

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120623\  
 Data File : BF136421.D  
 Acq On : 06 Dec 2023 11:09  
 Operator : CG\JU  
 Sample : PB157498BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 06 11:35:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 122974   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 524583   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 278006   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.328 | 188  | 533458   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 325426   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 237651   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1077170  | 129.360 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.446  | 99   | 1345007  | 129.463 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 822679   | 84.780  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 455764   | 132.960 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 1679963  | 82.455  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.922 | 244  | 2085555  | 84.469  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 131236   | 39.847  | ng    | 98       |
| 3) Pyridine                   | 3.428  | 79   | 291888   | 36.596  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.399  | 42   | 157771   | 45.530  | ng    | 98       |
| 6) Aniline                    | 6.469  | 93   | 401940   | 38.282  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.587  | 128  | 422152   | 46.439  | ng    | 97       |
| 9) Benzaldehyde               | 6.357  | 77   | 121283   | 20.419  | ng    | 93       |
| 10) Phenol                    | 6.457  | 94   | 501838   | 45.395  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.546  | 93   | 384581   | 46.671  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.745  | 146  | 438283   | 42.871  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.822  | 146  | 446797   | 43.083  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 424778   | 43.558  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 317214   | 45.597  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 481342   | 45.418  | ng    | 98       |
| 17) 2-Methylphenol            | 7.057  | 107  | 329856   | 44.914  | ng    | 97       |
| 18) Hexachloroethane          | 7.310  | 117  | 157658   | 43.544  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 275169   | 45.915  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 415570   | 45.588  | ng    | 98       |
| 22) Acetophenone              | 7.216  | 105  | 581892   | 44.920  | ng    | 98       |
| 24) Nitrobenzene              | 7.387  | 77   | 407752   | 41.771  | ng    | 99       |
| 25) Isophorone                | 7.622  | 82   | 762127   | 43.716  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.698  | 139  | 220210   | 45.887  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.740  | 122  | 366063   | 61.862  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.834  | 93   | 464205   | 43.333  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.940  | 162  | 352692   | 45.155  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.022  | 180  | 390333   | 42.857  | ng    | 98       |
| 31) Naphthalene               | 8.104  | 128  | 1242051  | 42.935  | ng    | 100      |
| 32) Benzoic acid              | 7.881  | 122  | 270831   | 46.137  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.151  | 127  | 372034   | 36.073  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 220914   | 40.928  | ng    | 100      |
| 35) Caprolactam               | 8.534  | 113  | 62792    | 26.105  | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.640  | 107  | 378433   | 45.631  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 796400   | 43.273  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.892  | 142  | 743100   | 41.147  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.963  | 216  | 381707   | 44.132  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.945  | 237  | 412188   | 128.636 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.075  | 196  | 248453   | 44.117  | ng    | 99       |

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 Response via : Initial Calibration

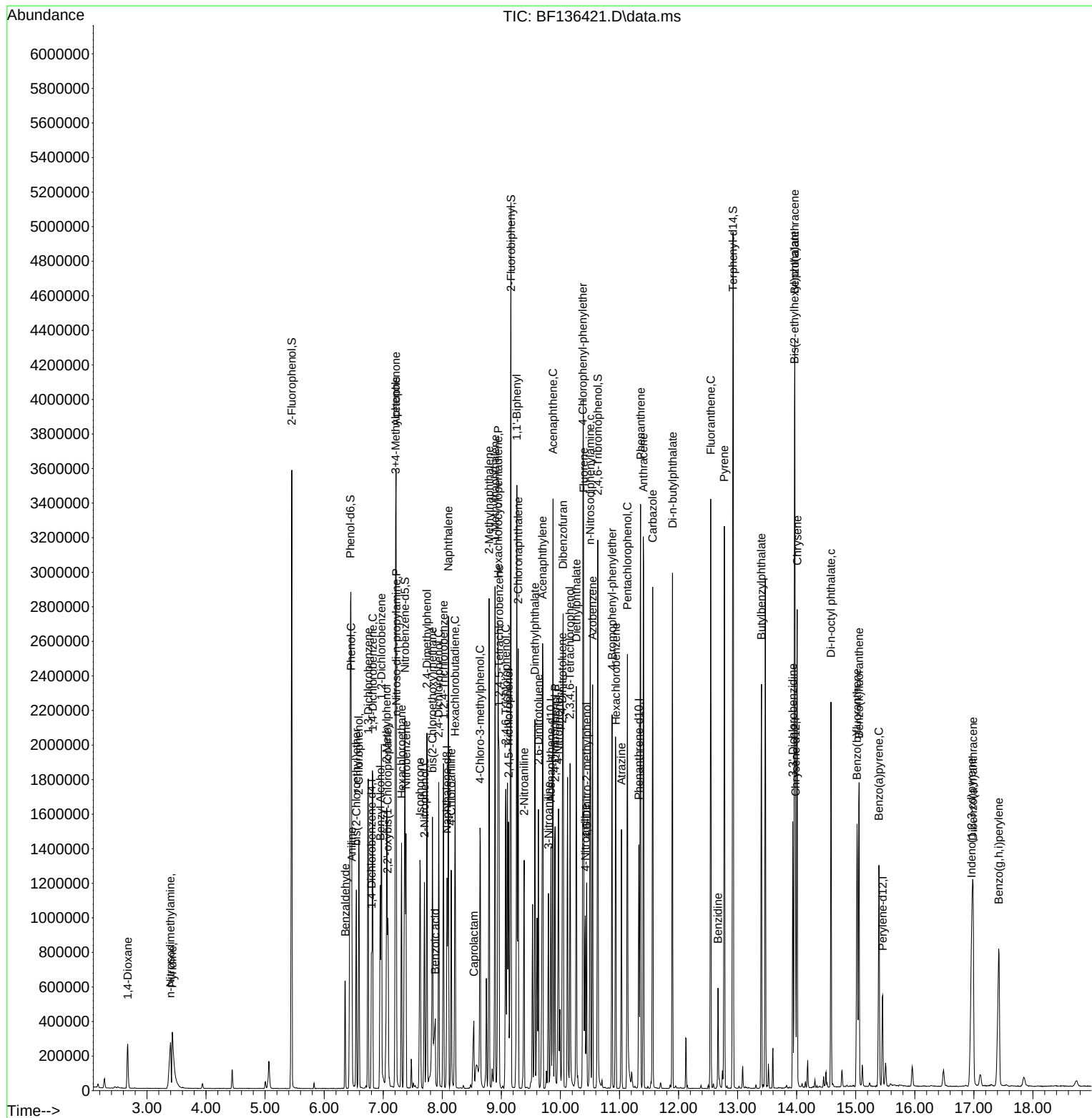
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 275521   | 43.834  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.263  | 154  | 1029007  | 43.500  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.287  | 162  | 776220   | 42.159  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.386  | 65   | 223953   | 45.353  | ng    | 88       |
| 49) Acenaphthylene            | 9.698  | 152  | 1177720  | 44.904  | ng    | 99       |
| 50) Dimethylphthalate         | 9.569  | 163  | 909266   | 44.424  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 202900   | 44.064  | ng    | 96       |
| 52) Acenaphthene              | 9.875  | 154  | 727020   | 43.257  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 183820   | 39.093  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 238610   | 102.491 | ng    | 97       |
| 55) Dibenzofuran              | 10.045 | 168  | 1074002  | 43.742  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 329932   | 93.599  | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.034 | 165  | 271170   | 44.517  | ng    | 91       |
| 58) Fluorene                  | 10.392 | 166  | 854676   | 43.364  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 244238   | 48.510  | ng    | 98       |
| 60) Diethylphthalate          | 10.269 | 149  | 897066   | 44.571  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.381 | 204  | 412867   | 42.970  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 212879   | 45.594  | ng    | 98       |
| 63) Azobenzene                | 10.545 | 77   | 807594   | 44.084  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 160437   | 48.562  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.504 | 169  | 769020   | 44.926  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.875 | 248  | 268087   | 43.224  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 307609   | 42.911  | ng    | # 89     |
| 69) Atrazine                  | 11.033 | 200  | 179113   | 36.661  | ng    | 99       |
| 70) Pentachlorophenol         | 11.133 | 266  | 335490   | 82.924  | ng    | 97       |
| 71) Phenanthrene              | 11.357 | 178  | 1332918  | 45.459  | ng    | 99       |
| 72) Anthracene                | 11.404 | 178  | 1340431  | 45.388  | ng    | 99       |
| 73) Carbazole                 | 11.563 | 167  | 1170619  | 44.785  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.898 | 149  | 1439565  | 44.925  | ng    | 99       |
| 75) Fluoranthene              | 12.545 | 202  | 1365316  | 44.434  | ng    | 99       |
| 77) Benzidine                 | 12.669 | 184  | 222823   | 33.611  | ng    | 98       |
| 78) Pyrene                    | 12.775 | 202  | 1379848  | 43.295  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 540190   | 47.613  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.969 | 228  | 1009251  | 44.523  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 327621   | 51.548  | ng    | 99       |
| 83) Chrysene                  | 14.010 | 228  | 983151   | 44.083  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 683320   | 49.130  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 1050123  | 51.115  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.962 | 276  | 861650   | 52.189  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 826146   | 50.844  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 758637   | 49.542  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 661887   | 49.325  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 716881   | 53.001  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 721777   | 51.991  | ng    | 98       |

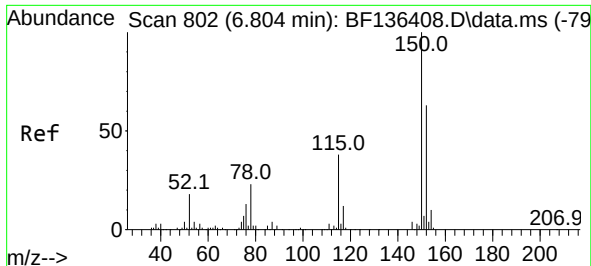
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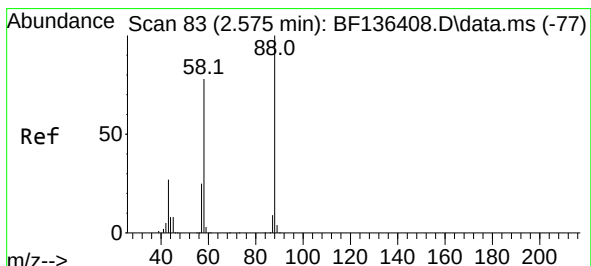
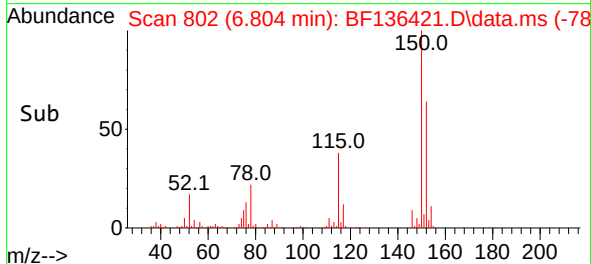
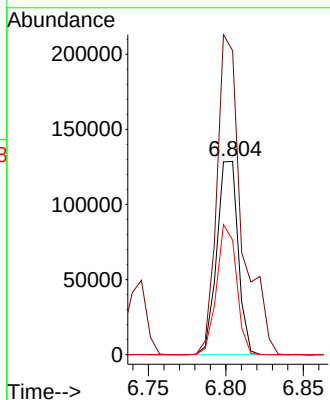
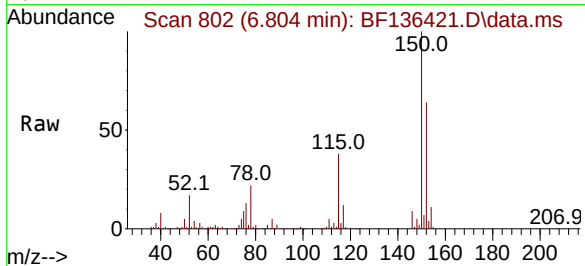




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.804 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: BF136421.D  
 Acq: 06 Dec 2023 11:09

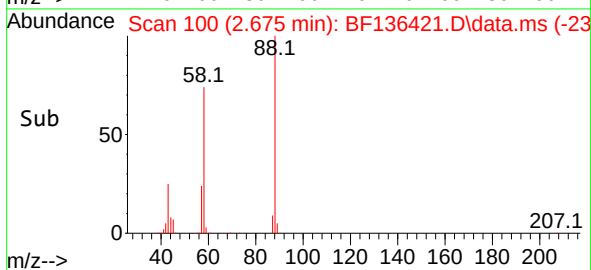
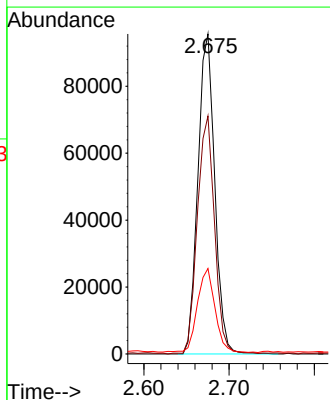
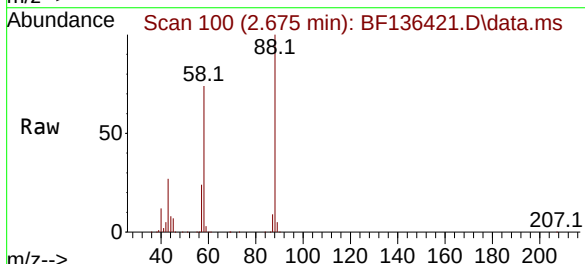
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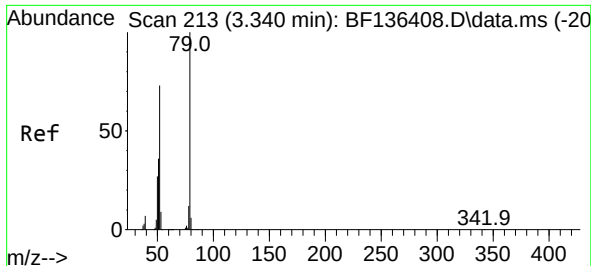
Tgt Ion:152 Resp: 122974  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 126.4 189.6  
 115 59.3 48.2 72.4



#2  
 1,4-Dioxane  
 Concen: 39.847 ng  
 RT: 2.675 min Scan# 100  
 Delta R.T. 0.100 min  
 Lab File: BF136421.D  
 Acq: 06 Dec 2023 11:09

Tgt Ion: 88 Resp: 131236  
 Ion Ratio Lower Upper  
 88 100  
 58 76.2 62.2 93.2  
 43 27.5 21.5 32.3

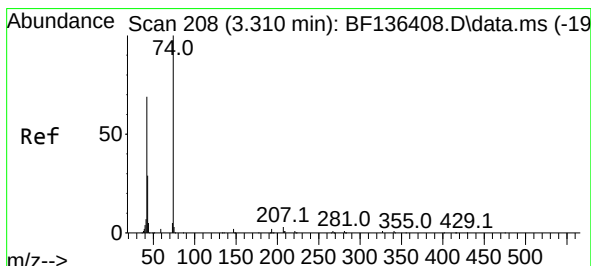
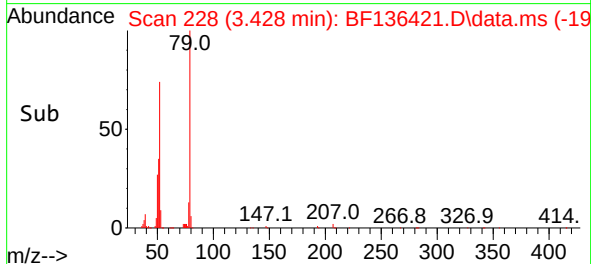
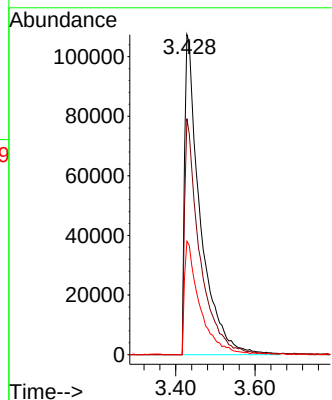
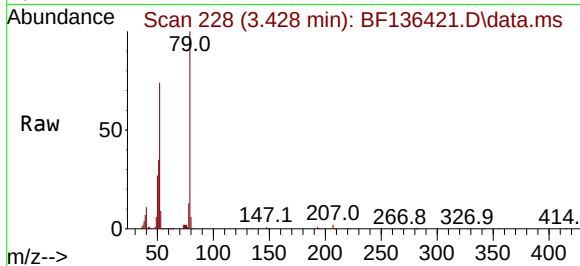




#3  
Pyridine  
Concen: 36.596 ng  
RT: 3.428 min Scan# 21  
Delta R.T. 0.088 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

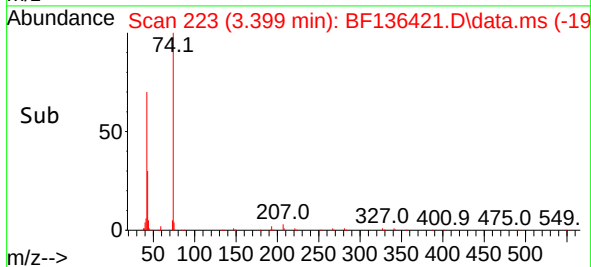
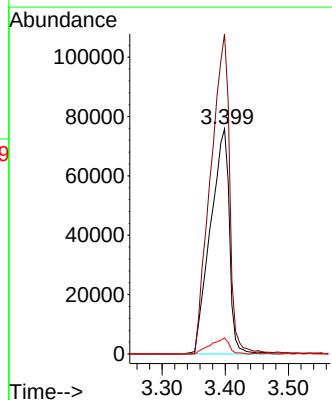
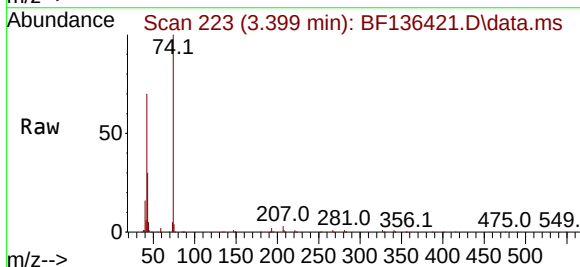
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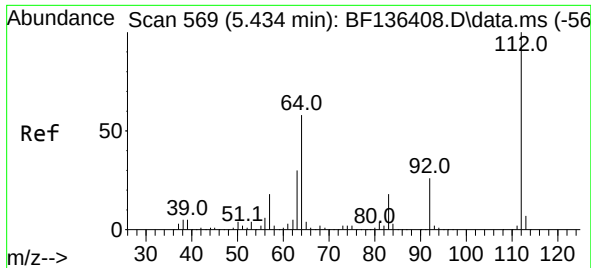
Tgt Ion: 79 Resp: 291888  
Ion Ratio Lower Upper  
79 100  
52 73.7 58.2 87.2  
51 35.4 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 45.530 ng  
RT: 3.399 min Scan# 223  
Delta R.T. 0.088 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion: 42 Resp: 157771  
Ion Ratio Lower Upper  
42 100  
74 142.2 115.4 173.0  
44 7.1 6.2 9.2

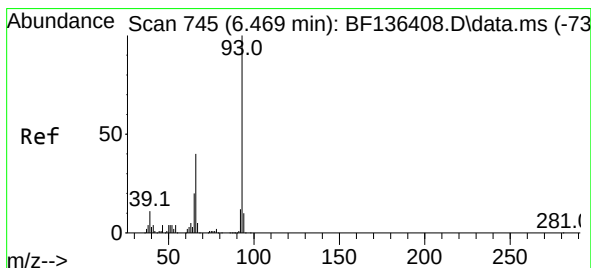
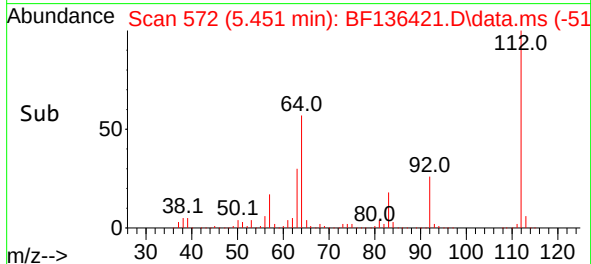
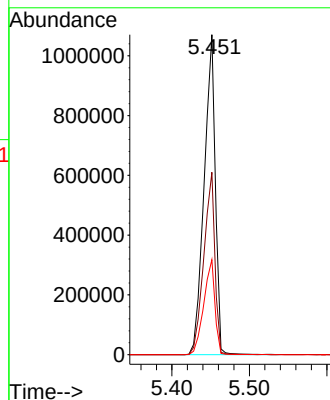
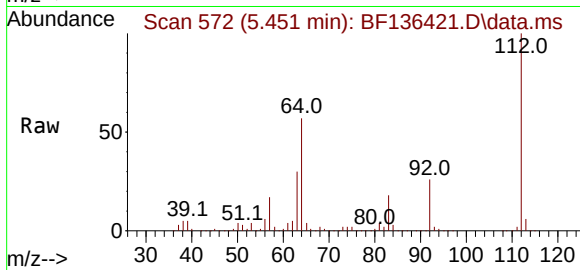




#5  
2-Fluorophenol  
Concen: 129.360 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

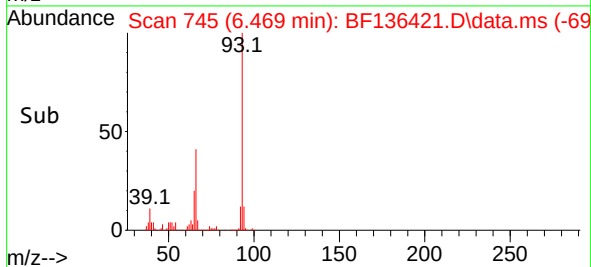
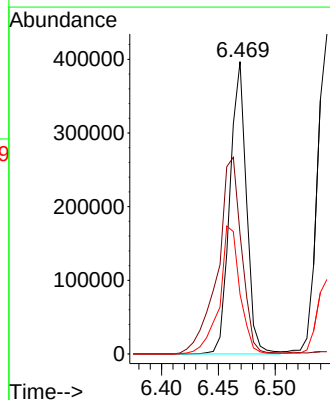
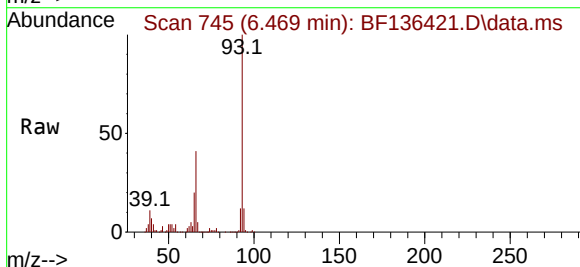
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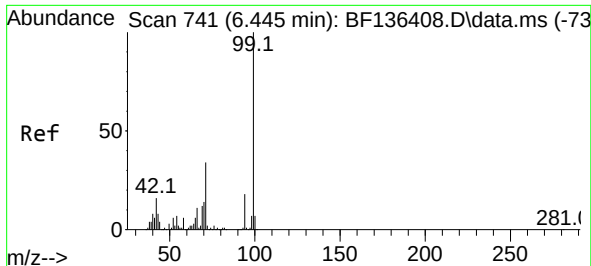
Tgt Ion:112 Resp: 1077170  
Ion Ratio Lower Upper  
112 100  
64 57.0 46.5 69.7  
63 29.7 23.9 35.9



#6  
Aniline  
Concen: 38.282 ng  
RT: 6.469 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion: 93 Resp: 401940  
Ion Ratio Lower Upper  
93 100  
66 41.0 32.5 48.7  
65 20.4 16.4 24.6

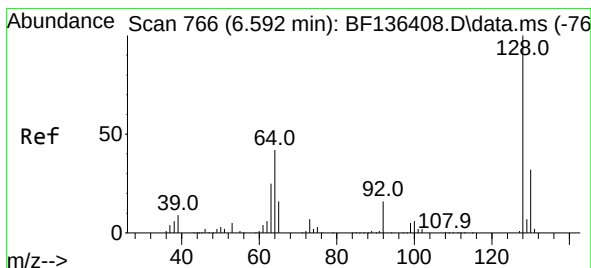
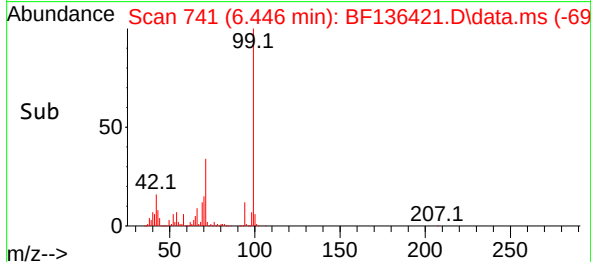
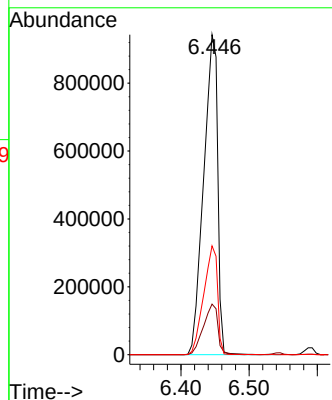
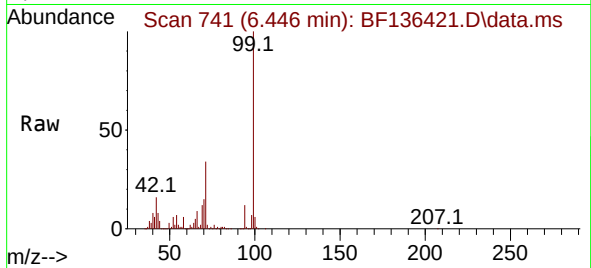




#7  
Phenol-d6  
Concen: 129.463 ng  
RT: 6.446 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

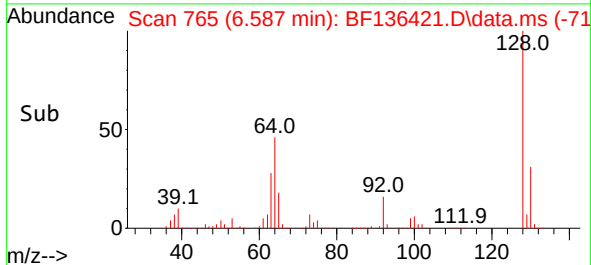
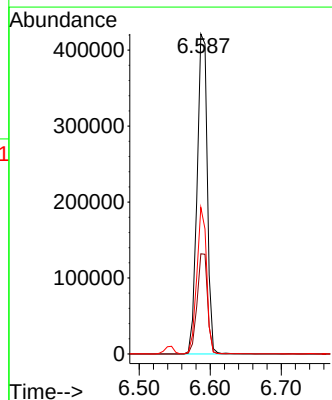
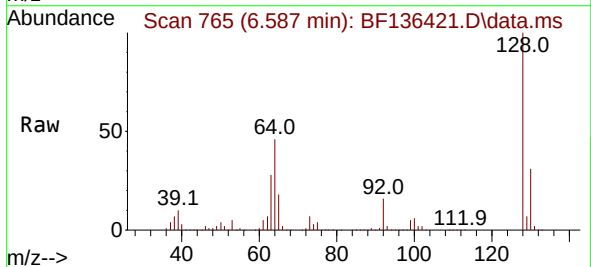
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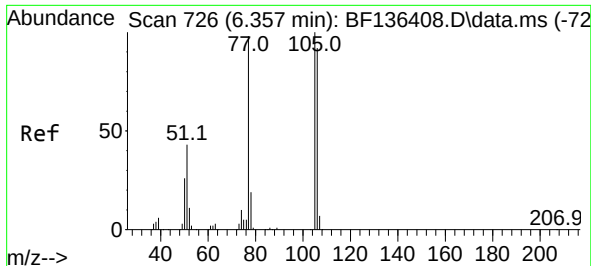
Tgt Ion: 99 Resp: 1345007  
Ion Ratio Lower Upper  
99 100  
42 15.8 12.8 19.2  
71 34.0 27.0 40.4



