

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
 Data File : BF136717.D  
 Acq On : 26 Dec 2023 13:54  
 Operator : CG\JU  
 Sample : PB157810BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157810BS

Quant Time: Dec 26 14:27:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 97203    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 387736   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 190231   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 354277   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 187870   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 169492   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 735810   | 118.111 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.445  | 99   | 898656   | 111.325 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 567110   | 74.844  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.621 | 330  | 251924   | 112.446 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1093798  | 77.335  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1027517  | 76.432  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.622  | 88   | 81025    | 31.215  | ng    | 98       |
| 3) Pyridine                   | 3.387  | 79   | 189388   | 29.904  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.351  | 42   | 132207   | 39.090  | ng    | 96       |
| 6) Aniline                    | 6.457  | 93   | 232621   | 28.823  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.581  | 128  | 284231   | 41.691  | ng    | 96       |
| 9) Benzaldehyde               | 6.339  | 77   | 87650    | 19.089  | ng    | 98       |
| 10) Phenol                    | 6.457  | 94   | 336471   | 39.046  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 268810   | 41.019  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 279444   | 37.574  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 284147   | 37.392  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 275536   | 38.966  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 230818   | 42.384  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 426936   | 39.847  | ng    | 84       |
| 17) 2-Methylphenol            | 7.051  | 107  | 225415   | 39.912  | ng    | 95       |
| 18) Hexachloroethane          | 7.292  | 117  | 105103   | 38.084  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 191772   | 39.190  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 277468   | 39.324  | ng    | # 84     |
| 22) Acetophenone              | 7.198  | 105  | 394291   | 40.571  | ng    | 94       |
| 24) Nitrobenzene              | 7.375  | 77   | 284854   | 37.528  | ng    | 94       |
| 25) Isophorone                | 7.610  | 82   | 529916   | 38.434  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 148588   | 40.915  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 240784   | 54.461  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 328113   | 39.151  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.933  | 162  | 224867   | 39.506  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 244613   | 38.571  | ng    | 100      |
| 31) Naphthalene               | 8.086  | 128  | 807360   | 37.902  | ng    | 99       |
| 32) Benzoic acid              | 7.880  | 122  | 181237   | 42.366  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 196179   | 24.944  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 143437   | 37.226  | ng    | 98       |
| 35) Caprolactam               | 8.522  | 113  | 47919    | 25.519  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 249765   | 38.978  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.780  | 142  | 516564   | 37.681  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.880  | 142  | 479982   | 35.688  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 246168   | 41.785  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.927  | 237  | 148557   | 79.142  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 157572   | 41.705  | ng    | 97       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

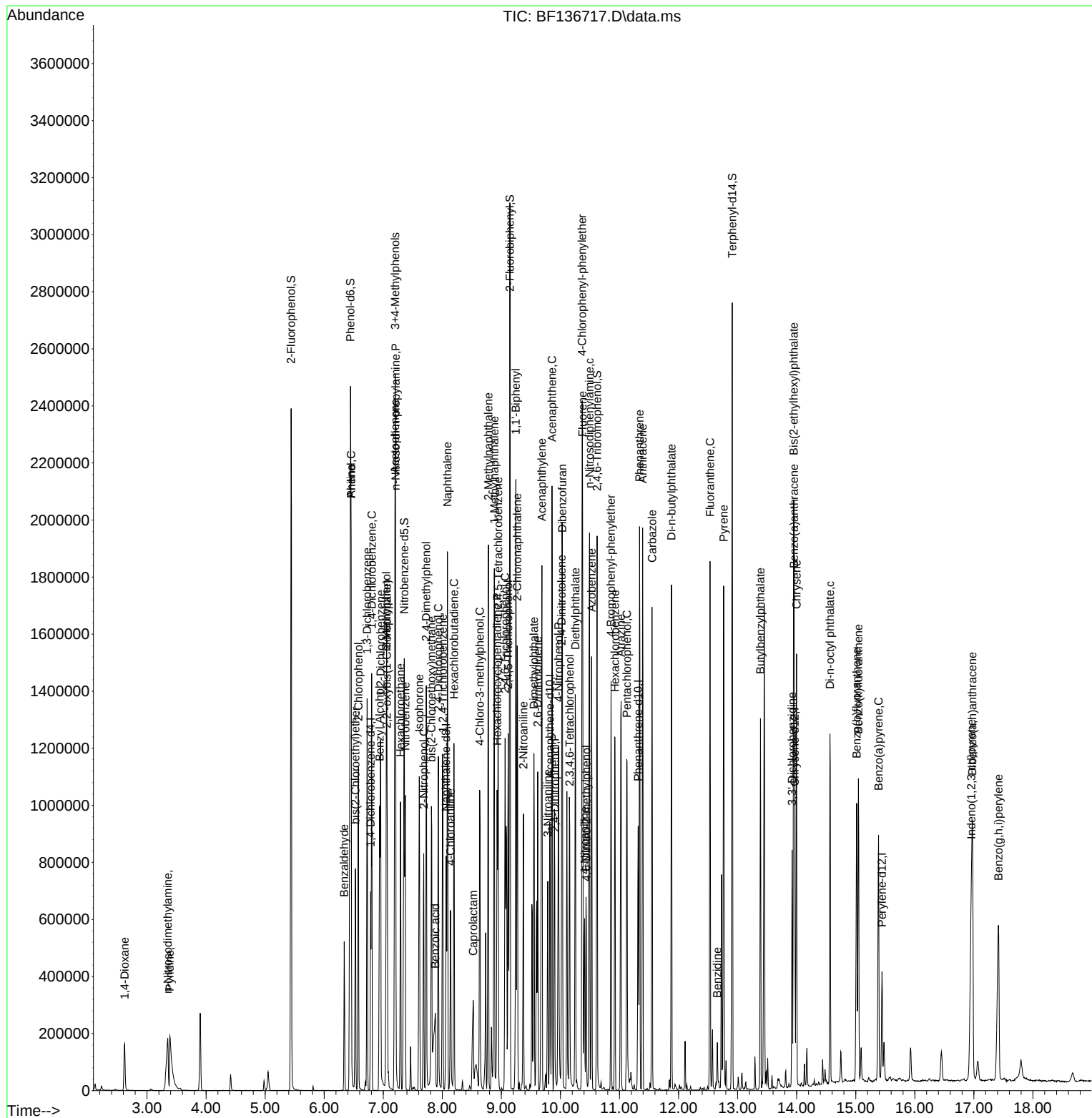
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 172422   | 40.952 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 645354   | 40.427 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 480925   | 39.629 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.374  | 65   | 154325   | 40.609 | ng    | 94       |
| 49) Acenaphthylene            | 9.686  | 152  | 743929   | 40.106 | ng    | 99       |
| 50) Dimethylphthalate         | 9.551  | 163  | 556472   | 40.049 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 124082   | 39.348 | ng    | # 85     |
| 52) Acenaphthene              | 9.857  | 154  | 453495   | 39.441 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 105747   | 31.656 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 138206   | 79.121 | ng    | 97       |
| 55) Dibenzofuran              | 10.033 | 168  | 672275   | 38.571 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 178646   | 79.220 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 157023   | 38.356 | ng    | 94       |
| 58) Fluorene                  | 10.374 | 166  | 535056   | 38.689 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 142564   | 43.987 | ng    | 98       |
| 60) Diethylphthalate          | 10.251 | 149  | 560475   | 38.876 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 254851   | 37.912 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 119960   | 37.251 | ng    | 96       |
| 63) Azobenzene                | 10.527 | 77   | 520014   | 38.619 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 94398    | 46.493 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 477404   | 41.483 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 155623   | 39.553 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.921 | 284  | 174282   | 39.748 | ng    | 95       |
| 69) Atrazine                  | 11.027 | 200  | 176630   | 60.006 | ng    | 96       |
| 70) Pentachlorophenol         | 11.127 | 266  | 163109   | 79.809 | ng    | 96       |
| 71) Phenanthrene              | 11.339 | 178  | 740243   | 40.721 | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 751947   | 40.845 | ng    | 100      |
| 73) Carbazole                 | 11.551 | 167  | 681247   | 39.249 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 828299   | 39.108 | ng    | 100      |
| 75) Fluoranthene              | 12.533 | 202  | 736733   | 37.889 | ng    | 97       |
| 77) Benzidine                 | 12.657 | 184  | 64204    | 11.590 | ng    | 99       |
| 78) Pyrene                    | 12.762 | 202  | 741951   | 40.230 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 290291   | 43.258 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 540199   | 41.409 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 162980   | 43.991 | ng    | 98       |
| 83) Chrysene                  | 13.998 | 228  | 516224   | 40.466 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 374168   | 44.315 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.562 | 149  | 611772   | 46.841 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.956 | 276  | 602132   | 49.204 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 488826   | 43.181 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 481537   | 45.017 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 427370   | 44.724 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.974 | 278  | 504711   | 50.272 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 513406   | 49.929 | ng    | 98       |

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

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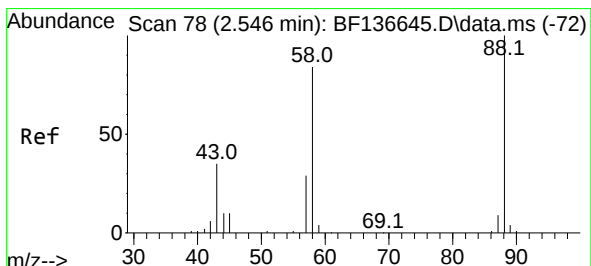
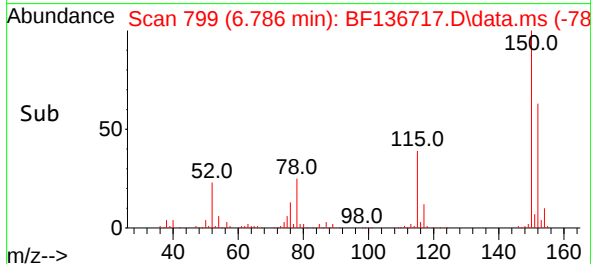
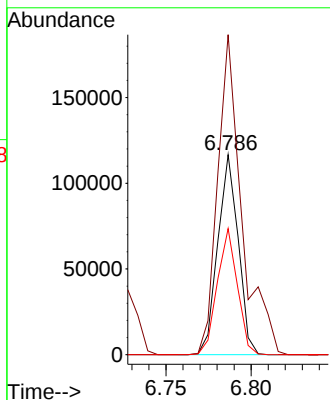
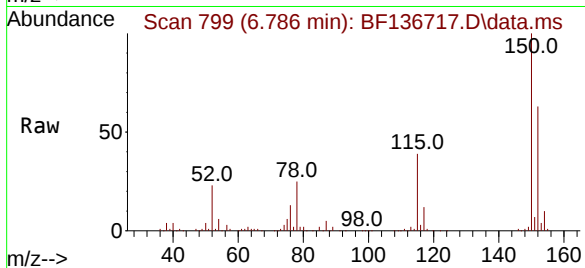




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.786 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF136717.D  
 Acq: 26 Dec 2023 13:54

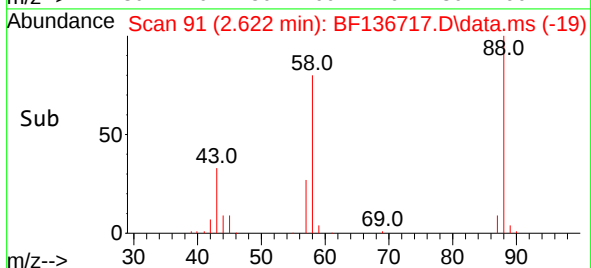
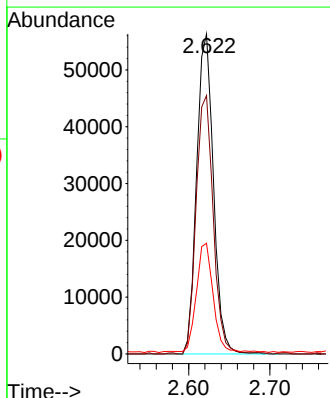
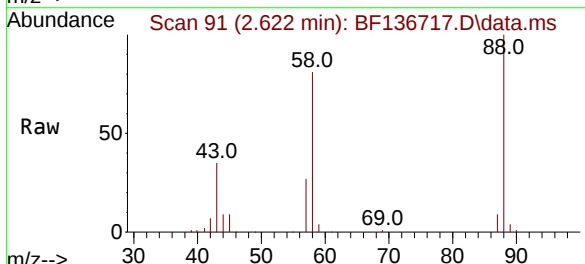
Instrument :  
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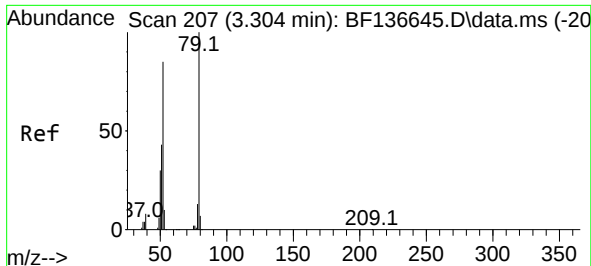
Tgt Ion:152 Resp: 97203  
 Ion Ratio Lower Upper  
 152 100  
 150 160.0 127.0 190.6  
 115 63.1 49.0 73.4



#2  
 1,4-Dioxane  
 Concen: 31.215 ng  
 RT: 2.622 min Scan# 91  
 Delta R.T. 0.076 min  
 Lab File: BF136717.D  
 Acq: 26 Dec 2023 13:54

Tgt Ion: 88 Resp: 81025  
 Ion Ratio Lower Upper  
 88 100  
 58 82.3 67.4 101.0  
 43 34.3 27.7 41.5

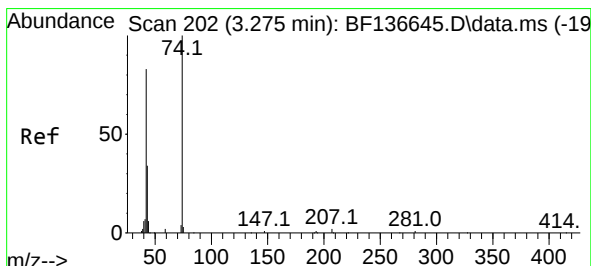
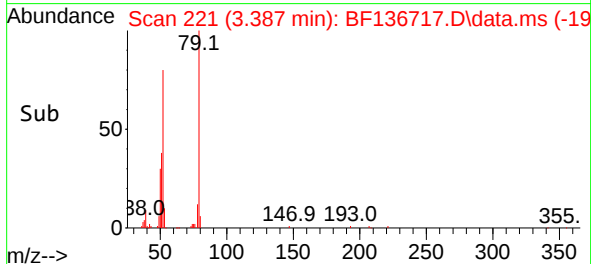
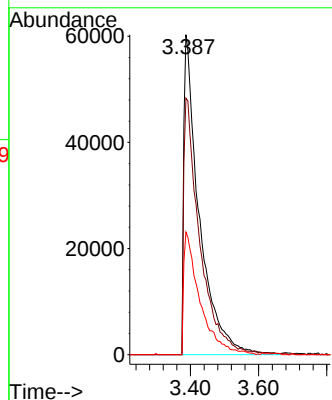
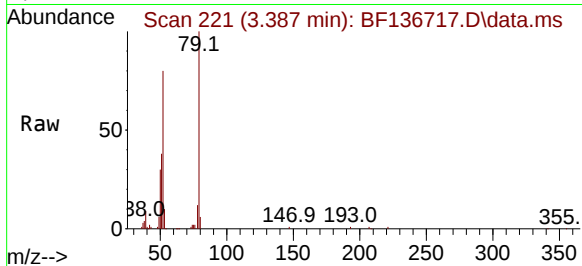




#3  
Pyridine  
Concen: 29.904 ng  
RT: 3.387 min Scan# 215  
Delta R.T. 0.082 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

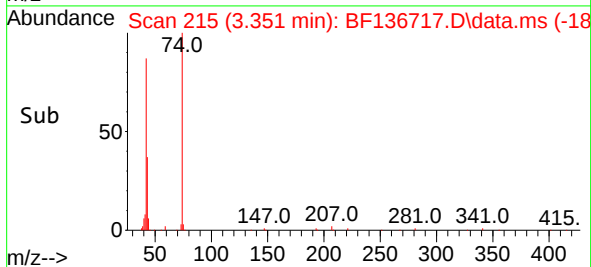
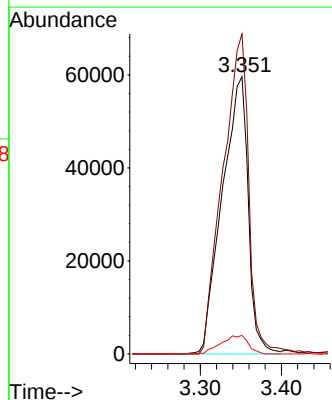
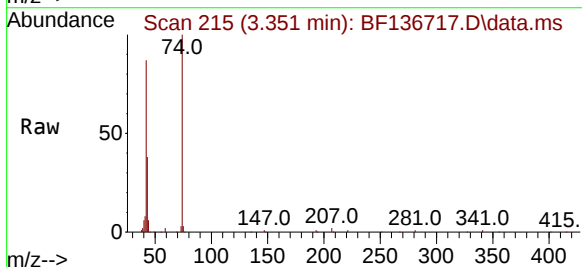
Instrument :  
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Tgt Ion: 79 Resp: 189388  
Ion Ratio Lower Upper  
79 100  
52 80.2 67.7 101.5  
51 38.3 34.0 51.0



#4  
n-Nitrosodimethylamine  
Concen: 39.090 ng  
RT: 3.351 min Scan# 215  
Delta R.T. 0.076 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion: 42 Resp: 132207  
Ion Ratio Lower Upper  
42 100  
74 115.5 96.0 144.0  
44 6.7 5.4 8.2

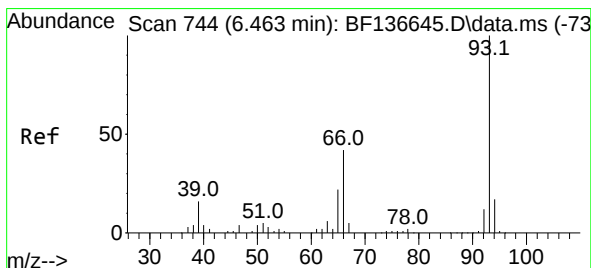
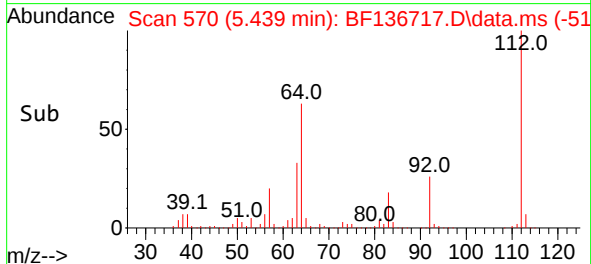
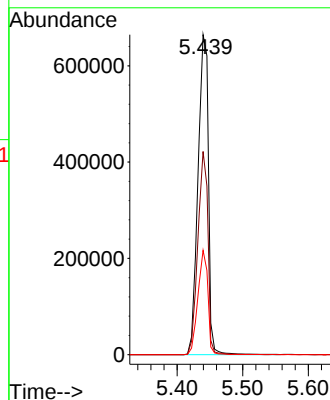
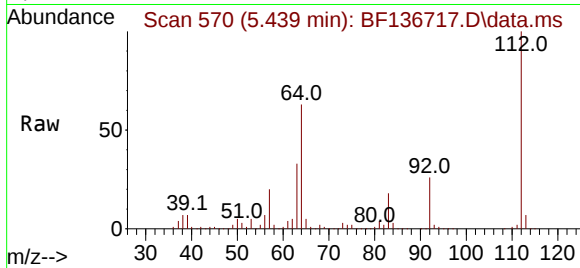




#5  
2-Fluorophenol  
Concen: 118.111 ng  
RT: 5.439 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

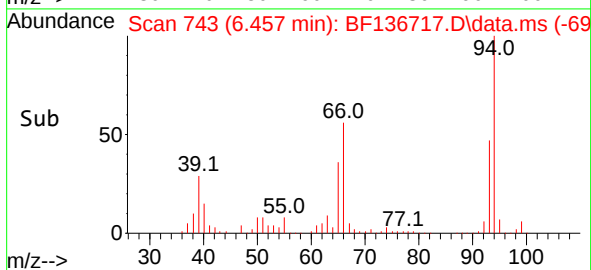
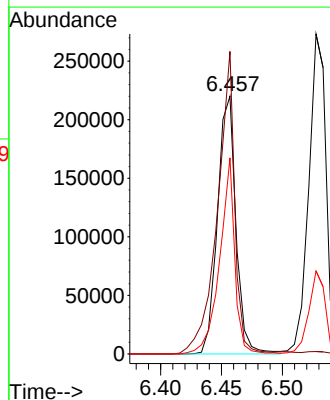
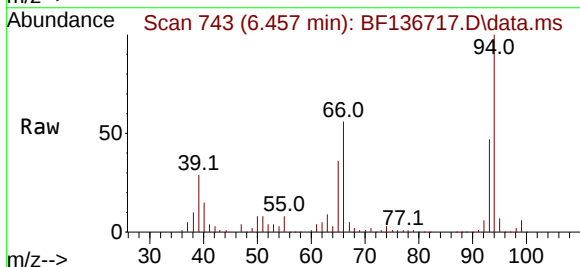
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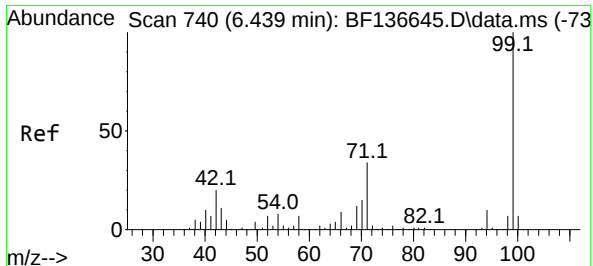
Tgt Ion:112 Resp: 735810  
Ion Ratio Lower Upper  
112 100  
64 63.5 51.1 76.7  
63 32.6 26.1 39.1



#6  
Aniline  
Concen: 28.823 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion: 93 Resp: 232621  
Ion Ratio Lower Upper  
93 100  
66 117.4 34.6 51.8#  
65 76.1 17.8 26.8#





#7

Phenol-d6

Concen: 111.325 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

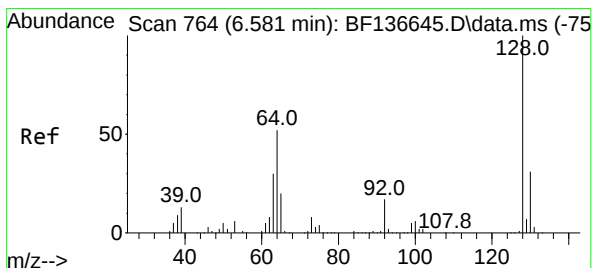
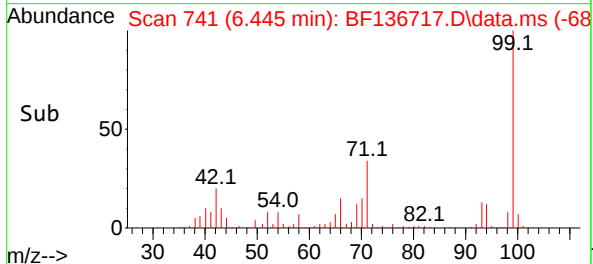
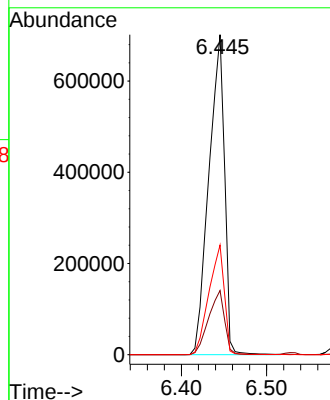
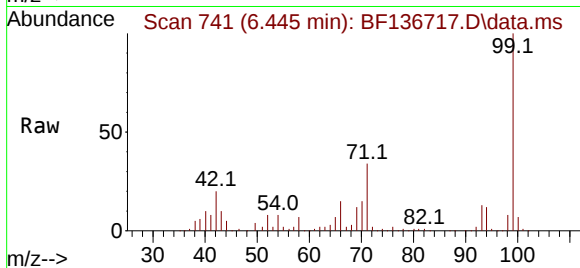
Tgt Ion: 99 Resp: 898656

Ion Ratio Lower Upper

99 100

42 20.1 16.1 24.1

71 34.3 27.4 41.2



#8

2-Chlorophenol

Concen: 41.691 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.000 min

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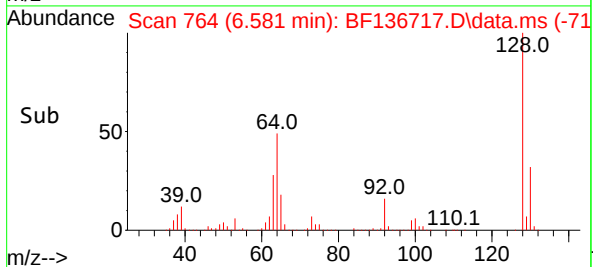
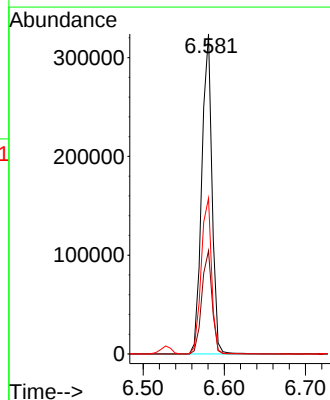
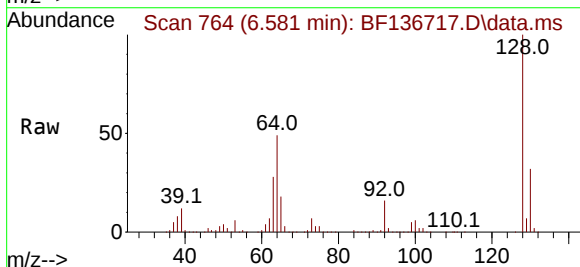
Tgt Ion:128 Resp: 284231

