

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050324\  
 Data File : BF137833.D  
 Acq On : 03 May 2024 17:20  
 Operator : CG\JU  
 Sample : P2354-02MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 V359MSD

Quant Time: May 03 17:48:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.051  | 152  | 155290   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.339  | 136  | 624689   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.098 | 164  | 353467   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.592 | 188  | 554601   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.245 | 240  | 266803   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.809 | 264  | 299754   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.692  | 112  | 1057917  | 114.061 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.675  | 99   | 1257524  | 106.892 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.616  | 82   | 902996   | 83.982  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.898 | 330  | 463151   | 128.333 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.416  | 172  | 1904872  | 87.431  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.180 | 244  | 1595029  | 100.188 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.175  | 88   | 136685   | 32.726  | ng    | # 83     |
| 3) Pyridine                   | 3.851  | 79   | 273818   | 27.088  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.804  | 42   | 174445   | 38.324  | ng    | 97       |
| 6) Aniline                    | 6.716  | 93   | 208600   | 17.890  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.839  | 128  | 444285   | 43.955  | ng    | 98       |
| 9) Benzaldehyde               | 6.610  | 77   | 146127   | 23.065  | ng    | 97       |
| 10) Phenol                    | 6.687  | 94   | 462264   | 38.347  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.787  | 93   | 388589   | 41.169  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.998  | 146  | 446119   | 39.139  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.069  | 146  | 447487   | 39.126  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.222  | 146  | 435138   | 40.395  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.192  | 79   | 377950   | 46.456  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.316  | 45   | 498933   | 37.606  | ng    | 96       |
| 17) 2-Methylphenol            | 7.292  | 107  | 359456   | 44.073  | ng    | 99       |
| 18) Hexachloroethane          | 7.569  | 117  | 159596   | 41.277  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 304067   | 43.249  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.445  | 107  | 454314   | 42.339  | ng    | 94       |
| 22) Acetophenone              | 7.463  | 105  | 614143   | 43.713  | ng    | 98       |
| 24) Nitrobenzene              | 7.634  | 77   | 449833   | 40.592  | ng    | 100      |
| 25) Isophorone                | 7.869  | 82   | 866327   | 44.687  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.951  | 139  | 241968   | 48.217  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.975  | 122  | 339975   | 47.058  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 8.075  | 93   | 510315   | 43.476  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.186  | 162  | 398924   | 45.683  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.275  | 180  | 398826   | 41.895  | ng    | 98       |
| 31) Naphthalene               | 8.363  | 128  | 1321657  | 42.573  | ng    | 99       |
| 32) Benzoic acid              | 8.092  | 122  | 276273   | 44.326  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.398  | 127  | 80476    | 6.991   | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.469  | 225  | 245284   | 41.968  | ng    | 100      |
| 35) Caprolactam               | 8.775  | 113  | 82560    | 29.839  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.875  | 107  | 419123   | 46.025  | ng    | 92       |
| 37) 2-Methylnaphthalene       | 9.051  | 142  | 888019   | 44.191  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.151  | 142  | 829089   | 41.936  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.216  | 216  | 420700   | 44.938  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.204  | 237  | 474185   | 124.703 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.328  | 196  | 297537   | 46.690  | ng    | 99       |

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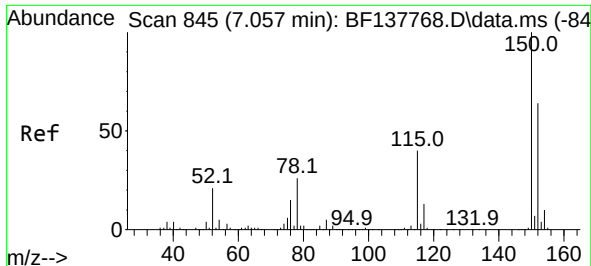
Quant Time: May 03 17:48:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.369  | 196  | 322222   | 45.792 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.516  | 154  | 1112098  | 45.845 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.545  | 162  | 852666   | 43.538 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.639  | 65   | 232033   | 43.685 | ng    | 93       |
| 49) Acenaphthylene            | 9.963  | 152  | 1353871  | 47.789 | ng    | 99       |
| 50) Dimethylphthalate         | 9.816  | 163  | 1060658  | 47.533 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 236373   | 46.353 | ng    | 87       |
| 52) Acenaphthene              | 10.133 | 154  | 906853   | 48.292 | ng    | 99       |
| 53) 3-Nitroaniline            | 10.045 | 138  | 109313   | 20.470 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 10.157 | 184  | 238950   | 95.364 | ng    | 96       |
| 55) Dibenzofuran              | 10.310 | 168  | 1215860  | 44.493 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.198 | 139  | 267864   | 60.521 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.286 | 165  | 302331   | 45.381 | ng    | 91       |
| 58) Fluorene                  | 10.651 | 166  | 947295   | 43.557 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.422 | 232  | 257247   | 45.030 | ng    | 97       |
| 60) Diethylphthalate          | 10.516 | 149  | 1004918  | 47.418 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.639 | 204  | 478639   | 44.665 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.669 | 138  | 180555   | 33.334 | ng    | 91       |
| 63) Azobenzene                | 10.798 | 77   | 890361   | 43.469 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.692 | 198  | 163441   | 51.345 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.757 | 169  | 826364   | 49.777 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.133 | 248  | 294385   | 49.598 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.198 | 284  | 311245   | 47.985 | ng    | 99       |
| 69) Atrazine                  | 11.280 | 200  | 271159   | 53.568 | ng    | 97       |
| 70) Pentachlorophenol         | 11.392 | 266  | 364590   | 81.873 | ng    | 99       |
| 71) Phenanthrene              | 11.622 | 178  | 1230158  | 45.507 | ng    | 99       |
| 72) Anthracene                | 11.674 | 178  | 1250752  | 46.502 | ng    | 99       |
| 73) Carbazole                 | 11.822 | 167  | 1013522  | 39.099 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.145 | 149  | 1414501  | 50.024 | ng    | 99       |
| 75) Fluoranthene              | 12.810 | 202  | 1066097  | 36.079 | ng    | 100      |
| 77) Benzidine                 | 12.927 | 184  | 77909    | 12.626 | ng    | 99       |
| 78) Pyrene                    | 13.045 | 202  | 1027526  | 48.573 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.651 | 149  | 412256   | 61.422 | ng    | 92       |
| 81) Benzo(a)anthracene        | 14.233 | 228  | 807221   | 47.304 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.186 | 252  | 162660   | 31.841 | ng    | 100      |
| 83) Chrysene                  | 14.268 | 228  | 765507   | 47.910 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.204 | 149  | 575396   | 68.023 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.827 | 149  | 908358   | 79.792 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.445 | 276  | 726939   | 42.656 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.339 | 252  | 803413   | 43.079 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.368 | 252  | 813763   | 45.144 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.745 | 252  | 743927   | 48.894 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.462 | 278  | 590077   | 42.538 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.945 | 276  | 537975   | 36.995 | ng    | 97       |