#8  
2-Chlorophenol  
Concen: 46.439 ng  
RT: 6.587 min Scan# 765  
Delta R.T. -0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

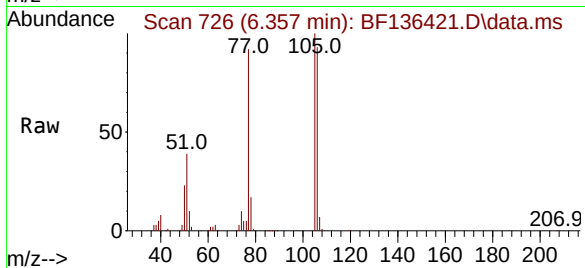
Tgt Ion:128 Resp: 422152  
Ion Ratio Lower Upper  
128 100  
130 31.3 11.7 51.7  
64 45.8 22.5 62.5



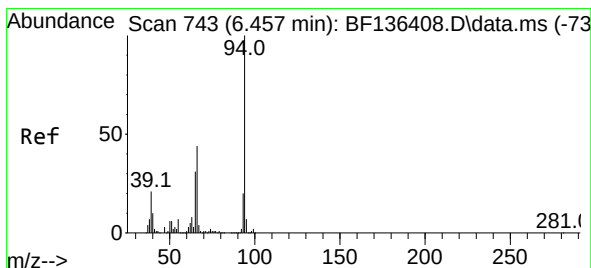
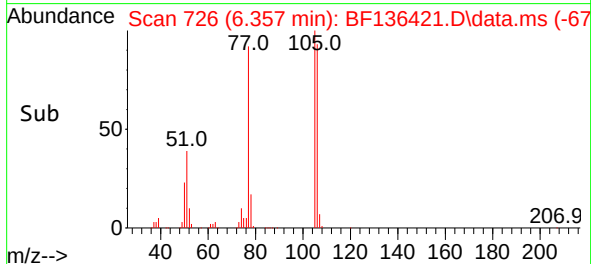
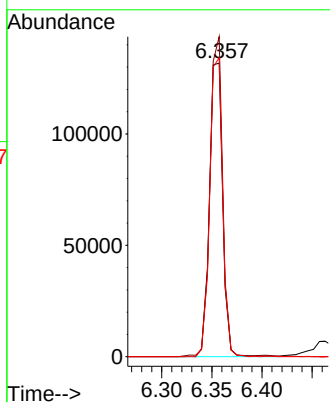


#9  
Benzaldehyde  
Concen: 20.419 ng  
RT: 6.357 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :

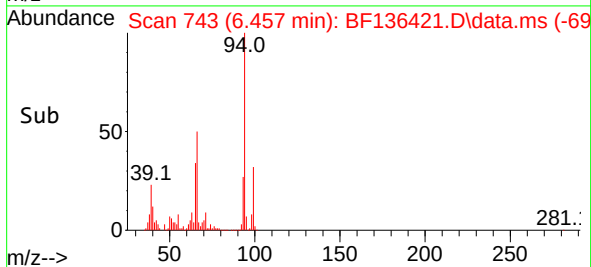
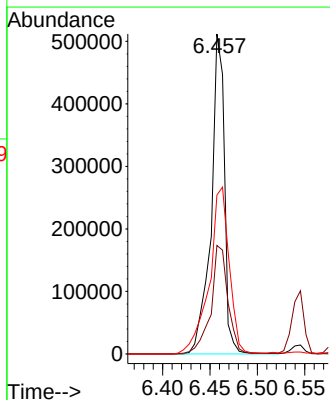
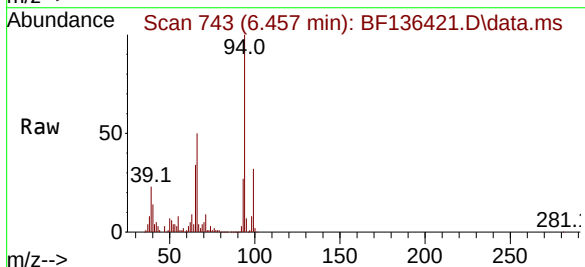


Tgt Ion: 77 Resp: 121283  
Ion Ratio Lower Upper  
77 100  
105 109.0 82.5 122.5  
106 101.8 74.5 114.5

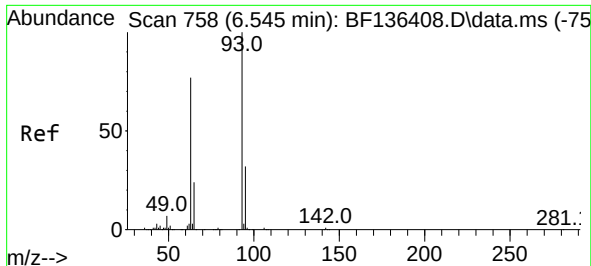


#10  
Phenol  
Concen: 45.395 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion: 94 Resp: 501838  
Ion Ratio Lower Upper  
94 100  
65 33.9 11.2 51.2  
66 49.6 24.2 64.2



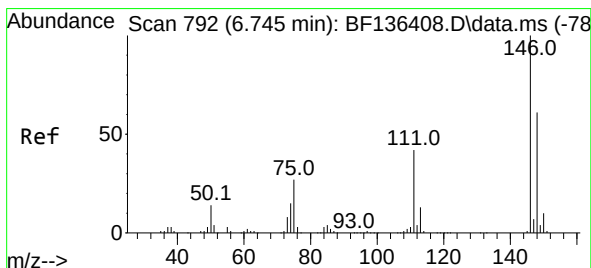
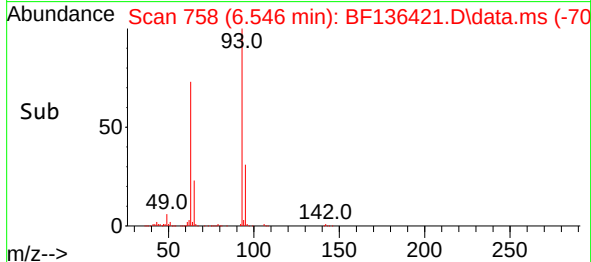
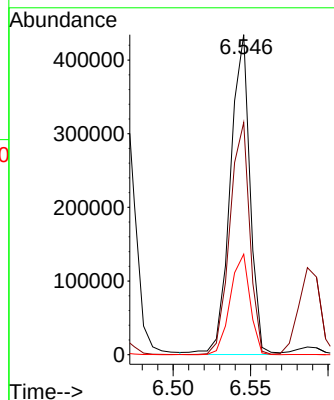
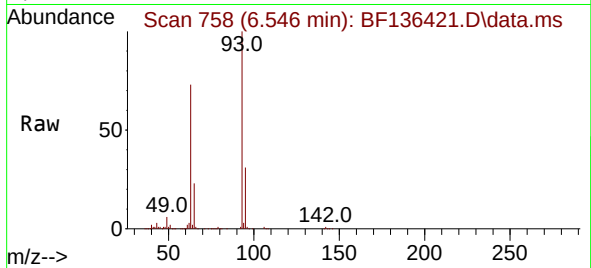




#11  
bis(2-Chloroethyl)ether  
Concen: 46.671 ng  
RT: 6.546 min Scan# 711  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

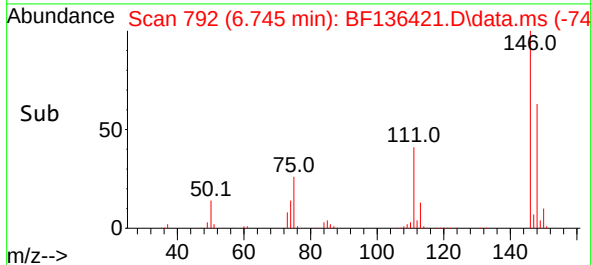
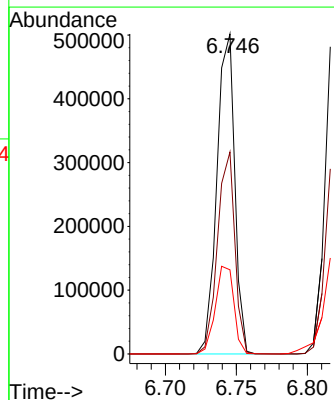
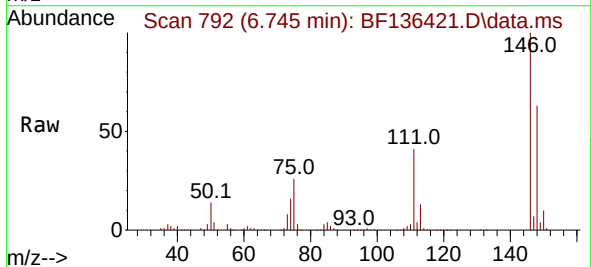
Instrument :  
BNA\_F  
ClientSampleId :

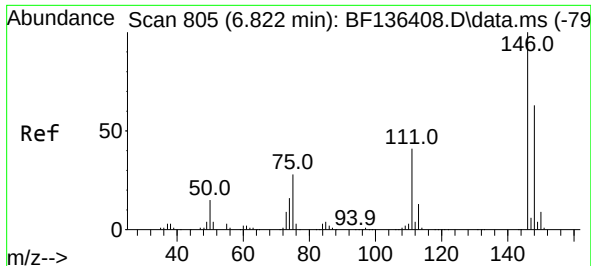
Tgt Ion: 93 Resp: 384581  
Ion Ratio Lower Upper  
93 100  
63 72.5 56.8 96.8  
95 31.4 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 42.871 ng  
RT: 6.745 min Scan# 792  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:146 Resp: 438283  
Ion Ratio Lower Upper  
146 100  
148 63.1 49.0 73.6  
75 26.3 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 43.083 ng

RT: 6.822 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

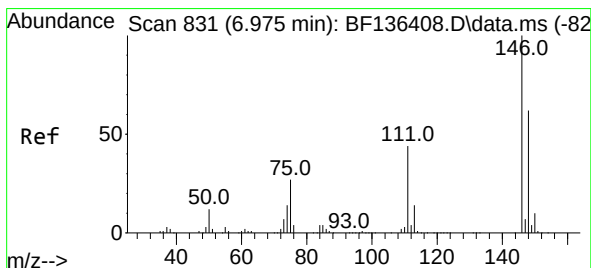
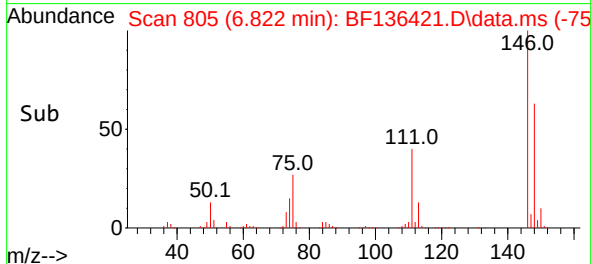
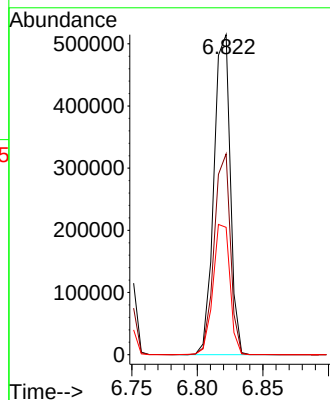
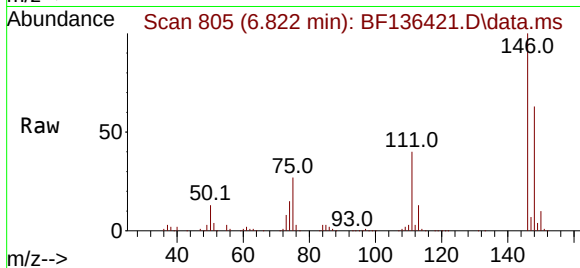
Tgt Ion:146 Resp: 446797

Ion Ratio Lower Upper

146 100

148 62.7 50.3 75.5

111 39.8 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 43.558 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

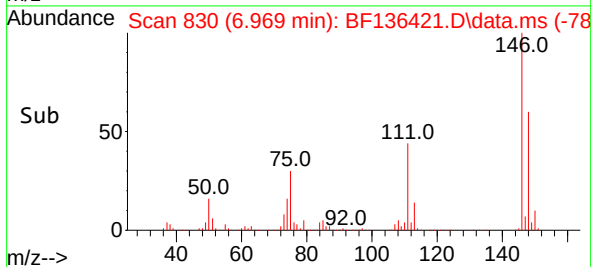
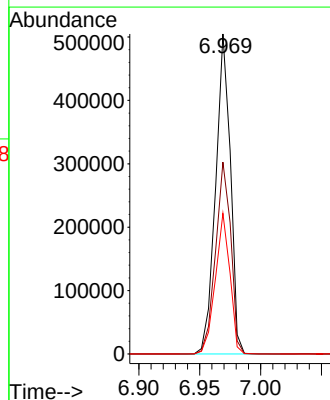
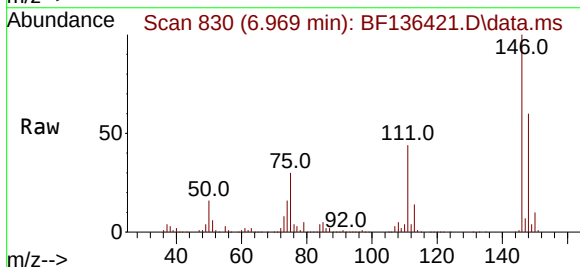
Tgt Ion:146 Resp: 424778

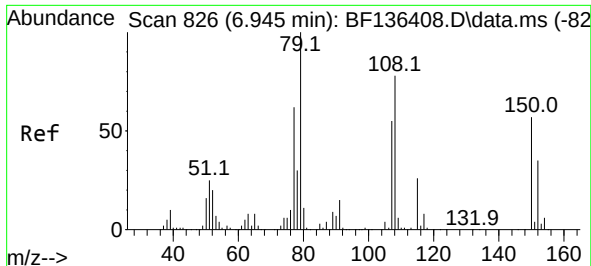
Ion Ratio Lower Upper

146 100

148 59.9 49.8 74.6

111 43.9 34.9 52.3

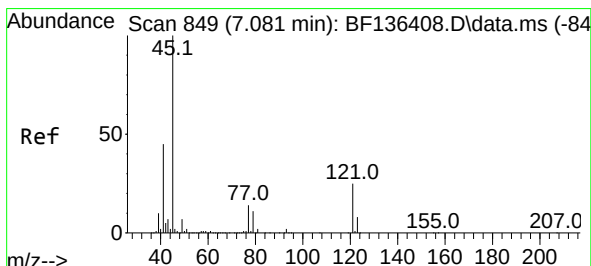
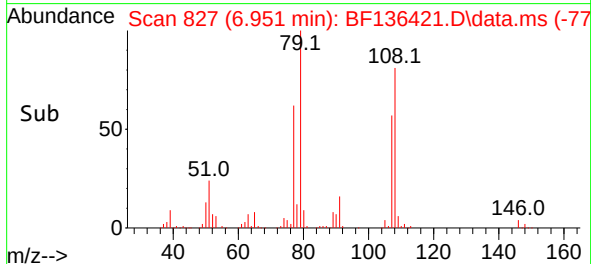
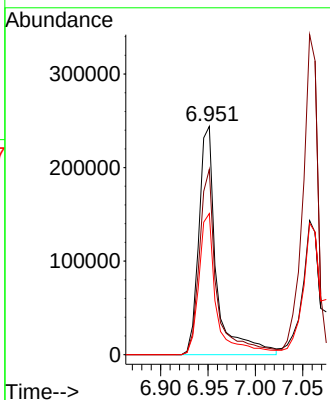
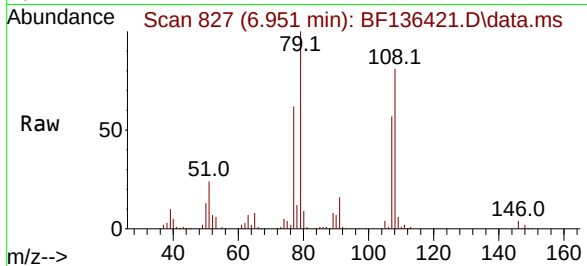




#15  
Benzyl Alcohol  
Concen: 45.597 ng  
RT: 6.951 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

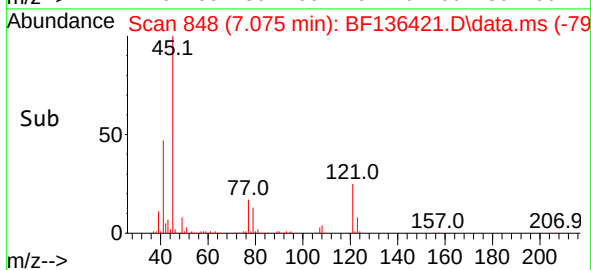
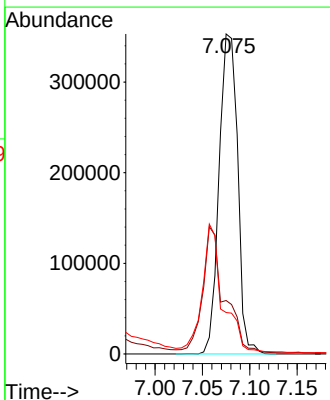
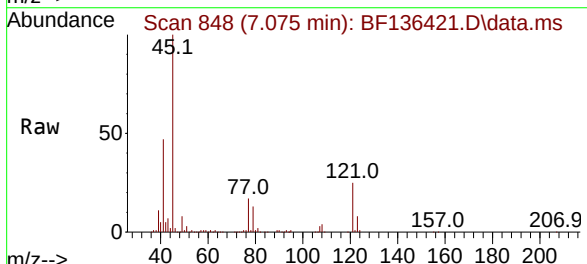
Instrument :  
BNA\_F  
ClientSampleId :

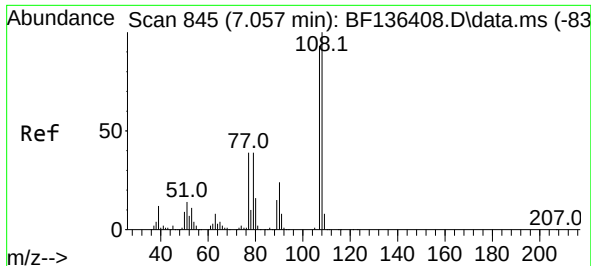
Tgt Ion: 79 Resp: 317214  
Ion Ratio Lower Upper  
79 100  
108 81.1 62.3 93.5  
77 61.8 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.418 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

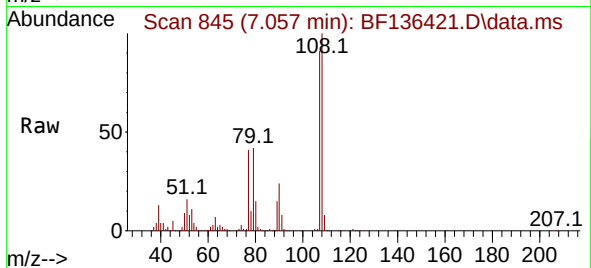
Tgt Ion: 45 Resp: 481342  
Ion Ratio Lower Upper  
45 100  
77 16.7 0.0 35.3  
79 13.0 0.0 32.5



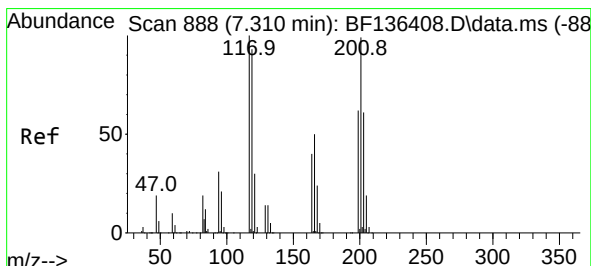
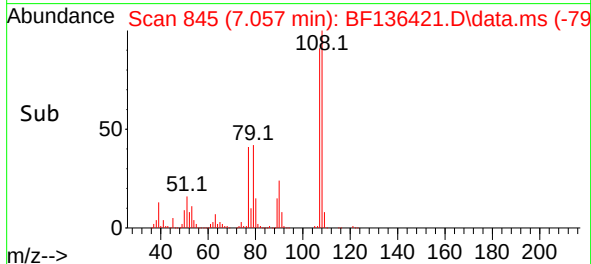
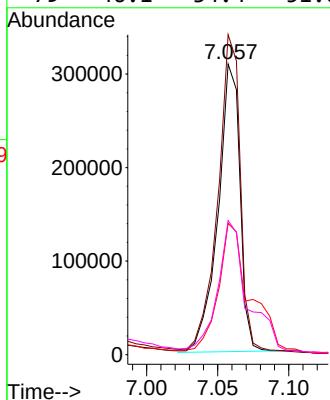


#17  
2-Methylphenol  
Concen: 44.914 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :

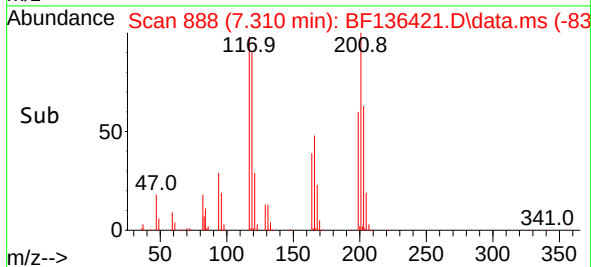
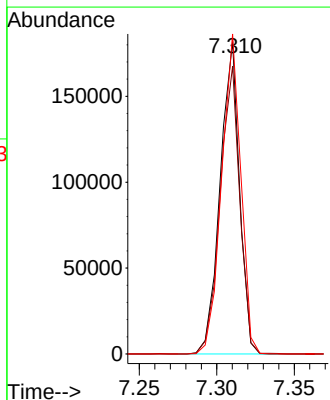
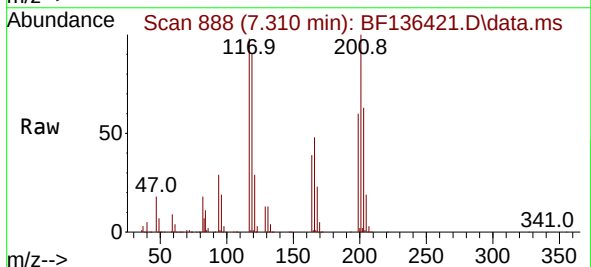


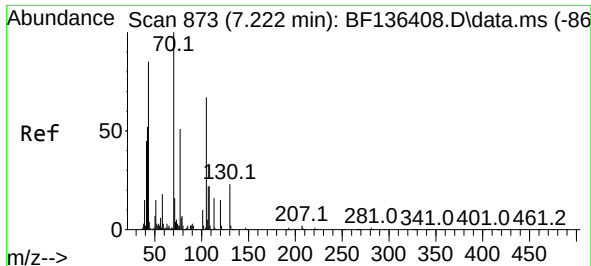
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 329856 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 110.0 | 86.5  | 129.7  |
| 77       | 45.2  | 33.8  | 50.8   |
| 79       | 46.1  | 34.4  | 51.6   |



#18  
Hexachloroethane  
Concen: 43.544 ng  
RT: 7.310 min Scan# 888  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 157658 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 92.2  | 74.3  | 111.5  |
| 201      | 102.4 | 79.3  | 118.9  |

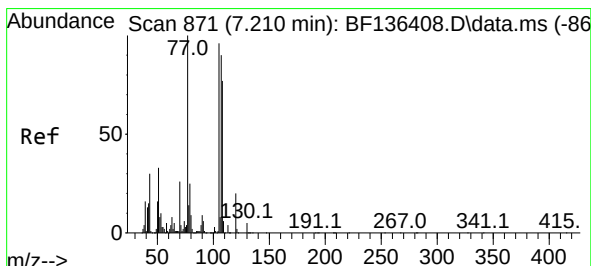
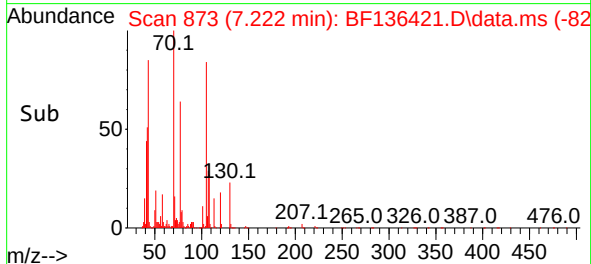
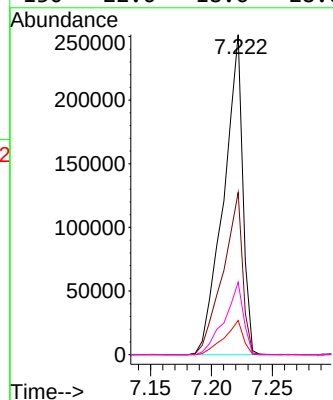
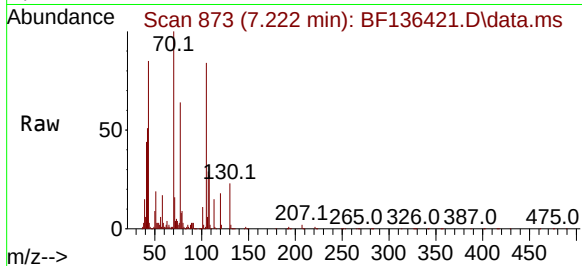




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.915 ng  
RT: 7.222 min Scan# 873  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

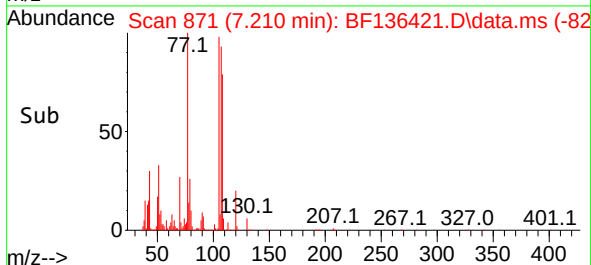
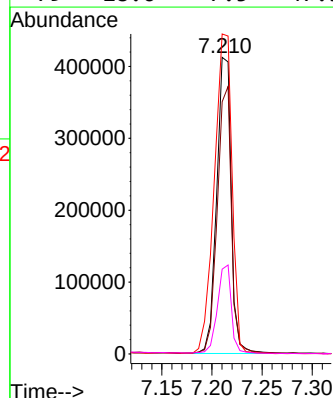
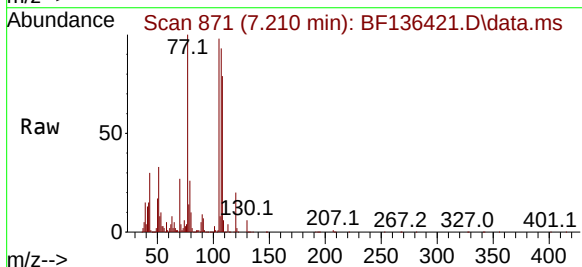
Instrument :  
BNA\_F  
ClientSampleId :