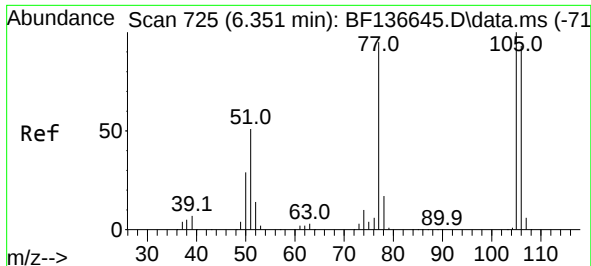
Ion Ratio Lower Upper

128 100

130 32.3 11.3 51.3

64 48.7 32.5 72.5





#9

Benzaldehyde

Concen: 19.089 ng

RT: 6.339 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

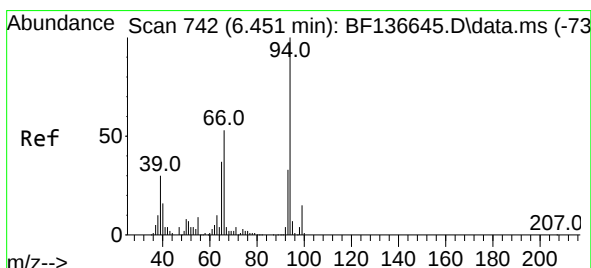
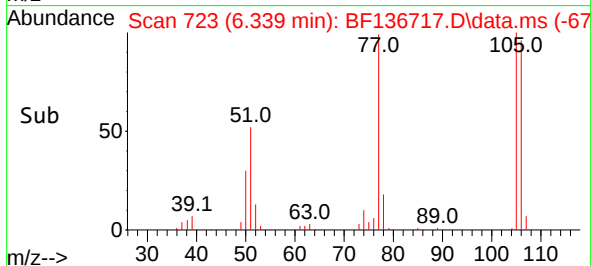
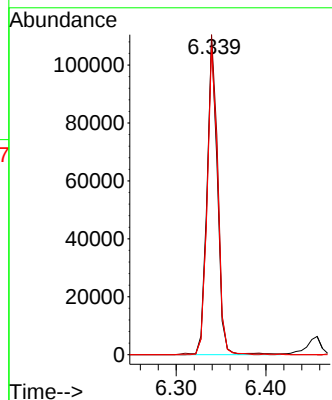
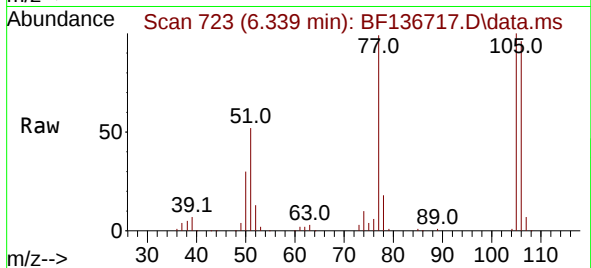
Tgt Ion: 77 Resp: 87650

Ion Ratio Lower Upper

77 100

105 101.3 84.8 124.8

106 97.5 77.8 117.8



#10

Phenol

Concen: 39.046 ng

RT: 6.457 min Scan# 743

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

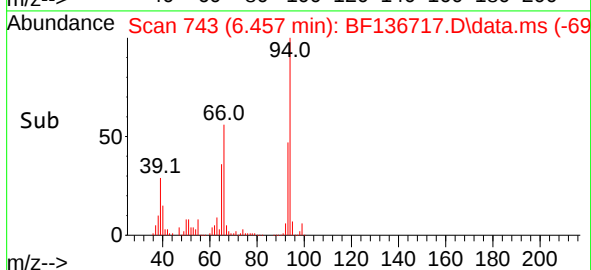
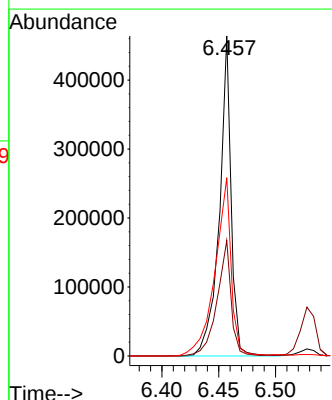
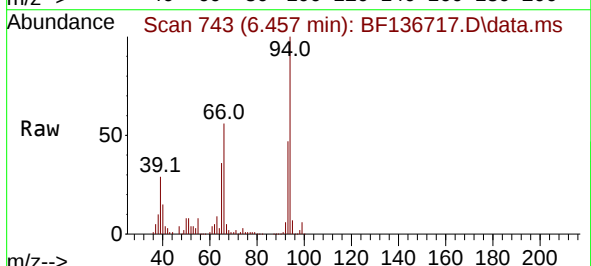
Tgt Ion: 94 Resp: 336471

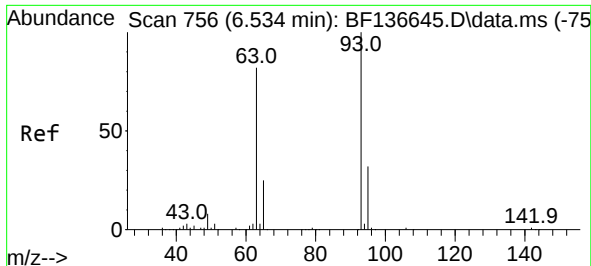
Ion Ratio Lower Upper

94 100

65 36.1 16.6 56.6

66 55.7 32.6 72.6





#11

bis(2-Chloroethyl)ether

Concen: 41.019 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

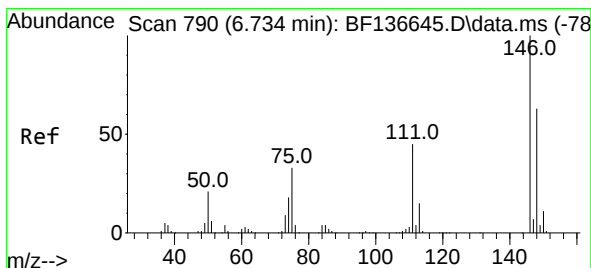
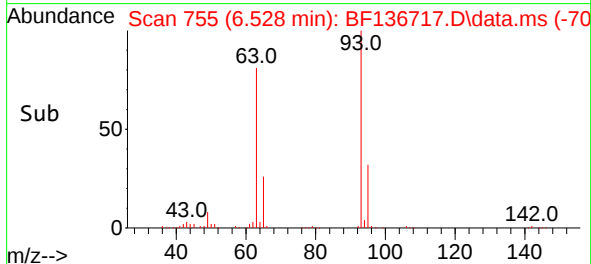
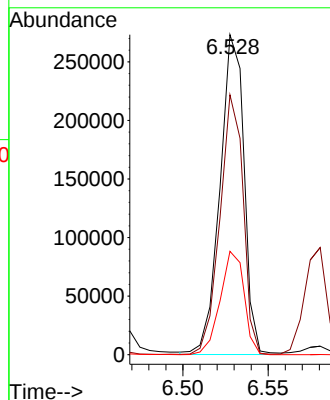
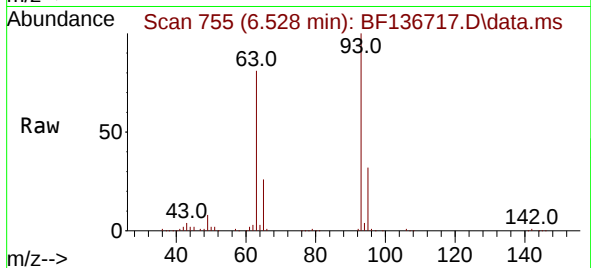
BNA\_F

ClientSampleId :

PB157810BS

Tgt Ion: 93 Resp: 268810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 81.2  | 61.2  | 101.2 |
| 95  | 32.3  | 11.6  | 51.6  |



#12

1,3-Dichlorobenzene

Concen: 37.574 ng

RT: 6.728 min Scan# 789

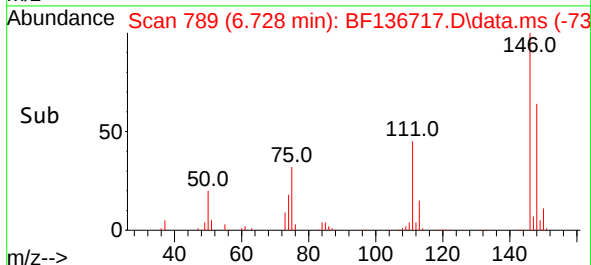
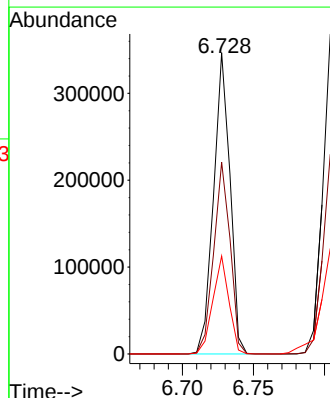
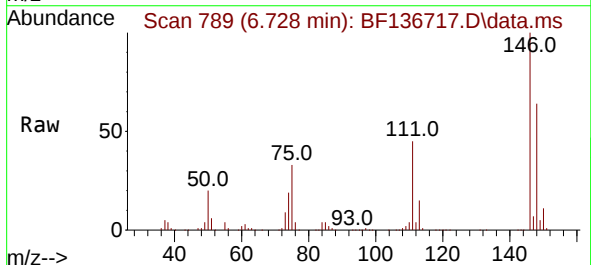
Delta R.T. -0.006 min

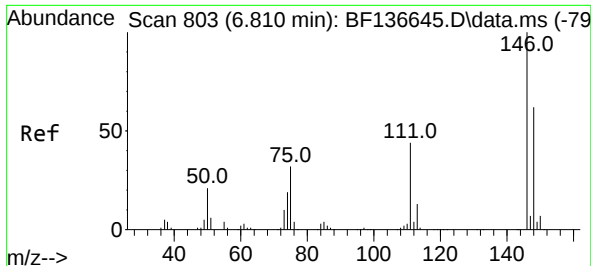
Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Tgt Ion: 146 Resp: 279444

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.7  | 50.5  | 75.7  |
| 75  | 32.5  | 26.2  | 39.4  |

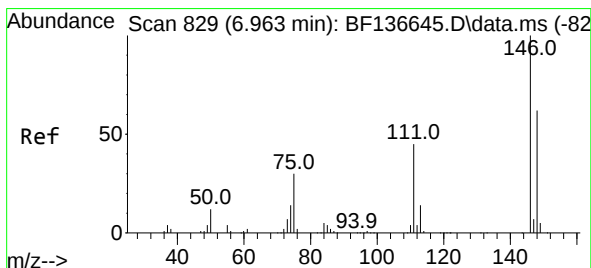
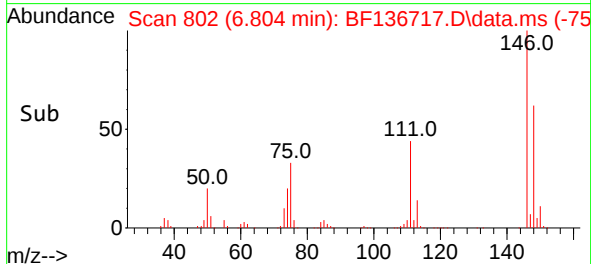
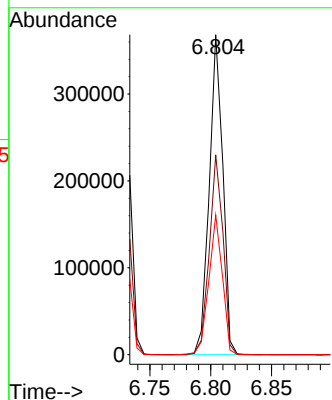
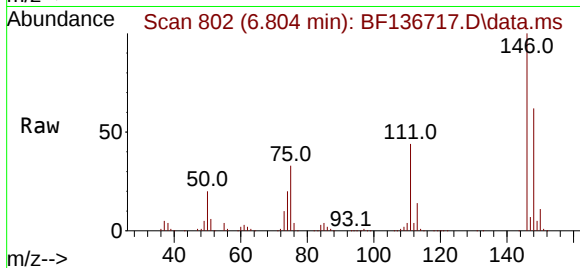




#13  
1,4-Dichlorobenzene  
Concen: 37.392 ng  
RT: 6.804 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

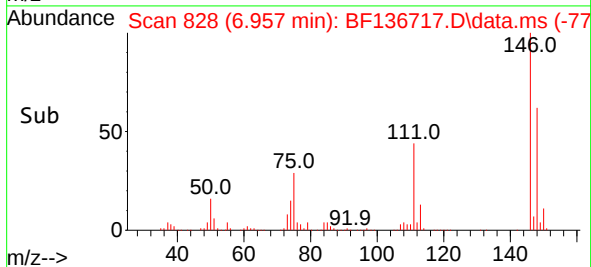
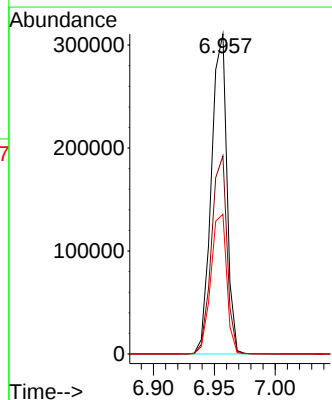
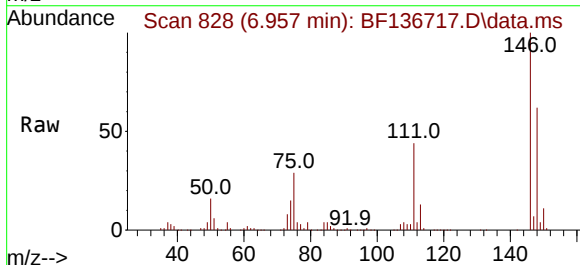
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

Tgt Ion:146 Resp: 284147  
Ion Ratio Lower Upper  
146 100  
148 62.5 49.2 73.8  
111 43.7 35.2 52.8



#14  
1,2-Dichlorobenzene  
Concen: 38.966 ng  
RT: 6.957 min Scan# 828  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:146 Resp: 275536  
Ion Ratio Lower Upper  
146 100  
148 61.9 49.6 74.4  
111 43.7 36.2 54.2

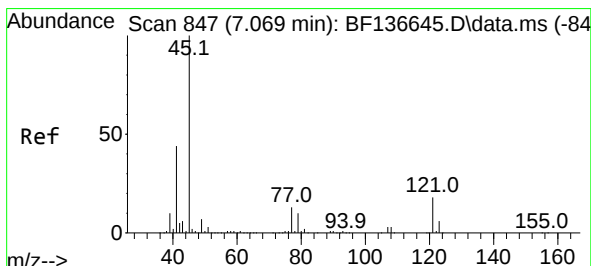
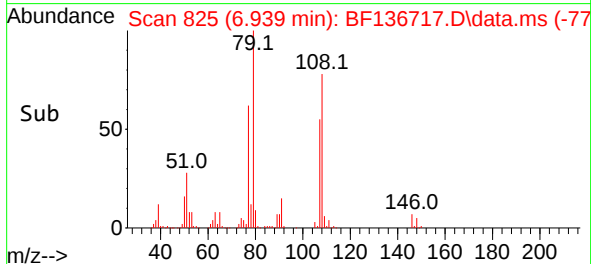
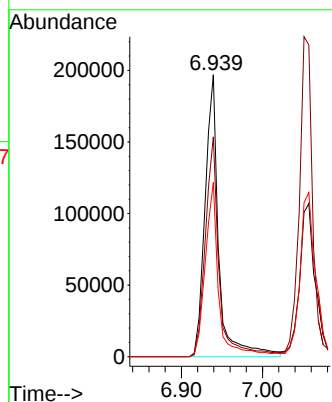
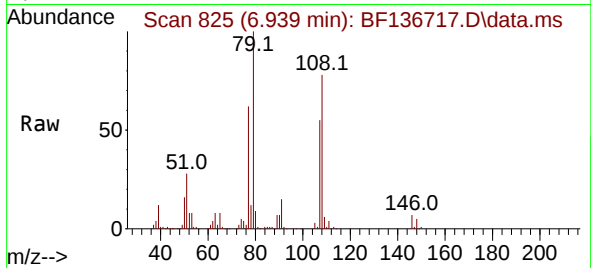




#15  
Benzyl Alcohol  
Concen: 42.384 ng  
RT: 6.939 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

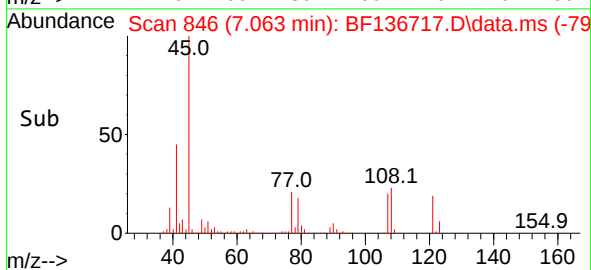
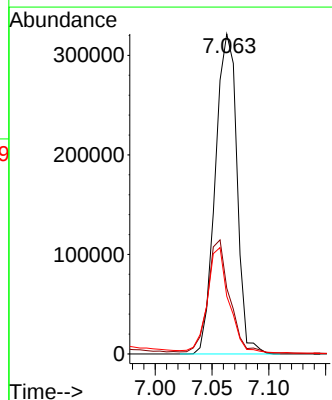
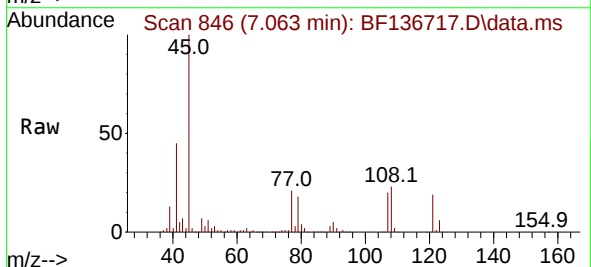
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

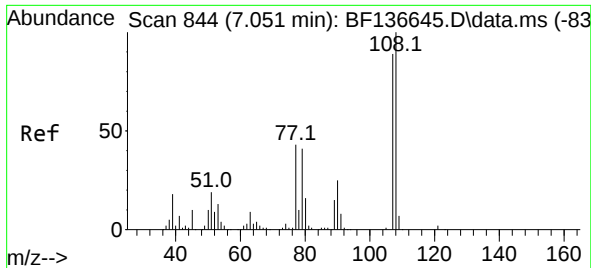
Tgt Ion: 79 Resp: 230818  
Ion Ratio Lower Upper  
79 100  
108 78.0 61.0 91.6  
77 61.8 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.847 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion: 45 Resp: 426936  
Ion Ratio Lower Upper  
45 100  
77 20.6 0.0 34.3  
79 18.0 0.0 31.4

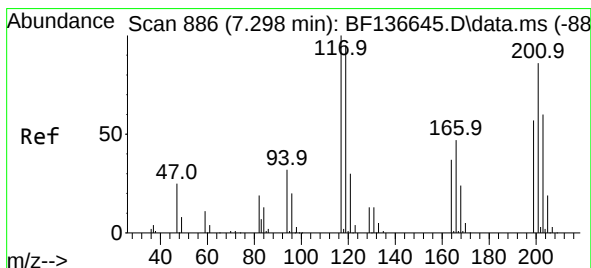
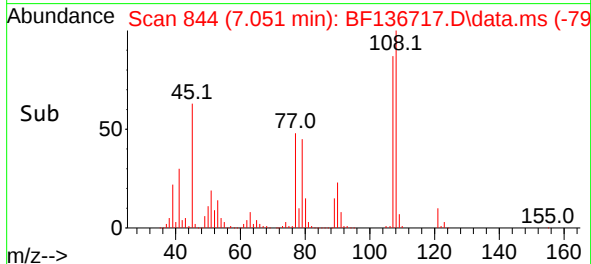
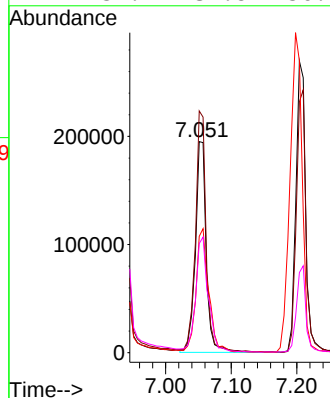
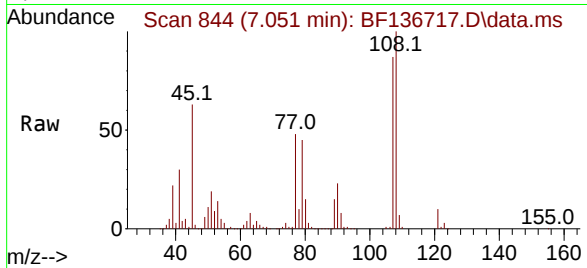




#17  
2-Methylphenol  
Concen: 39.912 ng  
RT: 7.051 min Scan# 844  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

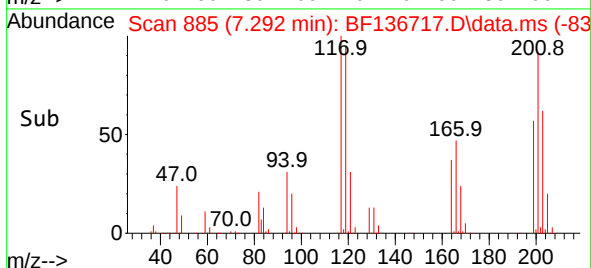
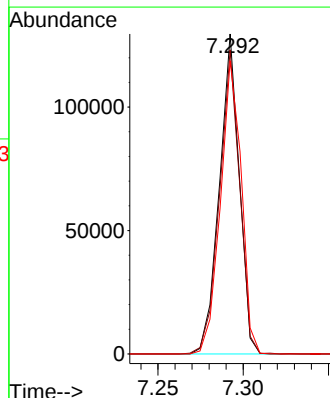
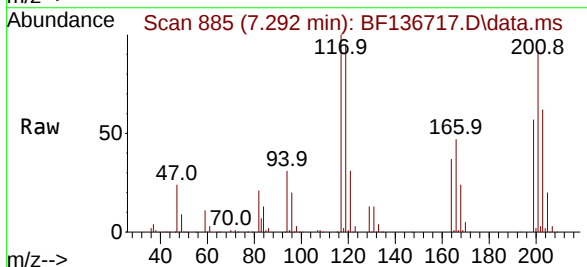
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 225415 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.5 | 90.3  | 135.5  |
| 77       | 55.1  | 38.7  | 58.1   |
| 79       | 51.7  | 37.8  | 56.6   |



#18  
Hexachloroethane  
Concen: 38.084 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 105103 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.1  | 75.8  | 113.6  |
| 201      | 91.7  | 69.1  | 103.7  |

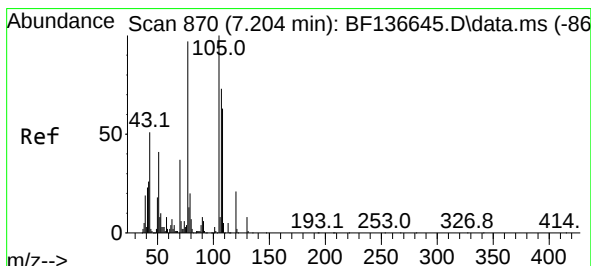
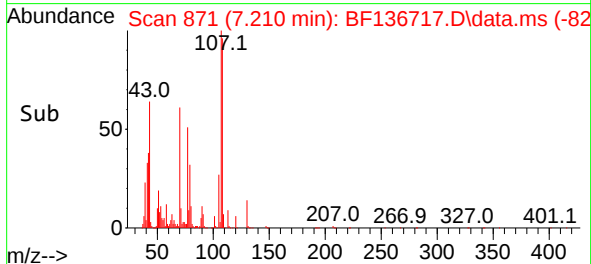
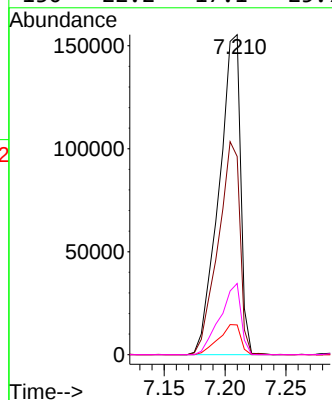
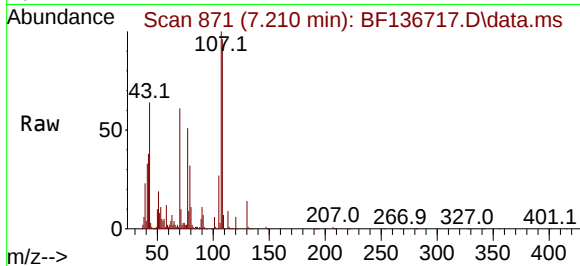




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.190 ng  
RT: 7.210 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

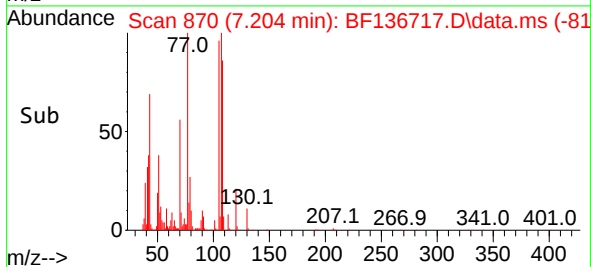
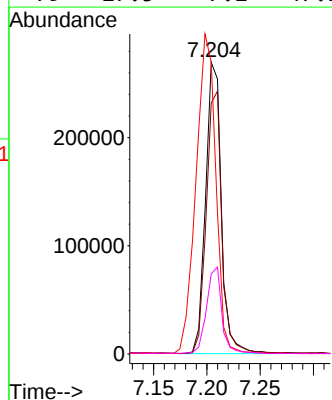
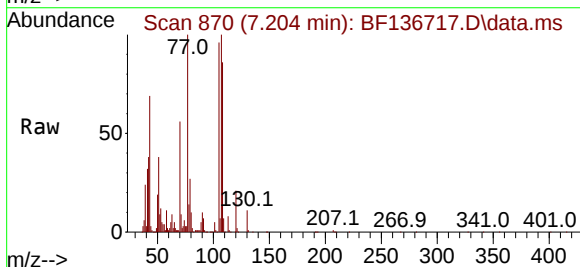
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

