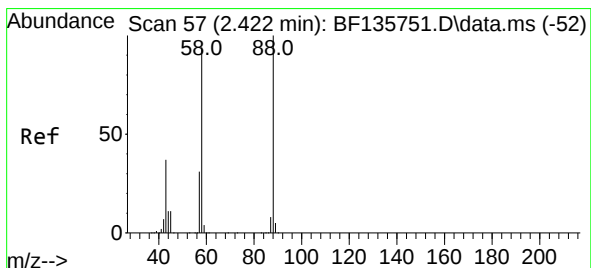
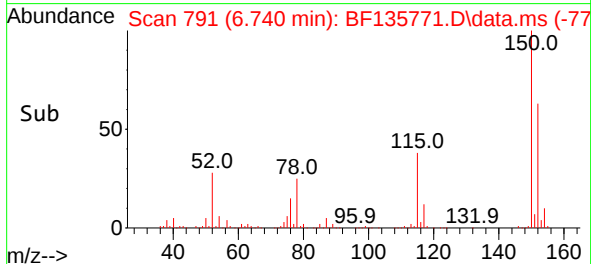
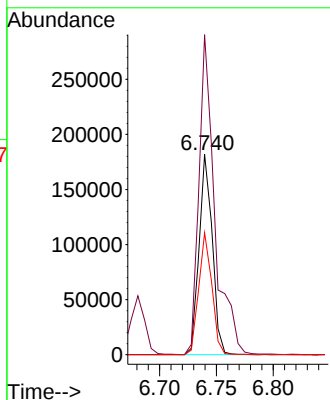
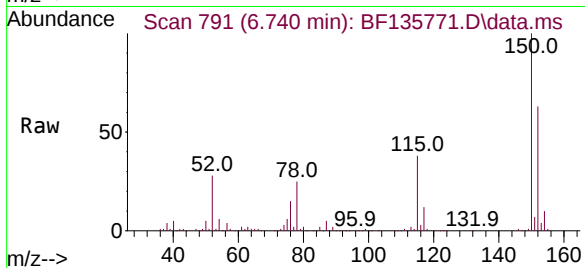




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.740 min Scan# 791  
 Delta R.T. -0.006 min  
 Lab File: BF135771.D  
 Acq: 16 Oct 2023 12:07

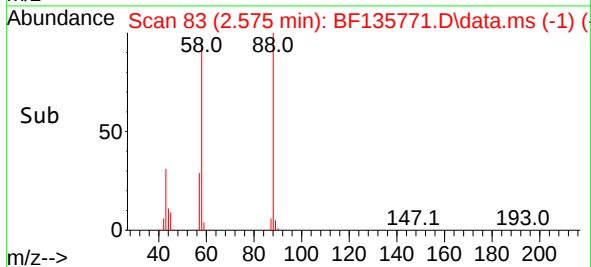
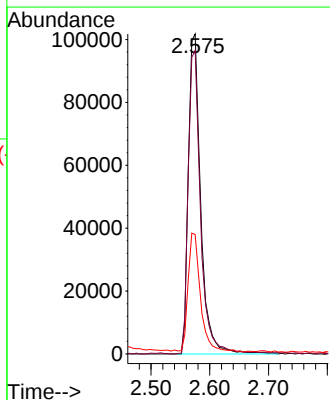
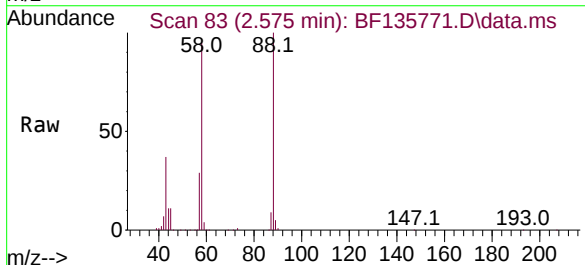
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156184BSD

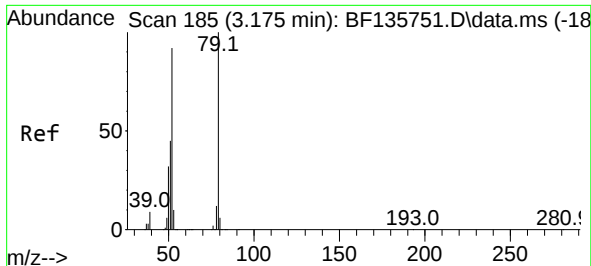
Tgt Ion:152 Resp: 147435  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 124.5 186.7  
 115 60.9 49.0 73.4



#2  
 1,4-Dioxane  
 Concen: 33.609 ng  
 RT: 2.575 min Scan# 83  
 Delta R.T. 0.135 min  
 Lab File: BF135771.D  
 Acq: 16 Oct 2023 12:07

Tgt Ion: 88 Resp: 148659  
 Ion Ratio Lower Upper  
 88 100  
 58 95.6 76.1 114.1  
 43 37.4 29.8 44.8

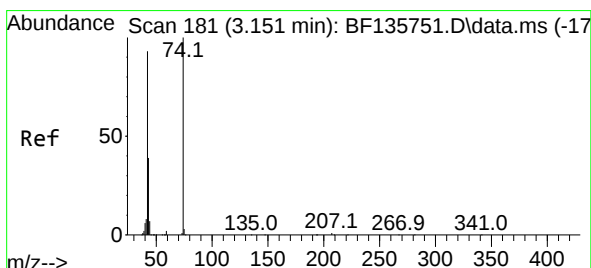
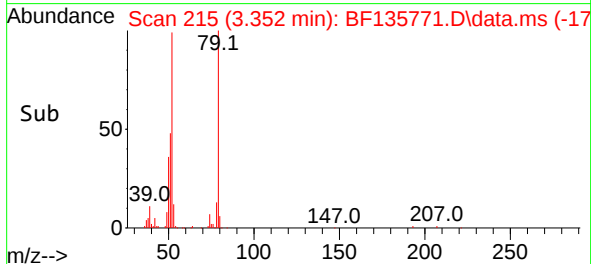
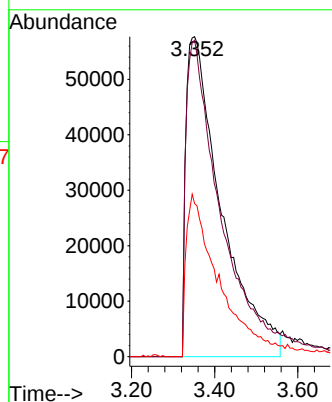
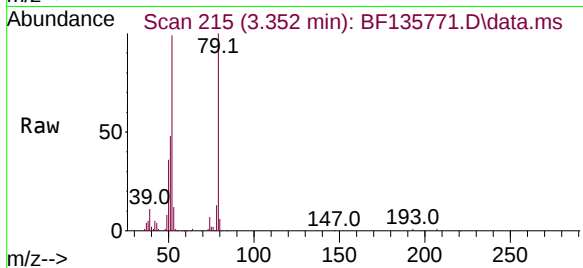




#3  
Pyridine  
Concen: 31.427 ng  
RT: 3.352 min Scan# 215  
Delta R.T. 0.165 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

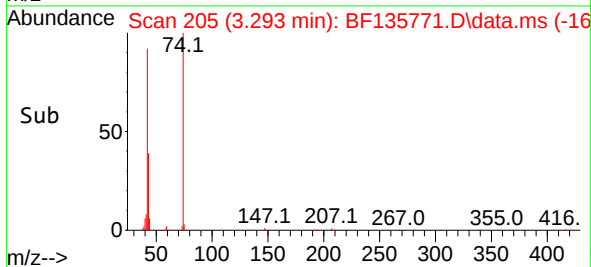
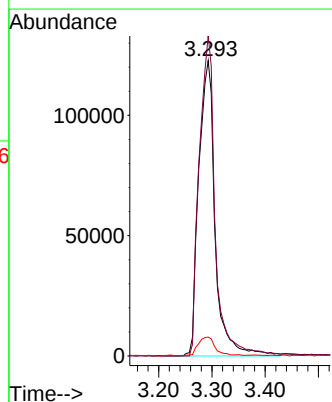
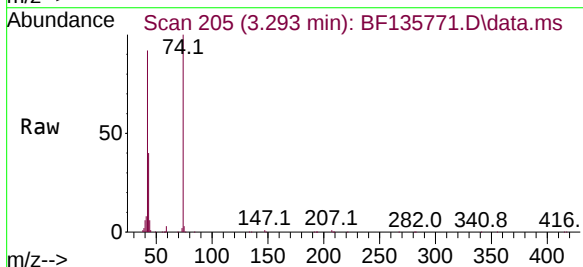
Instrument :  
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ClientSampleId :  
PB156184BSD

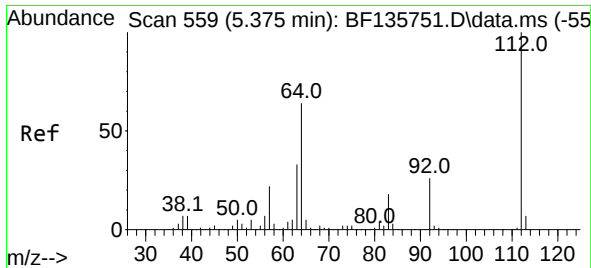
Tgt Ion: 79 Resp: 341066  
Ion Ratio Lower Upper  
79 100  
52 98.9 73.4 110.2  
51 47.9 36.5 54.7



#4  
n-Nitrosodimethylamine  
Concen: 44.768 ng  
RT: 3.293 min Scan# 205  
Delta R.T. 0.123 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion: 42 Resp: 261278  
Ion Ratio Lower Upper  
42 100  
74 108.3 86.5 129.7  
44 6.4 5.9 8.9

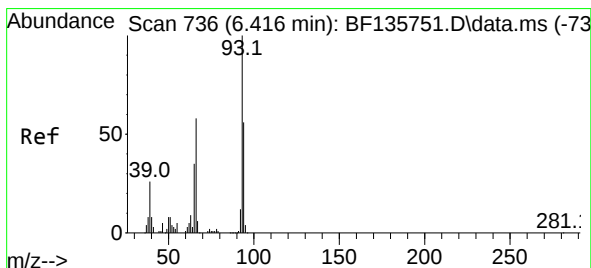
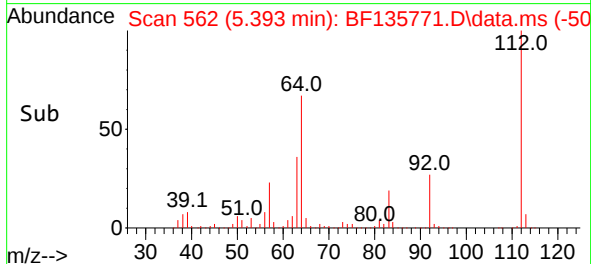
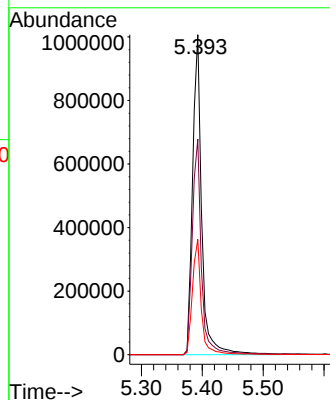
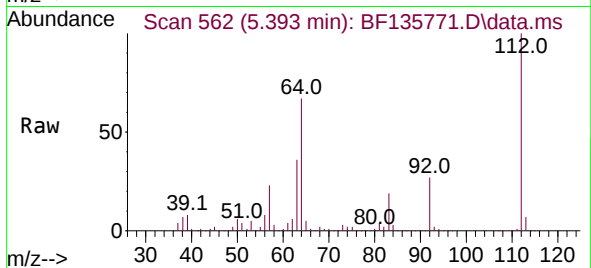




#5  
2-Fluorophenol  
Concen: 114.934 ng  
RT: 5.393 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

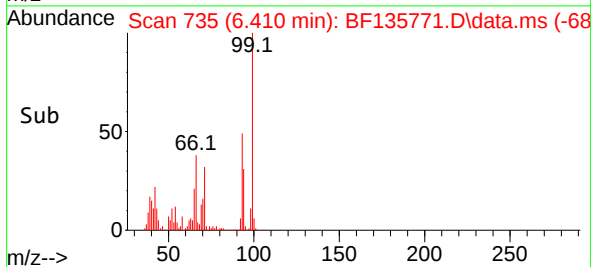
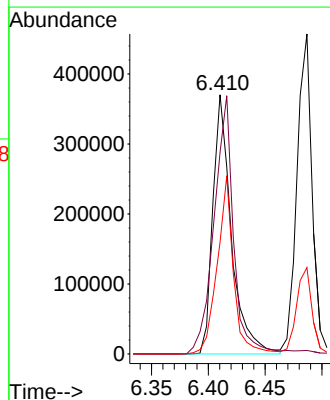
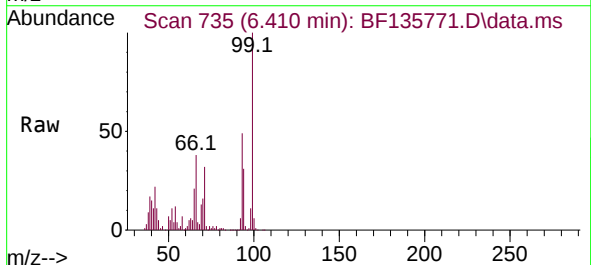
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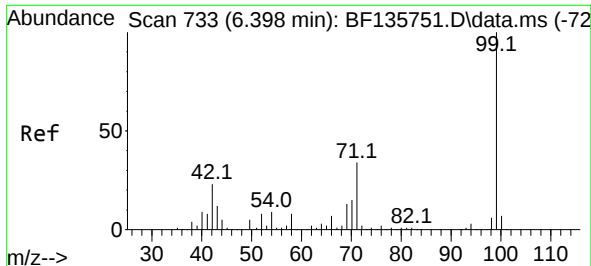
Tgt Ion:112 Resp: 1053970  
Ion Ratio Lower Upper  
112 100  
64 67.4 51.2 76.8  
63 36.1 26.1 39.1



#6  
Aniline  
Concen: 29.188 ng  
RT: 6.410 min Scan# 735  
Delta R.T. -0.006 min  
Lab File: BF135771.D  
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Tgt Ion: 93 Resp: 420277  
Ion Ratio Lower Upper  
93 100  
66 77.8 47.6 71.4#  
65 43.1 28.5 42.7#

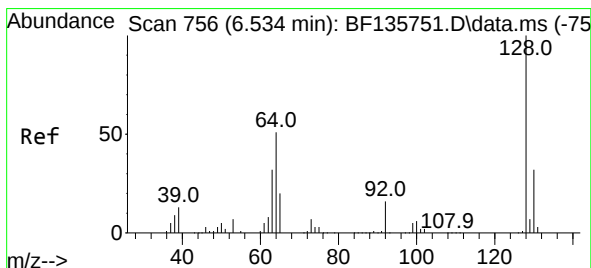
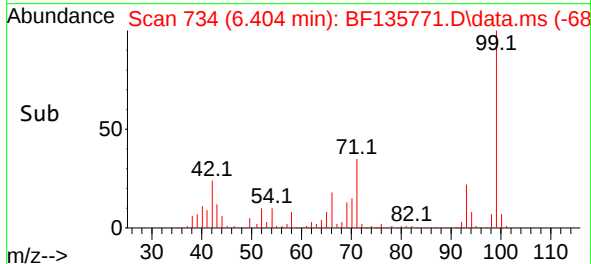
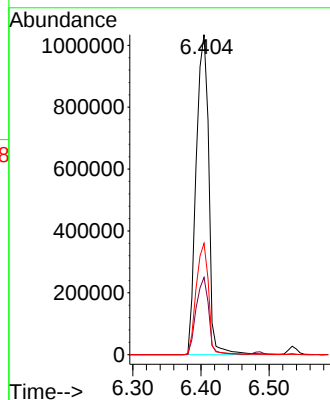
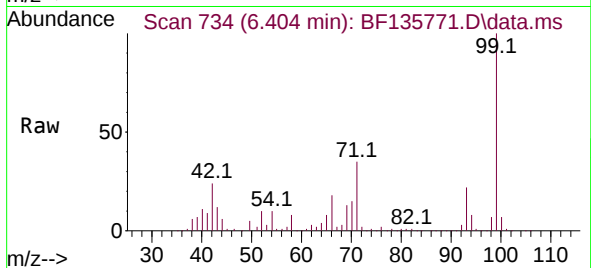




#7  
Phenol-d6  
Concen: 115.991 ng  
RT: 6.404 min Scan# 733  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

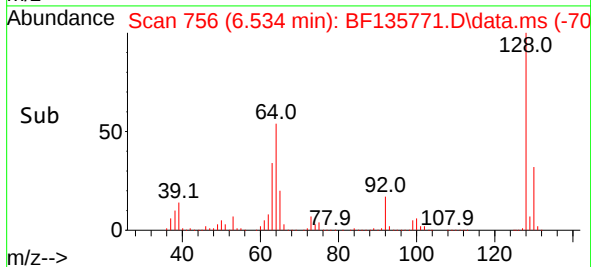
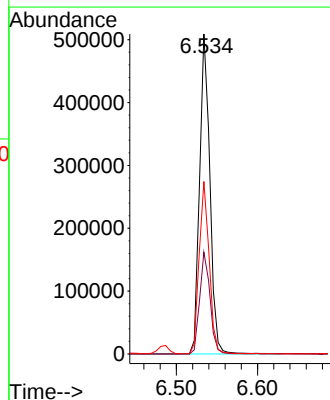
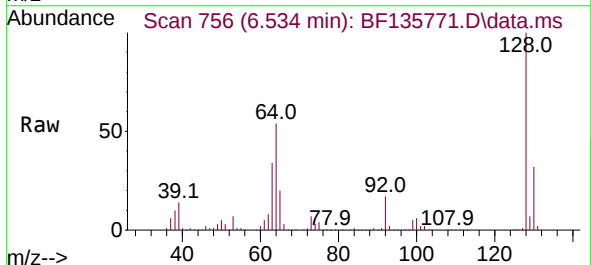
Instrument :  
BNA\_F  
ClientSampleId :  
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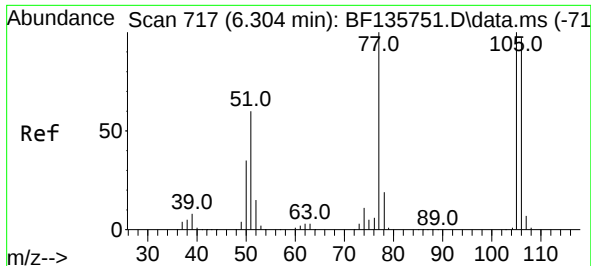
Tgt Ion: 99 Resp: 1327162  
Ion Ratio Lower Upper  
99 100  
42 24.1 18.4 27.6  
71 34.8 27.2 40.8



#8  
2-Chlorophenol  
Concen: 45.577 ng  
RT: 6.534 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:128 Resp: 450703  
Ion Ratio Lower Upper  
128 100  
130 31.8 12.4 52.4  
64 53.9 32.3 72.3

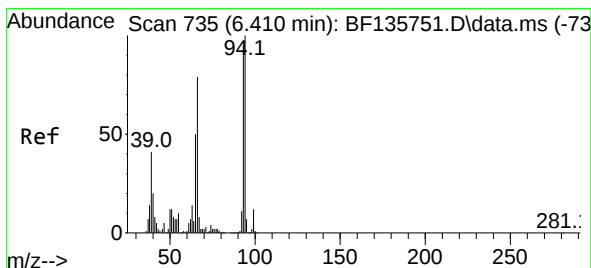
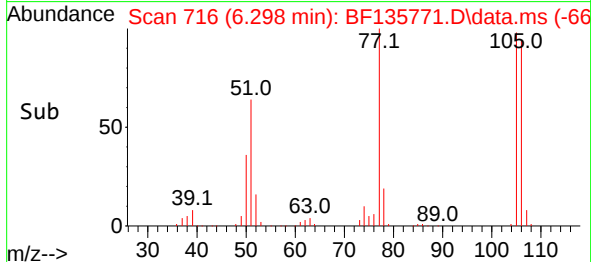
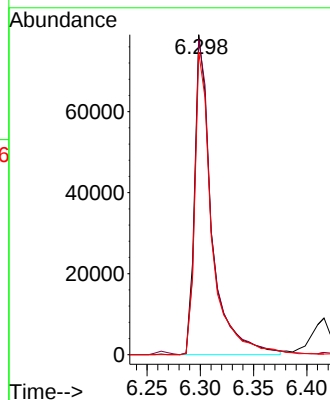
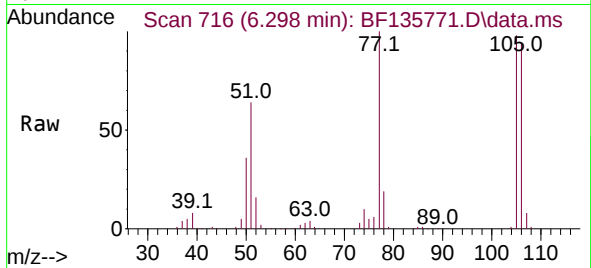




#9  
Benzaldehyde  
Concen: 13.525 ng  
RT: 6.298 min Scan# 716  
Delta R.T. -0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

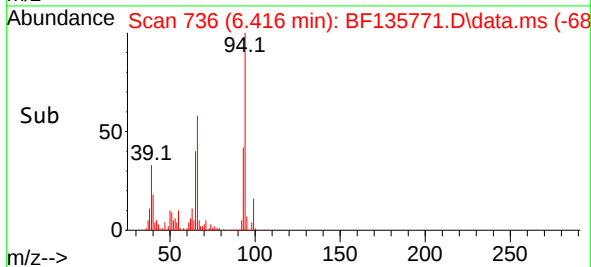
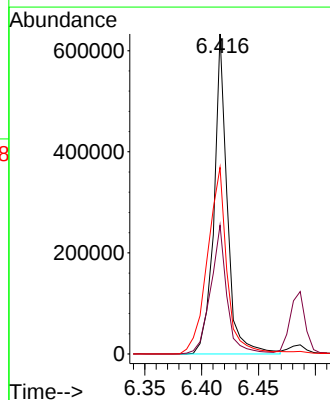
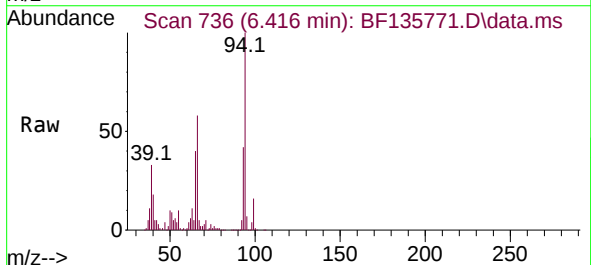
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

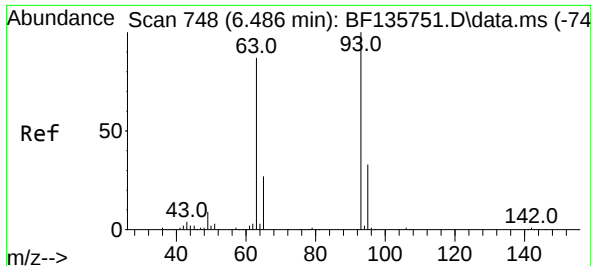
Tgt Ion: 77 Resp: 88082  
Ion Ratio Lower Upper  
77 100  
105 98.5 79.9 119.9  
106 94.5 77.1 117.1



#10  
Phenol  
Concen: 42.934 ng  
RT: 6.416 min Scan# 736  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion: 94 Resp: 514741  
Ion Ratio Lower Upper  
94 100  
65 40.2 30.3 70.3  
66 58.3 59.1 99.1#



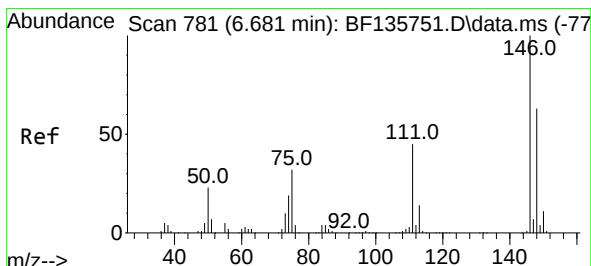
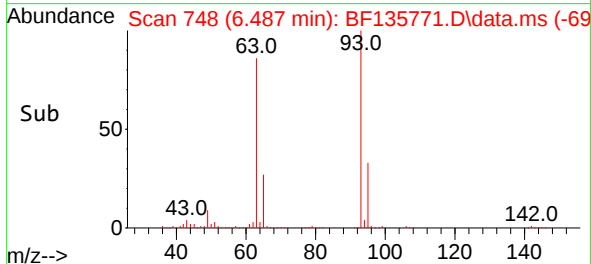
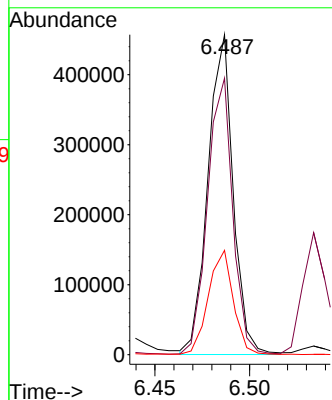
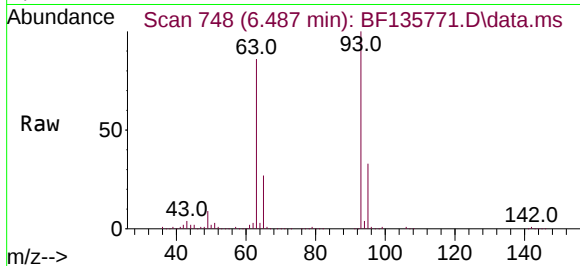


#11  
bis(2-Chloroethyl)ether  
Concen: 43.805 ng  
RT: 6.487 min Scan# 748  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