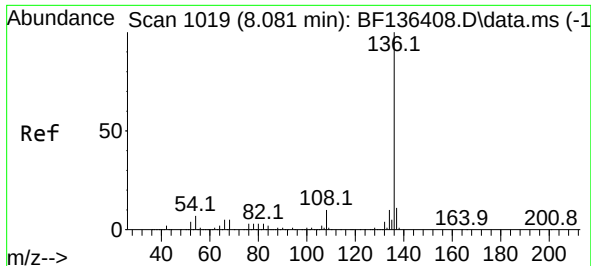
Tgt Ion: 70 Resp: 275169  
Ion Ratio Lower Upper  
70 100  
42 50.7 41.4 62.0  
101 10.7 8.2 12.4  
130 22.6 18.6 28.0



#20  
3+4-Methylphenols  
Concen: 45.588 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

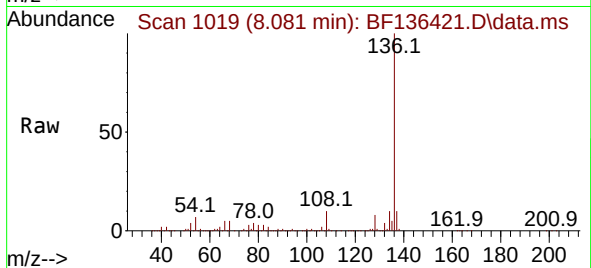
Tgt Ion: 107 Resp: 415570  
Ion Ratio Lower Upper  
107 100  
108 85.0 65.9 105.9  
77 107.9 91.7 131.7  
79 28.6 7.5 47.5



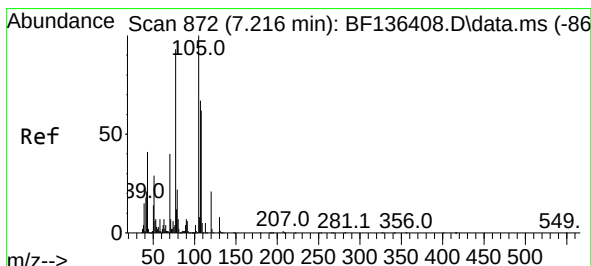
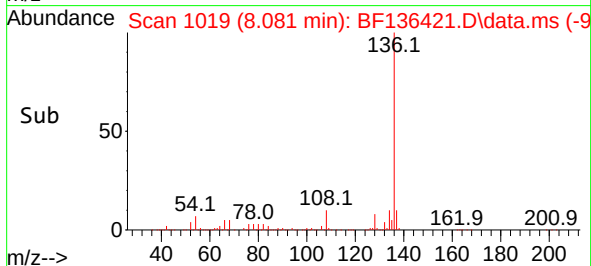
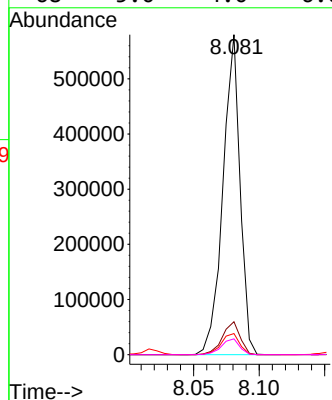


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :

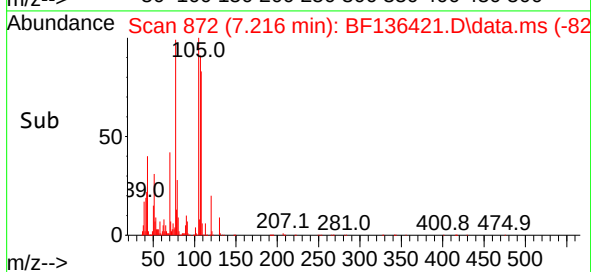
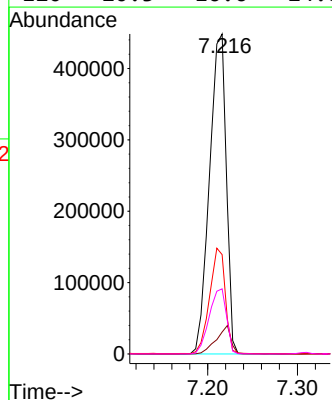
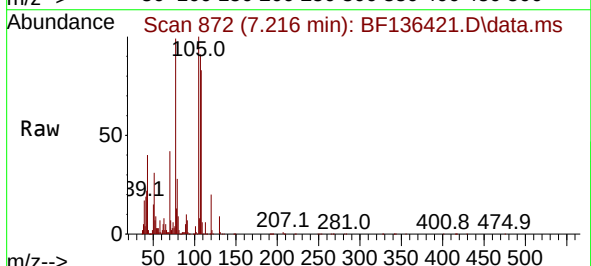


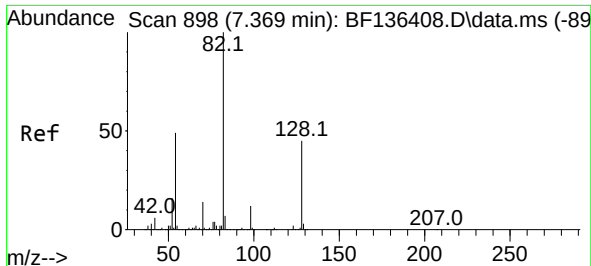
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 524583 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.3    | 8.6 12.8     |
| 54 6.6      | 5.7 8.5      |
| 68 5.0      | 4.0 6.0      |



#22  
Acetophenone  
Concen: 44.920 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 581892 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 6.8     | 5.4   | 8.0    |
| 51  | 31.1    | 23.4  | 35.2   |
| 120 | 20.3    | 16.6  | 24.8   |





#23

Nitrobenzene-d5

Concen: 84.780 ng

RT: 7.369 min Scan# 898

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

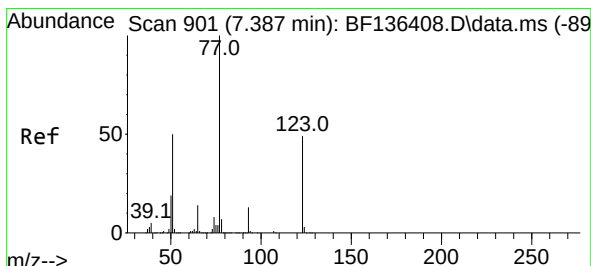
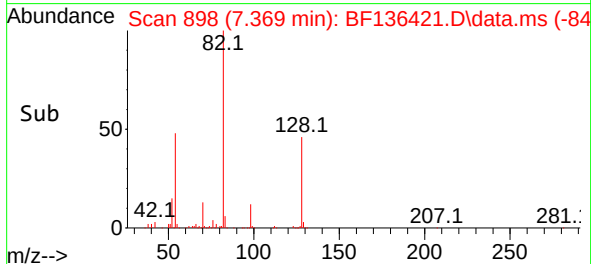
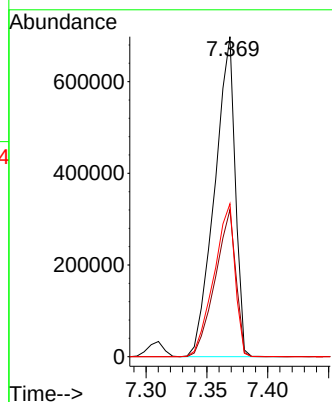
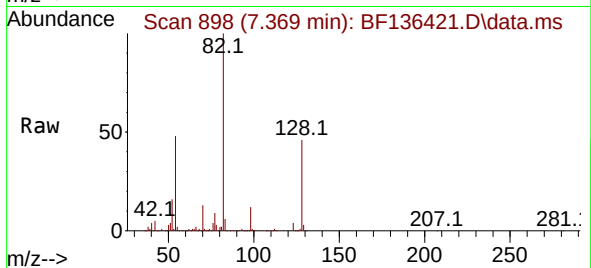
Tgt Ion: 82 Resp: 822679

Ion Ratio Lower Upper

82 100

128 46.0 36.3 54.5

54 47.8 39.0 58.6



#24

Nitrobenzene

Concen: 41.771 ng

RT: 7.387 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

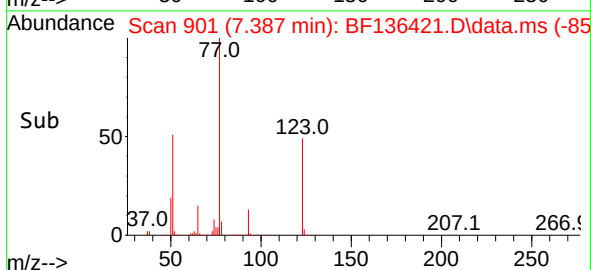
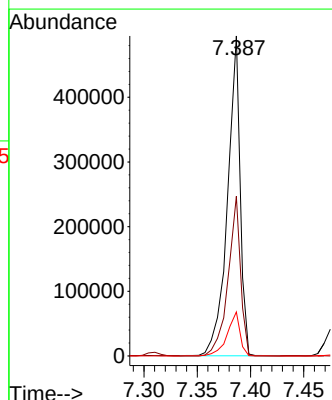
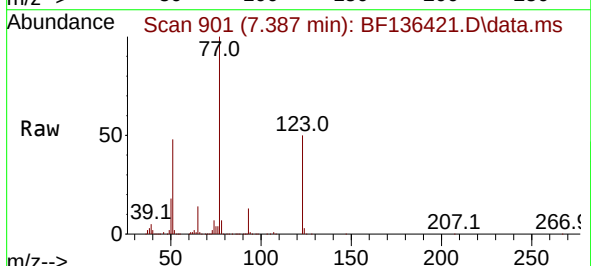
Tgt Ion: 77 Resp: 407752

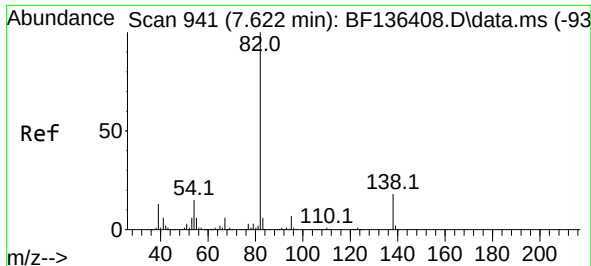
Ion Ratio Lower Upper

77 100

123 49.9 39.0 58.6

65 13.7 11.3 16.9

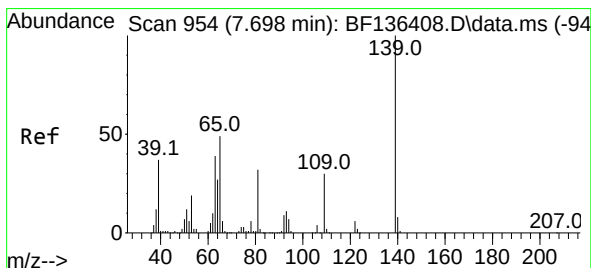
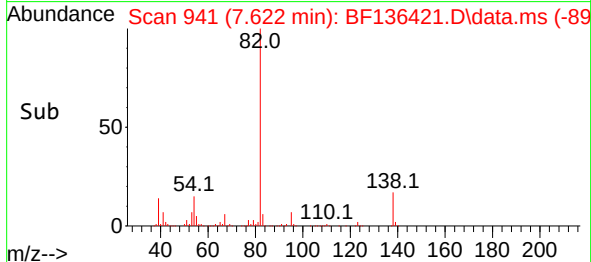
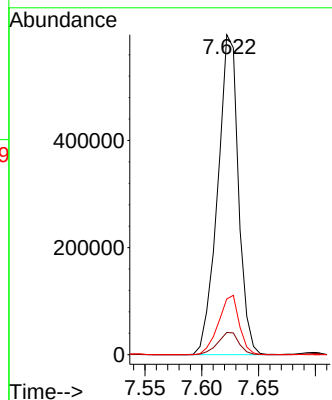
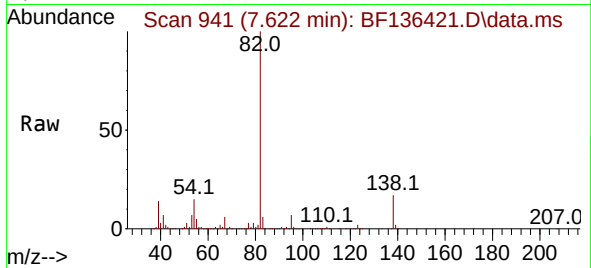




#25  
Isophorone  
Concen: 43.716 ng  
RT: 7.622 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

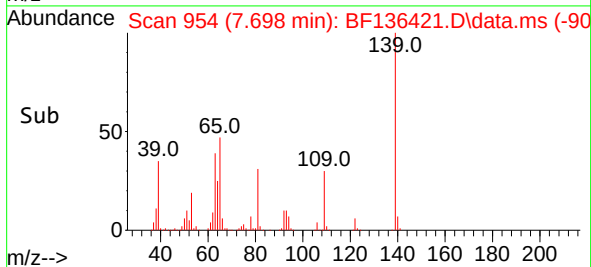
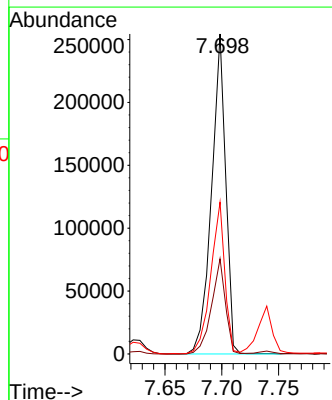
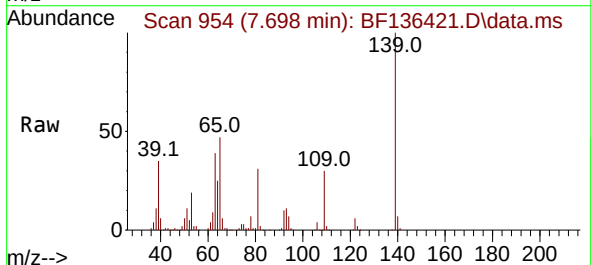
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion: 82 Resp: 762127  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.7 8.5  
138 17.4 14.5 21.7

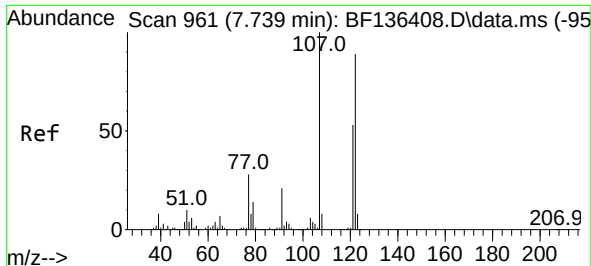


#26  
2-Nitrophenol  
Concen: 45.887 ng  
RT: 7.698 min Scan# 954  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:139 Resp: 220210  
Ion Ratio Lower Upper  
139 100  
109 29.7 23.6 35.4  
65 47.5 39.4 59.2







#27

2,4-Dimethylphenol

Concen: 61.862 ng

RT: 7.740 min Scan# 961

Delta R.T. 0.000 min

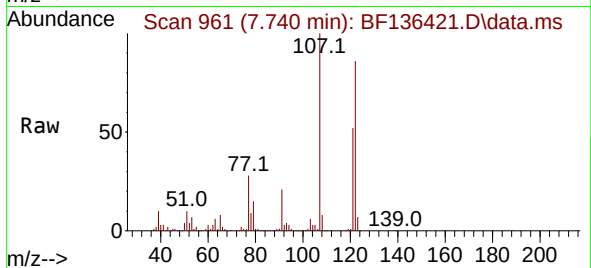
Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :



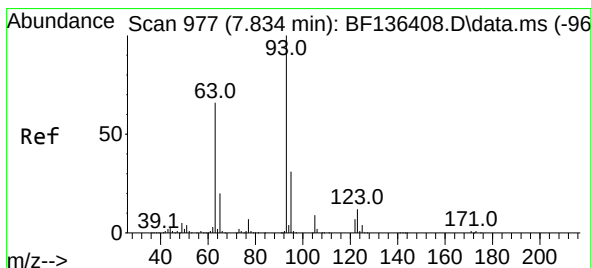
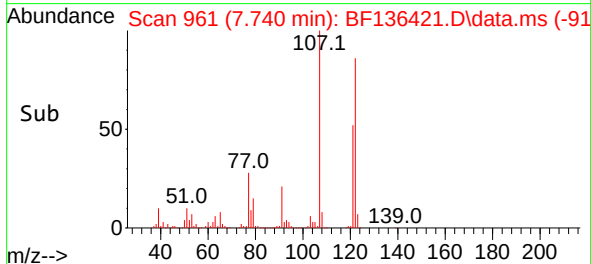
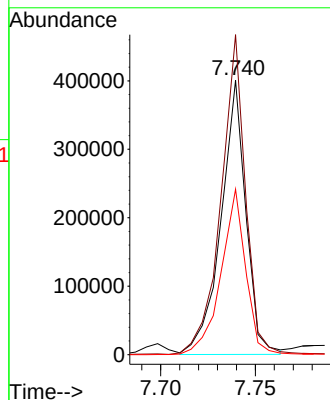
Tgt Ion:122 Resp: 366063

Ion Ratio Lower Upper

122 100

107 116.5 89.3 133.9

121 60.3 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 43.333 ng

RT: 7.834 min Scan# 977

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

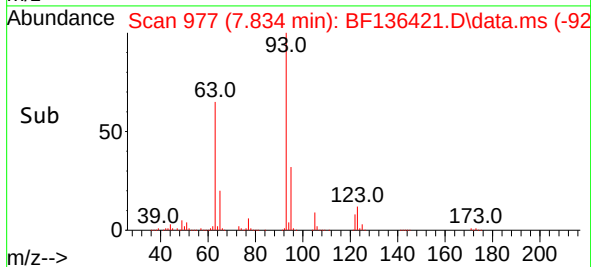
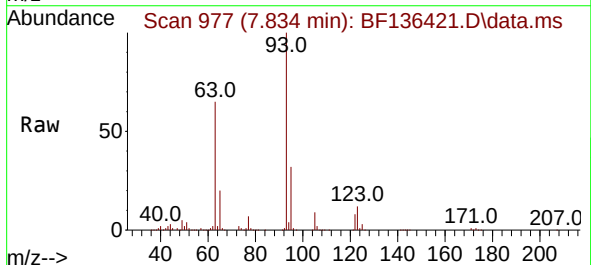
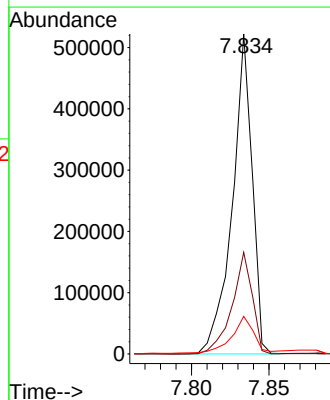
Tgt Ion: 93 Resp: 464205

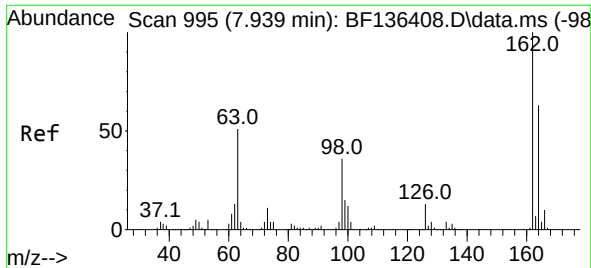
Ion Ratio Lower Upper

93 100

95 31.8 25.0 37.4

123 11.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 45.155 ng

RT: 7.940 min Scan# 995

Delta R.T. 0.000 min

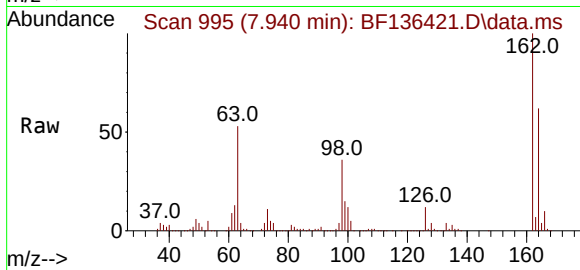
Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :



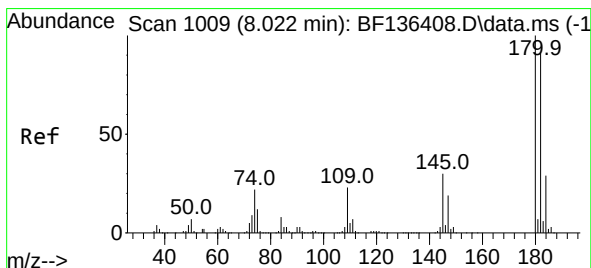
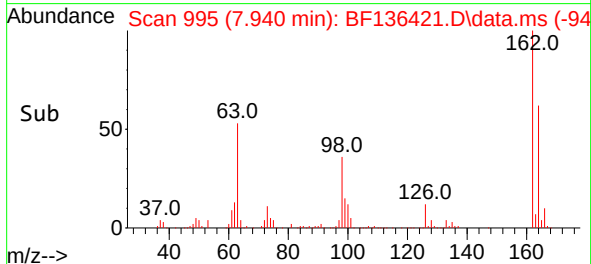
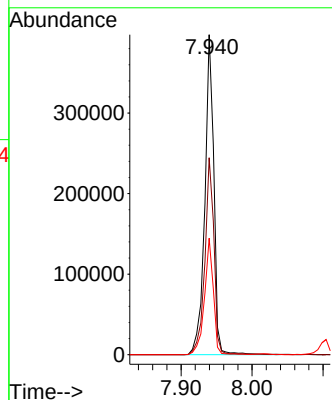
Tgt Ion:162 Resp: 352692

Ion Ratio Lower Upper

162 100

164 61.5 43.0 83.0

98 36.4 16.2 56.2



#30

1,2,4-Trichlorobenzene

Concen: 42.857 ng

RT: 8.022 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

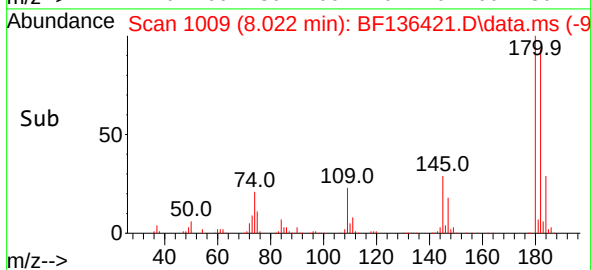
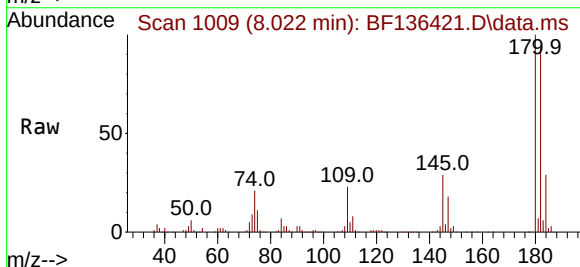
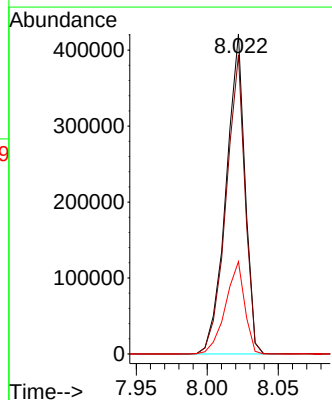
Tgt Ion:180 Resp: 390333

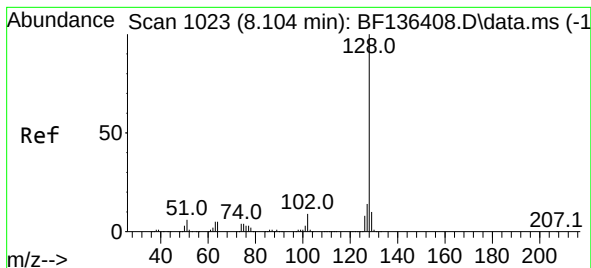
Ion Ratio Lower Upper

180 100

182 93.5 73.1 109.7

145 28.9 23.8 35.8





#31

Naphthalene

Concen: 42.935 ng

RT: 8.104 min Scan# 1

Delta R.T. 0.000 min

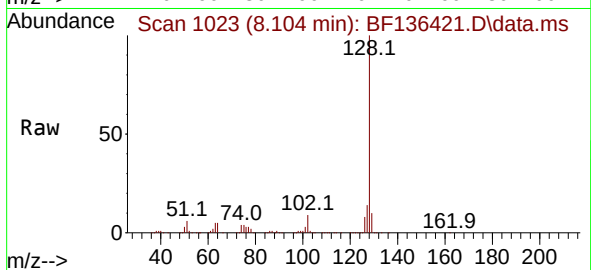
Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :



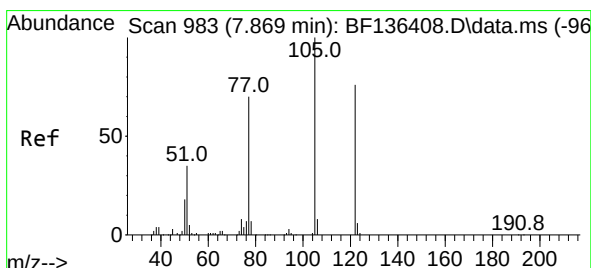
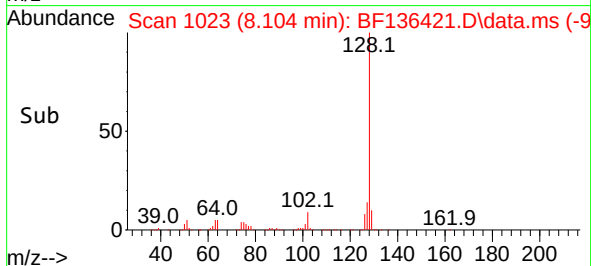
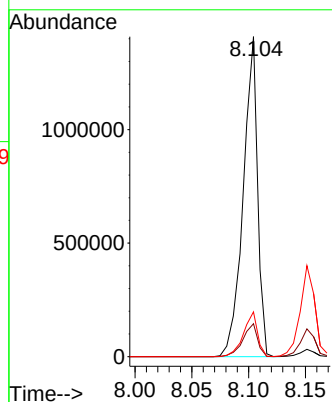
Tgt Ion:128 Resp: 1242051