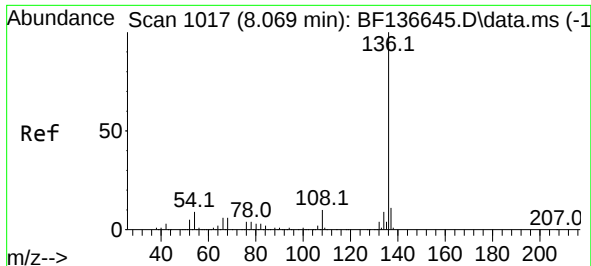
Tgt Ion: 70 Resp: 191772  
Ion Ratio Lower Upper  
70 100  
42 61.9 54.2 81.4  
101 9.3 7.6 11.4  
130 22.2 17.1 25.7



#20  
3+4-Methylphenols  
Concen: 39.324 ng  
RT: 7.204 min Scan# 870  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion: 107 Resp: 277468  
Ion Ratio Lower Upper  
107 100  
108 86.0 66.0 106.0  
77 100.0 114.2 154.2#  
79 27.5 7.2 47.2



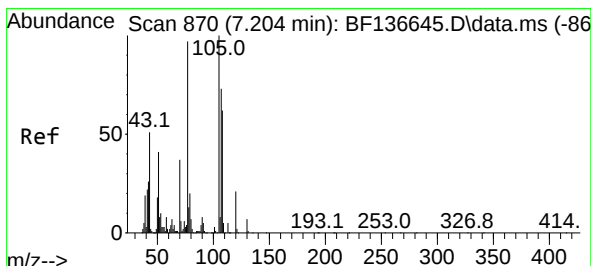
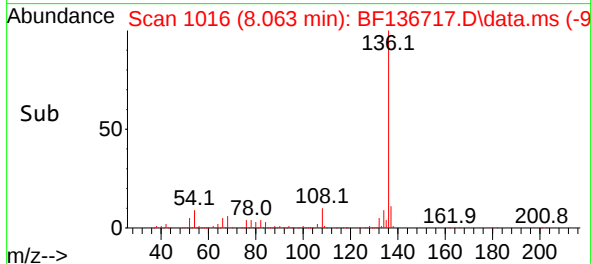
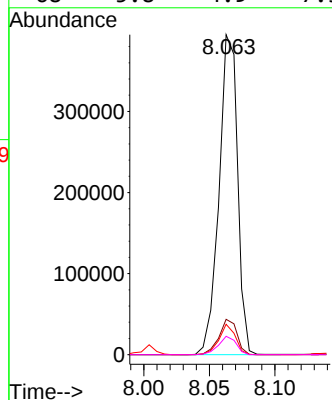
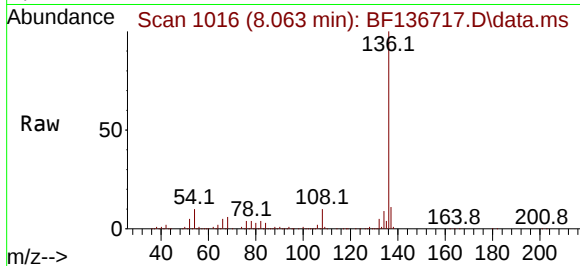


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

Tgt Ion:136 Resp: 387736

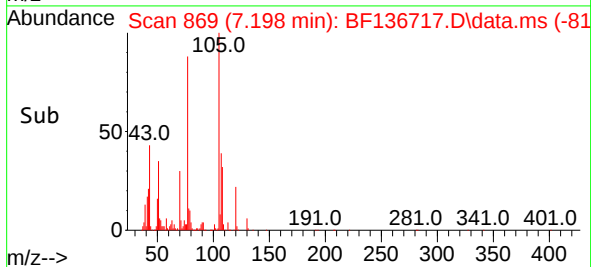
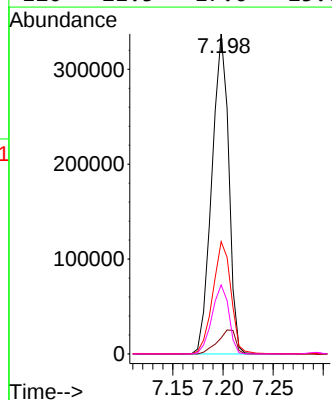
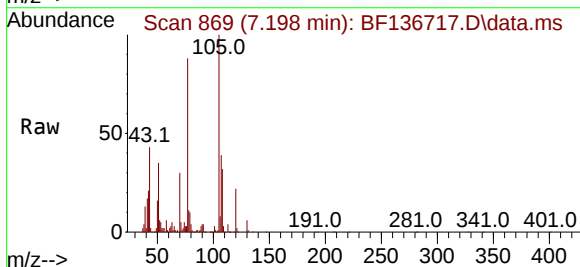
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 9.0   | 13.4  |
| 54  | 9.5   | 7.2   | 10.8  |
| 68  | 5.8   | 4.9   | 7.3   |

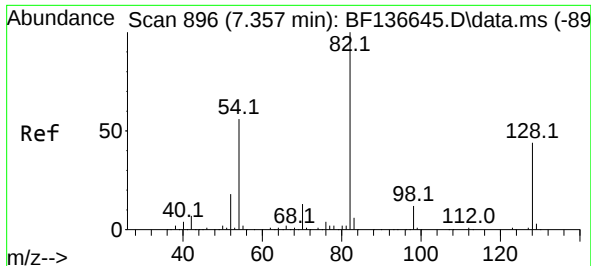


#22  
Acetophenone  
Concen: 40.571 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:105 Resp: 394291

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 5.0   | 4.8   | 7.2   |
| 51  | 35.1  | 32.8  | 49.2  |
| 120 | 21.5  | 17.0  | 25.6  |

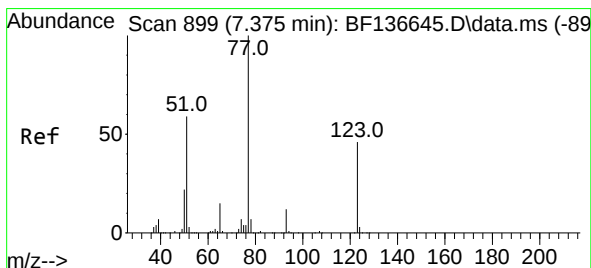
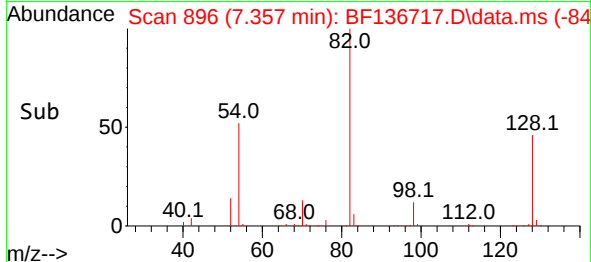
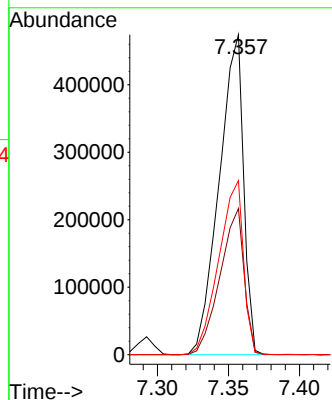
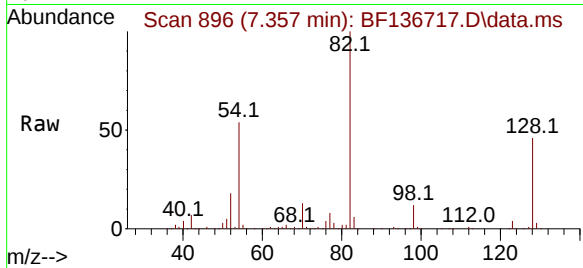




#23  
Nitrobenzene-d5  
Concen: 74.844 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

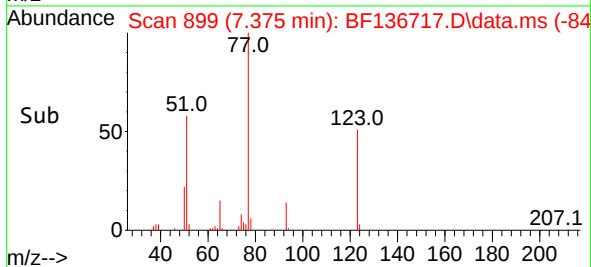
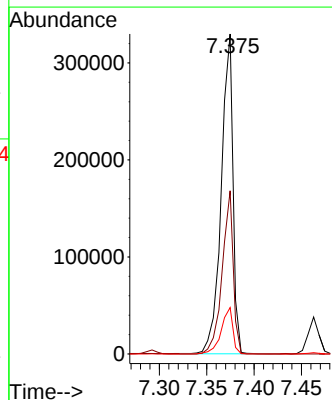
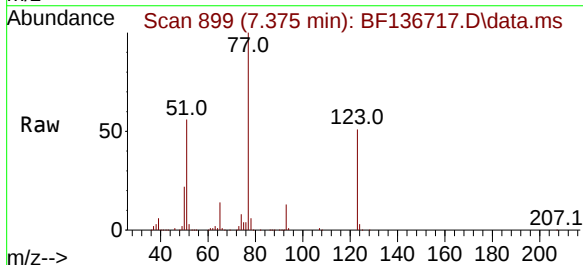
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

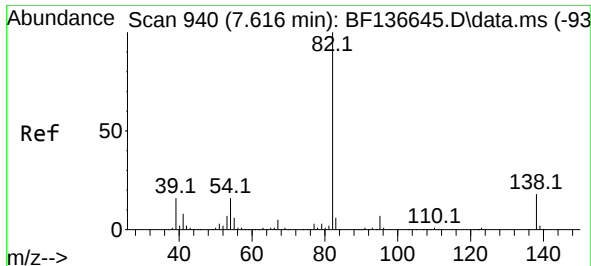
Tgt Ion: 82 Resp: 567110  
Ion Ratio Lower Upper  
82 100  
128 45.7 35.3 52.9  
54 54.4 44.5 66.7



#24  
Nitrobenzene  
Concen: 37.528 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion: 77 Resp: 284854  
Ion Ratio Lower Upper  
77 100  
123 51.0 36.7 55.1  
65 14.5 11.8 17.6

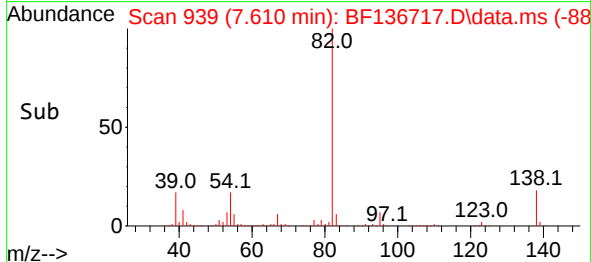
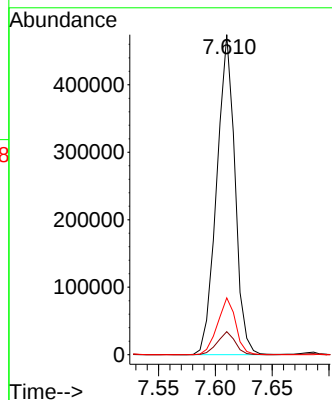
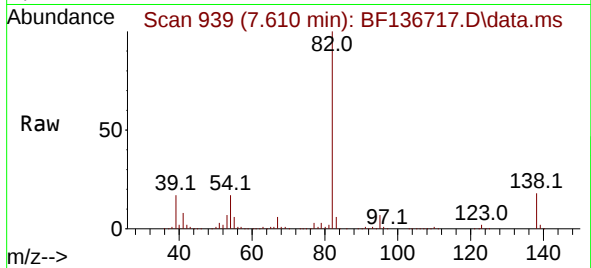




#25  
Isophorone  
Concen: 38.434 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

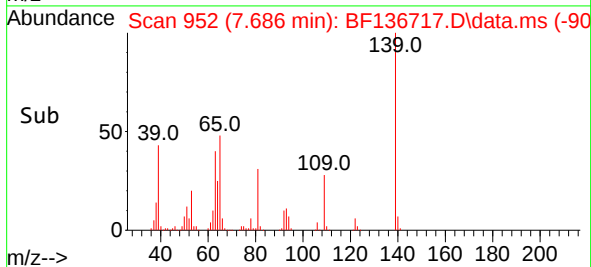
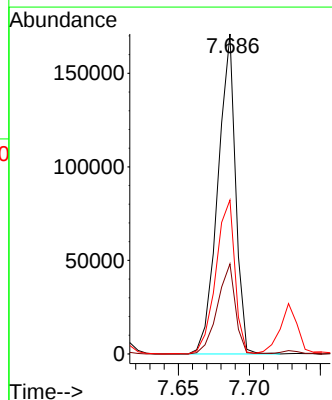
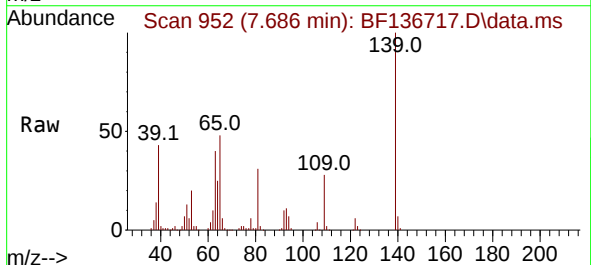
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

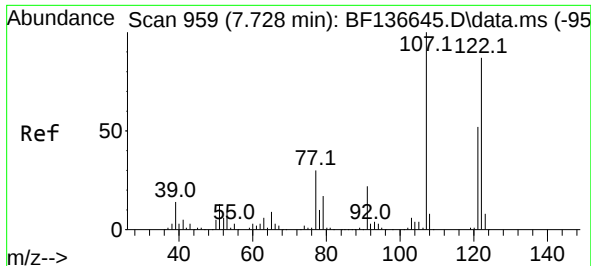
Tgt Ion: 82 Resp: 529916  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 17.7 14.5 21.7



#26  
2-Nitrophenol  
Concen: 40.915 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

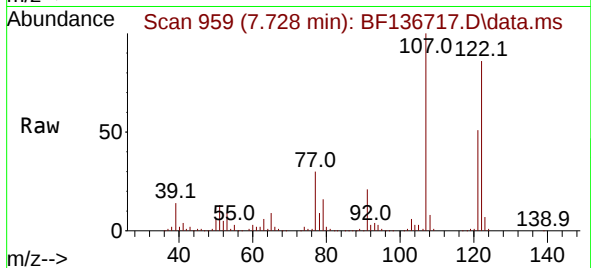
Tgt Ion:139 Resp: 148588  
Ion Ratio Lower Upper  
139 100  
109 28.2 21.9 32.9  
65 48.1 38.6 58.0



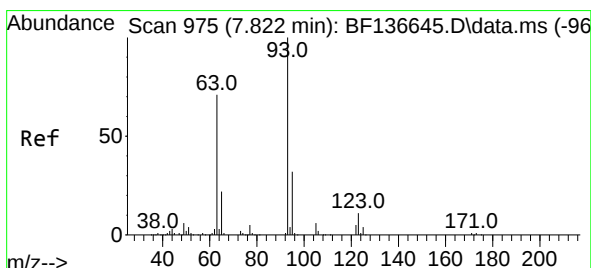
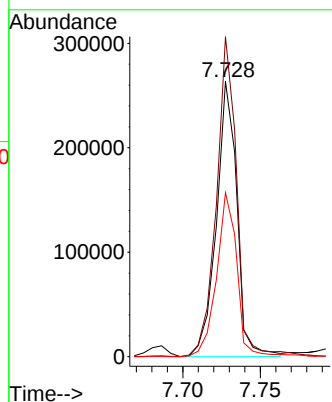
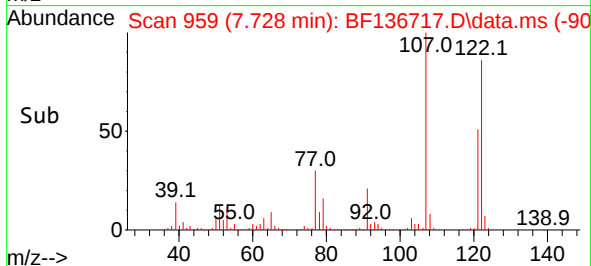


#27  
2,4-Dimethylphenol  
Concen: 54.461 ng  
RT: 7.728 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

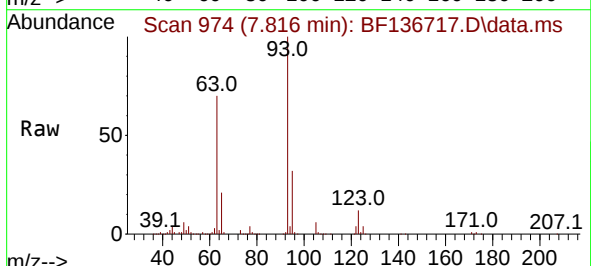
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS



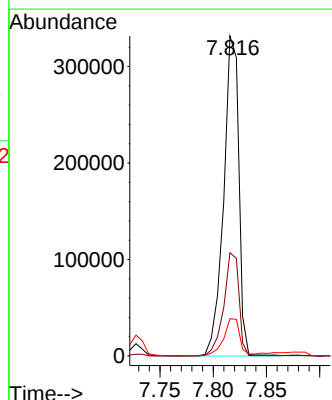
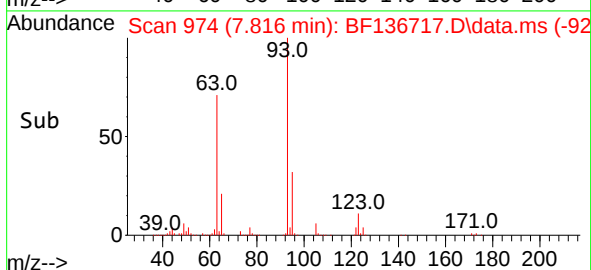
Tgt Ion:122 Resp: 240784  
Ion Ratio Lower Upper  
122 100  
107 116.3 92.0 138.0  
121 59.6 47.5 71.3

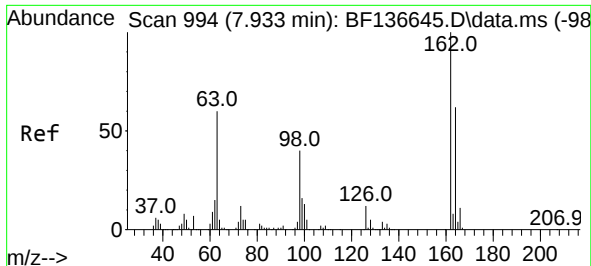


#28  
bis(2-Chloroethoxy)methane  
Concen: 39.151 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54



Tgt Ion: 93 Resp: 328113  
Ion Ratio Lower Upper  
93 100  
95 32.2 25.5 38.3  
123 11.7 9.2 13.8

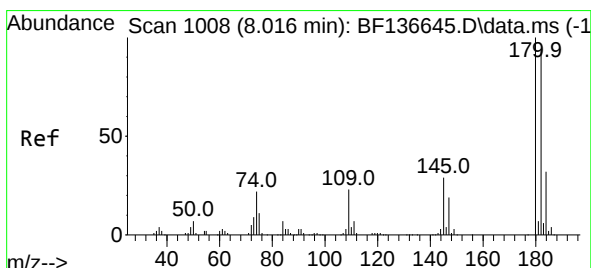
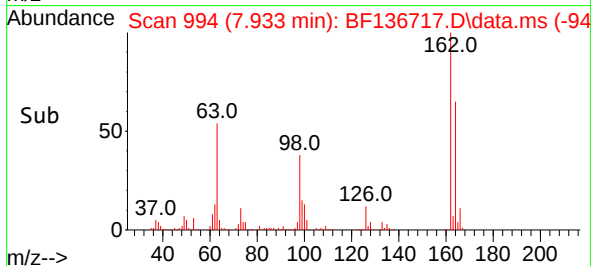
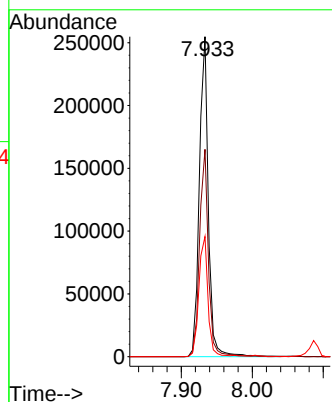
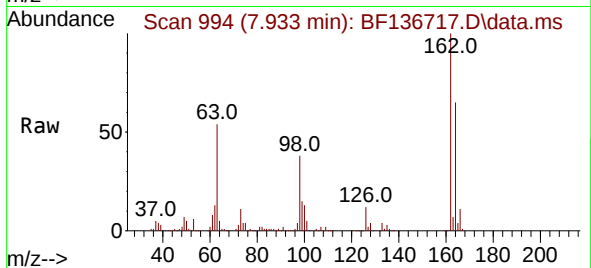




#29  
2,4-Dichlorophenol  
Concen: 39.506 ng  
RT: 7.933 min Scan# 994  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

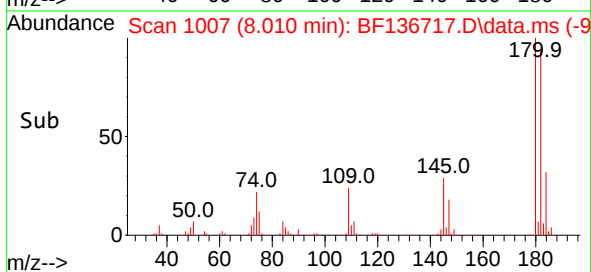
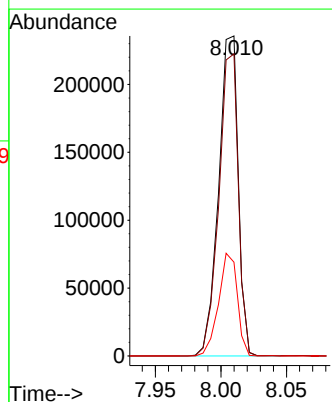
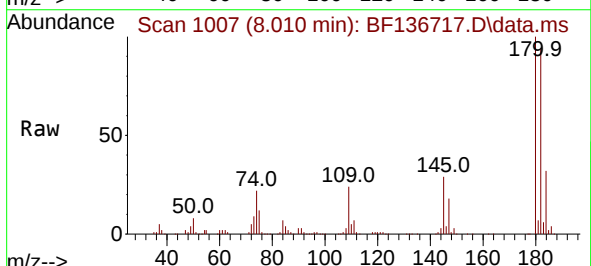
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

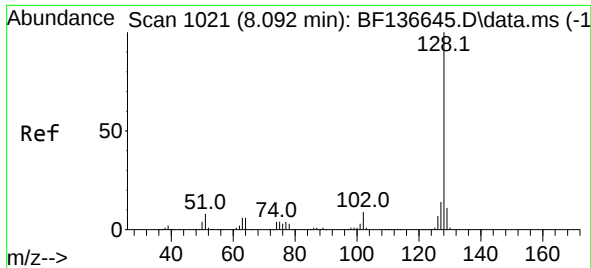
Tgt Ion:162 Resp: 224867  
Ion Ratio Lower Upper  
162 100  
164 64.8 41.7 81.7  
98 37.6 19.5 59.5



#30  
1,2,4-Trichlorobenzene  
Concen: 38.571 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:180 Resp: 244613  
Ion Ratio Lower Upper  
180 100  
182 94.4 75.4 113.0  
145 29.3 23.1 34.7

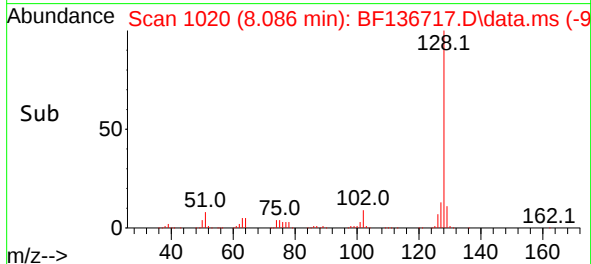
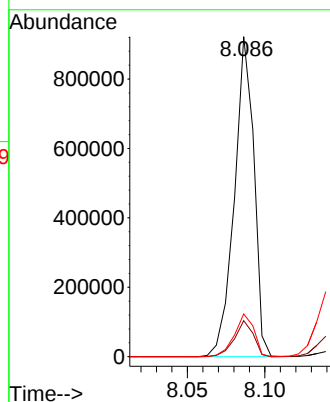
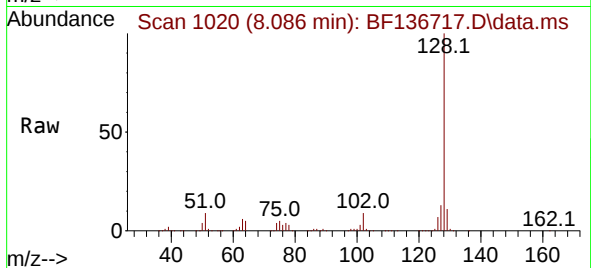




#31  
Naphthalene  
Concen: 37.902 ng  
RT: 8.086 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

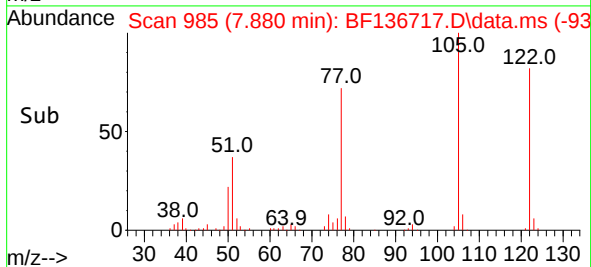
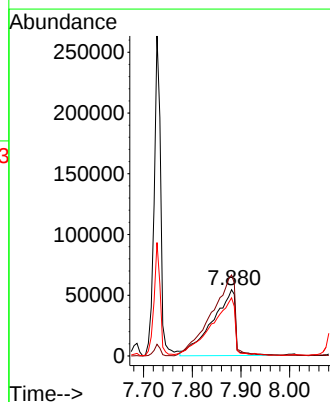
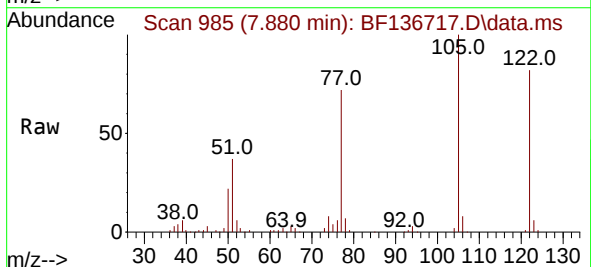
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