Tgt Ion: 93 Resp: 423164

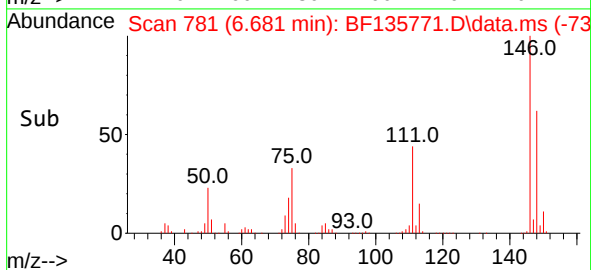
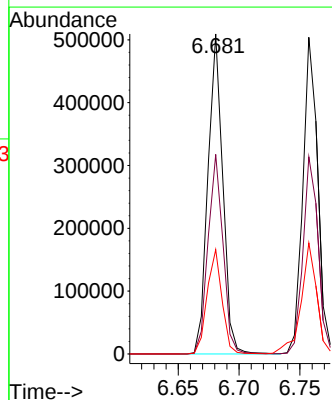
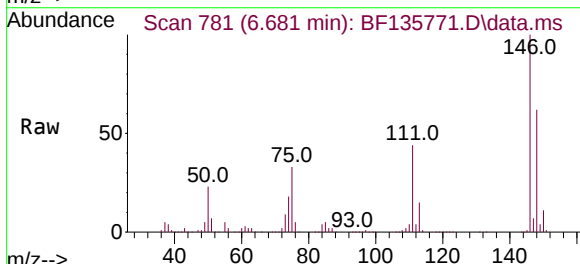
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 86.4  | 66.3  | 106.3 |
| 95  | 32.6  | 12.8  | 52.8  |

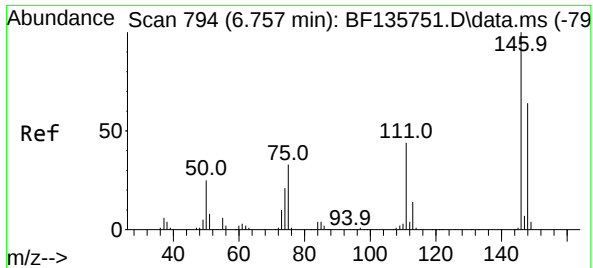


#12  
1,3-Dichlorobenzene  
Concen: 43.048 ng  
RT: 6.681 min Scan# 781  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:146 Resp: 431572

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 62.4  | 50.2  | 75.4  |
| 75  | 32.6  | 25.8  | 38.6  |

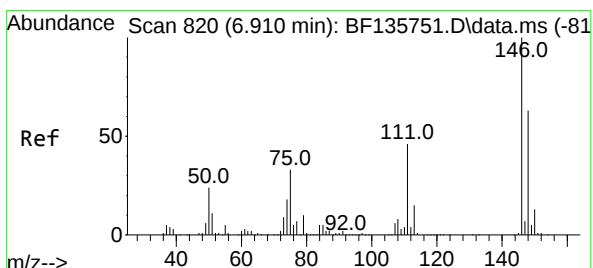
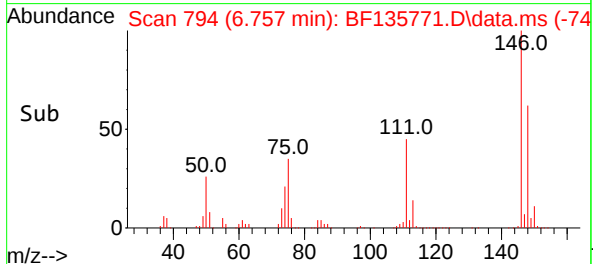
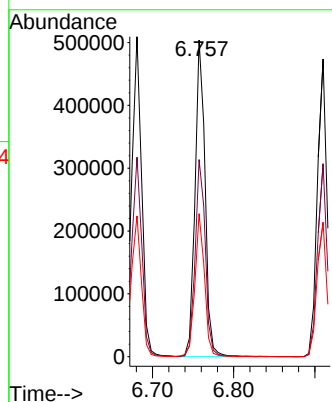
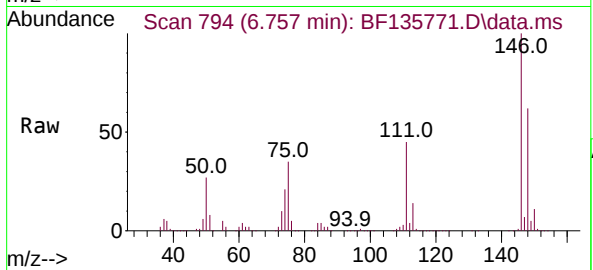




#13  
1,4-Dichlorobenzene  
Concen: 42.795 ng  
RT: 6.757 min Scan# 794  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

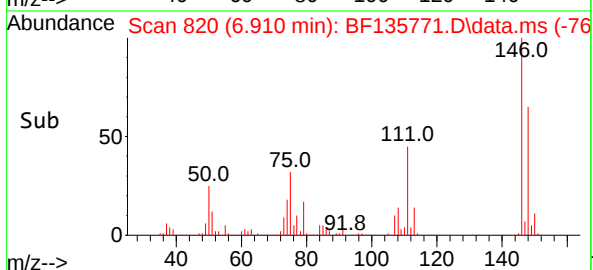
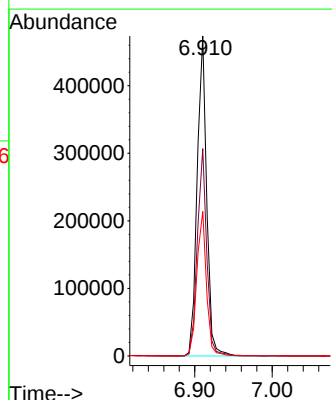
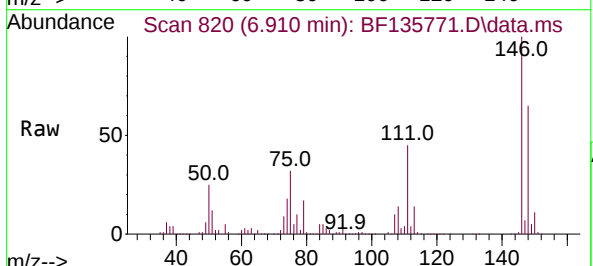
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

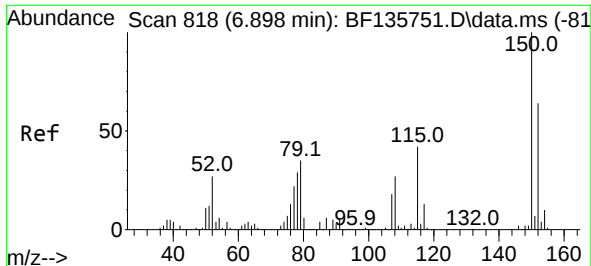
Tgt Ion:146 Resp: 434623  
Ion Ratio Lower Upper  
146 100  
148 62.3 51.0 76.6  
111 45.2 35.2 52.8



#14  
1,2-Dichlorobenzene  
Concen: 44.155 ng  
RT: 6.910 min Scan# 820  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:146 Resp: 403772  
Ion Ratio Lower Upper  
146 100  
148 64.8 50.2 75.2  
111 45.2 37.1 55.7

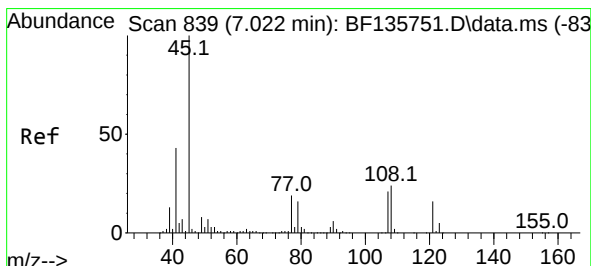
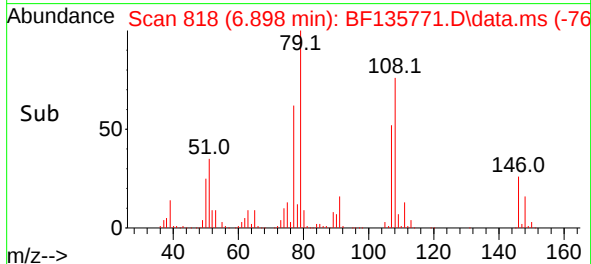
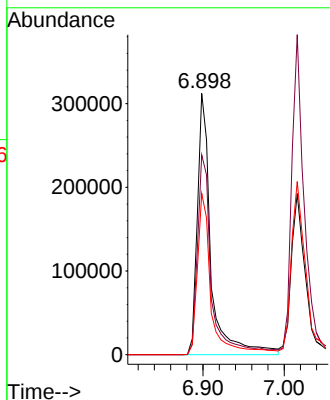
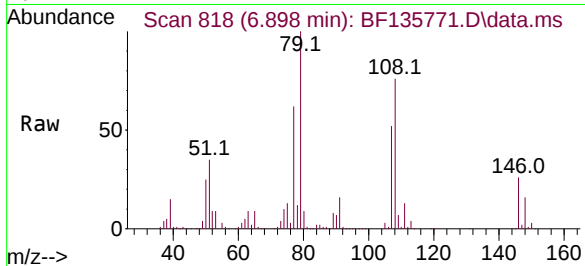




#15  
Benzyl Alcohol  
Concen: 48.083 ng  
RT: 6.898 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

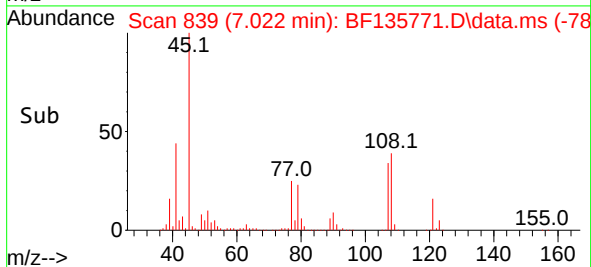
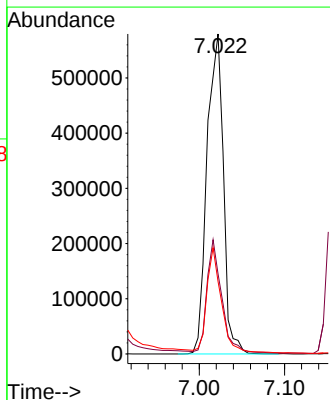
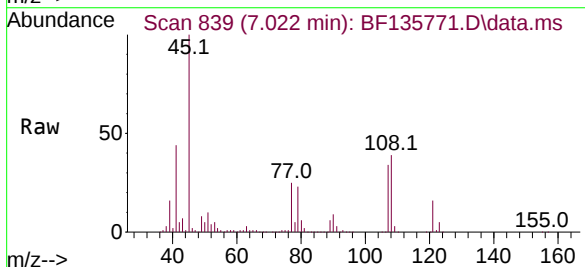
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

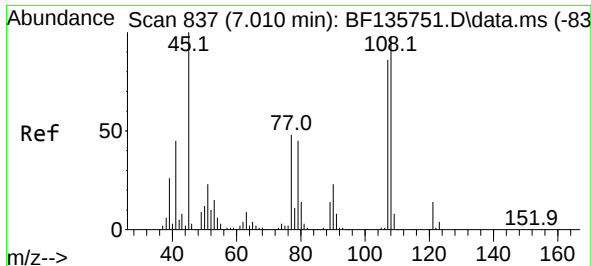
Tgt Ion: 79 Resp: 365808  
Ion Ratio Lower Upper  
79 100  
108 76.5 62.0 93.0  
77 61.7 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.298 ng  
RT: 7.022 min Scan# 839  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion: 45 Resp: 773936  
Ion Ratio Lower Upper  
45 100  
77 25.1 0.0 39.8  
79 22.6 0.0 37.6

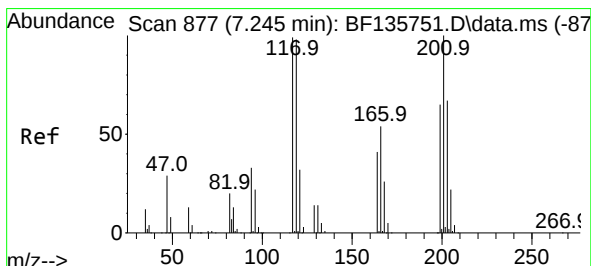
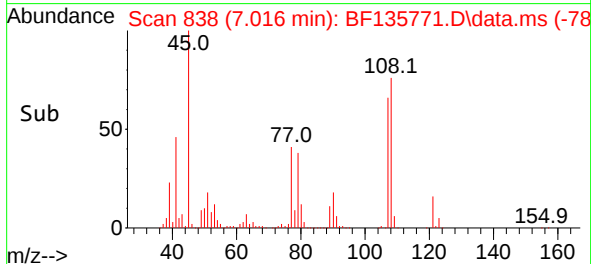
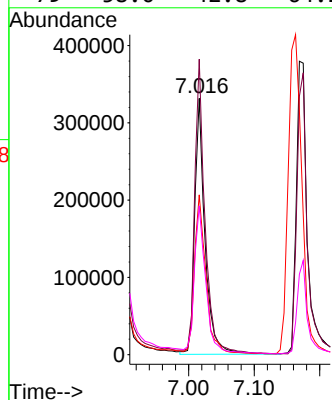
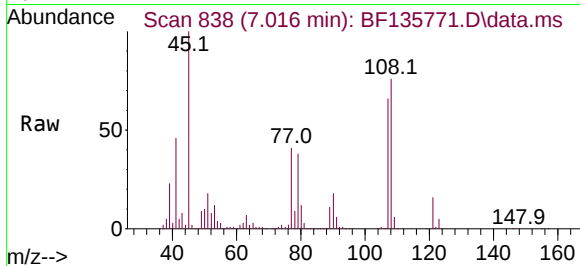




#17  
2-Methylphenol  
Concen: 42.565 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

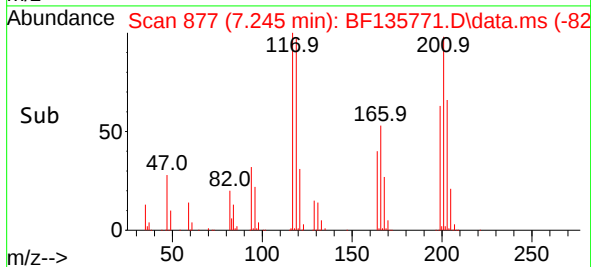
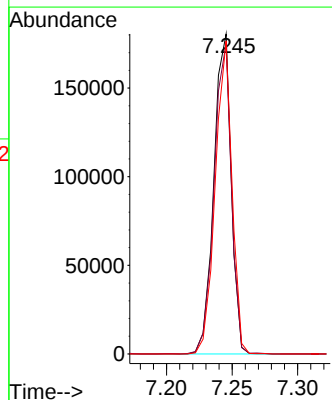
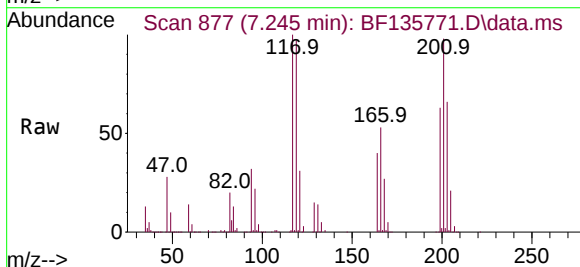
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

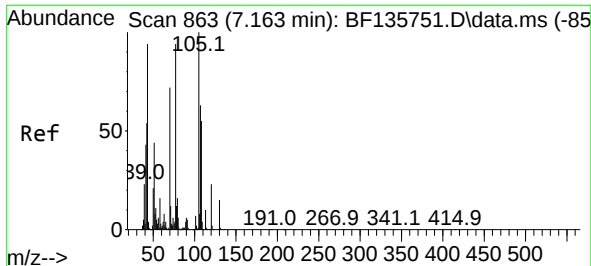
Tgt Ion:107 Resp: 364391  
Ion Ratio Lower Upper  
107 100  
108 115.3 91.8 137.6  
77 62.3 45.4 68.0  
79 58.0 42.8 64.2



#18  
Hexachloroethane  
Concen: 45.076 ng  
RT: 7.245 min Scan# 877  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:117 Resp: 165984  
Ion Ratio Lower Upper  
117 100  
119 97.1 79.5 119.3  
201 97.9 80.9 121.3

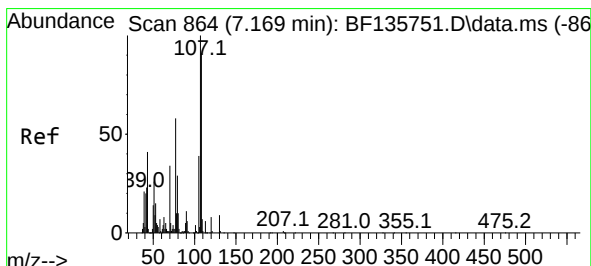
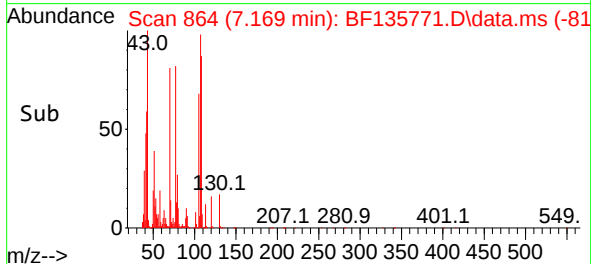
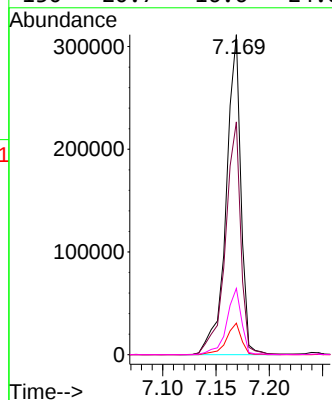
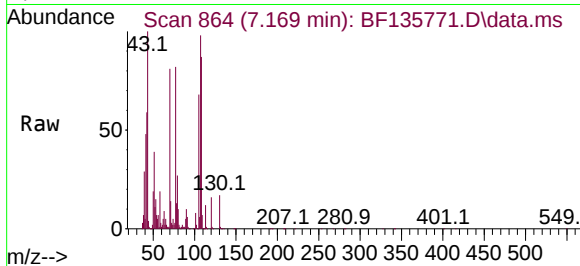




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.312 ng  
RT: 7.169 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

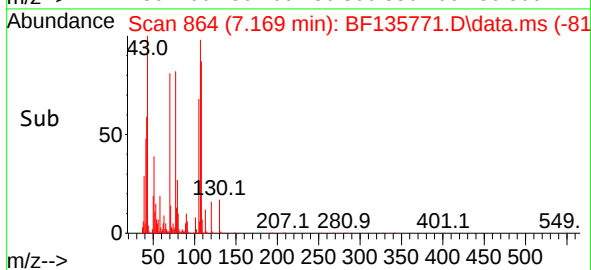
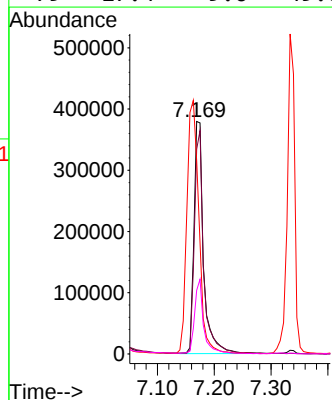
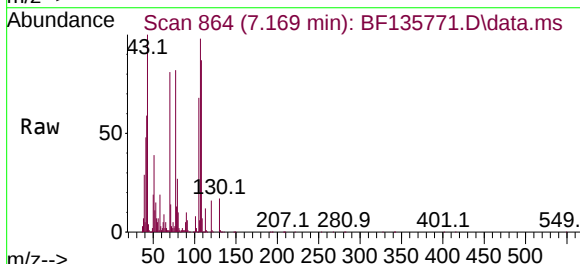
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

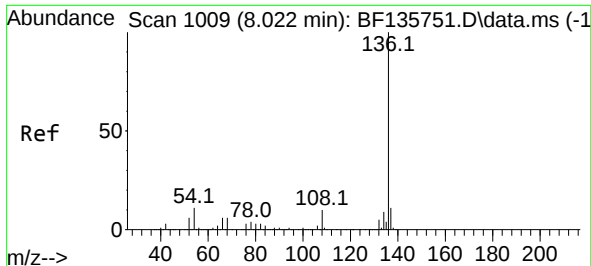
Tgt Ion: 70 Resp: 299348  
Ion Ratio Lower Upper  
70 100  
42 72.7 59.8 89.6  
101 9.8 7.4 11.2  
130 20.7 16.6 24.8



#20  
3+4-Methylphenols  
Concen: 42.018 ng  
RT: 7.169 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:107 Resp: 448425  
Ion Ratio Lower Upper  
107 100  
108 88.1 71.1 111.1  
77 83.1 42.0 82.0#  
79 27.4 9.6 49.6

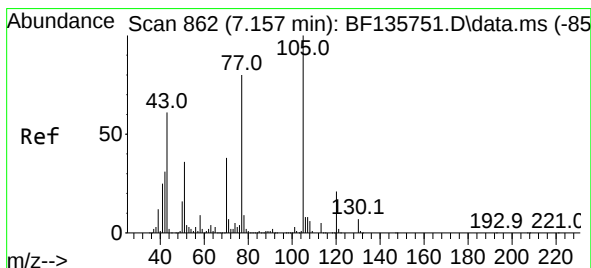
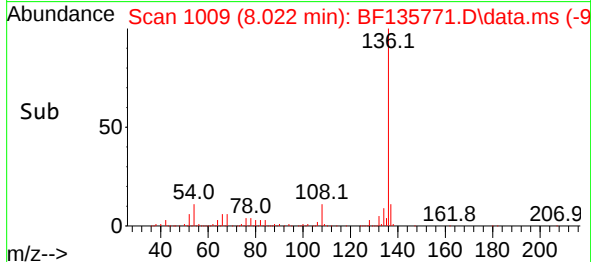
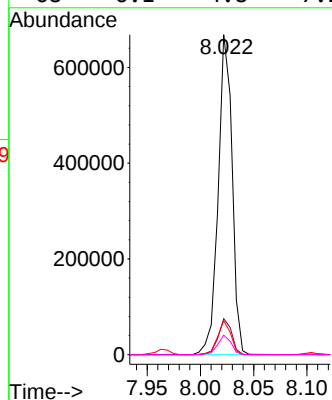
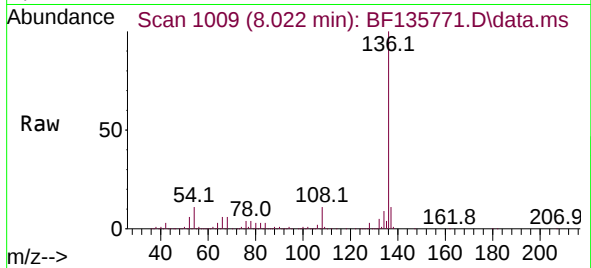




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.022 min Scan# 1009  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

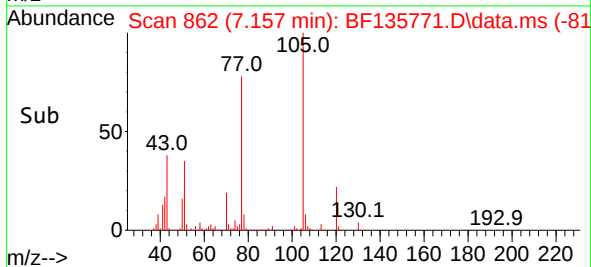
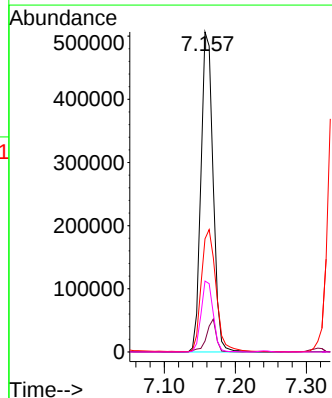
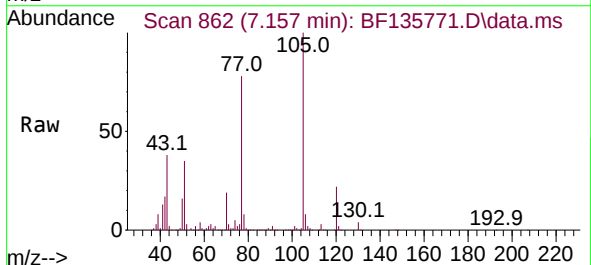
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

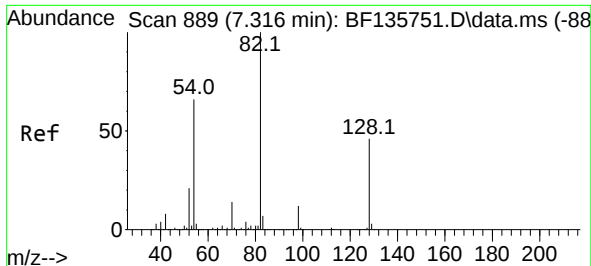
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 606406 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.6   | 12.8   |
| 54       | 10.6  | 8.5   | 12.7   |
| 68       | 6.1   | 4.8   | 7.2    |



#22  
Acetophenone  
Concen: 43.487 ng  
RT: 7.157 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 604794 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.4   | 5.4   | 8.0    |
| 51       | 35.4  | 29.4  | 44.0   |
| 120      | 22.1  | 16.9  | 25.3   |