Ion Ratio Lower Upper

128 100

129 10.3 8.3 12.5

127 14.0 11.1 16.7



#32

Benzoic acid

Concen: 46.137 ng

RT: 7.881 min Scan# 985

Delta R.T. 0.012 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

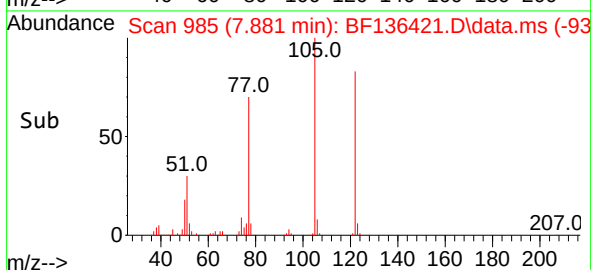
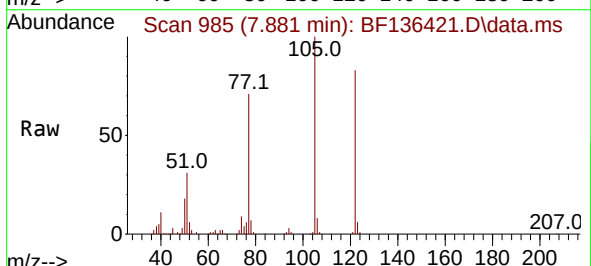
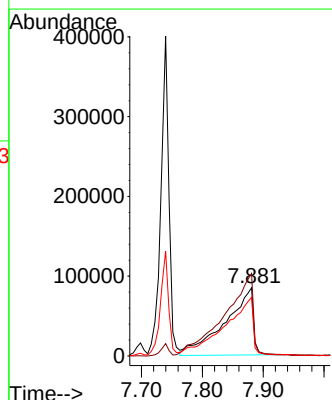
Tgt Ion:122 Resp: 270831

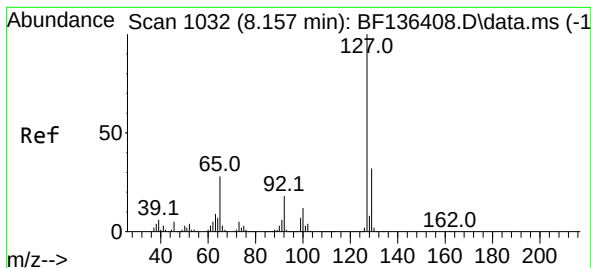
Ion Ratio Lower Upper

122 100

105 120.9 104.7 144.7

77 85.9 68.5 108.5





#33

4-Chloroaniline

Concen: 36.073 ng

RT: 8.151 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

Tgt Ion:127 Resp: 372034

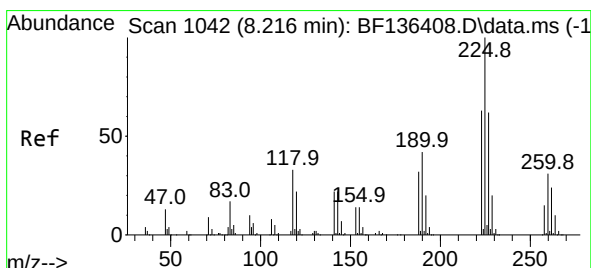
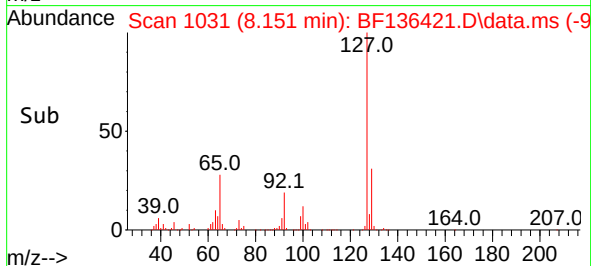
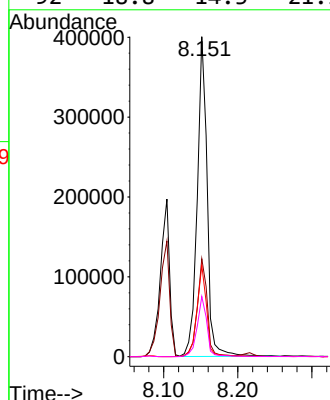
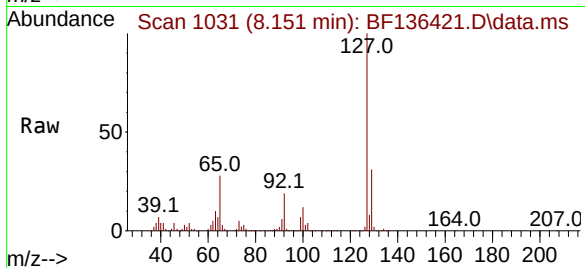
Ion Ratio Lower Upper

127 100

129 30.6 25.4 38.2

65 28.5 22.5 33.7

92 18.8 14.3 21.5



#34

Hexachlorobutadiene

Concen: 40.928 ng

RT: 8.216 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

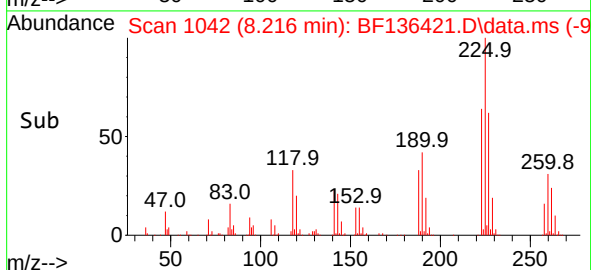
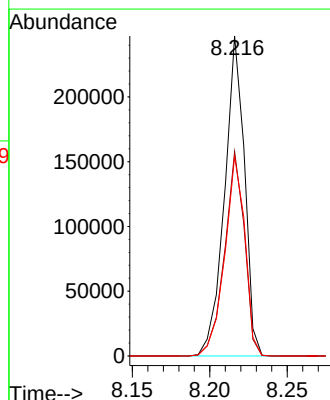
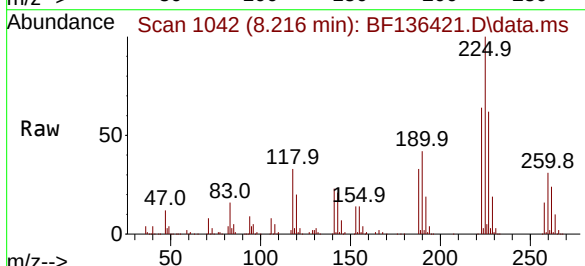
Tgt Ion:225 Resp: 220914

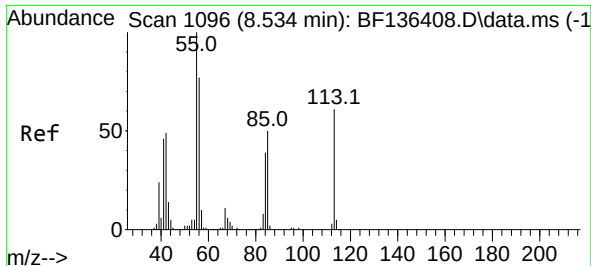
Ion Ratio Lower Upper

225 100

223 63.9 50.8 76.2

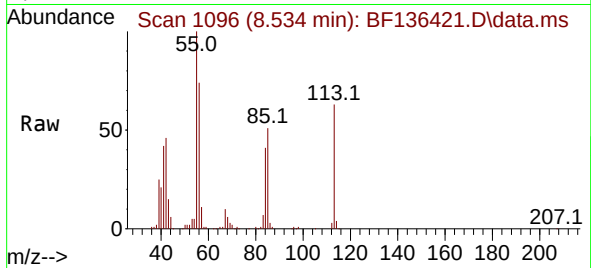
227 62.3 49.8 74.8



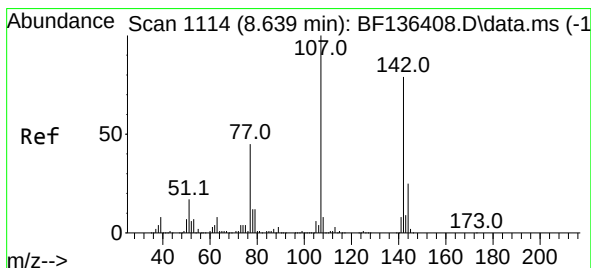
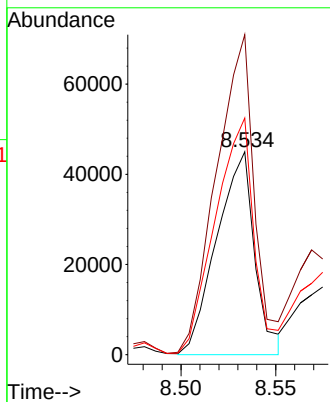
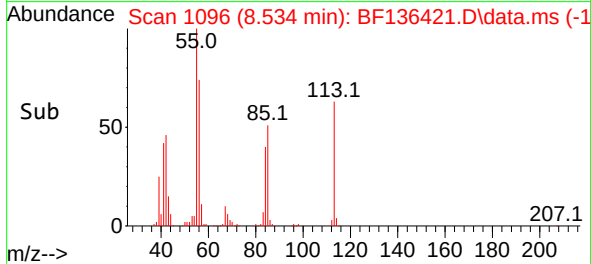


#35  
Caprolactam  
Concen: 26.105 ng  
RT: 8.534 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :

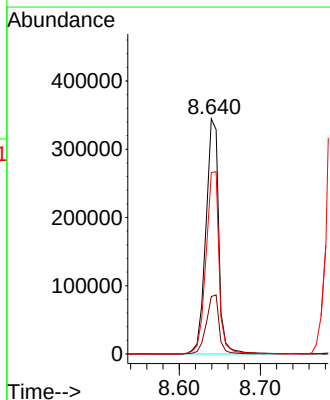
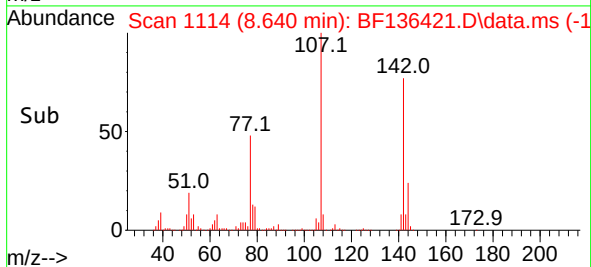
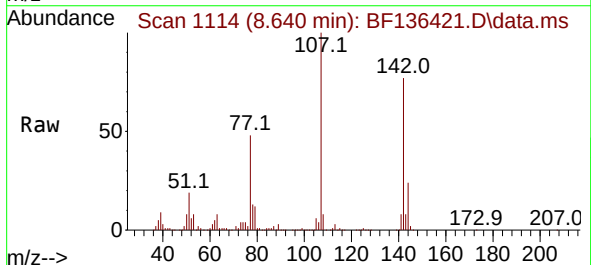


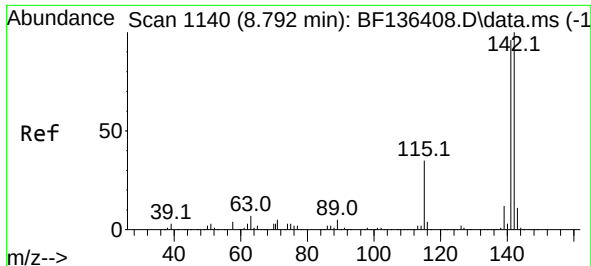
Tgt Ion:113 Resp: 62792  
Ion Ratio Lower Upper  
113 100  
55 157.7 143.7 183.7  
56 116.6 105.2 145.2



#36  
4-Chloro-3-methylphenol  
Concen: 45.631 ng  
RT: 8.640 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:107 Resp: 378433  
Ion Ratio Lower Upper  
107 100  
144 24.4 20.1 30.1  
142 77.1 63.1 94.7





#37

2-Methylnaphthalene

Concen: 43.273 ng

RT: 8.792 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

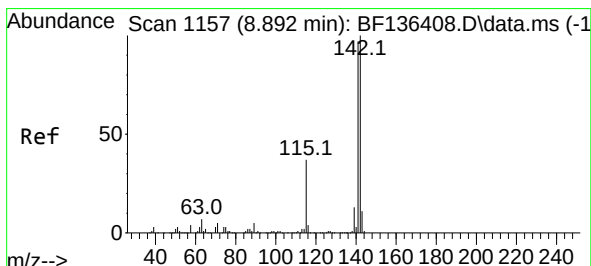
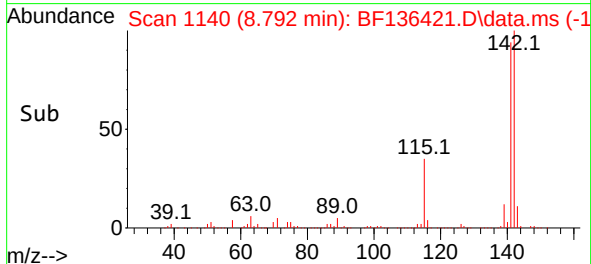
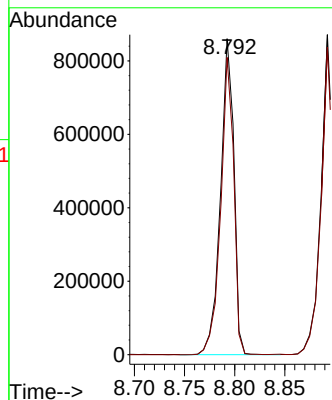
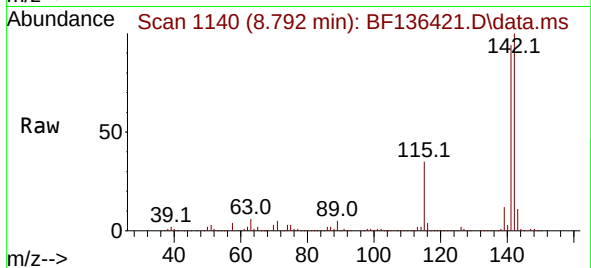
ClientSampleId :

Tgt Ion:142 Resp: 796400

Ion Ratio Lower Upper

142 100

141 94.1 76.4 114.6



#38

1-Methylnaphthalene

Concen: 41.147 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF136421.D

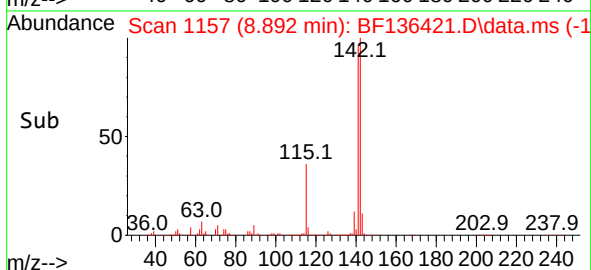
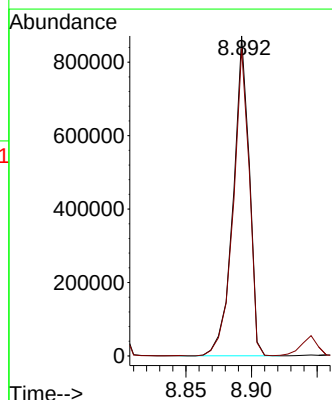
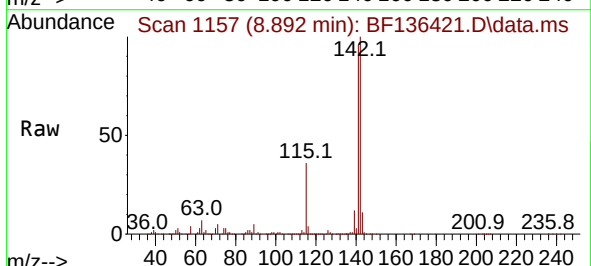
Acq: 06 Dec 2023 11:09

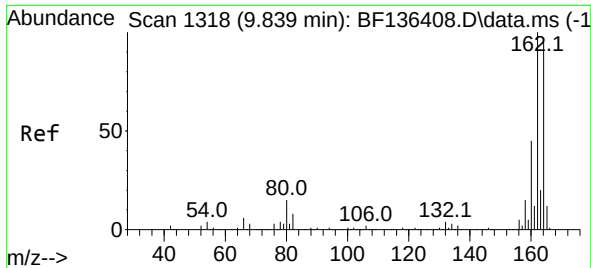
Tgt Ion:142 Resp: 743100

Ion Ratio Lower Upper

142 100

141 96.1 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1118

Delta R.T. 0.000 min

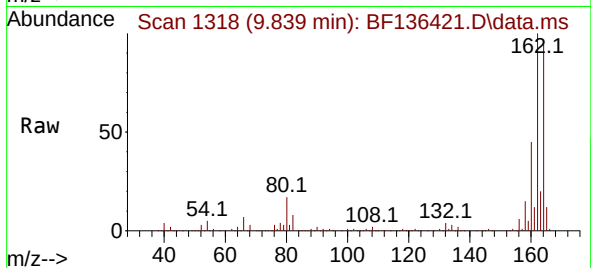
Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :



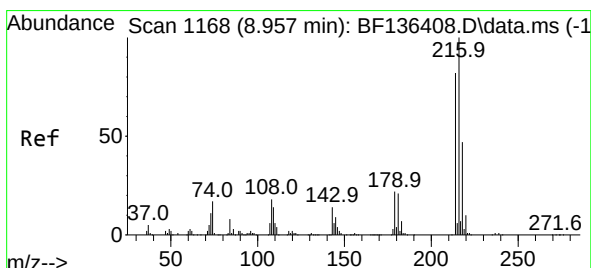
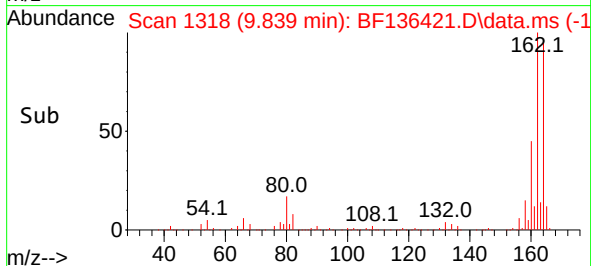
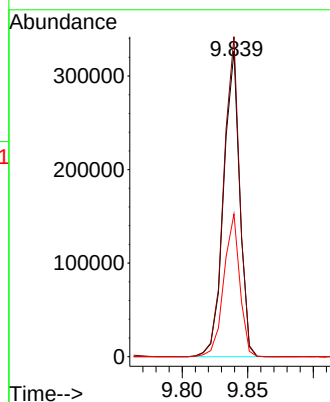
Tgt Ion:164 Resp: 278006

Ion Ratio Lower Upper

164 100

162 104.7 84.4 126.6

160 46.7 37.6 56.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.132 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Tgt Ion:216 Resp: 381707

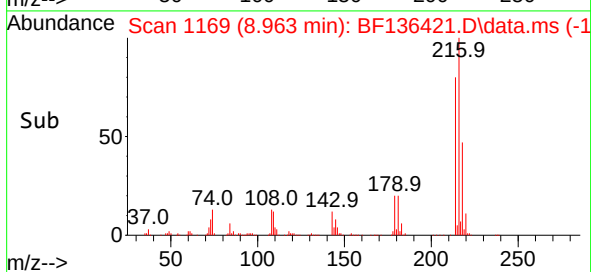
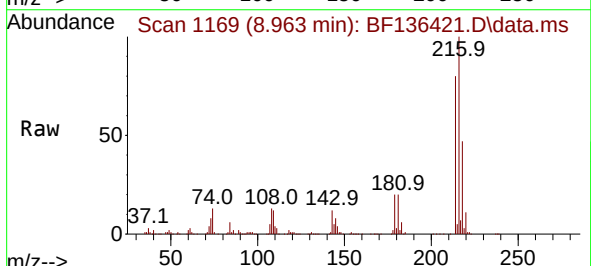
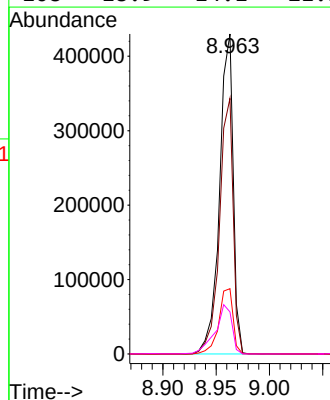
Ion Ratio Lower Upper

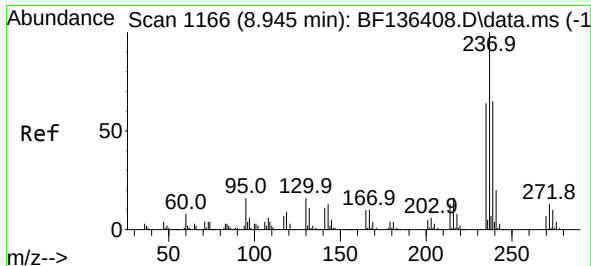
216 100

214 80.3 64.1 96.1

179 21.3 17.0 25.6

108 18.9 14.1 21.1

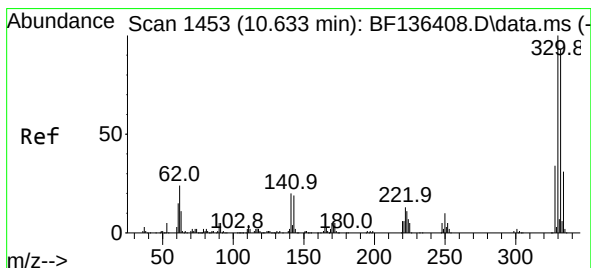
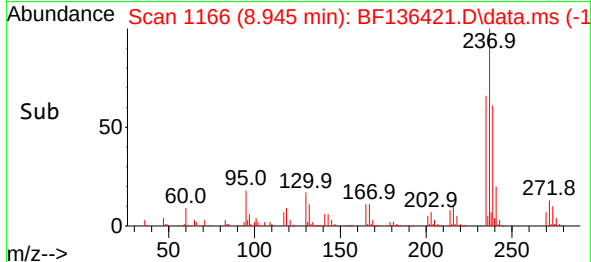
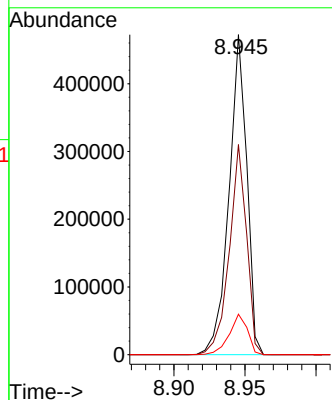
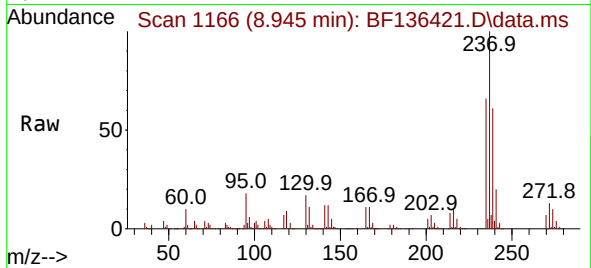




#41  
Hexachlorocyclopentadiene  
Concen: 128.636 ng  
RT: 8.945 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

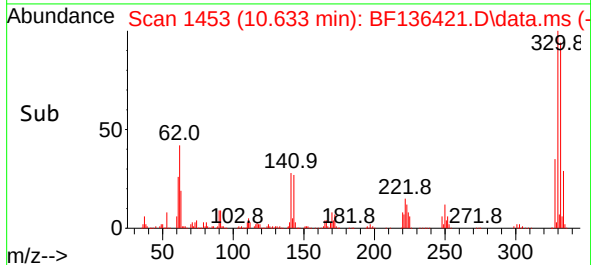
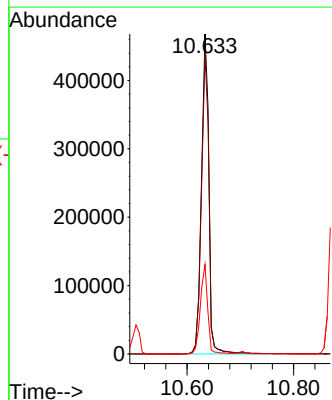
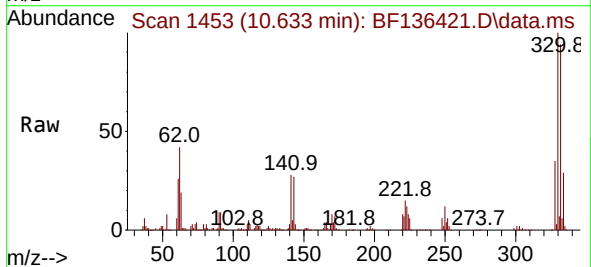
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:237 Resp: 412188  
Ion Ratio Lower Upper  
237 100  
235 65.6 44.1 84.1  
272 12.6 0.0 33.3

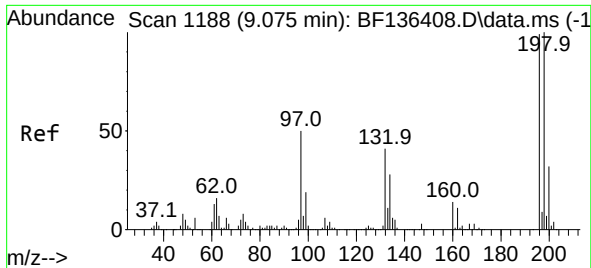


#42  
2,4,6-Tribromophenol  
Concen: 132.960 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:330 Resp: 455764  
Ion Ratio Lower Upper  
330 100  
332 94.4 76.4 114.6  
141 27.6 23.4 35.2

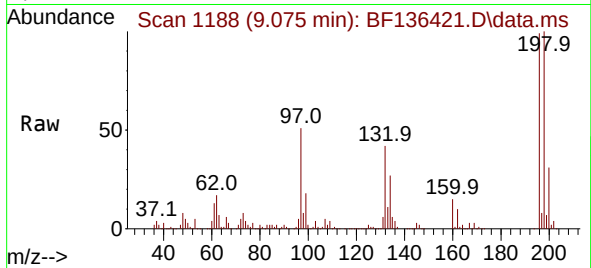




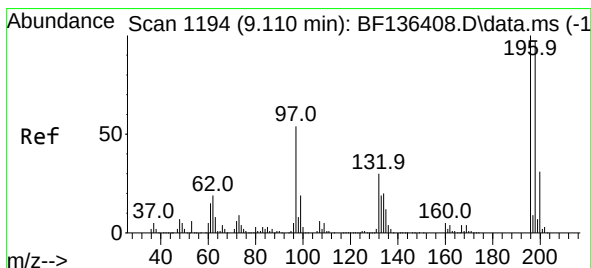
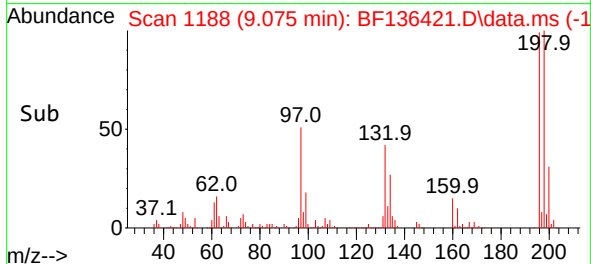
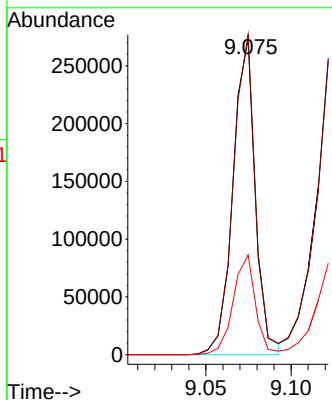


#43  
2,4,6-Trichlorophenol  
Concen: 44.117 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :

