

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083123\  
 Data File : BF135040.D  
 Acq On : 31 Aug 2023 14:20  
 Operator : CG\JU  
 Sample : PB155118BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155118BS

Quant Time: Aug 31 16:10:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 31 03:48:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.775  | 152  | 125004   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.057  | 136  | 516498   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 264366   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 503662   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.969 | 240  | 301594   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.433 | 264  | 242140   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 1011121  | 124.940 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.422  | 99   | 1242834  | 123.208 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.340  | 82   | 797918   | 86.791  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 356043   | 126.960 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 1397482  | 86.064  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1564390  | 84.648  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.581  | 88   | 123472   | 36.018  | ng    | 97       |
| 3) Pyridine                   | 3.334  | 79   | 324127   | 35.072  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.293  | 42   | 210333   | 46.538  | ng    | 95       |
| 6) Aniline                    | 6.440  | 93   | 479393   | 38.336  | ng    | # 86     |
| 8) 2-Chlorophenol             | 6.563  | 128  | 404341   | 49.179  | ng    | 98       |
| 9) Benzaldehyde               | 6.328  | 77   | 245258   | 47.717  | ng    | 99       |
| 10) Phenol                    | 6.434  | 94   | 479857   | 45.313  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.516  | 93   | 380028   | 47.656  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.716  | 146  | 407108   | 48.061  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.793  | 146  | 411948   | 48.590  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.940  | 146  | 391537   | 49.490  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.922  | 79   | 342157   | 49.509  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.052  | 45   | 621343   | 46.528  | ng    | 100      |
| 17) 2-Methylphenol            | 7.034  | 107  | 315721   | 44.068  | ng    | 98       |
| 18) Hexachloroethane          | 7.281  | 117  | 153276   | 48.806  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.193  | 70   | 263263   | 43.937  | ng    | 93       |
| 20) 3+4-Methylphenols         | 7.187  | 107  | 374647   | 44.325  | ng    | 99       |
| 22) Acetophenone              | 7.187  | 105  | 520179   | 45.279  | ng    | # 98     |
| 24) Nitrobenzene              | 7.357  | 77   | 416747   | 44.191  | ng    | 96       |
| 25) Isophorone                | 7.599  | 82   | 760823   | 43.648  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.675  | 139  | 217162   | 46.608  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.716  | 122  | 347627   | 46.342  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.810  | 93   | 459383   | 43.689  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.916  | 162  | 325549   | 45.663  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.999  | 180  | 355451   | 46.136  | ng    | 98       |
| 31) Naphthalene               | 8.075  | 128  | 1129482  | 44.766  | ng    | 99       |
| 32) Benzoic acid              | 7.852  | 122  | 286437   | 47.734  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.128  | 127  | 388426   | 35.197  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.193  | 225  | 202322   | 46.273  | ng    | 99       |
| 35) Caprolactam               | 8.504  | 113  | 52820    | 22.627  | ng    | 86       |
| 36) 4-Chloro-3-methylphenol   | 8.616  | 107  | 359077   | 46.371  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.769  | 142  | 730976   | 43.421  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.869  | 142  | 688554   | 43.713  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.934  | 216  | 333119   | 45.012  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 345092   | 109.558 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.051  | 196  | 232186   | 46.716  | ng    | 99       |

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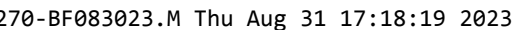
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155118BS

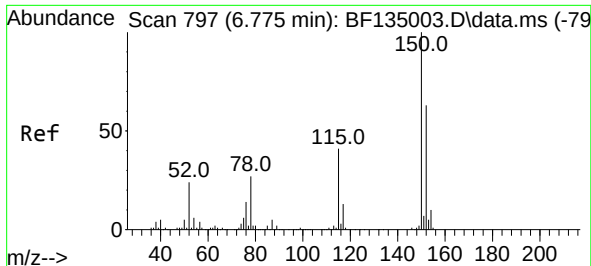
Quant Time: Aug 31 16:10:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 31 03:48:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.093  | 196  | 249405   | 43.344    | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.234  | 154  | 907488   | 44.929    | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.263  | 162  | 697287   | 45.908    | ng    | 99       |
| 48) 2-Nitroaniline            | 9.363  | 65   | 240742   | 46.301    | ng    | 96       |
| 49) Acenaphthylene            | 9.675  | 152  | 1042246  | 45.393    | ng    | 99       |
| 50) Dimethylphthalate         | 9.546  | 163  | 826339   | 44.640    | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 189742   | 46.714    | ng    | 85       |
| 52) Acenaphthene              | 9.851  | 154  | 662374   | 45.269    | ng    | 99       |
| 53) 3-Nitroaniline            | 9.775  | 138  | 187686   | 39.667    | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.893  | 184  | 223924   | 115.349   | ng #  | 85       |
| 55) Dibenzofuran              | 10.022 | 168  | 933120   | 44.209    | ng    | 99       |
| 56) 4-Nitrophenol             | 9.951  | 139  | 331070   | 99.541    | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 237116   | 46.843    | ng    | 96       |
| 58) Fluorene                  | 10.369 | 166  | 723216   | 44.944    | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.146 | 232  | 212047   | 47.857    | ng    | 97       |
| 60) Diethylphthalate          | 10.246 | 149  | 784666   | 45.030    | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 349868   | 43.956    | ng    | 92       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 211419   | 45.666    | ng    | 98       |
| 63) Azobenzene                | 10.522 | 77   | 776945   | 44.281    | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198  | 150734   | 49.449    | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.487 | 169  | 674521   | 43.071    | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 227212   | 42.532    | ng    | 98       |
| 68) Hexachlorobenzene         | 10.916 | 284  | 253892   | 45.963    | ng    | 99       |
| 69) Atrazine                  | 11.016 | 200  | 234925   | Below Cal |       | 98       |
| 70) Pentachlorophenol         | 11.116 | 266  | 274578   | 82.163    | ng    | 99       |
| 71) Phenanthrene              | 11.334 | 178  | 1160584  | 44.665    | ng    | 99       |
| 72) Anthracene                | 11.387 | 178  | 1176479  | 44.315    | ng    | 99       |
| 73) Carbazole                 | 11.545 | 167  | 1042606  | 45.532    | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.881 | 149  | 1197680  | 43.390    | ng    | 100      |
| 75) Fluoranthene              | 12.528 | 202  | 1190359  | 45.310    | ng    | 100      |
| 77) Benzidine                 | 12.657 | 184  | 620162   | 114.070   | ng    | 98       |
| 78) Pyrene                    | 12.757 | 202  | 1209930  | 42.253    | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 483364   | 46.726    | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 892388   | 43.377    | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.922 | 252  | 304734   | 49.088    | ng    | 99       |
| 83) Chrysene                  | 13.992 | 228  | 885545   | 43.799    | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 540720   | 50.508    | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.569 | 149  | 852282   | 52.157    | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.922 | 276  | 733936   | 44.999    | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.004 | 252  | 759782   | 50.429    | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 683642   | 46.968    | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.375 | 252  | 614971   | 43.939    | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.939 | 278  | 602131   | 45.583    | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.374 | 276  | 618482   | 45.017    | ng    | 99       |

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

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QLast Update : Thu Aug 31 03:48:08 2023  
Response via : Initial Calibration

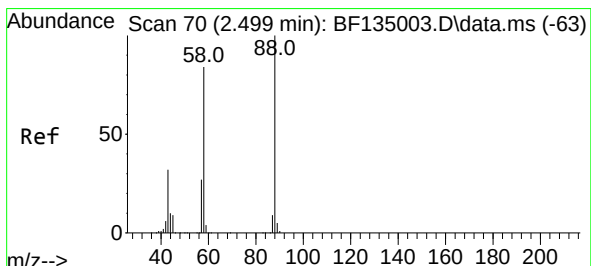
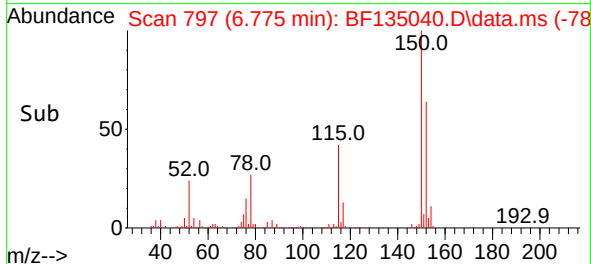
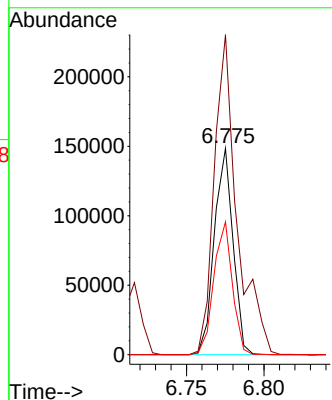
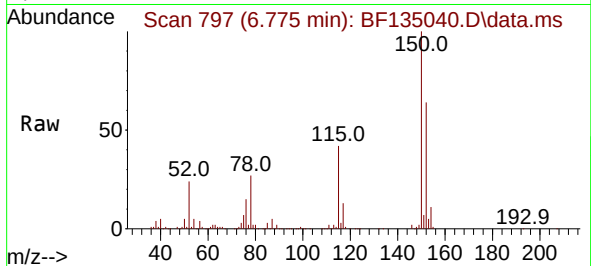




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.775 min Scan# 79  
 Delta R.T. 0.000 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

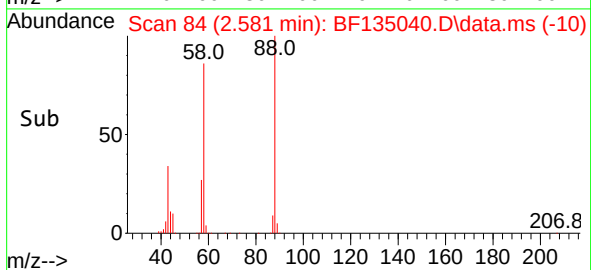
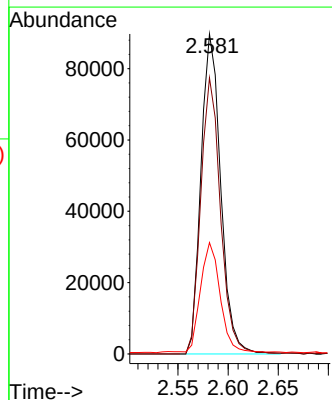
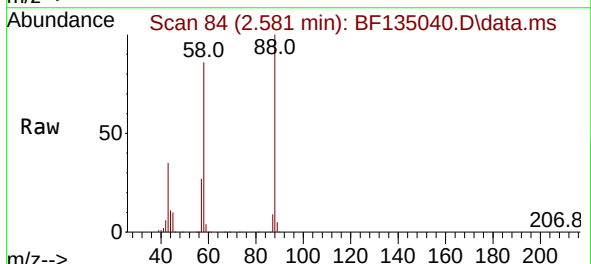
Instrument :  
 BNA\_F  
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 PB155118BS

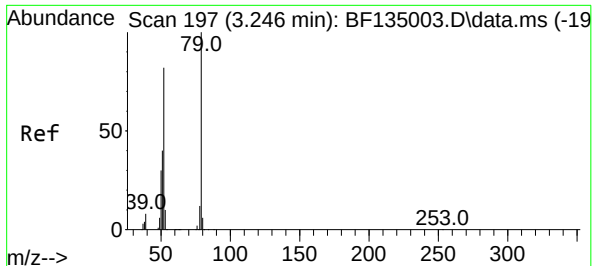
Tgt Ion:152 Resp: 125004  
 Ion Ratio Lower Upper  
 152 100  
 150 155.1 126.2 189.4  
 115 64.4 51.2 76.8



#2  
 1,4-Dioxane  
 Concen: 36.018 ng  
 RT: 2.581 min Scan# 84  
 Delta R.T. 0.083 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Tgt Ion: 88 Resp: 123472  
 Ion Ratio Lower Upper  
 88 100  
 58 86.2 67.1 100.7  
 43 34.6 25.9 38.9

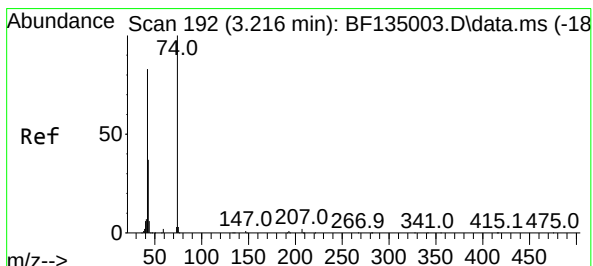
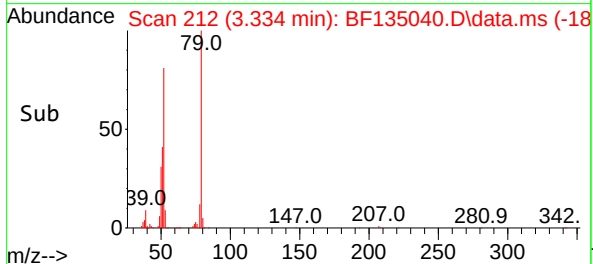
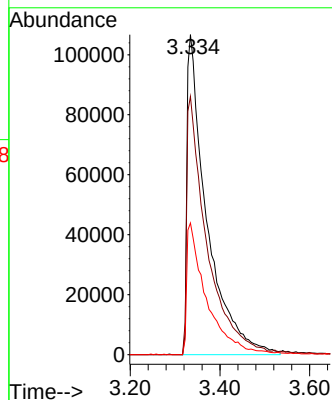
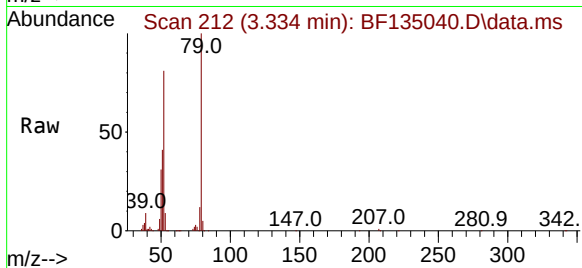




#3  
 Pyridine  
 Concen: 35.072 ng  
 RT: 3.334 min Scan# 21  
 Delta R.T. 0.089 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

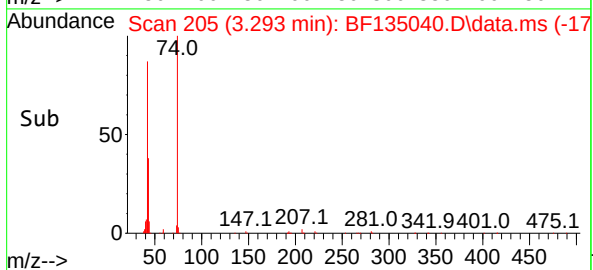
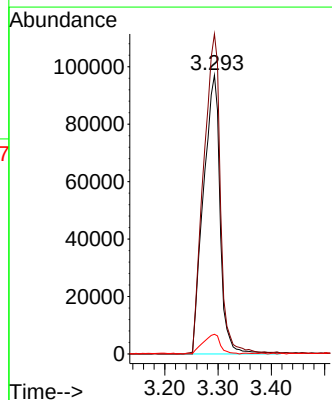
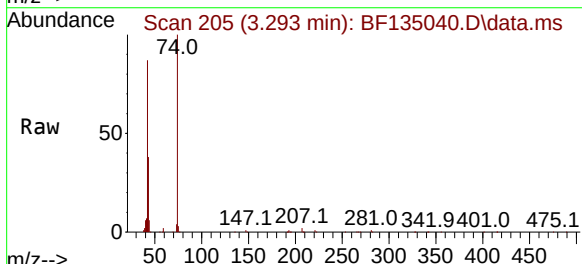
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 ClientSampleId :  
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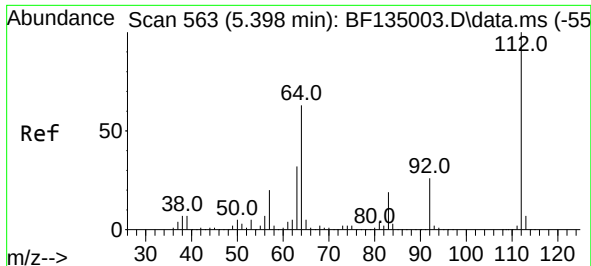
Tgt Ion: 79 Resp: 324127  
 Ion Ratio Lower Upper  
 79 100  
 52 80.7 65.4 98.2  
 51 41.1 32.6 49.0



#4  
 n-Nitrosodimethylamine  
 Concen: 46.538 ng  
 RT: 3.293 min Scan# 205  
 Delta R.T. 0.077 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Tgt Ion: 42 Resp: 210333  
 Ion Ratio Lower Upper  
 42 100  
 74 114.8 96.2 144.2  
 44 7.1 5.8 8.6

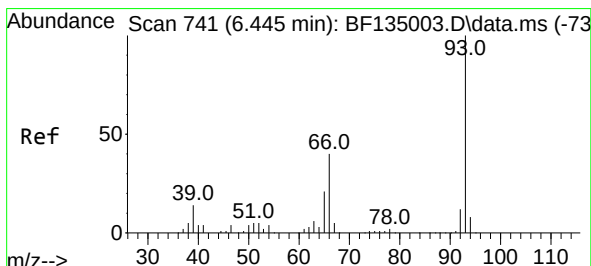
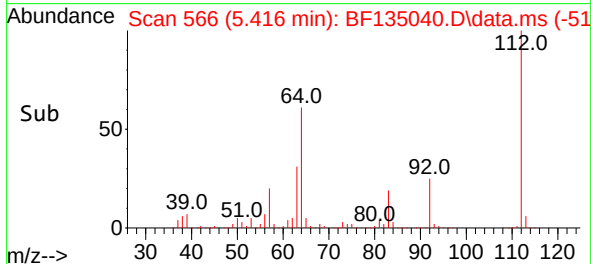
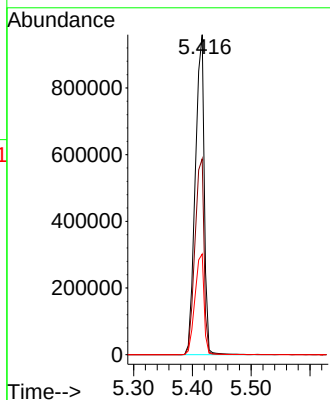
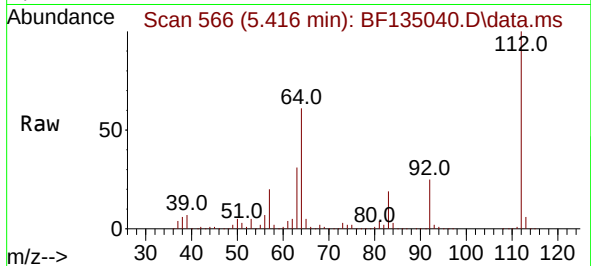




#5  
2-Fluorophenol  
Concen: 124.940 ng  
RT: 5.416 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

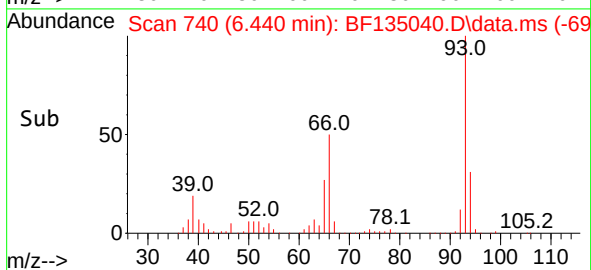
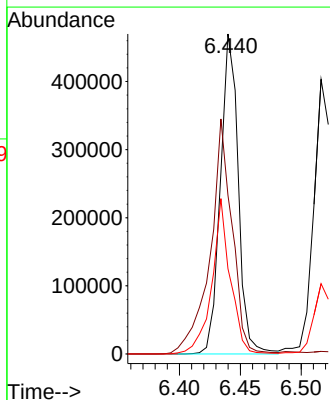
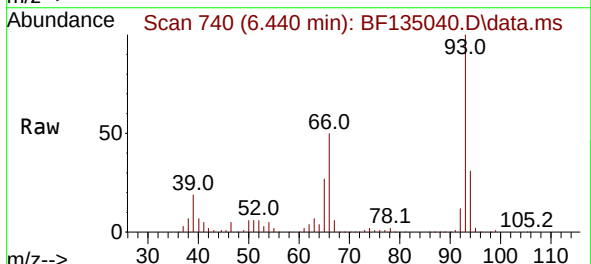
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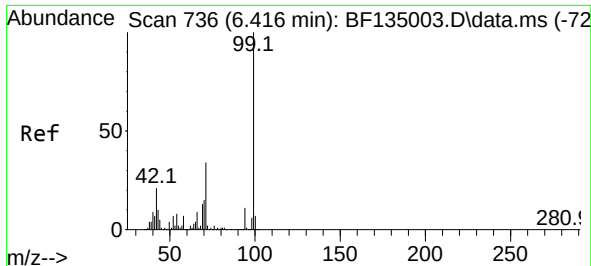
Tgt Ion:112 Resp: 1011121  
Ion Ratio Lower Upper  
112 100  
64 61.2 50.5 75.7  
63 31.4 25.9 38.9



#6  
Aniline  
Concen: 38.336 ng  
RT: 6.440 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion: 93 Resp: 479393  
Ion Ratio Lower Upper  
93 100  
66 49.6 32.4 48.6#  
65 26.6 16.6 24.8#

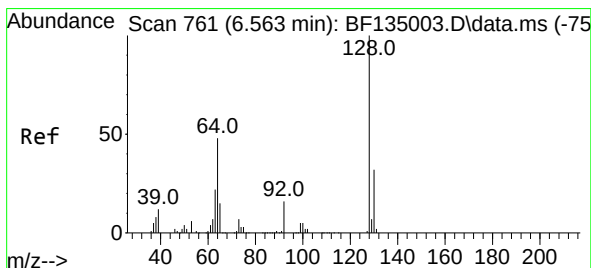
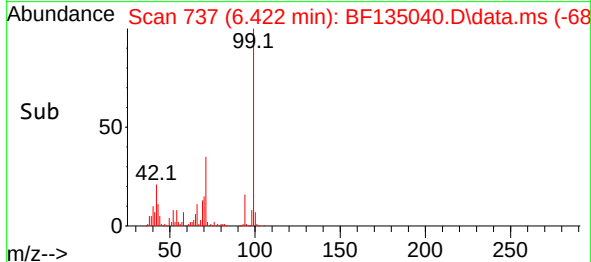
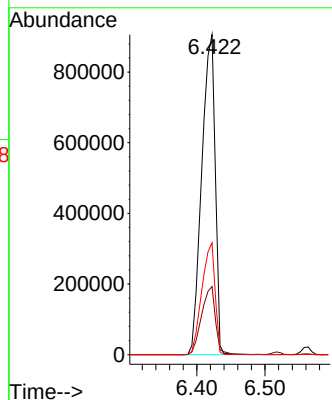
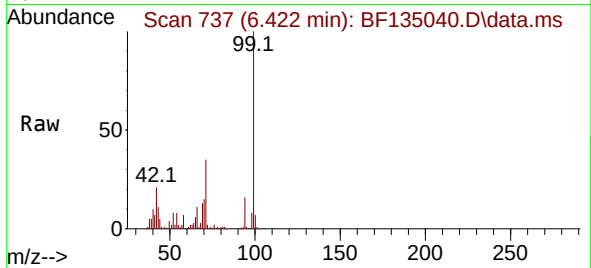




#7  
Phenol-d6  
Concen: 123.208 ng  
RT: 6.422 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

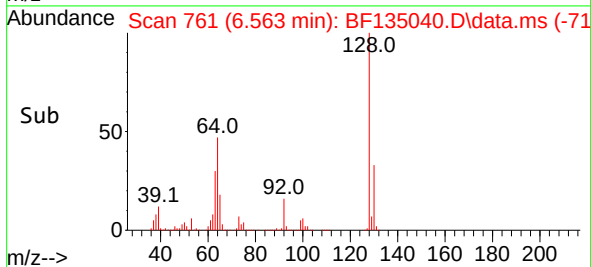
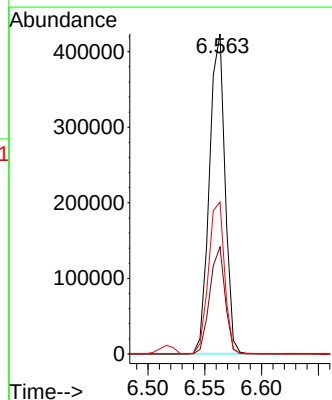
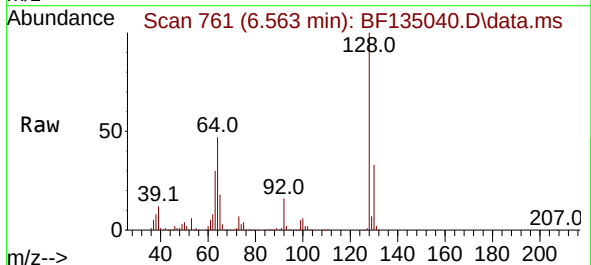
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ClientSampleId :  
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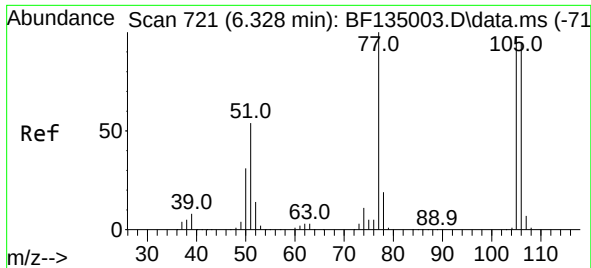
Tgt Ion: 99 Resp: 1242834  
Ion Ratio Lower Upper  
99 100  
42 21.3 16.6 25.0  
71 34.9 27.0 40.6



#8  
2-Chlorophenol  
Concen: 49.179 ng  
RT: 6.563 min Scan# 761  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:128 Resp: 404341  
Ion Ratio Lower Upper  
128 100  
130 33.4 12.2 52.2  
64 47.4 29.0 69.0