#23

Nitrobenzene-d5

Concen: 82.686 ng

RT: 7.316 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

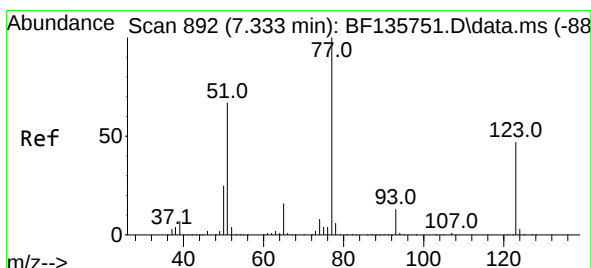
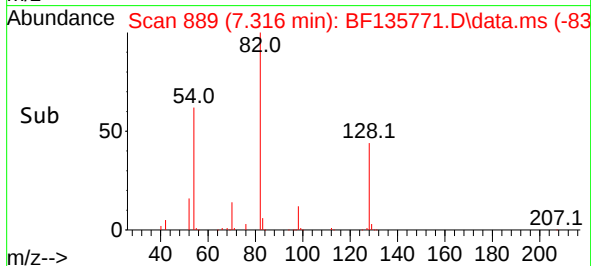
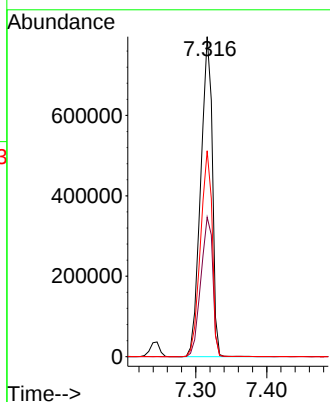
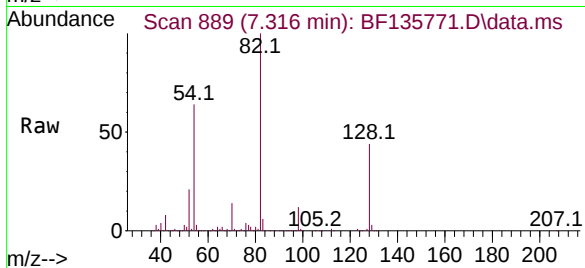
Tgt Ion: 82 Resp: 911678

Ion Ratio Lower Upper

82 100

128 43.6 37.0 55.6

54 64.4 52.8 79.2



#24

Nitrobenzene

Concen: 42.912 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

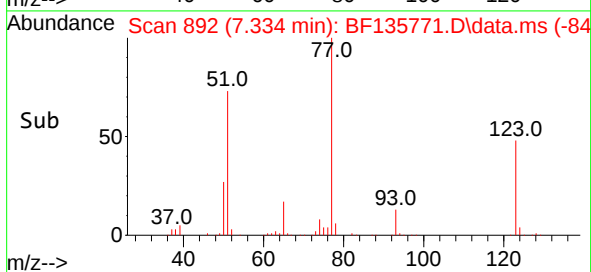
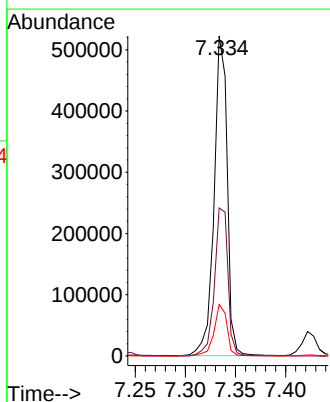
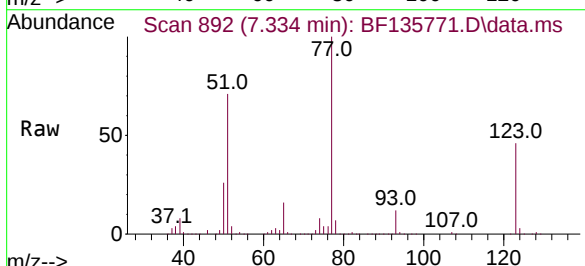
Tgt Ion: 77 Resp: 474849

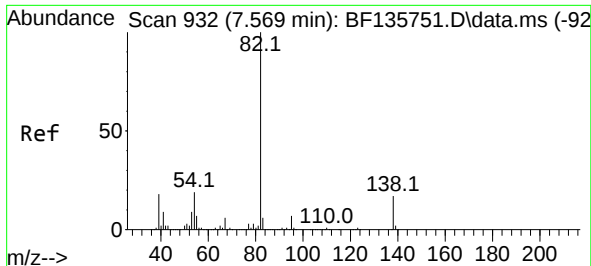
Ion Ratio Lower Upper

77 100

123 46.2 37.3 55.9

65 16.1 12.6 18.8

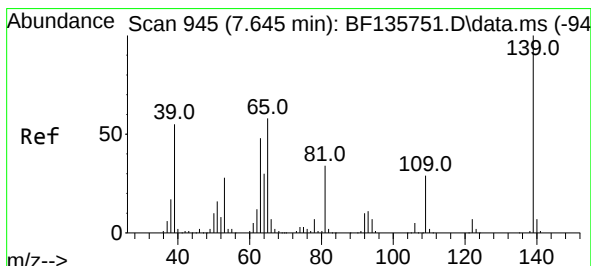
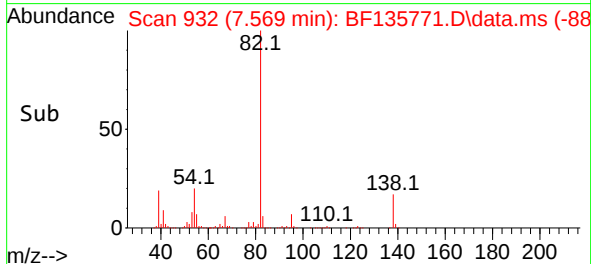
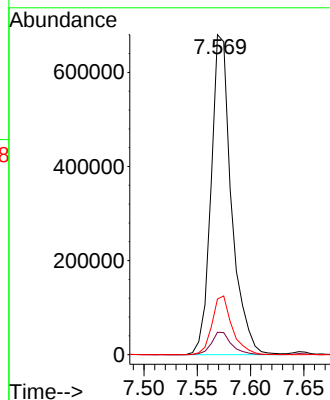
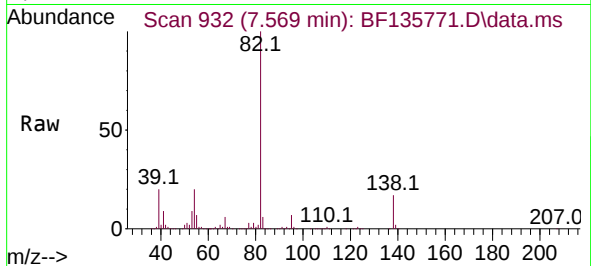




#25  
Isophorone  
Concen: 43.596 ng  
RT: 7.569 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

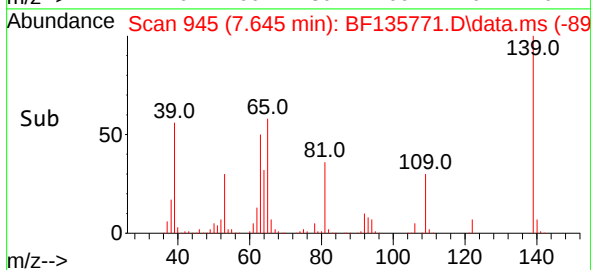
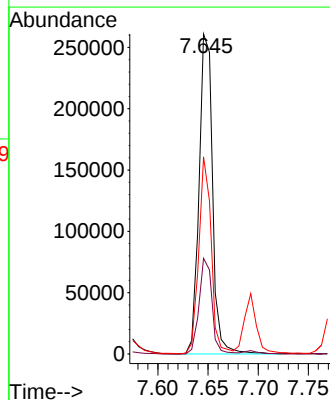
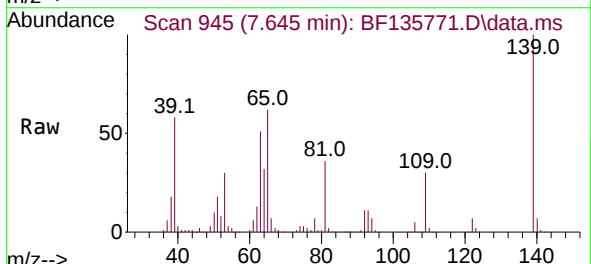
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

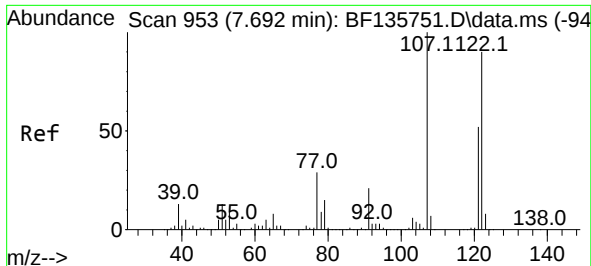
Tgt Ion: 82 Resp: 906823  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.5 8.3  
138 17.4 13.9 20.9



#26  
2-Nitrophenol  
Concen: 45.428 ng  
RT: 7.645 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion: 139 Resp: 245324  
Ion Ratio Lower Upper  
139 100  
109 29.9 23.0 34.4  
65 61.6 46.0 69.0

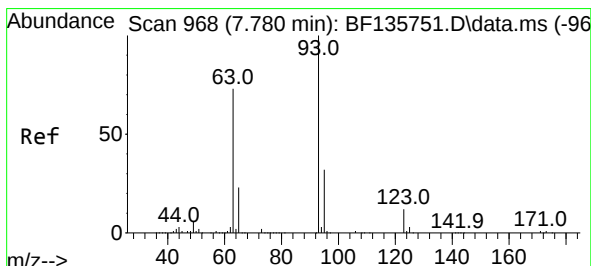
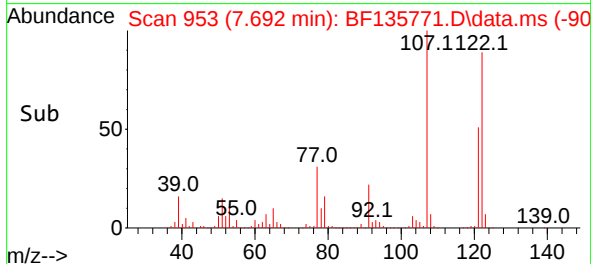
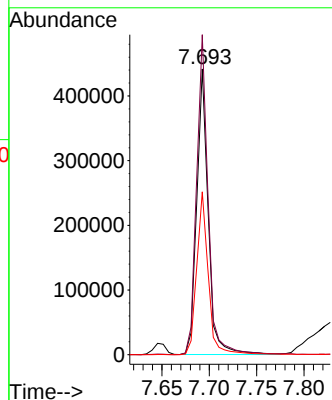
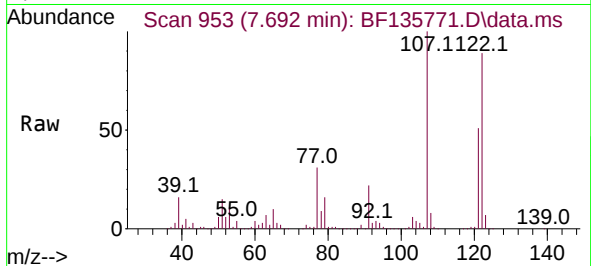




#27  
2,4-Dimethylphenol  
Concen: 41.945 ng  
RT: 7.692 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

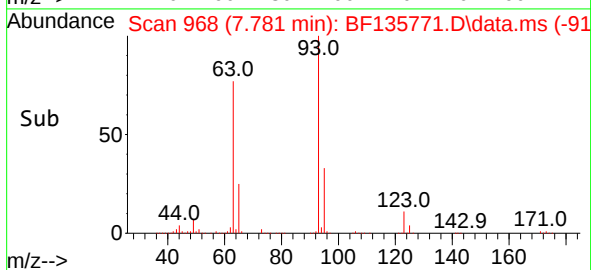
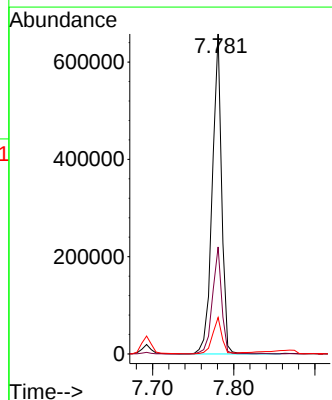
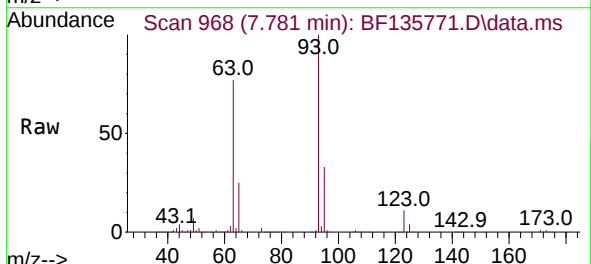
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

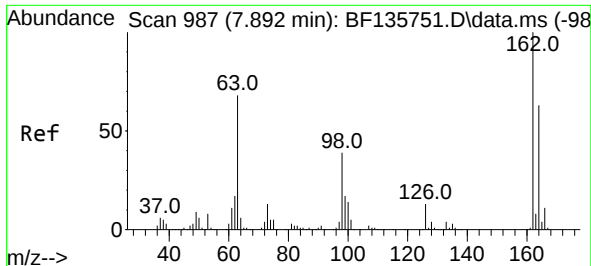
Tgt Ion:122 Resp: 372890  
Ion Ratio Lower Upper  
122 100  
107 112.0 88.2 132.4  
121 57.0 45.5 68.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.457 ng  
RT: 7.781 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion: 93 Resp: 525938  
Ion Ratio Lower Upper  
93 100  
95 33.4 25.7 38.5  
123 11.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 44.331 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

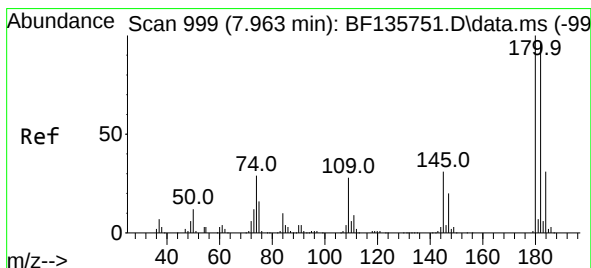
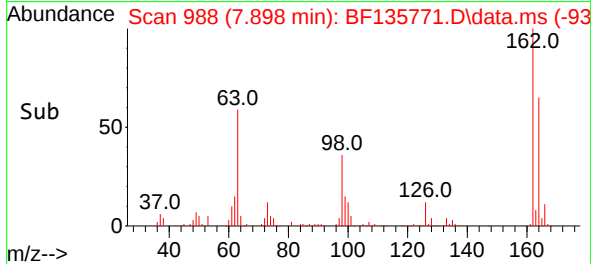
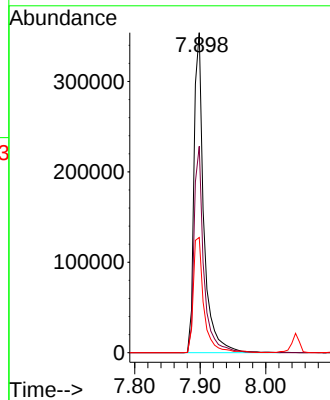
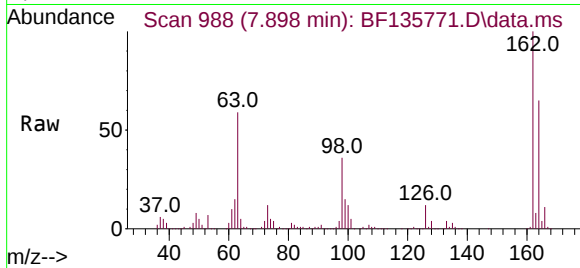
Tgt Ion:162 Resp: 369329

Ion Ratio Lower Upper

162 100

164 64.5 43.4 83.4

98 36.0 19.0 59.0



#30

1,2,4-Trichlorobenzene

Concen: 42.293 ng

RT: 7.969 min Scan# 1000

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

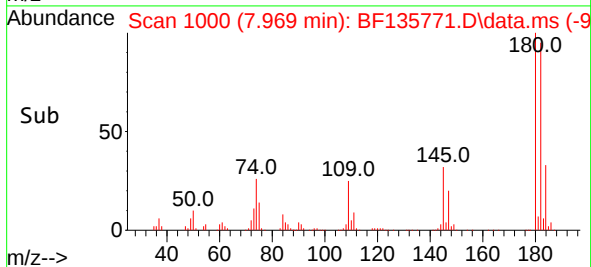
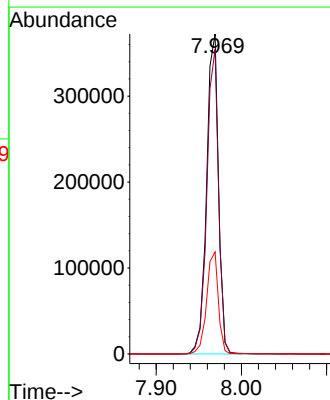
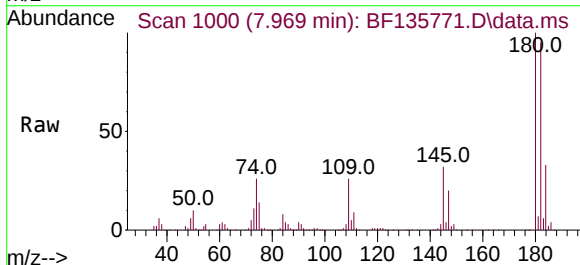
Tgt Ion:180 Resp: 360372

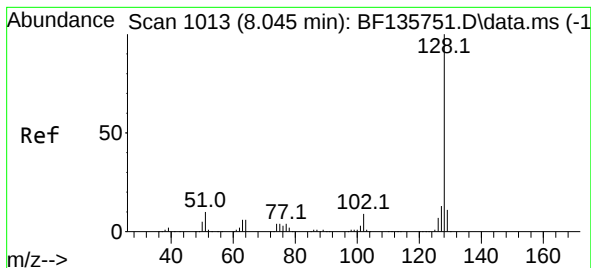
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 31.9 25.0 37.6





#31

Naphthalene

Concen: 40.204 ng

RT: 8.045 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

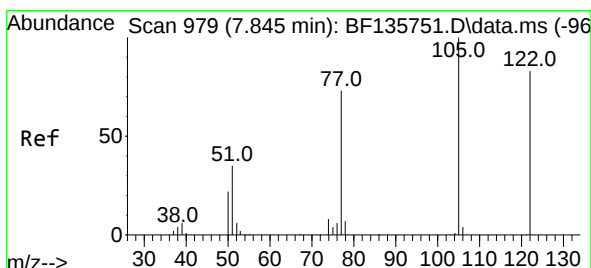
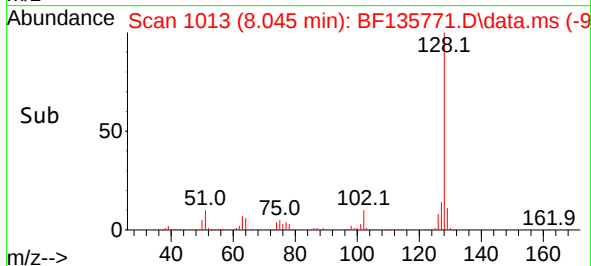
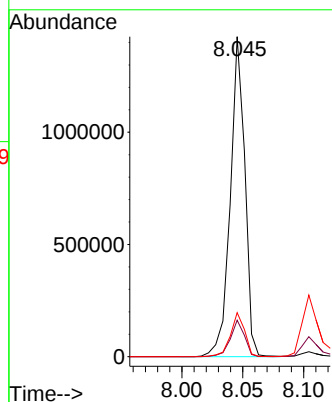
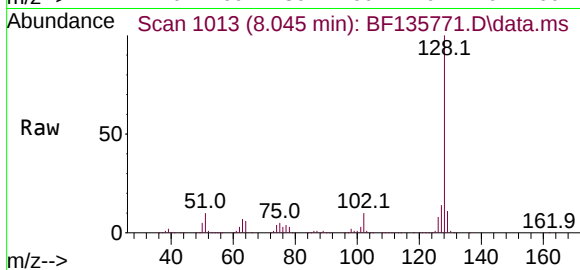
Tgt Ion:128 Resp: 1189139

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 13.7 10.2 15.4



#32

Benzoic acid

Concen: 50.186 ng

RT: 7.869 min Scan# 983

Delta R.T. 0.018 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

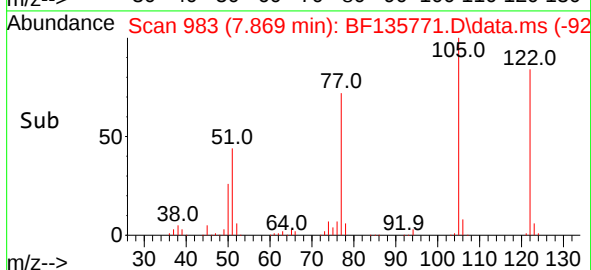
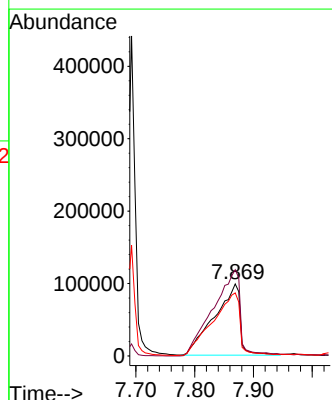
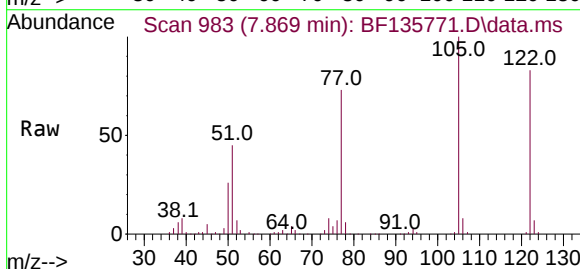
Tgt Ion:122 Resp: 302001

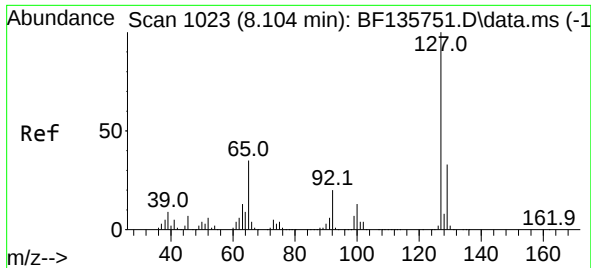
Ion Ratio Lower Upper

122 100

105 119.9 98.7 138.7

77 87.6 67.8 107.8

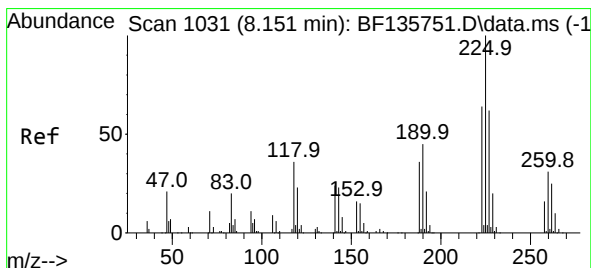
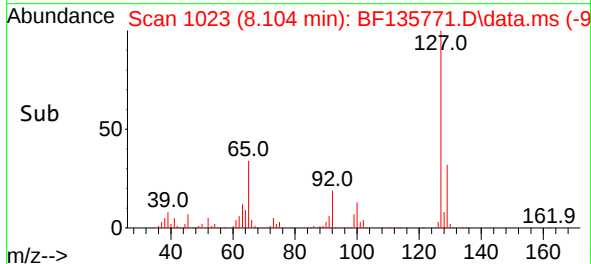
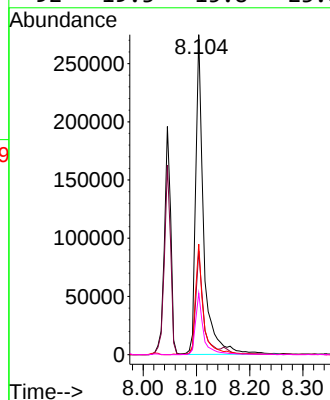
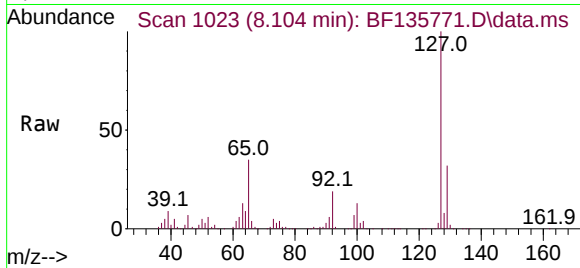




#33  
4-Chloroaniline  
Concen: 22.328 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

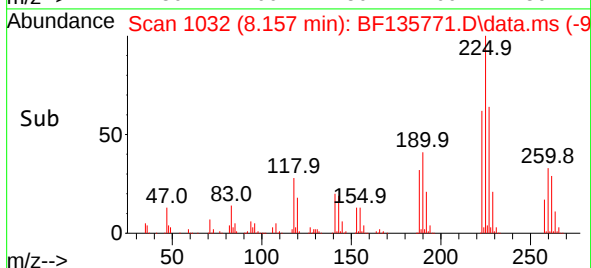
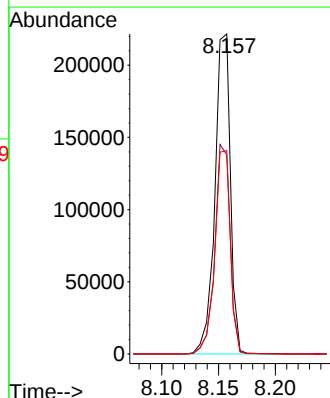
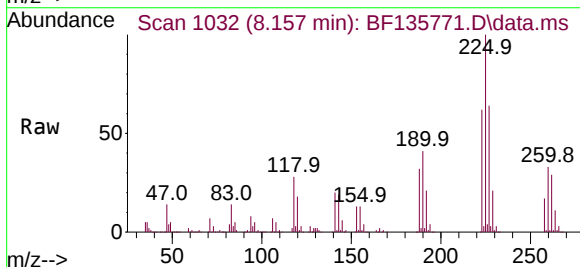
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

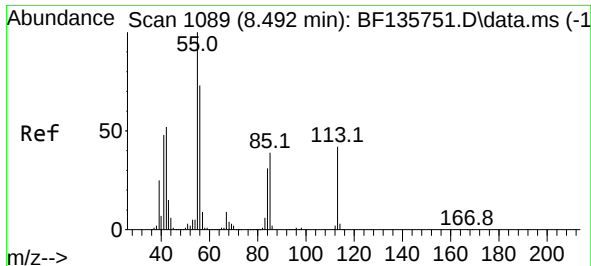
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 288492 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.4  | 26.5  | 39.7   |
| 65       | 34.5  | 27.9  | 41.9   |
| 92       | 19.3  | 15.8  | 23.8   |