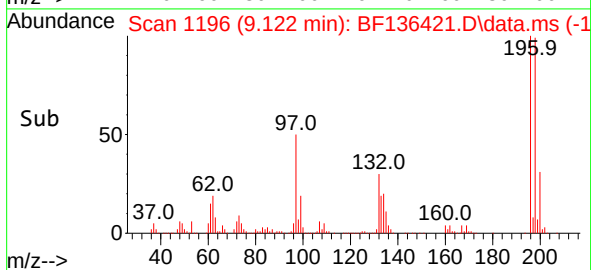
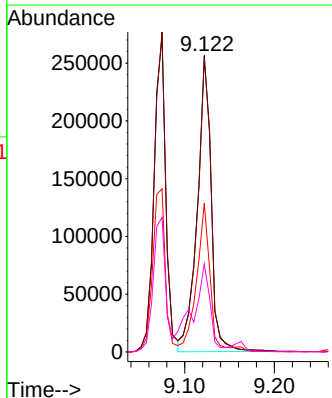
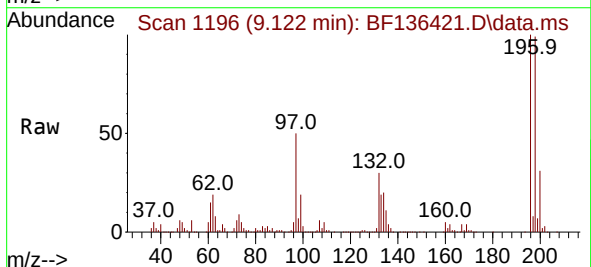


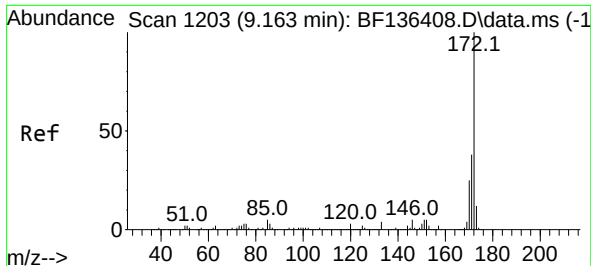
Tgt Ion:196 Resp: 248453  
Ion Ratio Lower Upper  
196 100  
198 101.5 80.4 120.6  
200 31.6 25.9 38.9



#44  
2,4,5-Trichlorophenol  
Concen: 43.834 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.012 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:196 Resp: 275521  
Ion Ratio Lower Upper  
196 100  
198 99.1 78.1 117.1  
97 50.2 43.4 65.2  
132 29.6 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 82.455 ng

RT: 9.163 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

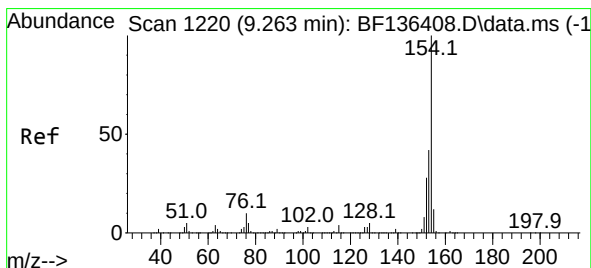
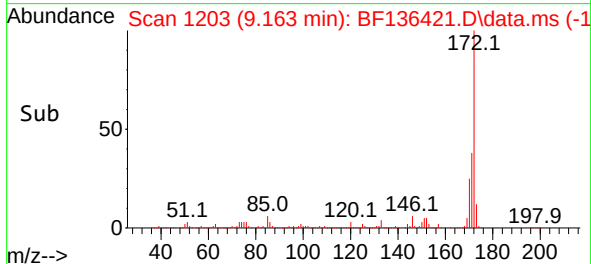
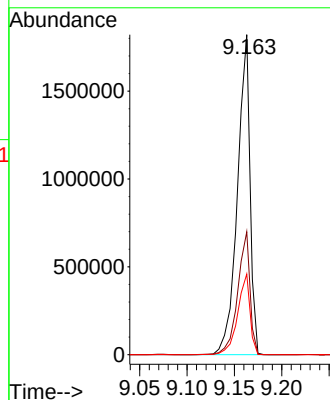
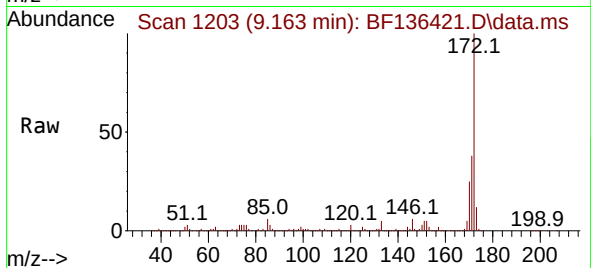
Tgt Ion:172 Resp: 1679963

Ion Ratio Lower Upper

172 100

171 38.4 30.5 45.7

170 25.2 19.9 29.9



#46

1,1'-Biphenyl

Concen: 43.500 ng

RT: 9.263 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

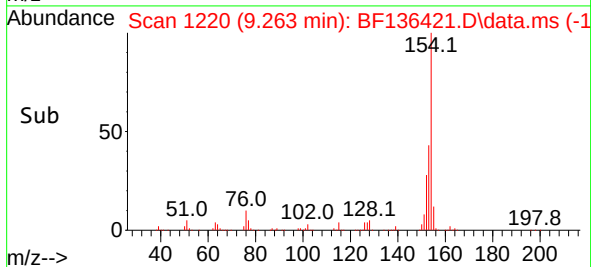
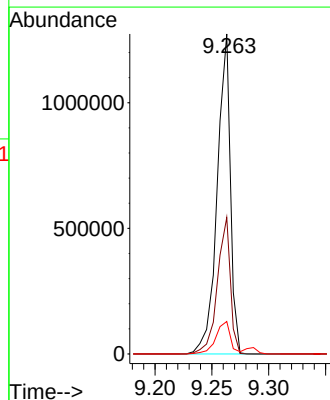
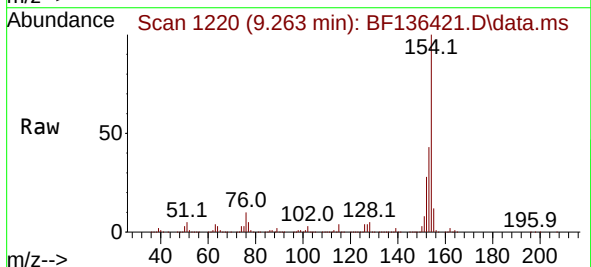
Tgt Ion:154 Resp: 1029007

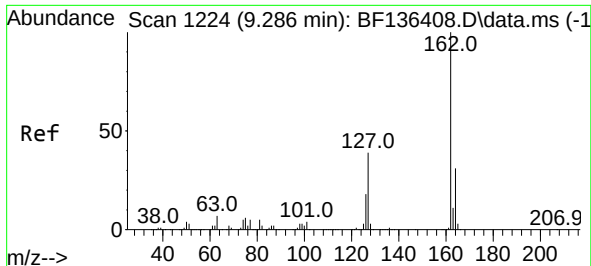
Ion Ratio Lower Upper

154 100

153 42.6 22.5 62.5

76 10.2 0.0 29.9

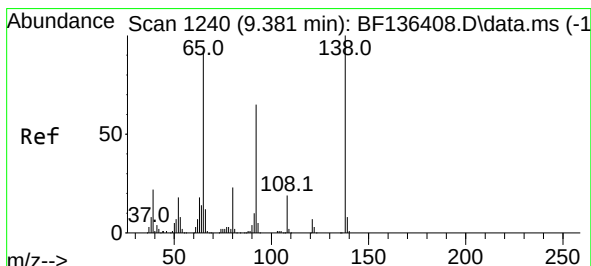
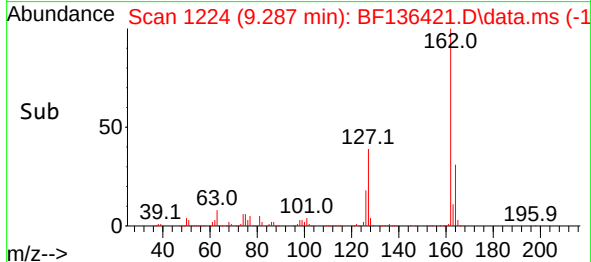
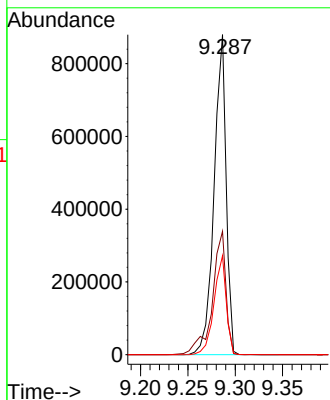
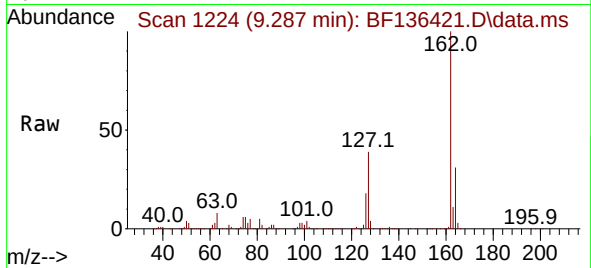




#47  
2-Chloronaphthalene  
Concen: 42.159 ng  
RT: 9.287 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

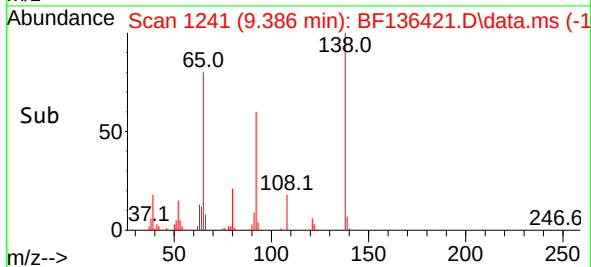
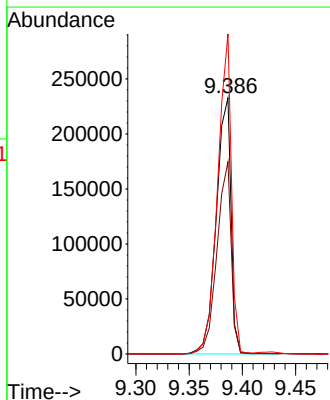
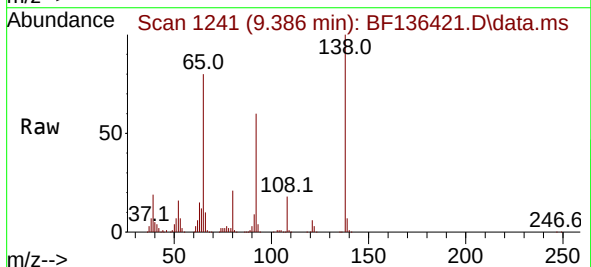
Instrument :  
BNA\_F  
ClientSampleId :

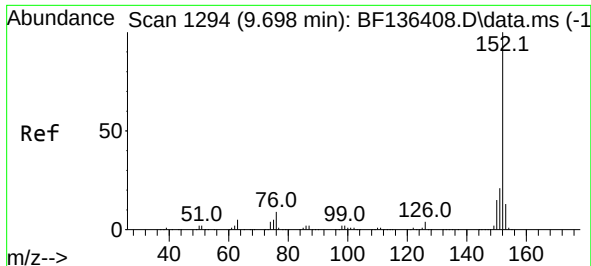
Tgt Ion:162 Resp: 776220  
Ion Ratio Lower Upper  
162 100  
127 38.6 31.1 46.7  
164 30.9 24.6 37.0



#48  
2-Nitroaniline  
Concen: 45.353 ng  
RT: 9.386 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion: 65 Resp: 223953  
Ion Ratio Lower Upper  
65 100  
92 75.0 56.1 84.1  
138 125.0 86.7 130.1





#49

Acenaphthylene

Concen: 44.904 ng

RT: 9.698 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

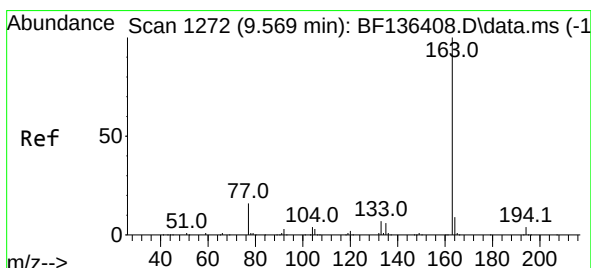
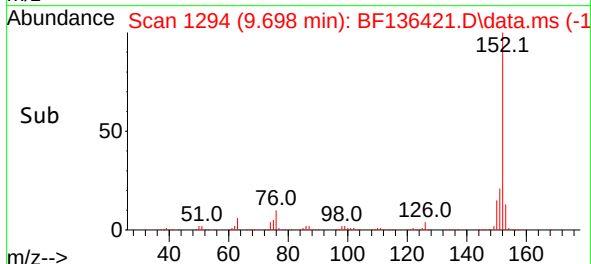
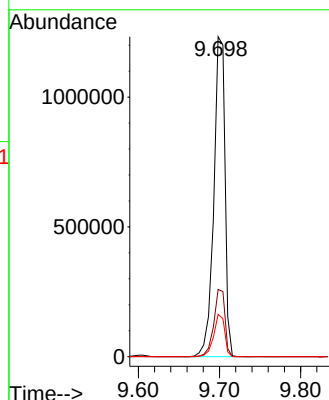
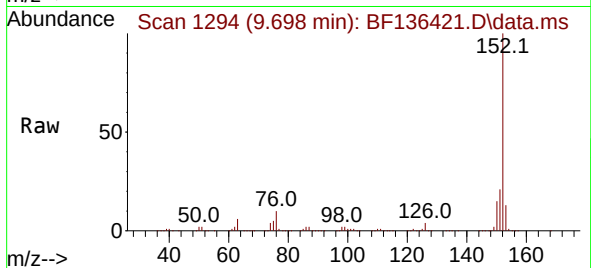
Tgt Ion:152 Resp: 1177720

Ion Ratio Lower Upper

152 100

151 21.0 17.2 25.8

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 44.424 ng

RT: 9.569 min Scan# 1272

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

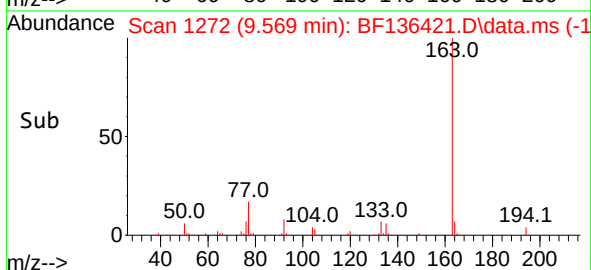
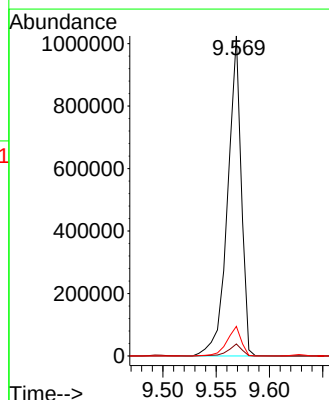
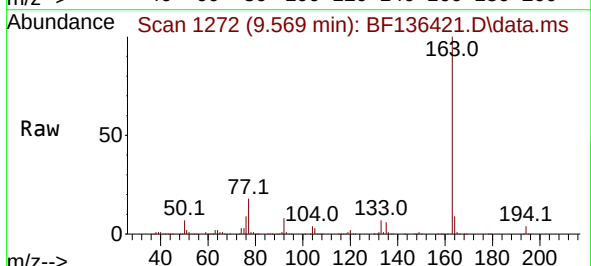
Tgt Ion:163 Resp: 909266

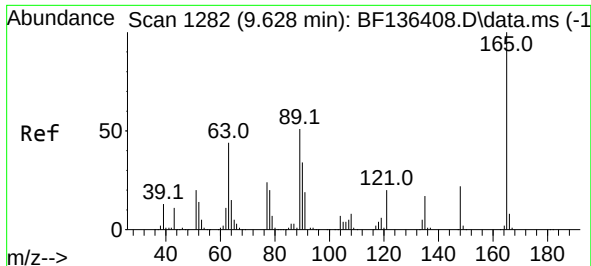
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 9.3 7.4 11.2





#51

2,6-Dinitrotoluene

Concen: 44.064 ng

RT: 9.628 min Scan# 1

Delta R.T. 0.000 min

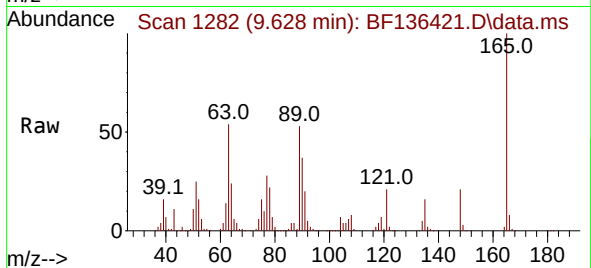
Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :



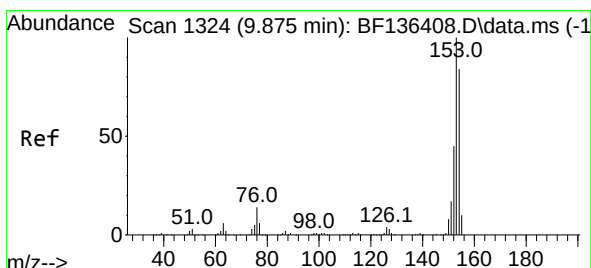
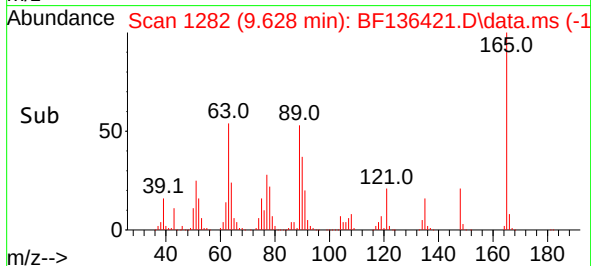
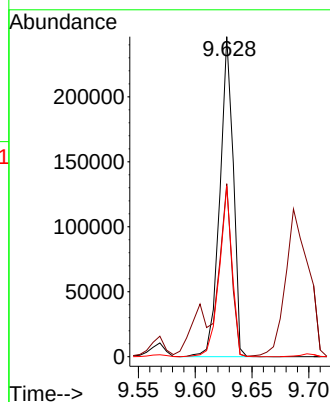
Tgt Ion:165 Resp: 202900

Ion Ratio Lower Upper

165 100

63 54.0 40.4 60.6

89 53.2 40.6 60.8



#52

Acenaphthene

Concen: 43.257 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

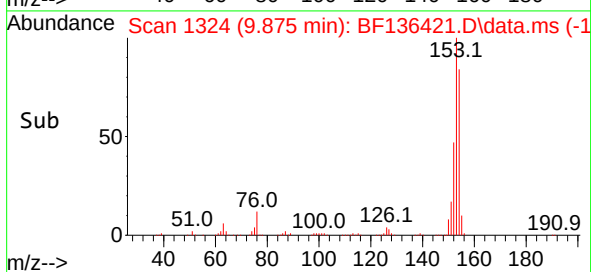
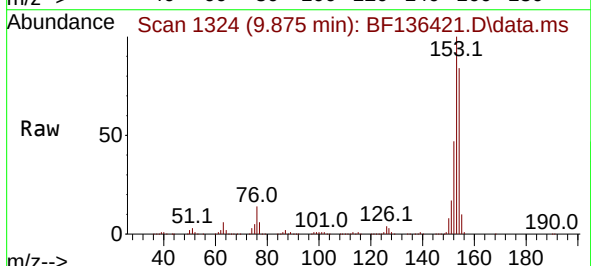
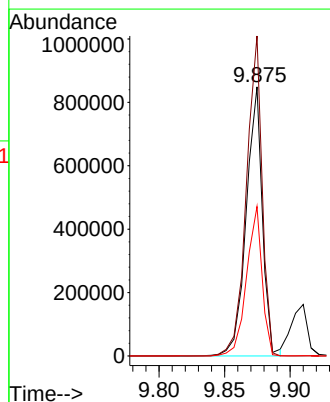
Tgt Ion:154 Resp: 727020

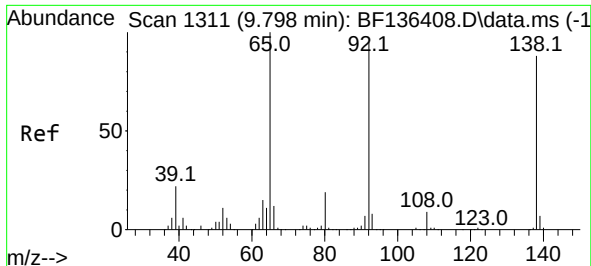
Ion Ratio Lower Upper

154 100

153 118.9 95.3 142.9

152 55.5 43.2 64.8

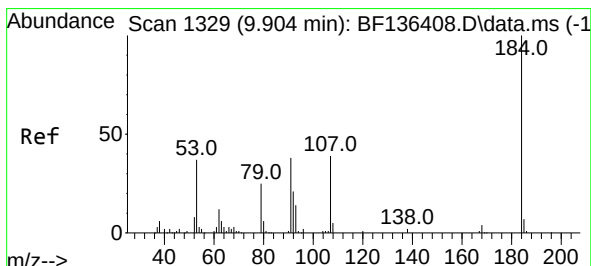
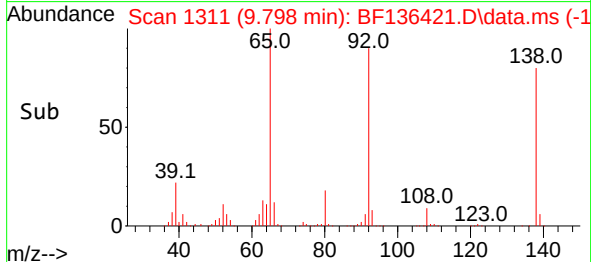
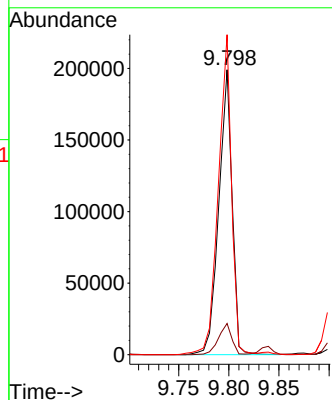
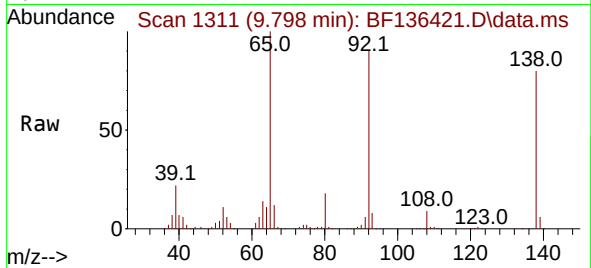




#53  
3-Nitroaniline  
Concen: 39.093 ng  
RT: 9.798 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

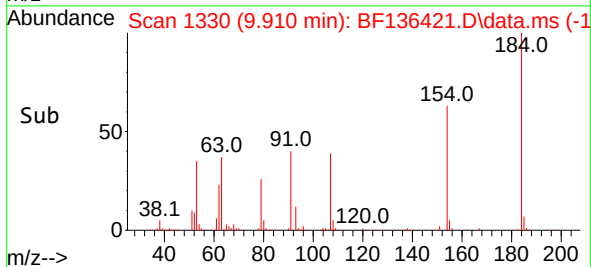
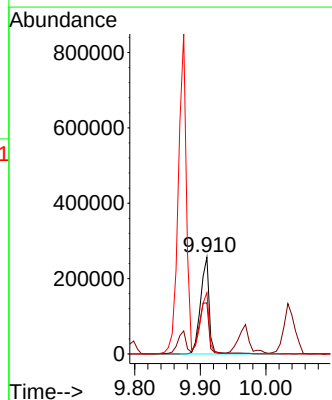
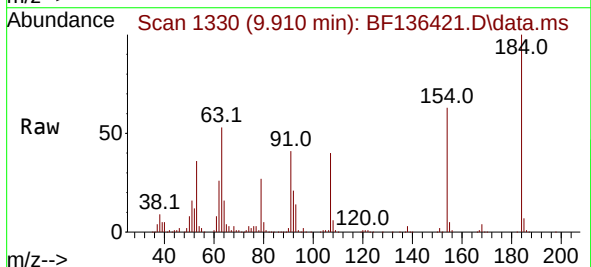
Instrument :  
BNA\_F  
ClientSampleId :

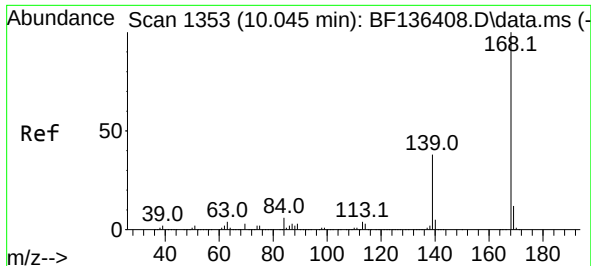
Tgt Ion:138 Resp: 183820  
Ion Ratio Lower Upper  
138 100  
108 11.0 8.5 12.7  
92 112.3 86.1 129.1



#54  
2,4-Dinitrophenol  
Concen: 102.491 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:184 Resp: 238610  
Ion Ratio Lower Upper  
184 100  
63 52.8 39.1 58.7  
154 63.5 49.9 74.9

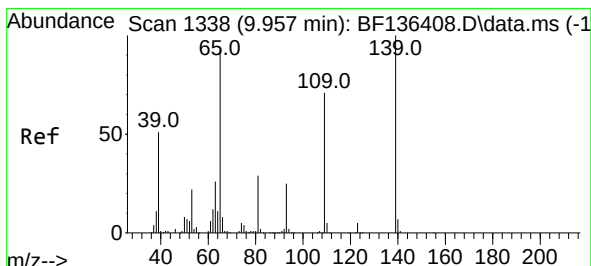
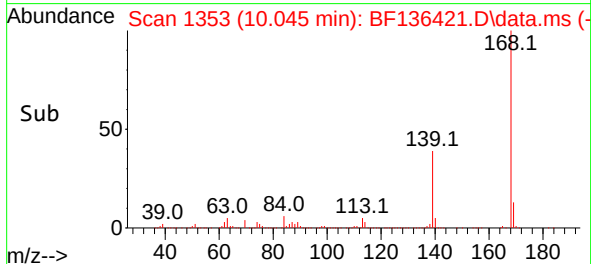
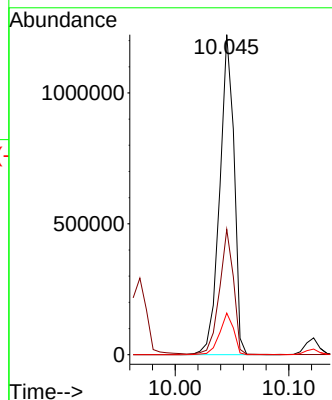
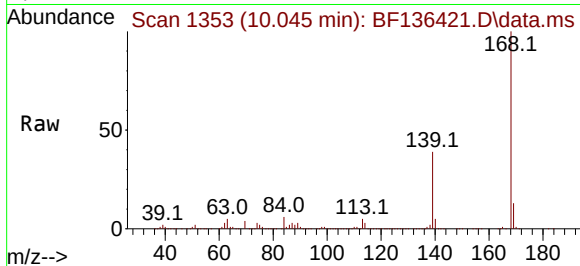




#55  
Dibenzenofuran  
Concen: 43.742 ng  
RT: 10.045 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