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

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QLast Update : Wed May 01 03:25:08 2024  
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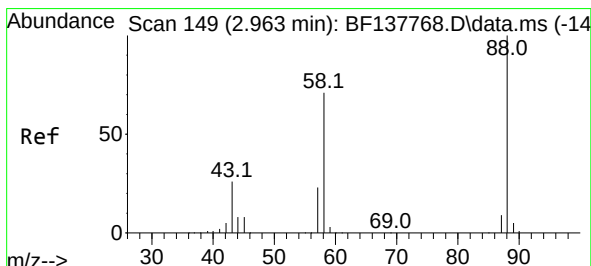
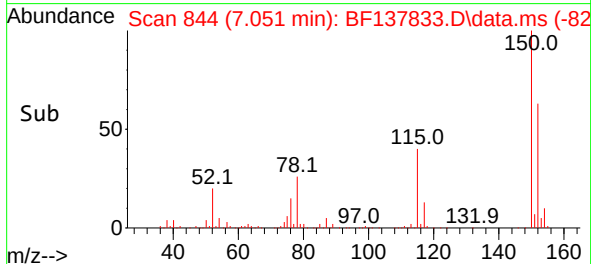
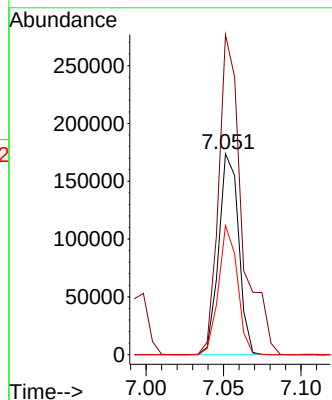
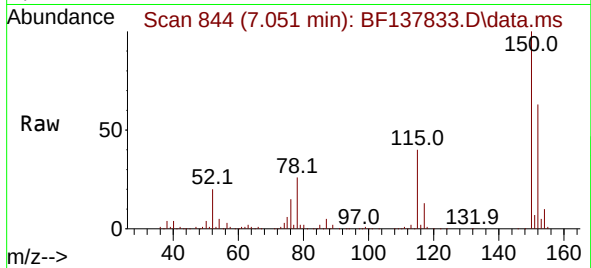




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.051 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

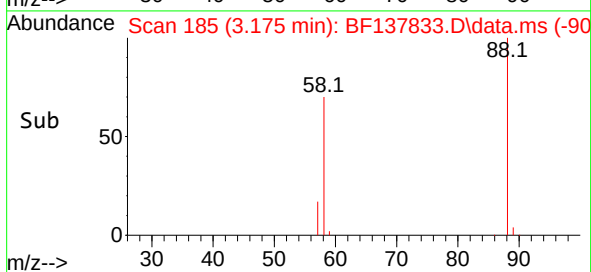
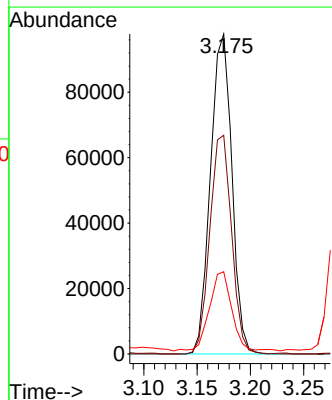
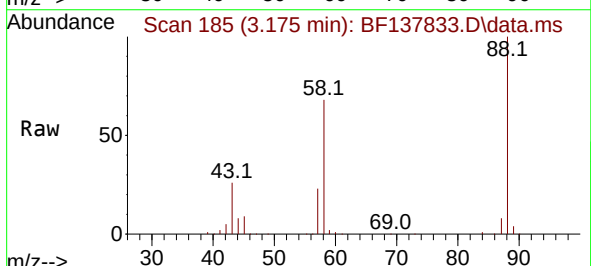
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

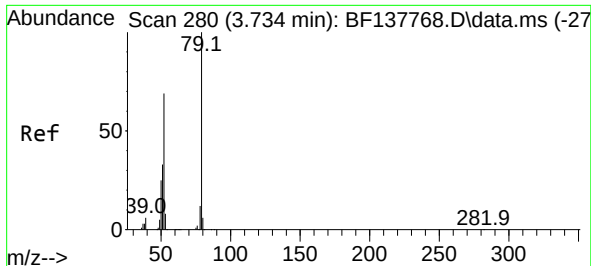
Tgt Ion:152 Resp: 155290  
Ion Ratio Lower Upper  
152 100  
150 159.2 124.1 186.1  
115 64.2 49.1 73.7