#34  
Hexachlorobutadiene  
Concen: 41.742 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 210533 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.2  | 51.1  | 76.7   |
| 227      | 63.5  | 49.7  | 74.5   |

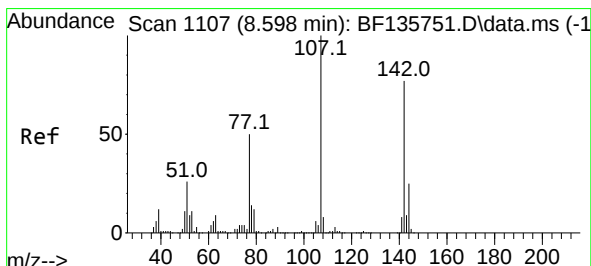
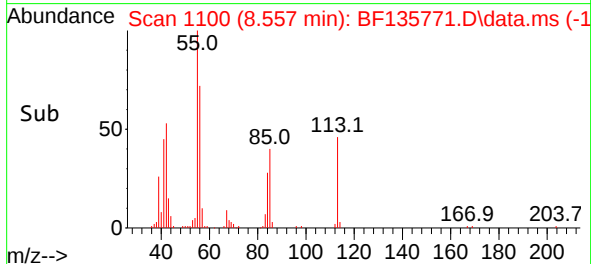
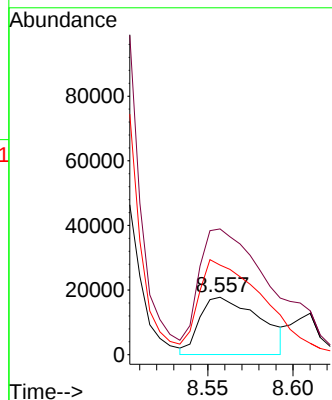
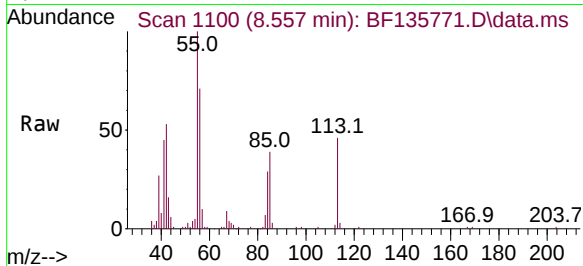




#35  
Caprolactam  
Concen: 15.210 ng  
RT: 8.557 min Scan# 1100  
Delta R.T. 0.059 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

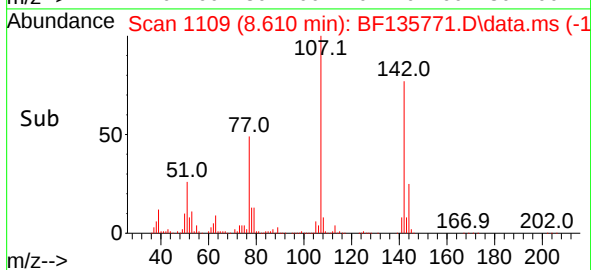
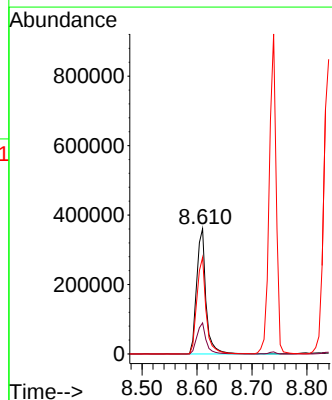
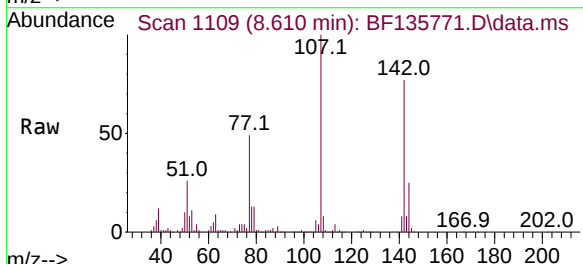
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

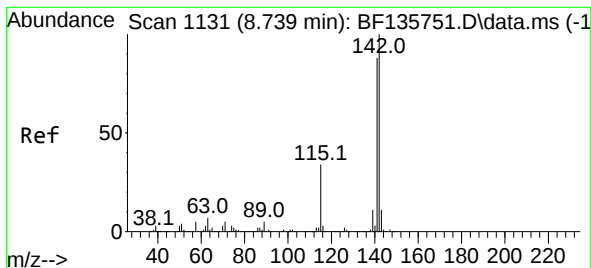
Tgt Ion:113 Resp: 43319  
Ion Ratio Lower Upper  
113 100  
55 218.7 217.4 257.4  
56 155.7 153.1 193.1



#36  
4-Chloro-3-methylphenol  
Concen: 45.837 ng  
RT: 8.610 min Scan# 1109  
Delta R.T. 0.012 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:107 Resp: 423491  
Ion Ratio Lower Upper  
107 100  
144 24.8 19.8 29.8  
142 76.9 61.3 91.9





#37

2-Methylnaphthalene

Concen: 40.952 ng

RT: 8.739 min Scan# 1131

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

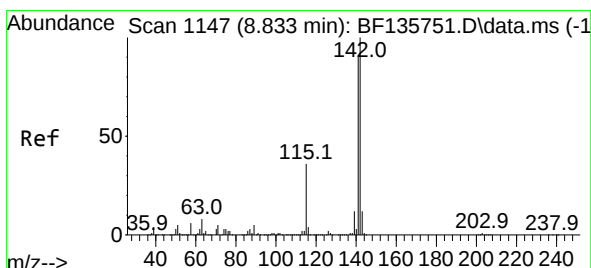
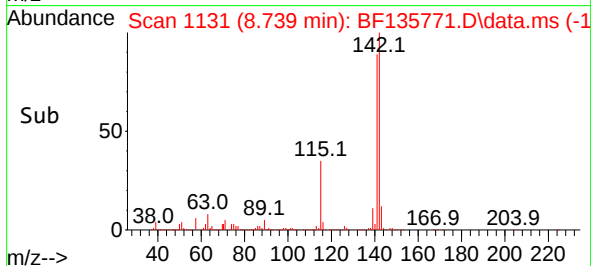
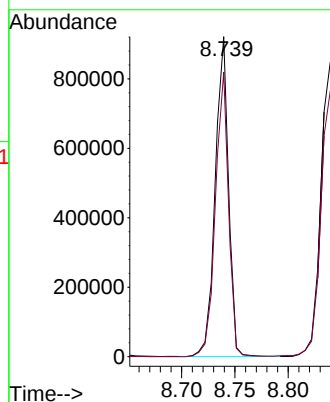
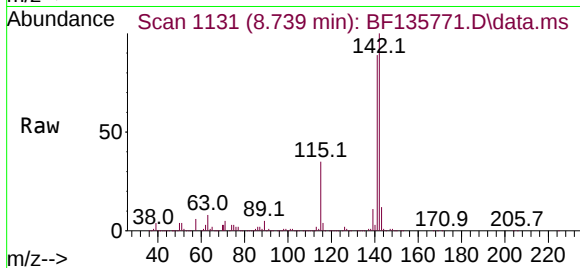
PB156184BSD

Tgt Ion:142 Resp: 798055

Ion Ratio Lower Upper

142 100

141 89.0 70.6 105.8



#38

1-Methylnaphthalene

Concen: 41.815 ng

RT: 8.839 min Scan# 1148

Delta R.T. -0.000 min

Lab File: BF135771.D

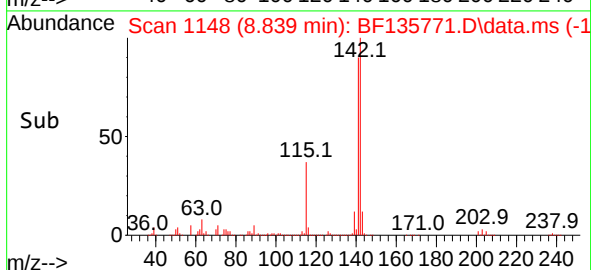
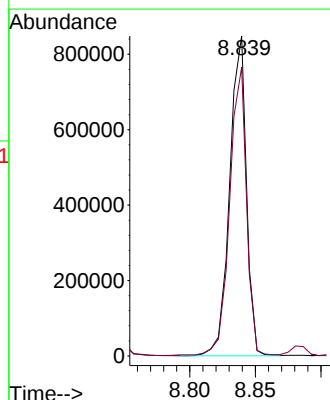
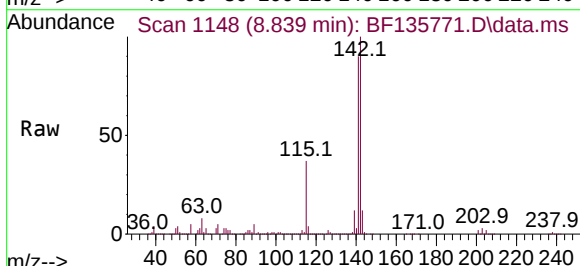
Acq: 16 Oct 2023 12:07

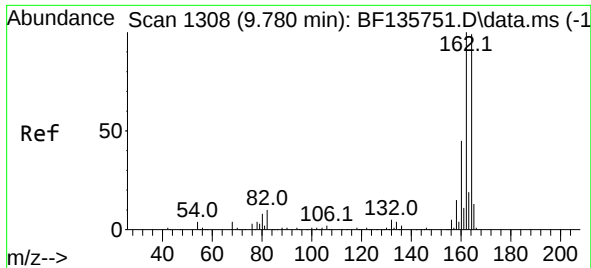
Tgt Ion:142 Resp: 751581

Ion Ratio Lower Upper

142 100

141 90.3 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1160

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

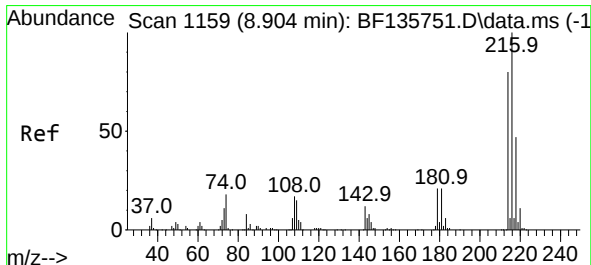
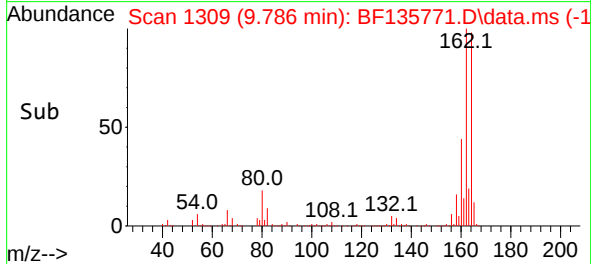
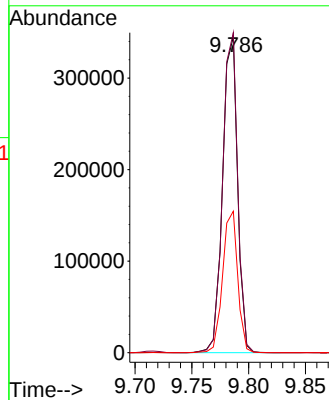
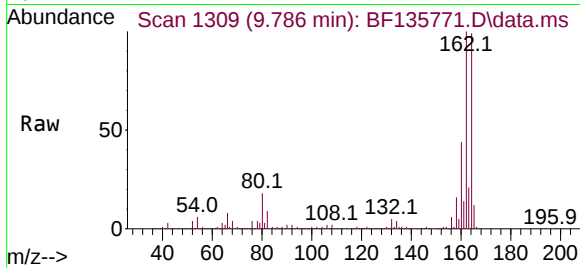
Tgt Ion:164 Resp: 317965

Ion Ratio Lower Upper

164 100

162 101.4 80.8 121.2

160 44.8 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.561 ng

RT: 8.910 min Scan# 1160

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Tgt Ion:216 Resp: 380135

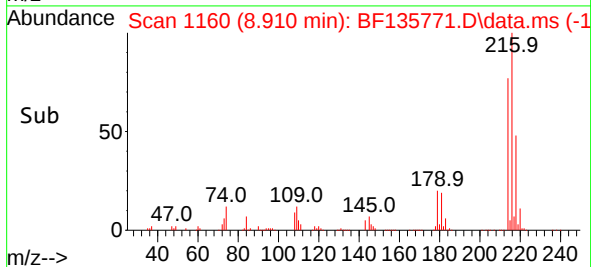
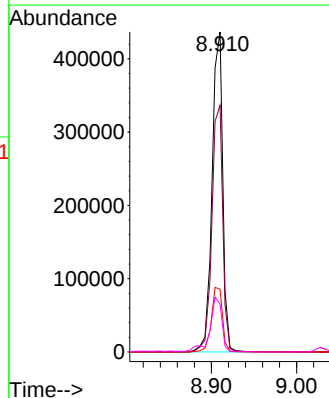
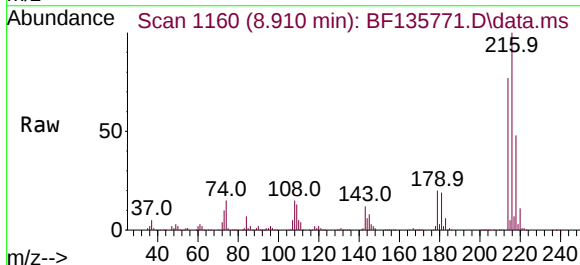
Ion Ratio Lower Upper

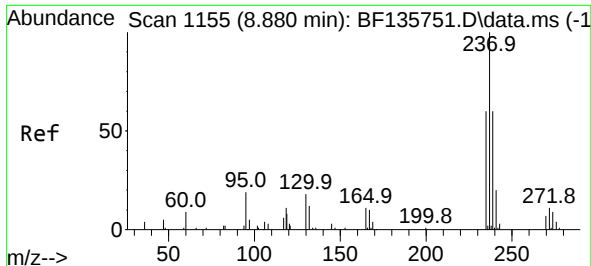
216 100

214 78.7 64.0 96.0

179 20.9 16.9 25.3

108 19.1 14.4 21.6

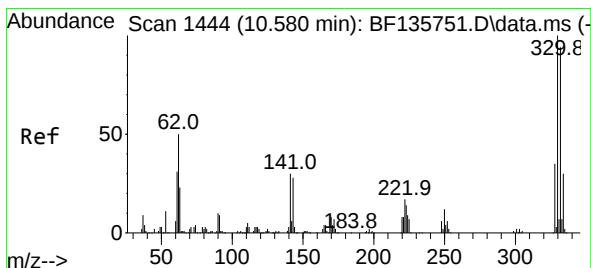
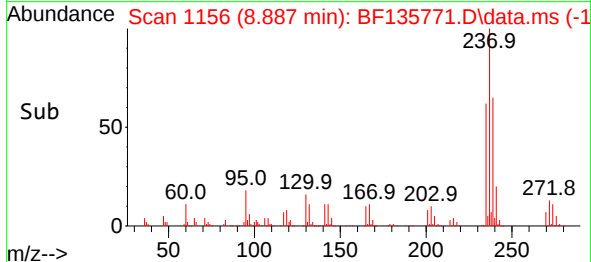
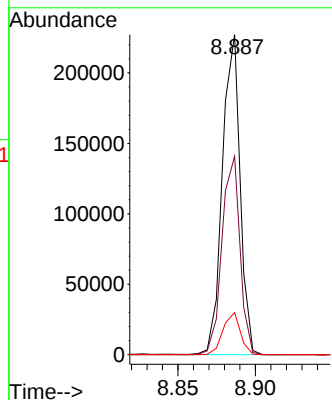
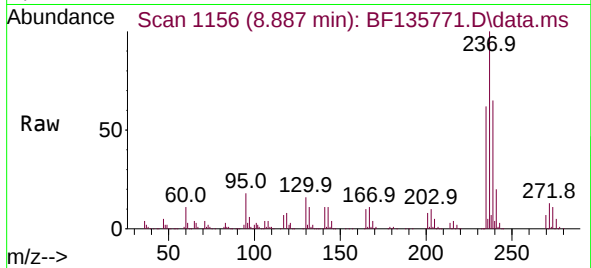




#41  
Hexachlorocyclopentadiene  
Concen: 87.869 ng  
RT: 8.887 min Scan# 1156  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

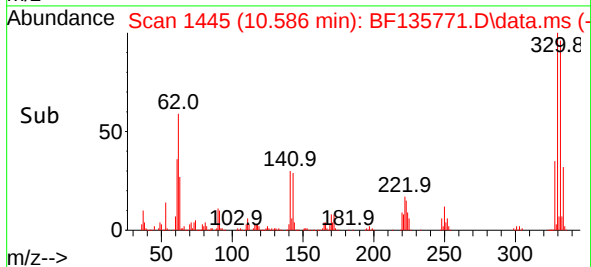
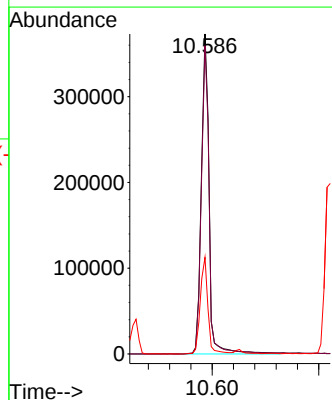
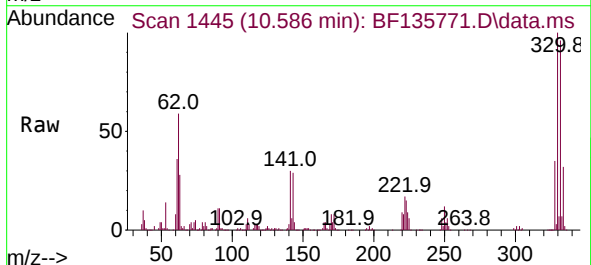
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

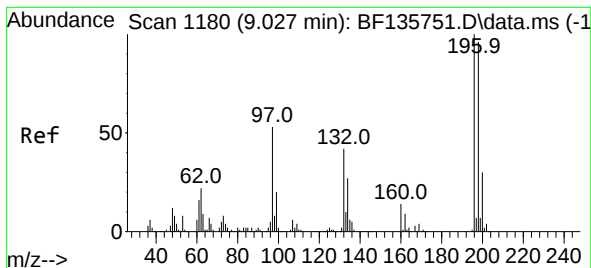
Tgt Ion:237 Resp: 181058  
Ion Ratio Lower Upper  
237 100  
235 62.0 40.0 80.0  
272 13.2 0.0 30.9



#42  
2,4,6-Tribromophenol  
Concen: 123.519 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:330 Resp: 376874  
Ion Ratio Lower Upper  
330 100  
332 95.8 75.0 112.4  
141 29.9 25.8 38.6





#43

2,4,6-Trichlorophenol

Concen: 44.048 ng

RT: 9.028 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

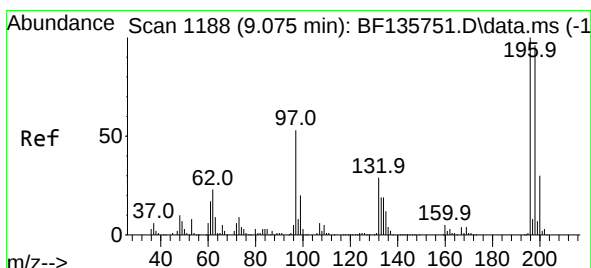
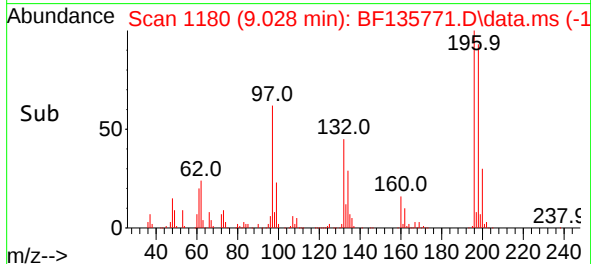
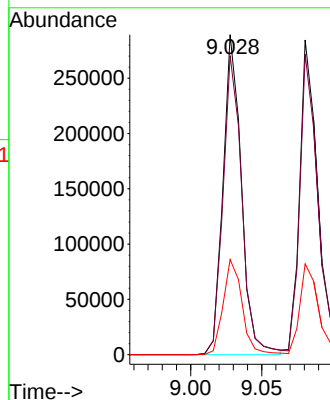
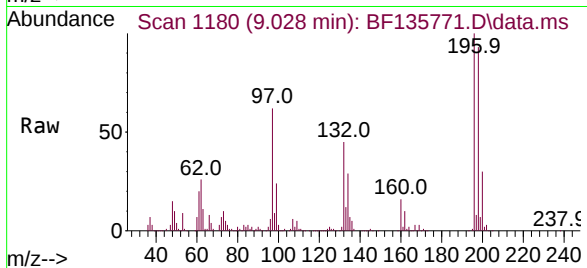
Tgt Ion:196 Resp: 259617

Ion Ratio Lower Upper

196 100

198 93.4 76.7 115.1

200 29.8 24.2 36.4



#44

2,4,5-Trichlorophenol

Concen: 39.876 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Tgt Ion:196 Resp: 273360

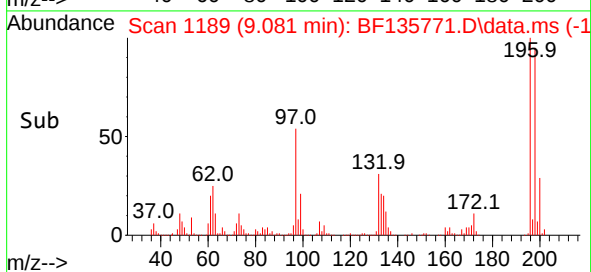
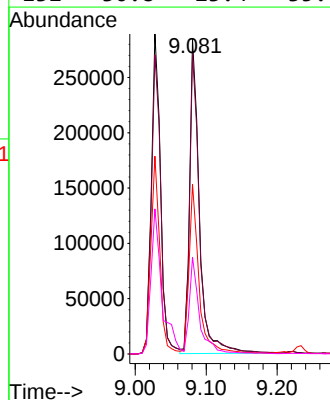
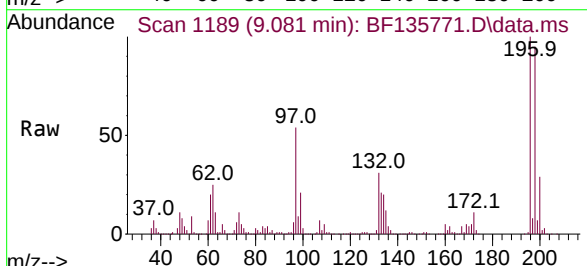
Ion Ratio Lower Upper

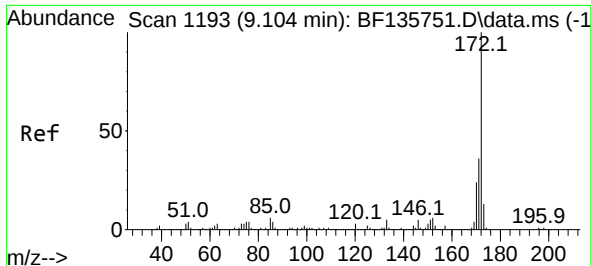
196 100

198 95.4 77.0 115.6

97 54.0 42.2 63.2

132 30.8 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 75.044 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

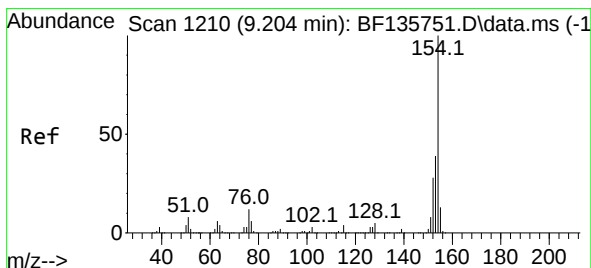
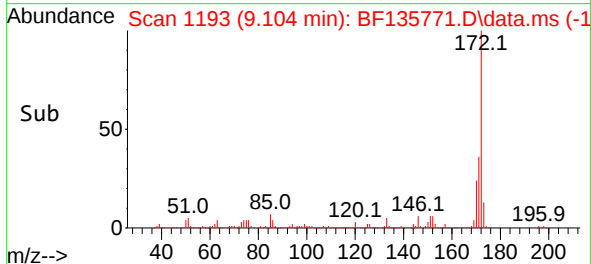
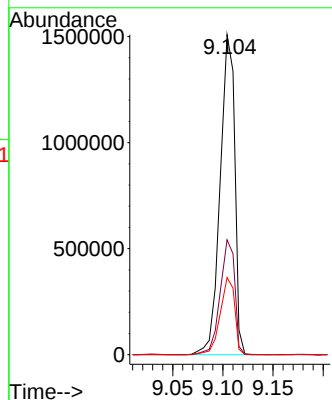
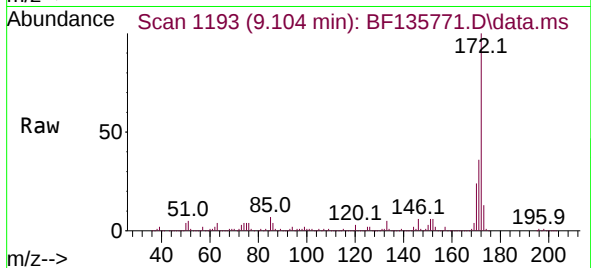
Tgt Ion:172 Resp: 1526141

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 24.1 18.8 28.2



#46

1,1'-Biphenyl

Concen: 41.076 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.006 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