#9

Benzaldehyde

Concen: 47.717 ng

RT: 6.328 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

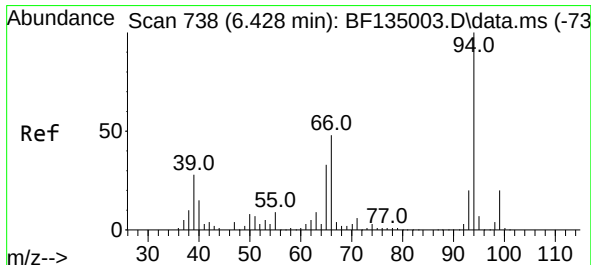
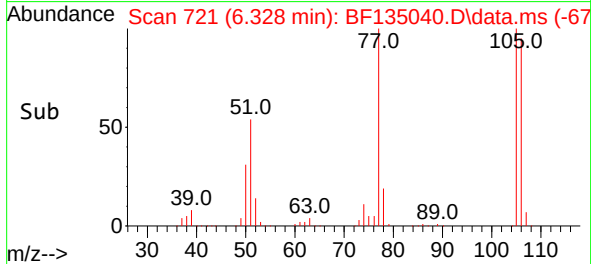
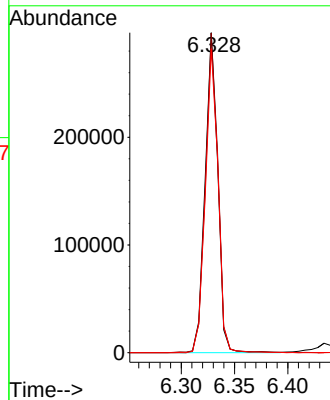
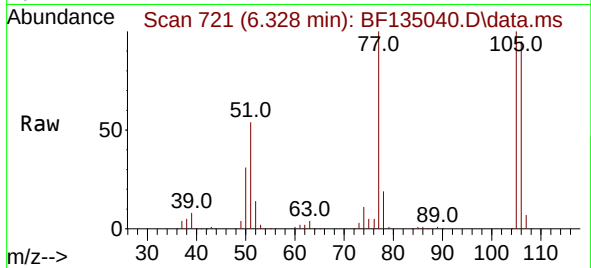
Tgt Ion: 77 Resp: 245258

Ion Ratio Lower Upper

77 100

105 99.9 78.4 118.4

106 95.0 74.3 114.3



#10

Phenol

Concen: 45.313 ng

RT: 6.434 min Scan# 739

Delta R.T. 0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

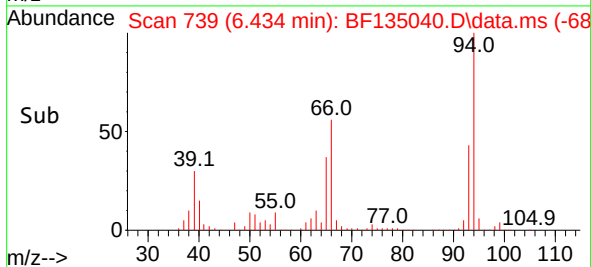
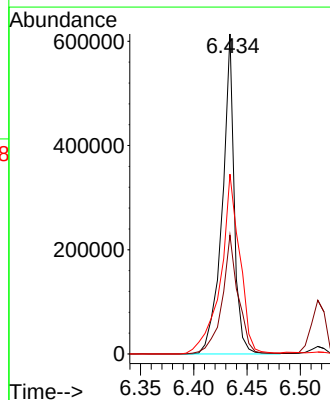
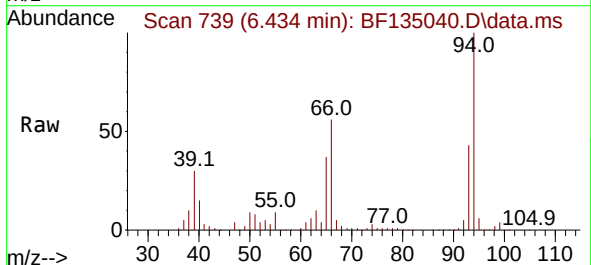
Tgt Ion: 94 Resp: 479857

Ion Ratio Lower Upper

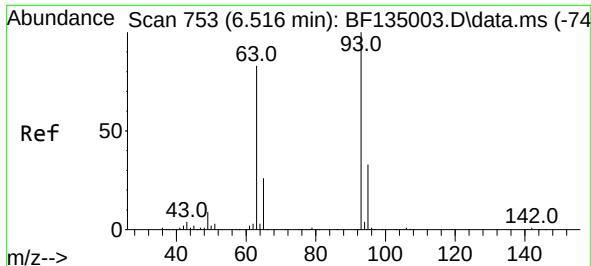
94 100

65 37.2 13.2 53.2

66 56.2 27.5 67.5



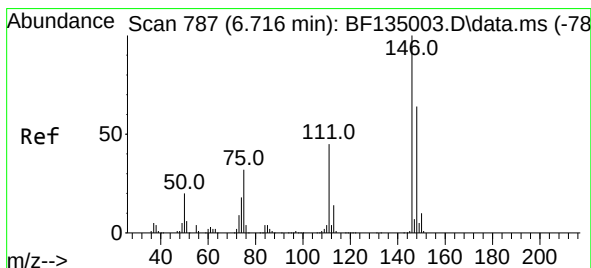
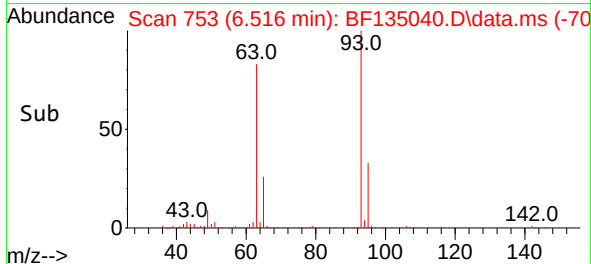
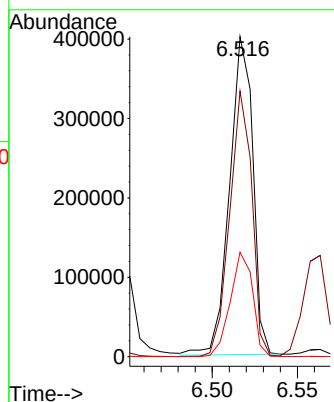
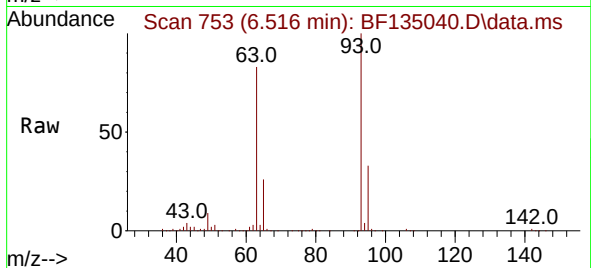




#11  
bis(2-Chloroethyl)ether  
Concen: 47.656 ng  
RT: 6.516 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

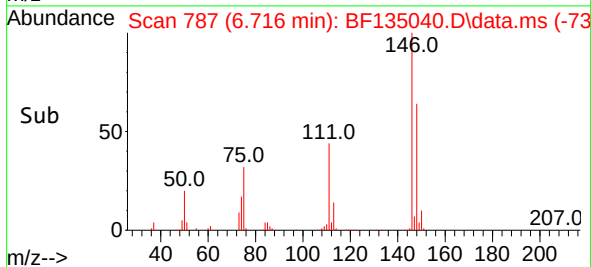
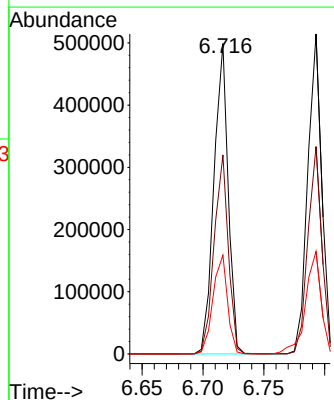
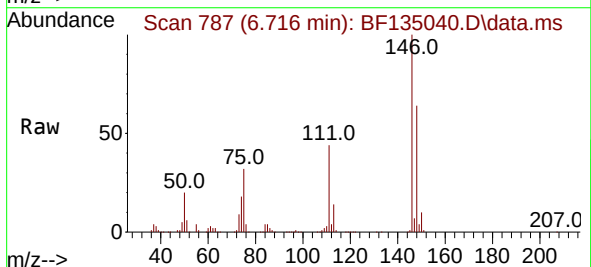
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

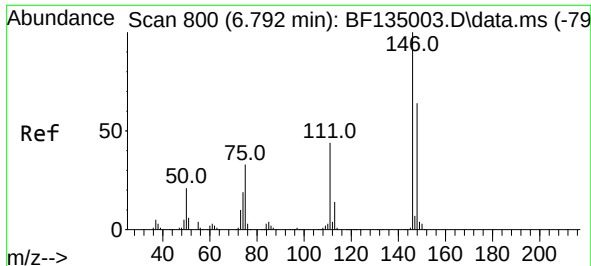
Tgt Ion: 93 Resp: 380028  
Ion Ratio Lower Upper  
93 100  
63 83.0 62.8 102.8  
95 32.7 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 48.061 ng  
RT: 6.716 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:146 Resp: 407108  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.6 77.4  
75 31.9 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 48.590 ng

RT: 6.793 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

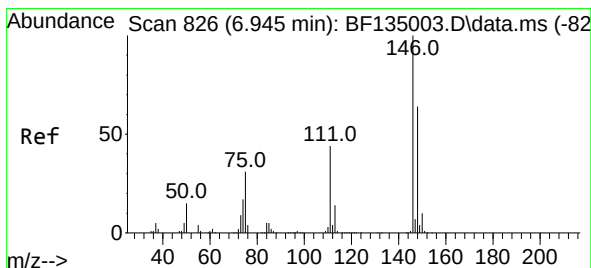
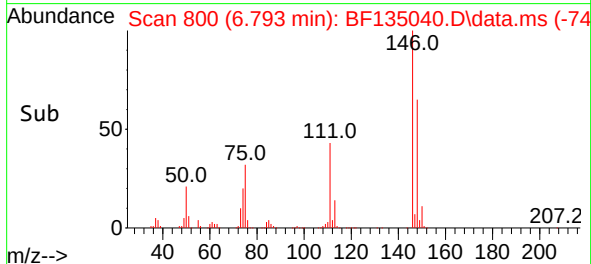
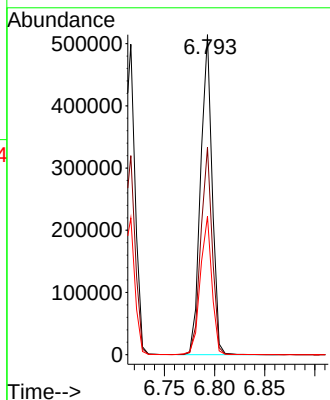
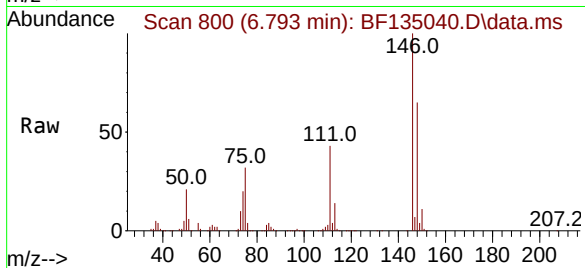
Tgt Ion:146 Resp: 411948

Ion Ratio Lower Upper

146 100

148 64.8 51.5 77.3

111 43.2 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 49.490 ng

RT: 6.940 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

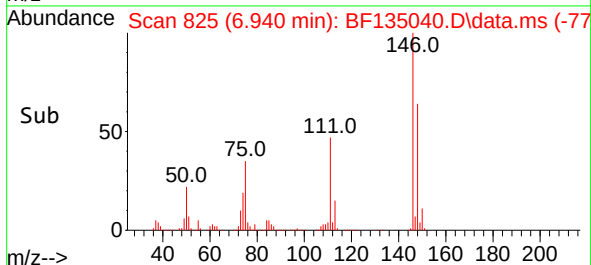
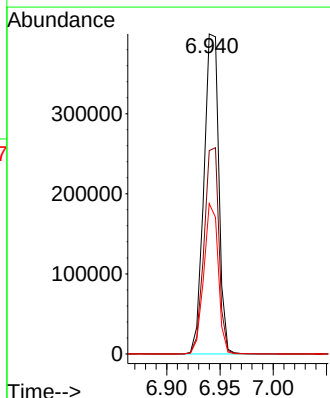
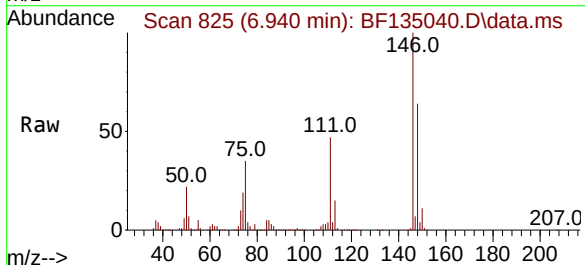
Tgt Ion:146 Resp: 391537

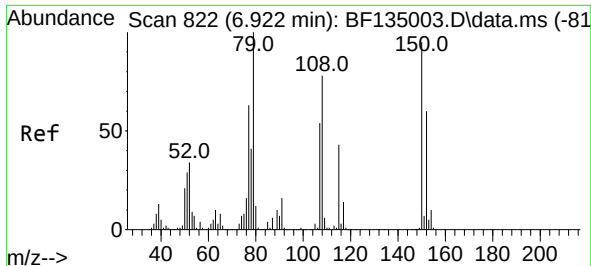
Ion Ratio Lower Upper

146 100

148 63.5 51.1 76.7

111 47.0 35.3 52.9

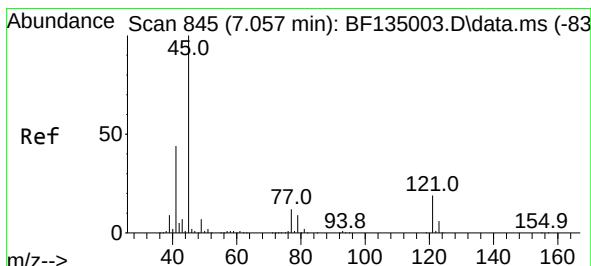
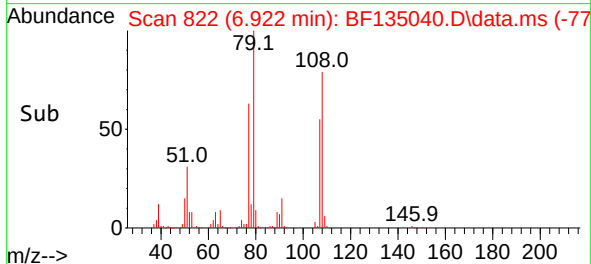
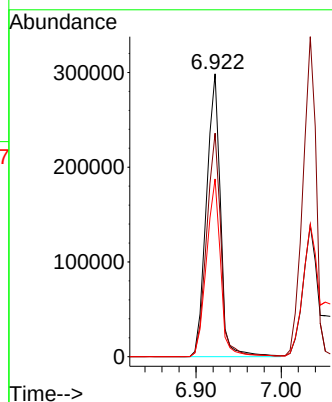
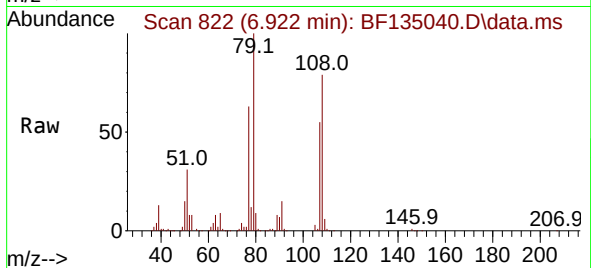




#15  
Benzyl Alcohol  
Concen: 49.509 ng  
RT: 6.922 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

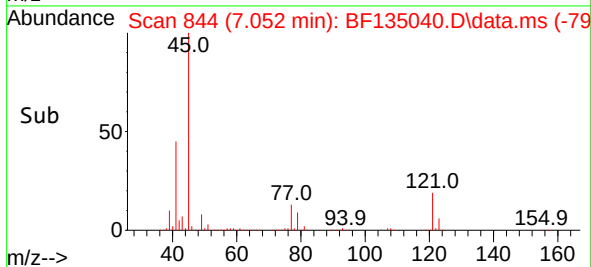
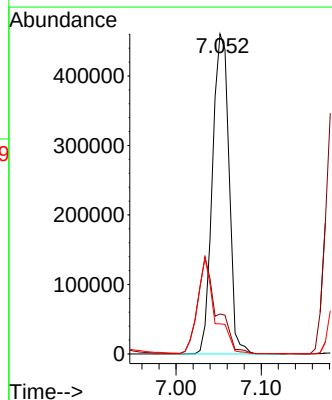
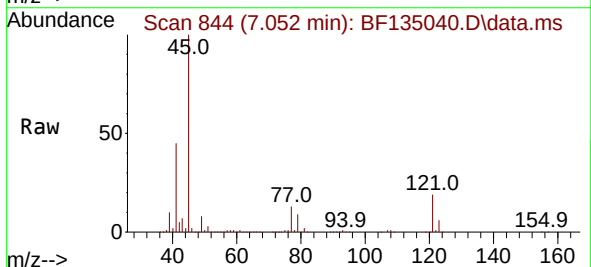
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

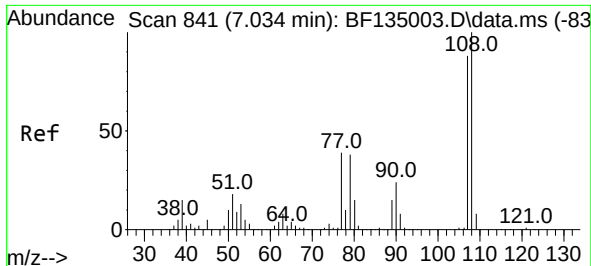
Tgt Ion: 79 Resp: 342157  
Ion Ratio Lower Upper  
79 100  
108 79.0 62.5 93.7  
77 62.8 50.4 75.6



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 46.528 ng  
RT: 7.052 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion: 45 Resp: 621343  
Ion Ratio Lower Upper  
45 100  
77 12.5 0.0 32.3  
79 9.4 0.0 29.5



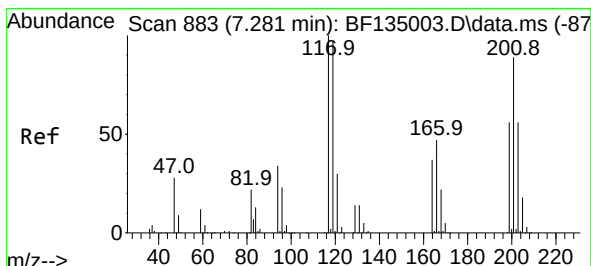
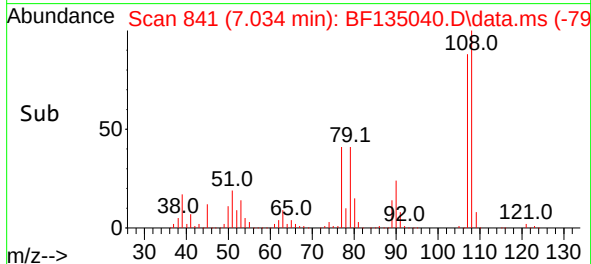
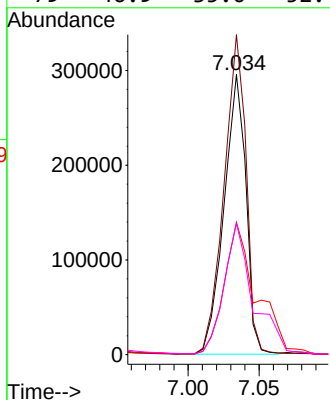
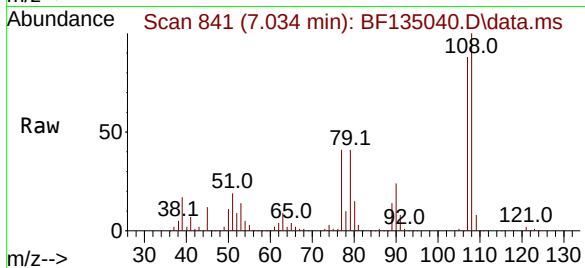


#17  
2-Methylphenol  
Concen: 44.068 ng  
RT: 7.034 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

Tgt Ion:107 Resp: 315721

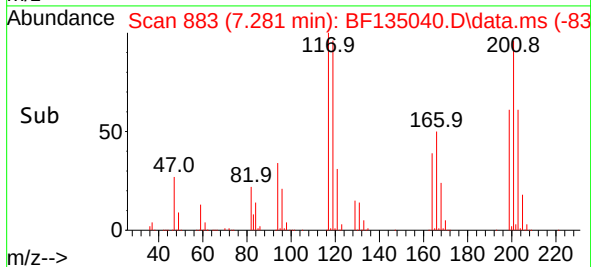
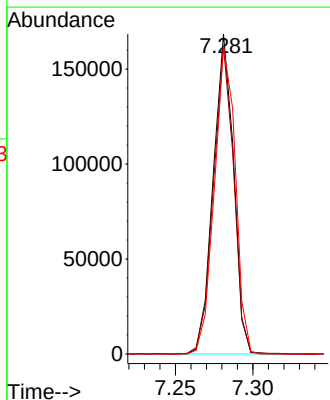
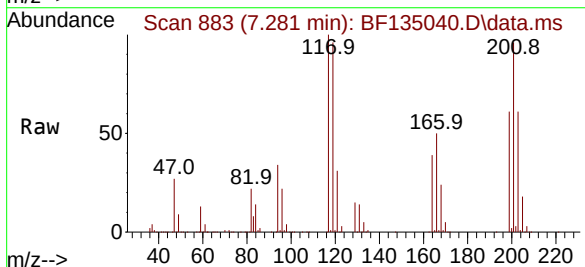
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 114.2 | 91.2  | 136.8 |
| 77  | 47.3  | 36.0  | 54.0  |
| 79  | 46.9  | 35.0  | 52.4  |

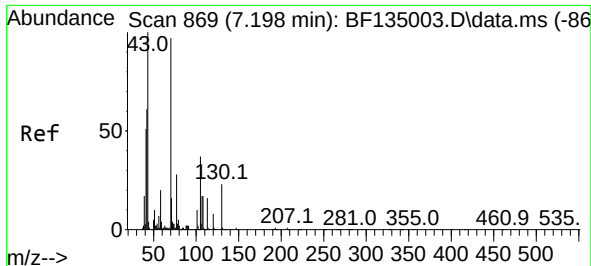


#18  
Hexachloroethane  
Concen: 48.806 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:117 Resp: 153276

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.3  | 77.4  | 116.2 |
| 201 | 95.9  | 71.4  | 107.2 |

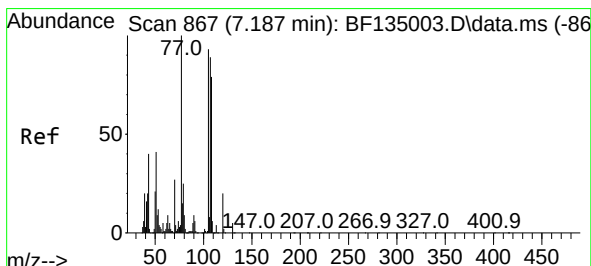
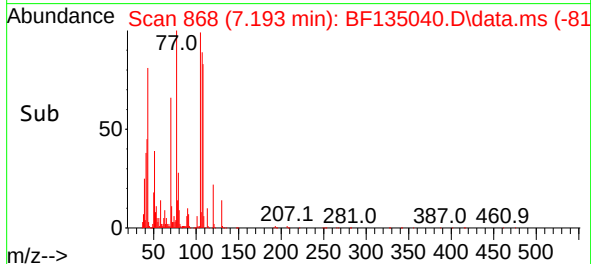
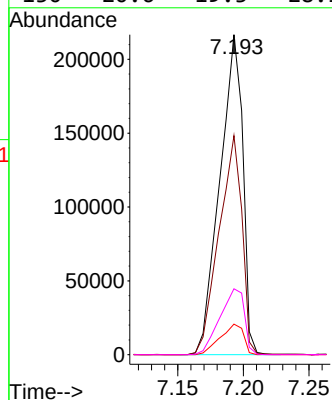
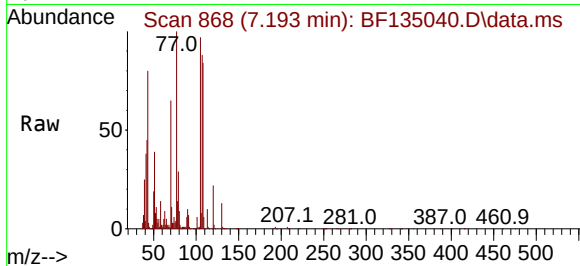




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.937 ng  
RT: 7.193 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

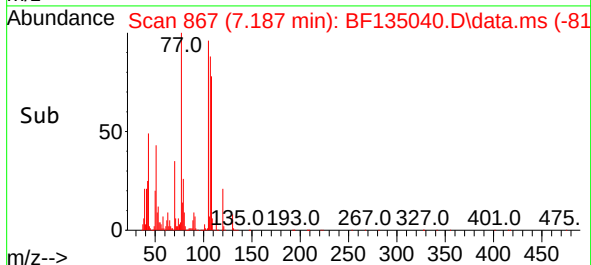
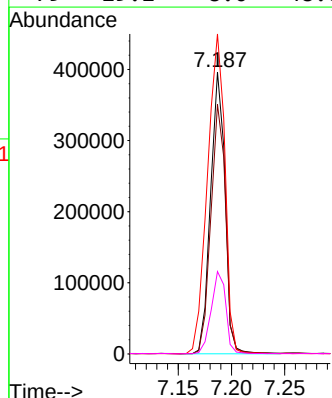
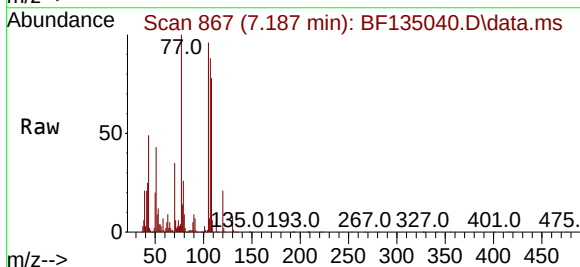
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

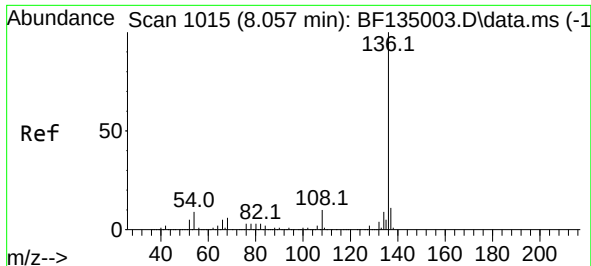
Tgt Ion: 70 Resp: 263263  
Ion Ratio Lower Upper  
70 100  
42 68.4 50.2 75.4  
101 9.6 8.1 12.1  
130 20.6 19.3 28.9



#20  
3+4-Methylphenols  
Concen: 44.325 ng  
RT: 7.187 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:107 Resp: 374647  
Ion Ratio Lower Upper  
107 100  
108 88.5 68.6 108.6  
77 113.5 92.3 132.3  
79 29.2 8.0 48.0