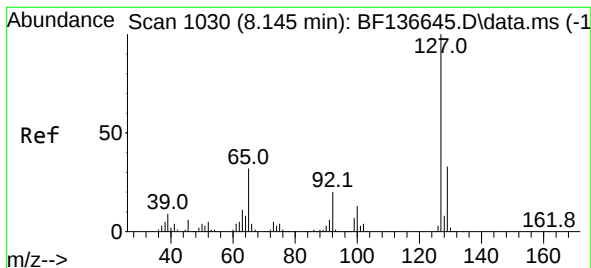
Tgt Ion:128 Resp: 807360  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.7 13.1  
127 13.4 10.8 16.2



#32  
Benzoic acid  
Concen: 42.366 ng  
RT: 7.880 min Scan# 985  
Delta R.T. 0.024 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:122 Resp: 181237  
Ion Ratio Lower Upper  
122 100  
105 122.0 100.8 140.8  
77 87.7 70.9 110.9

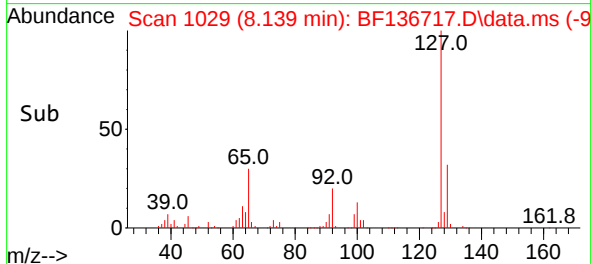
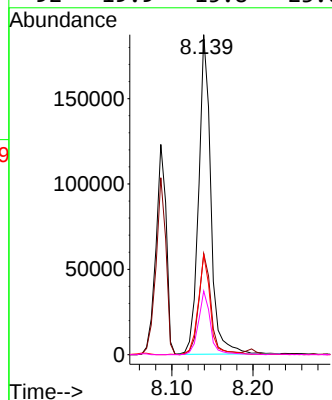
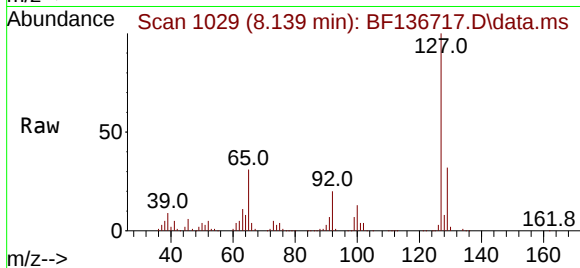




#33  
4-Chloroaniline  
Concen: 24.944 ng  
RT: 8.139 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

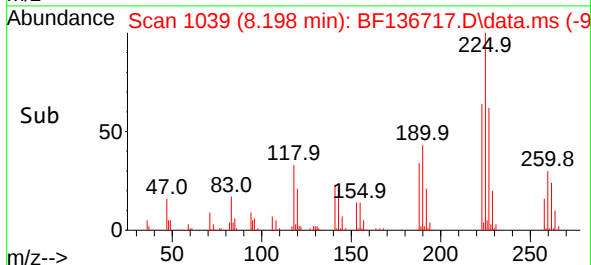
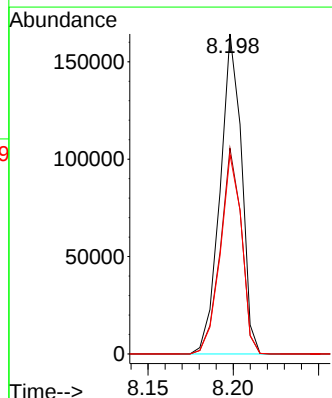
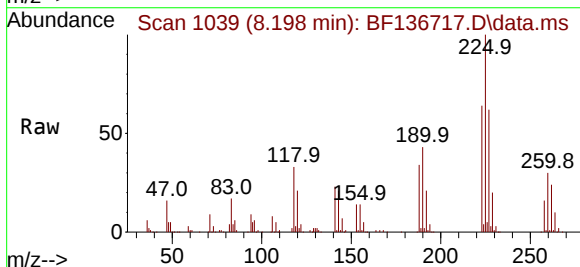
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

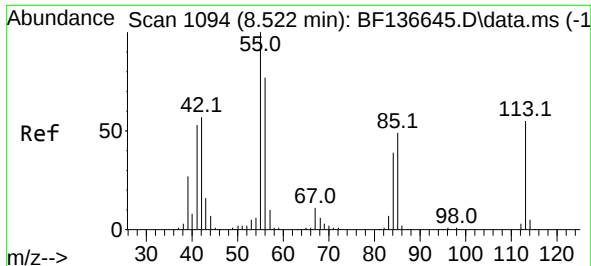
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 196179 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.6  | 26.3  | 39.5   |
| 65       | 31.2  | 25.8  | 38.8   |
| 92       | 19.9  | 15.8  | 23.6   |



#34  
Hexachlorobutadiene  
Concen: 37.226 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 143437 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.3  | 50.6  | 76.0   |
| 227      | 62.2  | 51.9  | 77.9   |

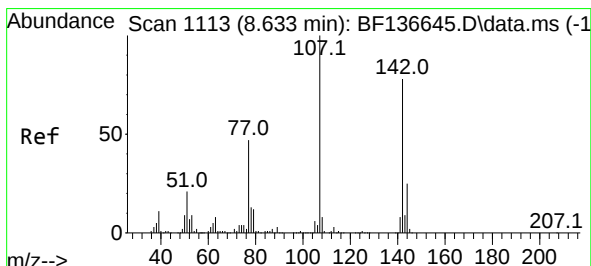
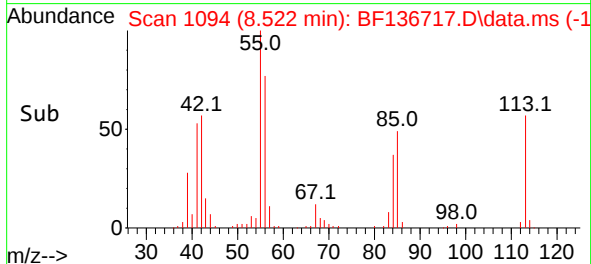
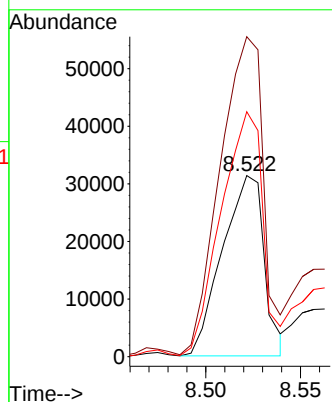
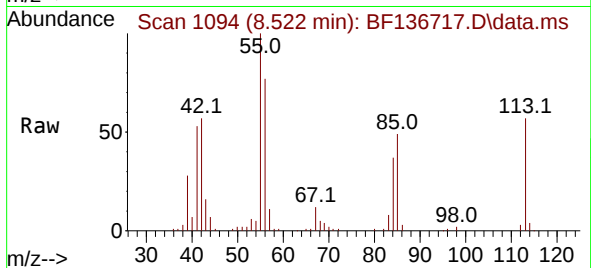




#35  
 Caprolactam  
 Concen: 25.519 ng  
 RT: 8.522 min Scan# 1094  
 Delta R.T. -0.000 min  
 Lab File: BF136717.D  
 Acq: 26 Dec 2023 13:54

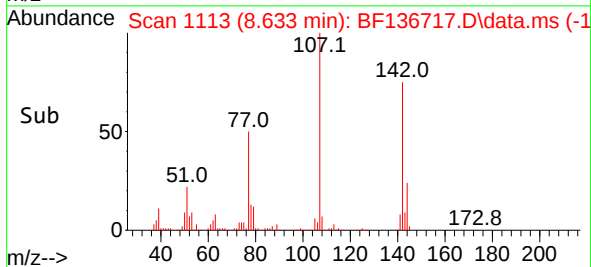
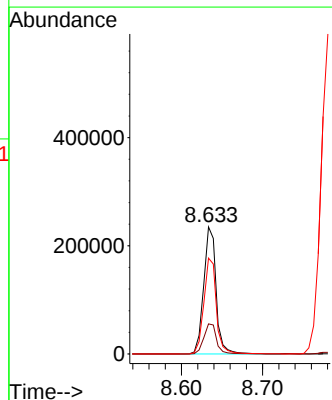
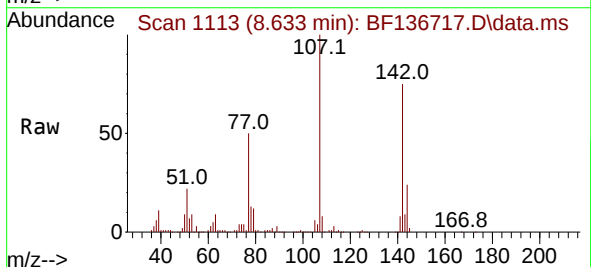
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157810BS

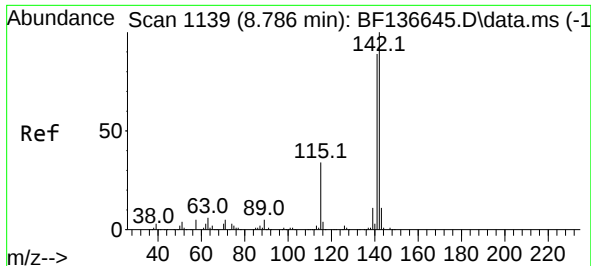
Tgt Ion:113 Resp: 47919  
 Ion Ratio Lower Upper  
 113 100  
 55 176.7 163.1 203.1  
 56 135.2 121.7 161.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.978 ng  
 RT: 8.633 min Scan# 1113  
 Delta R.T. -0.000 min  
 Lab File: BF136717.D  
 Acq: 26 Dec 2023 13:54

Tgt Ion:107 Resp: 249765  
 Ion Ratio Lower Upper  
 107 100  
 144 23.7 20.2 30.2  
 142 75.4 62.3 93.5





#37

2-Methylnaphthalene

Concen: 37.681 ng

RT: 8.780 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

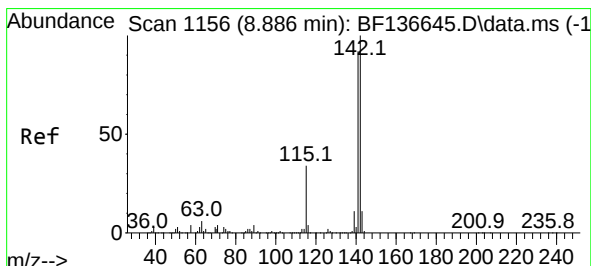
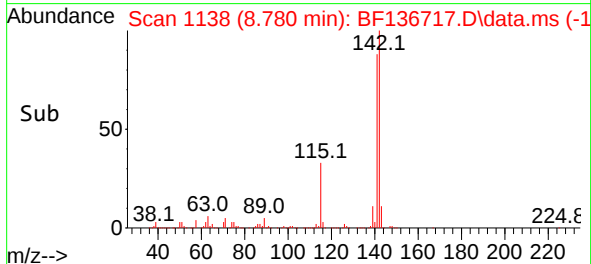
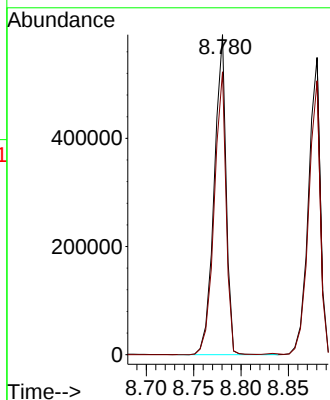
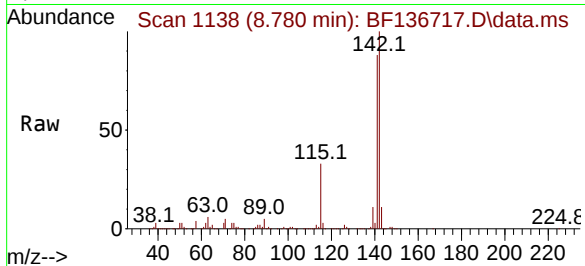
PB157810BS

Tgt Ion:142 Resp: 516564

Ion Ratio Lower Upper

142 100

141 88.4 71.1 106.7



#38

1-Methylnaphthalene

Concen: 35.688 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF136717.D

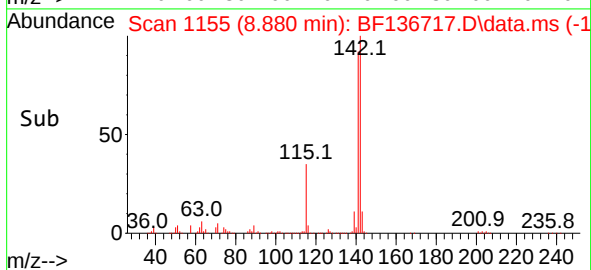
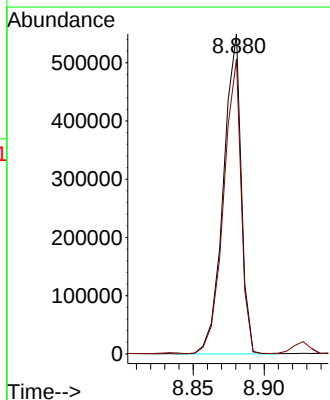
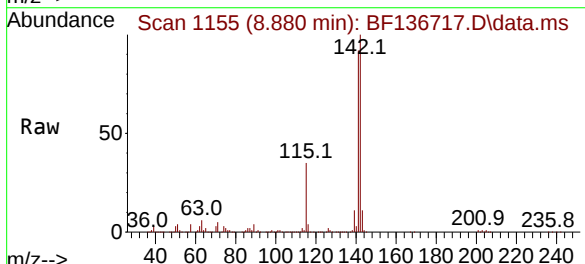
Acq: 26 Dec 2023 13:54

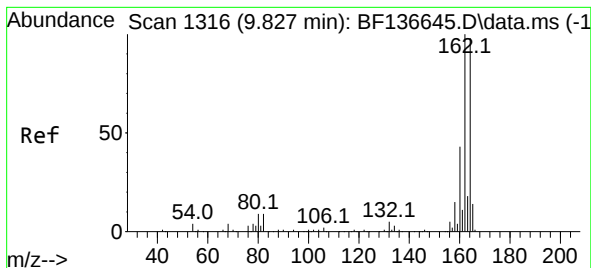
Tgt Ion:142 Resp: 479982

Ion Ratio Lower Upper

142 100

141 92.2 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

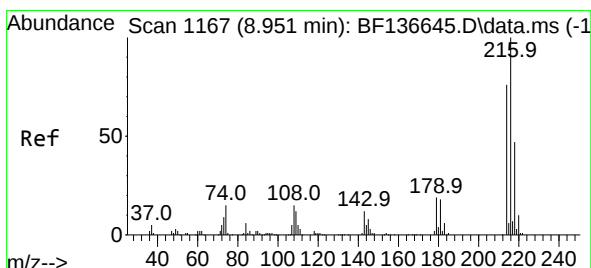
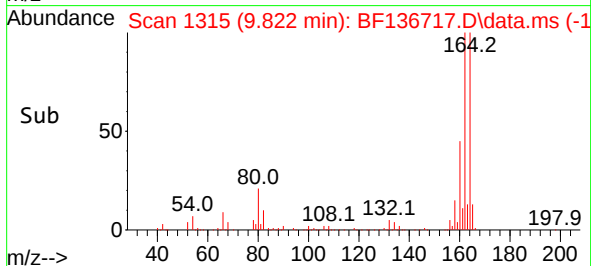
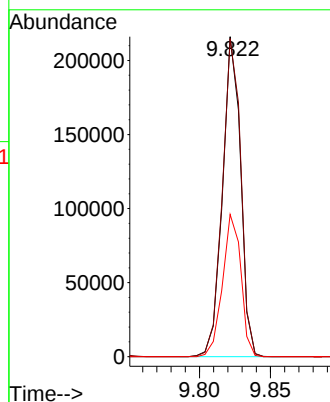
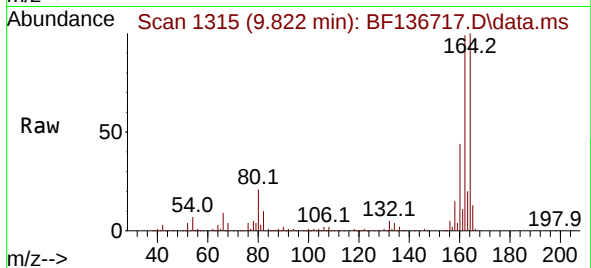
Tgt Ion:164 Resp: 190231

Ion Ratio Lower Upper

164 100

162 99.4 81.6 122.4

160 44.5 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.785 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Tgt Ion:216 Resp: 246168

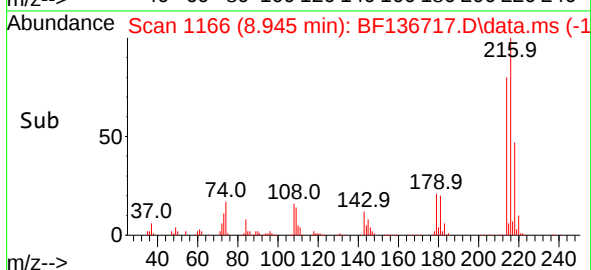
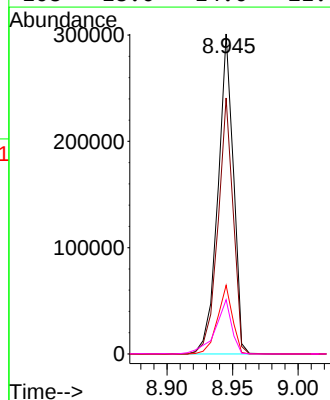
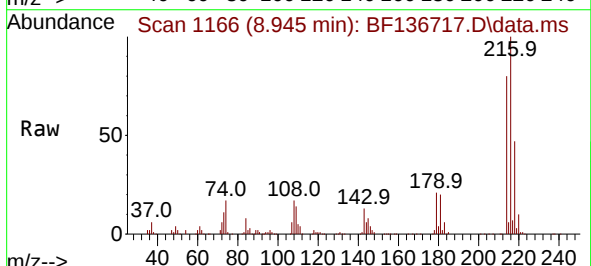
Ion Ratio Lower Upper

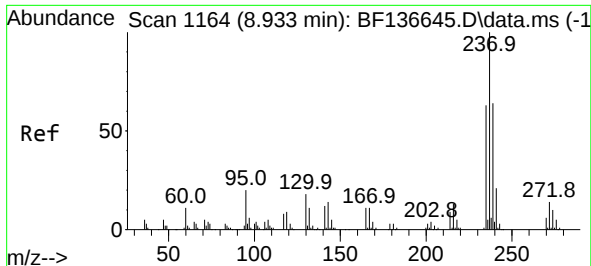
216 100

214 78.4 62.3 93.5

179 20.7 16.4 24.6

108 18.0 14.0 21.0

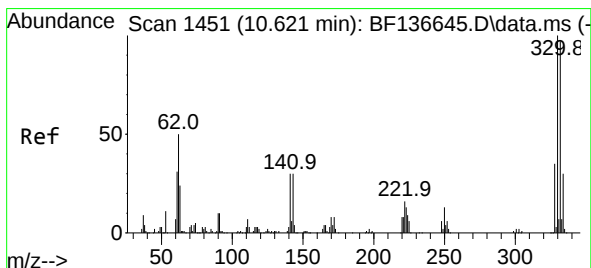
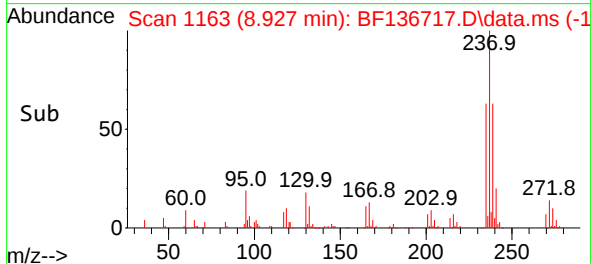
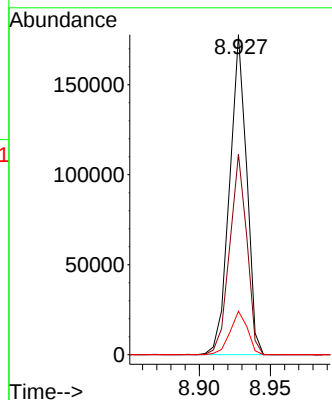
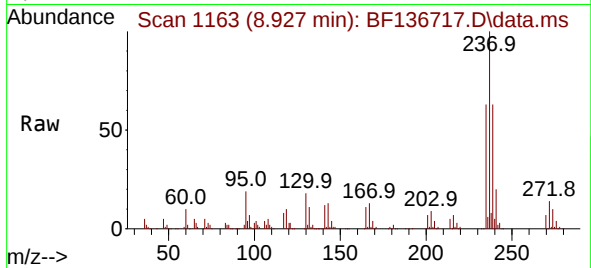




#41  
Hexachlorocyclopentadiene  
Concen: 79.142 ng  
RT: 8.927 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

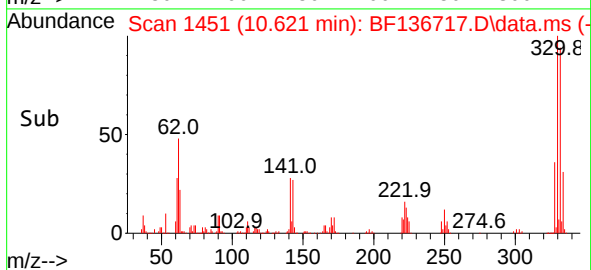
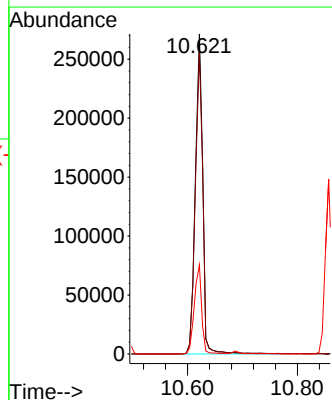
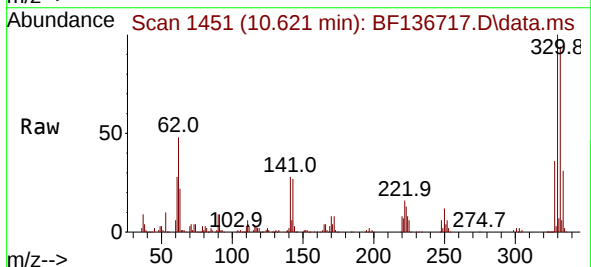
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

Tgt Ion:237 Resp: 148557  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.2 83.2  
272 13.6 0.0 34.2



#42  
2,4,6-Tribromophenol  
Concen: 112.446 ng  
RT: 10.621 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:330 Resp: 251924  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.4 116.0  
141 27.7 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 41.705 ng

RT: 9.063 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

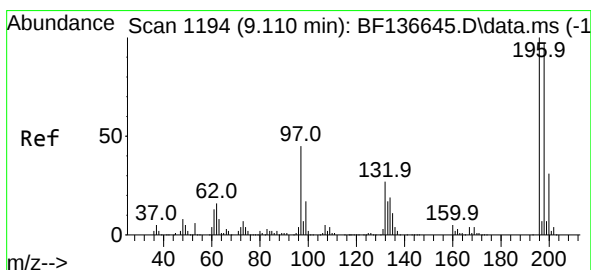
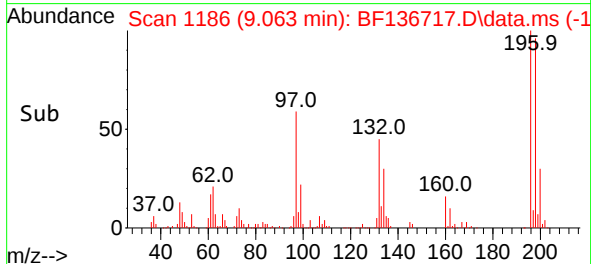
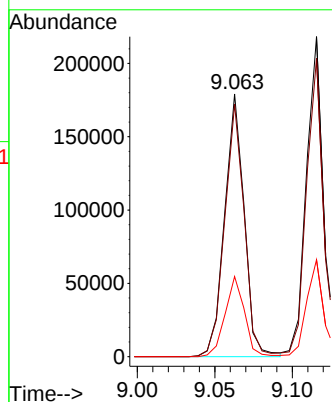
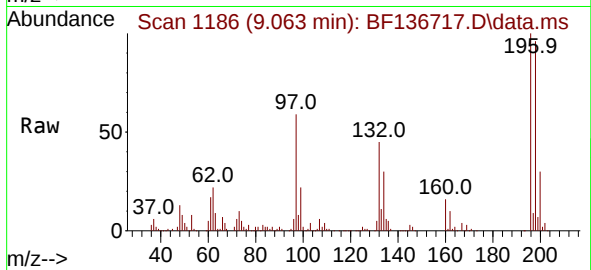
Tgt Ion:196 Resp: 157572

Ion Ratio Lower Upper

196 100

198 96.1 75.1 112.7

200 30.5 22.5 33.7



#44

2,4,5-Trichlorophenol

Concen: 40.952 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Tgt Ion:196 Resp: 172422

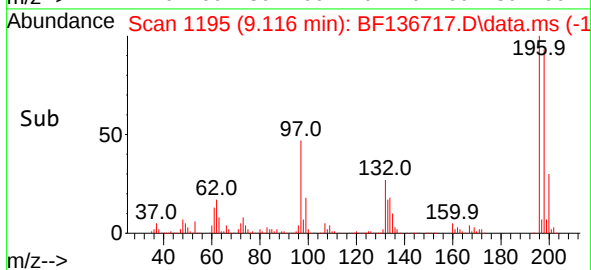
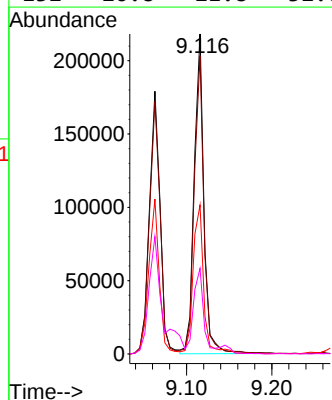
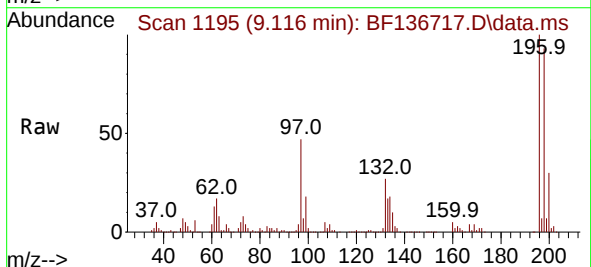
Ion Ratio Lower Upper