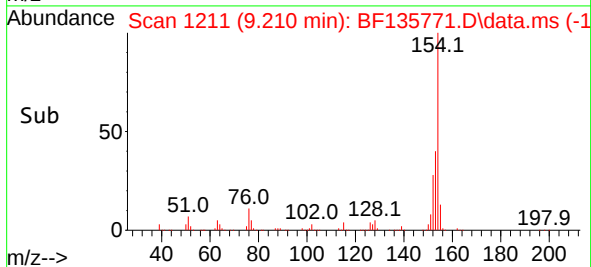
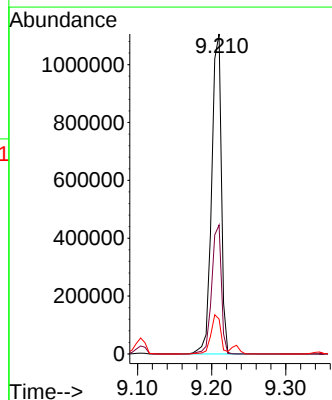
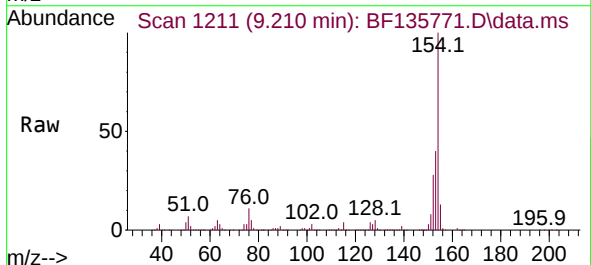
Tgt Ion:154 Resp: 1000476

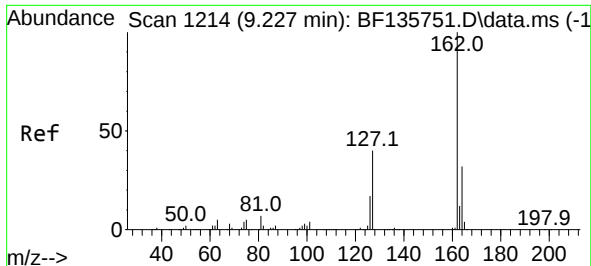
Ion Ratio Lower Upper

154 100

153 40.3 19.4 59.4

76 10.9 0.0 31.7





#47

2-Chloronaphthalene

Concen: 42.351 ng

RT: 9.234 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

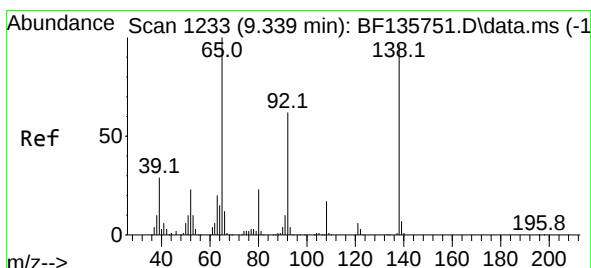
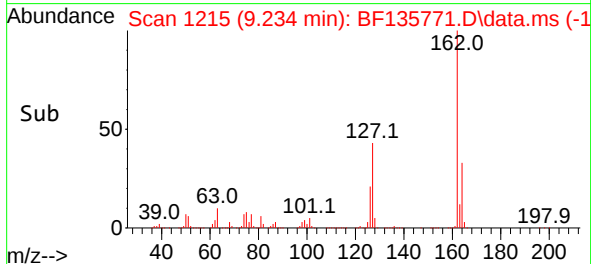
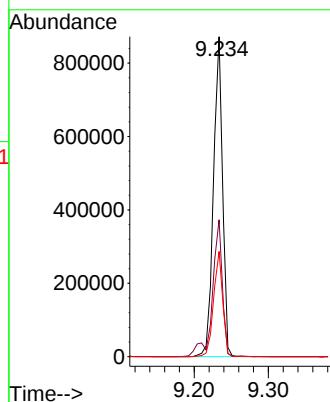
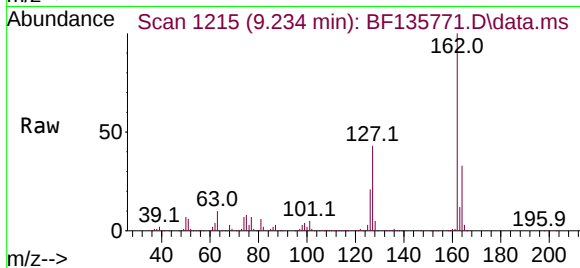
Tgt Ion:162 Resp: 743412

Ion Ratio Lower Upper

162 100

127 42.8 34.7 52.1

164 32.9 25.6 38.4



#48

2-Nitroaniline

Concen: 42.668 ng

RT: 9.345 min Scan# 1234

Delta R.T. 0.006 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

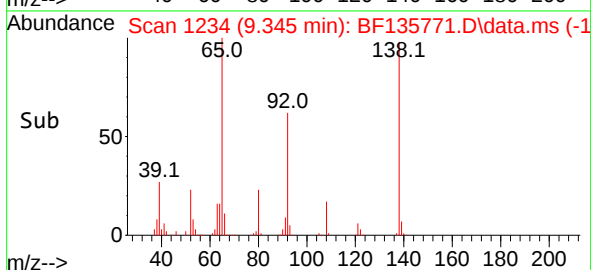
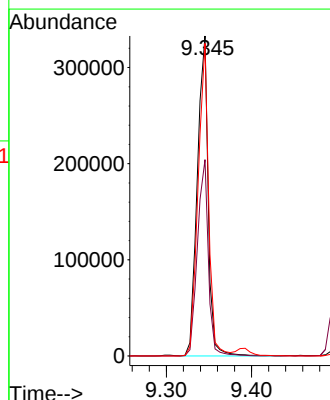
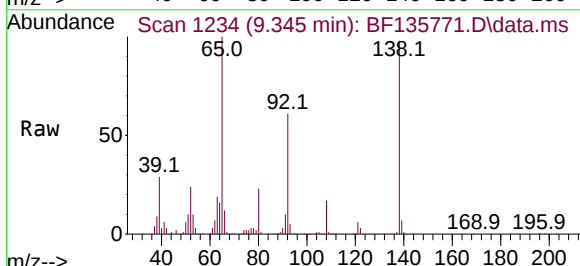
Tgt Ion: 65 Resp: 295639

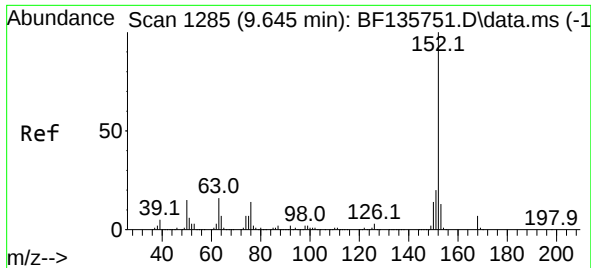
Ion Ratio Lower Upper

65 100

92 61.4 49.4 74.0

138 97.7 76.6 114.8





#49

Acenaphthylene

Concen: 40.767 ng

RT: 9.645 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

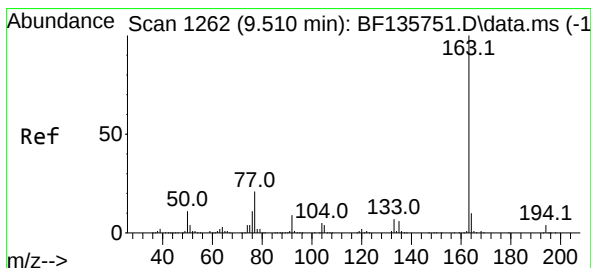
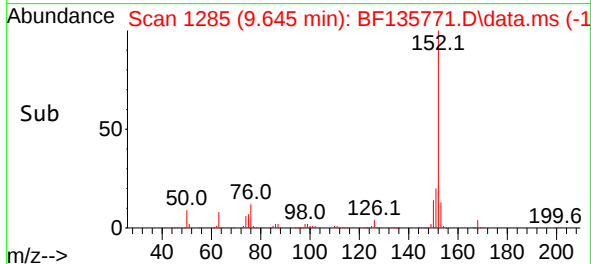
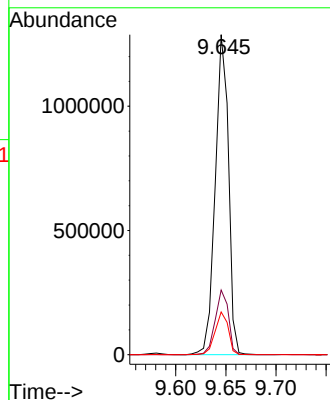
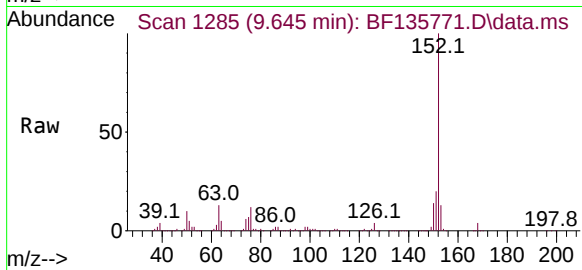
Tgt Ion:152 Resp: 1184255

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.4 10.2 15.4



#50

Dimethylphthalate

Concen: 42.312 ng

RT: 9.516 min Scan# 1263

Delta R.T. 0.006 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

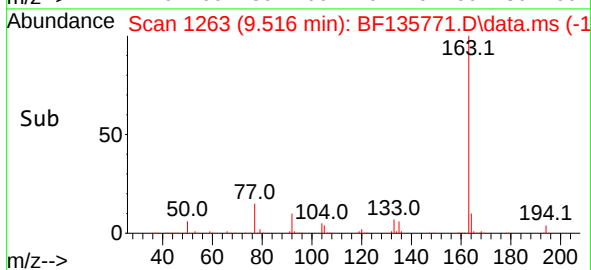
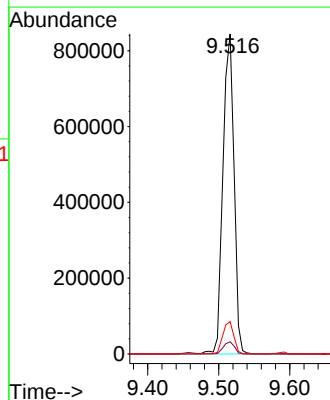
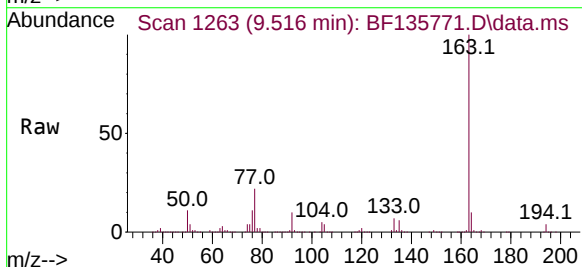
Tgt Ion:163 Resp: 908213

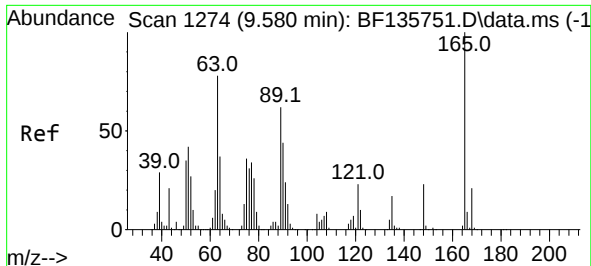
Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

164 10.1 7.9 11.9

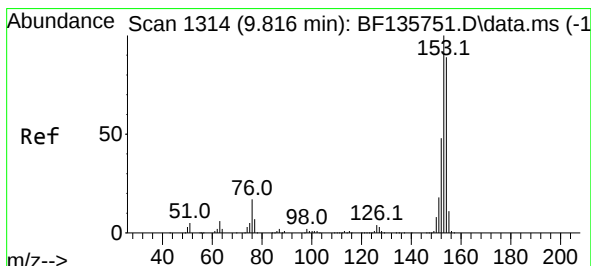
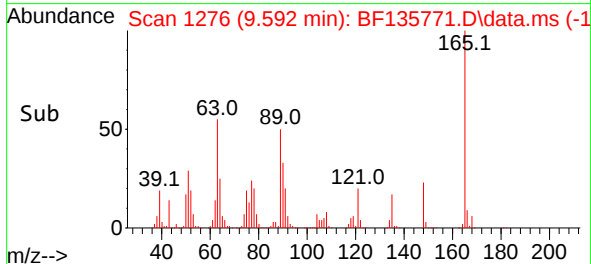
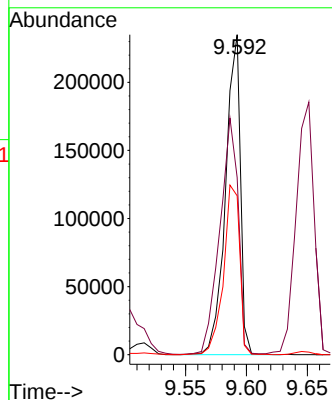
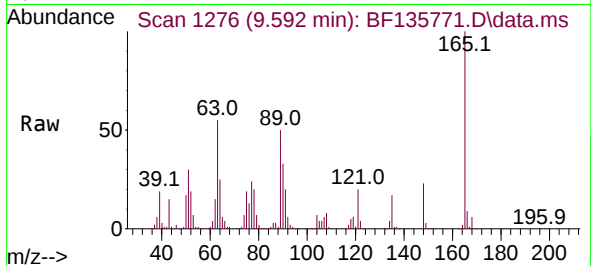




#51  
2,6-Dinitrotoluene  
Concen: 43.172 ng  
RT: 9.592 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

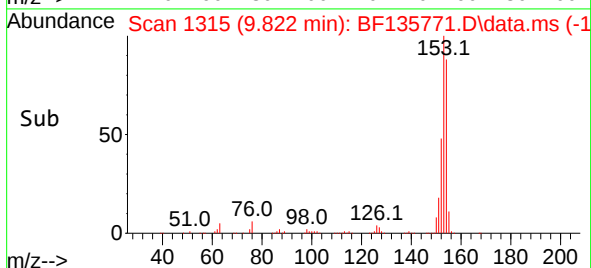
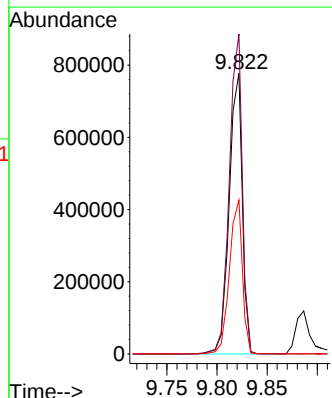
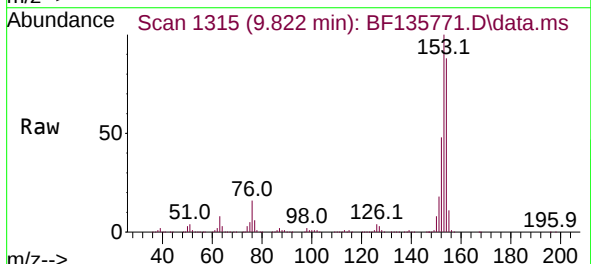
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

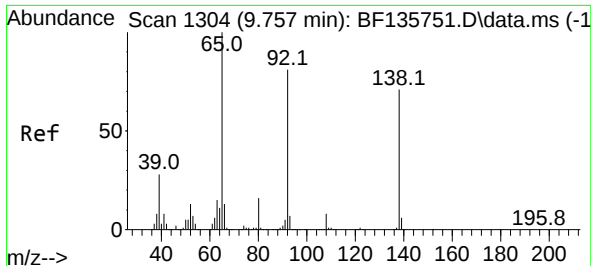
Tgt Ion:165 Resp: 199275  
Ion Ratio Lower Upper  
165 100  
63 55.4 62.2 93.4#  
89 49.7 49.6 74.4



#52  
Acenaphthene  
Concen: 40.492 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:154 Resp: 705034  
Ion Ratio Lower Upper  
154 100  
153 114.0 90.1 135.1  
152 54.8 43.1 64.7

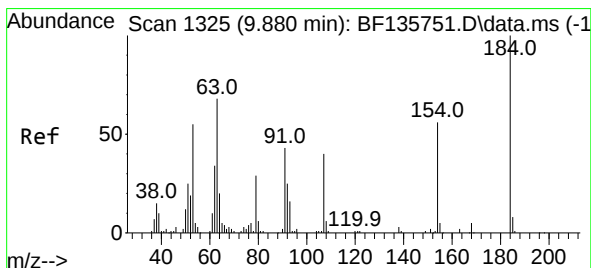
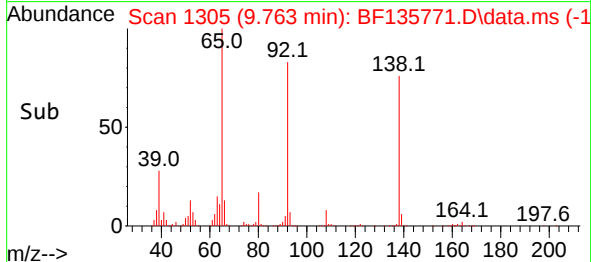
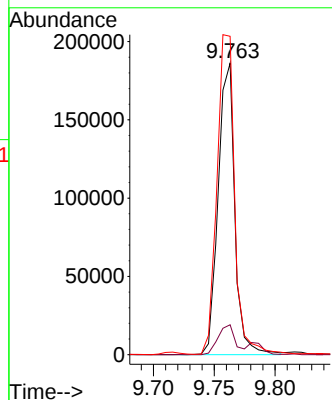
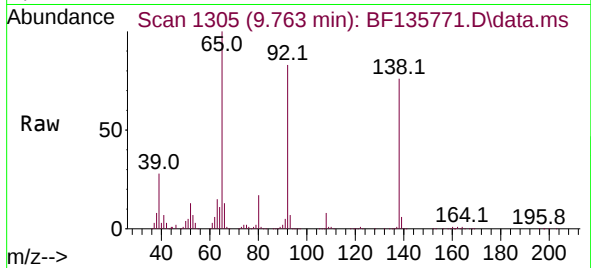




#53  
3-Nitroaniline  
Concen: 31.413 ng  
RT: 9.763 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

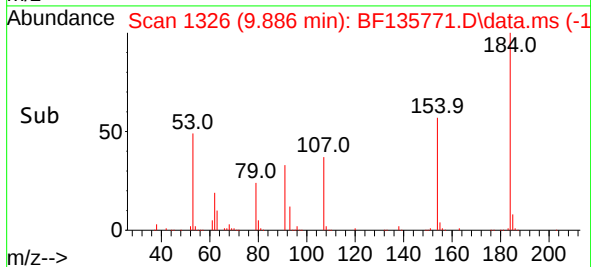
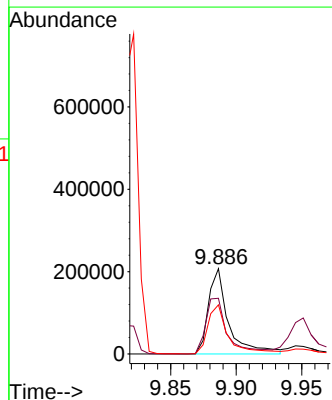
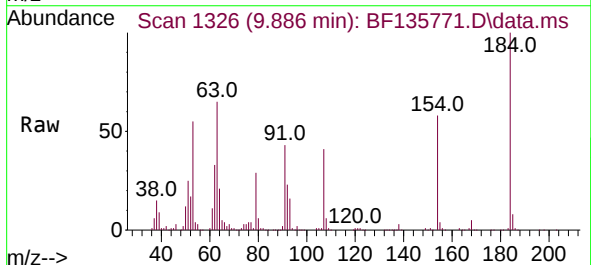
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

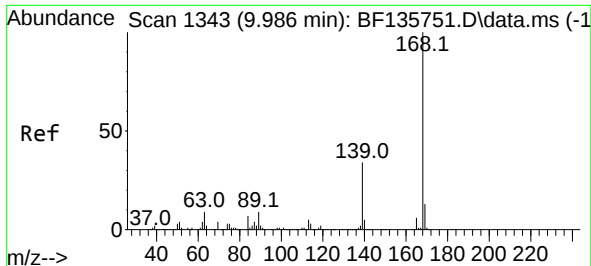
Tgt Ion:138 Resp: 177748  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.6 13.0  
92 109.2 91.3 136.9



#54  
2,4-Dinitrophenol  
Concen: 114.727 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:184 Resp: 221057  
Ion Ratio Lower Upper  
184 100  
63 65.2 54.6 81.8  
154 57.6 45.0 67.4

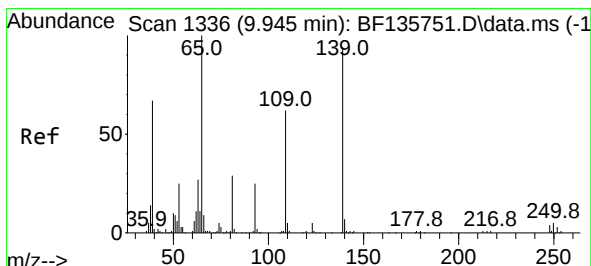
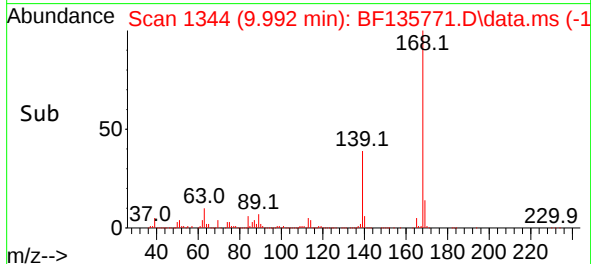
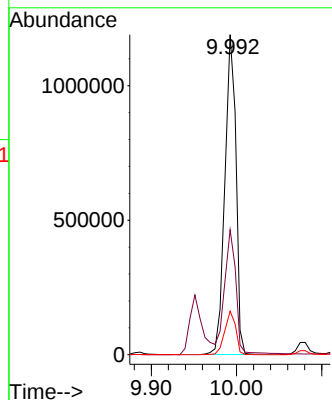
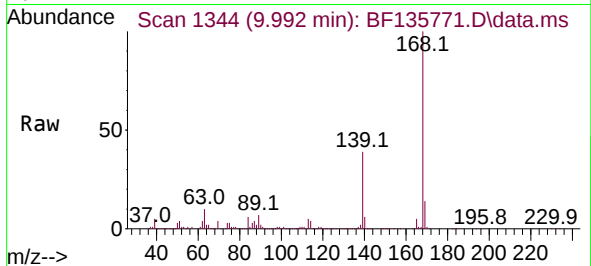




#55  
Dibenzenofuran  
Concen: 40.920 ng  
RT: 9.992 min Scan# 1344  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

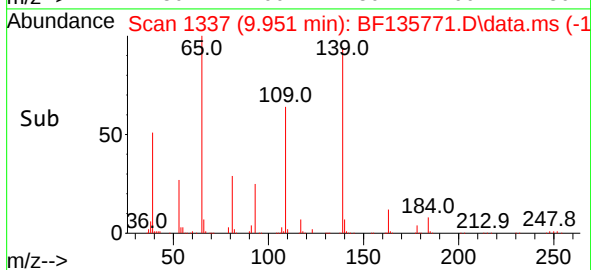
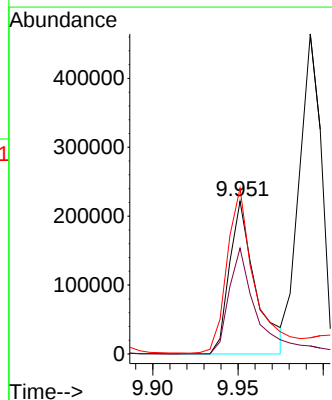
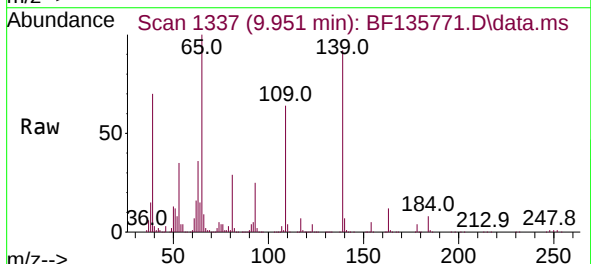
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

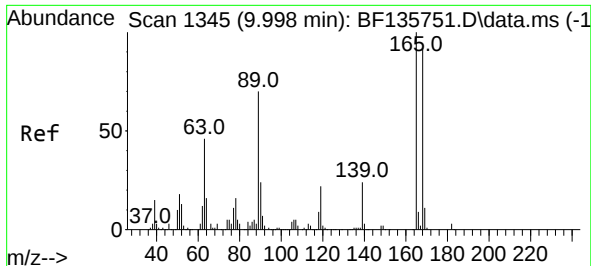
Tgt Ion:168 Resp: 1075054  
Ion Ratio Lower Upper  
168 100  
139 39.0 31.0 46.4  
169 13.6 10.7 16.1



#56  
4-Nitrophenol  
Concen: 89.358 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:139 Resp: 233458  
Ion Ratio Lower Upper  
139 100  
109 69.2 45.6 85.6  
65 108.6 87.5 127.5





#57

2,4-Dinitrotoluene

Concen: 43.574 ng

RT: 10.004 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

Tgt Ion:165 Resp: 255883

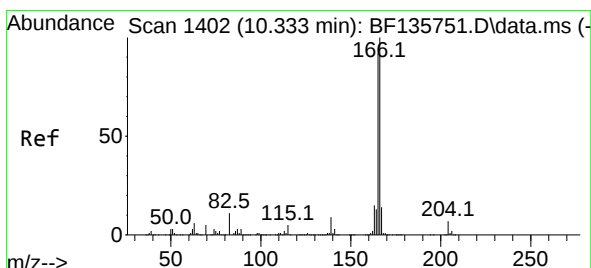
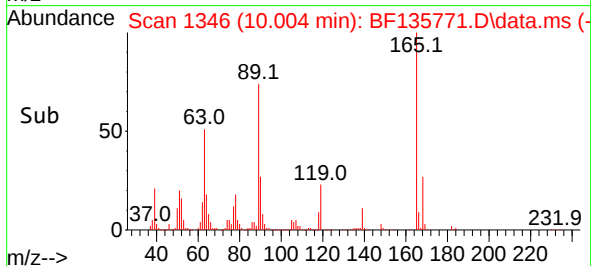
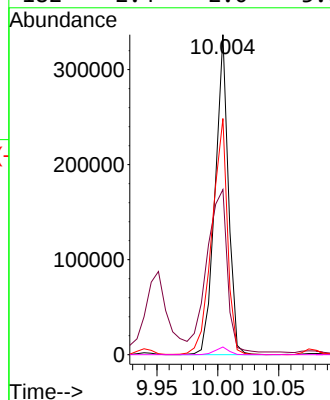
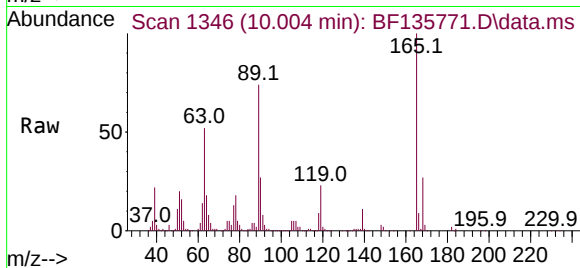
Ion Ratio Lower Upper