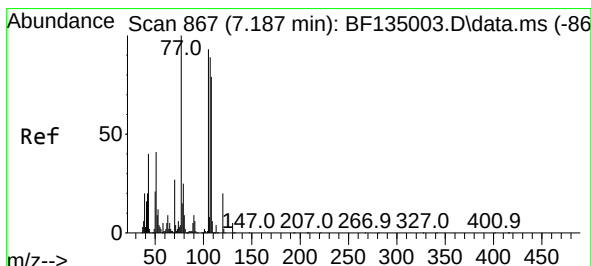
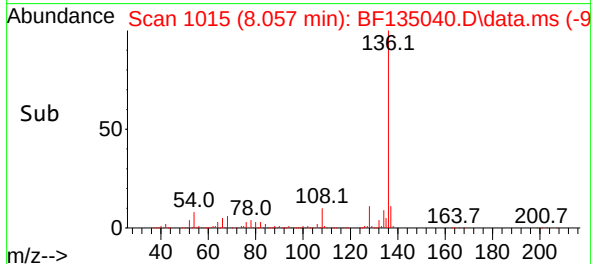
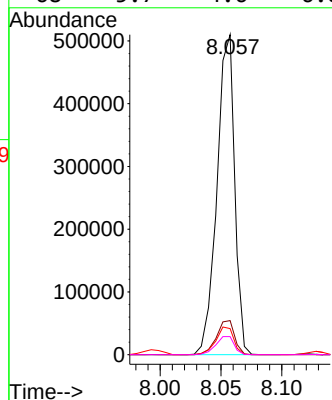
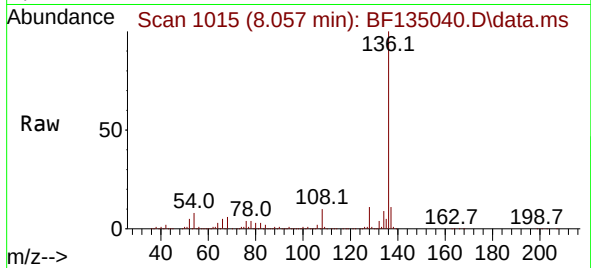




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

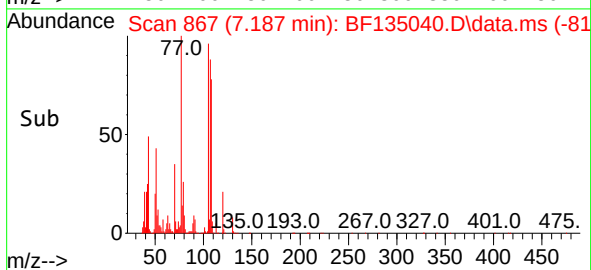
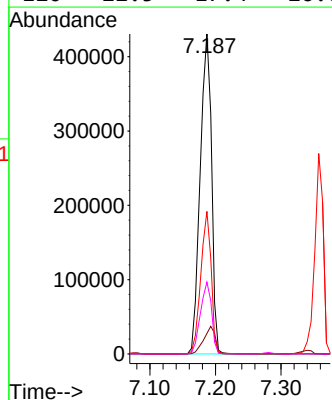
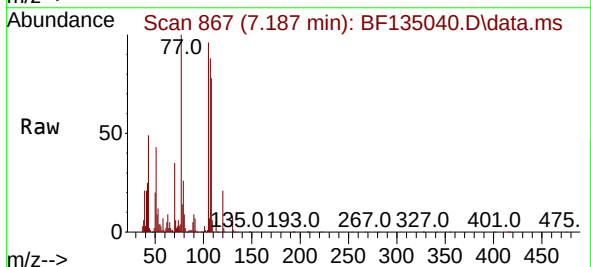
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

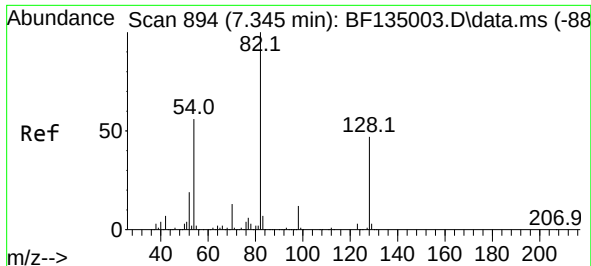
Tgt Ion:136 Resp: 516498  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 8.2 7.0 10.4  
68 5.7 4.6 6.8



#22  
Acetophenone  
Concen: 45.279 ng  
RT: 7.187 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:105 Resp: 520179  
Ion Ratio Lower Upper  
105 100  
71 6.4 3.8 5.6#  
51 44.5 35.0 52.6  
120 22.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 86.791 ng

RT: 7.340 min Scan# 894

Delta R.T. -0.005 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

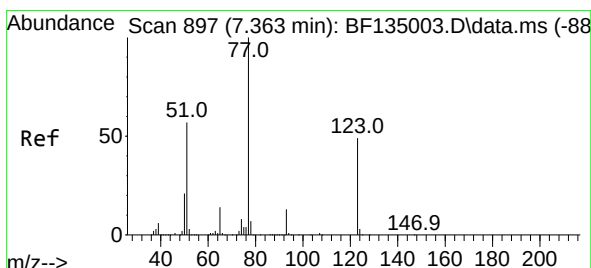
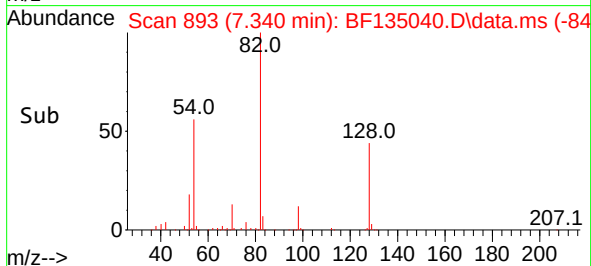
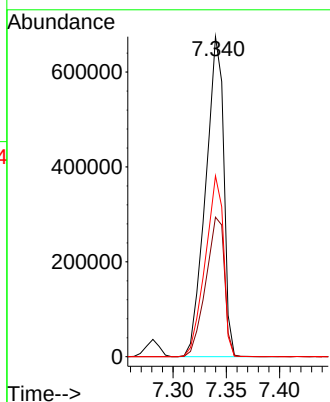
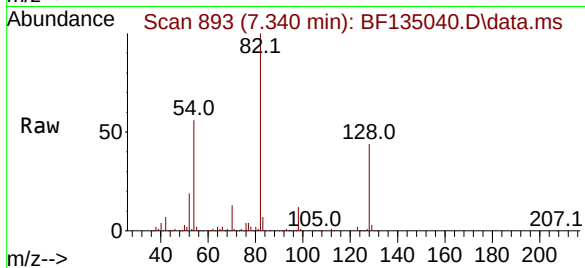
Tgt Ion: 82 Resp: 797918

Ion Ratio Lower Upper

82 100

128 43.6 37.8 56.8

54 56.5 45.0 67.6



#24

Nitrobenzene

Concen: 44.191 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

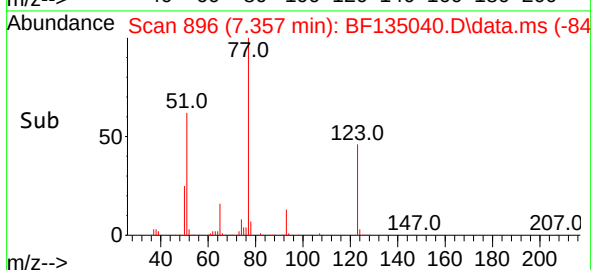
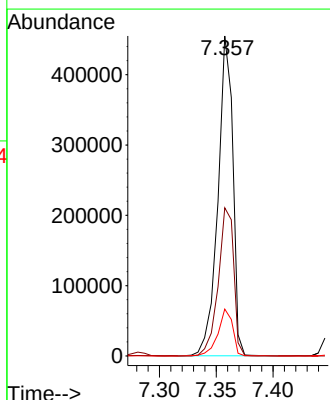
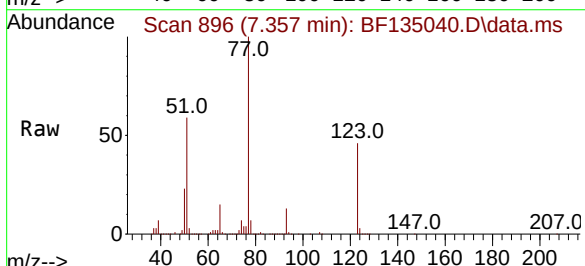
Tgt Ion: 77 Resp: 416747

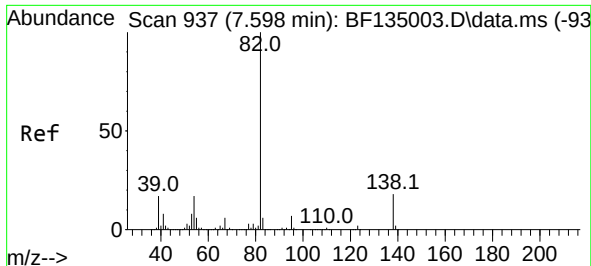
Ion Ratio Lower Upper

77 100

123 46.3 39.4 59.2

65 14.7 11.4 17.2

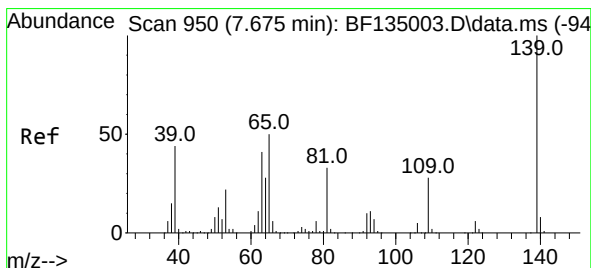
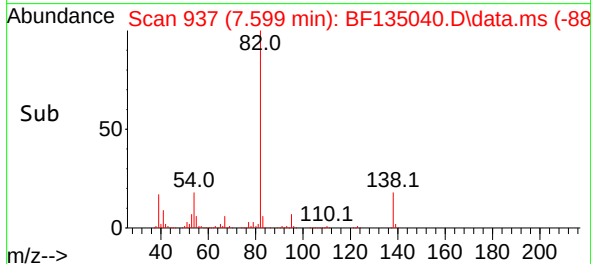
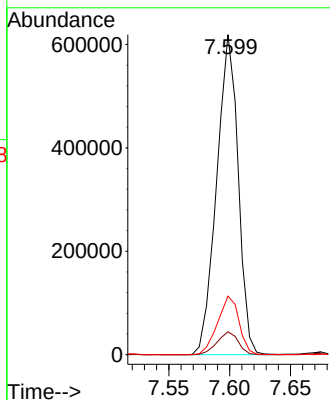
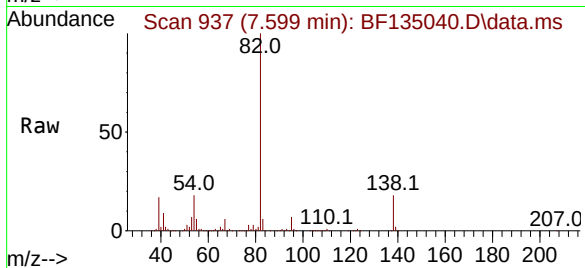




#25  
Isophorone  
Concen: 43.648 ng  
RT: 7.599 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

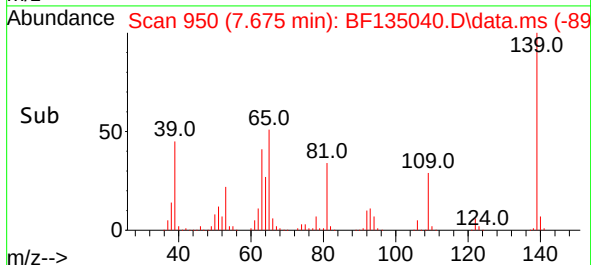
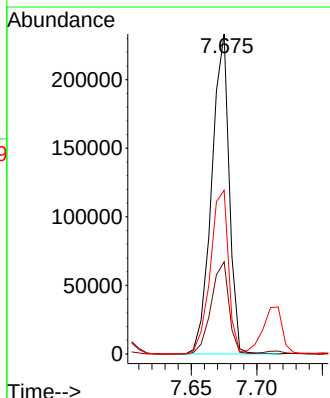
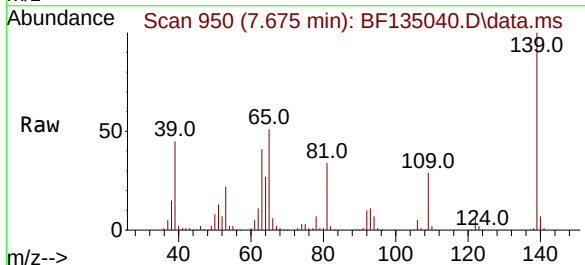
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

Tgt Ion: 82 Resp: 760823  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.6 8.4  
138 18.3 14.7 22.1

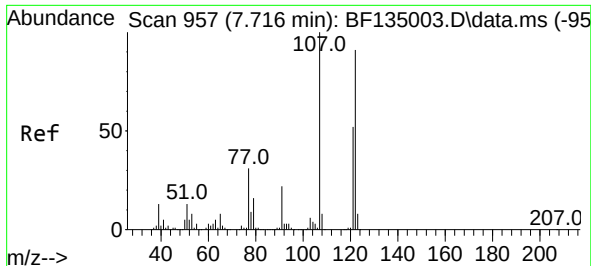


#26  
2-Nitrophenol  
Concen: 46.608 ng  
RT: 7.675 min Scan# 950  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion: 139 Resp: 217162  
Ion Ratio Lower Upper  
139 100  
109 28.8 22.6 34.0  
65 51.2 40.3 60.5







#27

2,4-Dimethylphenol

Concen: 46.342 ng

RT: 7.716 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135040.D

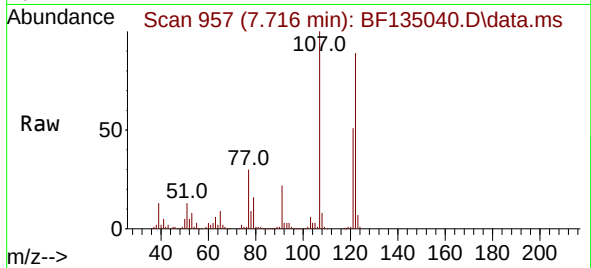
Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS



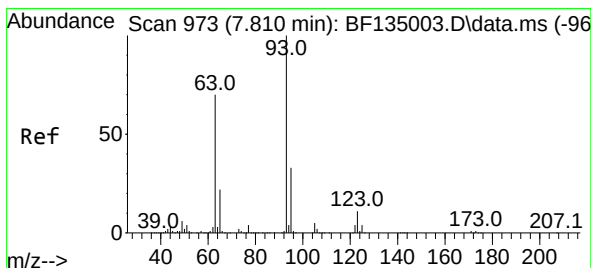
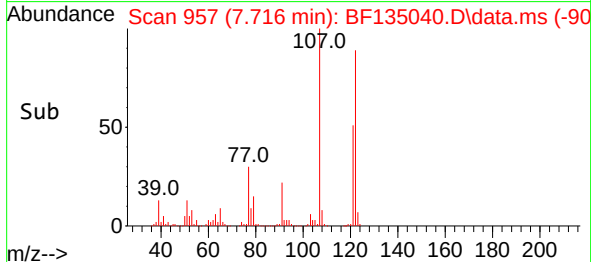
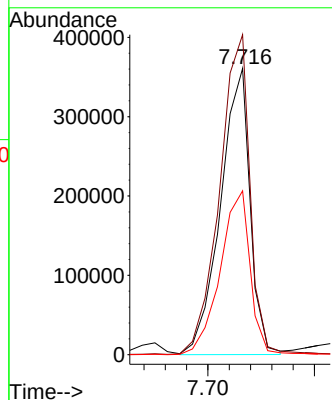
Tgt Ion:122 Resp: 347627

Ion Ratio Lower Upper

122 100

107 111.8 87.8 131.8

121 57.2 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 43.689 ng

RT: 7.810 min Scan# 973

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

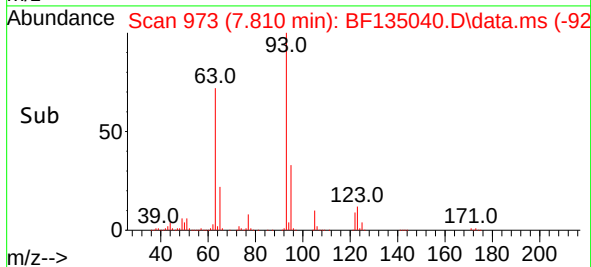
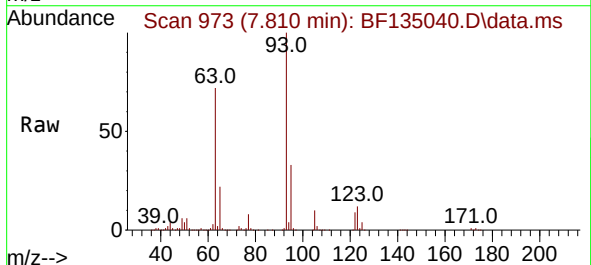
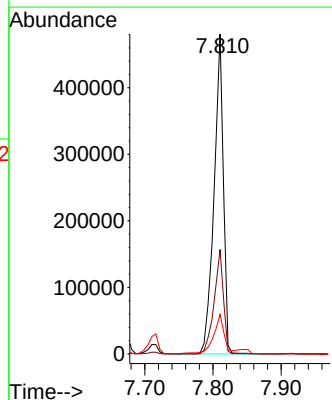
Tgt Ion: 93 Resp: 459383

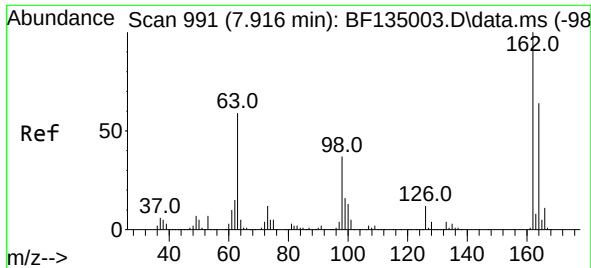
Ion Ratio Lower Upper

93 100

95 32.7 26.0 39.0

123 12.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 45.663 ng

RT: 7.916 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF135040.D

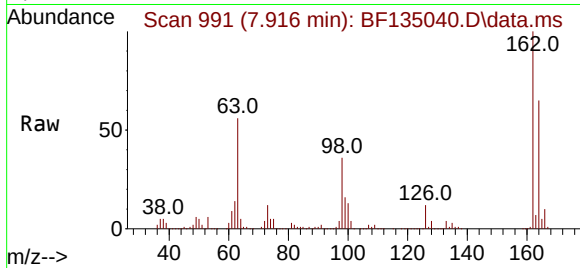
Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS



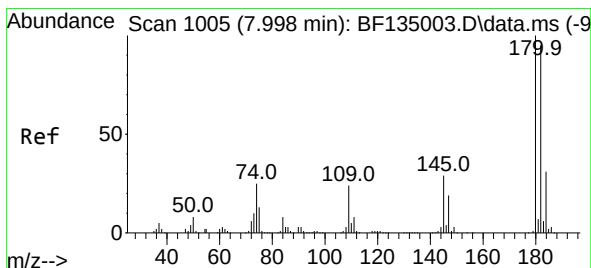
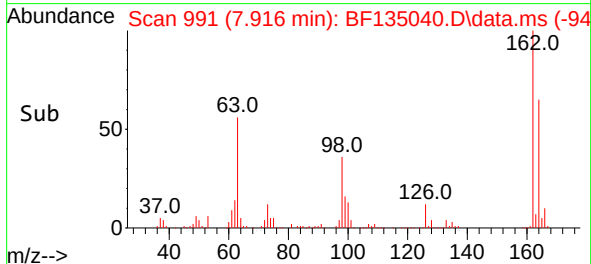
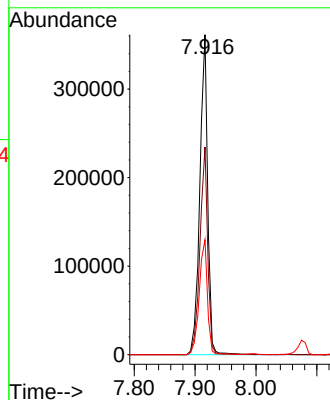
Tgt Ion:162 Resp: 325549

Ion Ratio Lower Upper

162 100

164 64.9 44.2 84.2

98 36.0 17.3 57.3



#30

1,2,4-Trichlorobenzene

Concen: 46.136 ng

RT: 7.999 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

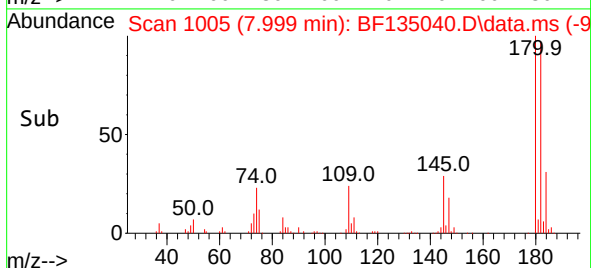
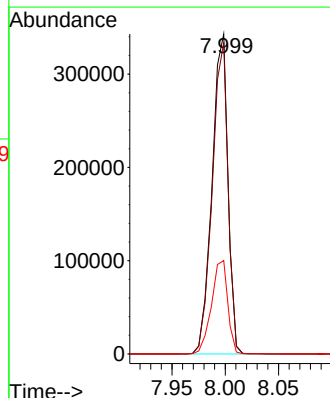
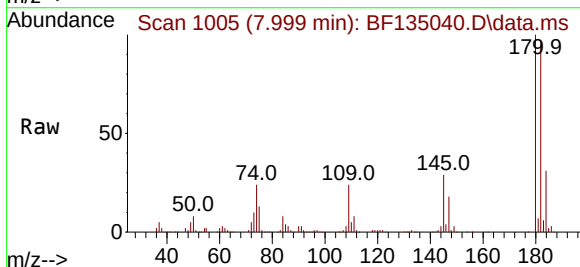
Tgt Ion:180 Resp: 355451

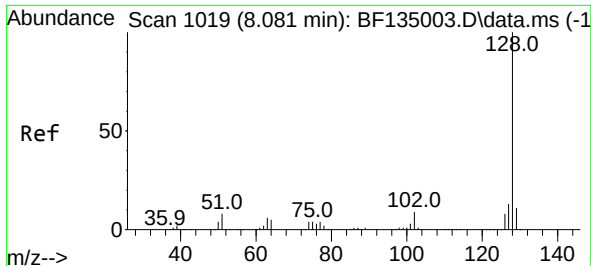
Ion Ratio Lower Upper

180 100

182 97.3 76.3 114.5

145 29.2 23.5 35.3

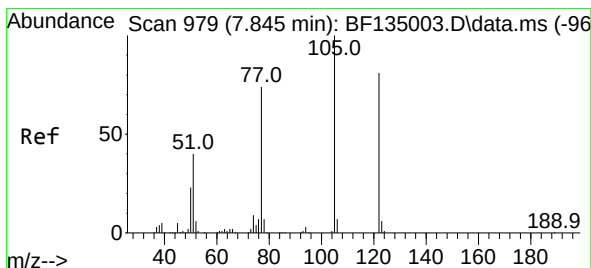
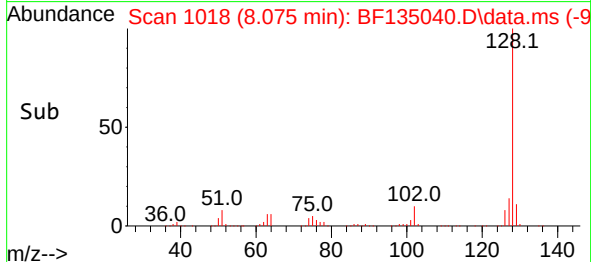
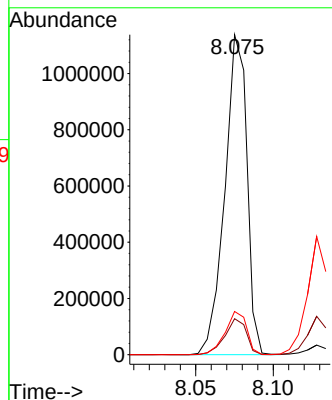
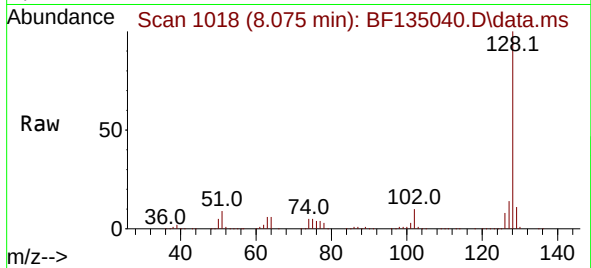




#31  
Naphthalene  
Concen: 44.766 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

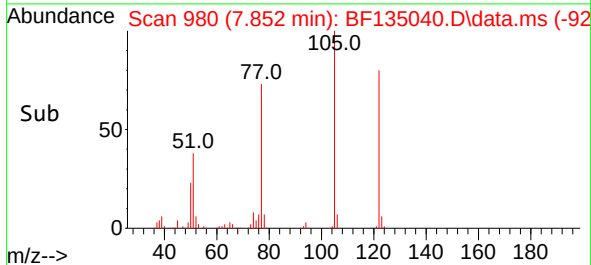
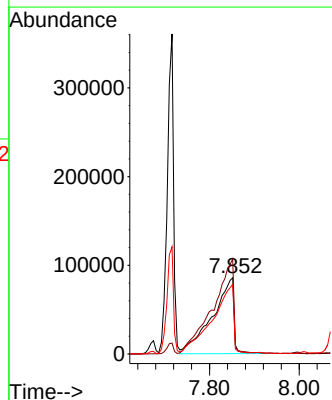
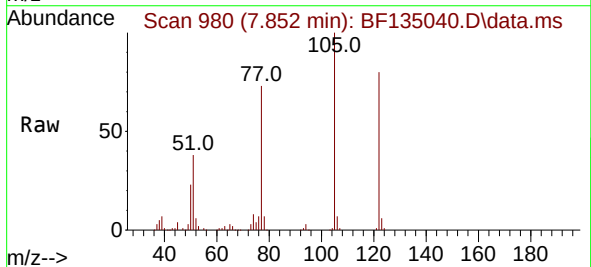
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

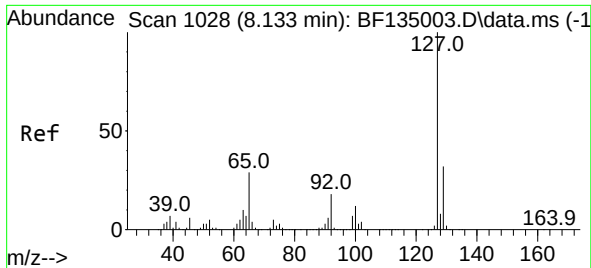
Tgt Ion:128 Resp: 1129482  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.6 13.0  
127 13.5 10.6 16.0



#32  
Benzoic acid  
Concen: 47.734 ng  
RT: 7.852 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:122 Resp: 286437  
Ion Ratio Lower Upper  
122 100  
105 124.8 99.8 139.8  
77 91.2 69.5 109.5