#2  
1,4-Dioxane  
Concen: 32.726 ng  
RT: 3.175 min Scan# 185  
Delta R.T. 0.212 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion: 88 Resp: 136685  
Ion Ratio Lower Upper  
88 100  
58 69.4 58.8 88.2  
43 0.0 21.4 32.0#





#3

Pyridine

Concen: 27.088 ng

RT: 3.851 min Scan# 30

Delta R.T. 0.118 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

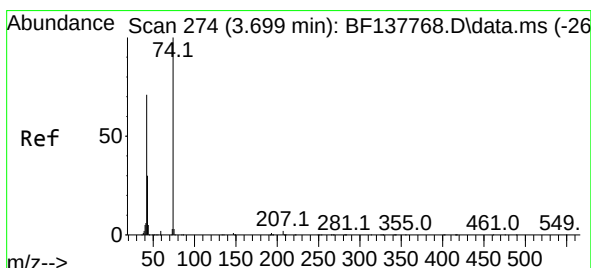
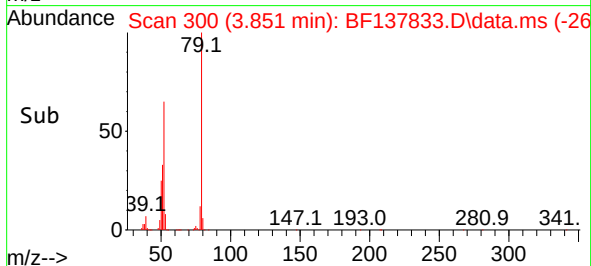
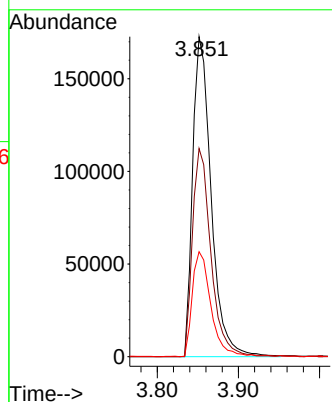
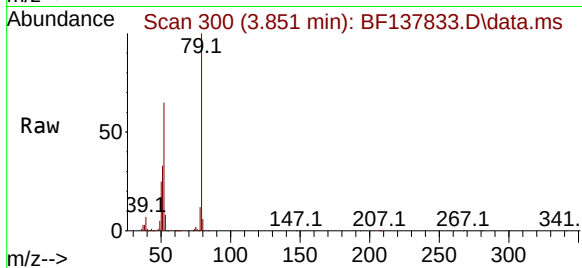
Tgt Ion: 79 Resp: 273818

Ion Ratio Lower Upper

79 100

52 65.0 55.5 83.3

51 32.8 26.9 40.3



#4

n-Nitrosodimethylamine

Concen: 38.324 ng

RT: 3.804 min Scan# 292

Delta R.T. 0.106 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

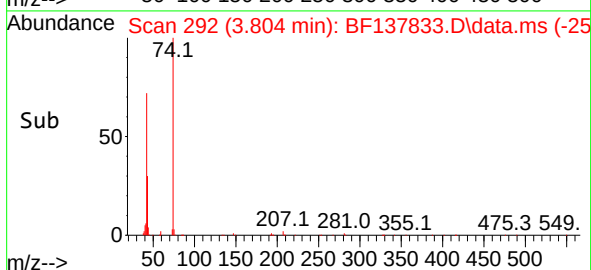
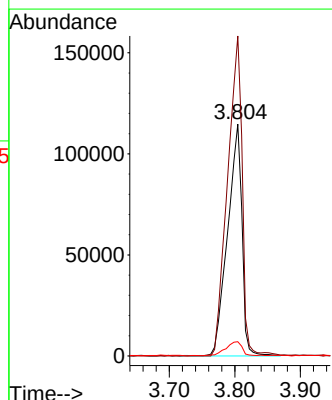
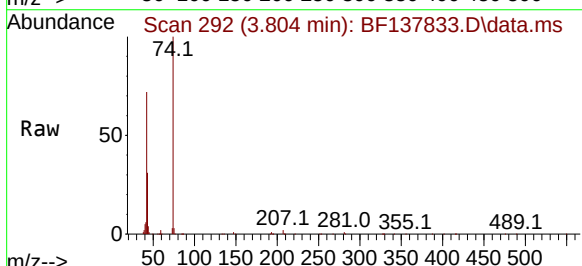
Tgt Ion: 42 Resp: 174445