165 100

63 51.6 39.0 58.4

89 73.8 55.9 83.9

182 2.4 2.0 3.0



#58

Fluorene

Concen: 41.319 ng

RT: 10.339 min Scan# 1403

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

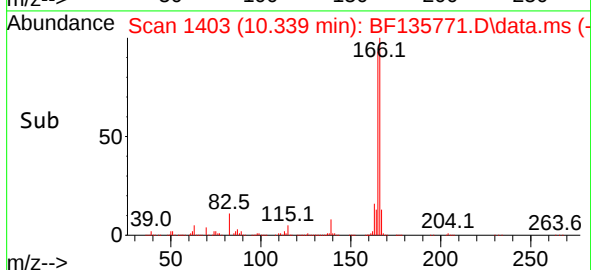
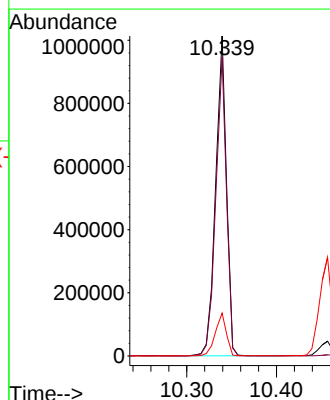
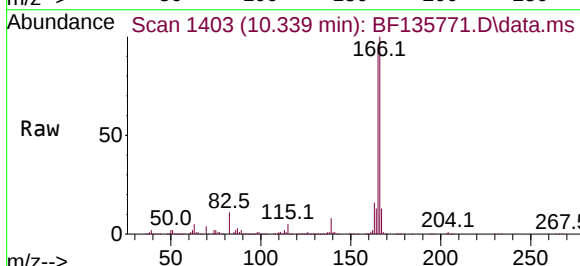
Tgt Ion:166 Resp: 849837

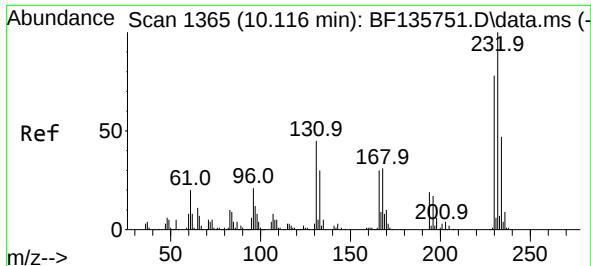
Ion Ratio Lower Upper

166 100

165 93.4 73.4 110.0

167 13.4 11.0 16.6

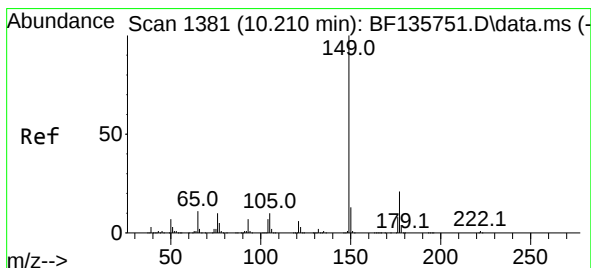
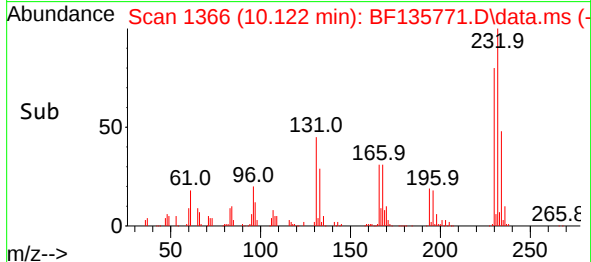
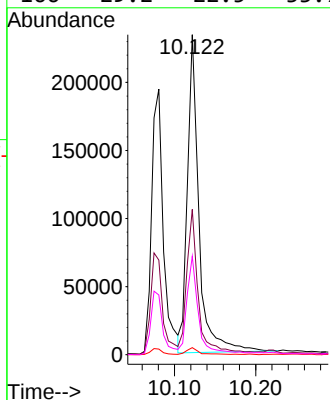
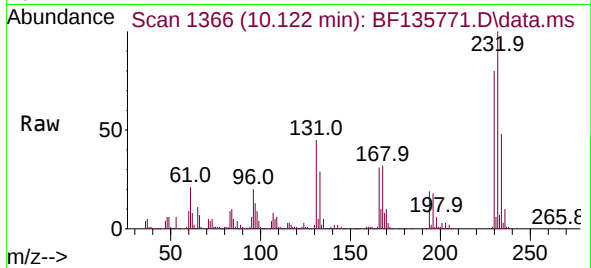




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.490 ng  
RT: 10.122 min Scan# 1366  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

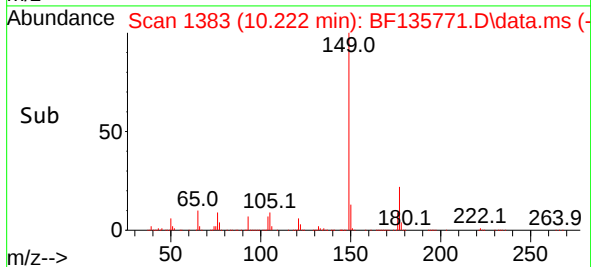
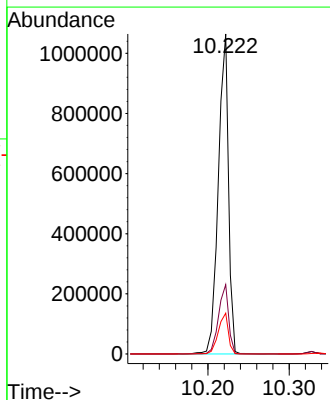
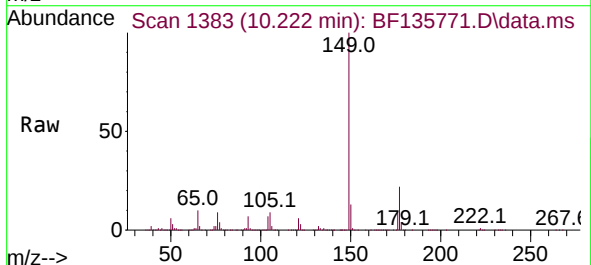
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

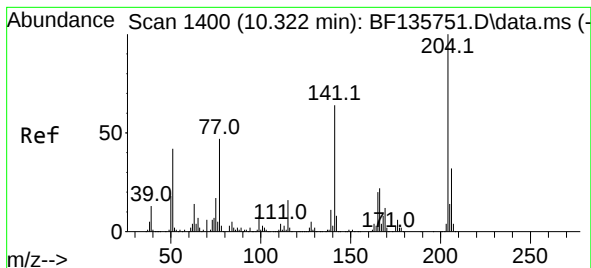
Tgt Ion:232 Resp: 230489  
Ion Ratio Lower Upper  
232 100  
131 43.2 35.8 53.6  
130 2.6 1.9 2.9  
166 29.2 22.5 33.7



#60  
Diethylphthalate  
Concen: 42.413 ng  
RT: 10.222 min Scan# 1383  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:149 Resp: 929396  
Ion Ratio Lower Upper  
149 100  
177 21.7 16.9 25.3  
150 12.7 10.2 15.2

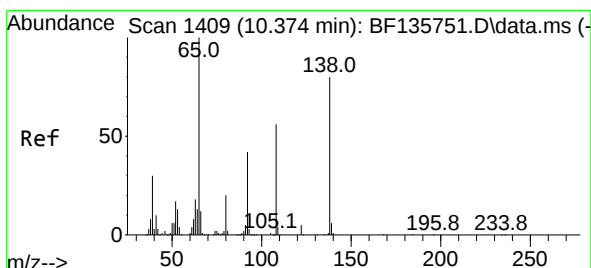
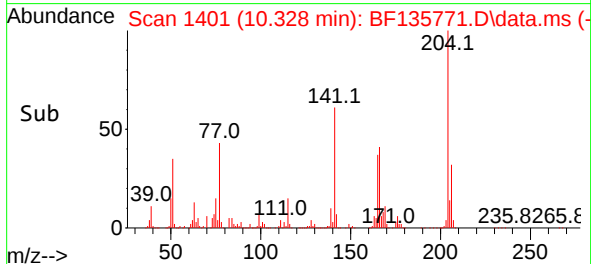
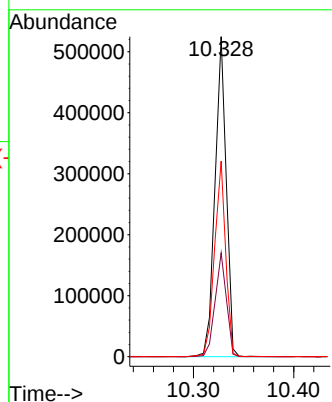
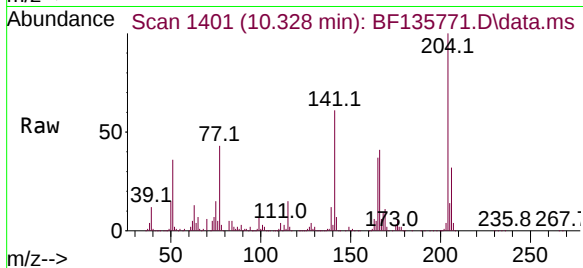




#61  
4-Chlorophenyl-phenylether  
Concen: 41.202 ng  
RT: 10.328 min Scan# 1410  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

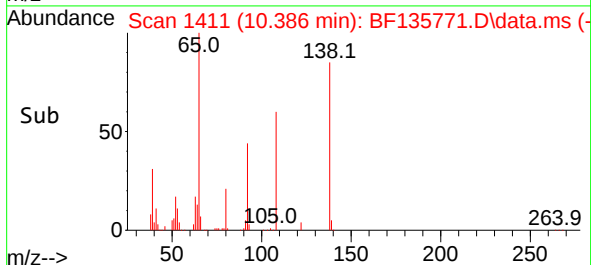
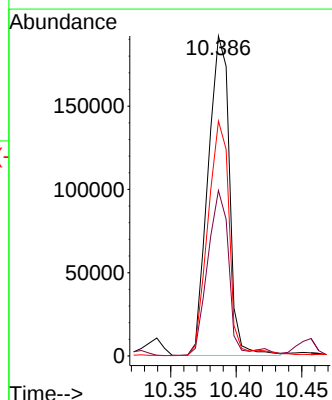
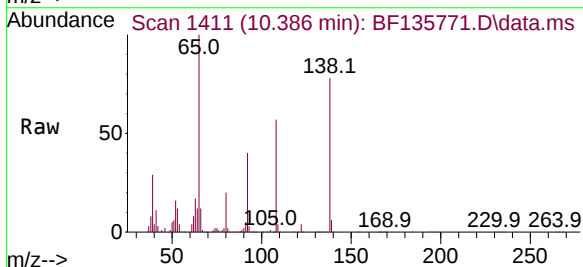
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

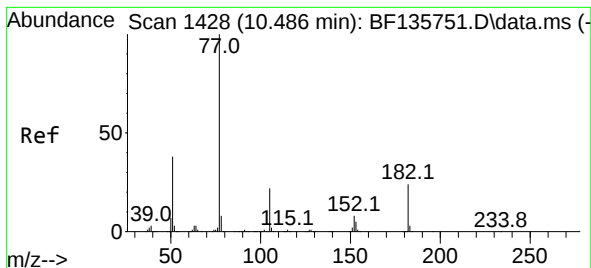
Tgt Ion:204 Resp: 409569  
Ion Ratio Lower Upper  
204 100  
206 32.4 25.8 38.6  
141 61.1 51.4 77.0



#62  
4-Nitroaniline  
Concen: 41.893 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:138 Resp: 218104  
Ion Ratio Lower Upper  
138 100  
92 51.7 31.9 71.9  
108 73.4 49.7 89.7





#63

Azobenzene

Concen: 42.576 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

Tgt Ion: 77 Resp: 906450

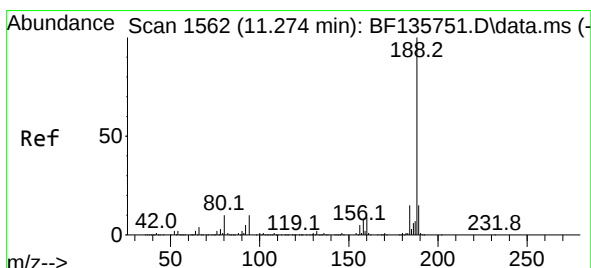
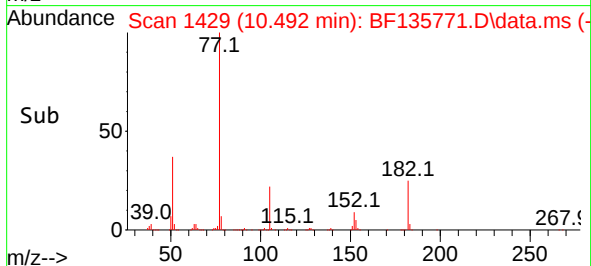
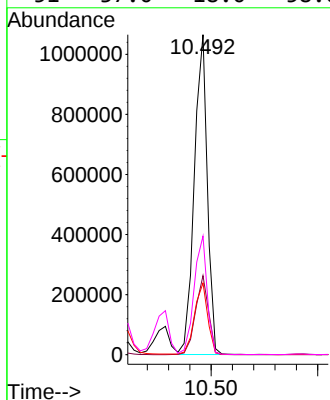
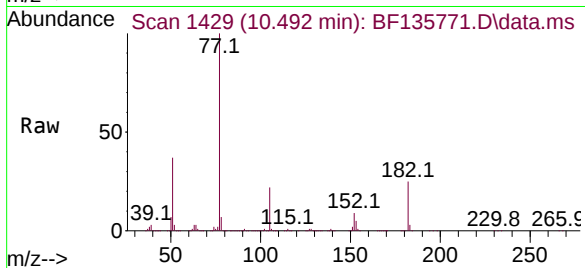
Ion Ratio Lower Upper

77 100

182 24.7 3.5 43.5

105 22.4 2.2 42.2

51 37.0 18.0 58.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.281 min Scan# 1563

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

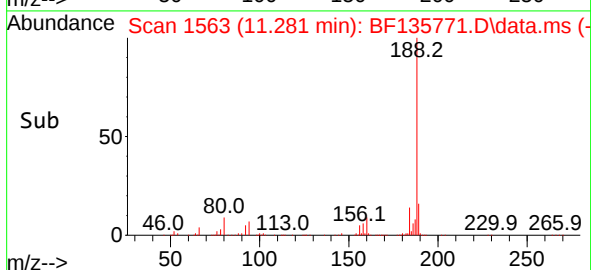
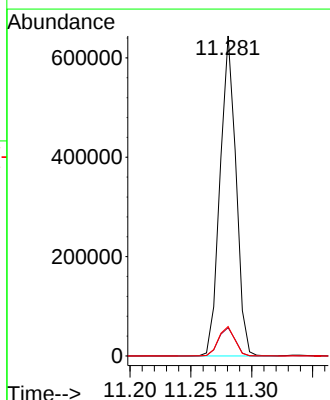
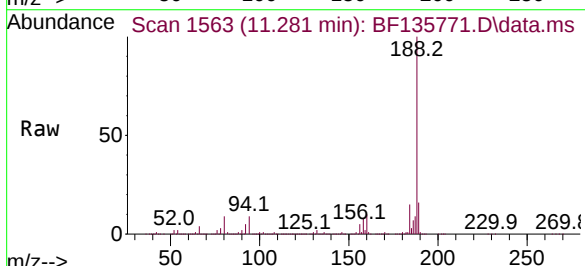
Tgt Ion: 188 Resp: 588350

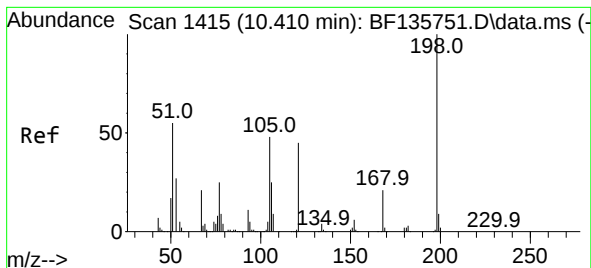
Ion Ratio Lower Upper

188 100

94 8.8 8.0 12.0

80 9.2 8.3 12.5

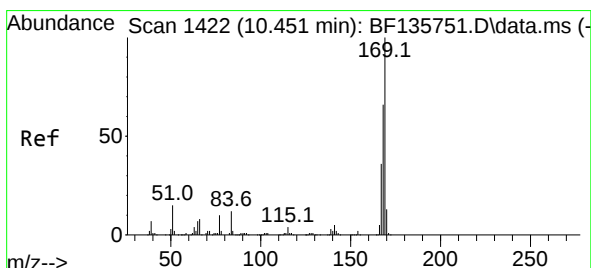
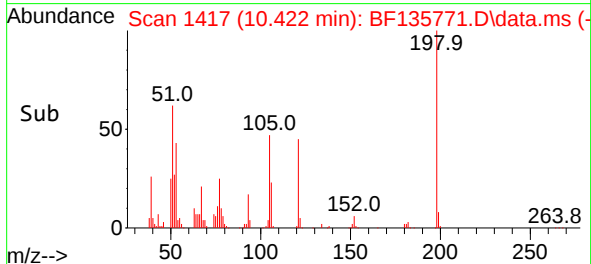
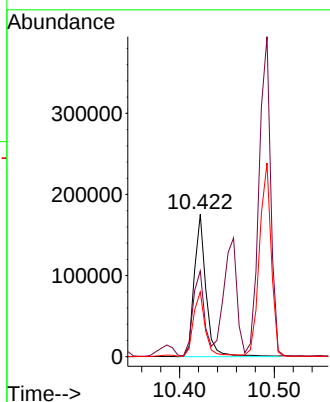
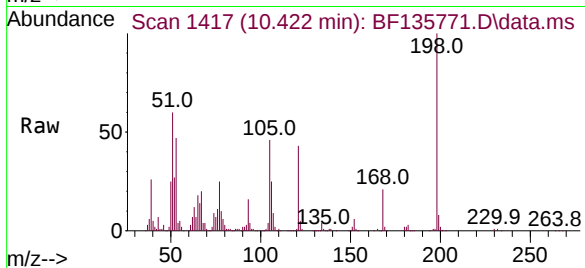




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.109 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

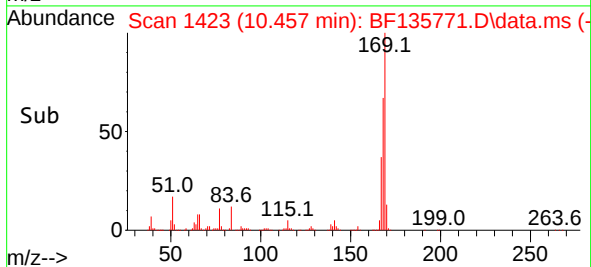
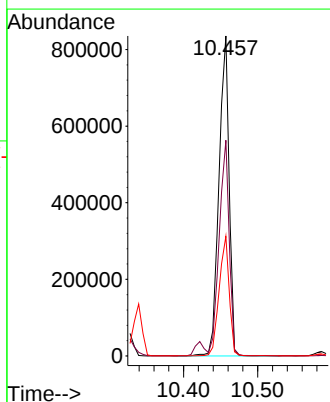
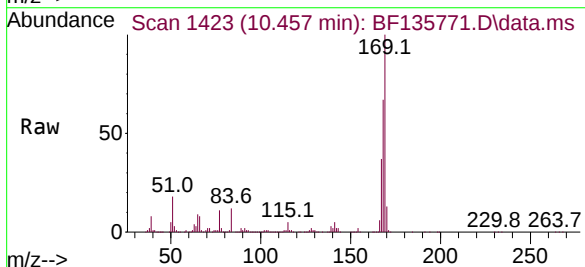
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

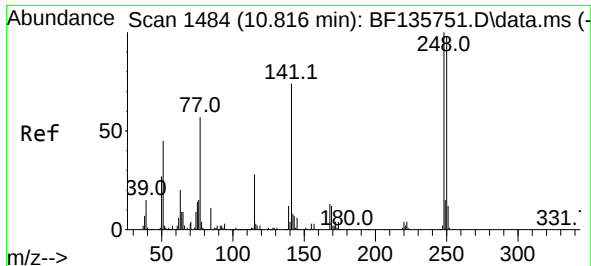
Tgt Ion:198 Resp: 151330  
Ion Ratio Lower Upper  
198 100  
51 60.2 47.6 87.6  
105 45.5 29.2 69.2



#66  
n-Nitrosodiphenylamine  
Concen: 44.479 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:169 Resp: 797625  
Ion Ratio Lower Upper  
169 100  
168 67.4 53.4 80.2  
167 37.4 29.2 43.8

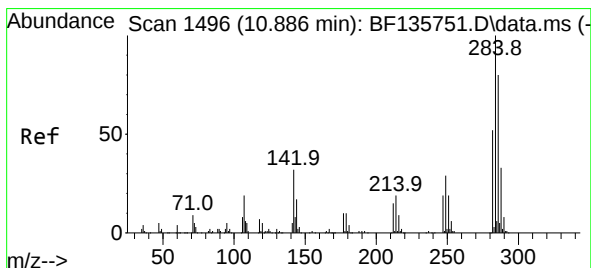
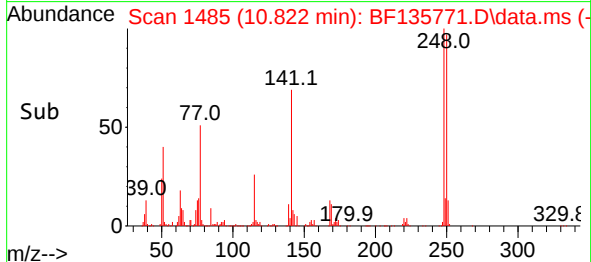
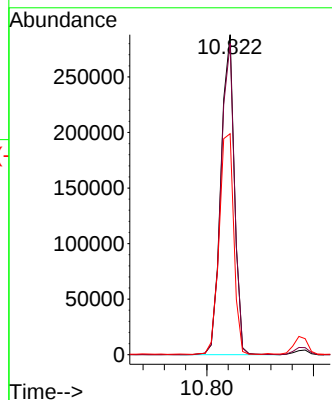
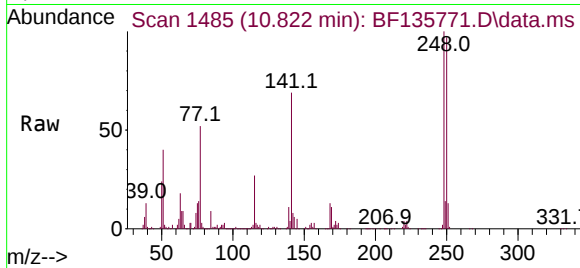




#67  
4-Bromophenyl-phenylether  
Concen: 42.589 ng  
RT: 10.822 min Scan# 1485  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

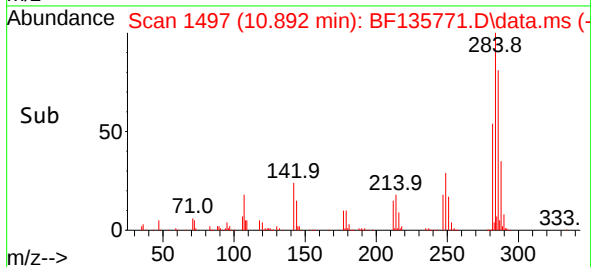
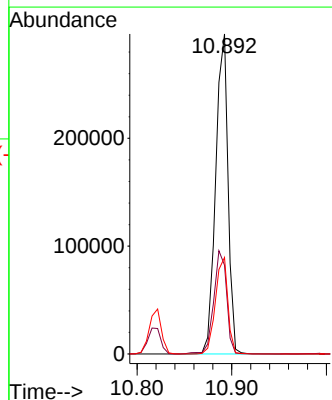
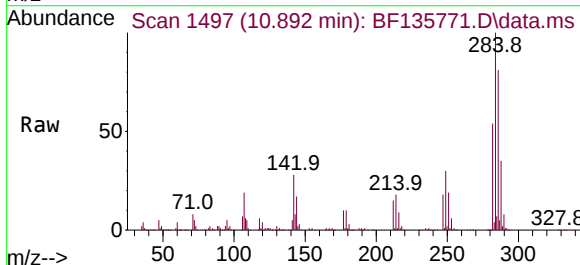
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

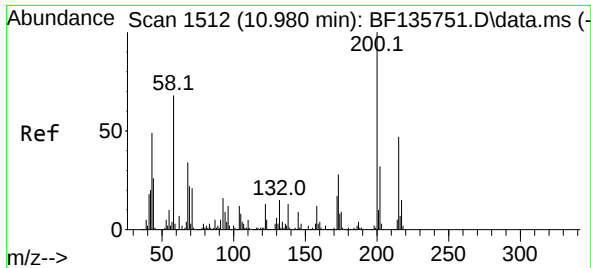
Tgt Ion:248 Resp: 251530  
Ion Ratio Lower Upper  
248 100  
250 97.3 78.0 117.0  
141 69.0 59.0 88.6