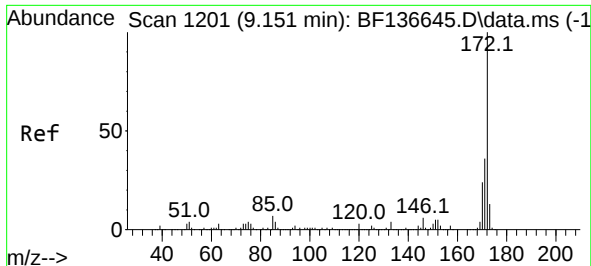
196 100

198 93.3 77.0 115.6

97 46.6 36.1 54.1

132 26.8 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 77.335 ng

RT: 9.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

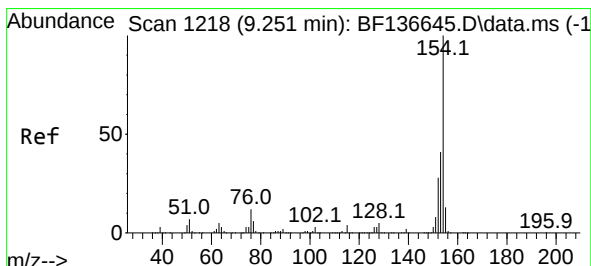
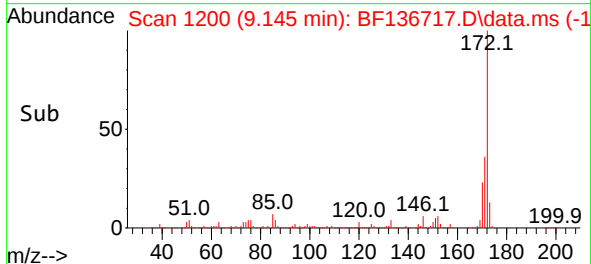
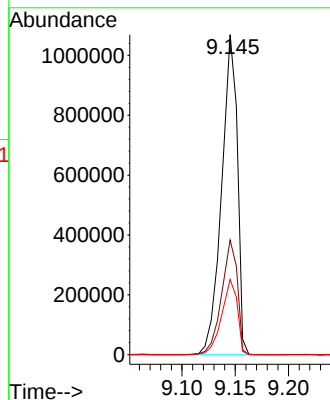
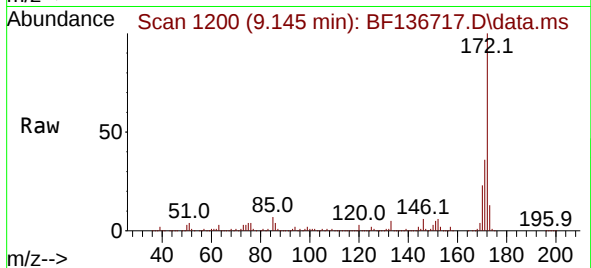
Tgt Ion:172 Resp: 1093798

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 23.5 19.0 28.4



#46

1,1'-Biphenyl

Concen: 40.427 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

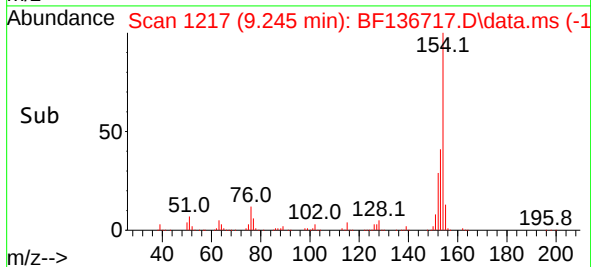
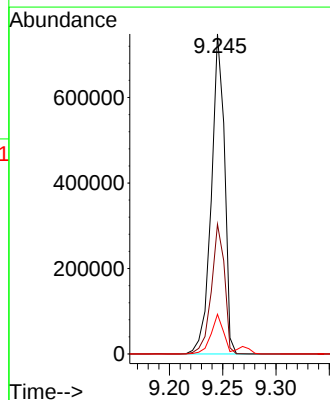
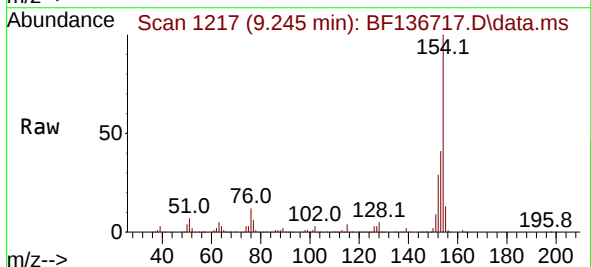
Tgt Ion:154 Resp: 645354

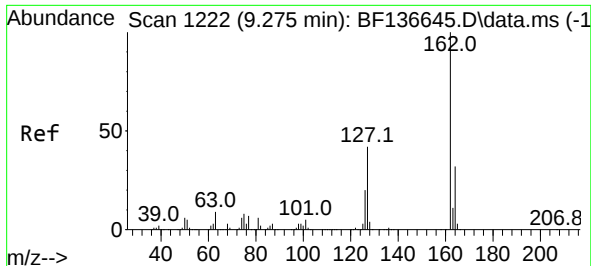
Ion Ratio Lower Upper

154 100

153 40.6 21.1 61.1

76 12.4 0.0 31.7

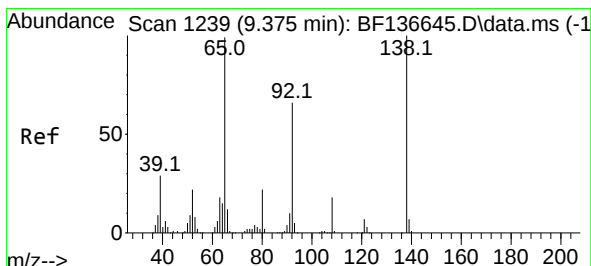
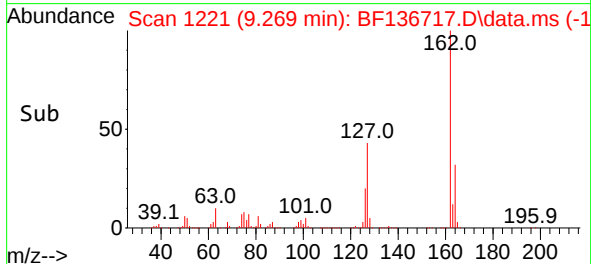
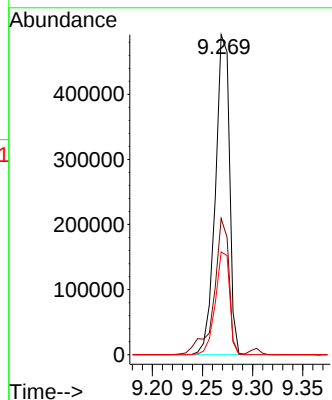
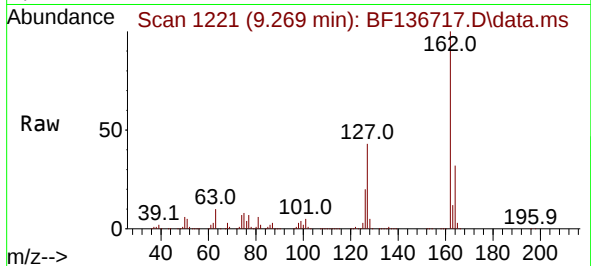




#47  
2-Chloronaphthalene  
Concen: 39.629 ng  
RT: 9.269 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

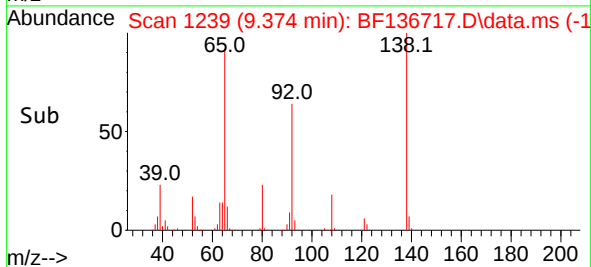
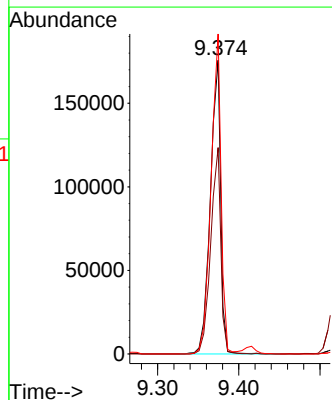
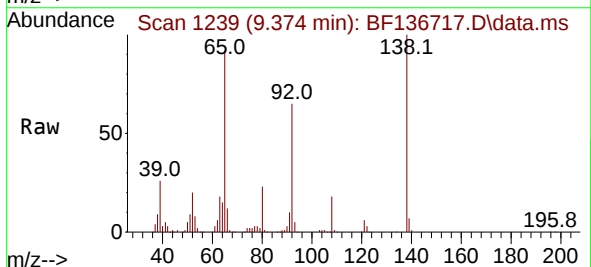
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

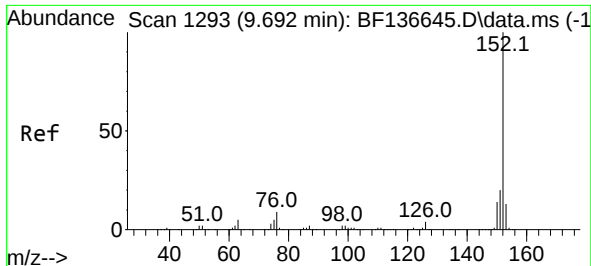
Tgt Ion:162 Resp: 480925  
Ion Ratio Lower Upper  
162 100  
127 42.5 33.6 50.4  
164 32.1 25.7 38.5



#48  
2-Nitroaniline  
Concen: 40.609 ng  
RT: 9.374 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion: 65 Resp: 154325  
Ion Ratio Lower Upper  
65 100  
92 70.3 53.2 79.8  
138 108.9 81.1 121.7





#49

Acenaphthylene

Concen: 40.106 ng

RT: 9.686 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

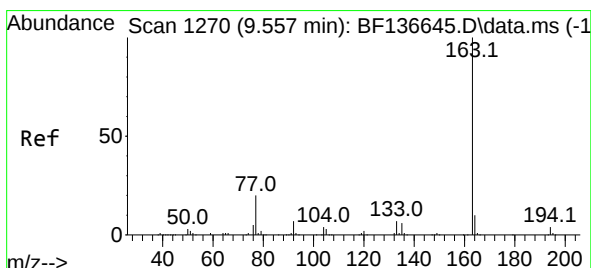
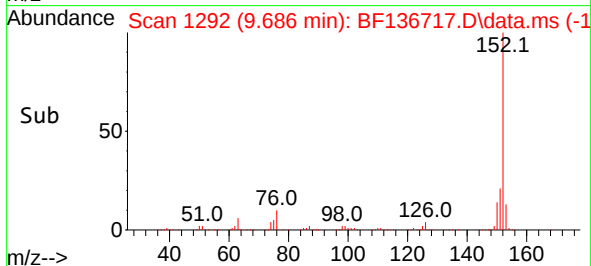
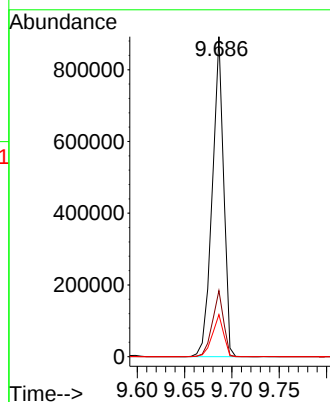
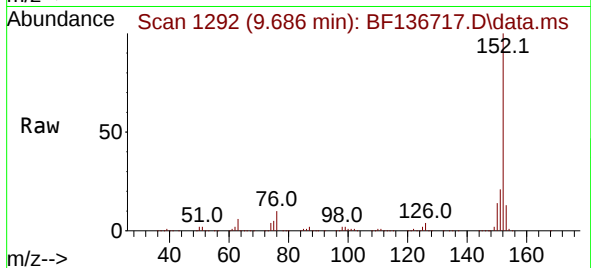
Tgt Ion:152 Resp: 743929

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

153 13.2 10.2 15.2



#50

Dimethylphthalate

Concen: 40.049 ng

RT: 9.551 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

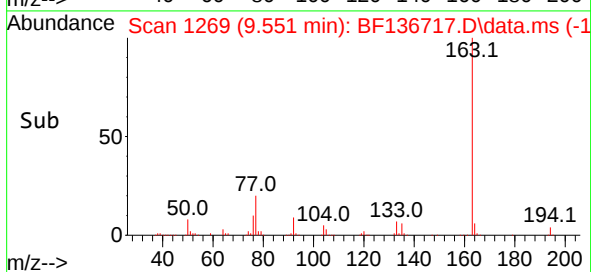
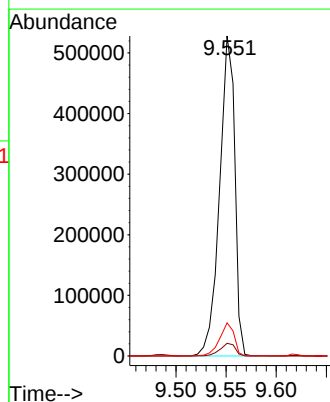
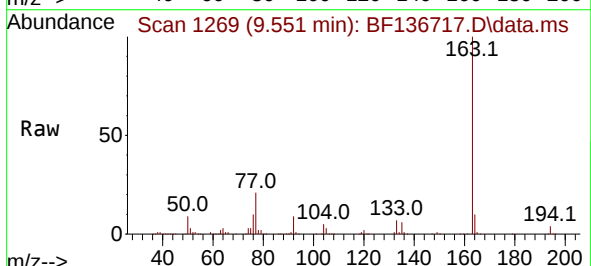
Tgt Ion:163 Resp: 556472

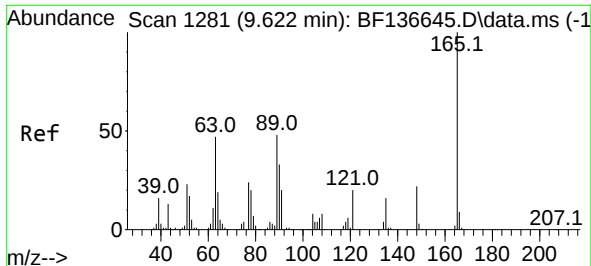
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.4 7.8 11.6

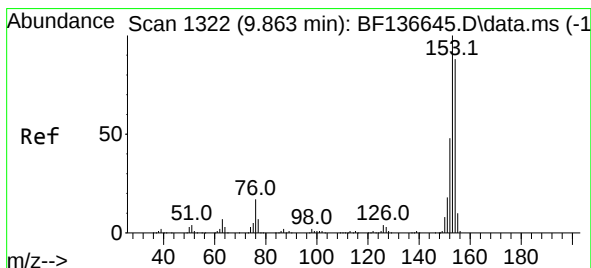
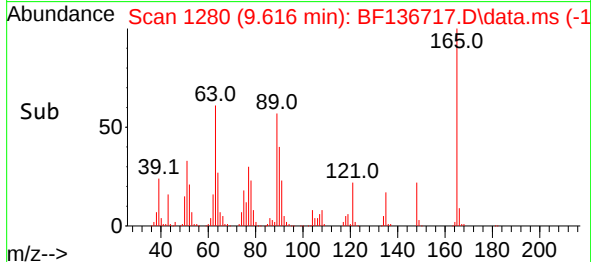
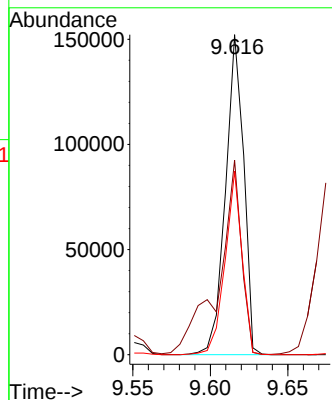
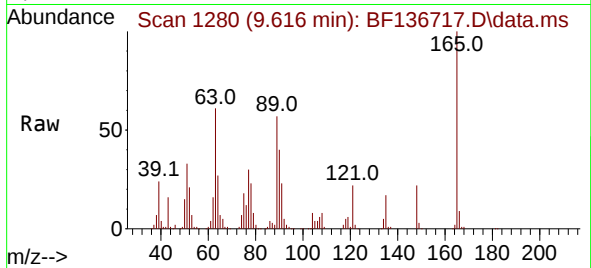




#51  
2,6-Dinitrotoluene  
Concen: 39.348 ng  
RT: 9.616 min Scan# 1280  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

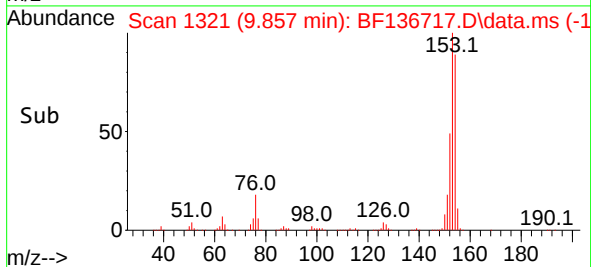
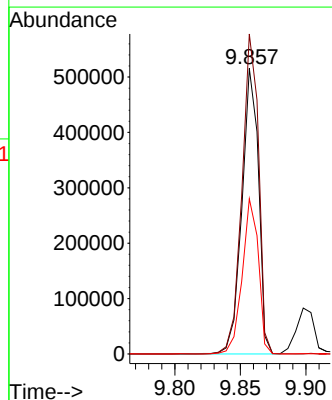
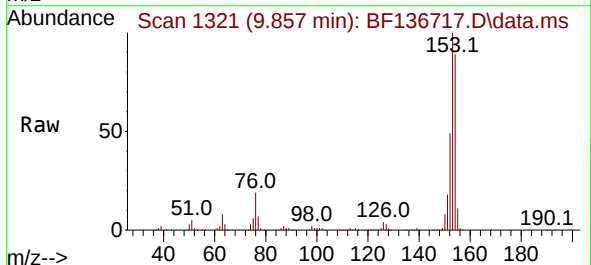
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

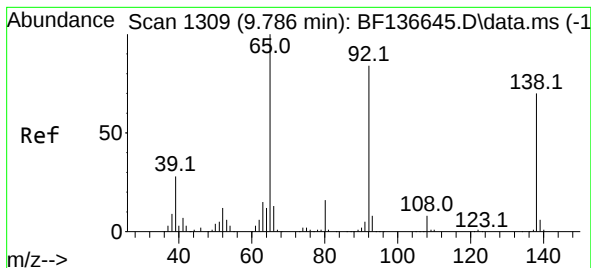
Tgt Ion:165 Resp: 124082  
Ion Ratio Lower Upper  
165 100  
63 60.8 39.8 59.6#  
89 57.4 38.8 58.2



#52  
Acenaphthene  
Concen: 39.441 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:154 Resp: 453495  
Ion Ratio Lower Upper  
154 100  
153 112.1 90.7 136.1  
152 54.4 43.7 65.5





#53

3-Nitroaniline

Concen: 31.656 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

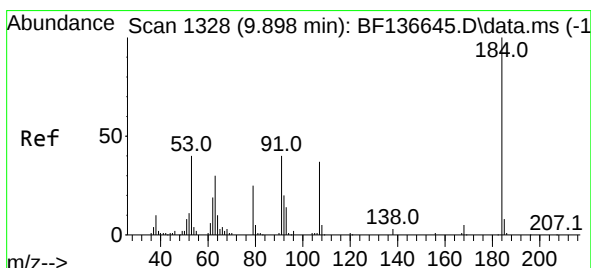
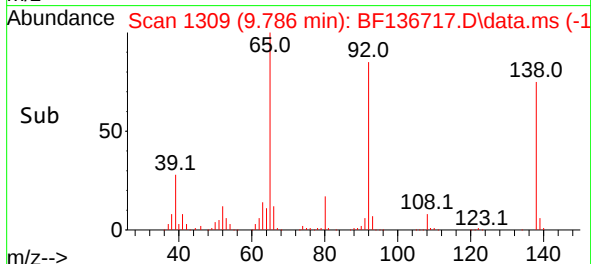
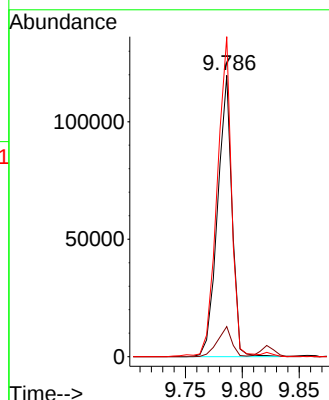
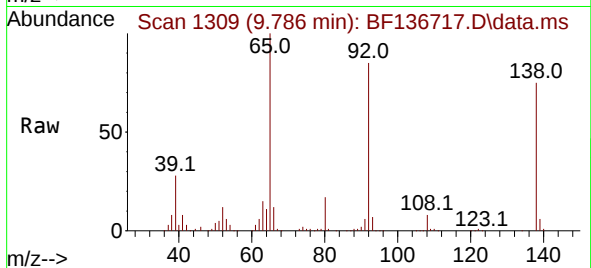
Tgt Ion:138 Resp: 105747

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

92 113.8 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 79.121 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

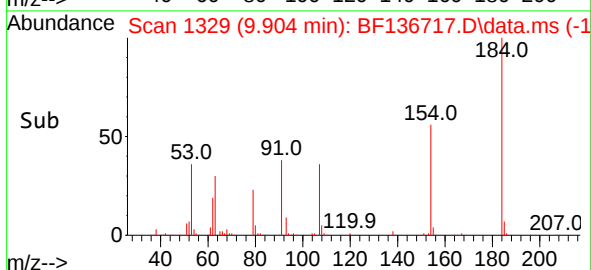
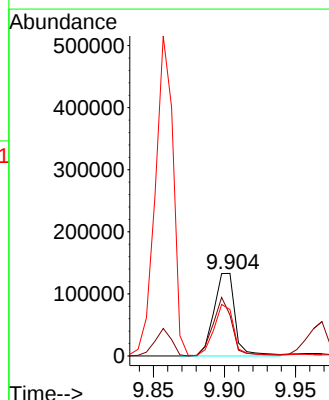
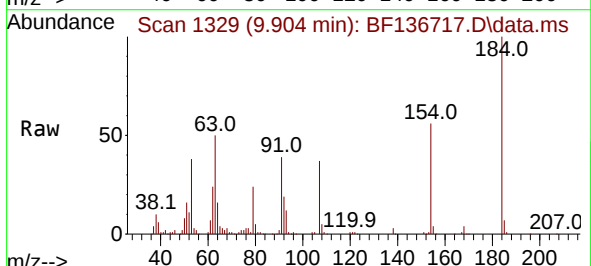
Tgt Ion:184 Resp: 138206

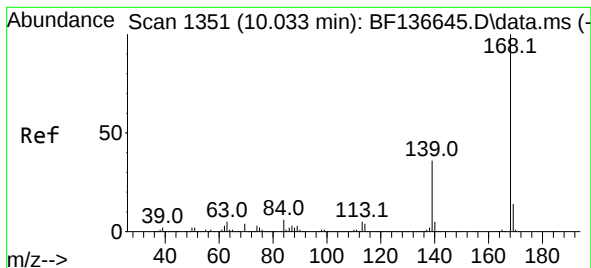
Ion Ratio Lower Upper

184 100

63 49.6 40.9 61.3

154 56.3 42.7 64.1

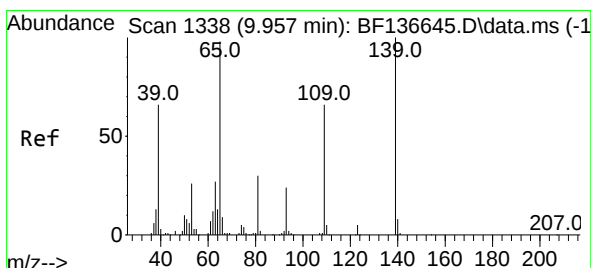
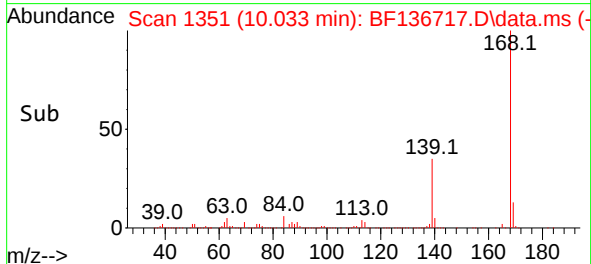
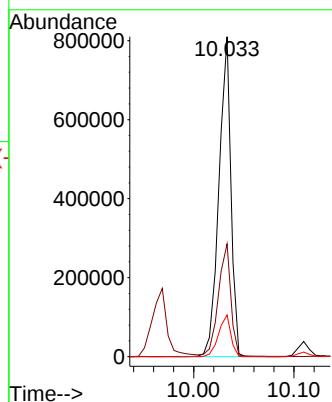
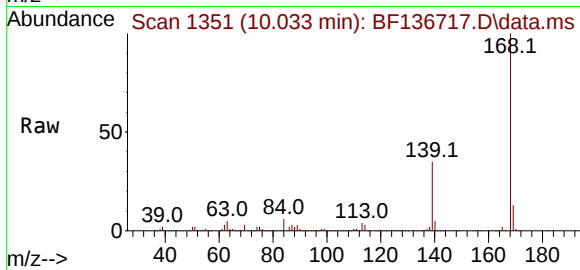




#55  
Dibenzenofuran  
Concen: 38.571 ng  
RT: 10.033 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