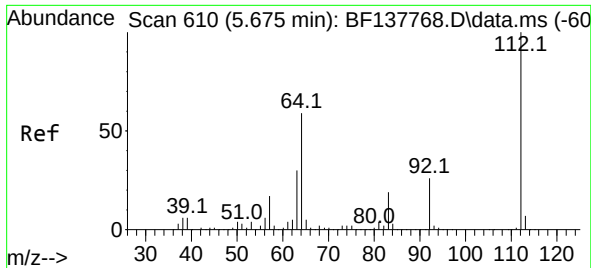
Ion Ratio Lower Upper

42 100

74 138.0 112.9 169.3

44 6.2 5.6 8.4

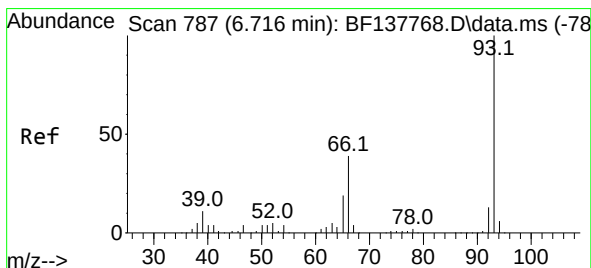
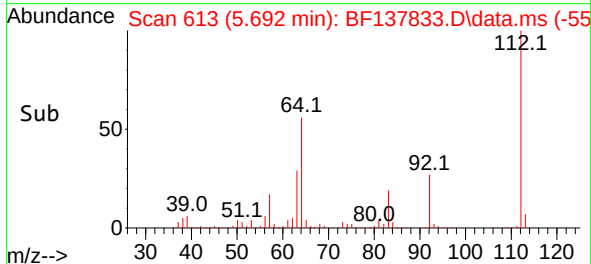
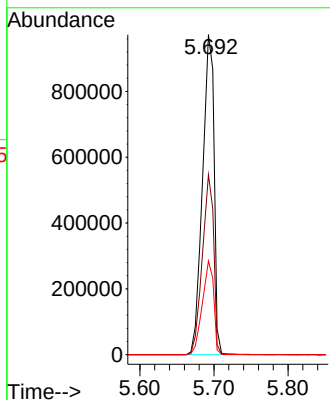
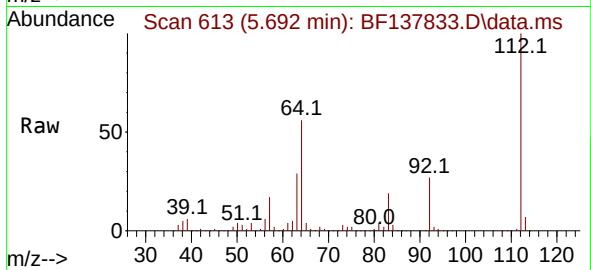




#5  
2-Fluorophenol  
Concen: 114.061 ng  
RT: 5.692 min Scan# 610  
Delta R.T. 0.018 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

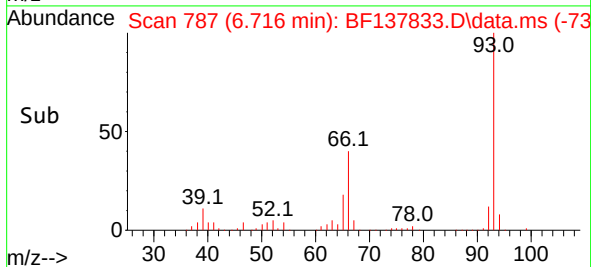
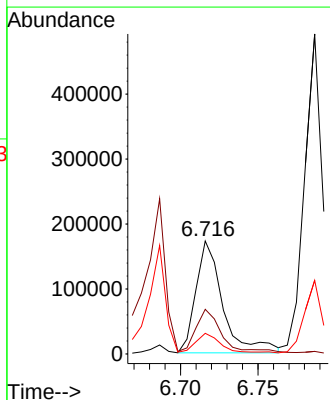
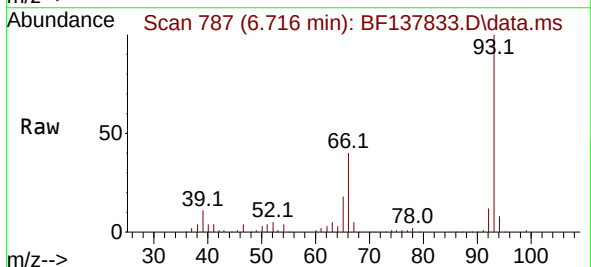
Instrument :  
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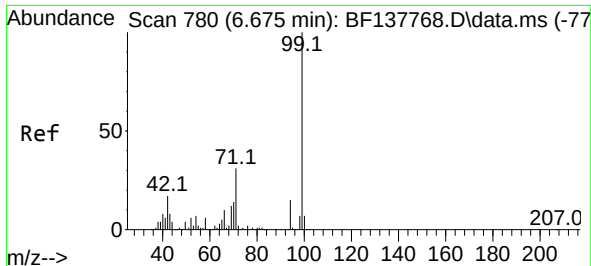
Tgt Ion:112 Resp: 1057917  
Ion Ratio Lower Upper  
112 100  
64 56.3 47.3 70.9  
63 29.3 23.7 35.5



#6  
Aniline  
Concen: 17.890 ng  
RT: 6.716 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion: 93 Resp: 208600  
Ion Ratio Lower Upper  
93 100  
66 39.5 31.8 47.6  
65 18.3 15.4 23.2



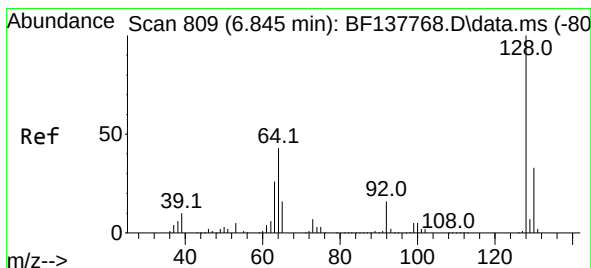
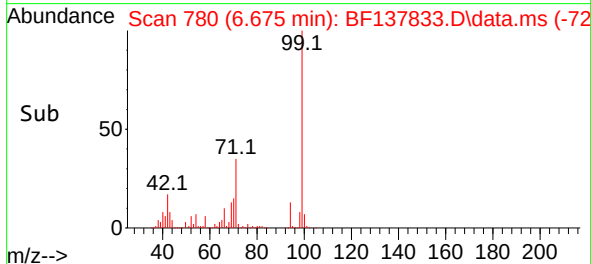
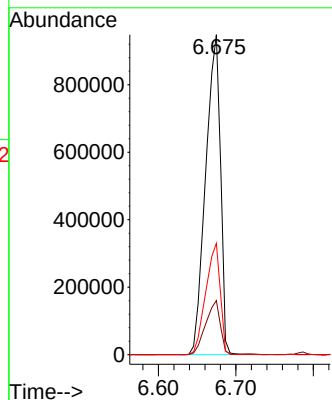
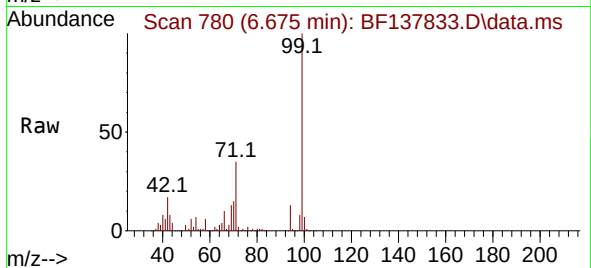