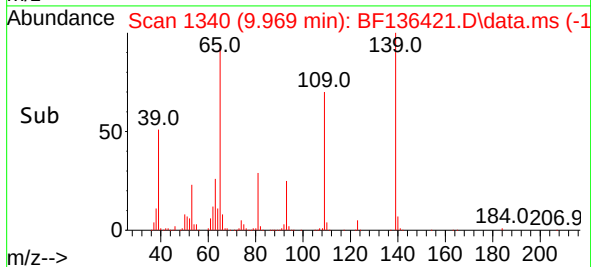
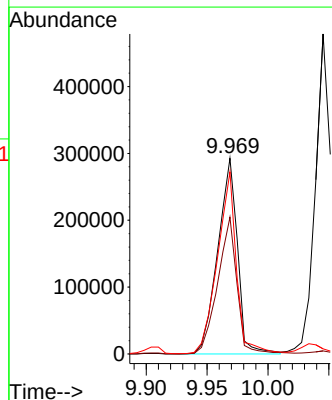
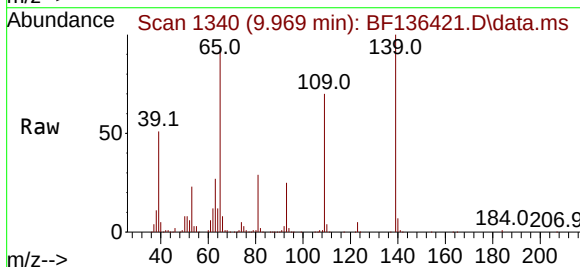
Instrument :  
BNA\_F  
ClientSampleId :

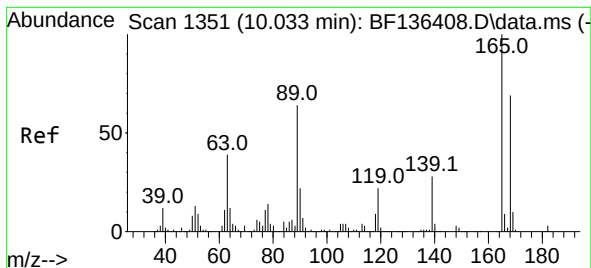
Tgt Ion:168 Resp: 1074002  
Ion Ratio Lower Upper  
168 100  
139 39.2 30.4 45.6  
169 13.0 9.9 14.9



#56  
4-Nitrophenol  
Concen: 93.599 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.012 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

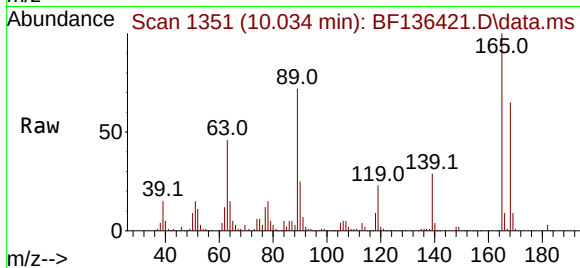
Tgt Ion:139 Resp: 329932  
Ion Ratio Lower Upper  
139 100  
109 70.0 50.6 90.6  
65 93.0 73.1 113.1



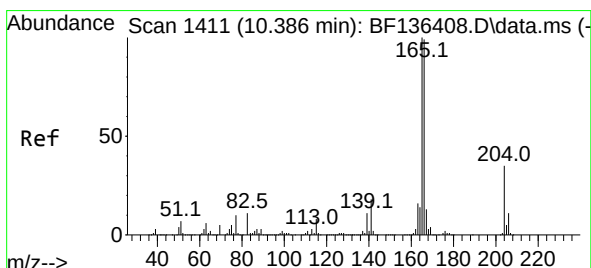
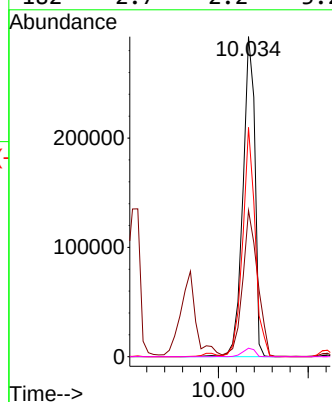
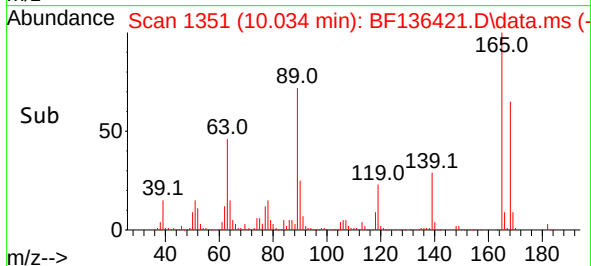


#57  
2,4-Dinitrotoluene  
Concen: 44.517 ng  
RT: 10.034 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

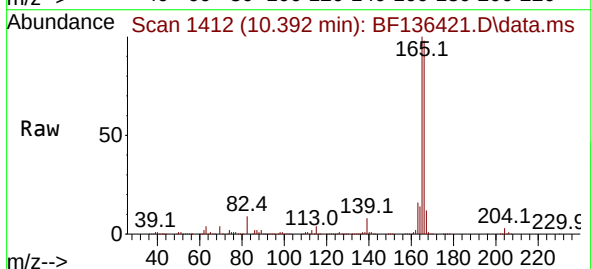
Instrument :  
BNA\_F  
ClientSampleId :



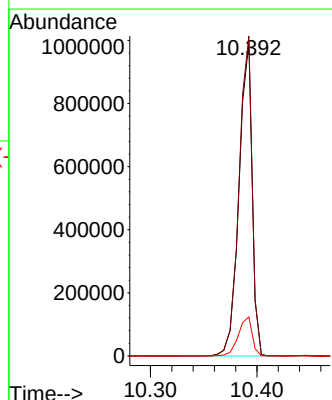
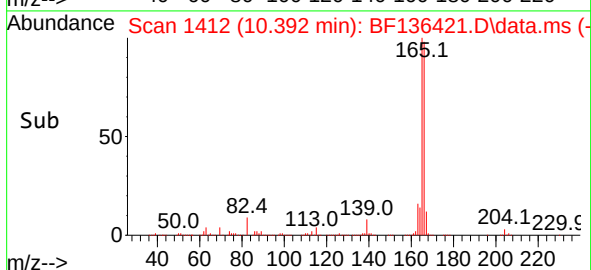
Tgt Ion:165 Resp: 271170  
Ion Ratio Lower Upper  
165 100  
63 45.7 31.4 47.2  
89 71.6 51.7 77.5  
182 2.7 2.2 3.2



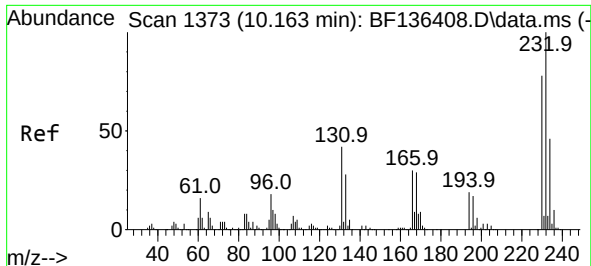
#58  
Fluorene  
Concen: 43.364 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09



Tgt Ion:166 Resp: 854676  
Ion Ratio Lower Upper  
166 100  
165 102.3 80.5 120.7  
167 12.5 10.5 15.7

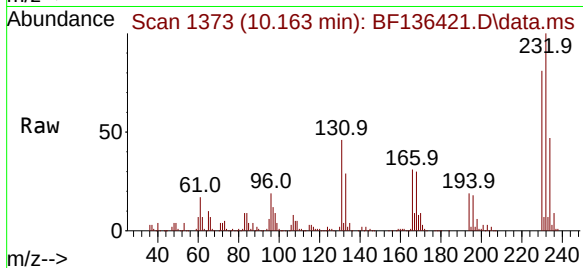




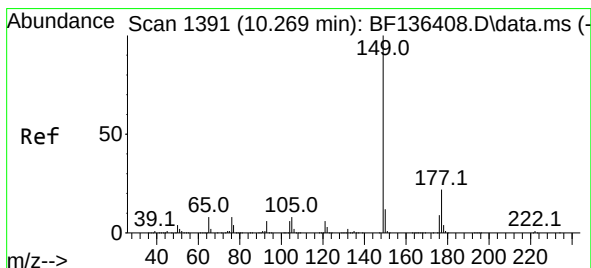
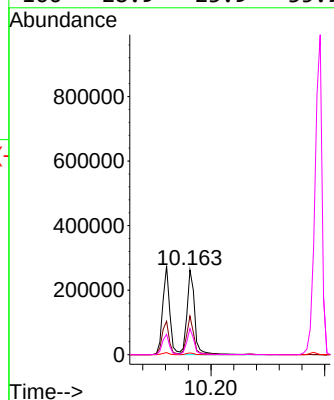


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.510 ng  
RT: 10.163 min Scan# 1373  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :

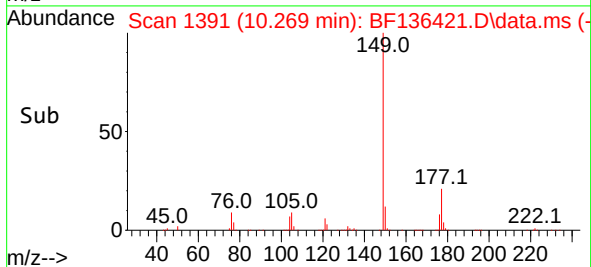
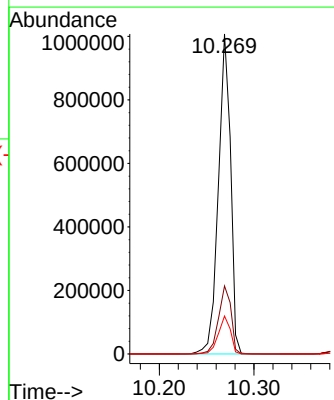
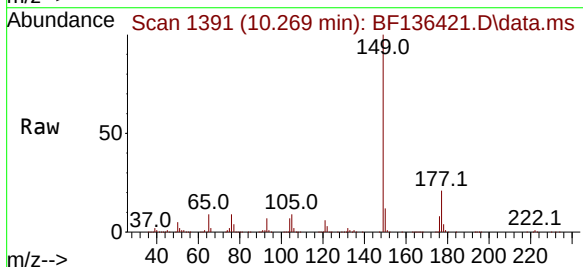


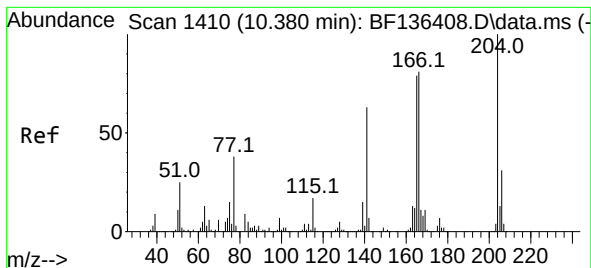
Tgt Ion:232 Resp: 244238  
Ion Ratio Lower Upper  
232 100  
131 42.0 34.3 51.5  
130 2.1 1.6 2.4  
166 28.9 23.9 35.9



#60  
Diethylphthalate  
Concen: 44.571 ng  
RT: 10.269 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:149 Resp: 897066  
Ion Ratio Lower Upper  
149 100  
177 21.3 17.8 26.8  
150 11.8 9.4 14.0

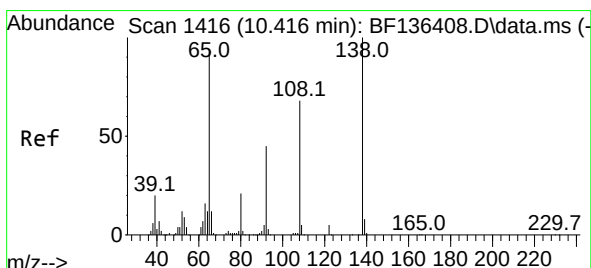
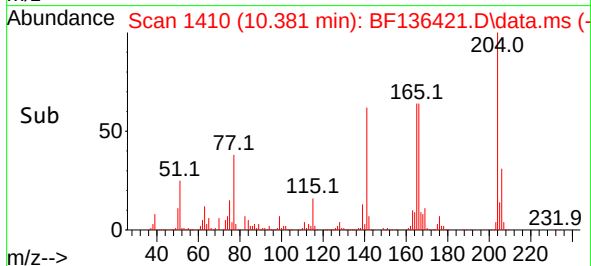
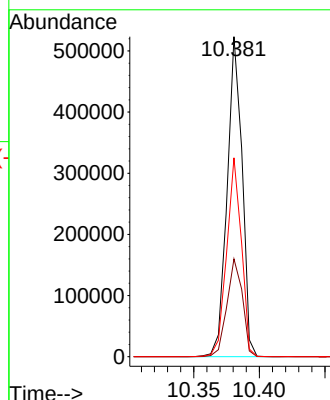
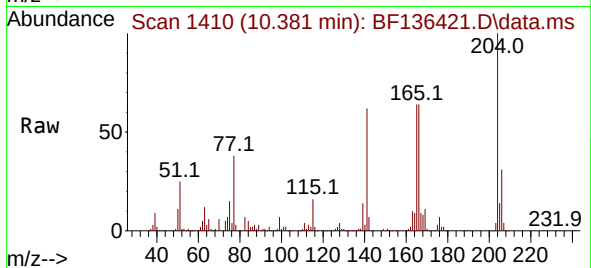




#61  
4-Chlorophenyl-phenylether  
Concen: 42.970 ng  
RT: 10.381 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

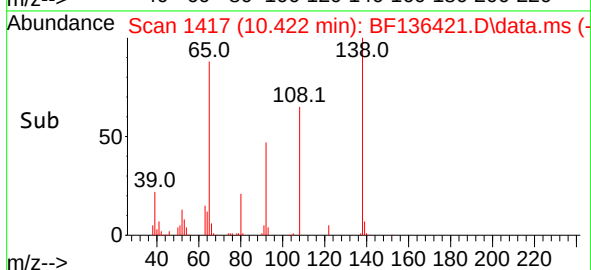
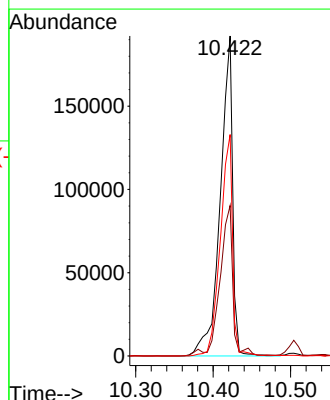
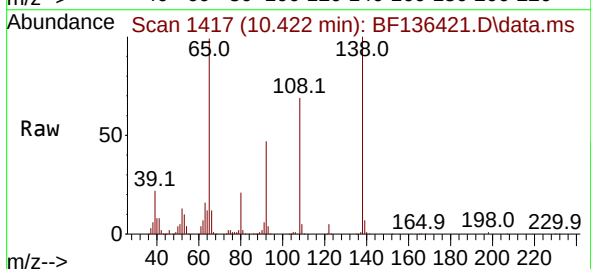
Instrument :  
BNA\_F  
ClientSampleId :

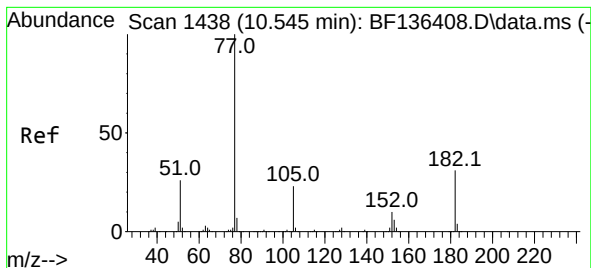
Tgt Ion:204 Resp: 412867  
Ion Ratio Lower Upper  
204 100  
206 30.5 24.6 36.8  
141 62.1 50.3 75.5



#62  
4-Nitroaniline  
Concen: 45.594 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:138 Resp: 212879  
Ion Ratio Lower Upper  
138 100  
92 47.0 25.0 65.0  
108 69.2 47.9 87.9

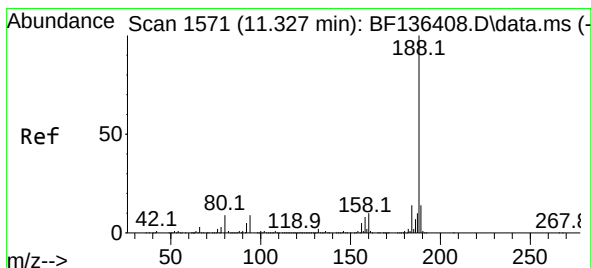
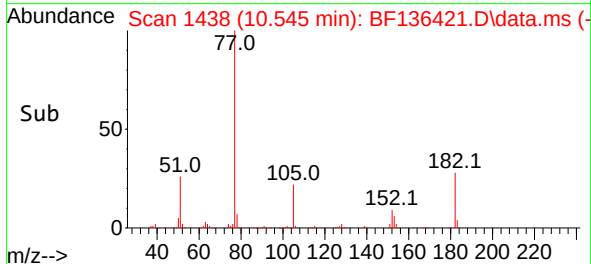
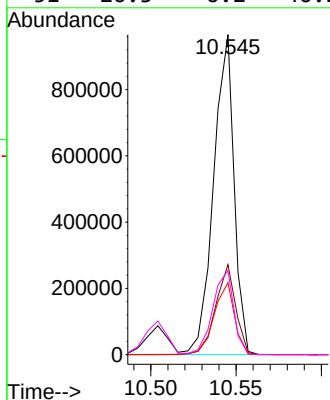
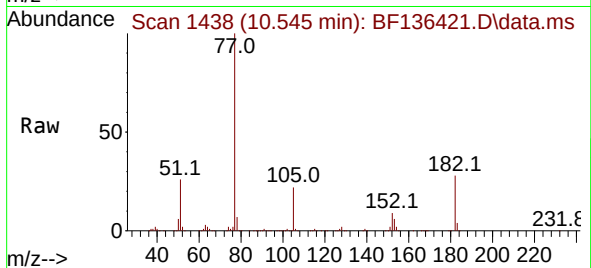




#63  
 Azobenzene  
 Concen: 44.084 ng  
 RT: 10.545 min Scan# 1438  
 Delta R.T. 0.000 min  
 Lab File: BF136421.D  
 Acq: 06 Dec 2023 11:09

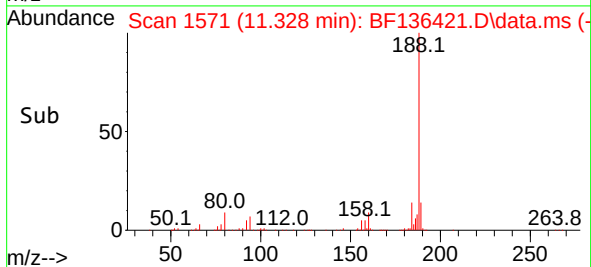
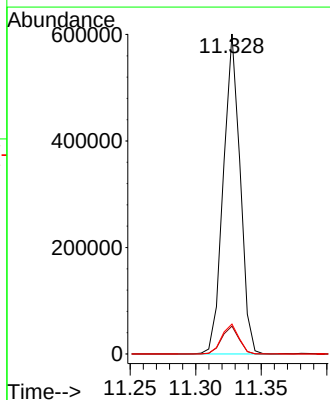
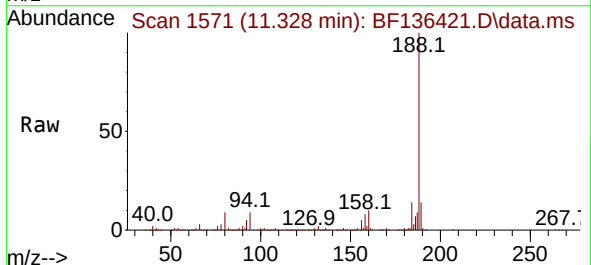
Instrument :  
 BNA\_F  
 ClientSampleId :

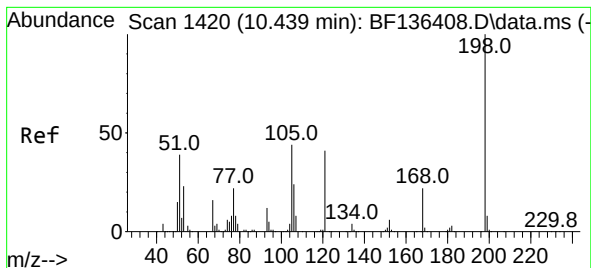
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 807594 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 28.2  | 10.8  | 50.8   |
| 105      | 22.5  | 2.6   | 42.6   |
| 51       | 26.3  | 6.2   | 46.2   |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.328 min Scan# 1571  
 Delta R.T. 0.000 min  
 Lab File: BF136421.D  
 Acq: 06 Dec 2023 11:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 533458 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.7   | 7.2   | 10.8   |
| 80       | 9.4   | 7.2   | 10.8   |

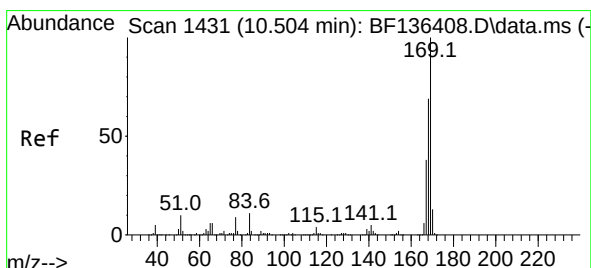
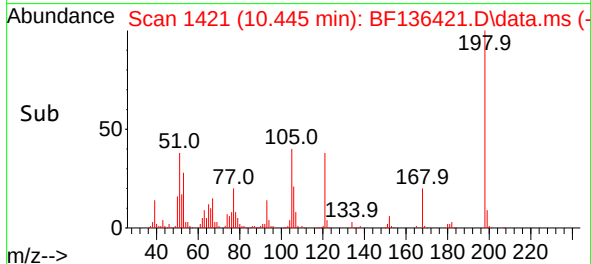
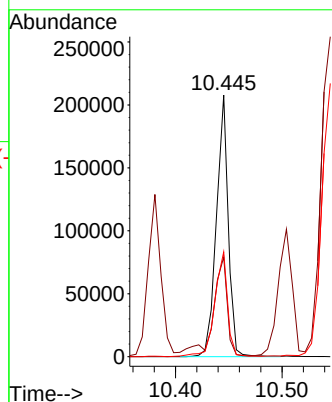
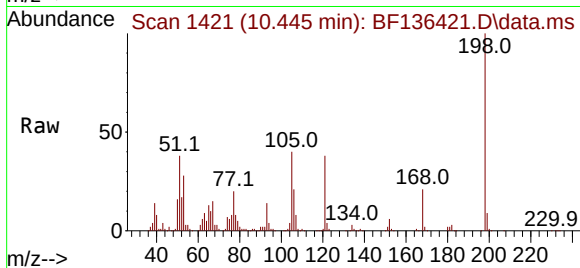




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.562 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

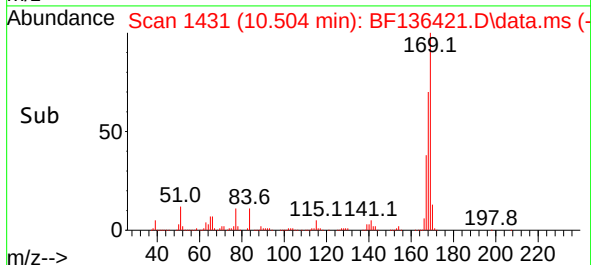
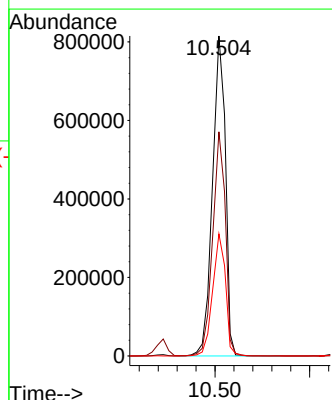
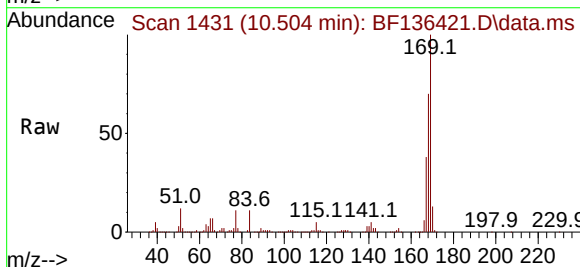
Instrument :  
BNA\_F  
ClientSampleId :

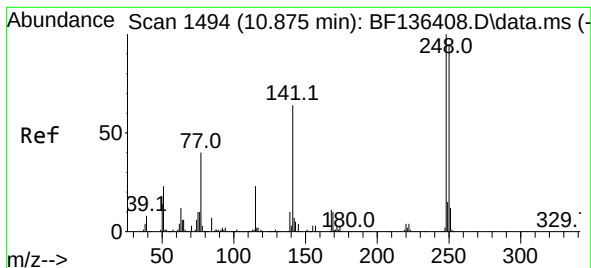
Tgt Ion:198 Resp: 160437  
Ion Ratio Lower Upper  
198 100  
51 38.1 24.1 64.1  
105 40.1 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 44.926 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:169 Resp: 769020  
Ion Ratio Lower Upper  
169 100  
168 70.1 55.3 82.9  
167 38.2 30.1 45.1

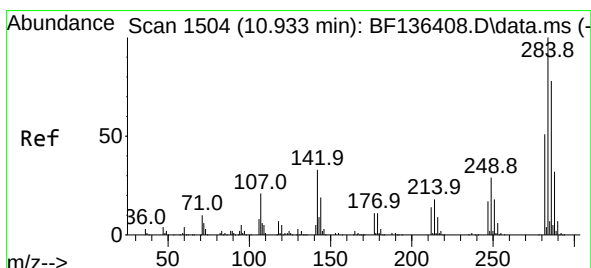
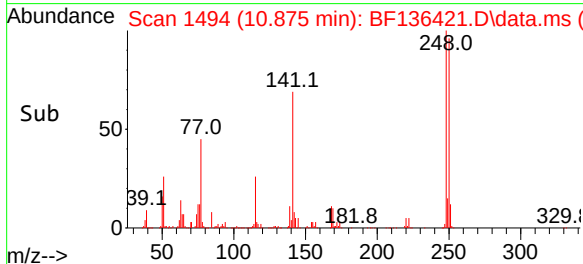
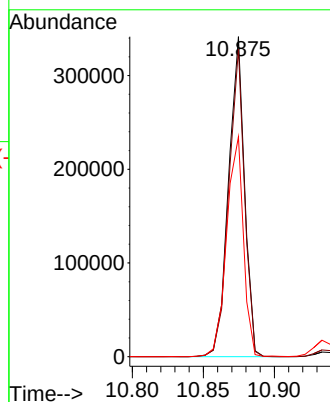
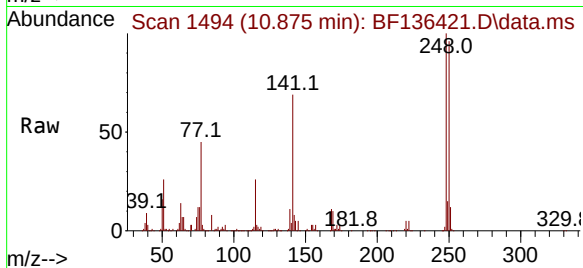




#67  
4-Bromophenyl-phenylether  
Concen: 43.224 ng  
RT: 10.875 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