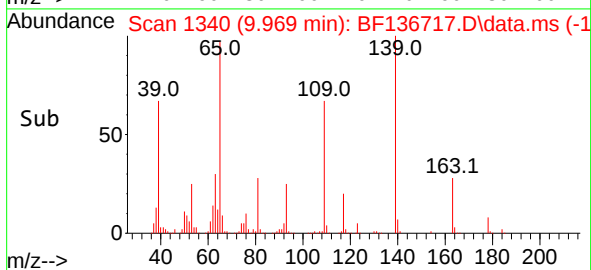
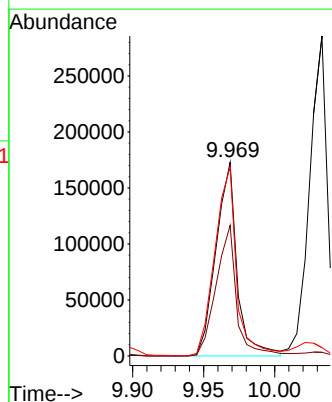
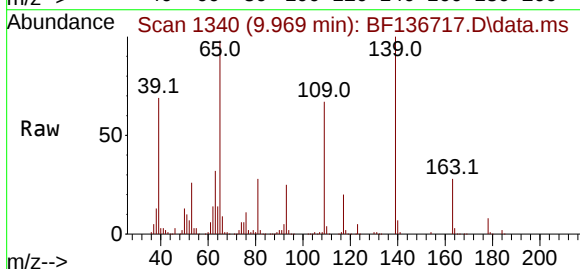
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

Tgt Ion:168 Resp: 672275  
Ion Ratio Lower Upper  
168 100  
139 35.3 29.3 43.9  
169 13.0 11.0 16.4



#56  
4-Nitrophenol  
Concen: 79.220 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.012 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

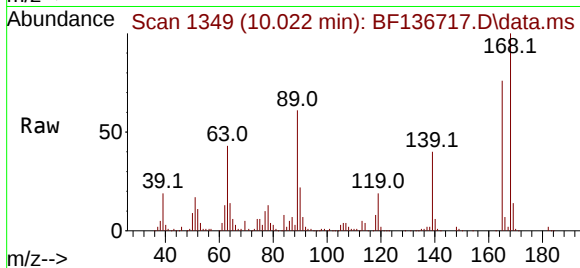
Tgt Ion:139 Resp: 178646  
Ion Ratio Lower Upper  
139 100  
109 67.4 45.8 85.8  
65 97.6 77.8 117.8



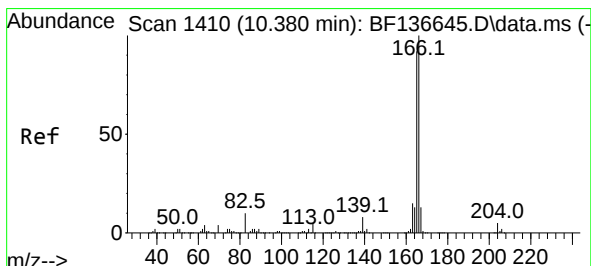
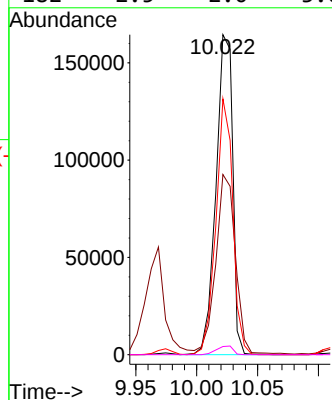
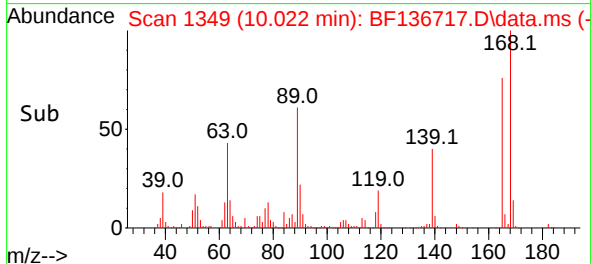


#57  
2,4-Dinitrotoluene  
Concen: 38.356 ng  
RT: 10.022 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

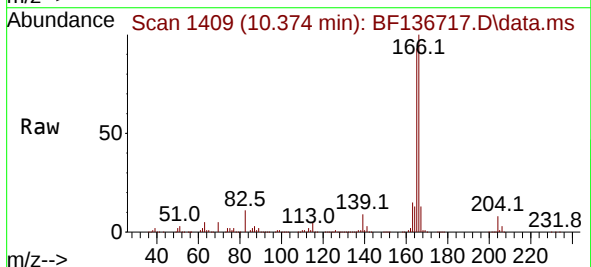
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS



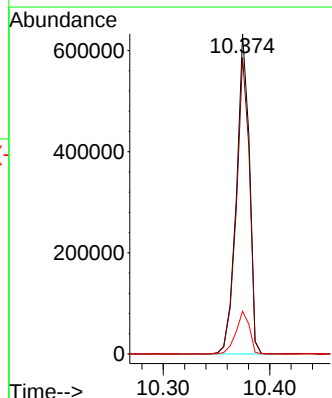
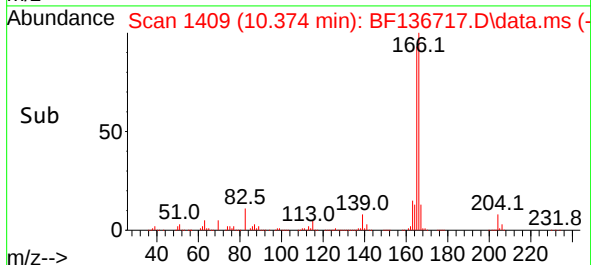
Tgt Ion:165 Resp: 157023  
Ion Ratio Lower Upper  
165 100  
63 56.3 41.0 61.6  
89 80.0 59.9 89.9  
182 2.5 2.0 3.0

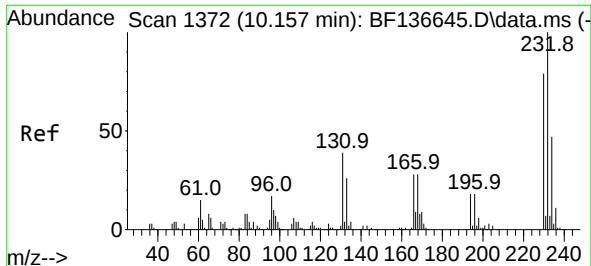


#58  
Fluorene  
Concen: 38.689 ng  
RT: 10.374 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54



Tgt Ion:166 Resp: 535056  
Ion Ratio Lower Upper  
166 100  
165 92.6 73.7 110.5  
167 13.4 10.4 15.6

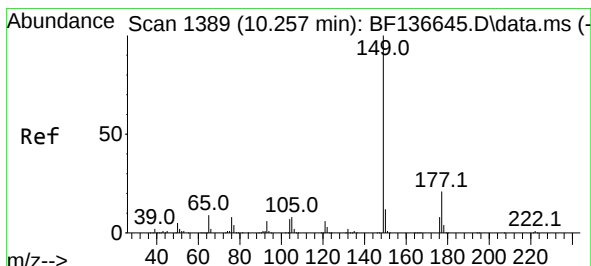
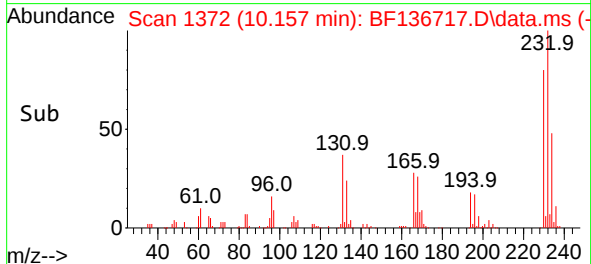
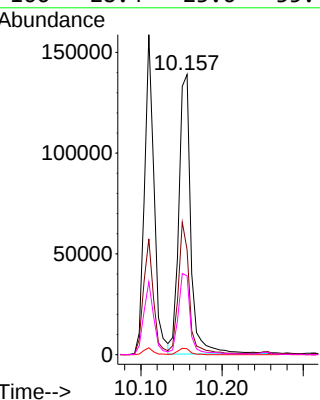
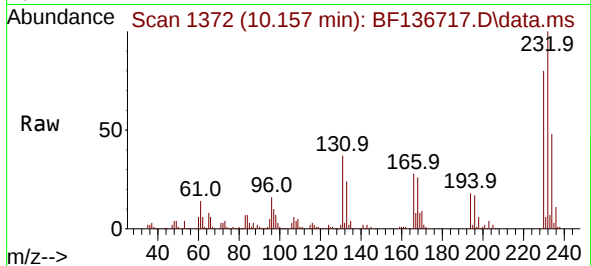




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.987 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

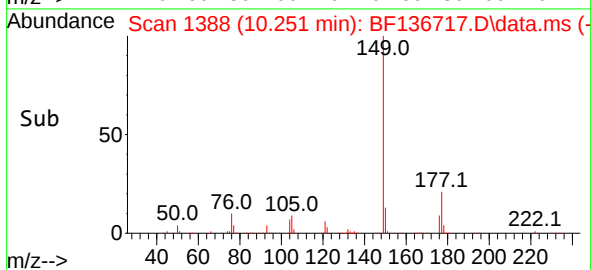
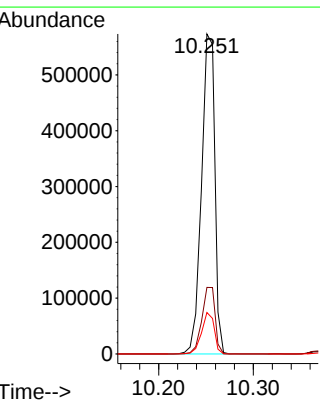
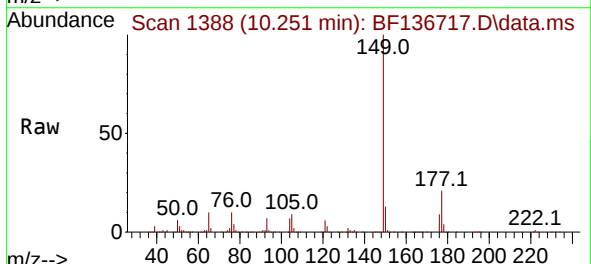
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

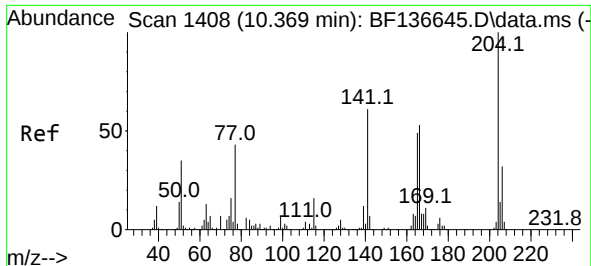
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 142564    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 42.8  | 35.1 52.7 |
| 130         | 2.3   | 1.6 2.4   |
| 166         | 28.4  | 23.6 35.4 |



#60  
Diethylphthalate  
Concen: 38.876 ng  
RT: 10.251 min Scan# 1388  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 560475    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 20.8  | 16.9 25.3 |
| 150         | 13.0  | 9.3 13.9  |

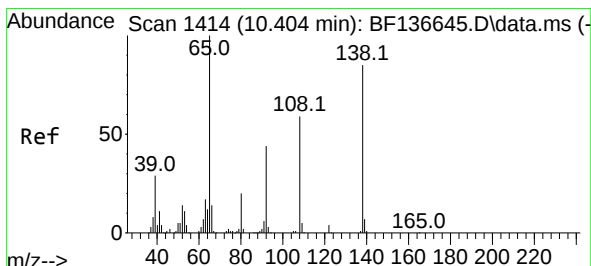
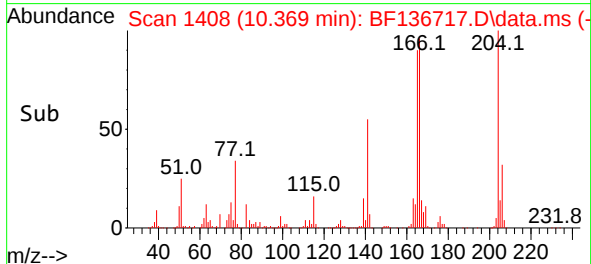
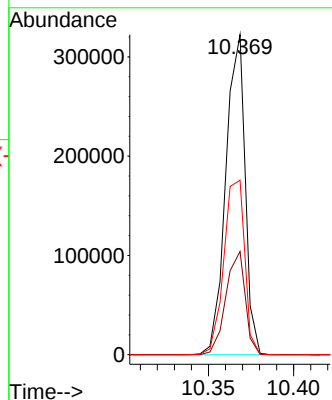
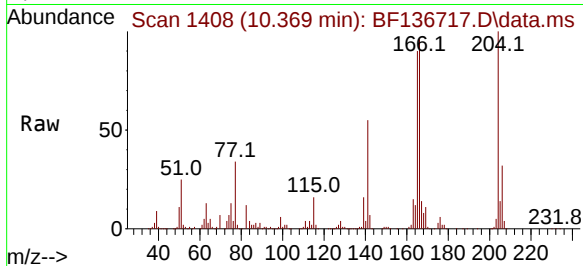




#61  
4-Chlorophenyl-phenylether  
Concen: 37.912 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

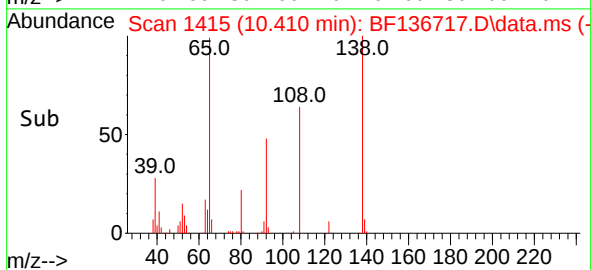
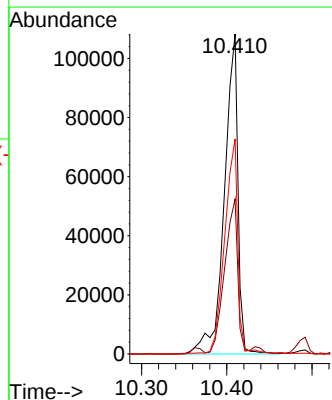
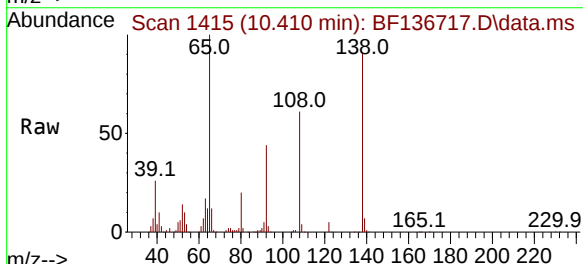
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

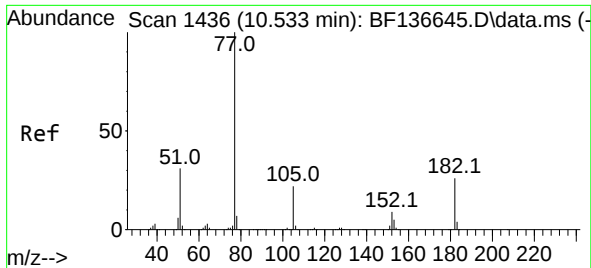
Tgt Ion:204 Resp: 254851  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.6 38.4  
141 54.6 48.4 72.6



#62  
4-Nitroaniline  
Concen: 37.251 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:138 Resp: 119960  
Ion Ratio Lower Upper  
138 100  
92 48.4 32.1 72.1  
108 67.2 50.1 90.1

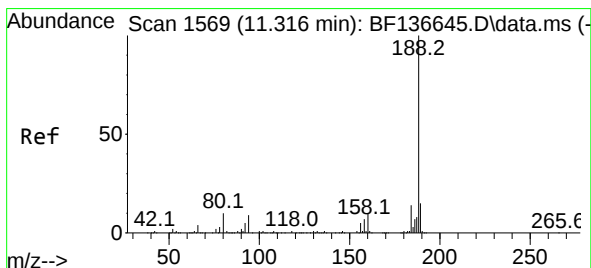
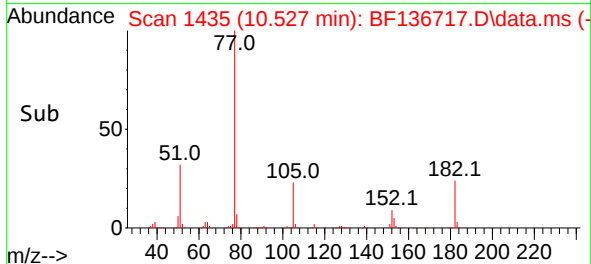
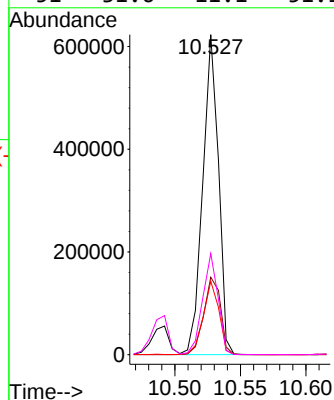
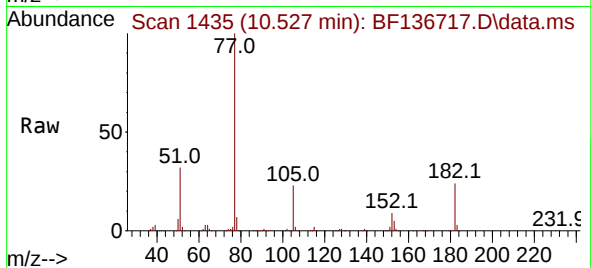




#63  
Azobenzene  
Concen: 38.619 ng  
RT: 10.527 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

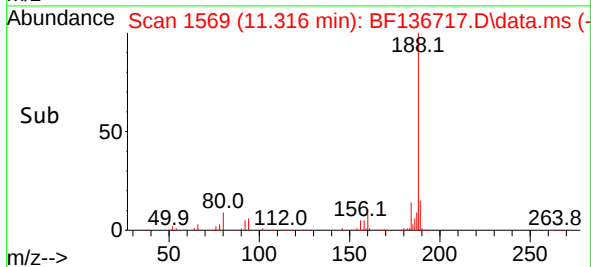
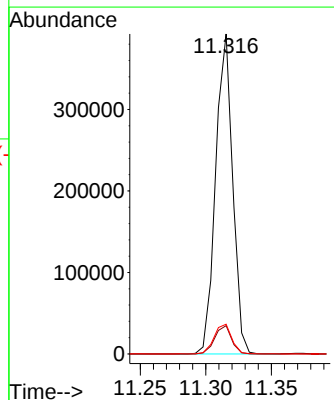
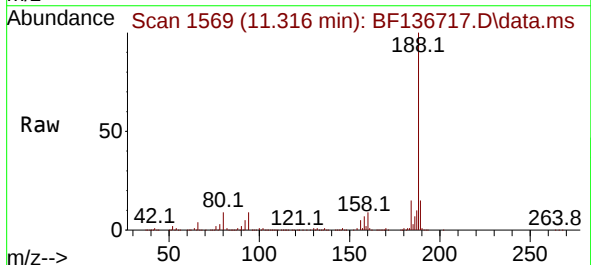
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

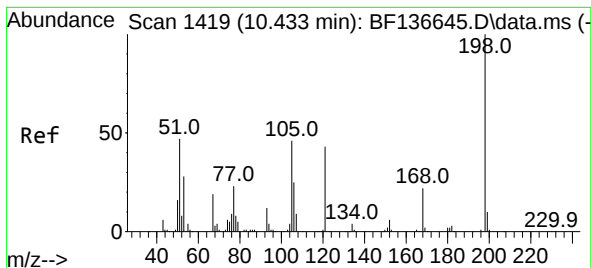
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 520014 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 24.2    | 6.0 46.0     |
| 105 23.0    | 2.3 42.3     |
| 51 31.6     | 11.1 51.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 354277 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 8.9      | 7.5 11.3     |
| 80 9.3      | 8.1 12.1     |

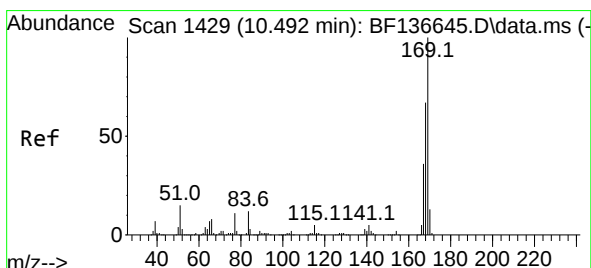
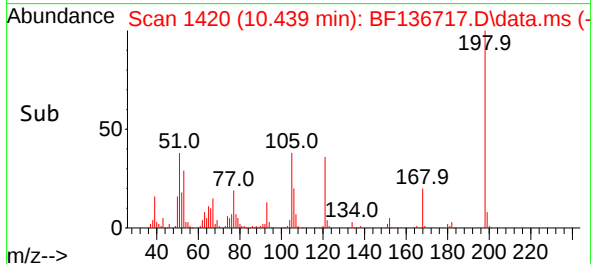
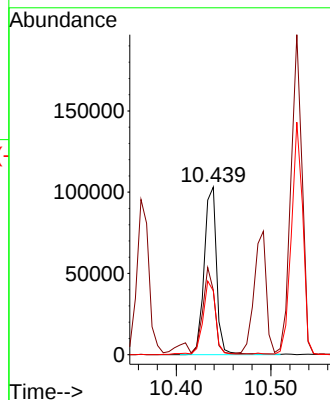
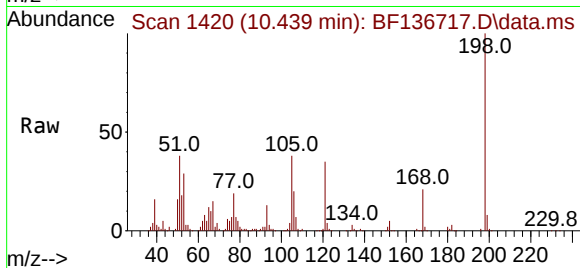




#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.493 ng  
RT: 10.439 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

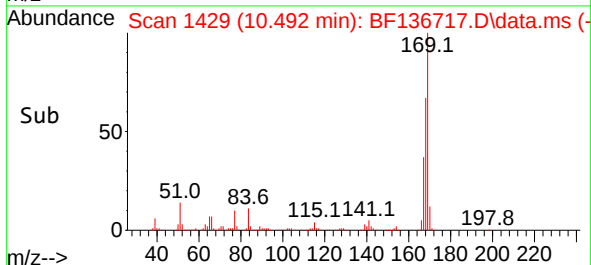
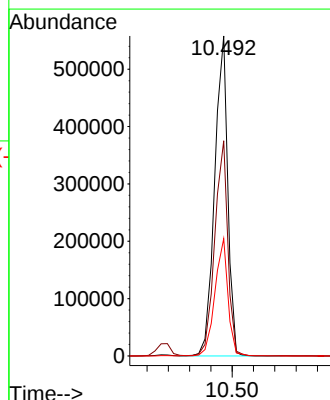
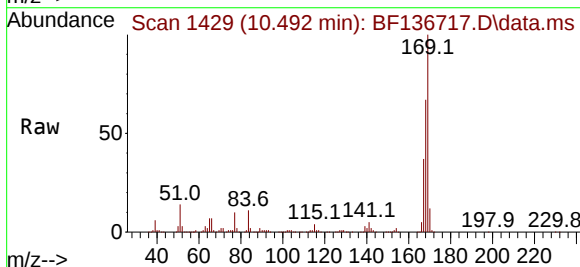
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

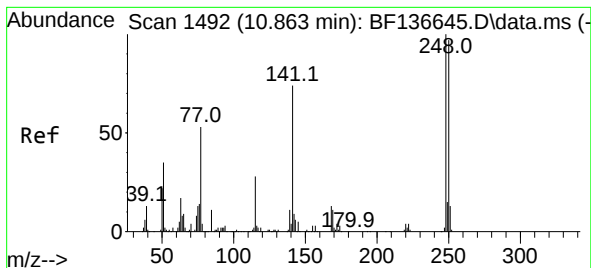
Tgt Ion:198 Resp: 94398  
Ion Ratio Lower Upper  
198 100  
51 38.5 34.1 74.1  
105 38.0 27.3 67.3



#66  
n-Nitrosodiphenylamine  
Concen: 41.483 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. -0.000 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:169 Resp: 477404  
Ion Ratio Lower Upper  
169 100  
168 67.3 53.8 80.6  
167 36.6 28.7 43.1

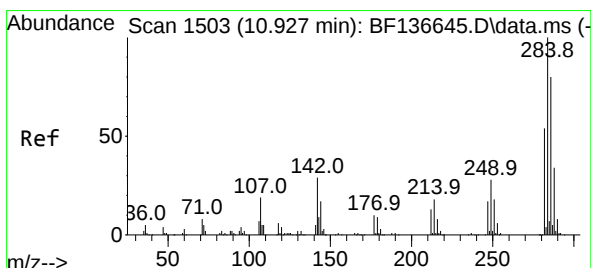
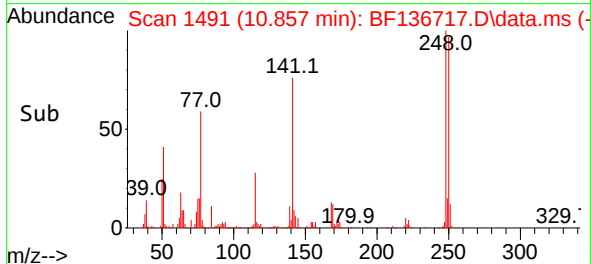
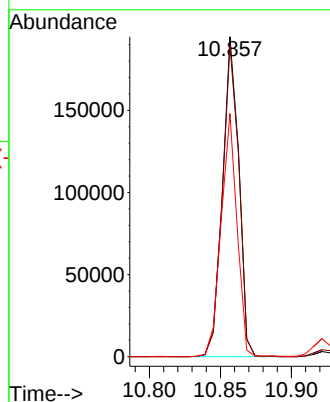
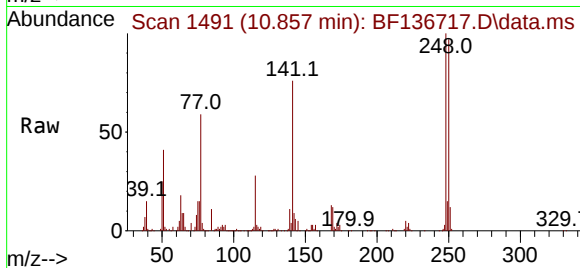




#67  
4-Bromophenyl-phenylether  
Concen: 39.553 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