#68  
Hexachlorobenzene  
Concen: 44.498 ng  
RT: 10.892 min Scan# 1497  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:284 Resp: 267567  
Ion Ratio Lower Upper  
284 100  
142 27.8 25.3 37.9  
249 30.1 23.5 35.3

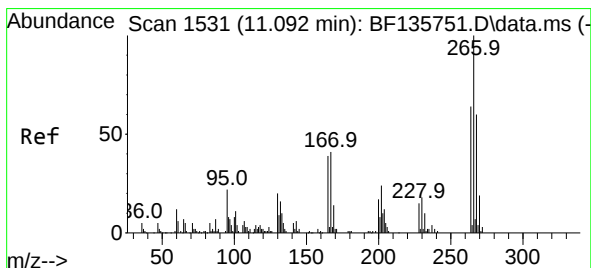
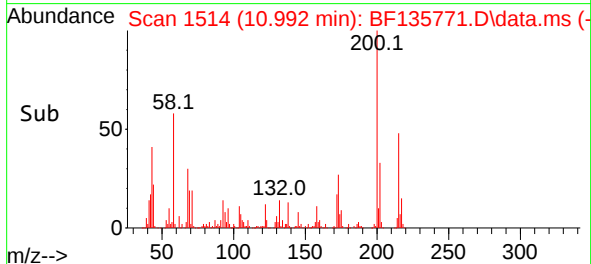
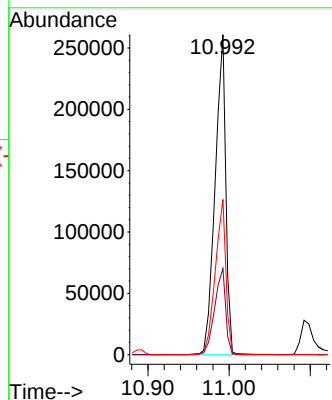
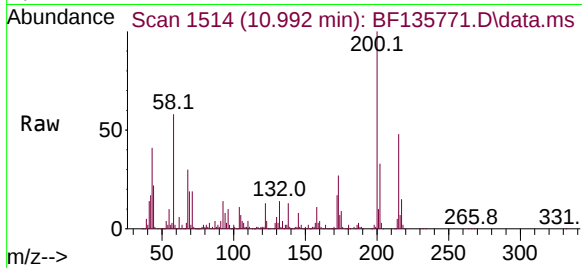




#69  
 Atrazine  
 Concen: 48.622 ng  
 RT: 10.992 min Scan# 1514  
 Delta R.T. 0.006 min  
 Lab File: BF135771.D  
 Acq: 16 Oct 2023 12:07

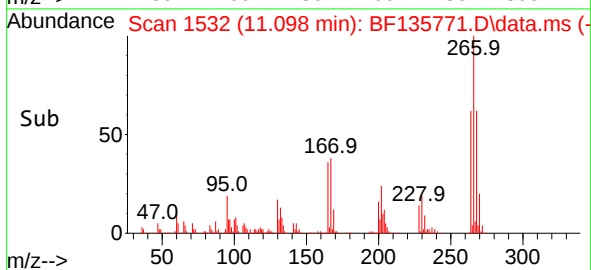
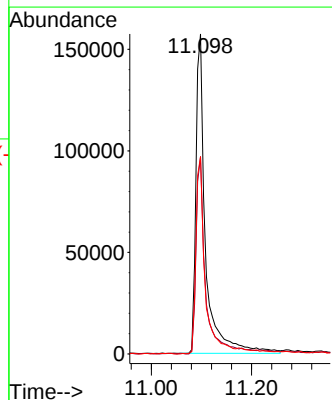
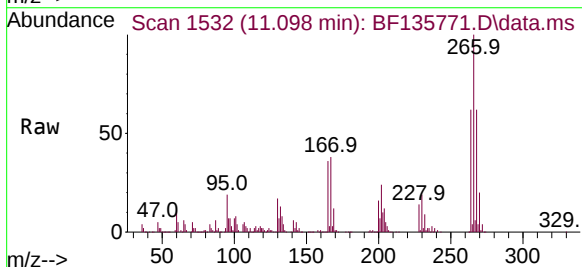
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156184BSD

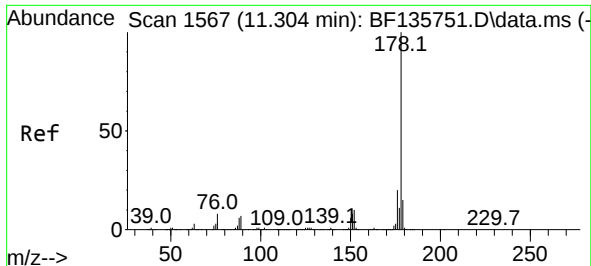
Tgt Ion:200 Resp: 237164  
 Ion Ratio Lower Upper  
 200 100  
 173 26.9 7.6 47.6  
 215 48.5 27.1 67.1



#70  
 Pentachlorophenol  
 Concen: 89.005 ng  
 RT: 11.098 min Scan# 1532  
 Delta R.T. 0.006 min  
 Lab File: BF135771.D  
 Acq: 16 Oct 2023 12:07

Tgt Ion:266 Resp: 211079  
 Ion Ratio Lower Upper  
 266 100  
 268 61.7 47.7 71.5  
 264 61.7 51.4 77.2

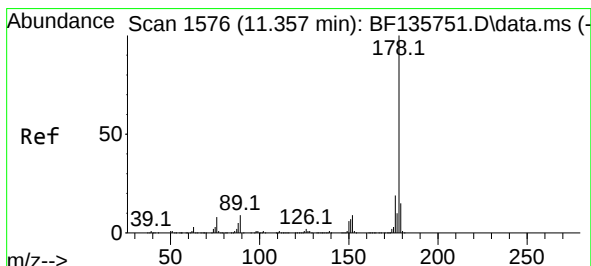
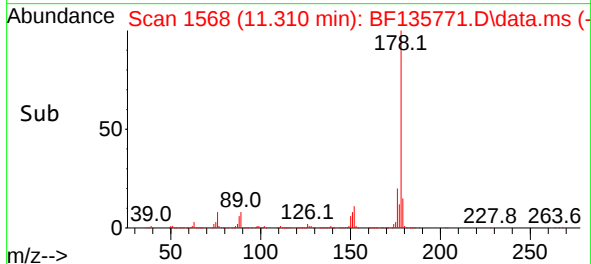
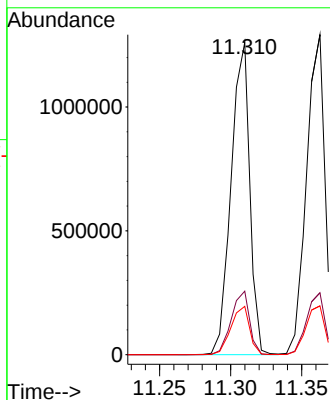
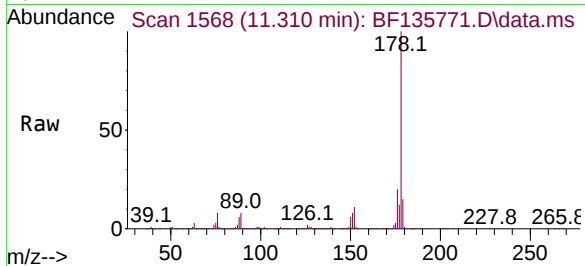




#71  
Phenanthrene  
Concen: 40.907 ng  
RT: 11.310 min Scan# 1567  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

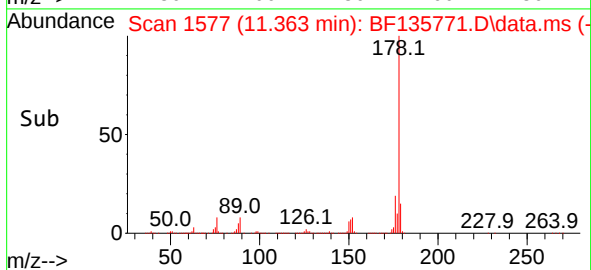
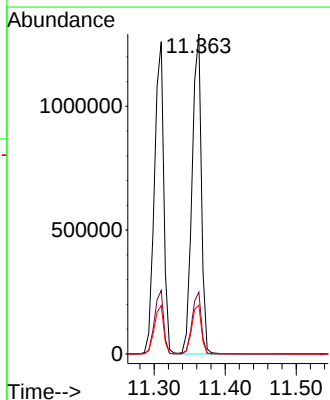
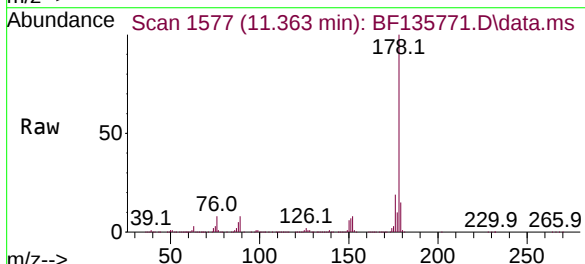
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

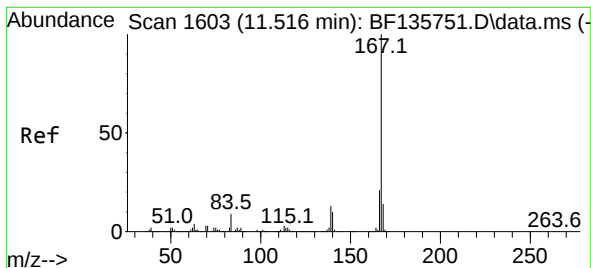
Tgt Ion:178 Resp: 1152950  
Ion Ratio Lower Upper  
178 100  
176 20.3 16.0 24.0  
179 15.5 12.2 18.4



#72  
Anthracene  
Concen: 40.255 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. 0.006 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:178 Resp: 1175685  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.1 22.7  
179 15.3 12.3 18.5





#73

Carbazole

Concen: 41.230 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

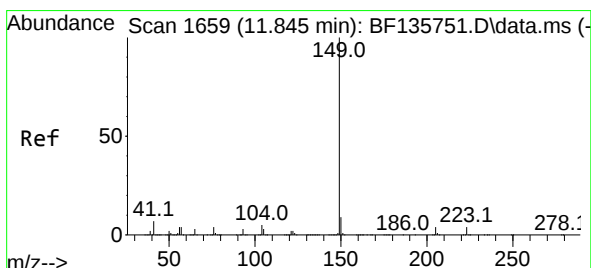
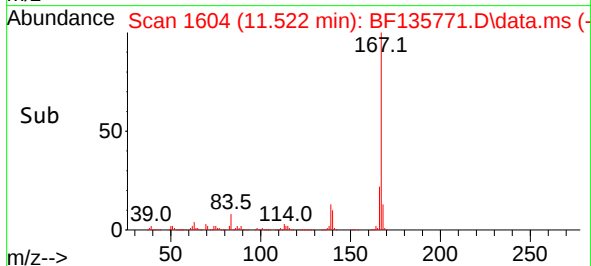
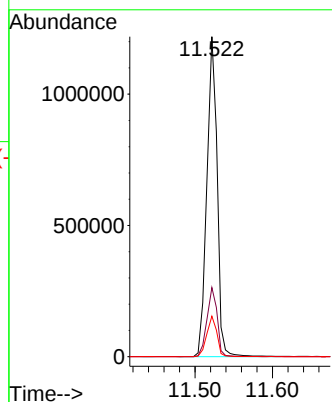
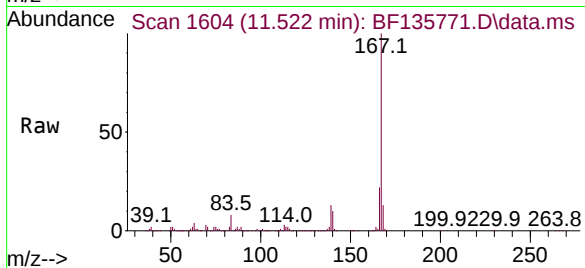
Tgt Ion:167 Resp: 1123059

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

139 12.7 10.2 15.4



#74

Di-n-butylphthalate

Concen: 40.705 ng

RT: 11.845 min Scan# 1659

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

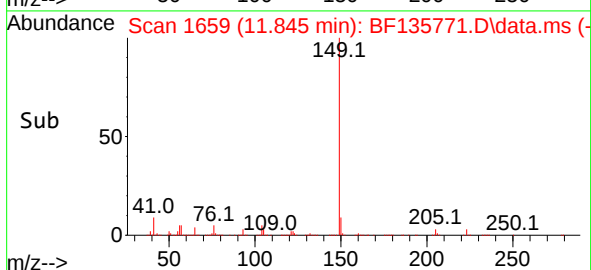
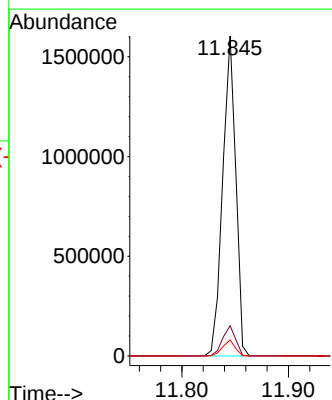
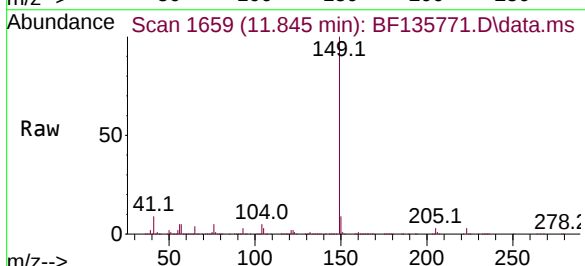
Tgt Ion:149 Resp: 1361278

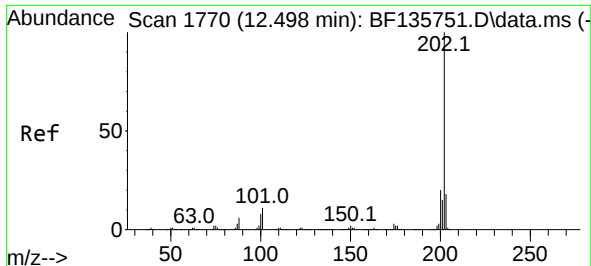
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

104 5.0 3.7 5.5

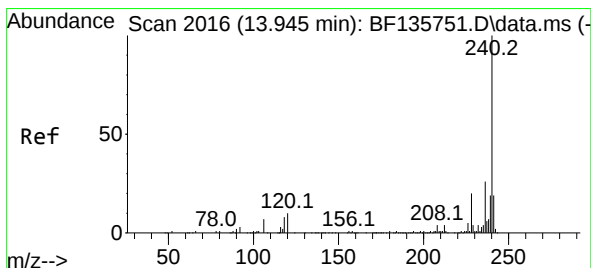
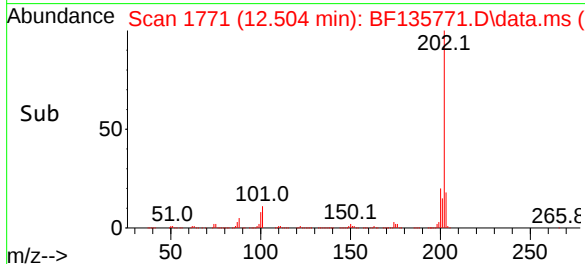
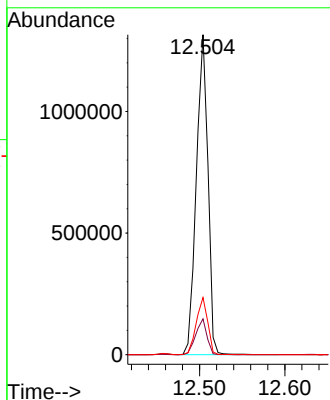
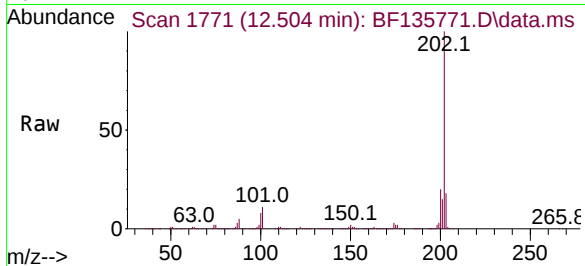




#75  
Fluoranthene  
Concen: 39.700 ng  
RT: 12.504 min Scan# 1771  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

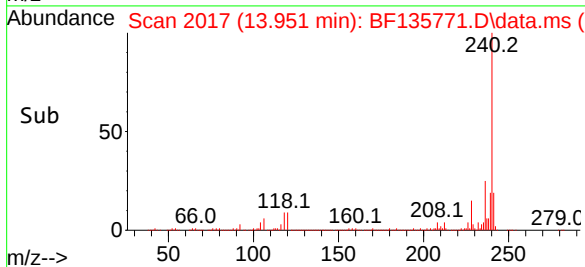
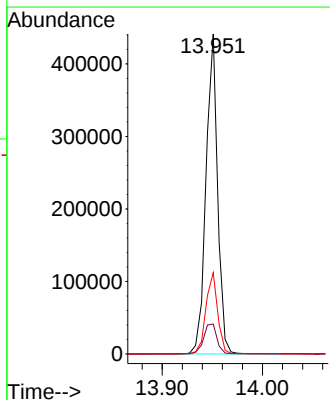
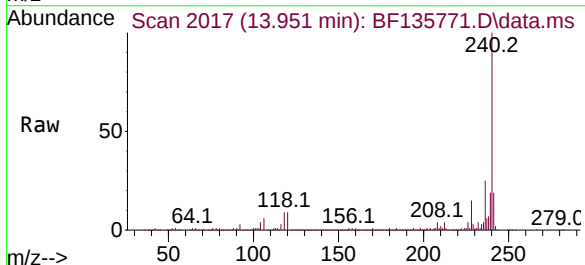
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

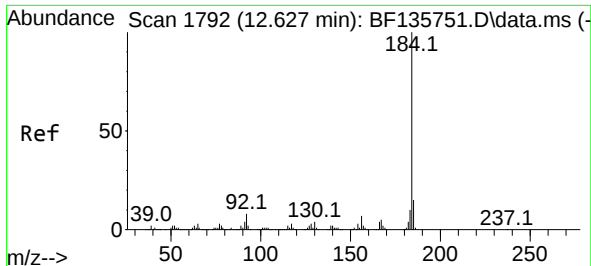
Tgt Ion:202 Resp: 1241886  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 31.5  
203 17.9 0.0 38.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.951 min Scan# 2017  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:240 Resp: 356864  
Ion Ratio Lower Upper  
240 100  
120 9.4 8.2 12.2  
236 25.4 21.2 31.8

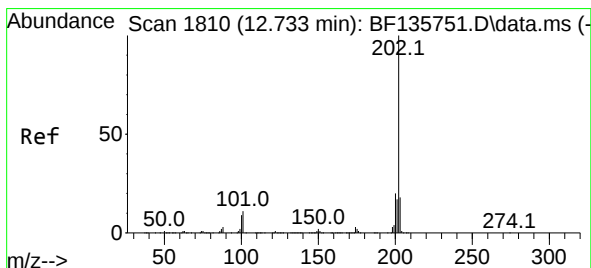
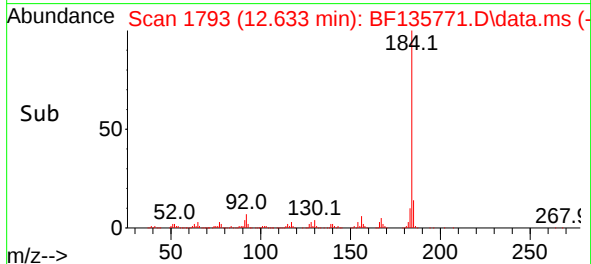
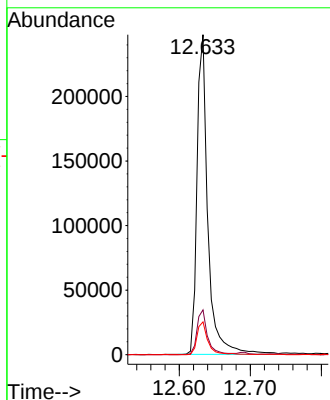
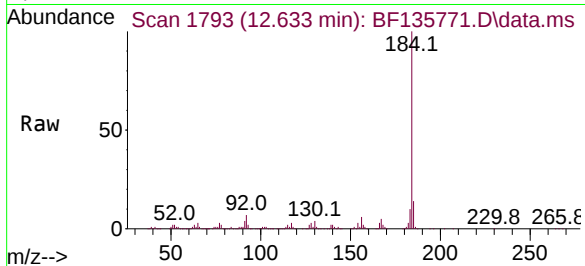




#77  
Benzidine  
Concen: 33.871 ng  
RT: 12.633 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

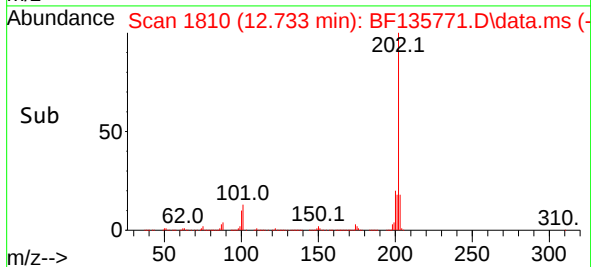
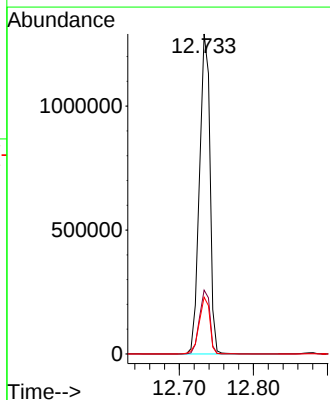
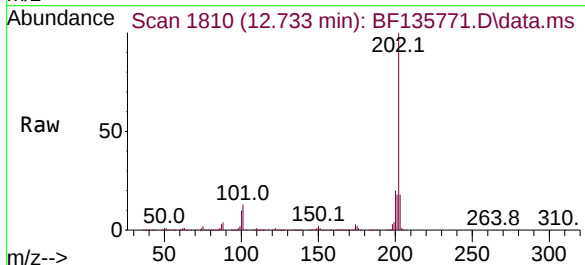
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

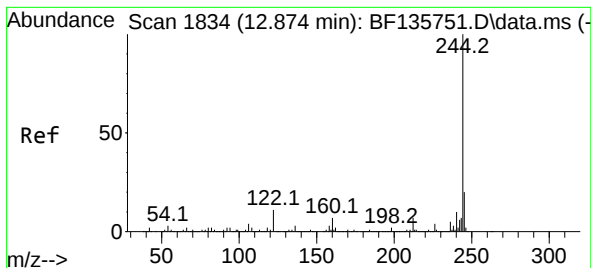
Tgt Ion:184 Resp: 263755  
Ion Ratio Lower Upper  
184 100  
185 14.0 12.0 18.0  
183 10.3 8.2 12.2



#78  
Pyrene  
Concen: 44.608 ng  
RT: 12.733 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:202 Resp: 1265019  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.1 24.1  
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 82.511 ng

RT: 12.880 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

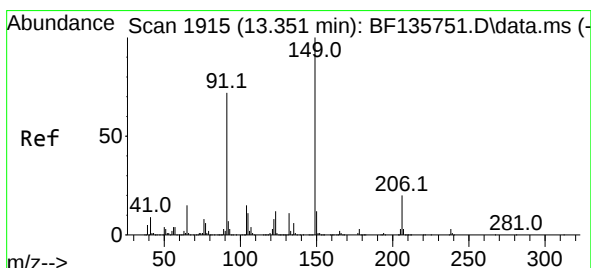
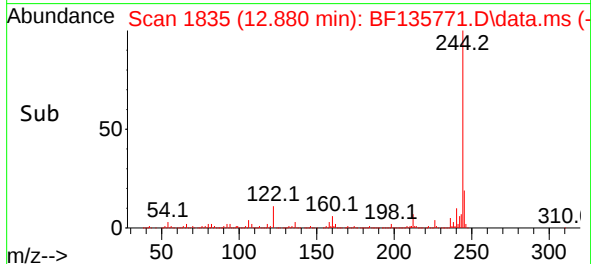
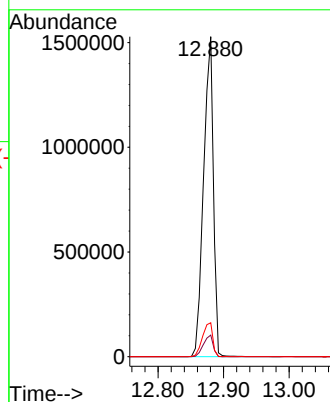
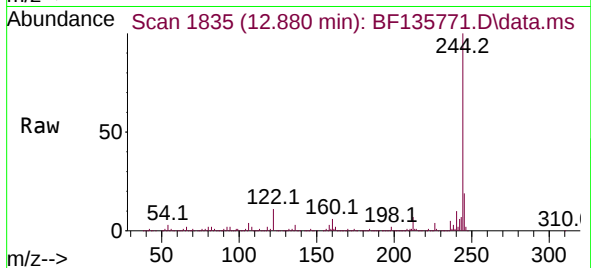
Tgt Ion:244 Resp: 1589983

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.6 9.0 13.6



#80

Butylbenzylphthalate

Concen: 44.110 ng

RT: 13.357 min Scan# 1916

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

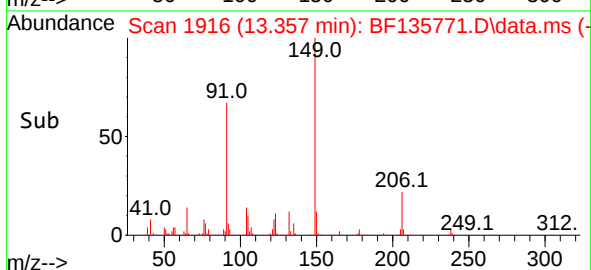
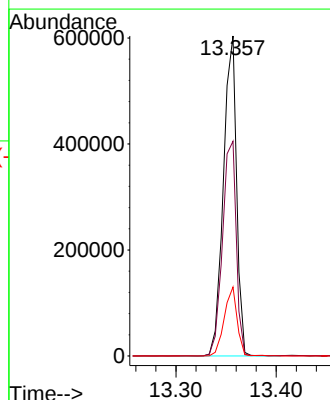
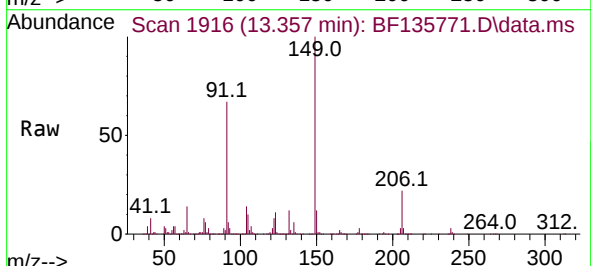
Tgt Ion:149 Resp: 549683