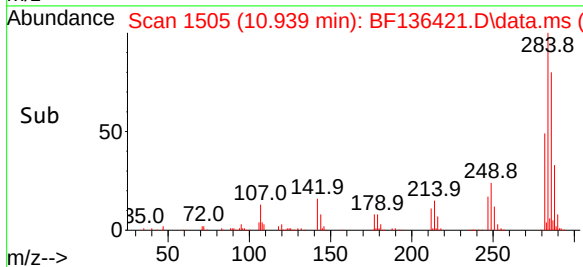
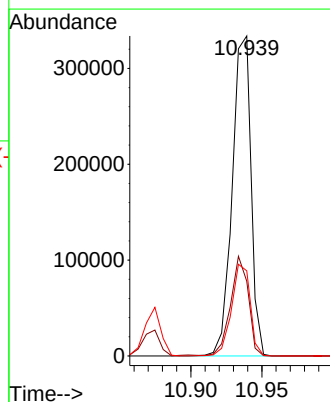
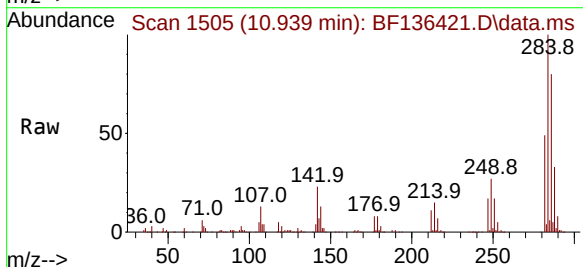
Instrument :  
BNA\_F  
ClientSampleId :

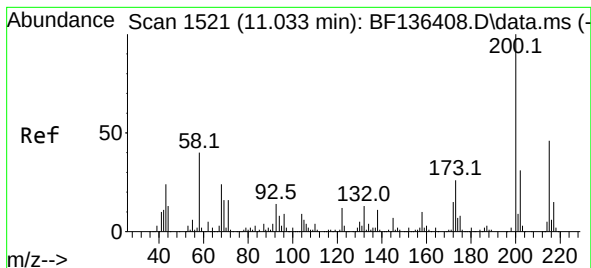
Tgt Ion:248 Resp: 268087  
Ion Ratio Lower Upper  
248 100  
250 96.1 76.2 114.2  
141 68.7 51.0 76.4



#68  
Hexachlorobenzene  
Concen: 42.911 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:284 Resp: 307609  
Ion Ratio Lower Upper  
284 100  
142 23.3 26.5 39.7#  
249 26.6 23.4 35.0





#69

Atrazine

Concen: 36.661 ng

RT: 11.033 min Scan# 1521

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

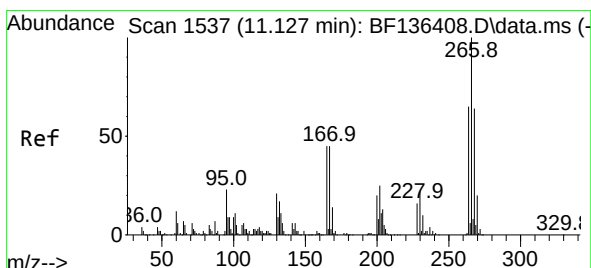
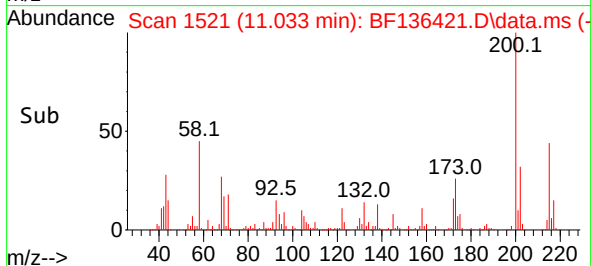
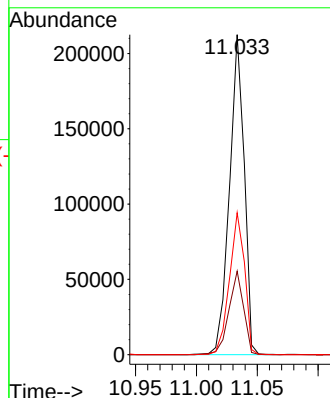
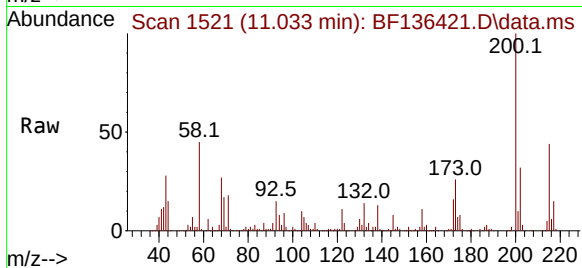
Tgt Ion:200 Resp: 179113

Ion Ratio Lower Upper

200 100

173 26.1 6.0 46.0

215 44.3 25.5 65.5



#70

Pentachlorophenol

Concen: 82.924 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

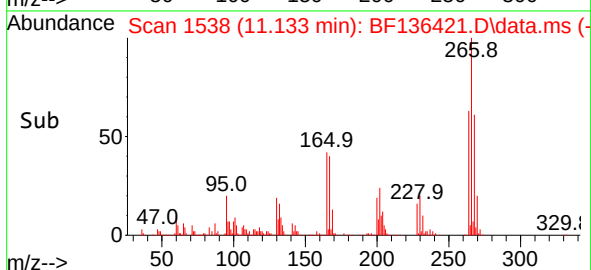
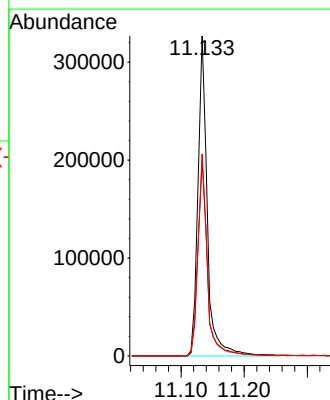
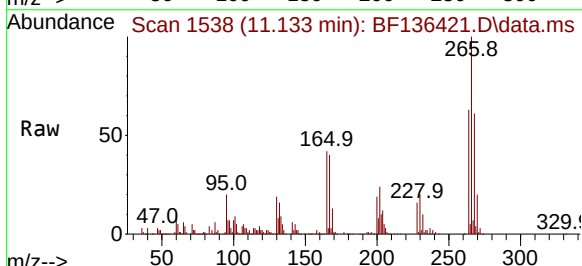
Tgt Ion:266 Resp: 335490

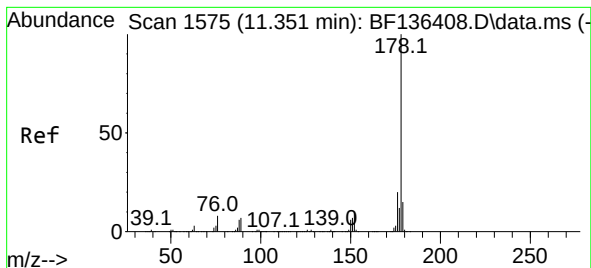
Ion Ratio Lower Upper

266 100

268 61.0 51.0 76.6

264 63.1 52.2 78.4





#71

Phenanthrene

Concen: 45.459 ng

RT: 11.357 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

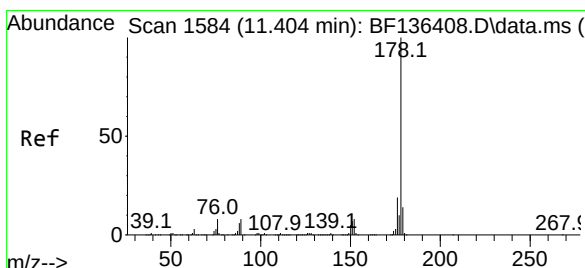
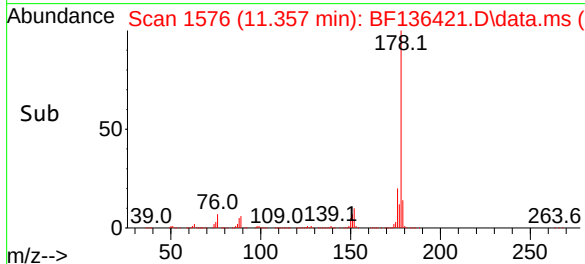
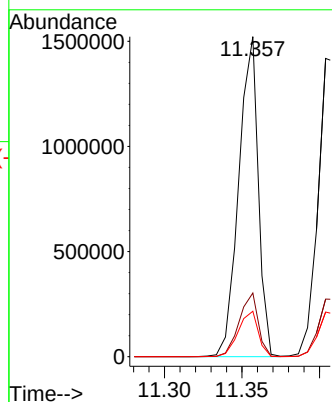
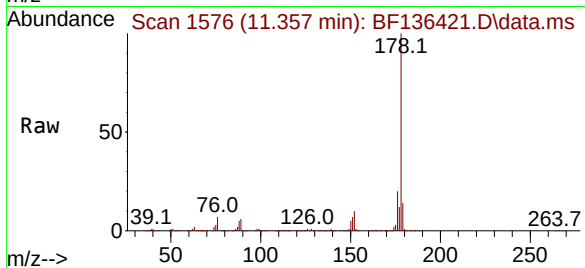
Tgt Ion:178 Resp: 1332918

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

179 14.2 11.8 17.6



#72

Anthracene

Concen: 45.388 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

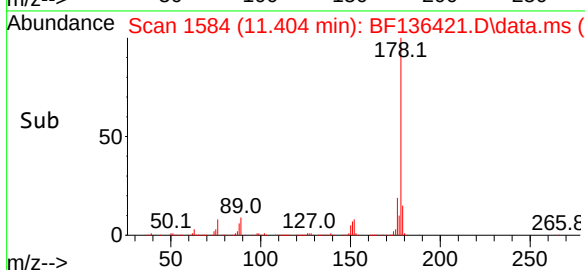
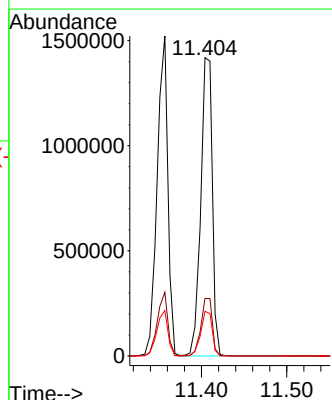
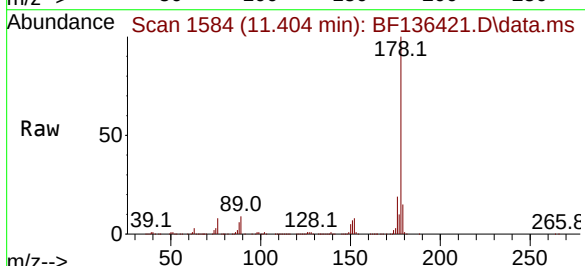
Tgt Ion:178 Resp: 1340431

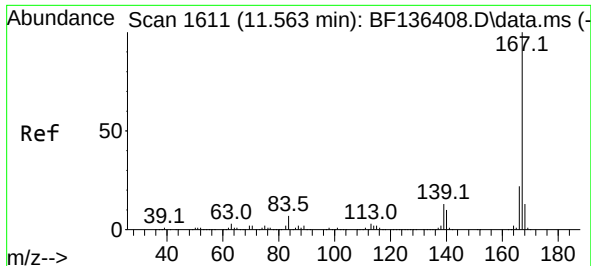
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.0 11.4 17.0



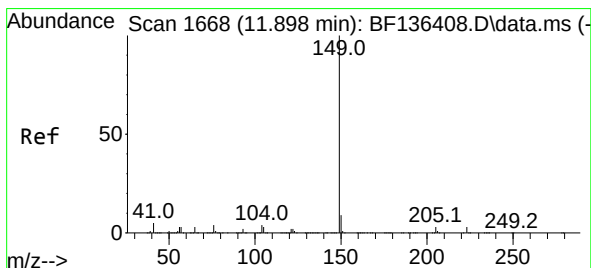
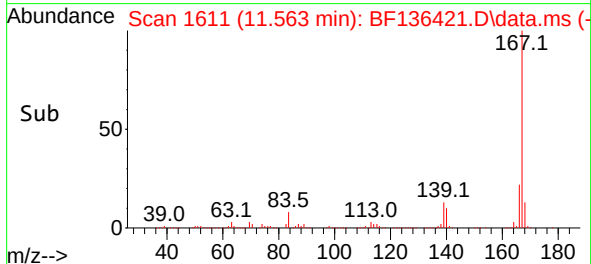
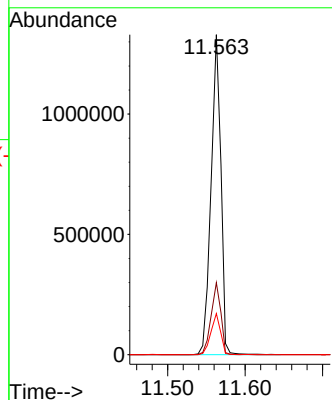
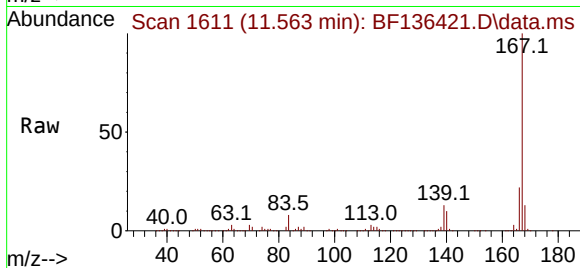


#73  
 Carbazole  
 Concen: 44.785 ng  
 RT: 11.563 min Scan# 1611  
 Delta R.T. 0.000 min  
 Lab File: BF136421.D  
 Acq: 06 Dec 2023 11:09

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:167 Resp: 1170619  

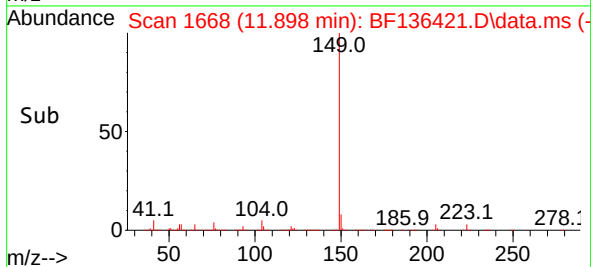
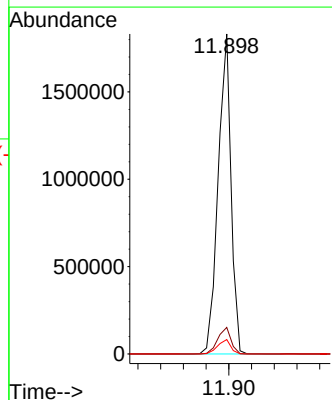
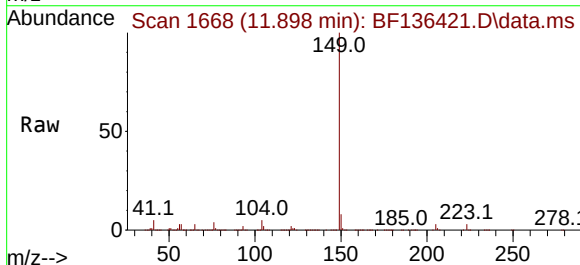
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.5  | 18.0  | 27.0  |
| 139 | 12.8  | 10.2  | 15.4  |



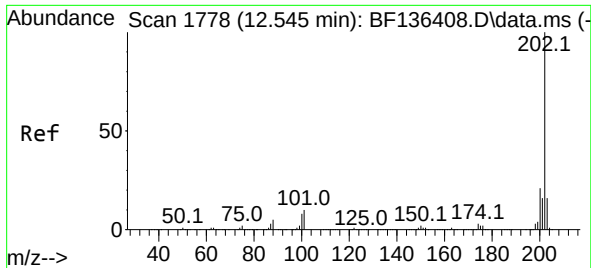
#74  
 Di-n-butylphthalate  
 Concen: 44.925 ng  
 RT: 11.898 min Scan# 1668  
 Delta R.T. 0.000 min  
 Lab File: BF136421.D  
 Acq: 06 Dec 2023 11:09

Tgt Ion:149 Resp: 1439565  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 8.3   | 6.9   | 10.3  |
| 104 | 4.5   | 3.5   | 5.3   |



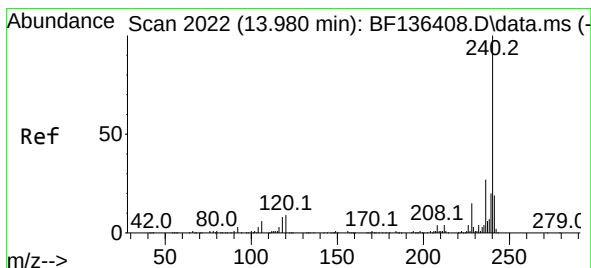
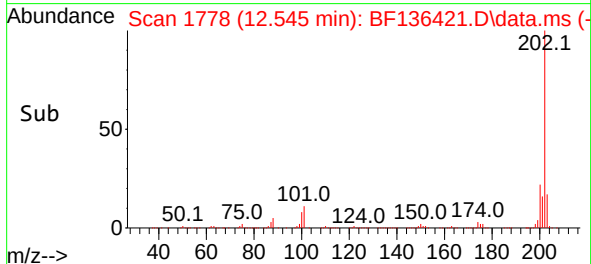
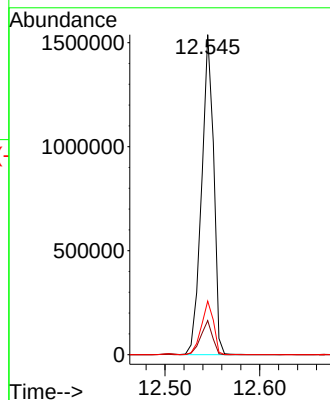
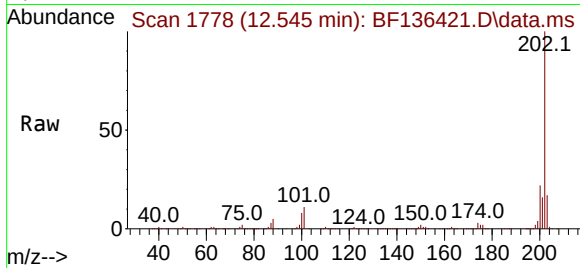




#75  
Fluoranthene  
Concen: 44.434 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

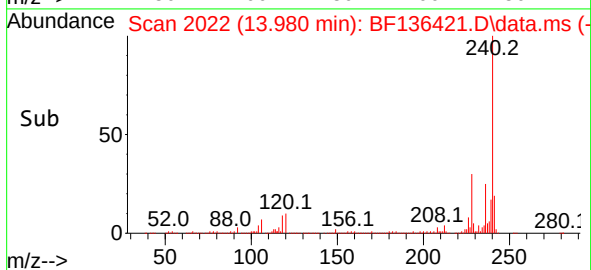
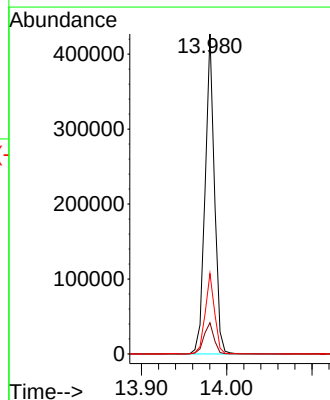
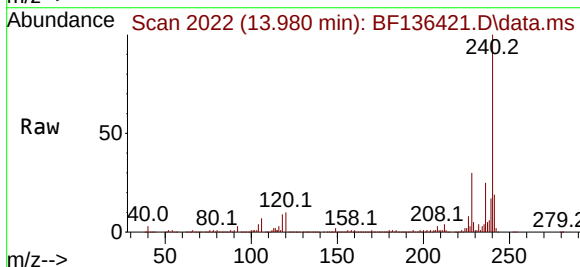
Instrument :  
BNA\_F  
ClientSampleId :

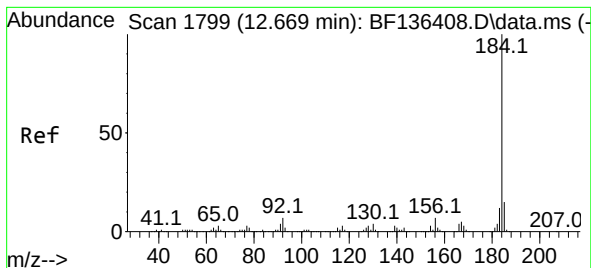
Tgt Ion:202 Resp: 1365316  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 29.9  
203 16.8 0.0 36.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:240 Resp: 325426  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.3 10.9  
236 25.1 21.3 31.9





#77

Benzidine

Concen: 33.611 ng

RT: 12.669 min Scan# 1799

Delta R.T. -0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

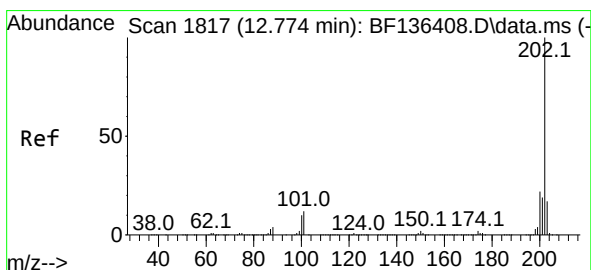
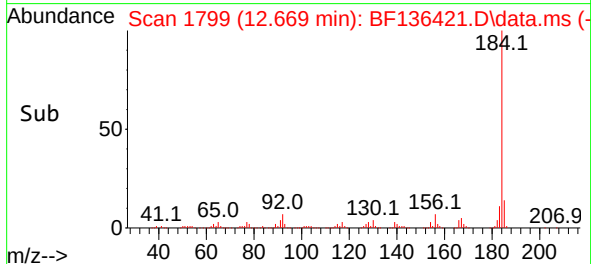
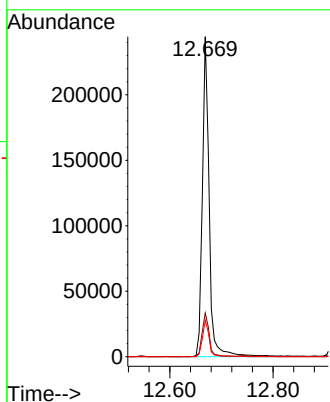
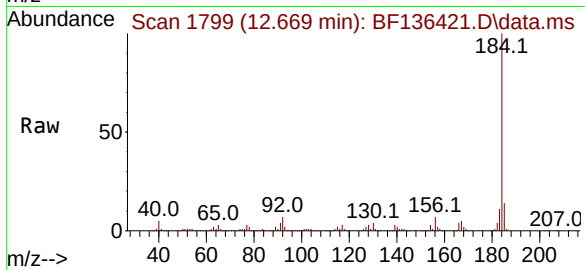
Tgt Ion:184 Resp: 222823

Ion Ratio Lower Upper

184 100

185 13.6 12.0 18.0

183 11.5 9.4 14.0



#78

Pyrene

Concen: 43.295 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

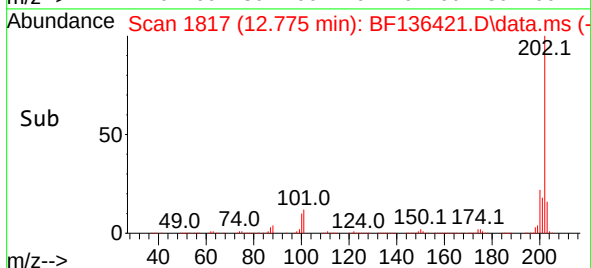
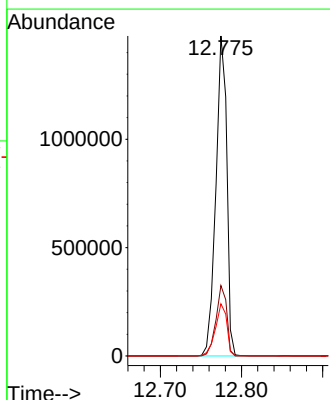
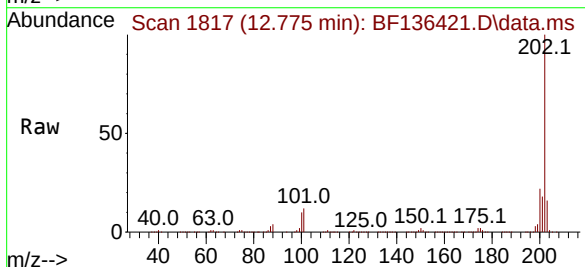
Tgt Ion:202 Resp: 1379848

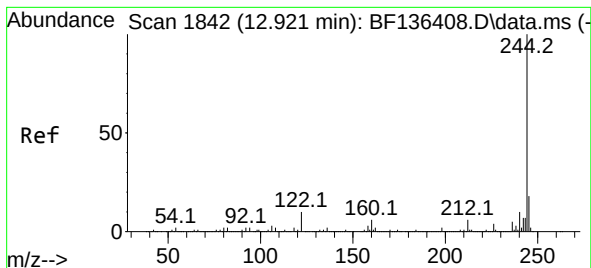
Ion Ratio Lower Upper

202 100

200 22.0 18.0 27.0

203 16.3 13.5 20.3





#79

Terphenyl-d14

Concen: 84.469 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.000 min

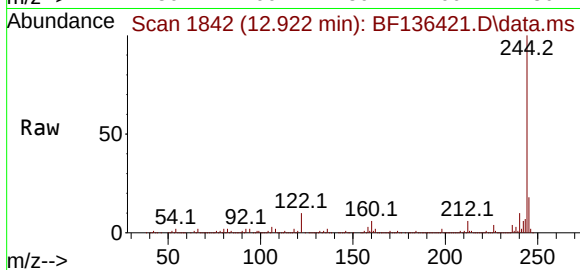
Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :



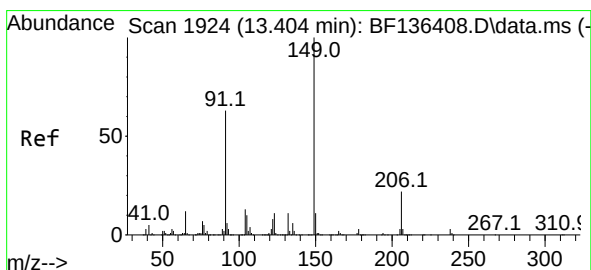
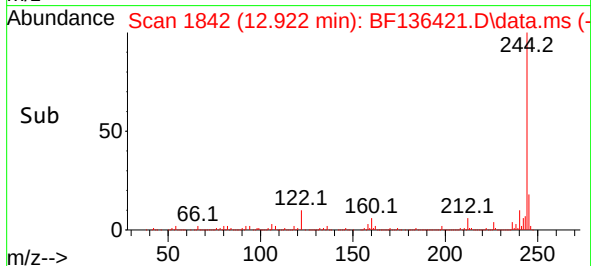
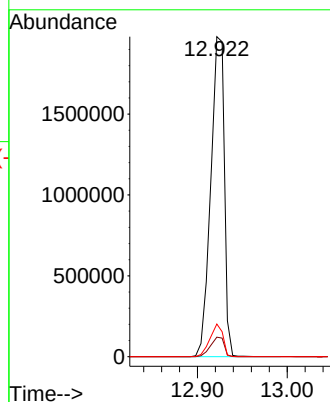
Tgt Ion:244 Resp: 2085555