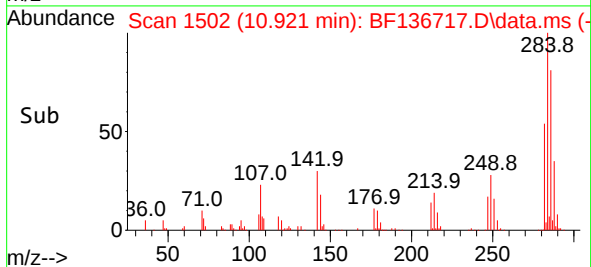
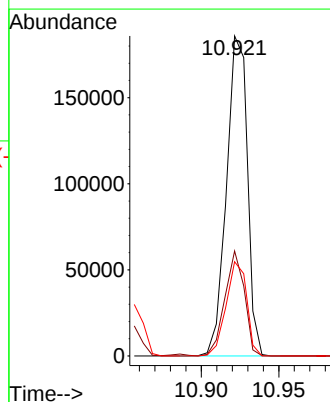
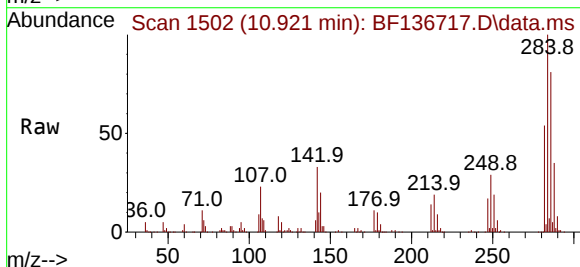
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

Tgt Ion:248 Resp: 155623  
Ion Ratio Lower Upper  
248 100  
250 97.3 77.8 116.6  
141 76.0 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 39.748 ng  
RT: 10.921 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:284 Resp: 174282  
Ion Ratio Lower Upper  
284 100  
142 32.8 23.4 35.0  
249 29.4 22.3 33.5





#69

Atrazine

Concen: 60.006 ng

RT: 11.027 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

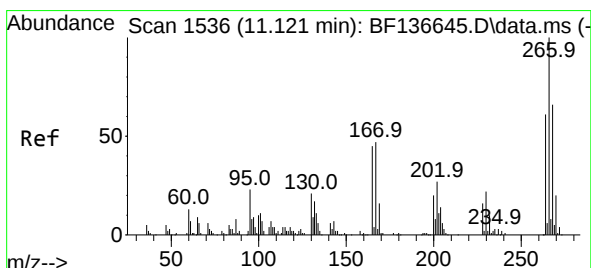
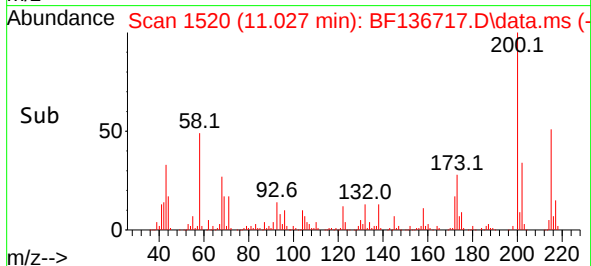
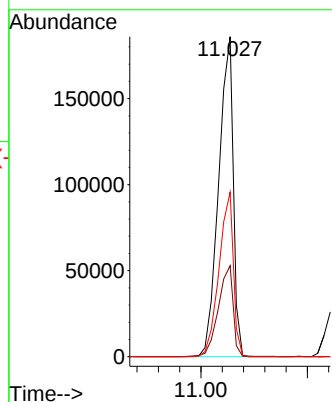
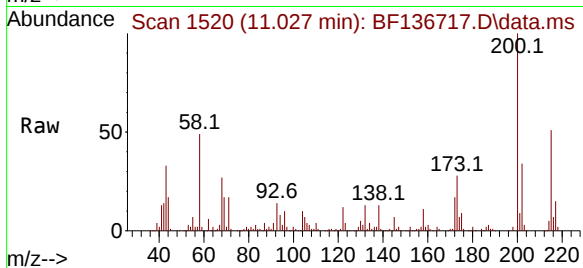
Tgt Ion:200 Resp: 176630

Ion Ratio Lower Upper

200 100

173 28.4 7.6 47.6

215 51.4 28.3 68.3



#70

Pentachlorophenol

Concen: 79.809 ng

RT: 11.127 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

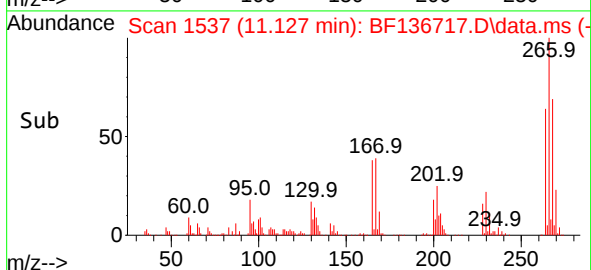
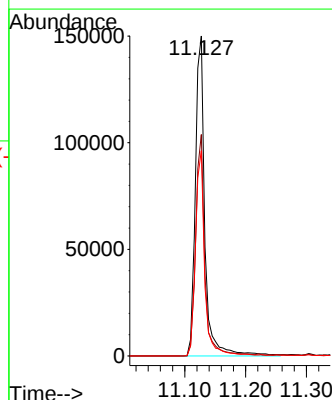
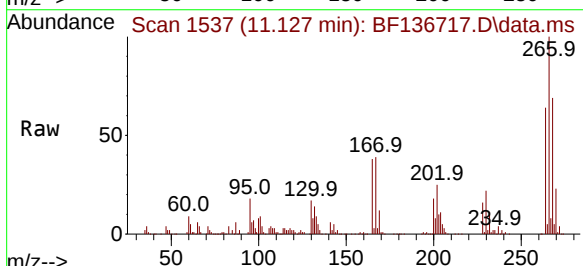
Tgt Ion:266 Resp: 163109

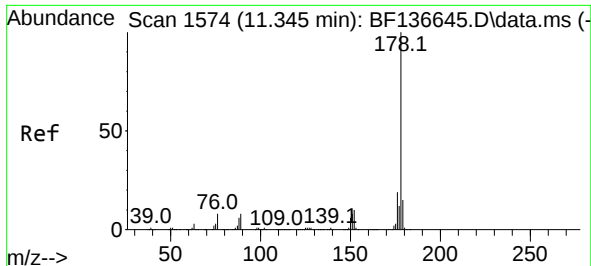
Ion Ratio Lower Upper

266 100

268 69.2 52.6 78.8

264 64.1 49.0 73.4

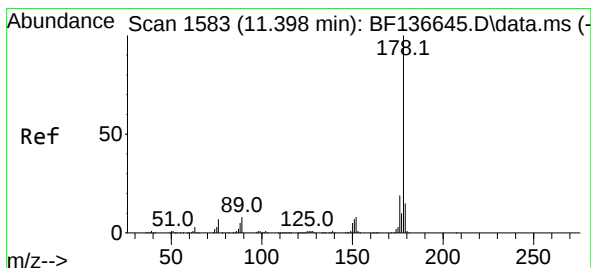
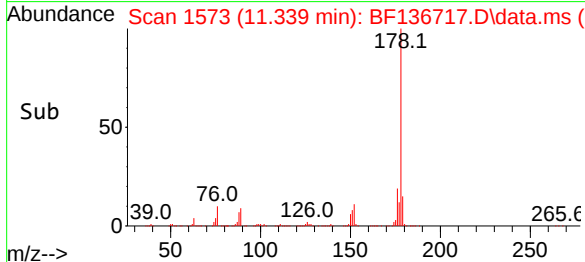
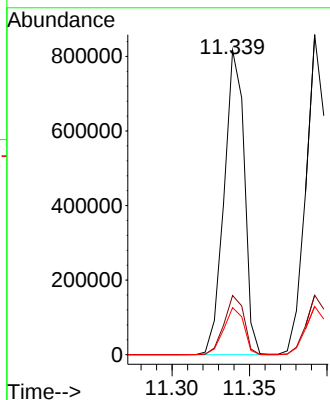
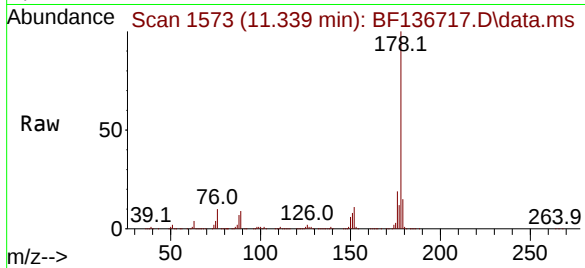




#71  
Phenanthrene  
Concen: 40.721 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

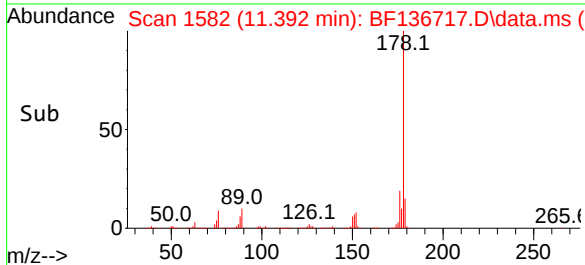
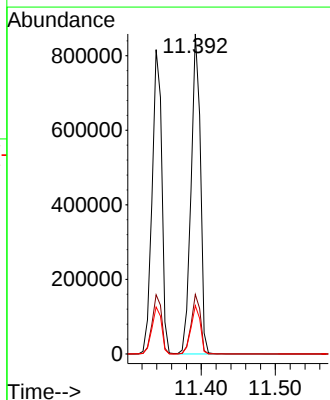
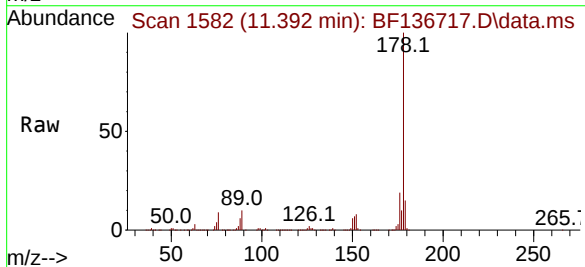
Instrument :  
BNA\_F  
ClientSampleId :  
PB157810BS

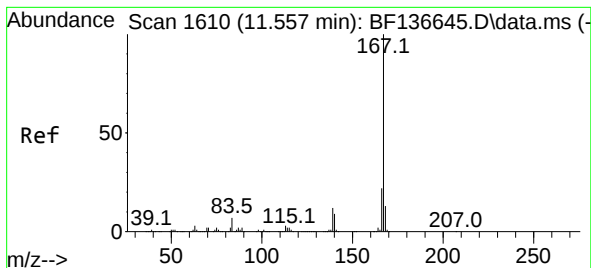
Tgt Ion:178 Resp: 740243  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.4 11.9 17.9



#72  
Anthracene  
Concen: 40.845 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF136717.D  
Acq: 26 Dec 2023 13:54

Tgt Ion:178 Resp: 751947  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.9 22.3  
179 15.1 11.8 17.6





#73

Carbazole

Concen: 39.249 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

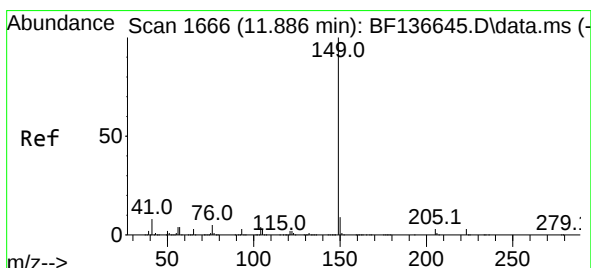
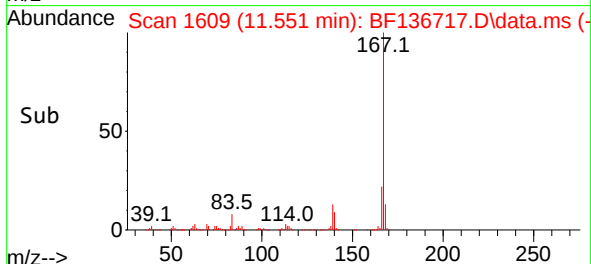
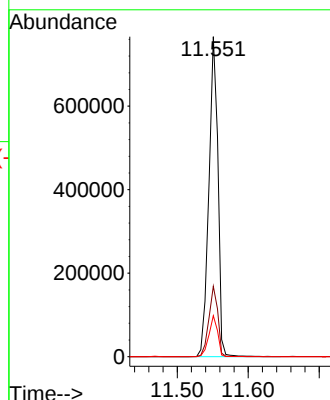
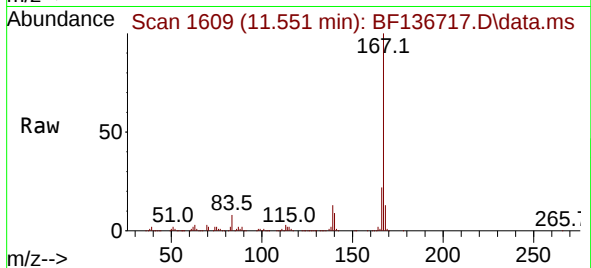
Tgt Ion:167 Resp: 681247

Ion Ratio Lower Upper

167 100

166 22.0 17.3 25.9

139 12.8 9.8 14.6



#74

Di-n-butylphthalate

Concen: 39.108 ng

RT: 11.880 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

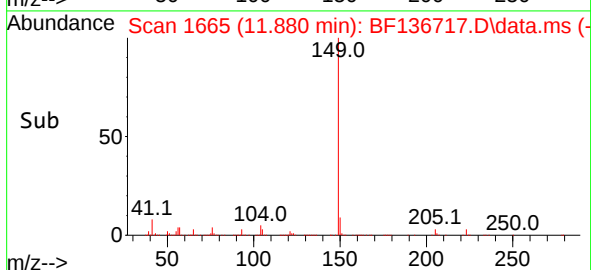
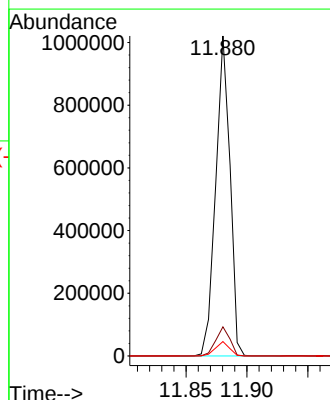
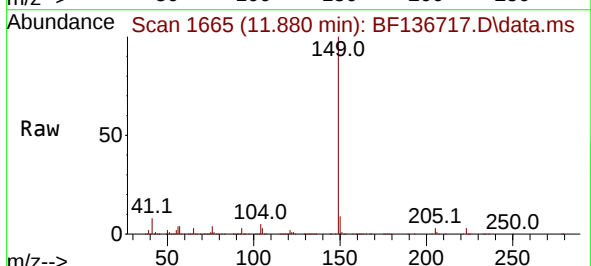
Tgt Ion:149 Resp: 828299

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.5 3.6 5.4





#75

Fluoranthene

Concen: 37.889 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

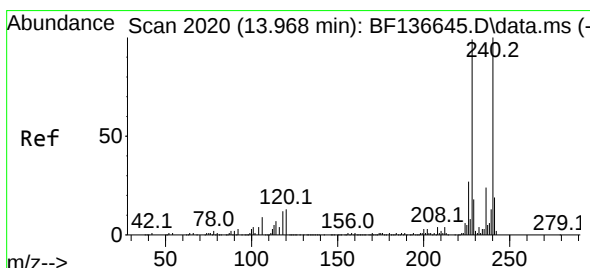
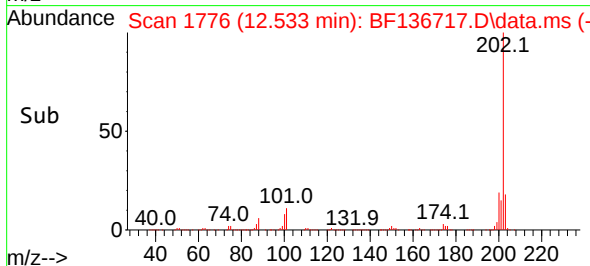
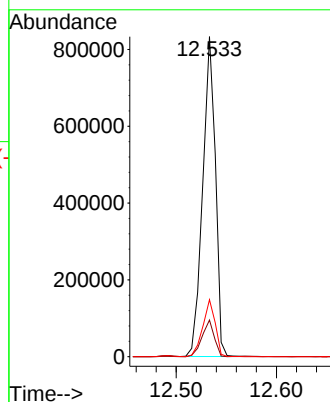
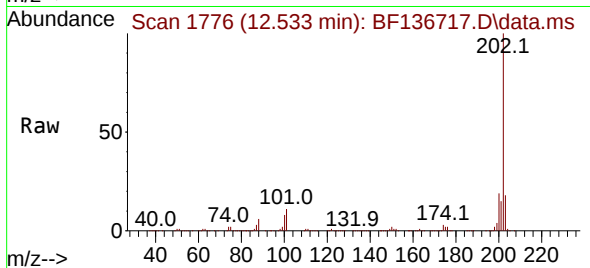
Tgt Ion:202 Resp: 736733

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.3

203 17.8 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

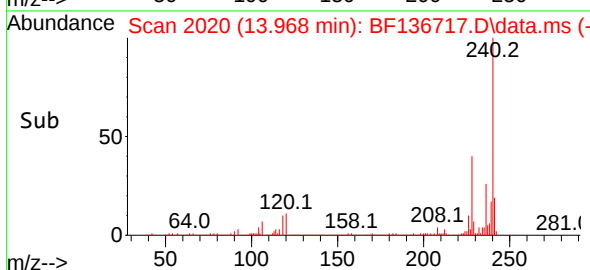
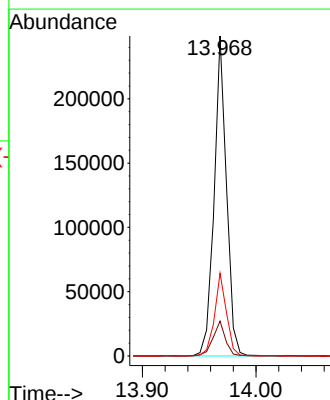
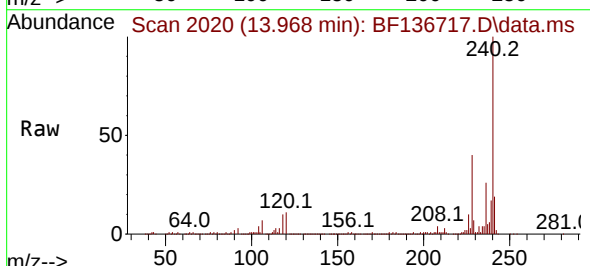
Tgt Ion:240 Resp: 187870

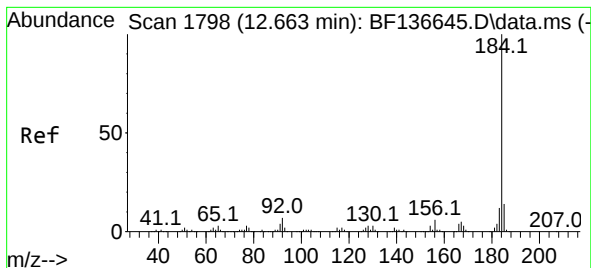
Ion Ratio Lower Upper

240 100

120 10.9 10.3 15.5

236 25.9 19.4 29.2





#77

Benzidine

Concen: 11.590 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

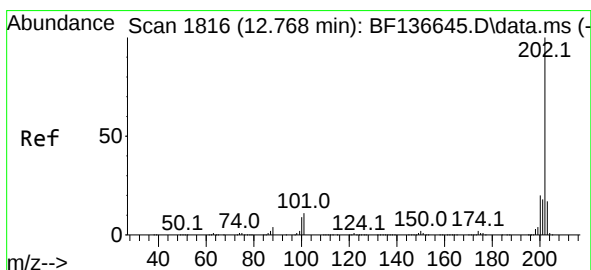
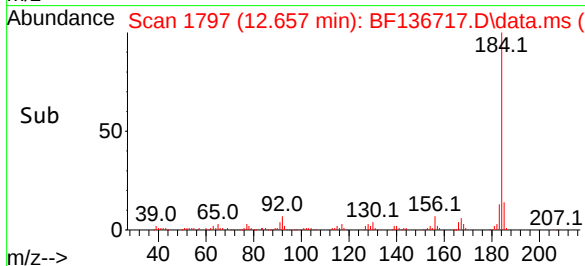
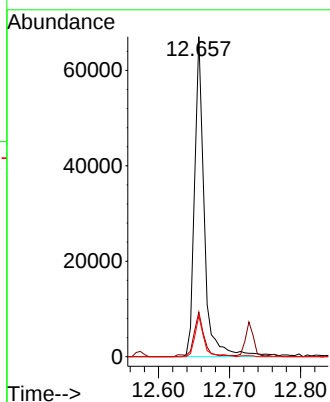
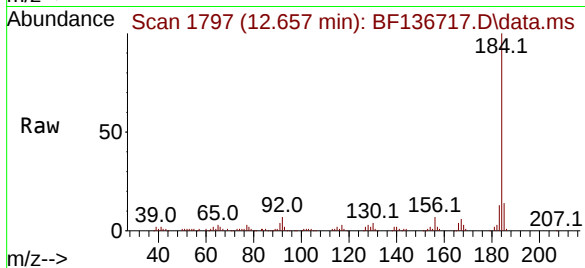
Tgt Ion:184 Resp: 64204

Ion Ratio Lower Upper

184 100

185 14.0 11.2 16.8

183 12.8 9.3 13.9



#78

Pyrene

Concen: 40.230 ng

RT: 12.762 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

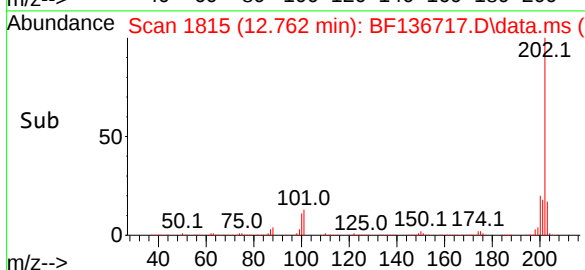
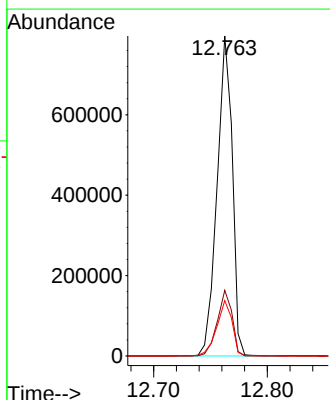
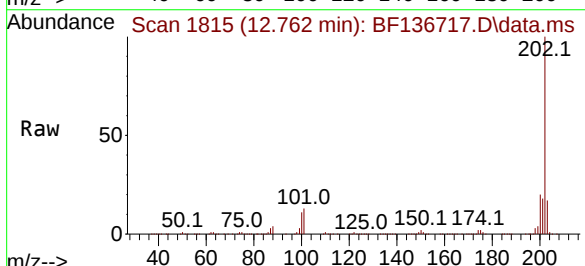
Tgt Ion:202 Resp: 741951

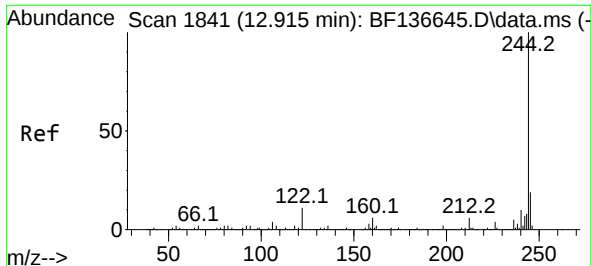
Ion Ratio Lower Upper

202 100

200 20.5 15.9 23.9

203 17.3 13.8 20.6

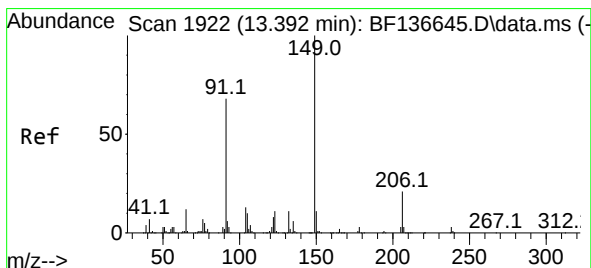
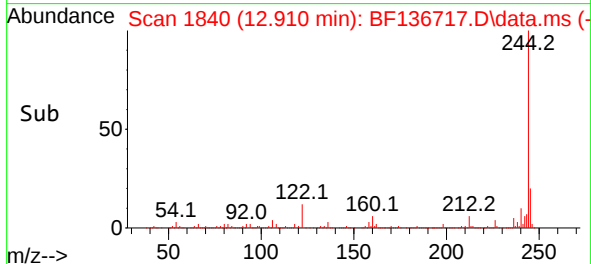
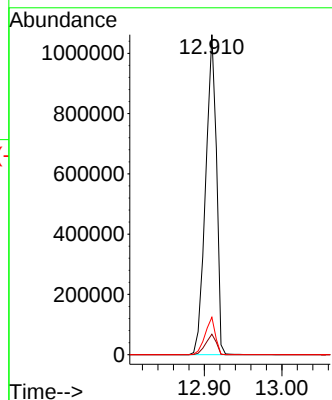
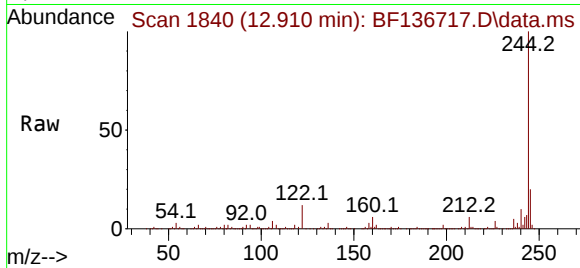




#79  
 Terphenyl-d14  
 Concen: 76.432 ng  
 RT: 12.910 min Scan# 1840  
 Delta R.T. -0.006 min  
 Lab File: BF136717.D  
 Acq: 26 Dec 2023 13:54