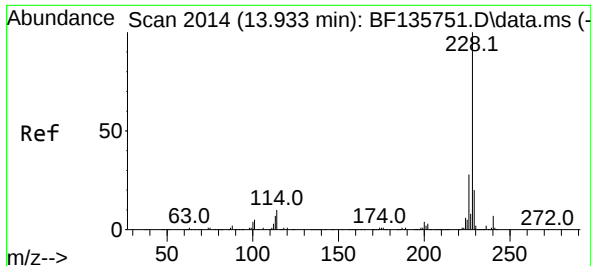
Ion Ratio Lower Upper

149 100

91 67.1 57.4 86.0

206 21.5 16.2 24.4

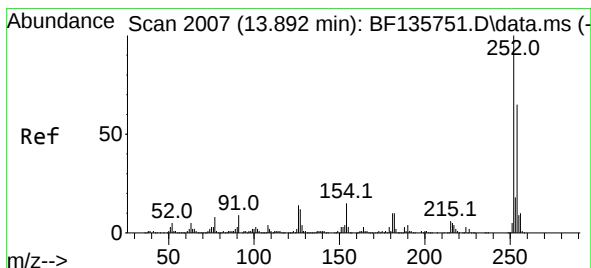
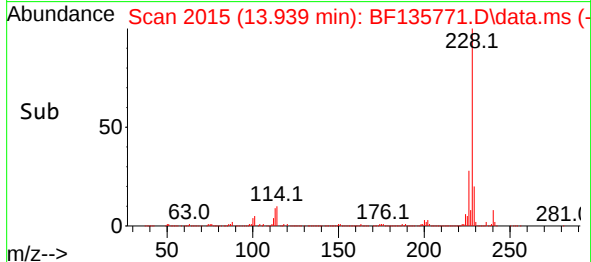
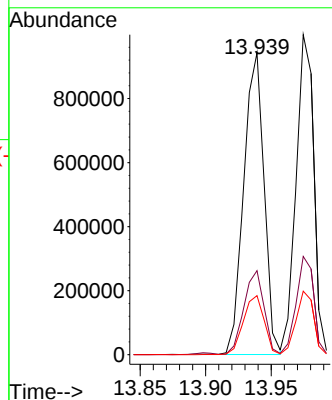
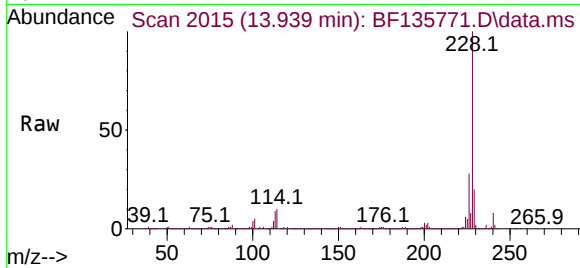




#81  
Benzo(a)anthracene  
Concen: 43.311 ng  
RT: 13.939 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

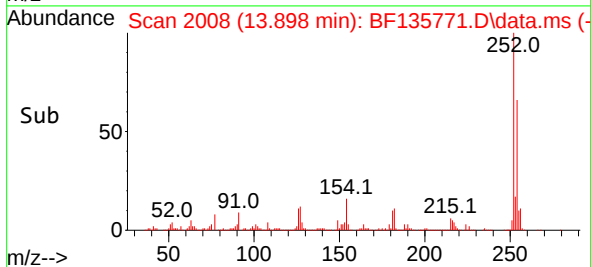
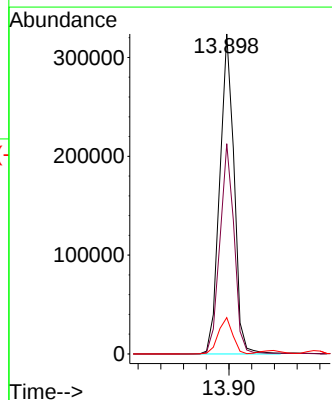
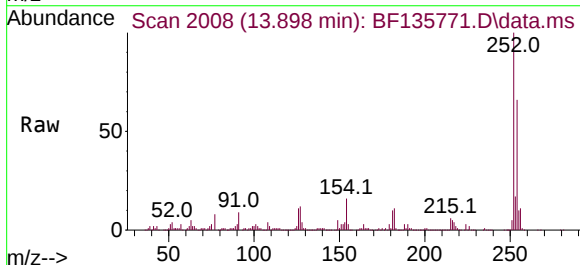
Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

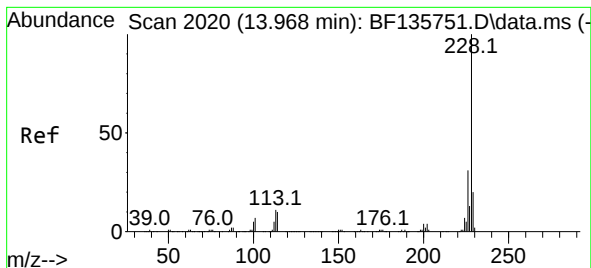
Tgt Ion:228 Resp: 1015209  
Ion Ratio Lower Upper  
228 100  
226 27.8 22.2 33.2  
229 19.6 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 36.508 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:252 Resp: 283813  
Ion Ratio Lower Upper  
252 100  
254 65.7 51.8 77.6  
126 11.4 11.0 16.4





#83

Chrysene

Concen: 41.423 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

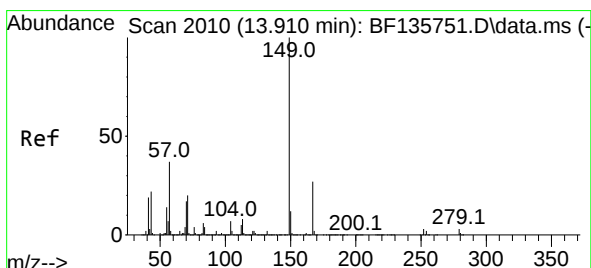
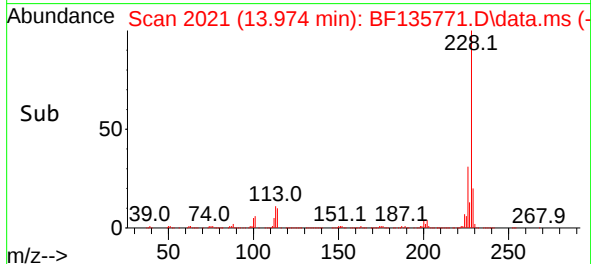
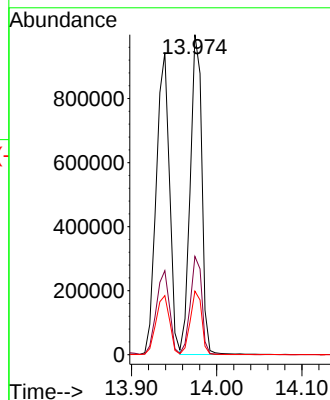
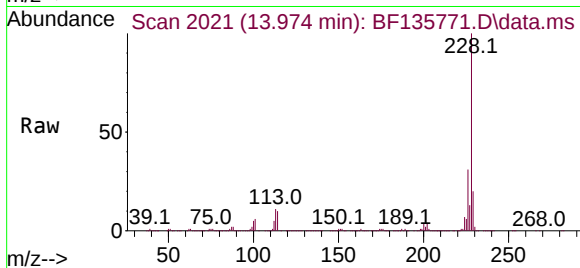
Tgt Ion:228 Resp: 940460

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.446 ng

RT: 13.916 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

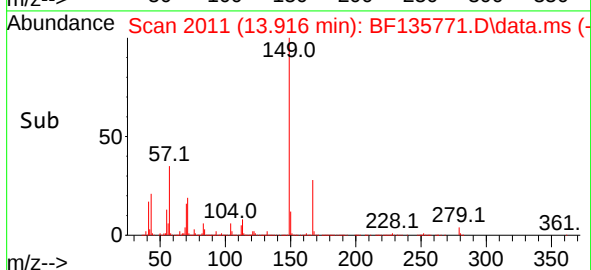
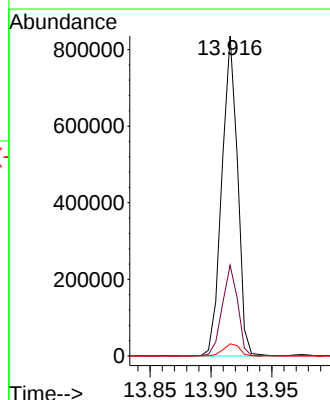
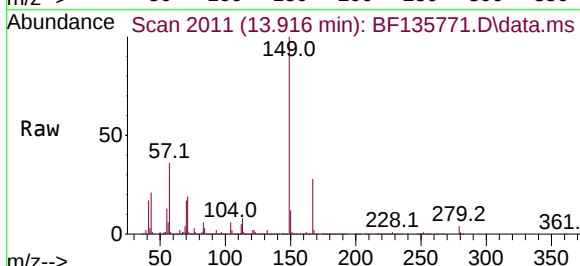
Tgt Ion:149 Resp: 750678

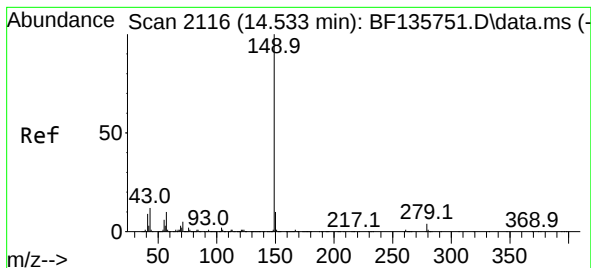
Ion Ratio Lower Upper

149 100

167 28.4 21.3 31.9

279 3.8 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 44.144 ng

RT: 14.533 min Scan# 2116

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

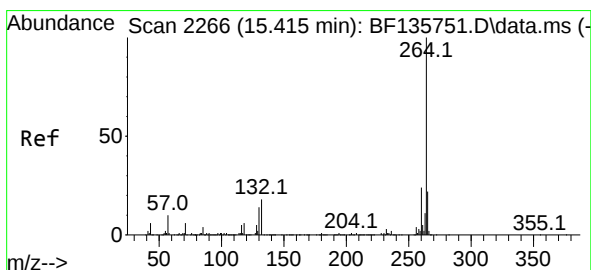
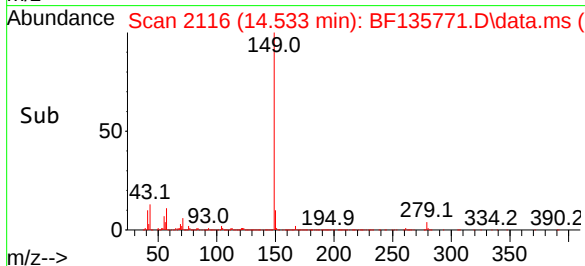
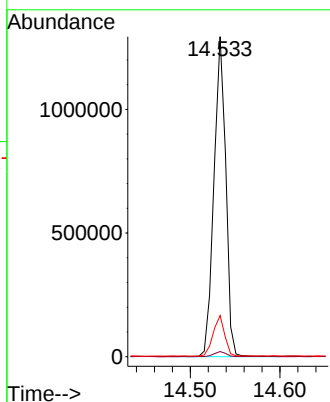
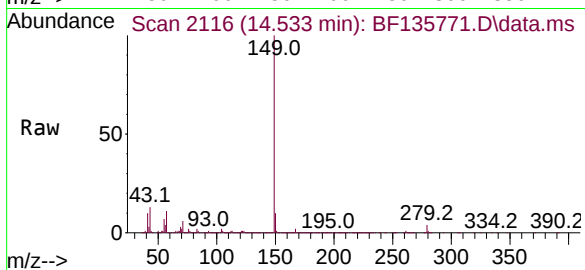
Tgt Ion:149 Resp: 1182263

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 12.4 10.1 15.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

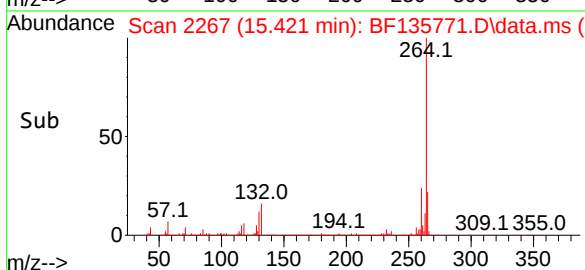
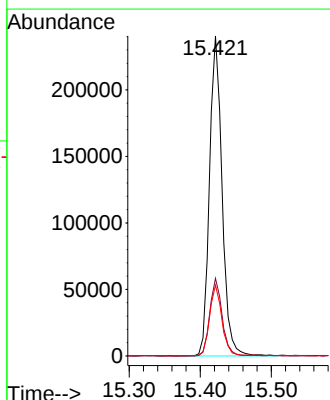
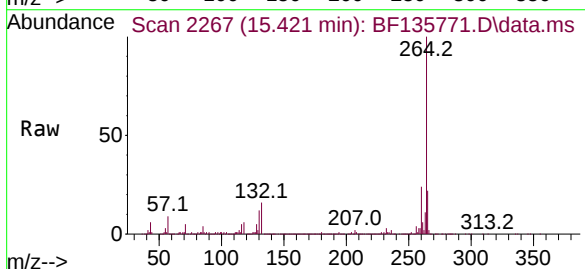
Tgt Ion:264 Resp: 296683

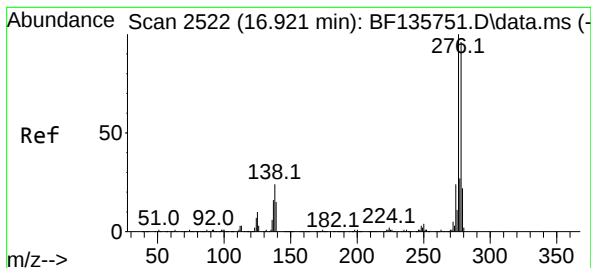
Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.399 ng

RT: 16.933 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

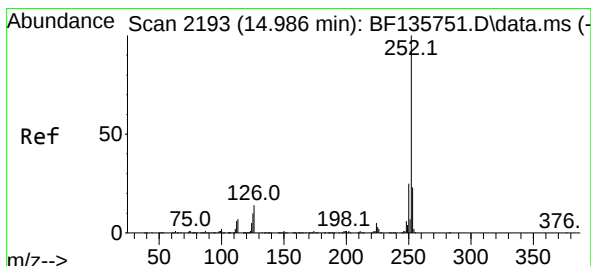
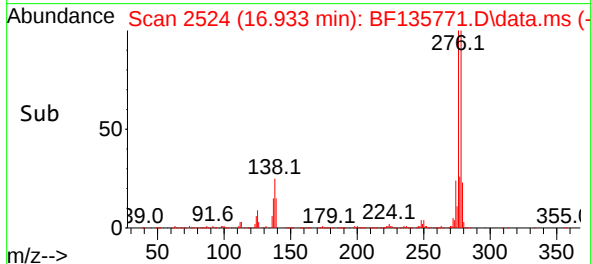
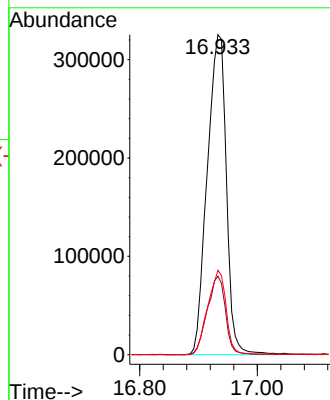
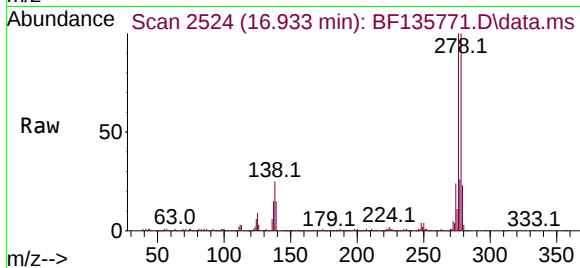
Tgt Ion:276 Resp: 733903

Ion Ratio Lower Upper

276 100

138 23.4 19.8 29.6

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 51.073 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

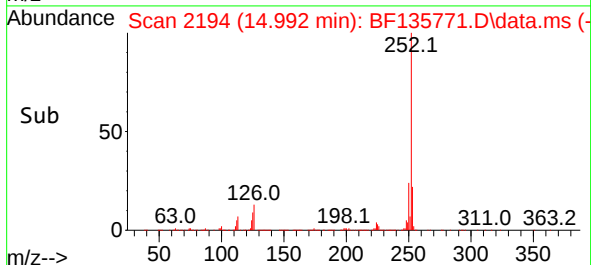
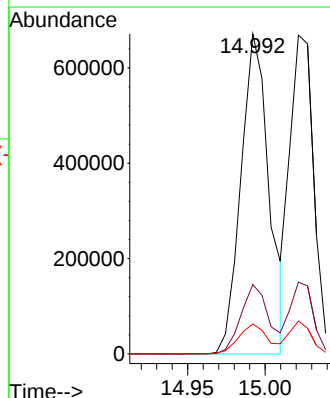
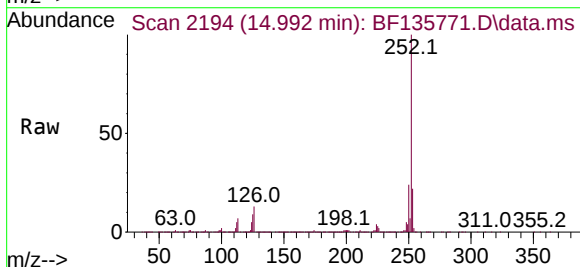
Tgt Ion:252 Resp: 848038

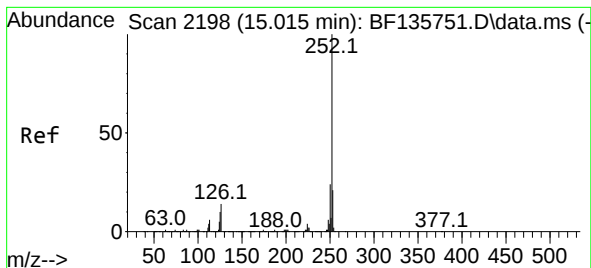
Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

125 9.4 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 45.170 ng

RT: 15.021 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

Instrument :

BNA\_F

ClientSampleId :

PB156184BSD

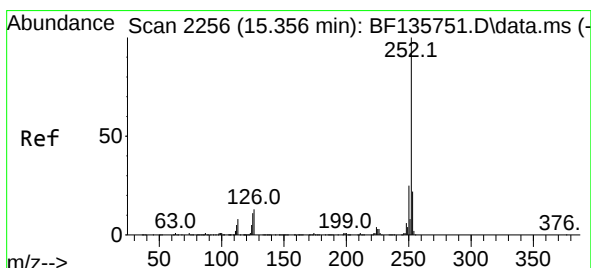
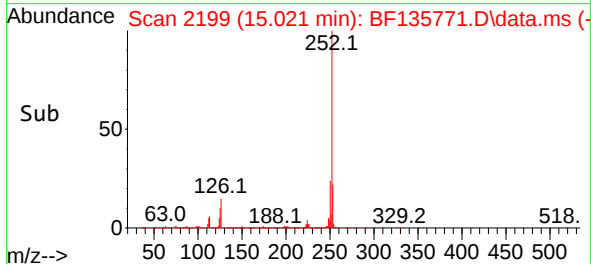
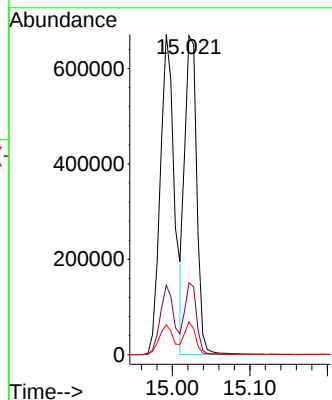
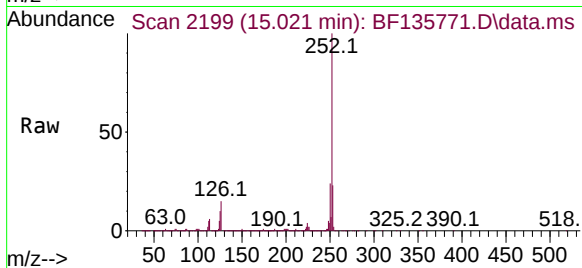
Tgt Ion:252 Resp: 728158

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.3 8.3 12.5



#90

Benzo(a)pyrene

Concen: 42.441 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF135771.D

Acq: 16 Oct 2023 12:07

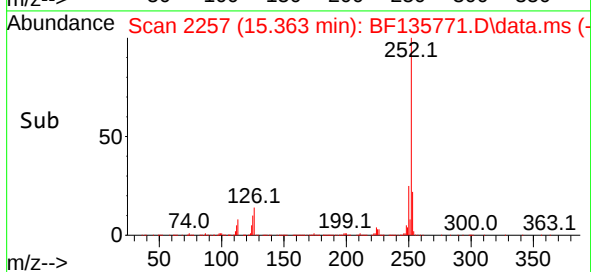
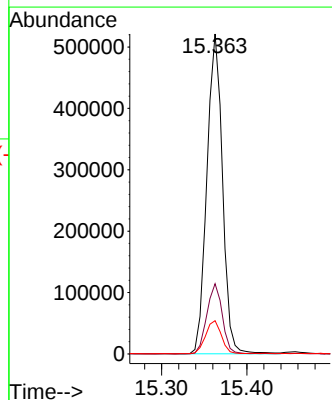
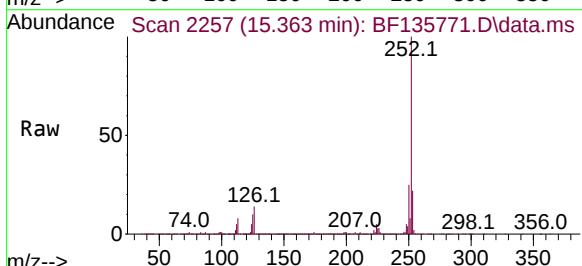
Tgt Ion:252 Resp: 662657

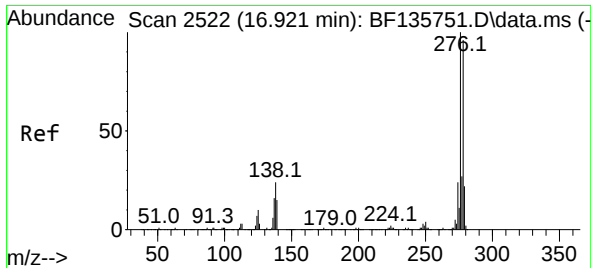
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.4 8.8 13.2

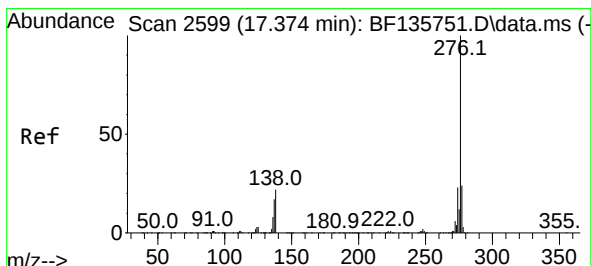
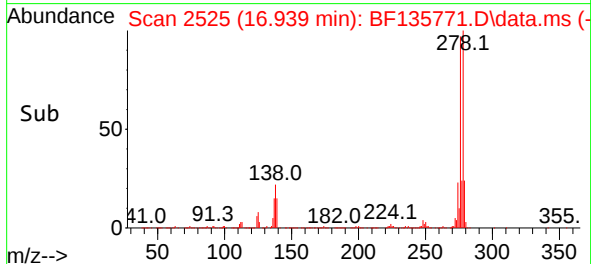
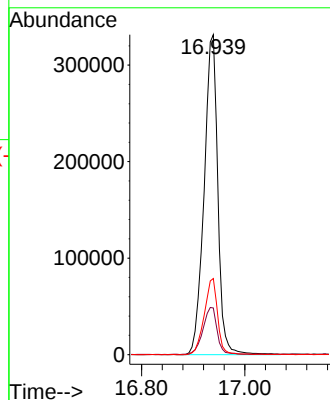
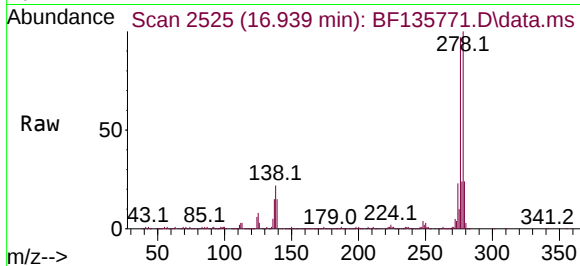




#91  
Dibenzo(a,h)anthracene  
Concen: 46.135 ng  
RT: 16.939 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB156184BSD

Tgt Ion:278 Resp: 611384  
Ion Ratio Lower Upper  
278 100  
139 14.6 12.5 18.7  
279 23.8 18.6 27.8



#92  
Benzo(g,h,i)perylene  
Concen: 45.556 ng  
RT: 17.386 min Scan# 2601  
Delta R.T. -0.000 min  
Lab File: BF135771.D  
Acq: 16 Oct 2023 12:07

Tgt Ion:276 Resp: 620134  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.4 29.2  
138 20.0 17.3 25.9