#7  
Phenol-d6  
Concen: 106.892 ng  
RT: 6.675 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

Tgt Ion: 99 Resp: 1257524

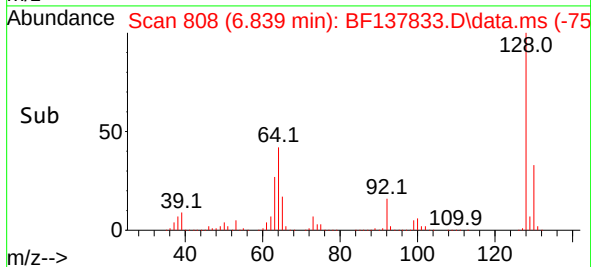
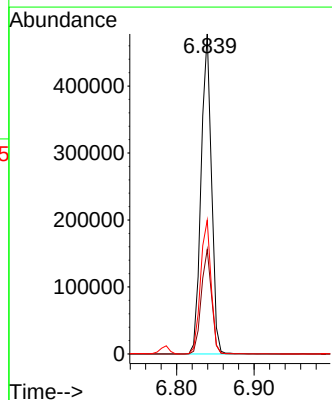
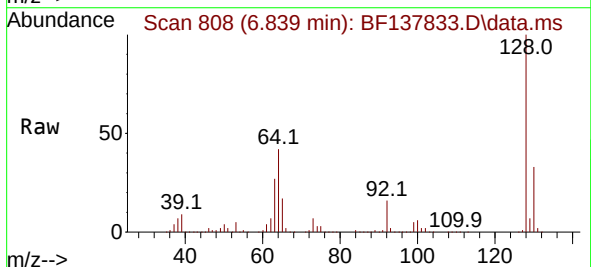
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.9  | 13.2  | 19.8  |
| 71  | 34.8  | 25.0  | 37.4  |

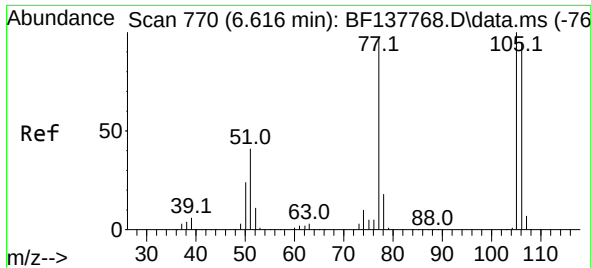


#8  
2-Chlorophenol  
Concen: 43.955 ng  
RT: 6.839 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion: 128 Resp: 444285

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.7  | 12.5  | 52.5  |
| 64  | 41.8  | 23.9  | 63.9  |

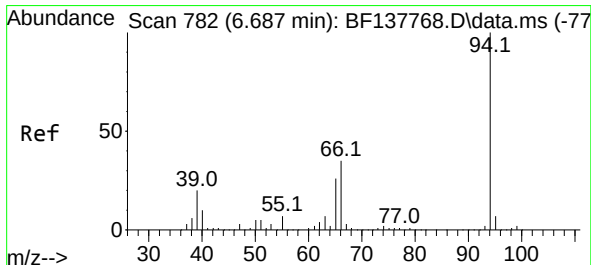
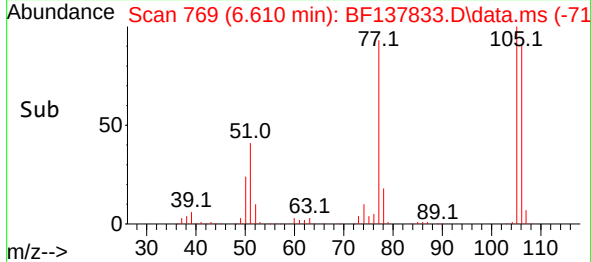
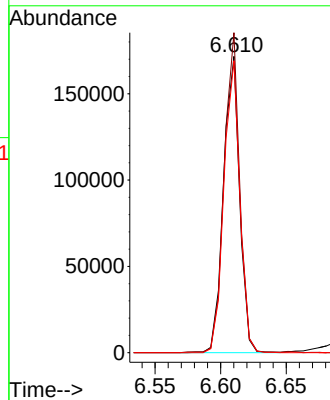
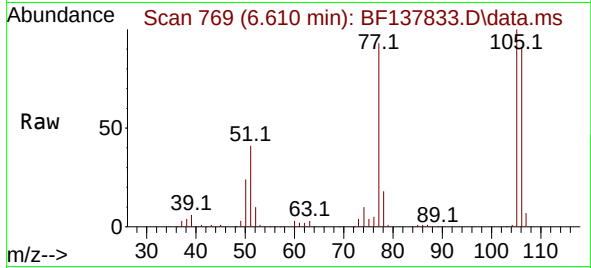




#9  
Benzaldehyde  
Concen: 23.065 ng  
RT: 6.610 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