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.2 8.3 12.5



#80

Butylbenzylphthalate

Concen: 47.613 ng

RT: 13.404 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

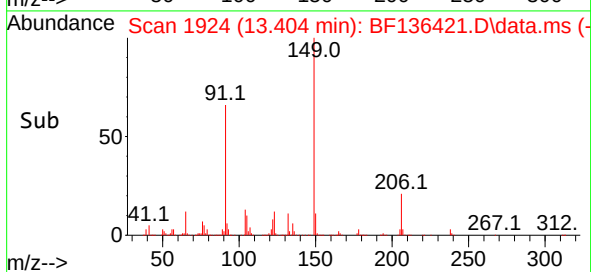
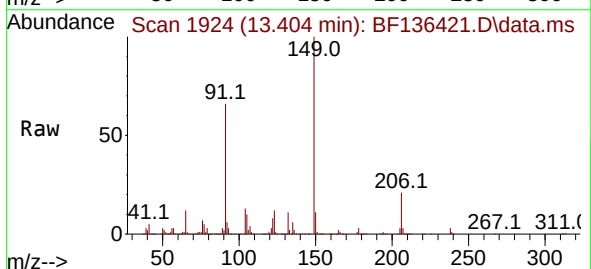
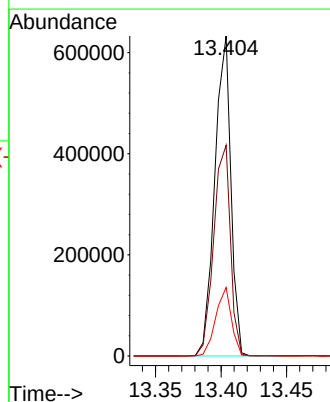
Tgt Ion:149 Resp: 540190

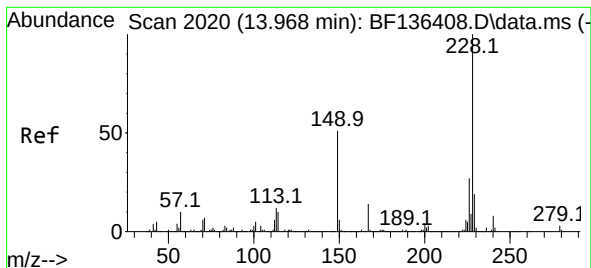
Ion Ratio Lower Upper

149 100

91 65.9 50.5 75.7

206 21.4 17.4 26.2





#81

Benzo(a)anthracene

Concen: 44.523 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

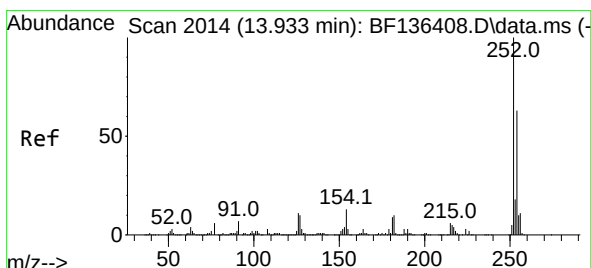
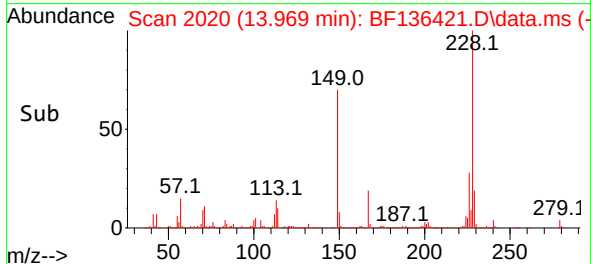
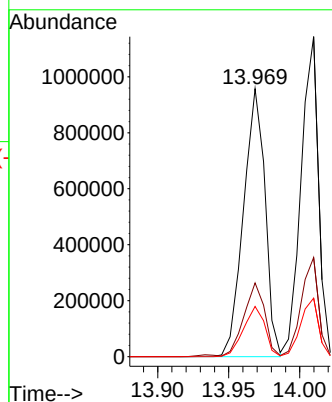
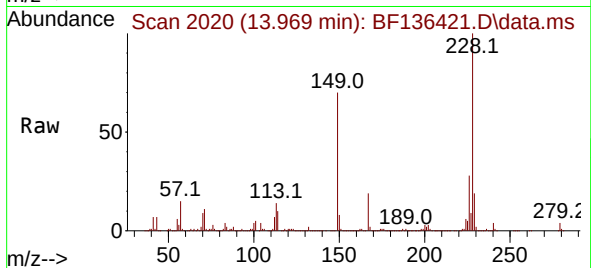
Tgt Ion:228 Resp: 1009251

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 18.7 15.0 22.4



#82

3,3'-Dichlorobenzidine

Concen: 51.548 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

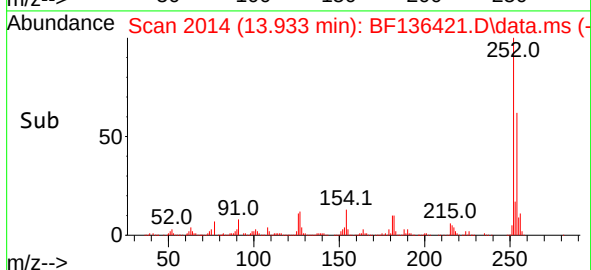
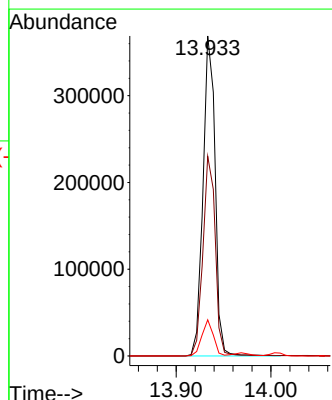
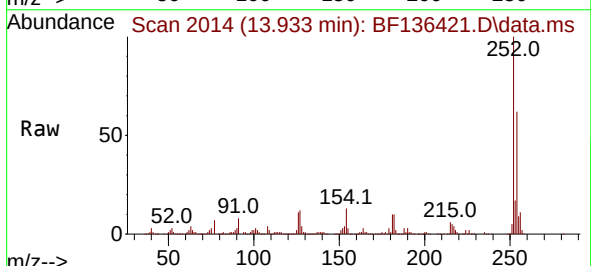
Tgt Ion:252 Resp: 327621

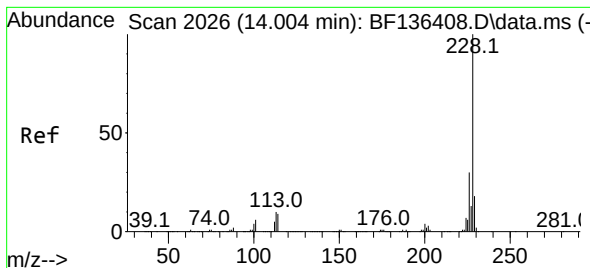
Ion Ratio Lower Upper

252 100

254 62.4 50.8 76.2

126 11.3 8.6 12.8





#83

Chrysene

Concen: 44.083 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

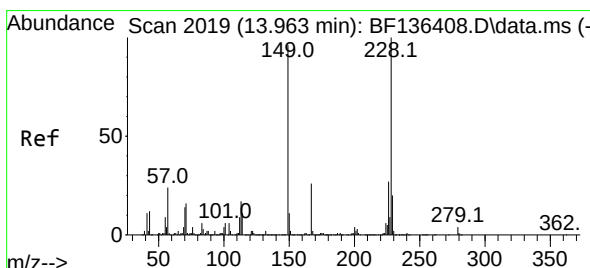
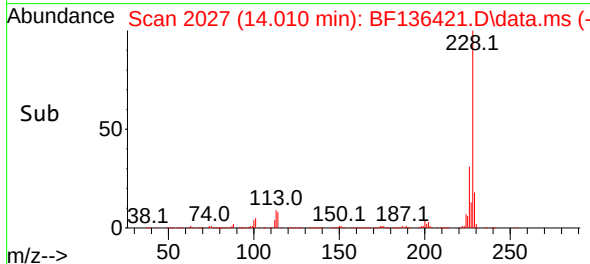
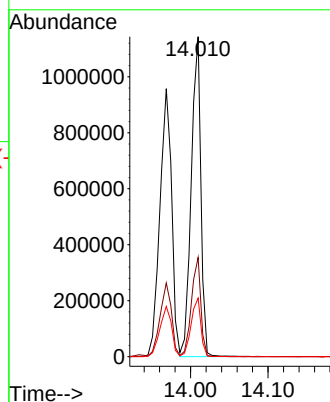
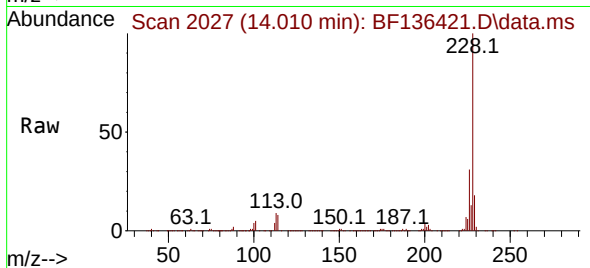
Tgt Ion:228 Resp: 983151

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

229 18.3 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.130 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

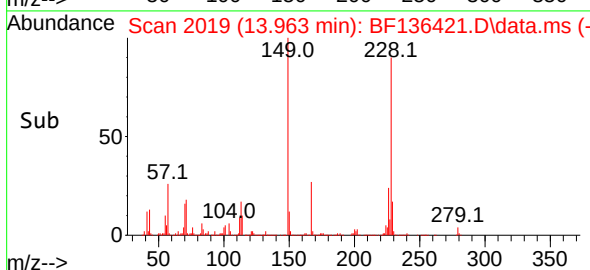
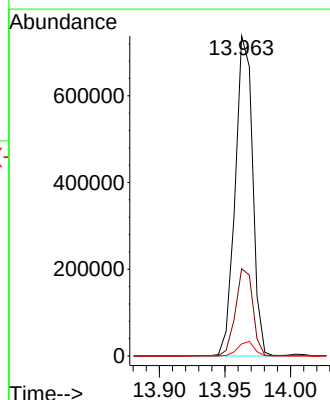
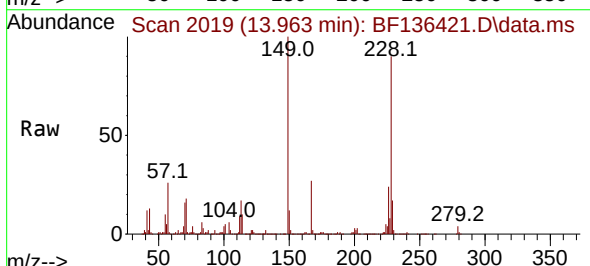
Tgt Ion:149 Resp: 683320

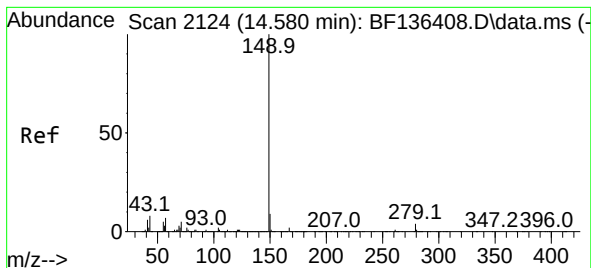
Ion Ratio Lower Upper

149 100

167 27.3 21.2 31.8

279 3.7 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 51.115 ng

RT: 14.580 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

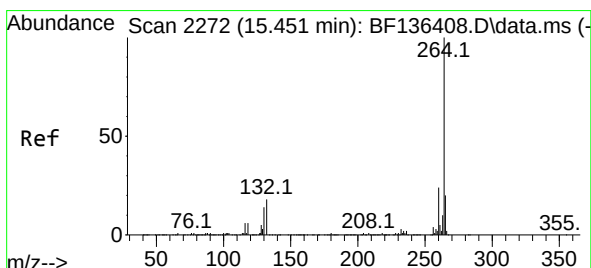
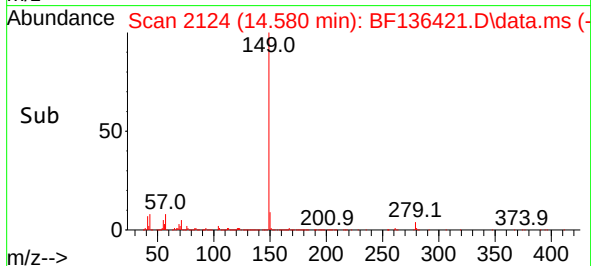
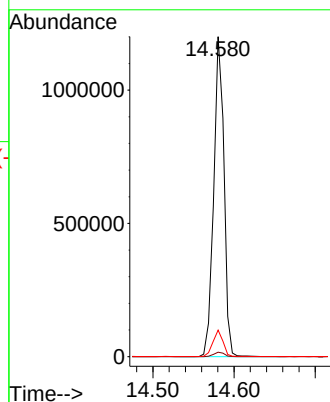
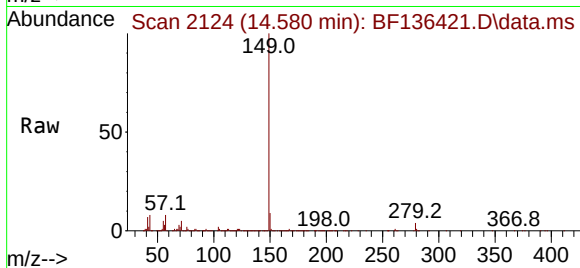
Tgt Ion:149 Resp: 1050123

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.2 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

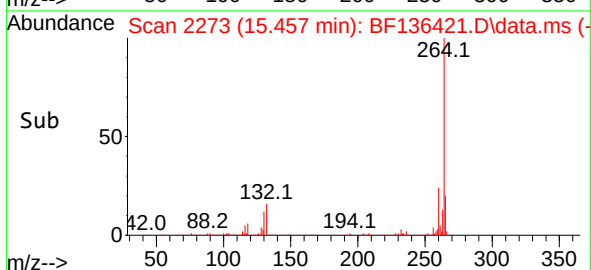
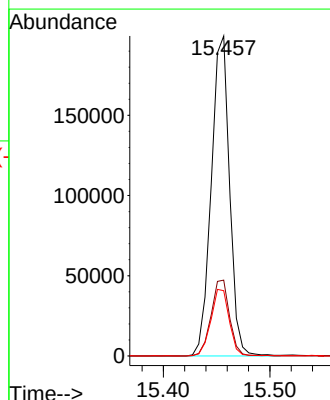
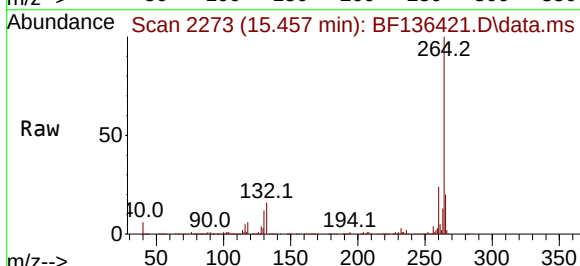
Tgt Ion:264 Resp: 237651

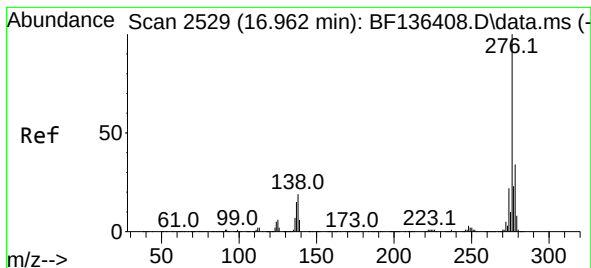
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.4 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.189 ng

RT: 16.962 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

Instrument :

BNA\_F

ClientSampleId :

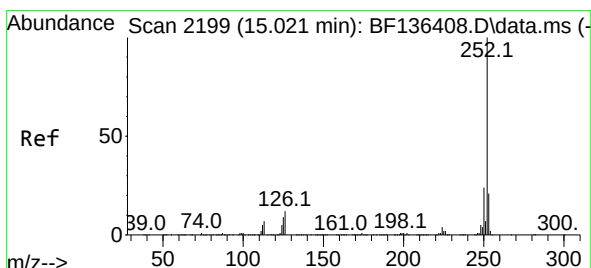
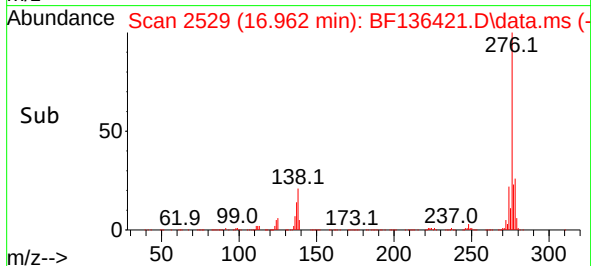
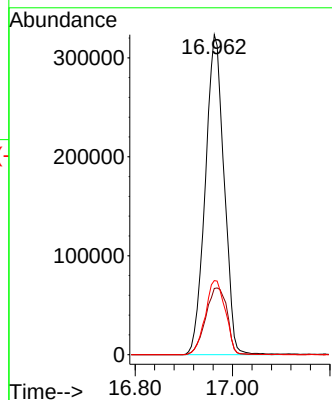
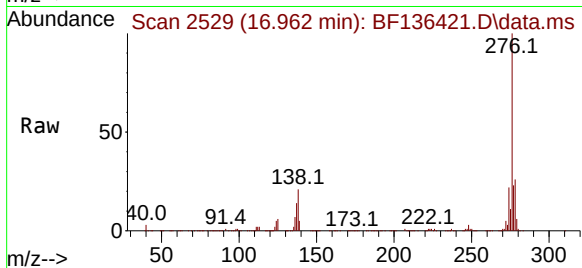
Tgt Ion:276 Resp: 861650

Ion Ratio Lower Upper

276 100

138 24.0 19.0 28.4

277 24.9 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 50.844 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF136421.D

Acq: 06 Dec 2023 11:09

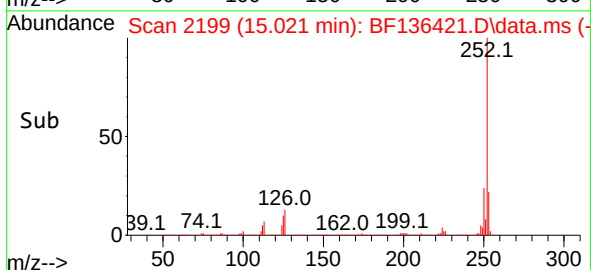
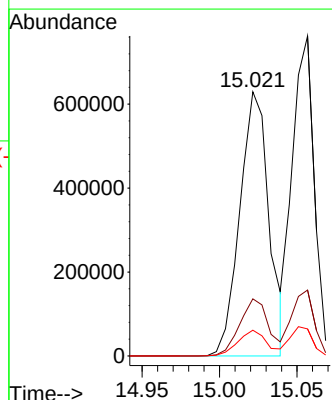
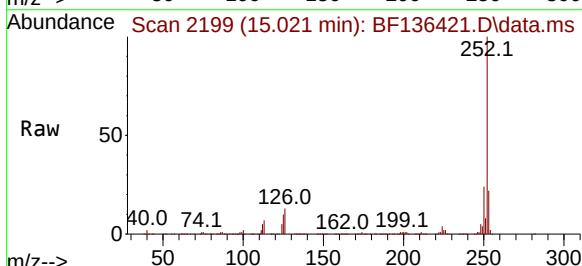
Tgt Ion:252 Resp: 826146

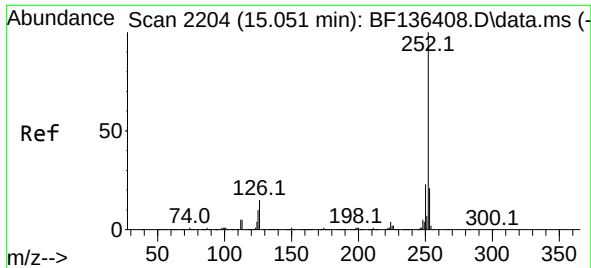
Ion Ratio Lower Upper

252 100

253 21.6 16.9 25.3

125 9.7 7.4 11.2

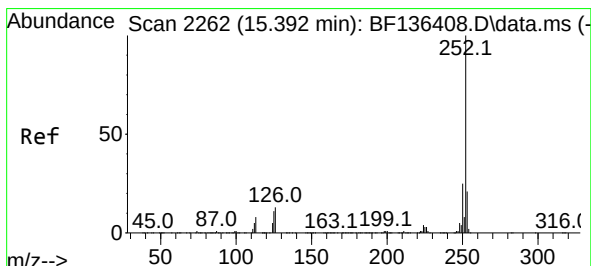
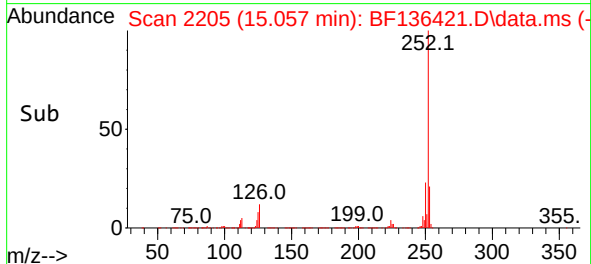
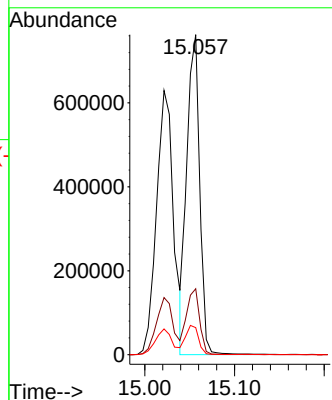
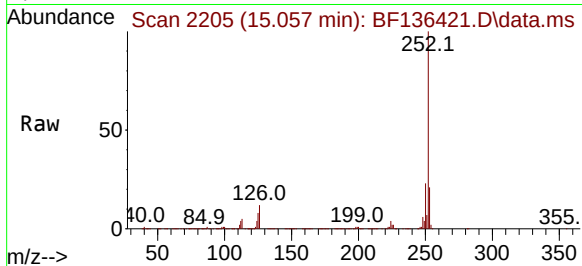




#89  
Benzo(k)fluoranthene  
Concen: 49.542 ng  
RT: 15.057 min Scan# 2204  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

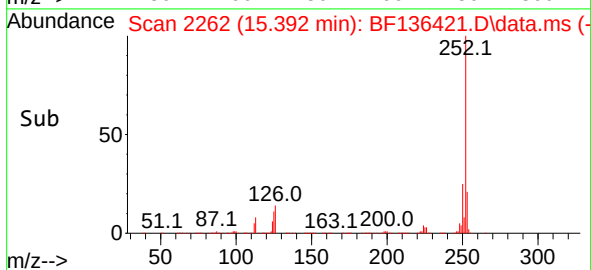
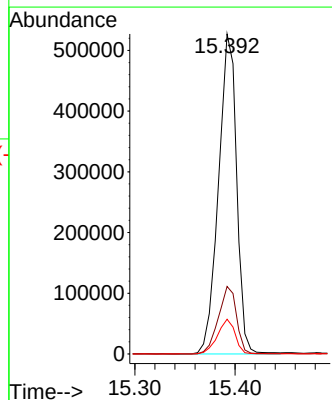
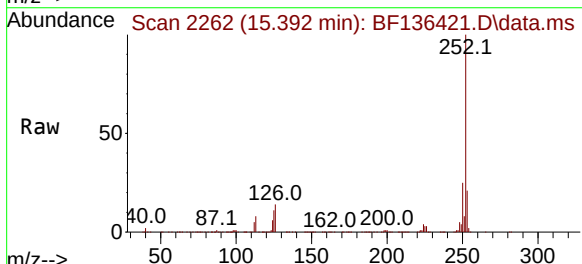
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:252 Resp: 758637  
Ion Ratio Lower Upper  
252 100  
253 20.6 16.9 25.3  
125 8.4 7.5 11.3

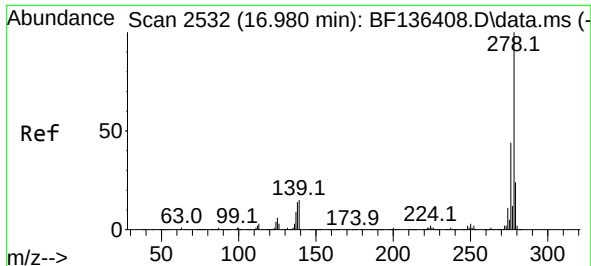


#90  
Benzo(a)pyrene  
Concen: 49.325 ng  
RT: 15.392 min Scan# 2262  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:252 Resp: 661887  
Ion Ratio Lower Upper  
252 100  
253 21.1 17.0 25.4  
125 10.9 8.6 13.0

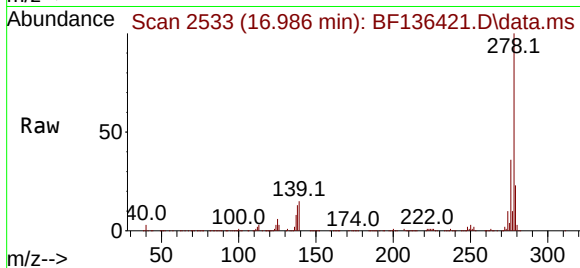




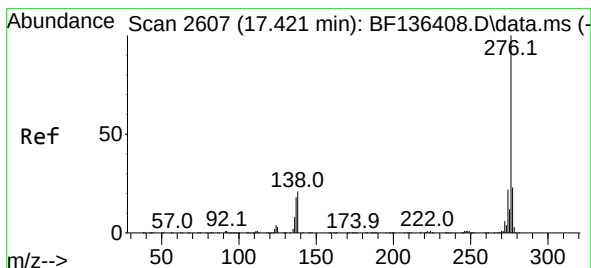
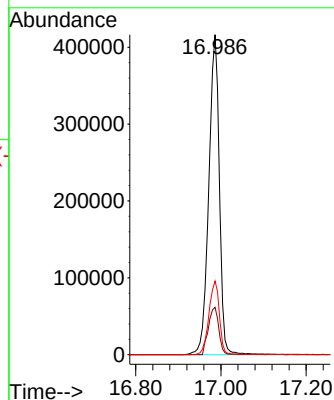
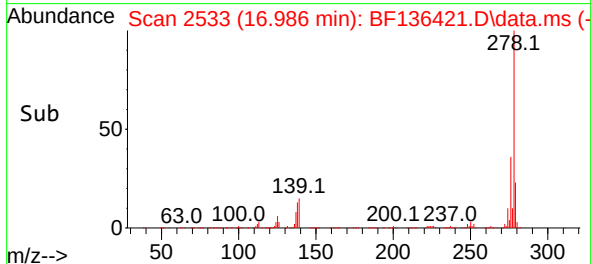


#91  
Dibenzo(a,h)anthracene  
Concen: 53.001 ng  
RT: 16.986 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion:278 Resp: 716881  
Ion Ratio Lower Upper  
278 100  
139 14.8 12.2 18.4  
279 23.0 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 51.991 ng  
RT: 17.421 min Scan# 2607  
Delta R.T. 0.000 min  
Lab File: BF136421.D  
Acq: 06 Dec 2023 11:09

Tgt Ion:276 Resp: 721777  
Ion Ratio Lower Upper  
276 100  
277 22.7 18.7 28.1  
138 19.9 16.6 25.0