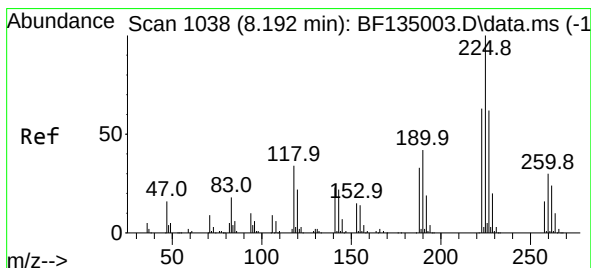
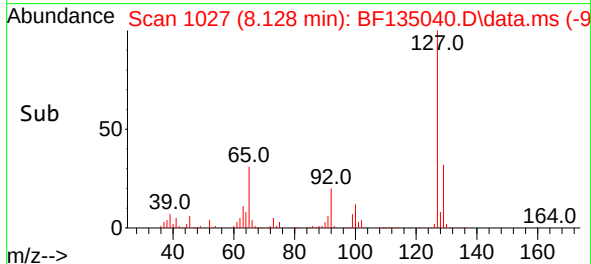
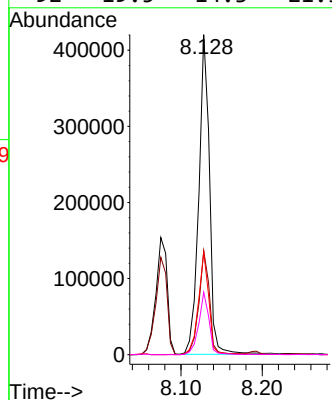
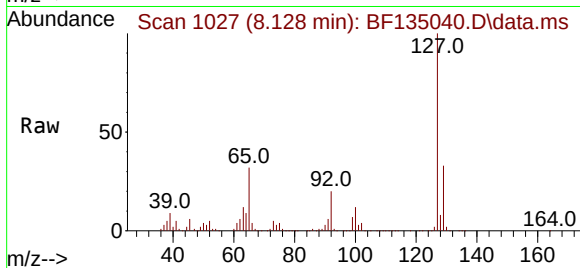




#33  
4-Chloroaniline  
Concen: 35.197 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.005 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

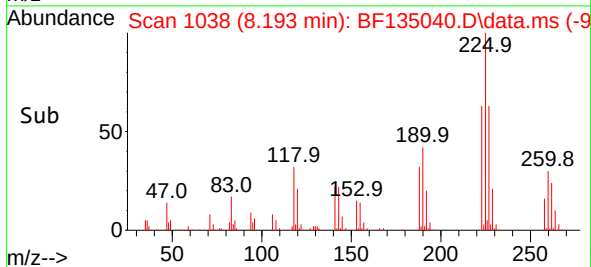
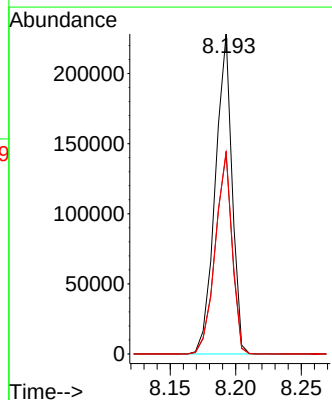
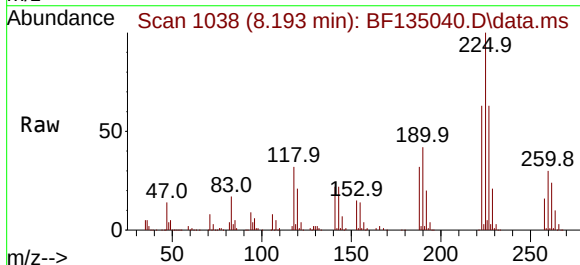
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

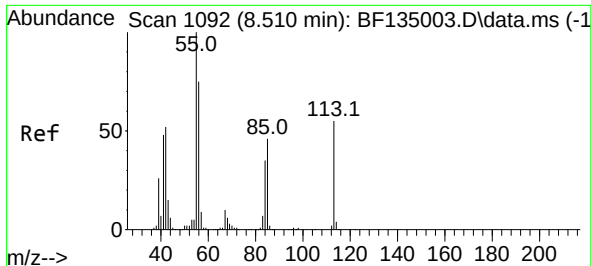
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 388426 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.5    | 25.6 38.4    |
| 65 32.1     | 23.1 34.7    |
| 92 19.5     | 14.3 21.5    |



#34  
Hexachlorobutadiene  
Concen: 46.273 ng  
RT: 8.193 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 202322 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 62.7    | 50.7 76.1    |
| 227 63.3    | 49.6 74.4    |

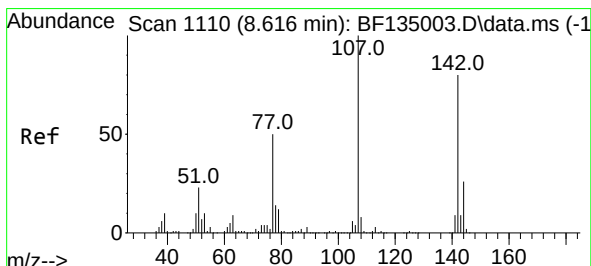
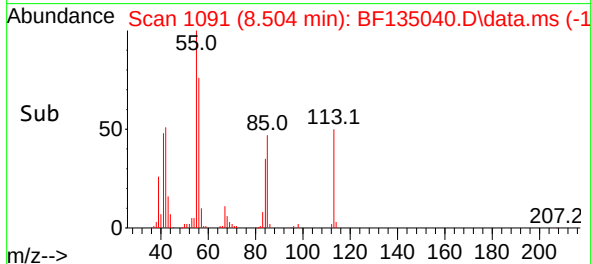
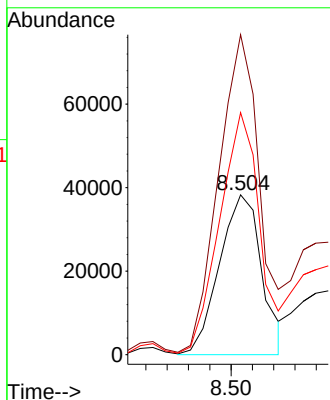
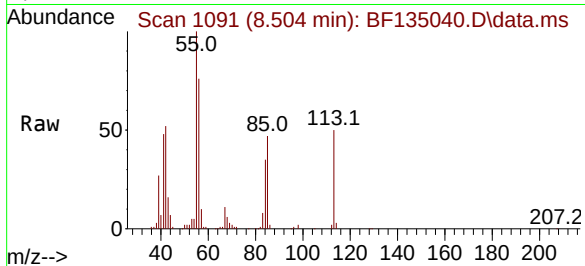




#35  
 Caprolactam  
 Concen: 22.627 ng  
 RT: 8.504 min Scan# 1091  
 Delta R.T. -0.005 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

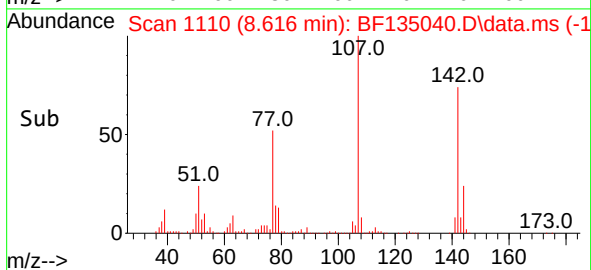
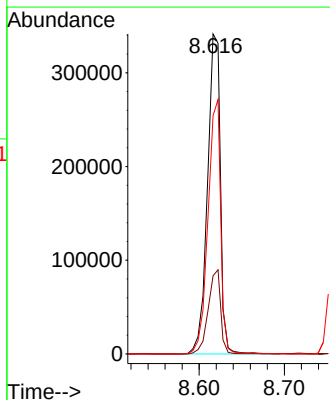
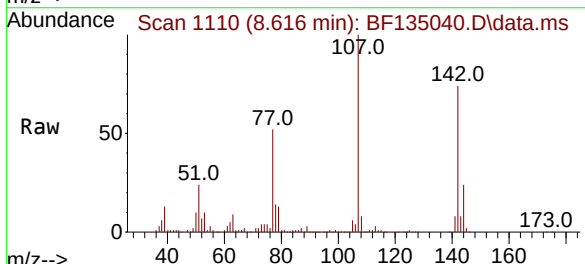
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155118BS

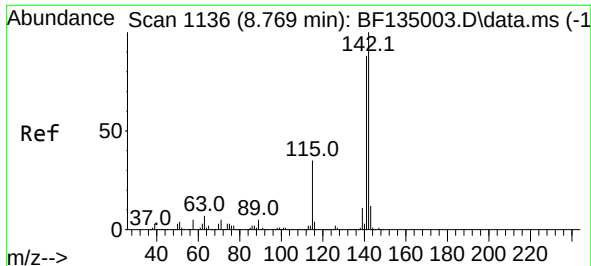
Tgt Ion:113 Resp: 52820  
 Ion Ratio Lower Upper  
 113 100  
 55 200.1 160.6 200.6  
 56 151.4 115.4 155.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.371 ng  
 RT: 8.616 min Scan# 1110  
 Delta R.T. 0.000 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Tgt Ion:107 Resp: 359077  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 20.6 31.0  
 142 74.5 64.4 96.6

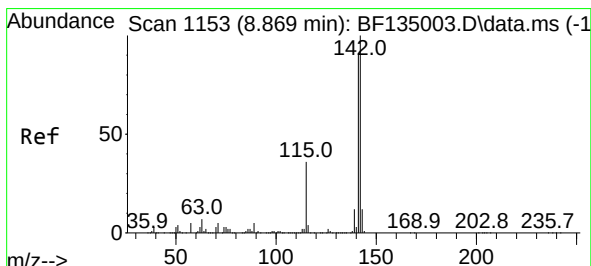
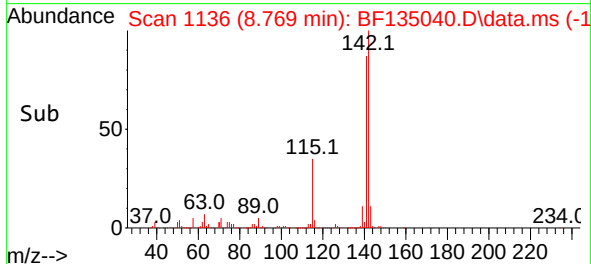
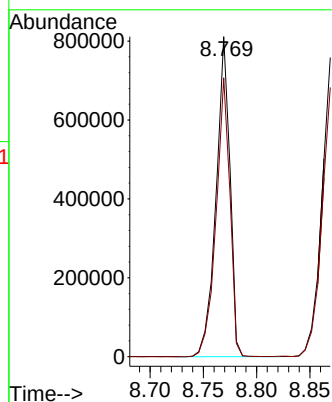
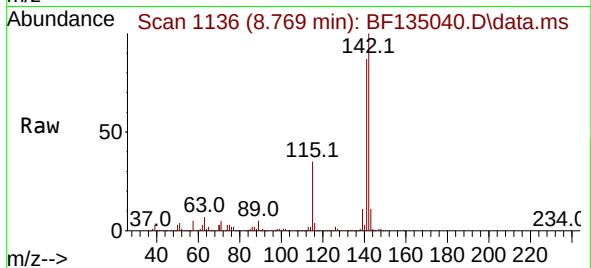




#37  
2-Methylnaphthalene  
Concen: 43.421 ng  
RT: 8.769 min Scan# 1136  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

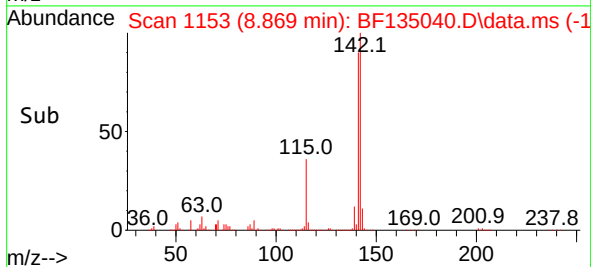
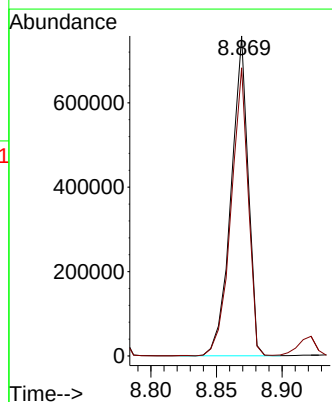
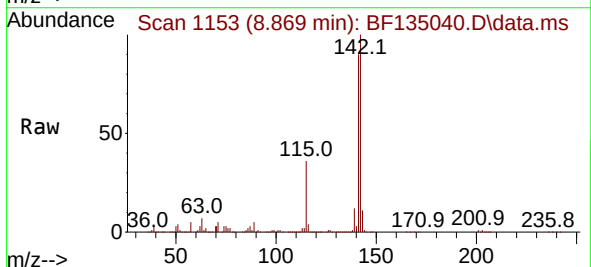
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

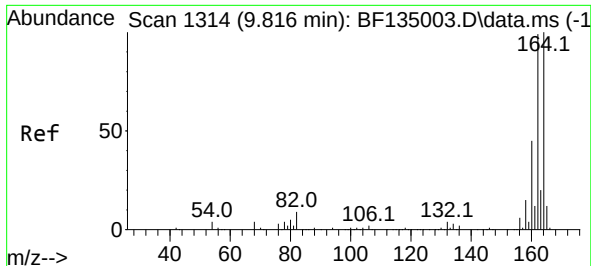
Tgt Ion:142 Resp: 730976  
Ion Ratio Lower Upper  
142 100  
141 87.2 70.7 106.1



#38  
1-Methylnaphthalene  
Concen: 43.713 ng  
RT: 8.869 min Scan# 1153  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:142 Resp: 688554  
Ion Ratio Lower Upper  
142 100  
141 90.0 73.0 109.4

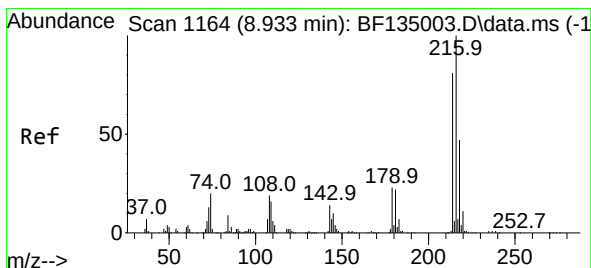
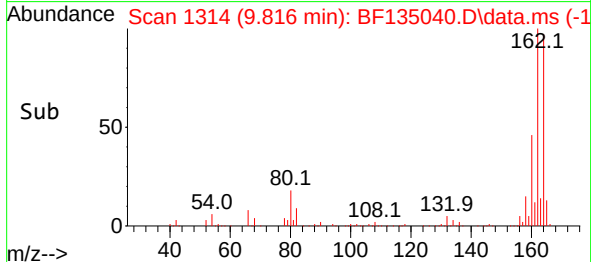
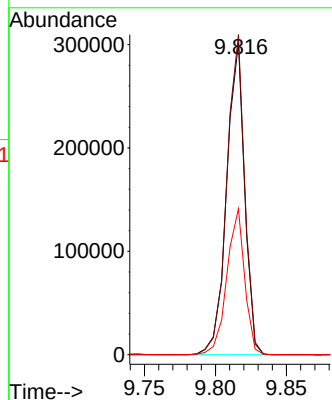
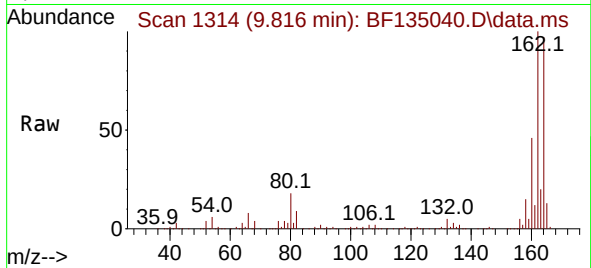




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1164  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

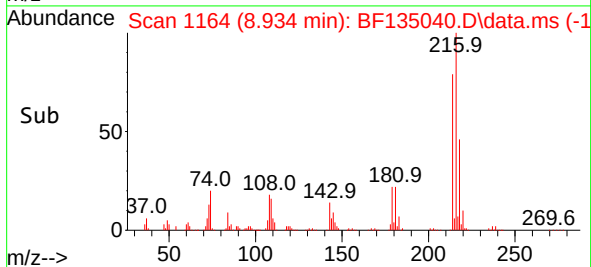
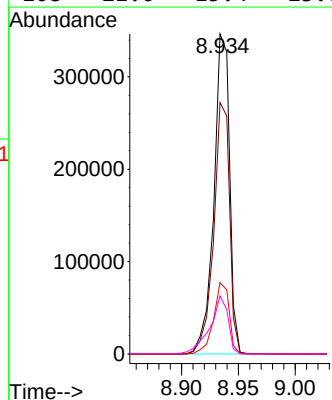
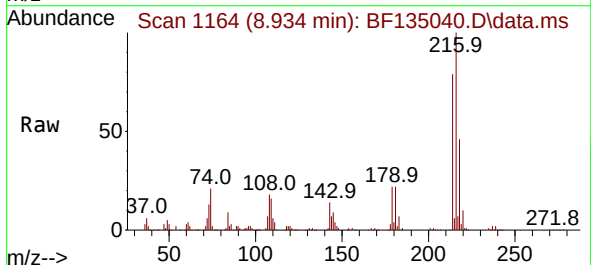
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

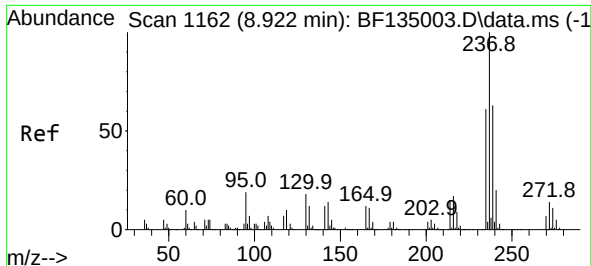
Tgt Ion:164 Resp: 264366  
Ion Ratio Lower Upper  
164 100  
162 102.7 79.5 119.3  
160 46.8 36.0 54.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.012 ng  
RT: 8.934 min Scan# 1164  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:216 Resp: 333119  
Ion Ratio Lower Upper  
216 100  
214 79.2 63.8 95.8  
179 22.0 17.7 26.5  
108 21.0 15.4 23.0

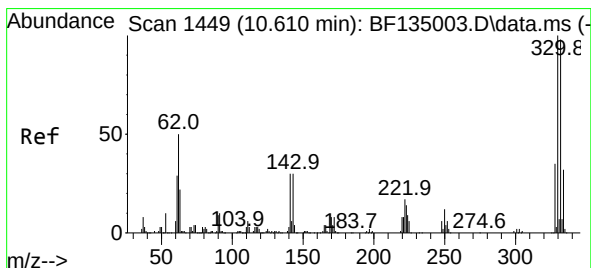
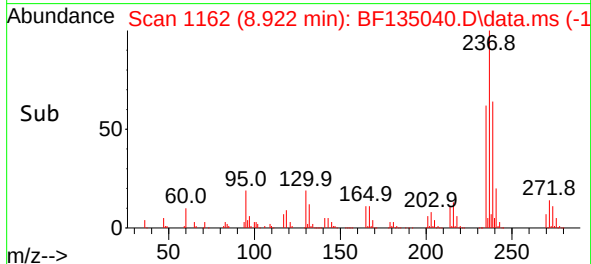
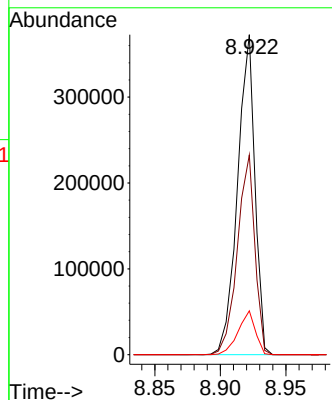
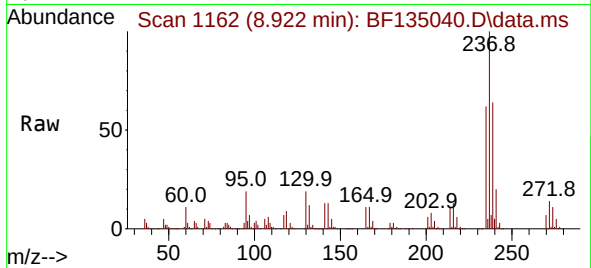




#41  
Hexachlorocyclopentadiene  
Concen: 109.558 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

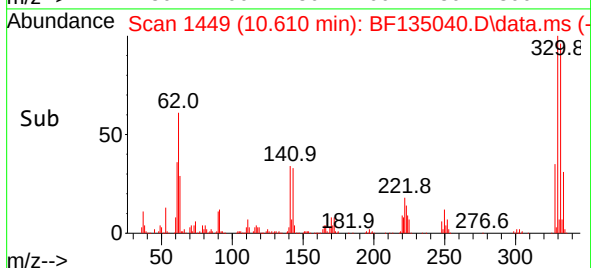
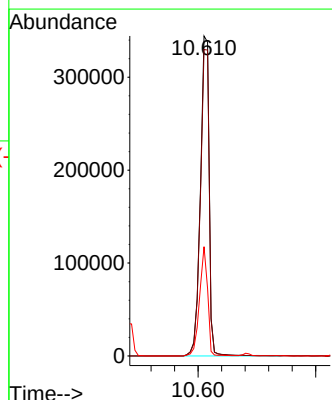
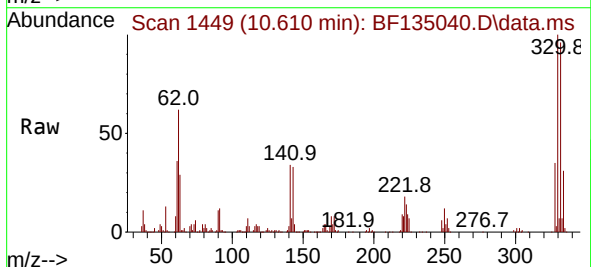
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

Tgt Ion:237 Resp: 345092  
Ion Ratio Lower Upper  
237 100  
235 62.4 40.9 80.9  
272 13.7 0.0 33.9

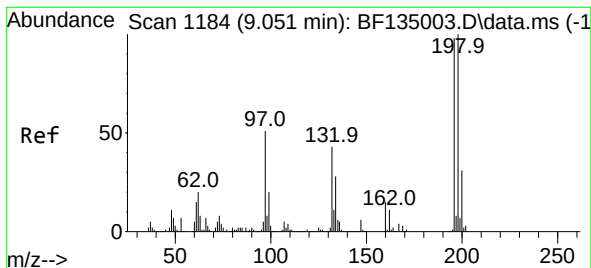


#42  
2,4,6-Tribromophenol  
Concen: 126.960 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:330 Resp: 356043  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.6 116.4  
141 31.6 26.3 39.5







#43

2,4,6-Trichlorophenol

Concen: 46.716 ng

RT: 9.051 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

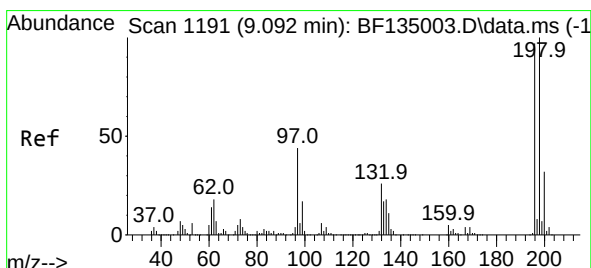
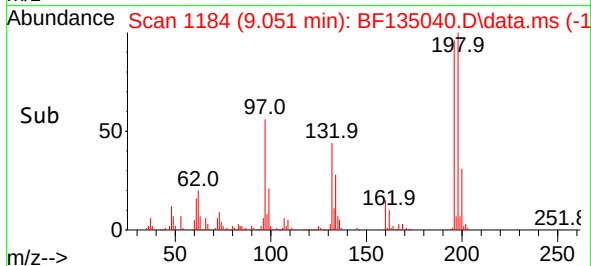
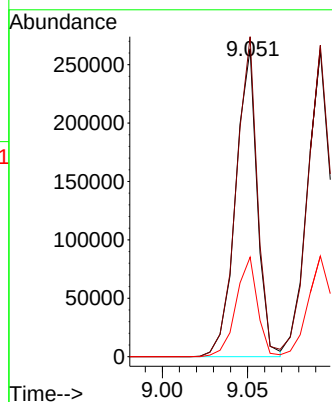
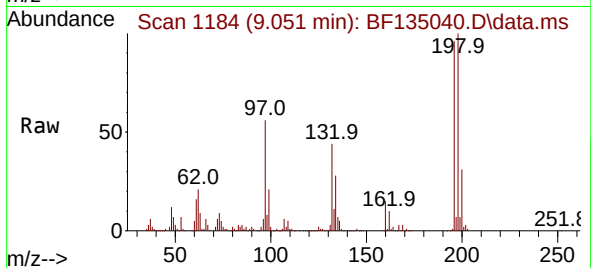
Tgt Ion:196 Resp: 232186

Ion Ratio Lower Upper

196 100

198 103.9 81.8 122.6

200 32.3 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 43.344 ng

RT: 9.093 min Scan# 1191

Delta R.T. 0.001 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Tgt Ion:196 Resp: 249405

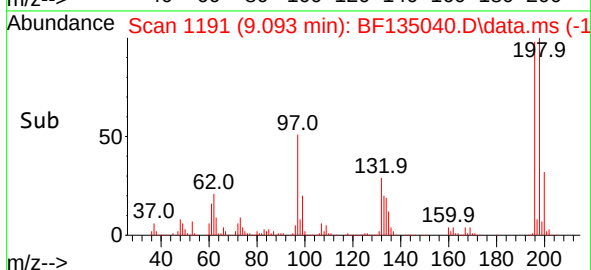
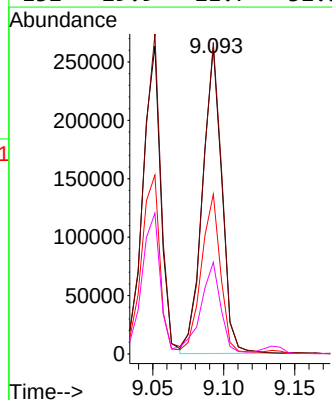
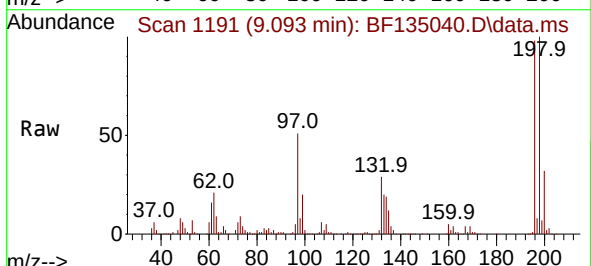
Ion Ratio Lower Upper