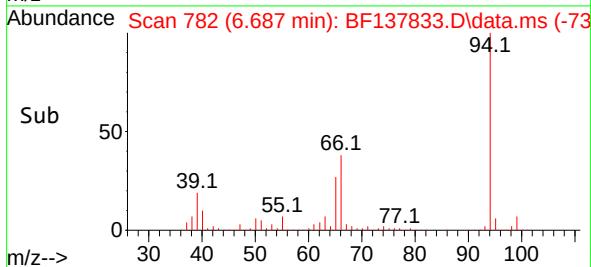
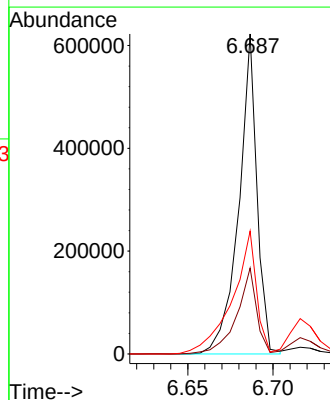
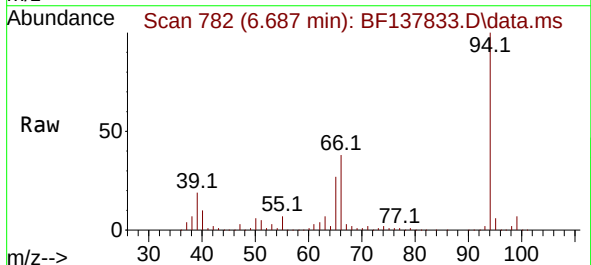
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 146127 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 108.0 | 83.2  | 123.2  |
| 106       | 98.5  | 77.7  | 117.7  |

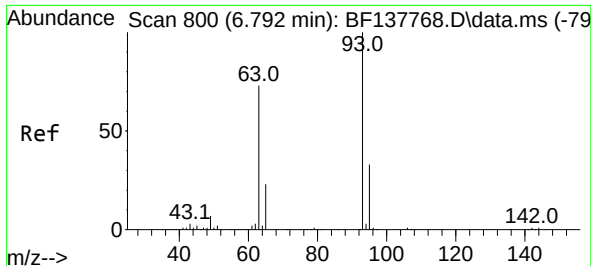


#10  
Phenol  
Concen: 38.347 ng  
RT: 6.687 min Scan# 782  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 462264 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 26.8  | 6.4   | 46.4   |
| 66        | 38.4  | 15.4  | 55.4   |



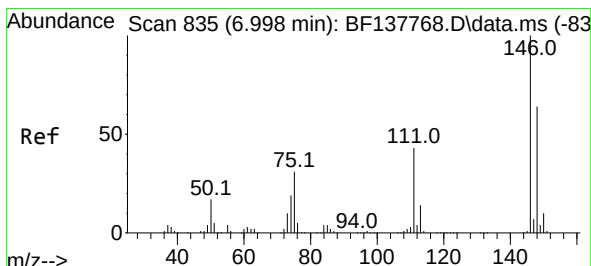
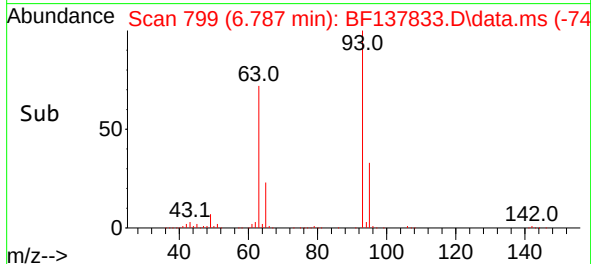
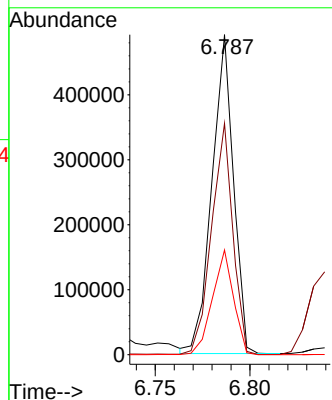
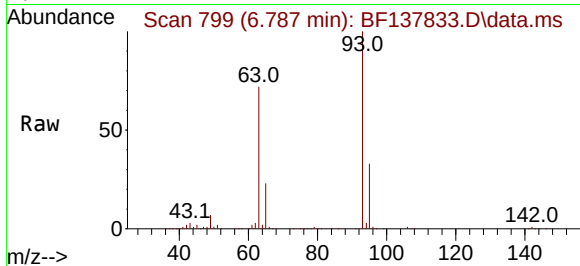




#11  
bis(2-Chloroethyl)ether  
Concen: 41.169 ng  
RT: 6.787 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

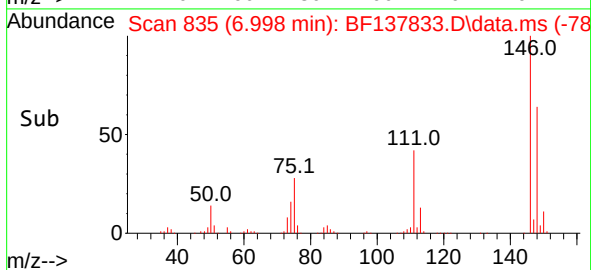
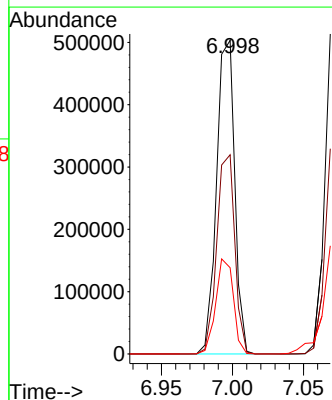
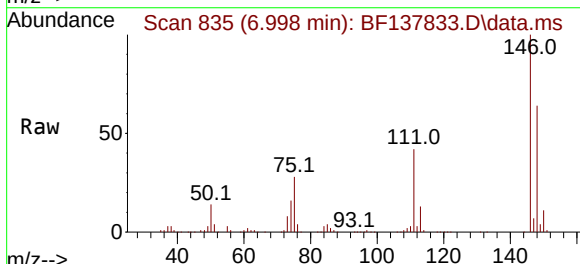
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