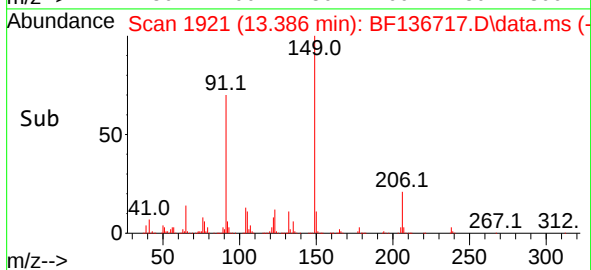
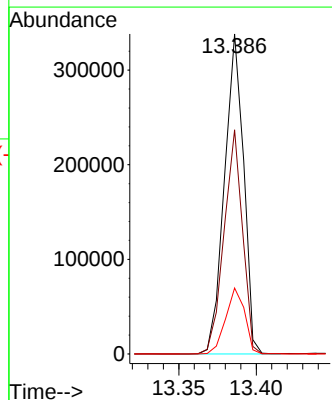
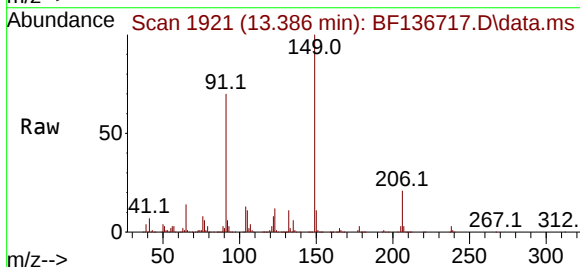
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157810BS

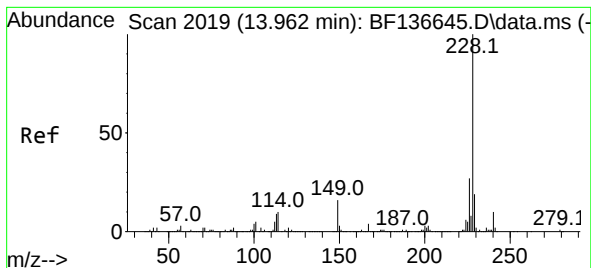
Tgt Ion:244 Resp: 1027517  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.0 7.4  
 122 11.7 9.0 13.4



#80  
 Butylbenzylphthalate  
 Concen: 43.258 ng  
 RT: 13.386 min Scan# 1921  
 Delta R.T. -0.006 min  
 Lab File: BF136717.D  
 Acq: 26 Dec 2023 13:54

Tgt Ion:149 Resp: 290291  
 Ion Ratio Lower Upper  
 149 100  
 91 70.0 54.1 81.1  
 206 20.6 17.1 25.7





#81

Benzo(a)anthracene

Concen: 41.409 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

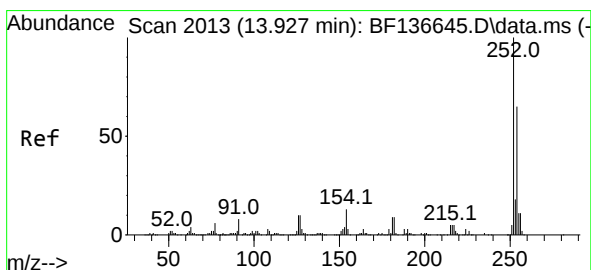
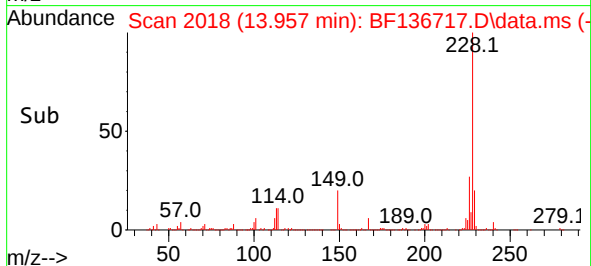
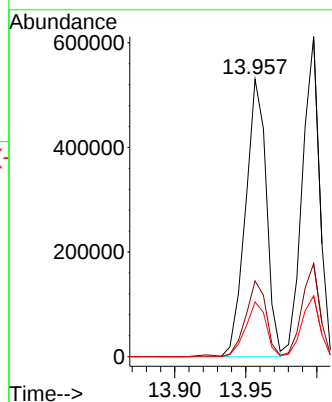
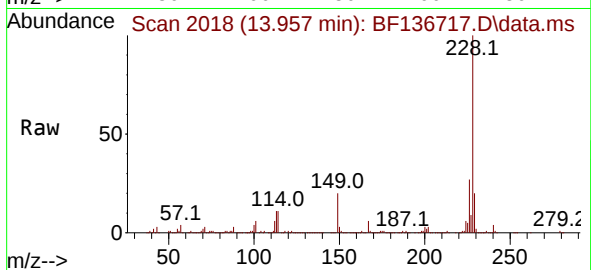
Tgt Ion:228 Resp: 540199

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.0

229 19.7 14.9 22.3



#82

3,3'-Dichlorobenzidine

Concen: 43.991 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

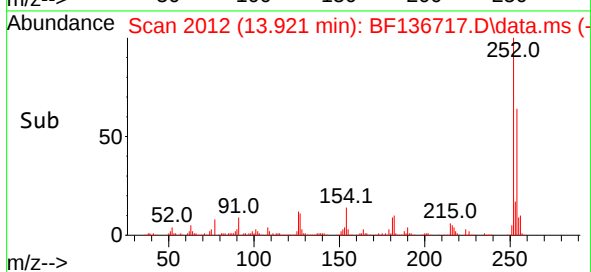
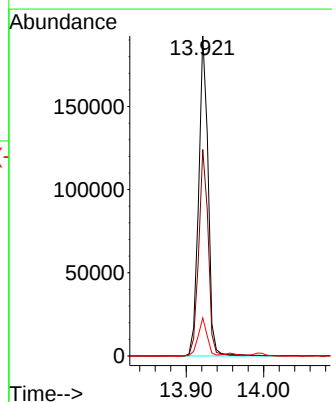
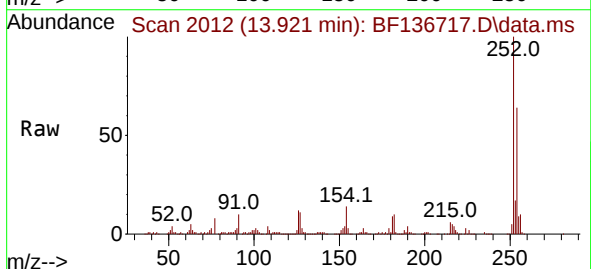
Tgt Ion:252 Resp: 162980

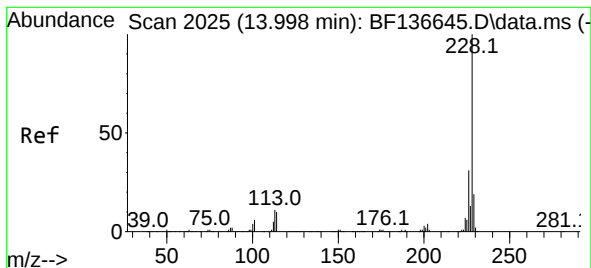
Ion Ratio Lower Upper

252 100

254 64.5 52.2 78.4

126 11.9 8.0 12.0





#83

Chrysene

Concen: 40.466 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

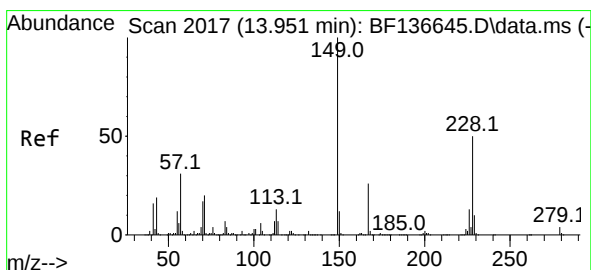
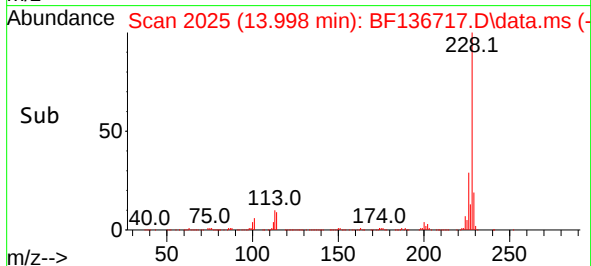
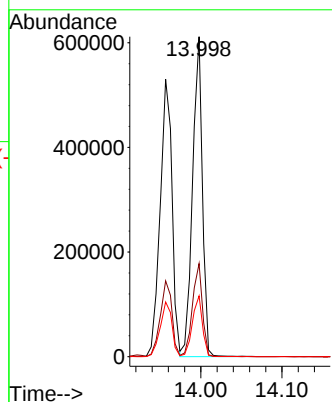
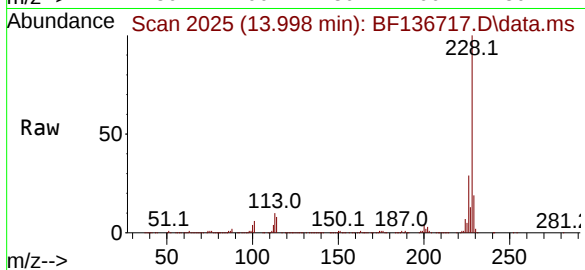
Tgt Ion:228 Resp: 516224

Ion Ratio Lower Upper

228 100

226 29.1 24.7 37.1

229 19.0 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.315 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

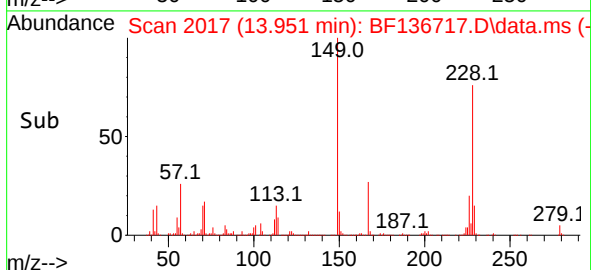
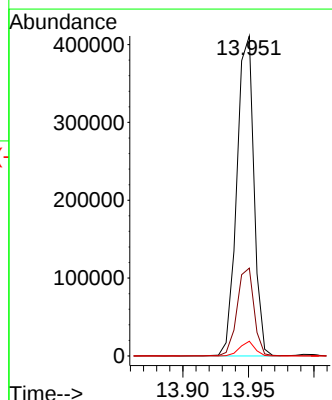
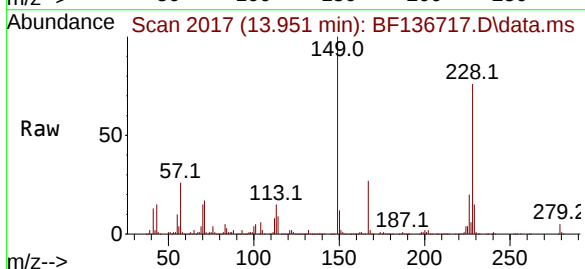
Tgt Ion:149 Resp: 374168

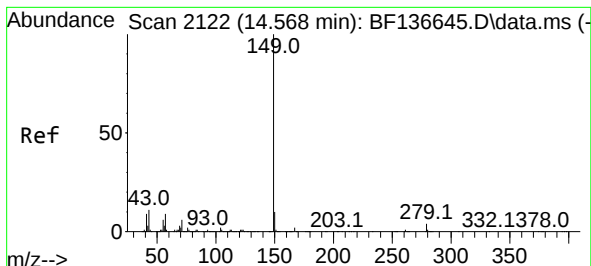
Ion Ratio Lower Upper

149 100

167 27.4 20.9 31.3

279 4.6 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 46.841 ng

RT: 14.562 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

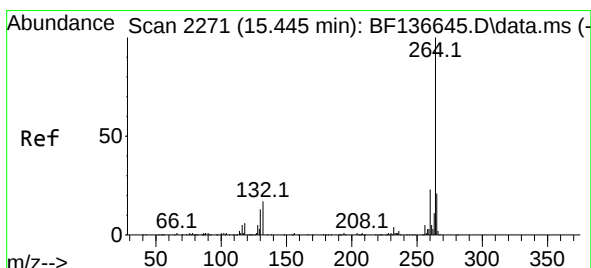
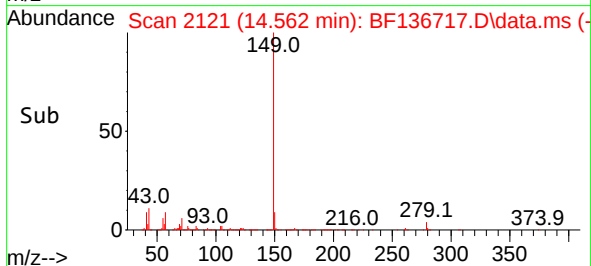
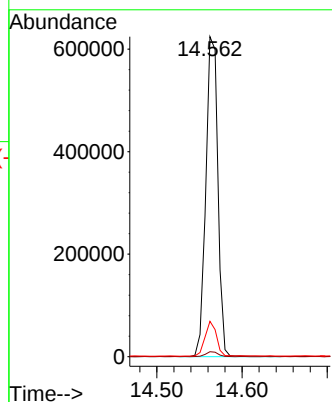
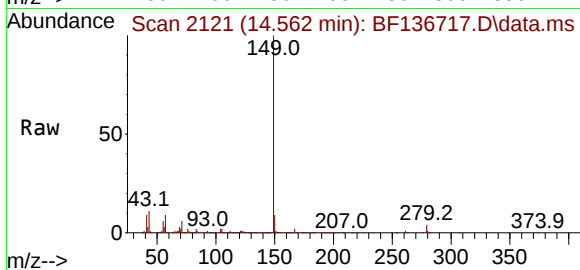
Tgt Ion:149 Resp: 611772

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.3 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

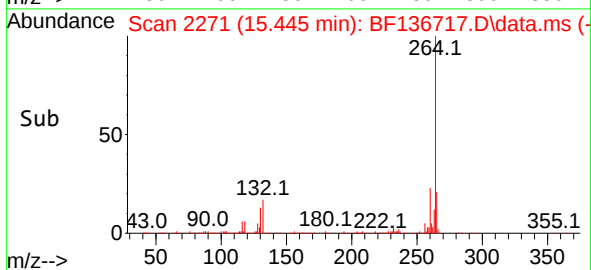
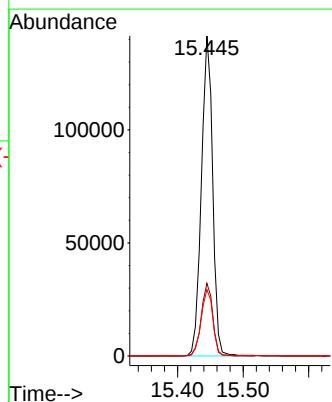
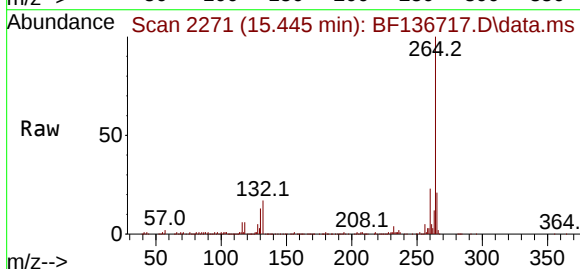
Tgt Ion:264 Resp: 169492

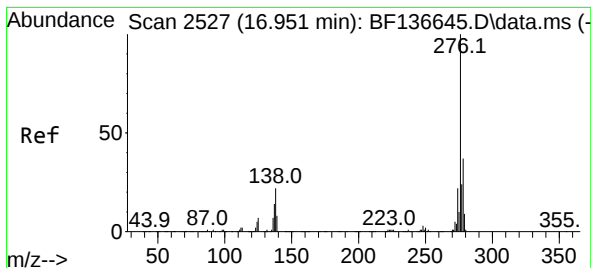
Ion Ratio Lower Upper

264 100

260 22.7 18.3 27.5

265 20.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.204 ng

RT: 16.956 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

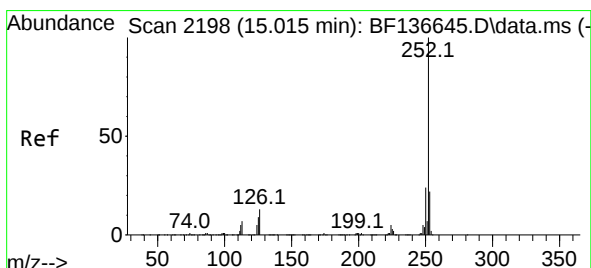
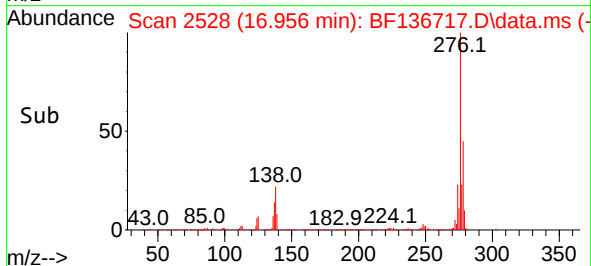
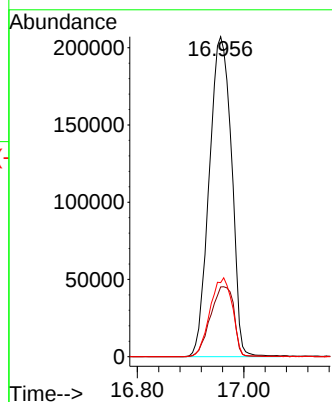
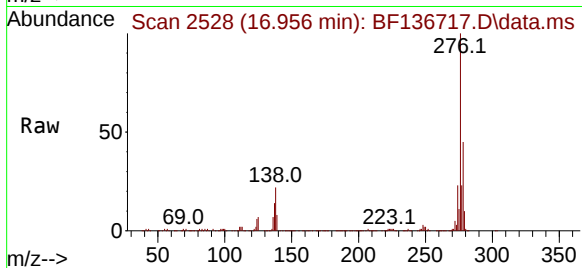
Tgt Ion:276 Resp: 602132

Ion Ratio Lower Upper

276 100

138 23.0 18.7 28.1

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 43.181 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

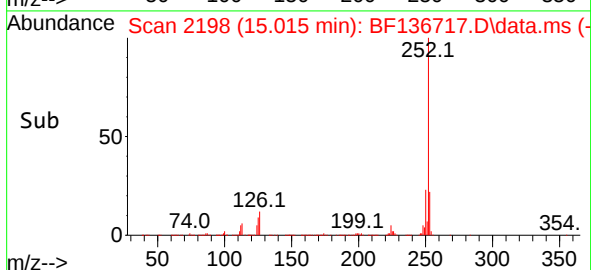
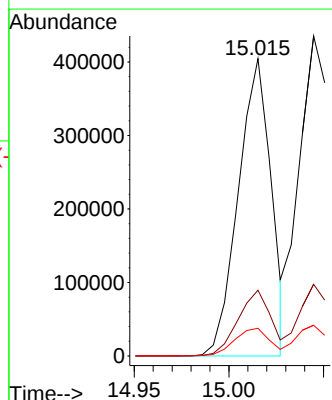
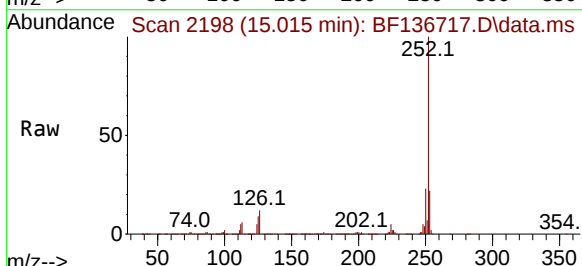
Tgt Ion:252 Resp: 488826

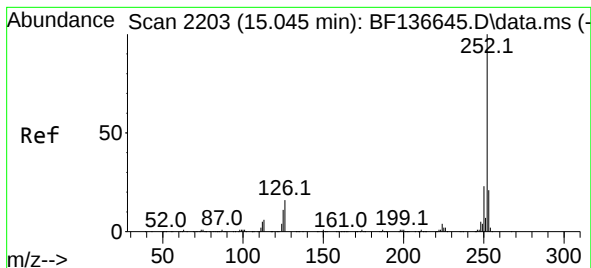
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.3 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 45.017 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

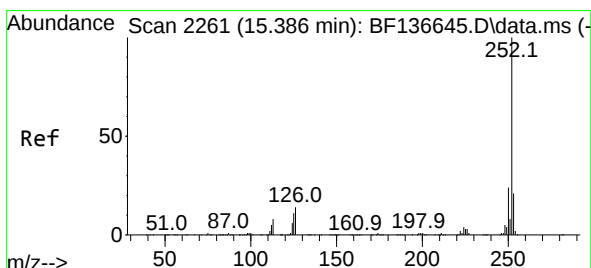
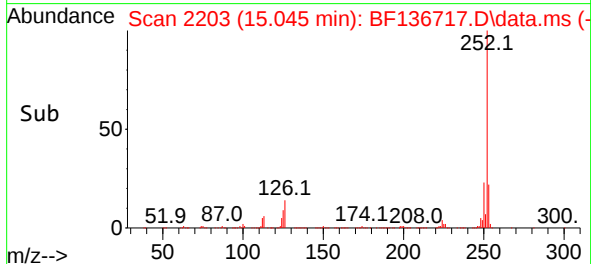
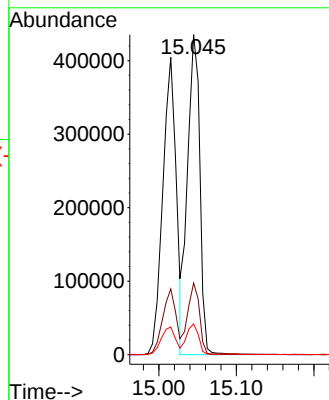
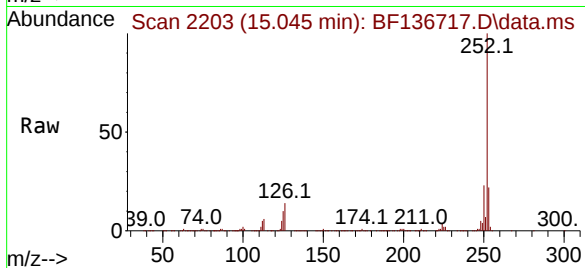
Tgt Ion:252 Resp: 481537

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 9.6 8.2 12.4



#90

Benzo(a)pyrene

Concen: 44.724 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.000 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

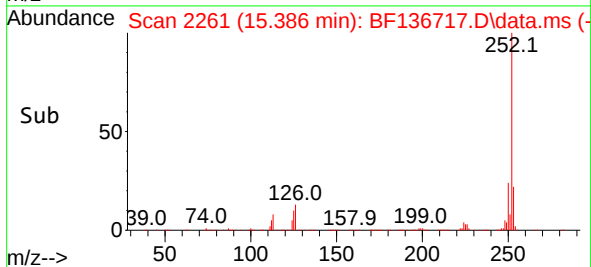
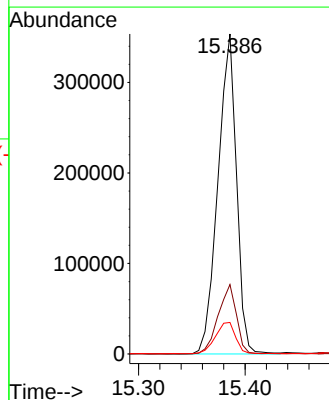
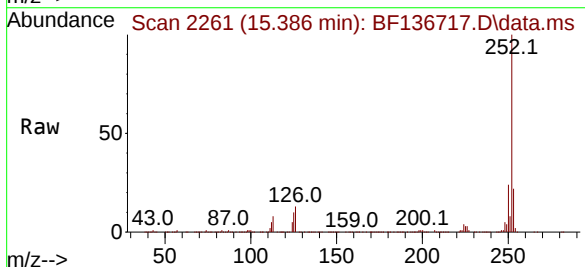
Tgt Ion:252 Resp: 427370

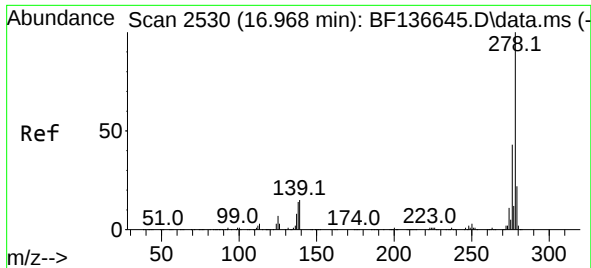
Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

125 9.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 50.272 ng

RT: 16.974 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Instrument :

BNA\_F

ClientSampleId :

PB157810BS

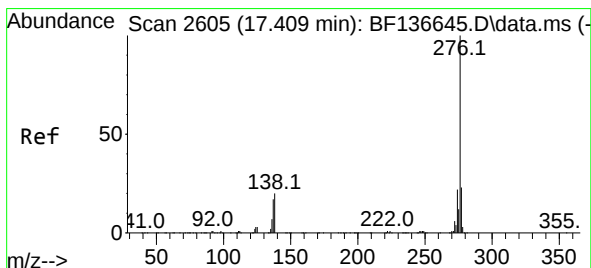
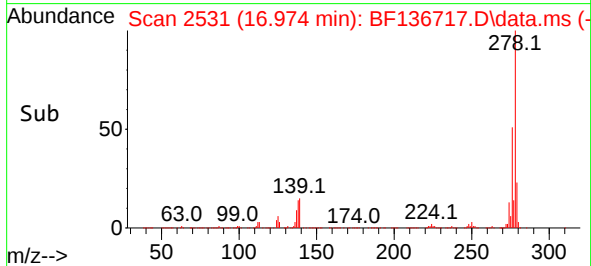
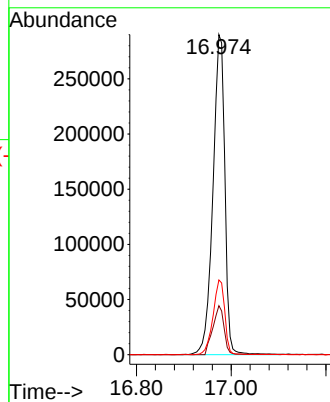
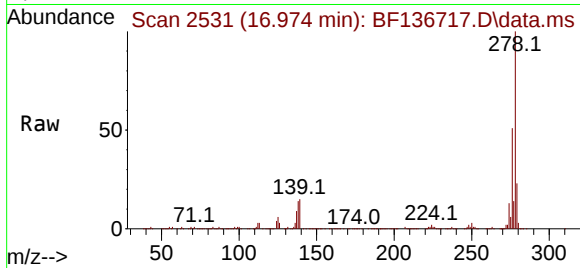
Tgt Ion:278 Resp: 504711

Ion Ratio Lower Upper

278 100

139 15.3 12.2 18.4

279 23.4 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 49.929 ng

RT: 17.415 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF136717.D

Acq: 26 Dec 2023 13:54

Tgt Ion:276 Resp: 513406

Ion Ratio Lower Upper

276 100

277 23.6 18.3 27.5

138 20.5 15.6 23.4