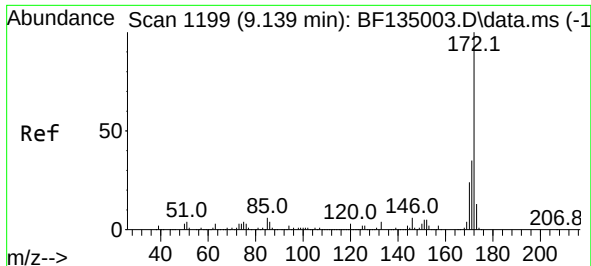
196 100

198 101.5 82.8 124.2

97 52.1 36.5 54.7

132 29.9 21.7 32.5





#45

2-Fluorobiphenyl

Concen: 86.064 ng

RT: 9.134 min Scan# 1199

Delta R.T. -0.005 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

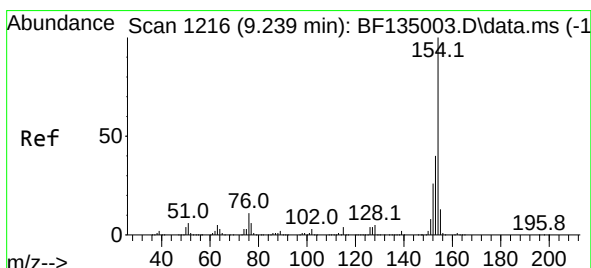
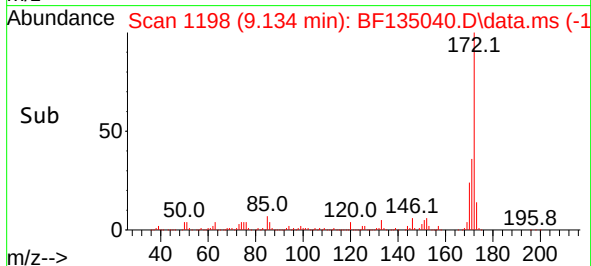
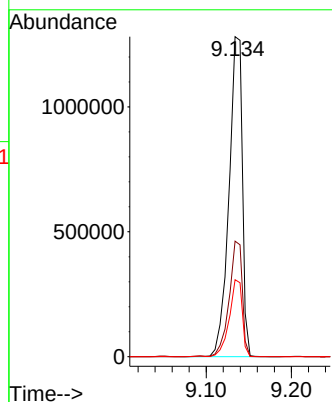
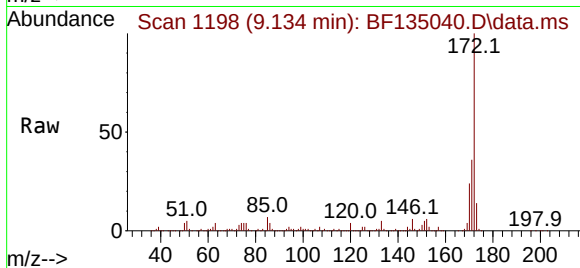
Tgt Ion:172 Resp: 1397482

Ion Ratio Lower Upper

172 100

171 36.1 28.2 42.2

170 24.0 19.0 28.4



#46

1,1'-Biphenyl

Concen: 44.929 ng

RT: 9.234 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

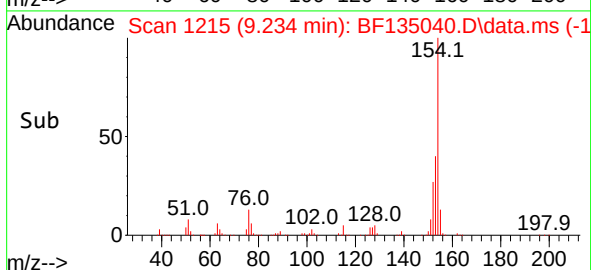
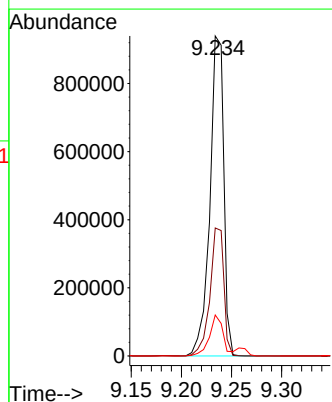
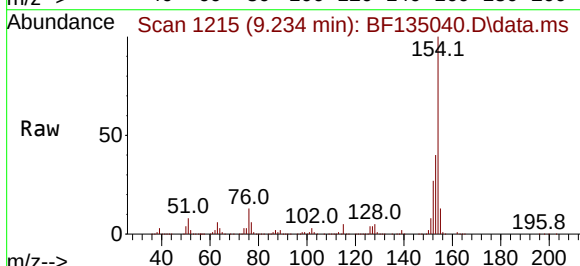
Tgt Ion:154 Resp: 907488

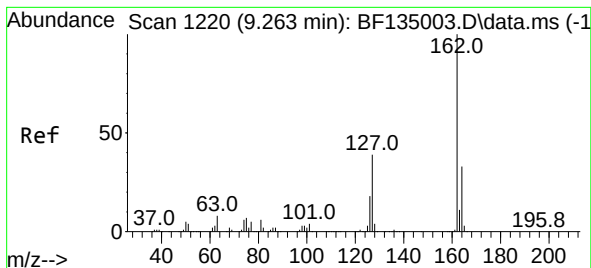
Ion Ratio Lower Upper

154 100

153 40.0 20.2 60.2

76 12.8 0.0 31.2





#47

2-Chloronaphthalene

Concen: 45.908 ng

RT: 9.263 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

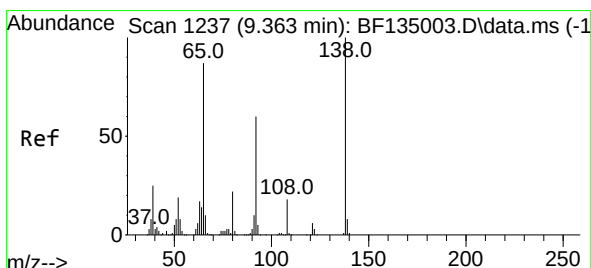
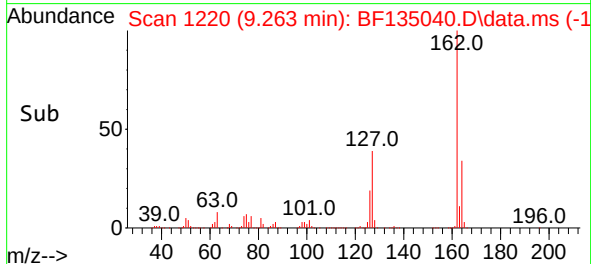
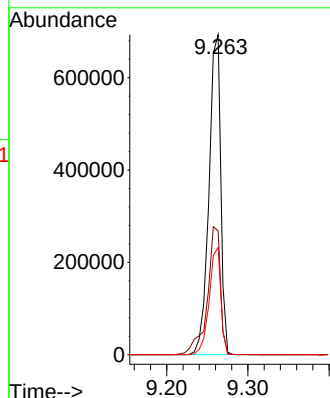
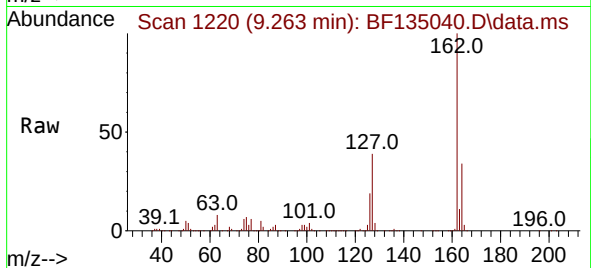
Tgt Ion:162 Resp: 697287

Ion Ratio Lower Upper

162 100

127 38.7 31.8 47.6

164 33.5 26.6 39.8



#48

2-Nitroaniline

Concen: 46.301 ng

RT: 9.363 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

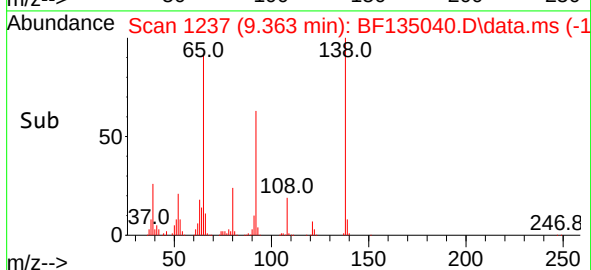
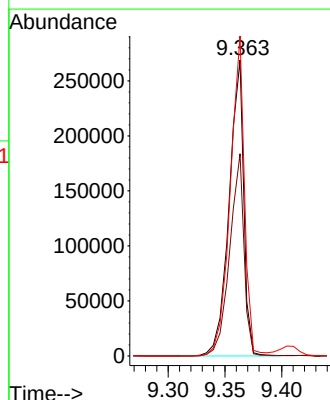
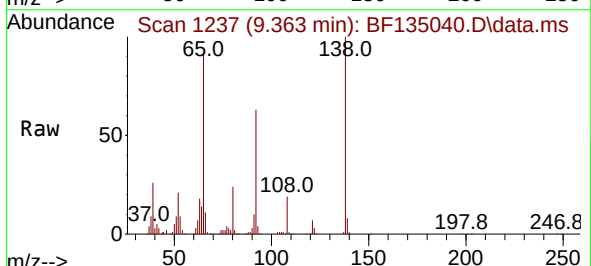
Tgt Ion: 65 Resp: 240742

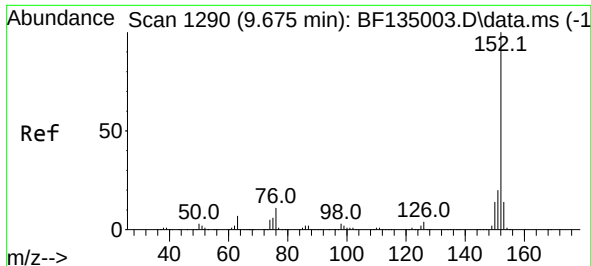
Ion Ratio Lower Upper

65 100

92 68.4 54.9 82.3

138 108.2 91.6 137.4

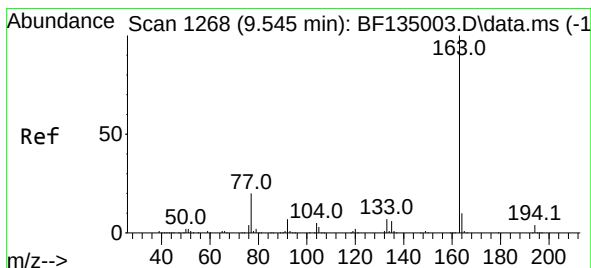
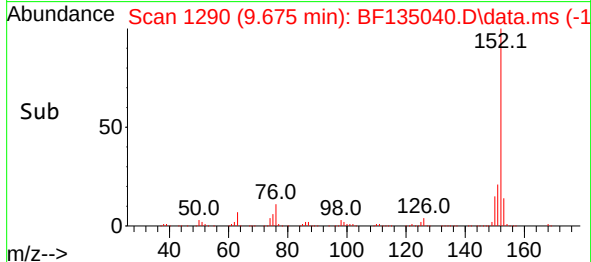
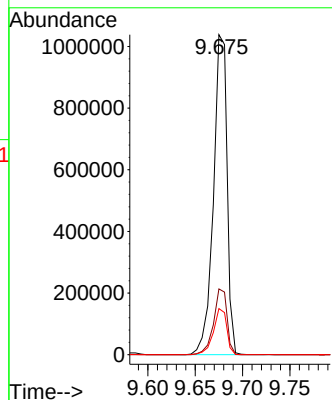
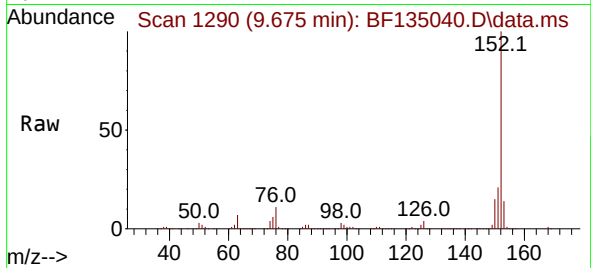




#49  
Acenaphthylene  
Concen: 45.393 ng  
RT: 9.675 min Scan# 1290  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

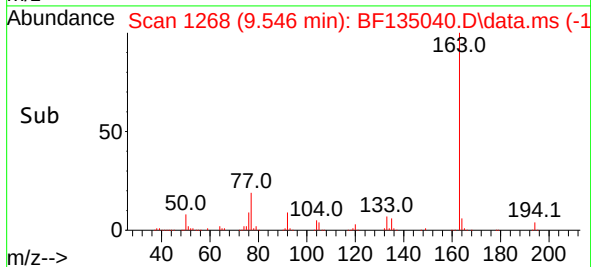
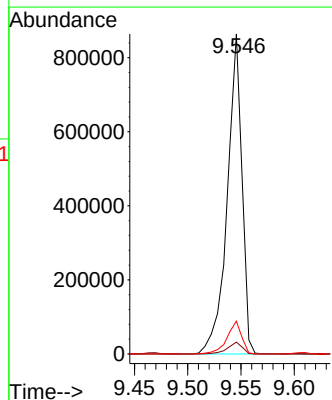
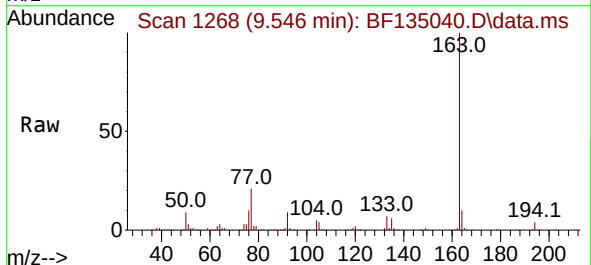
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

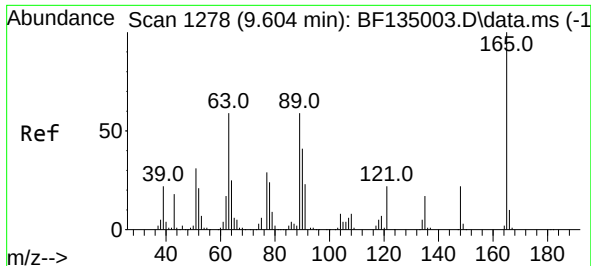
Tgt Ion:152 Resp: 1042246  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.4  
153 14.4 11.4 17.0



#50  
Dimethylphthalate  
Concen: 44.640 ng  
RT: 9.546 min Scan# 1268  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:163 Resp: 826339  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.0 4.6  
164 10.2 8.1 12.1

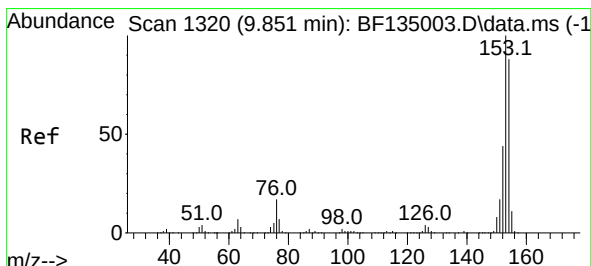
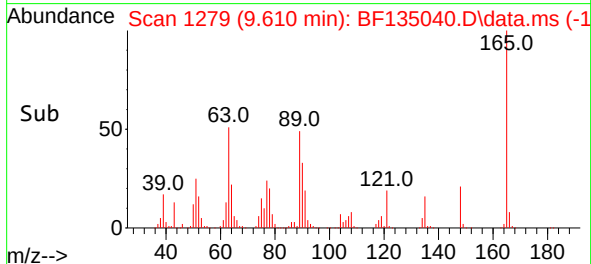
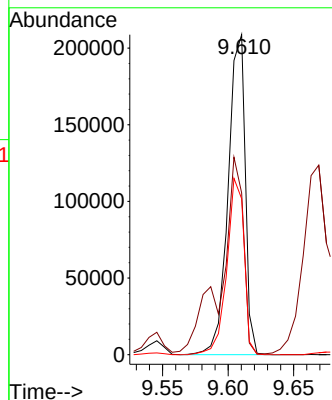
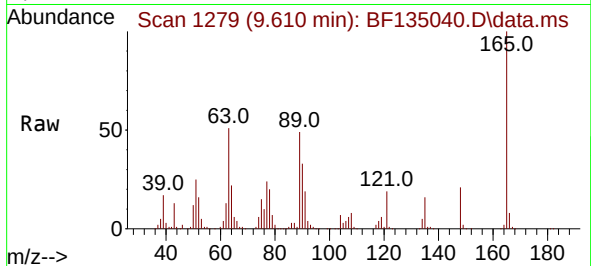




#51  
2,6-Dinitrotoluene  
Concen: 46.714 ng  
RT: 9.610 min Scan# 1279  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

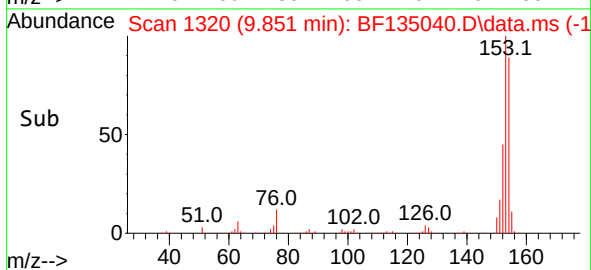
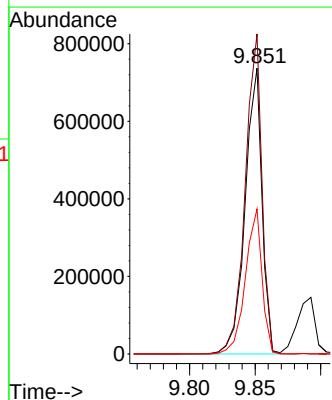
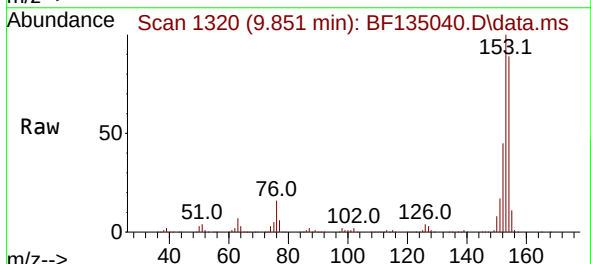
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

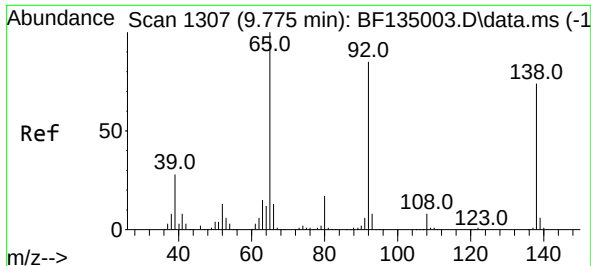
Tgt Ion:165 Resp: 189742  
Ion Ratio Lower Upper  
165 100  
63 50.5 50.4 75.6  
89 48.7 47.1 70.7



#52  
Acenaphthene  
Concen: 45.269 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:154 Resp: 662374  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.8 136.2  
152 50.7 40.2 60.4

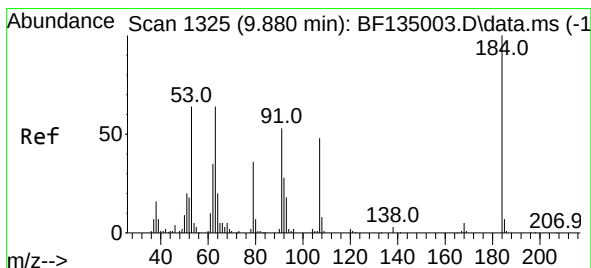
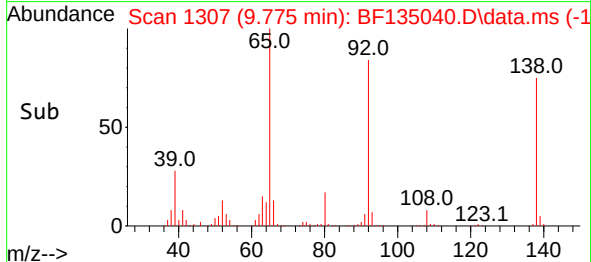
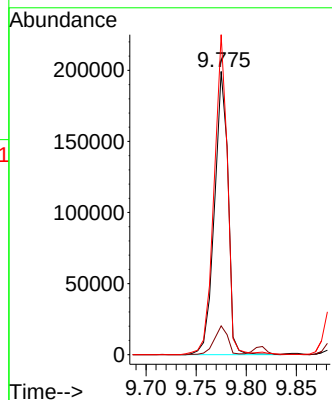
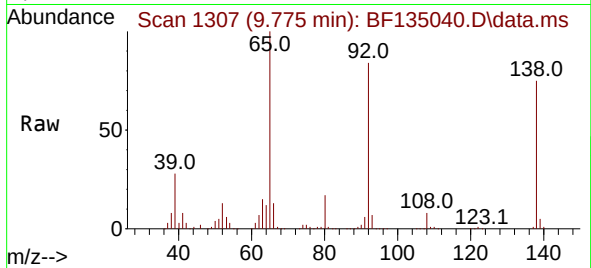




#53  
3-Nitroaniline  
Concen: 39.667 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

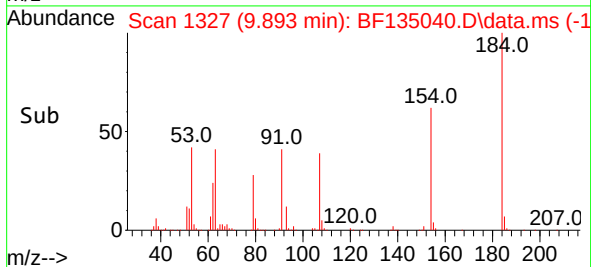
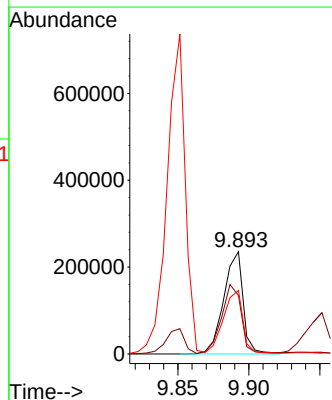
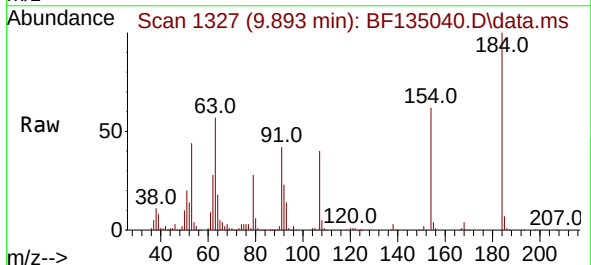
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

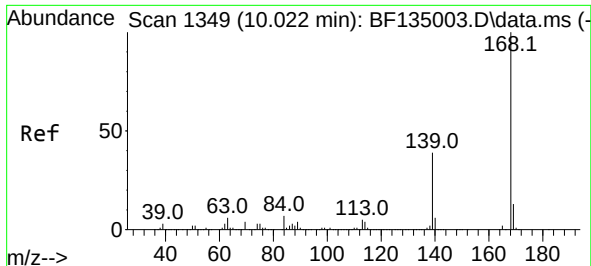
Tgt Ion:138 Resp: 187686  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.6 13.0  
92 113.0 92.2 138.4



#54  
2,4-Dinitrophenol  
Concen: 115.349 ng  
RT: 9.893 min Scan# 1327  
Delta R.T. 0.012 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:184 Resp: 223924  
Ion Ratio Lower Upper  
184 100  
63 57.3 62.2 93.2#  
154 62.2 52.3 78.5

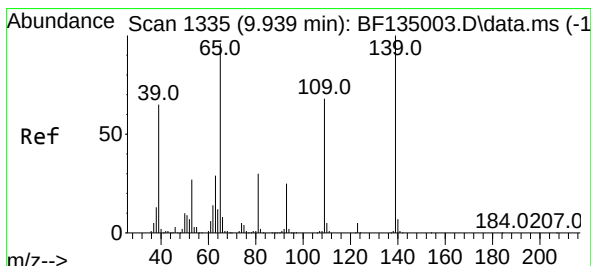
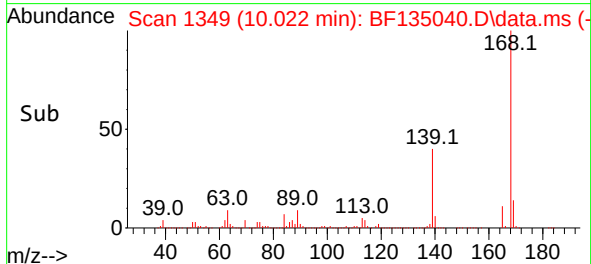
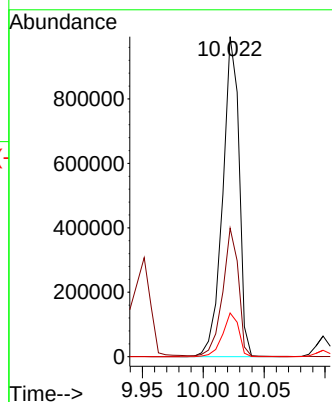
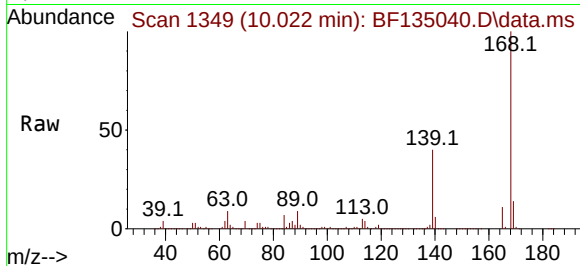




#55  
Dibenzofuran  
Concen: 44.209 ng  
RT: 10.022 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

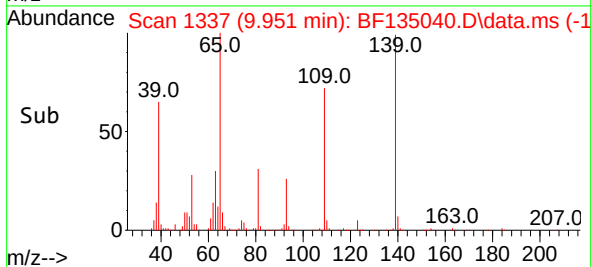
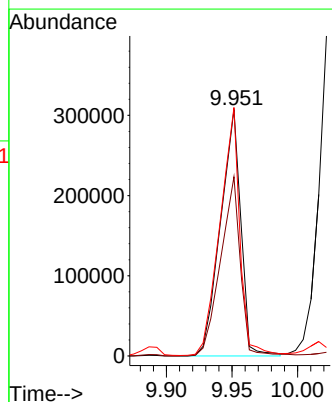
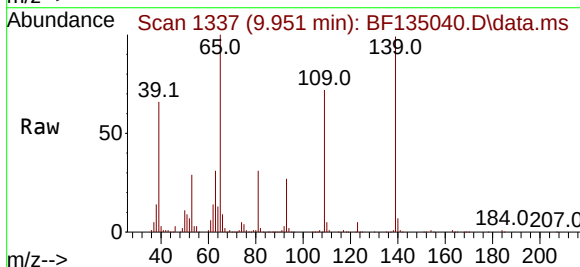
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