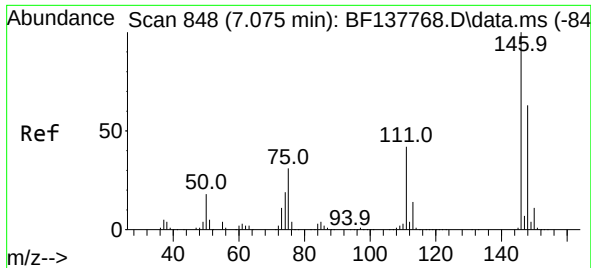
Tgt Ion: 93 Resp: 388589  
Ion Ratio Lower Upper  
93 100  
63 72.3 51.6 91.6  
95 32.7 12.1 52.1



#12  
1,3-Dichlorobenzene  
Concen: 39.139 ng  
RT: 6.998 min Scan# 835  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:146 Resp: 446119  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.2 76.8  
75 27.5 25.1 37.7

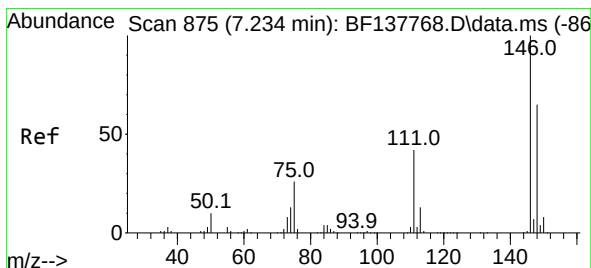
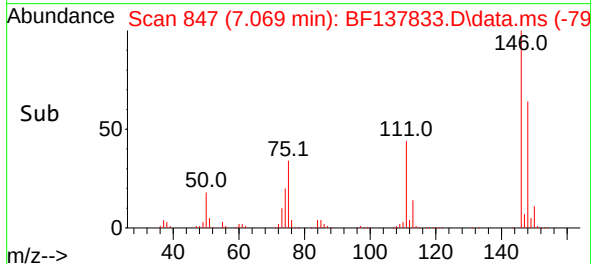
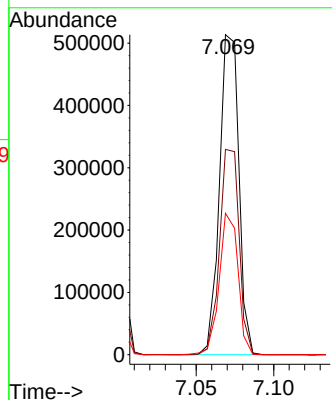
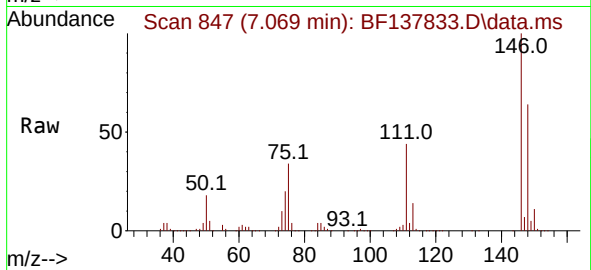




#13  
1,4-Dichlorobenzene  
Concen: 39.126 ng  
RT: 7.069 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

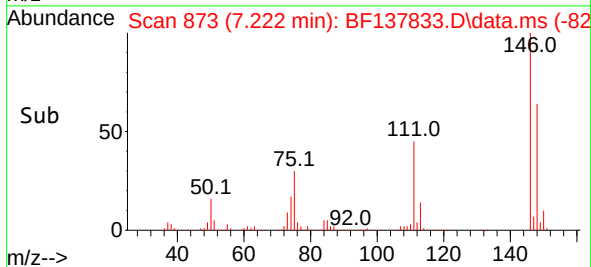
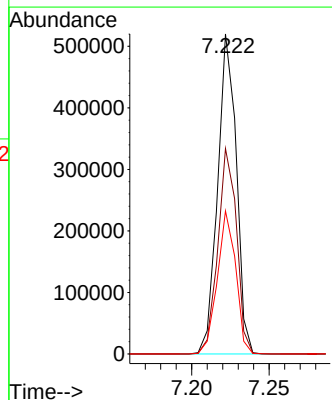
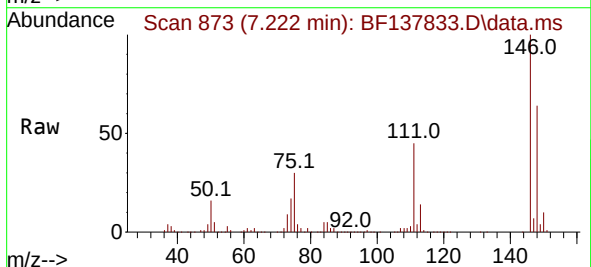
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

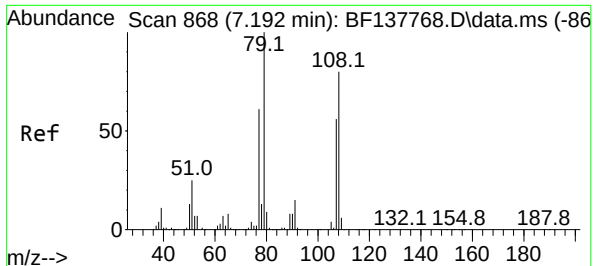
Tgt Ion:146 Resp: 447487  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.7 76.1  
111 44.2 33.8 50.8