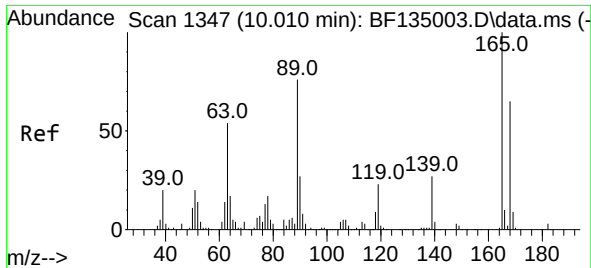
Tgt Ion:168 Resp: 933120  
Ion Ratio Lower Upper  
168 100  
139 40.2 31.5 47.3  
169 13.6 10.7 16.1



#56  
4-Nitrophenol  
Concen: 99.541 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. 0.012 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:139 Resp: 331070  
Ion Ratio Lower Upper  
139 100  
109 72.7 47.7 87.7  
65 100.8 75.9 115.9

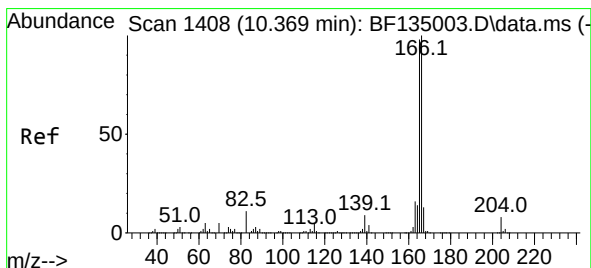
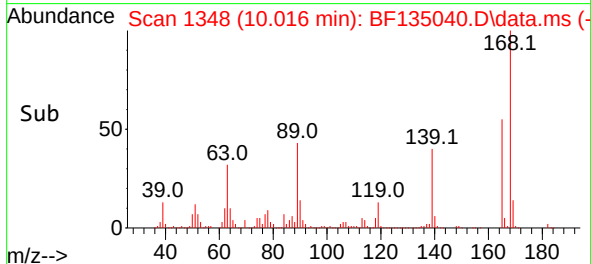
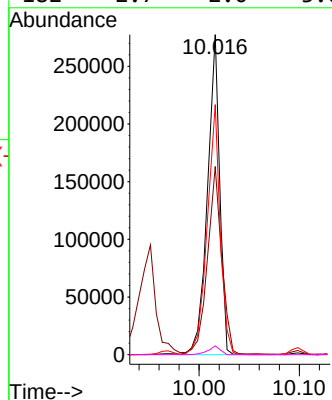
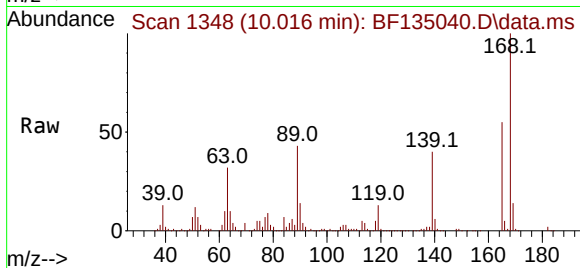




#57  
2,4-Dinitrotoluene  
Concen: 46.843 ng  
RT: 10.016 min Scan# 1347  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

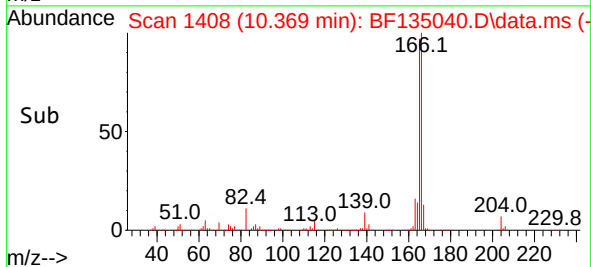
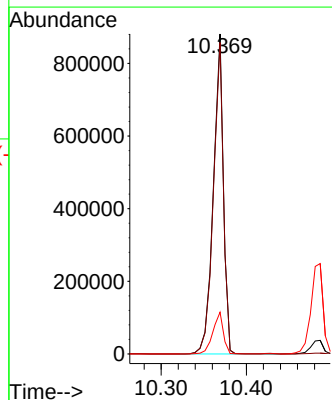
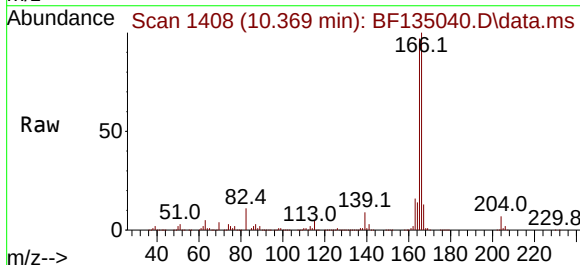
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

Tgt Ion:165 Resp: 237116  
Ion Ratio Lower Upper  
165 100  
63 58.8 43.2 64.8  
89 78.2 60.8 91.2  
182 2.7 2.0 3.0

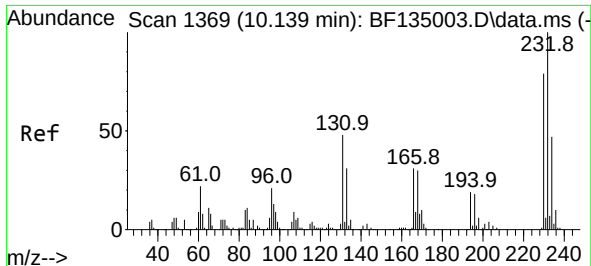


#58  
Fluorene  
Concen: 44.944 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:166 Resp: 723216  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.0 117.0  
167 13.1 10.8 16.2



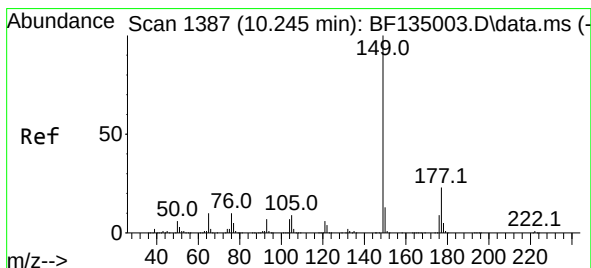
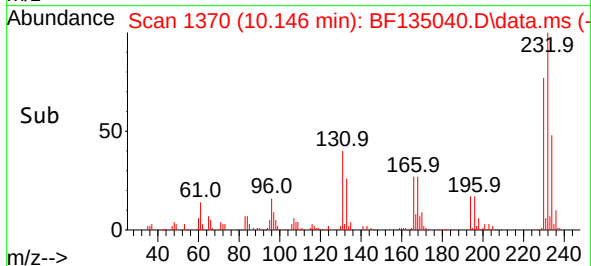
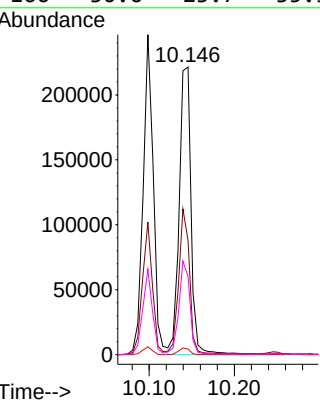
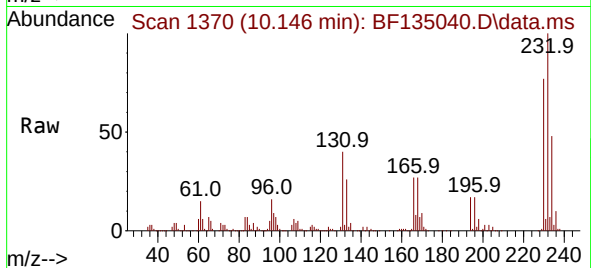




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.857 ng  
RT: 10.146 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

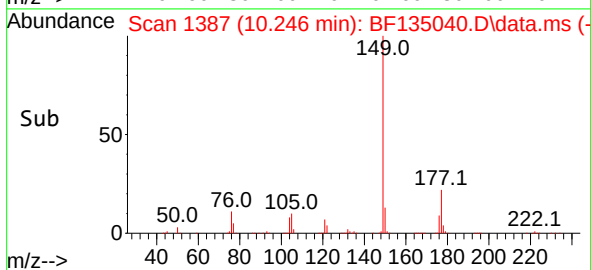
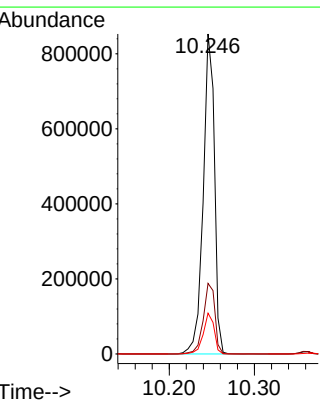
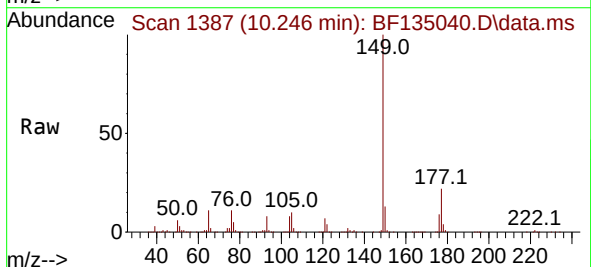
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

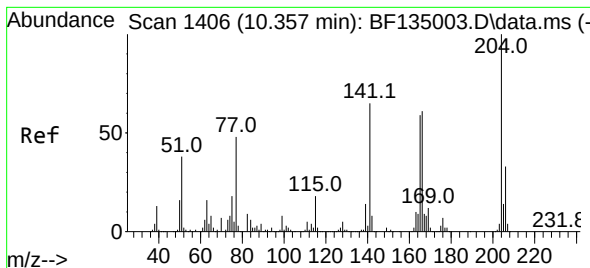
Tgt Ion:232 Resp: 212047  
Ion Ratio Lower Upper  
232 100  
131 46.9 35.3 52.9  
130 2.2 1.7 2.5  
166 30.6 23.7 35.5



#60  
Diethylphthalate  
Concen: 45.030 ng  
RT: 10.246 min Scan# 1387  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:149 Resp: 784666  
Ion Ratio Lower Upper  
149 100  
177 22.0 18.5 27.7  
150 12.7 10.1 15.1

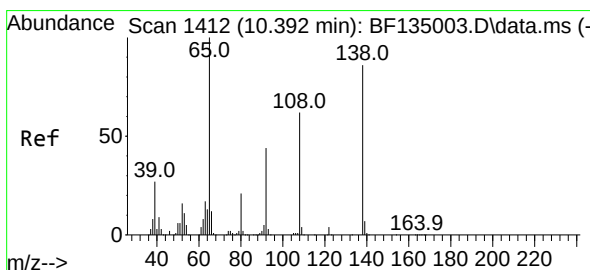
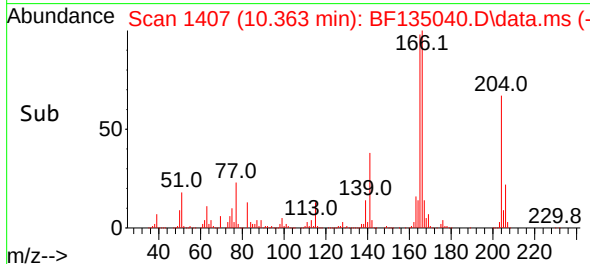
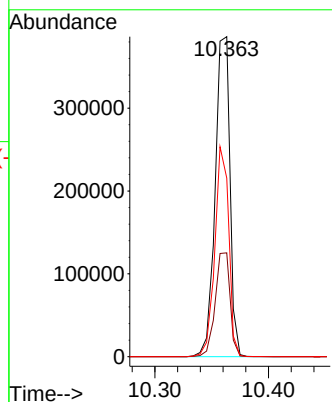
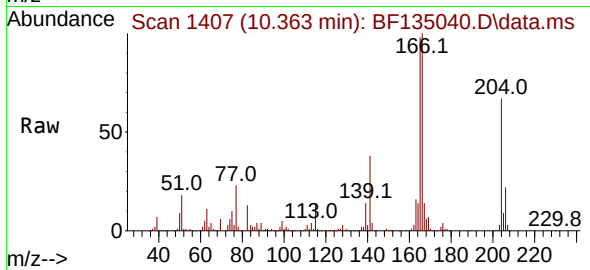




#61  
4-Chlorophenyl-phenylether  
Concen: 43.956 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

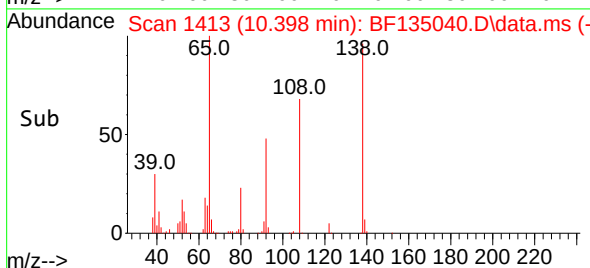
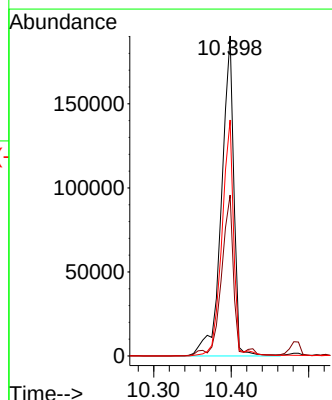
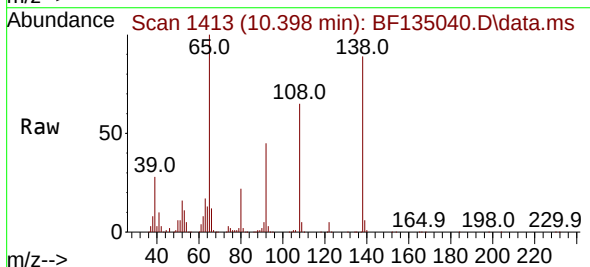
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

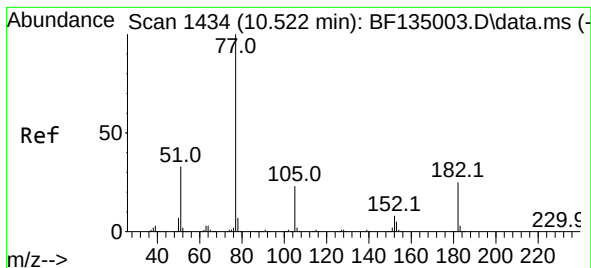
Tgt Ion:204 Resp: 349868  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.3 39.5  
141 55.8 51.8 77.6



#62  
4-Nitroaniline  
Concen: 45.666 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:138 Resp: 211419  
Ion Ratio Lower Upper  
138 100  
92 50.3 30.7 70.7  
108 73.7 51.7 91.7

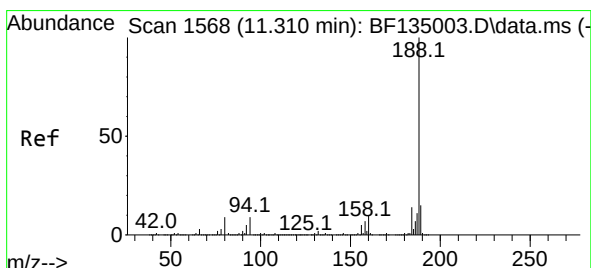
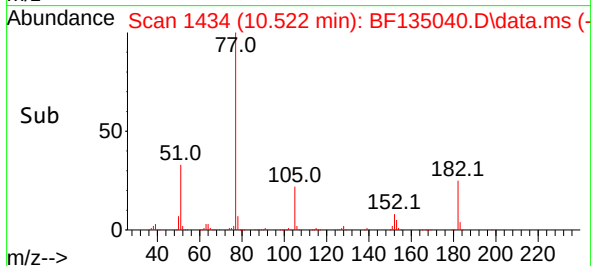
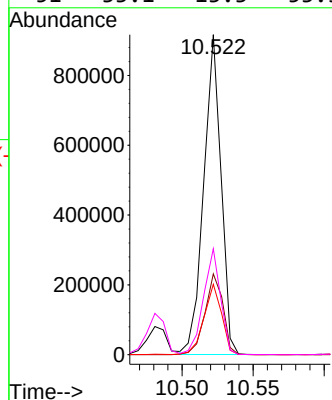
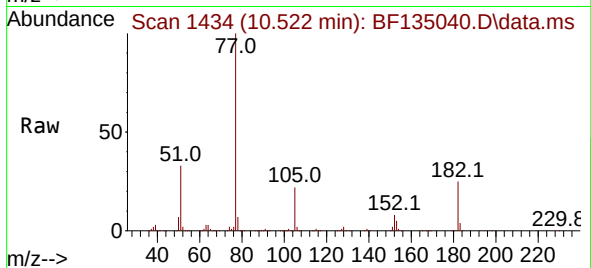




#63  
Azobenzene  
Concen: 44.281 ng  
RT: 10.522 min Scan# 1434  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

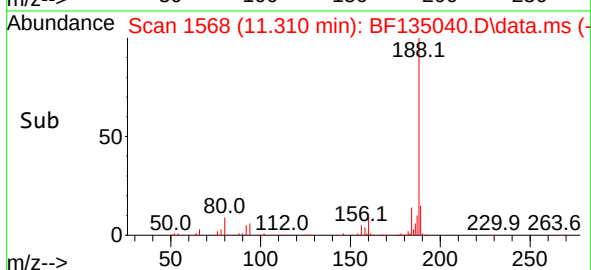
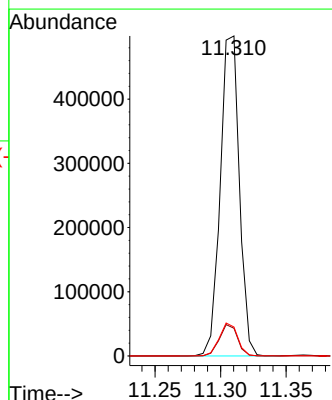
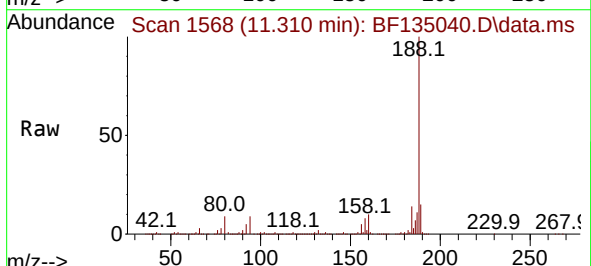
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

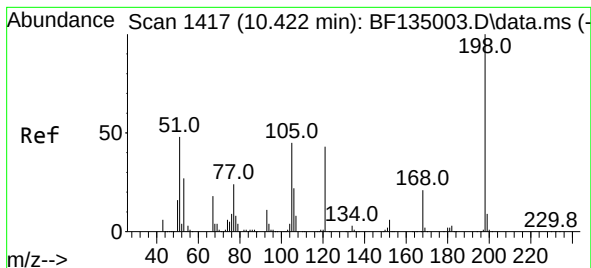
Tgt Ion: 77 Resp: 776945  
Ion Ratio Lower Upper  
77 100  
182 25.2 4.9 44.9  
105 22.0 2.7 42.7  
51 33.1 13.3 53.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion: 188 Resp: 503662  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.0 10.4  
80 9.1 7.4 11.2

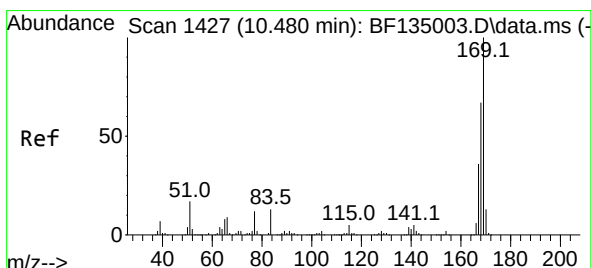
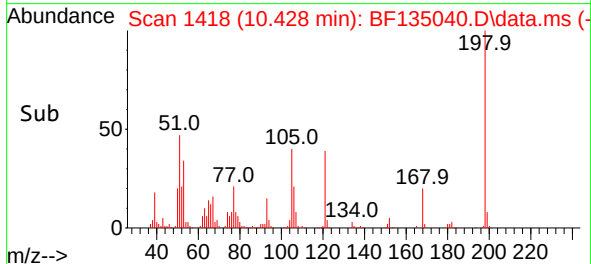
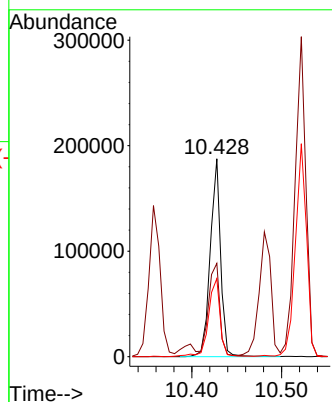
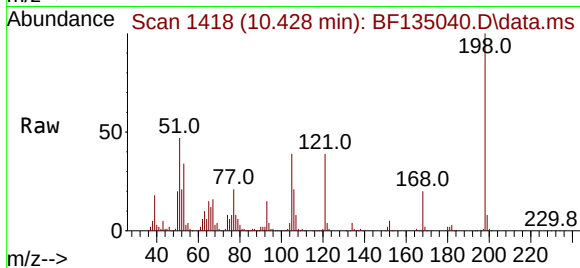




#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.449 ng  
RT: 10.428 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

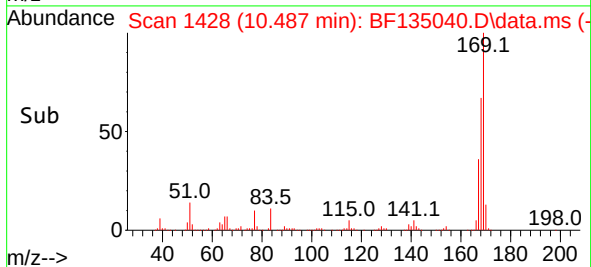
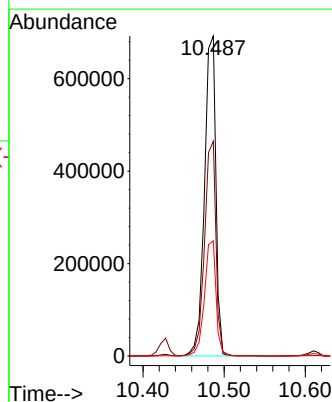
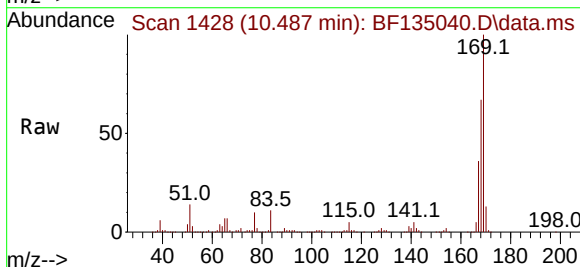
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

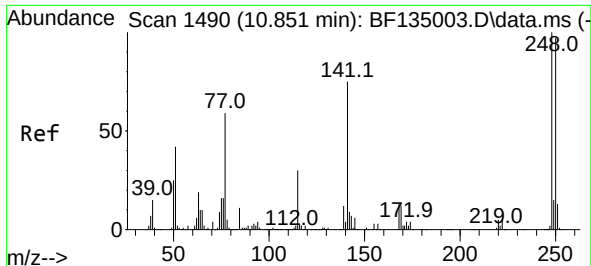
Tgt Ion:198 Resp: 150734  
Ion Ratio Lower Upper  
198 100  
51 47.1 35.7 75.7  
105 39.5 25.9 65.9



#66  
n-Nitrosodiphenylamine  
Concen: 43.071 ng  
RT: 10.487 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:169 Resp: 674521  
Ion Ratio Lower Upper  
169 100  
168 67.1 53.4 80.0  
167 35.9 29.0 43.4

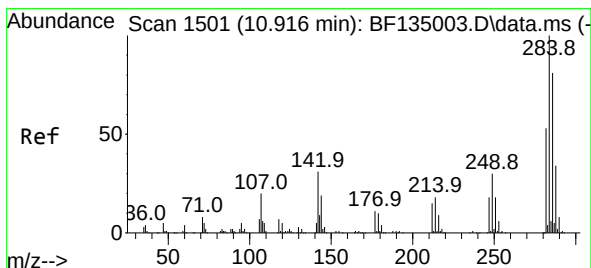
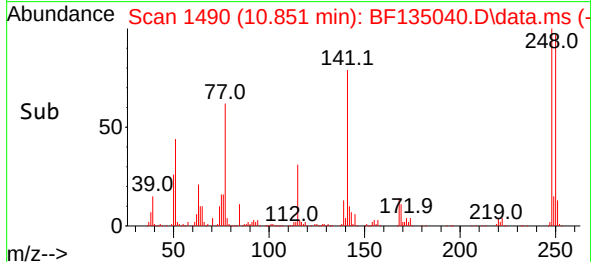
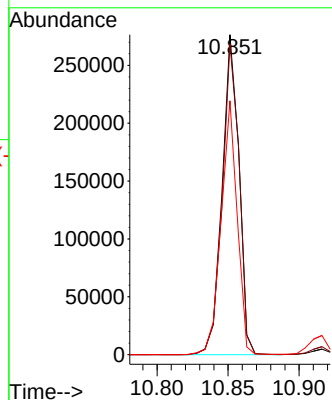
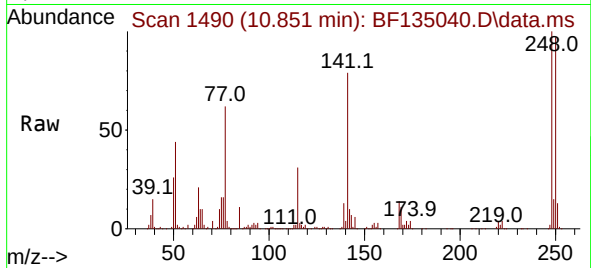




#67  
4-Bromophenyl-phenylether  
Concen: 42.532 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

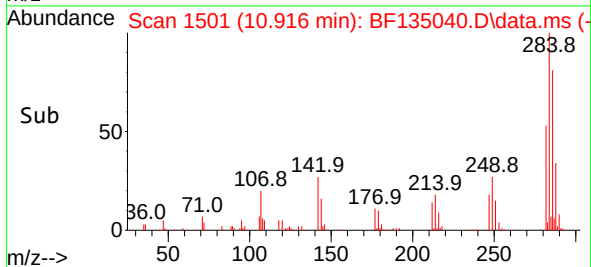
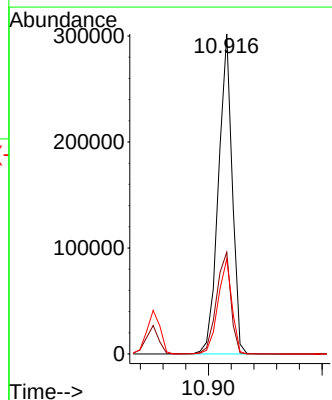
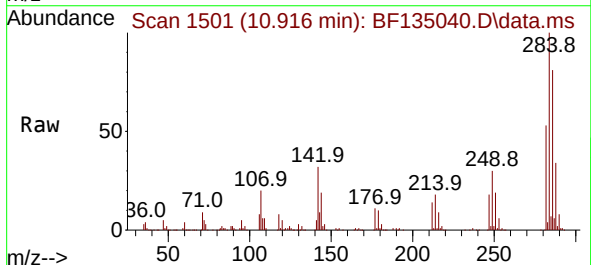
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

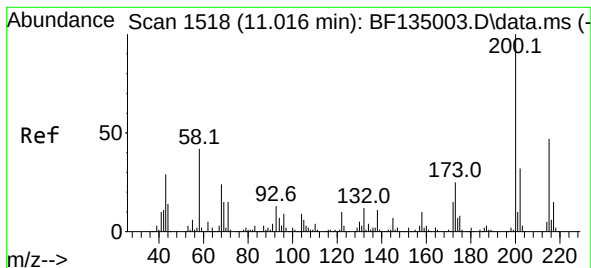
Tgt Ion:248 Resp: 227212  
Ion Ratio Lower Upper  
248 100  
250 97.2 77.9 116.9  
141 79.3 59.8 89.8



#68  
Hexachlorobenzene  
Concen: 45.963 ng  
RT: 10.916 min Scan# 1501  
Delta R.T. 0.000 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:284 Resp: 253892  
Ion Ratio Lower Upper  
284 100  
142 31.8 25.1 37.7  
249 29.7 24.1 36.1





#69

Atrazine

Concen: Below Cal

RT: 11.016 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

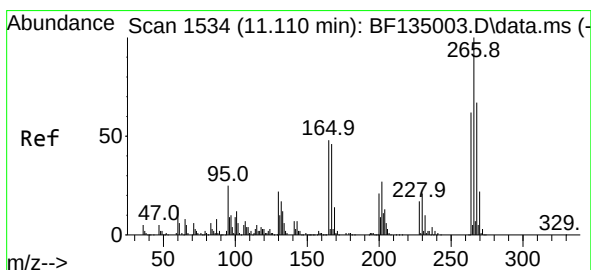
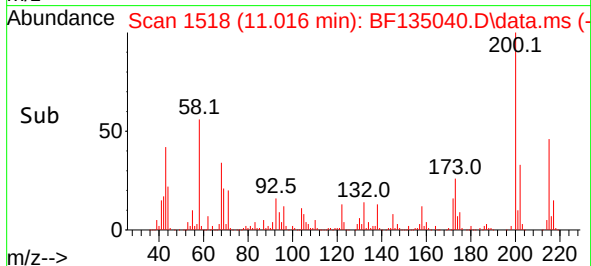
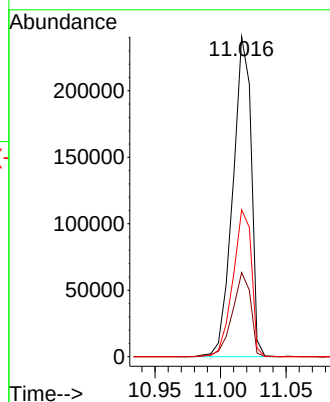
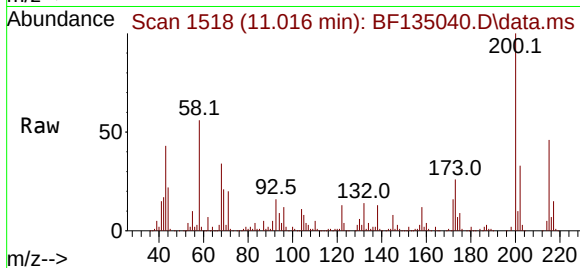
Tgt Ion:200 Resp: 234925

Ion Ratio Lower Upper

200 100

173 26.3 5.0 45.0

215 45.9 26.9 66.9



#70

Pentachlorophenol

Concen: 82.163 ng

RT: 11.116 min Scan# 1535

Delta R.T. 0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

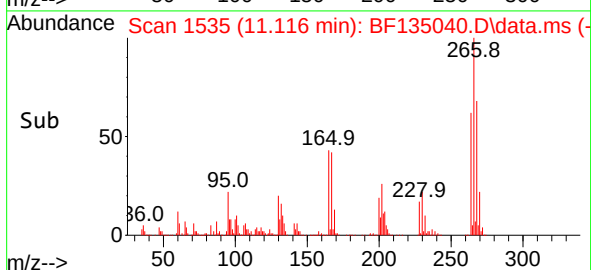
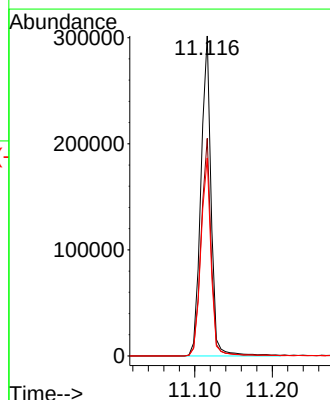
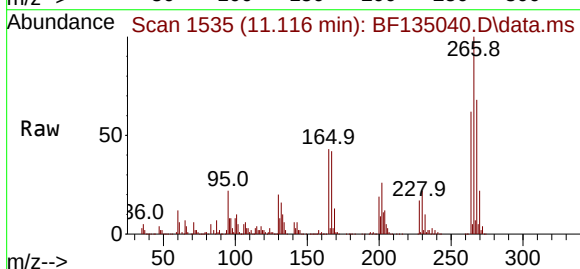
Tgt Ion:266 Resp: 274578

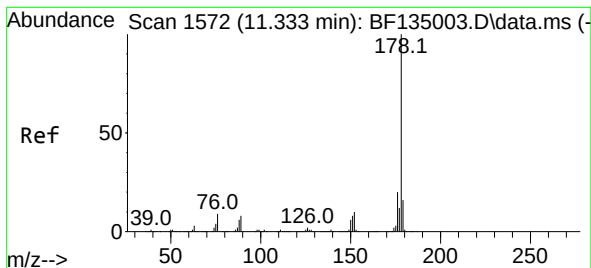
Ion Ratio Lower Upper

266 100

268 68.0 53.3 79.9

264 61.9 49.3 73.9





#71

Phenanthrene

Concen: 44.665 ng

RT: 11.334 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

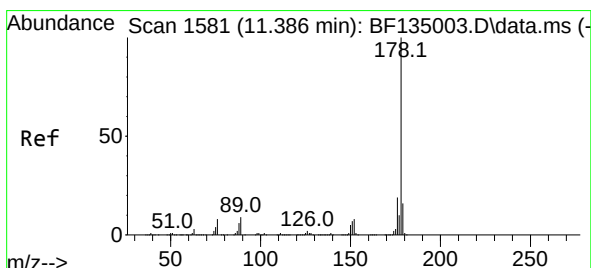
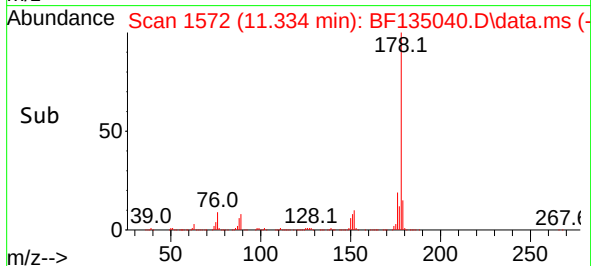
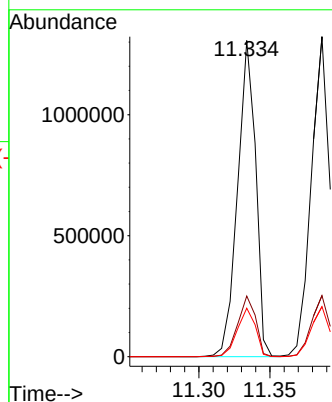
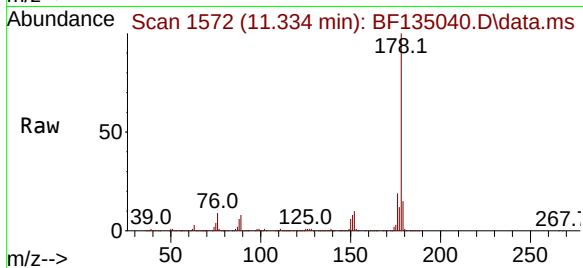
Tgt Ion:178 Resp: 1160584

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

179 15.3 12.5 18.7



#72

Anthracene

Concen: 44.315 ng

RT: 11.387 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

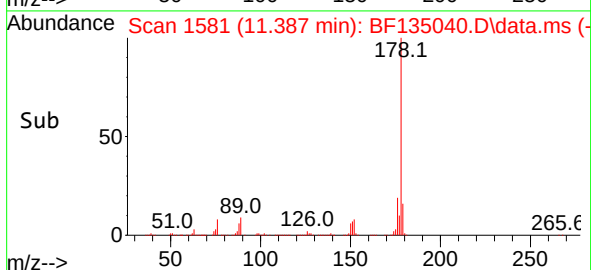
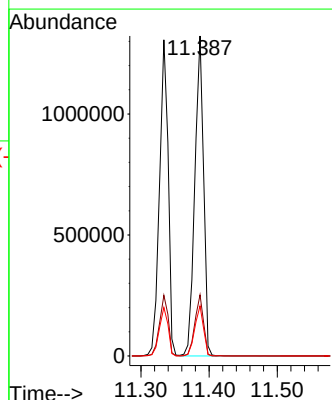
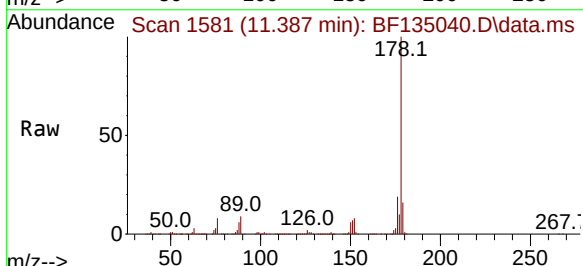
Tgt Ion:178 Resp: 1176479

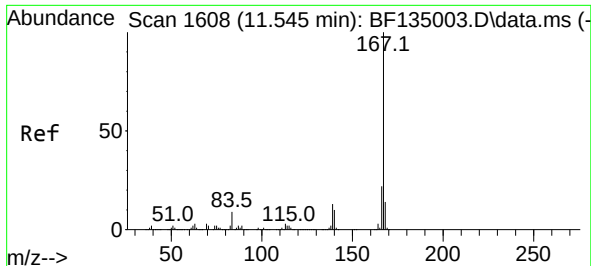
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.7 12.8 19.2



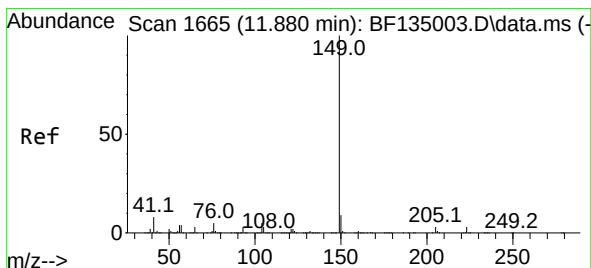
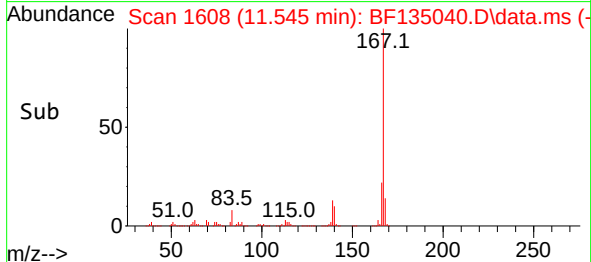
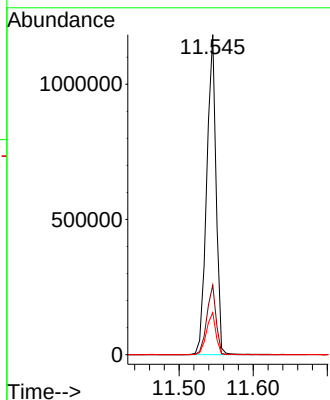
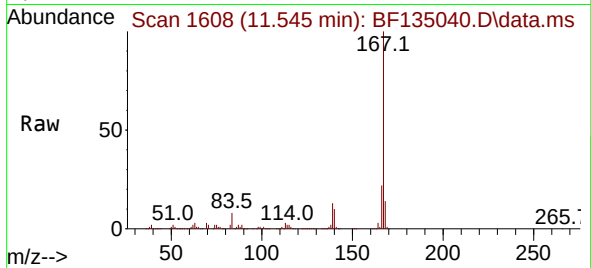


#73  
 Carbazole  
 Concen: 45.532 ng  
 RT: 11.545 min Scan# 1608  
 Delta R.T. 0.000 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155118BS

Tgt Ion:167 Resp: 1042606  

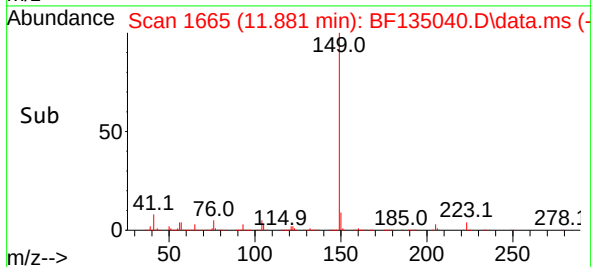
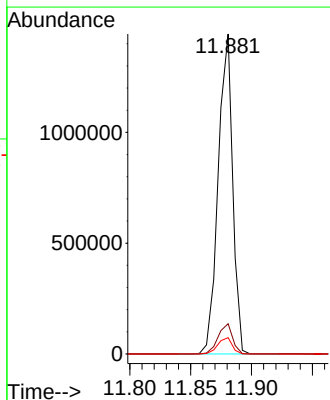
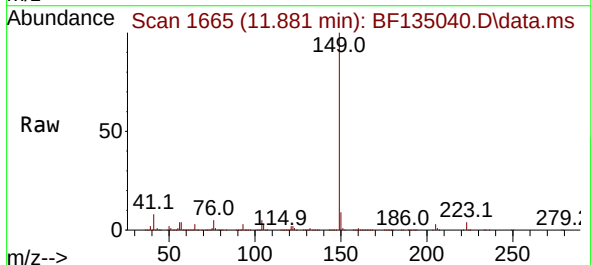
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.7  | 17.4  | 26.2  |
| 139 | 13.2  | 10.3  | 15.5  |



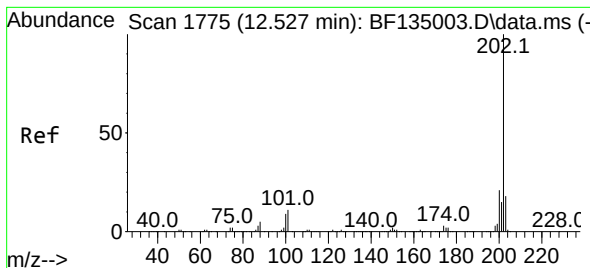
#74  
 Di-n-butylphthalate  
 Concen: 43.390 ng  
 RT: 11.881 min Scan# 1665  
 Delta R.T. 0.000 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Tgt Ion:149 Resp: 1197680  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.4   | 7.4   | 11.2  |
| 104 | 5.1   | 4.0   | 6.0   |







#75

Fluoranthene

Concen: 45.310 ng

RT: 12.528 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

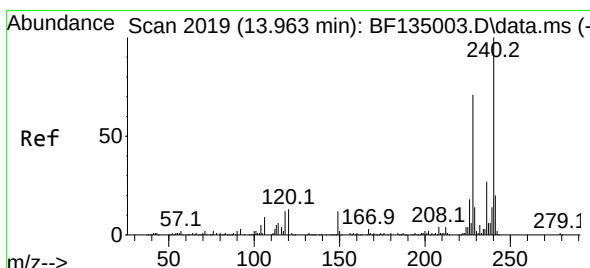
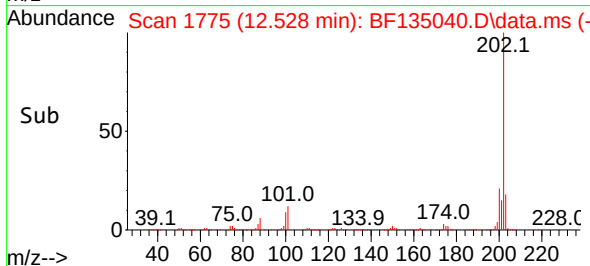
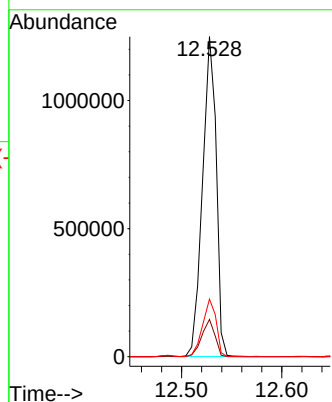
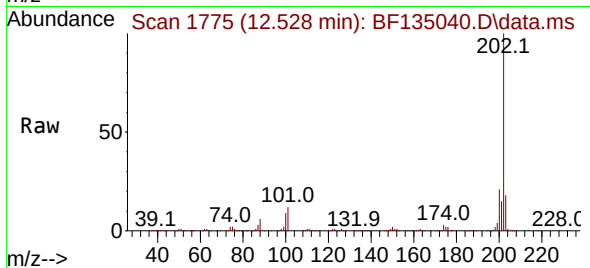
Tgt Ion:202 Resp: 1190359

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

203 18.0 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

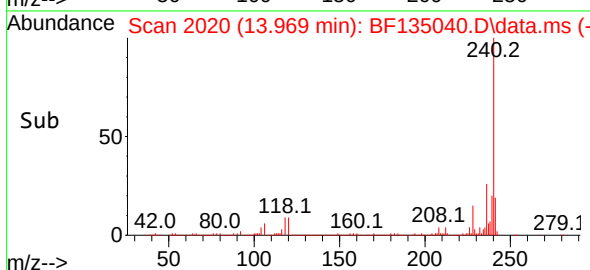
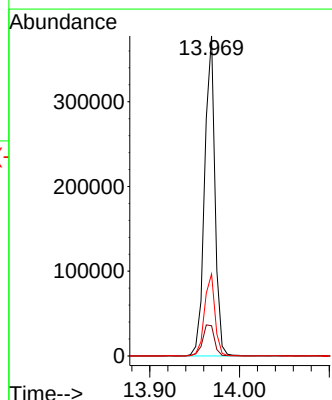
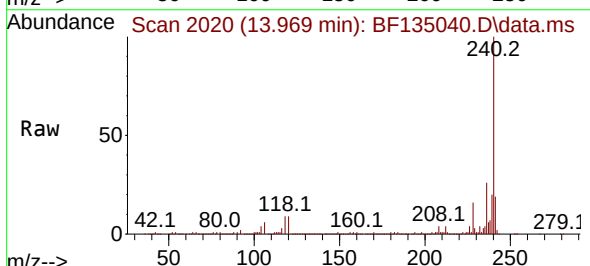
Tgt Ion:240 Resp: 301594

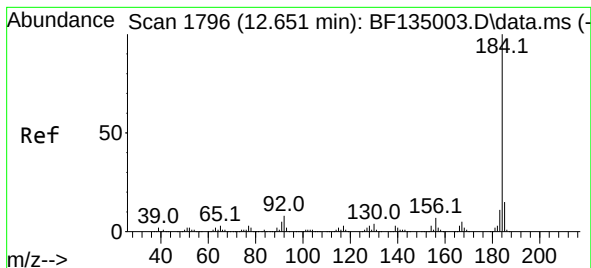
Ion Ratio Lower Upper

240 100

120 9.5 10.2 15.2#

236 25.6 21.3 31.9





#77

Benzidine

Concen: 114.070 ng

RT: 12.657 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

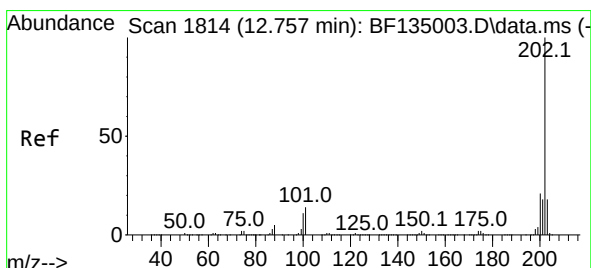
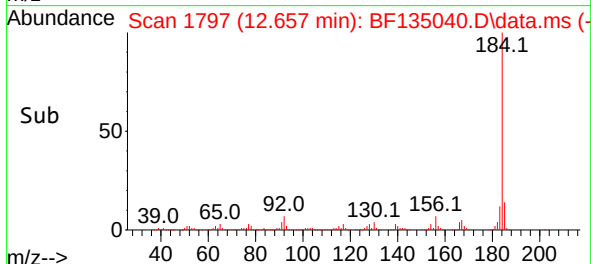
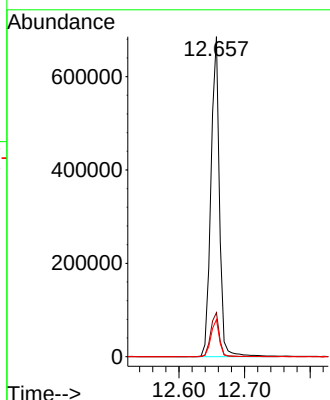
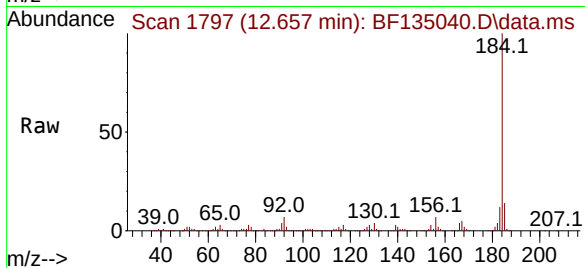
Tgt Ion:184 Resp: 620162

Ion Ratio Lower Upper

184 100

185 13.7 12.0 18.0

183 11.6 9.0 13.6



#78

Pyrene

Concen: 42.253 ng

RT: 12.757 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

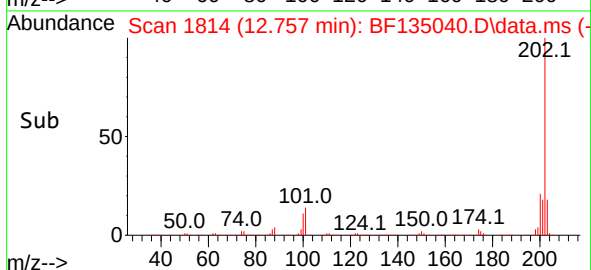
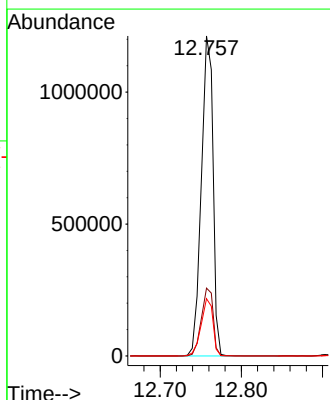
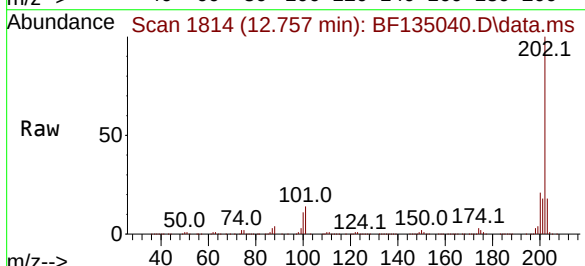
Tgt Ion:202 Resp: 1209930

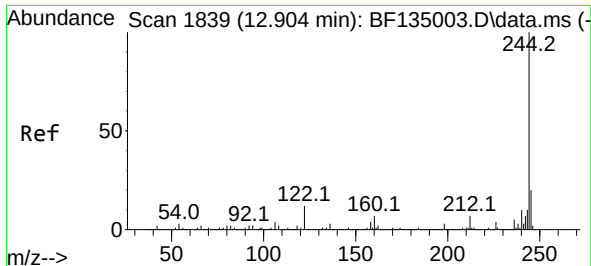
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

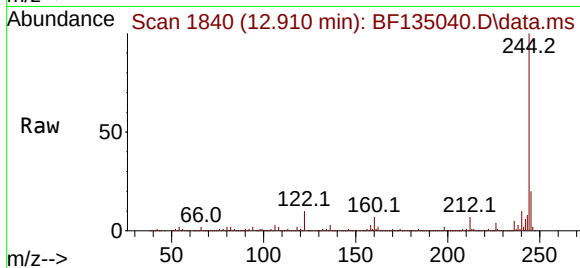
203 17.9 14.2 21.2



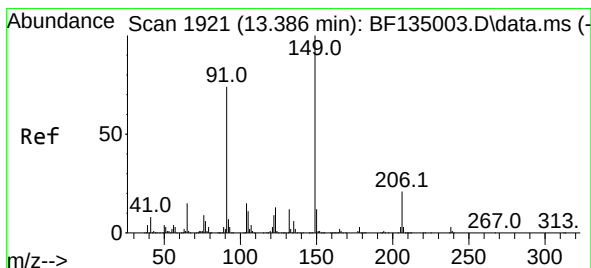
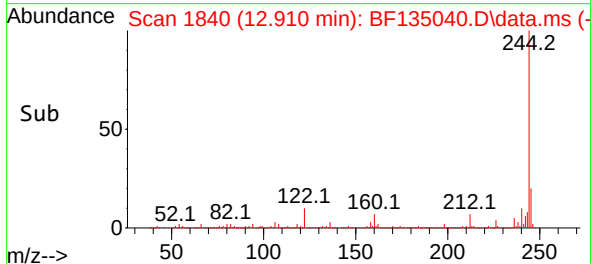
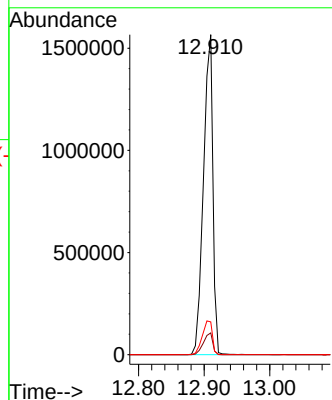


#79  
 Terphenyl-d14  
 Concen: 84.648 ng  
 RT: 12.910 min Scan# 1840  
 Delta R.T. 0.006 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155118BS

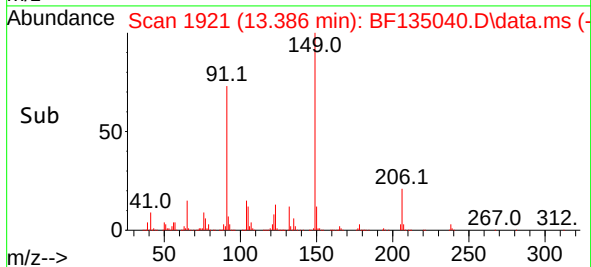
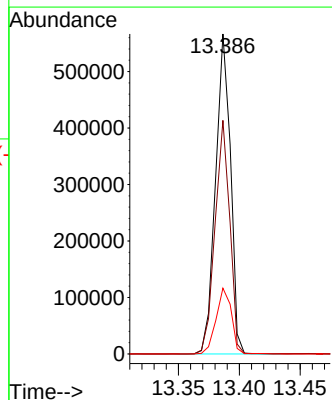
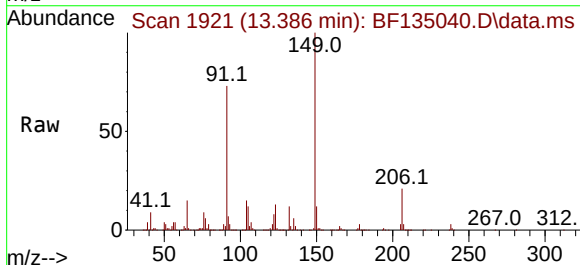


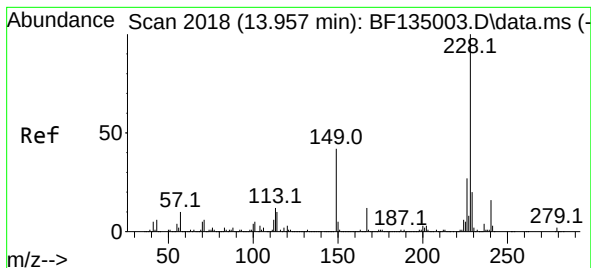
Tgt Ion:244 Resp: 1564390  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 10.2 9.8 14.6



#80  
 Butylbenzylphthalate  
 Concen: 46.726 ng  
 RT: 13.386 min Scan# 1921  
 Delta R.T. 0.000 min  
 Lab File: BF135040.D  
 Acq: 31 Aug 2023 14:20

Tgt Ion:149 Resp: 483364  
 Ion Ratio Lower Upper  
 149 100  
 91 73.0 59.0 88.6  
 206 20.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 43.377 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

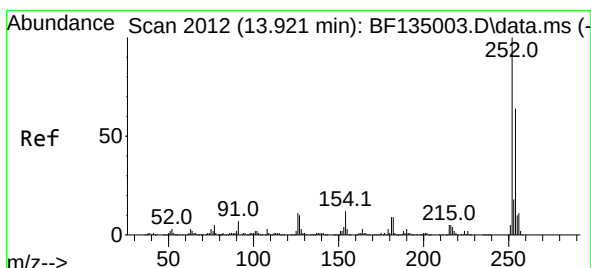
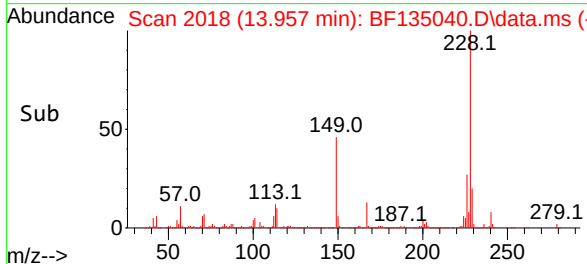
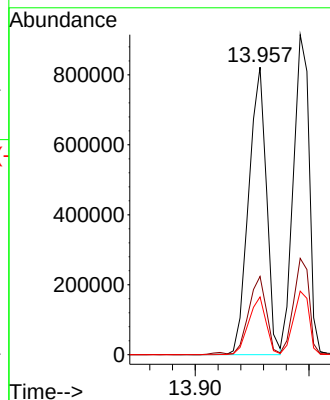
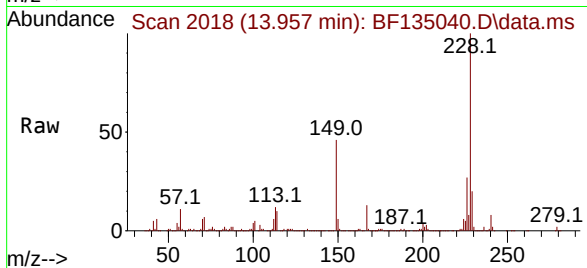
Tgt Ion:228 Resp: 892388

Ion Ratio Lower Upper

228 100

226 27.2 21.6 32.4

229 20.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 49.088 ng

RT: 13.922 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

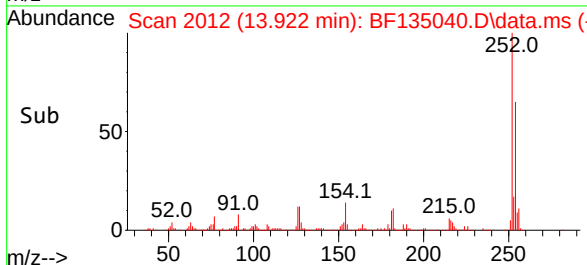
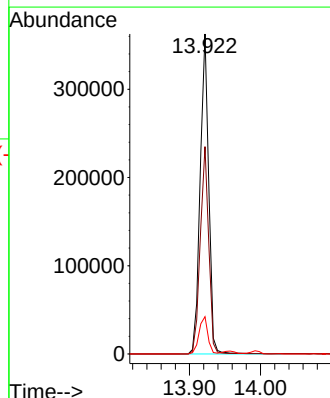
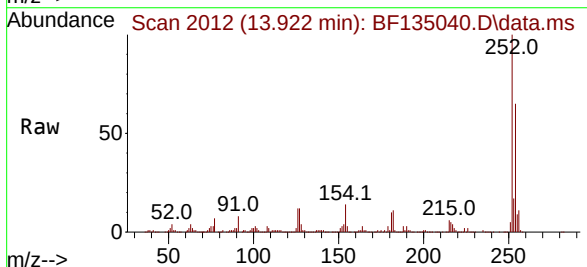
Tgt Ion:252 Resp: 304734

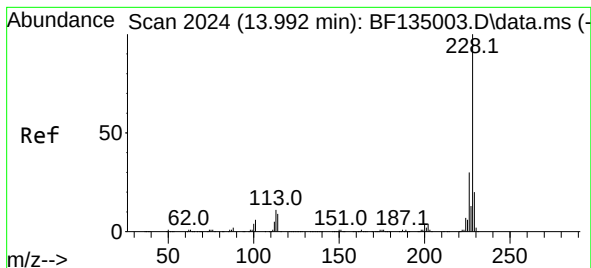
Ion Ratio Lower Upper

252 100

254 64.8 51.3 76.9

126 11.6 8.6 12.8





#83

Chrysene

Concen: 43.799 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

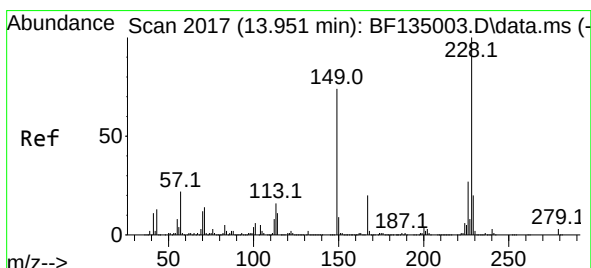
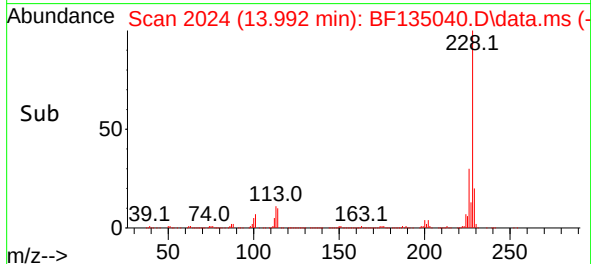
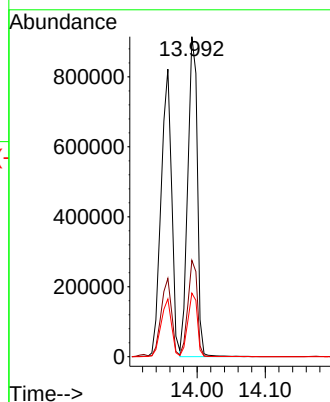
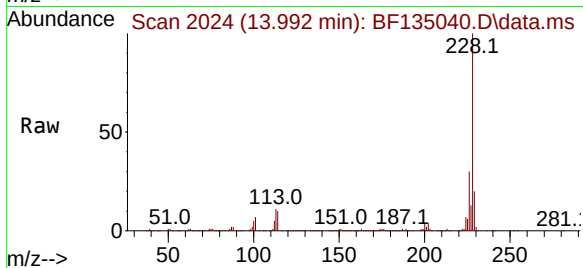
Tgt Ion:228 Resp: 885545

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 19.9 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.508 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

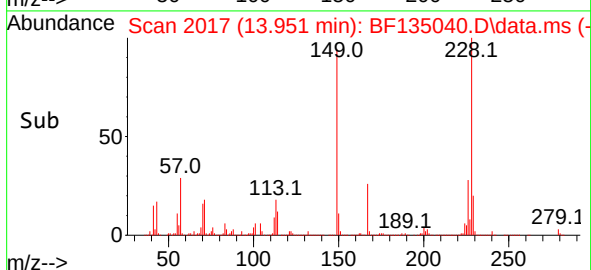
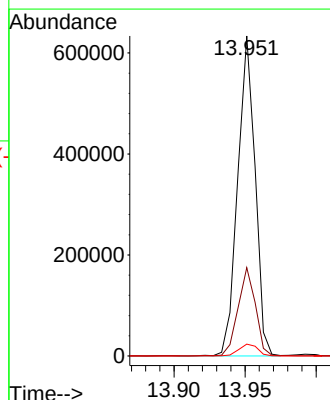
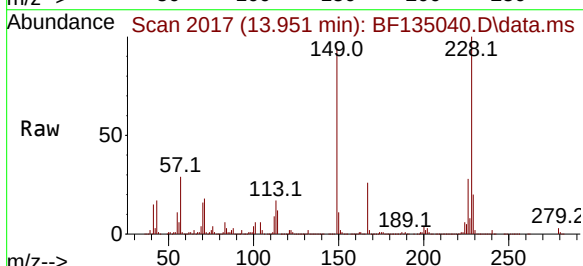
Tgt Ion:149 Resp: 540720

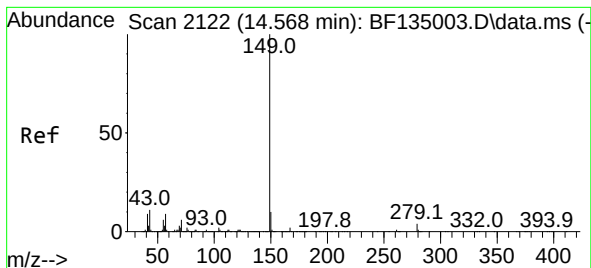
Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

279 3.7 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 52.157 ng

RT: 14.569 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

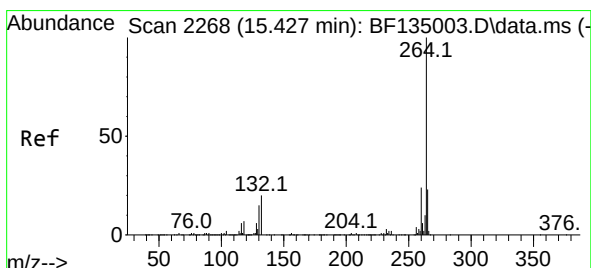
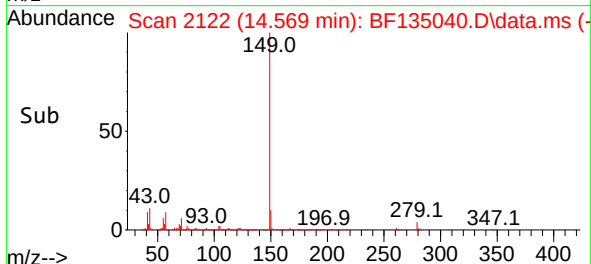
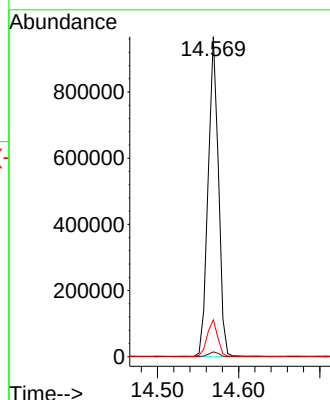
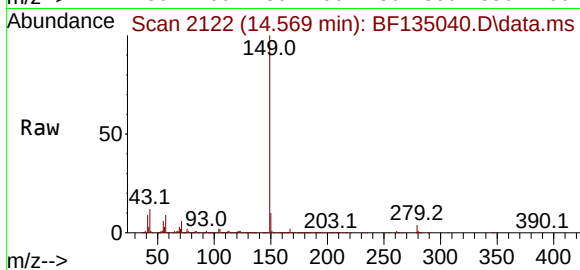
Tgt Ion:149 Resp: 852282

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 11.4 9.3 13.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

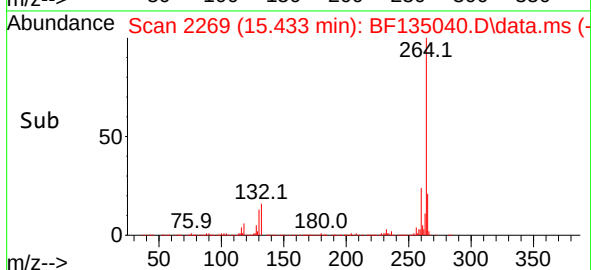
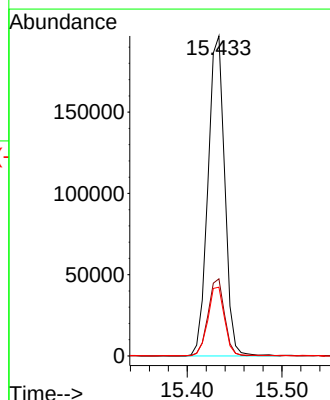
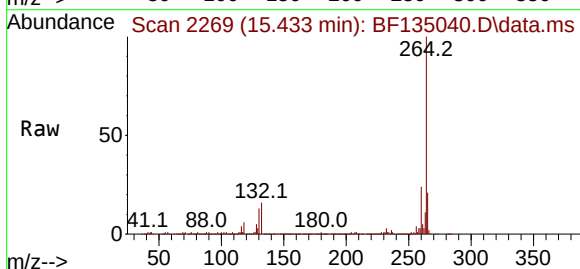
Tgt Ion:264 Resp: 242140

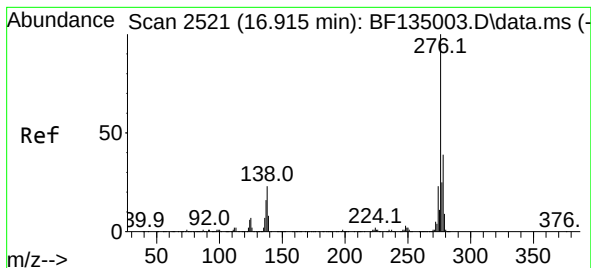
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.5 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.999 ng

RT: 16.922 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

Instrument :

BNA\_F

ClientSampleId :

PB155118BS

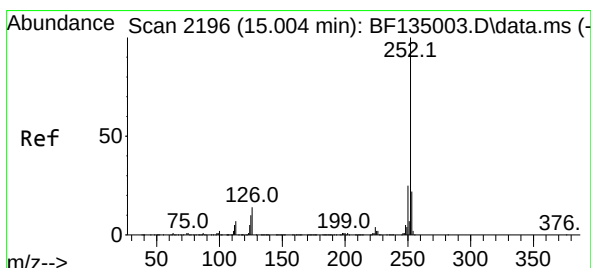
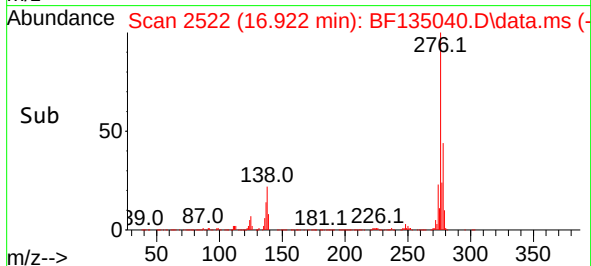
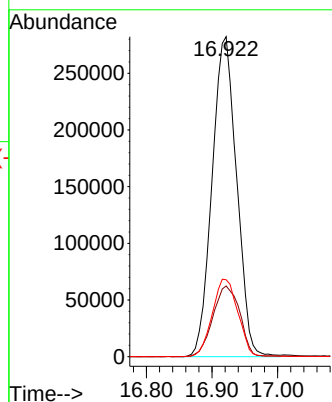
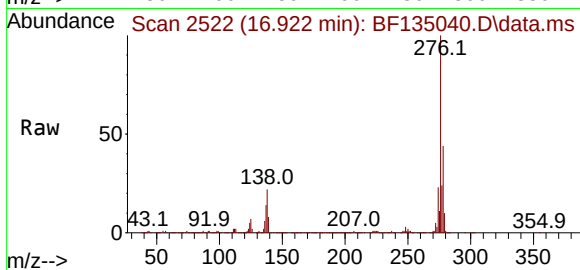
Tgt Ion:276 Resp: 733936

Ion Ratio Lower Upper

276 100

138 24.4 20.2 30.2

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 50.429 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF135040.D

Acq: 31 Aug 2023 14:20

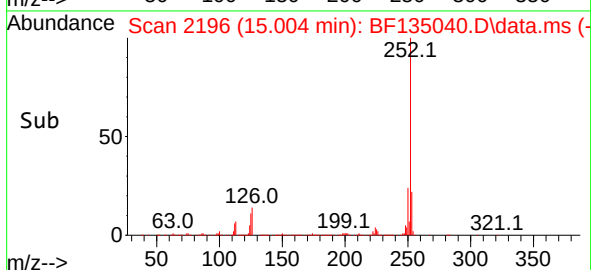
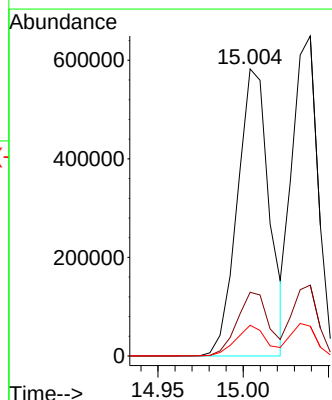
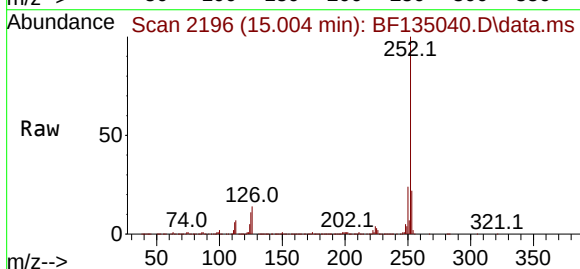
Tgt Ion:252 Resp: 759782

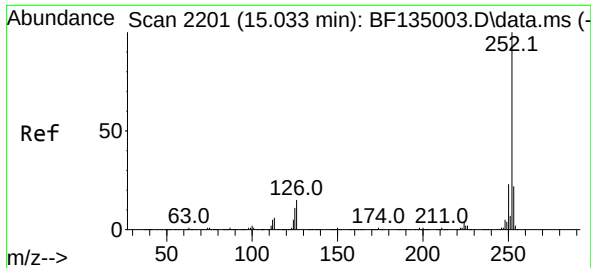
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 10.7 8.4 12.6

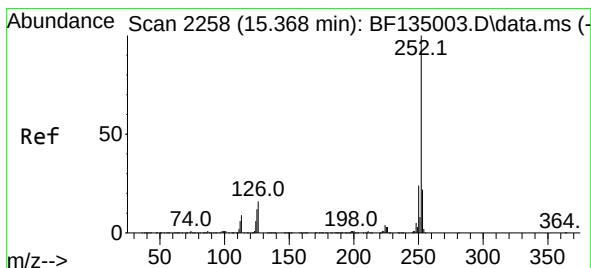
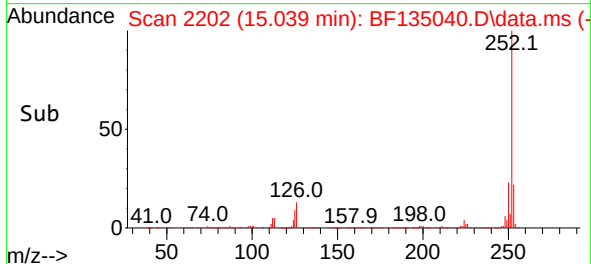
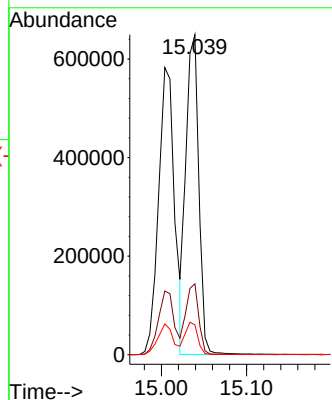
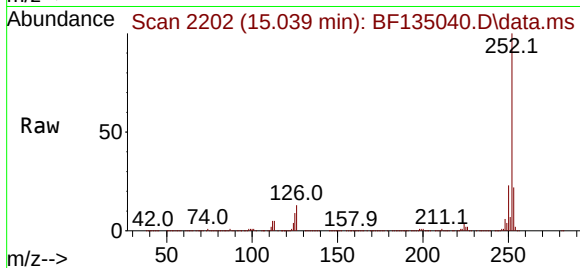




#89  
Benzo(k)fluoranthene  
Concen: 46.968 ng  
RT: 15.039 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

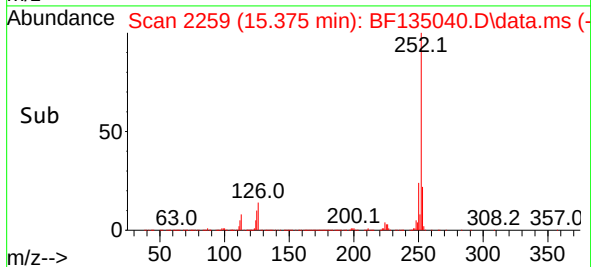
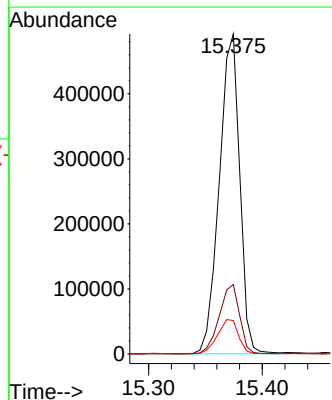
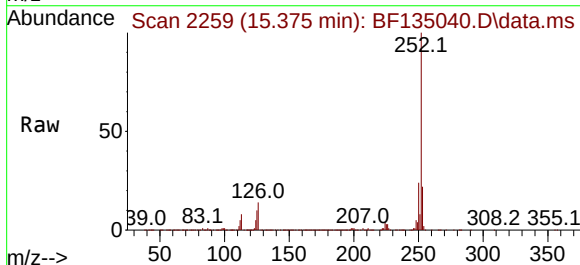
Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

Tgt Ion:252 Resp: 683642  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.4 26.0  
125 9.3 8.5 12.7

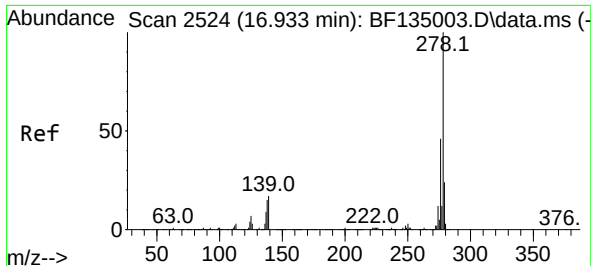


#90  
Benzo(a)pyrene  
Concen: 43.939 ng  
RT: 15.375 min Scan# 2259  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:252 Resp: 614971  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.0  
125 10.5 9.5 14.3



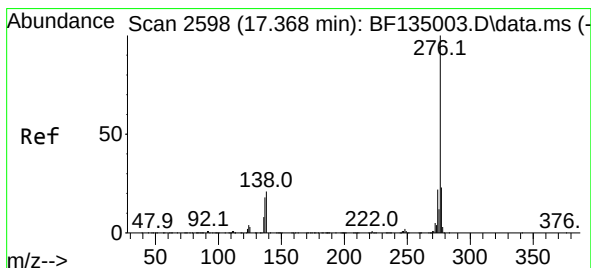
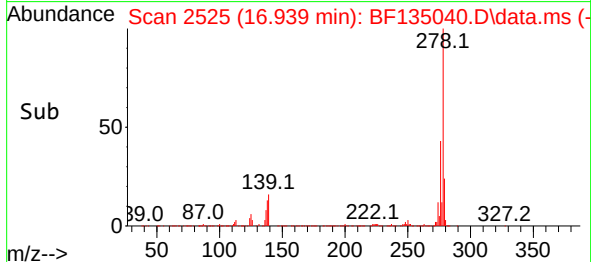
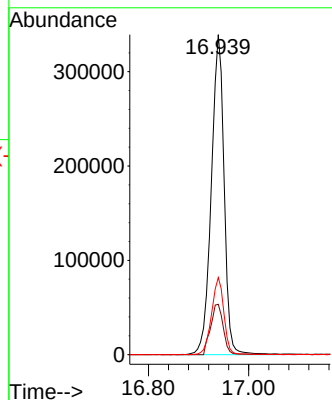
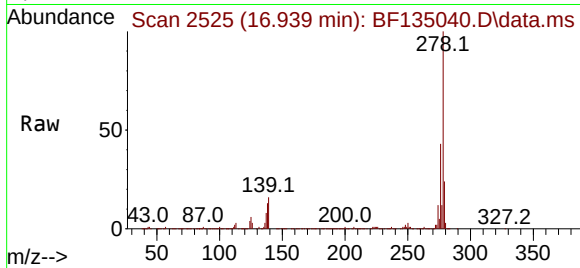




#91  
Dibenzo(a,h)anthracene  
Concen: 45.583 ng  
RT: 16.939 min Scan# 2524  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB155118BS

Tgt Ion:278 Resp: 602131  
Ion Ratio Lower Upper  
278 100  
139 15.8 13.4 20.2  
279 24.1 19.5 29.3



#92  
Benzo(g,h,i)perylene  
Concen: 45.017 ng  
RT: 17.374 min Scan# 2599  
Delta R.T. 0.006 min  
Lab File: BF135040.D  
Acq: 31 Aug 2023 14:20

Tgt Ion:276 Resp: 618482  
Ion Ratio Lower Upper  
276 100  
277 23.2 18.5 27.7  
138 20.7 17.1 25.7