#14  
1,2-Dichlorobenzene  
Concen: 40.395 ng  
RT: 7.222 min Scan# 873  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:146 Resp: 435138  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.8 77.8  
111 44.7 33.6 50.4





#15

Benzyl Alcohol

Concen: 46.456 ng

RT: 7.192 min Scan# 868

Delta R.T. -0.000 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

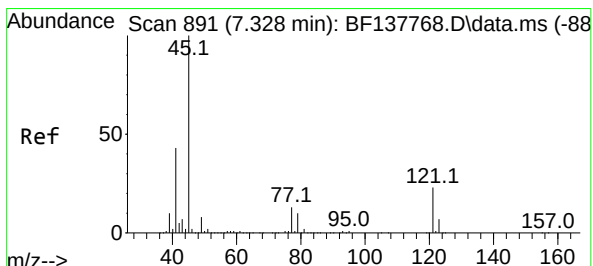
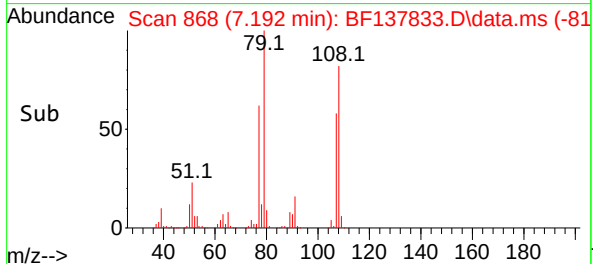
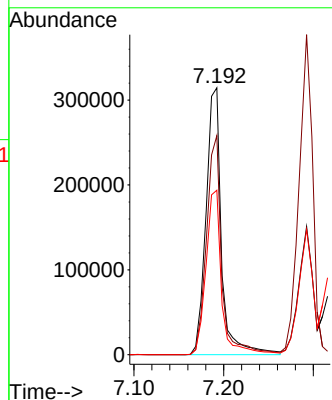
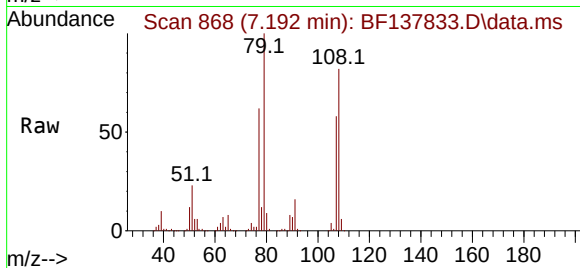
Tgt Ion: 79 Resp: 377950

Ion Ratio Lower Upper

79 100

108 82.0 64.2 96.2

77 61.6 48.5 72.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.606 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

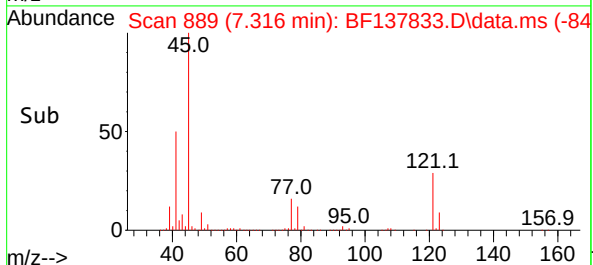
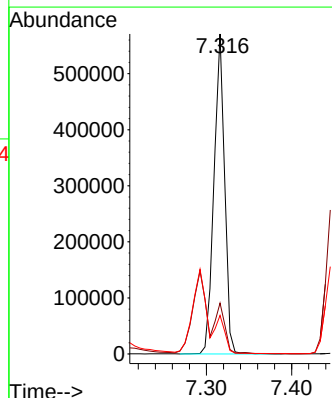
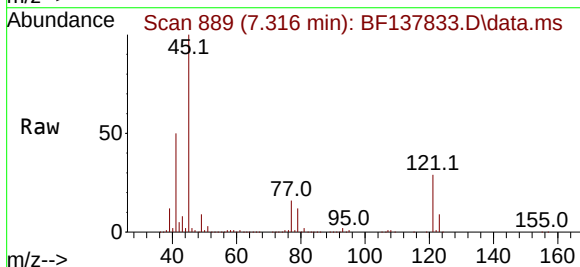
Tgt Ion: 45 Resp: 498933

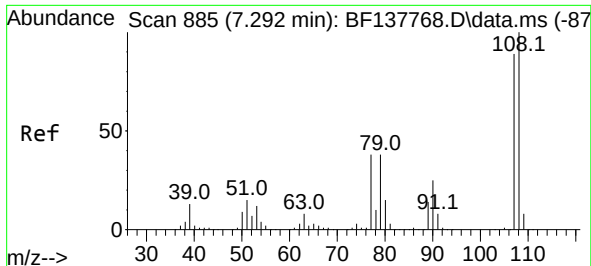
Ion Ratio Lower Upper

45 100

77 15.9 0.0 33.8

79 12.1 0.0 31.0

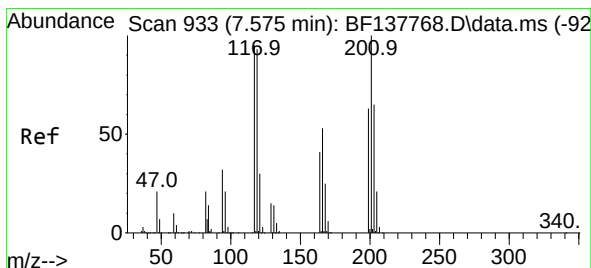
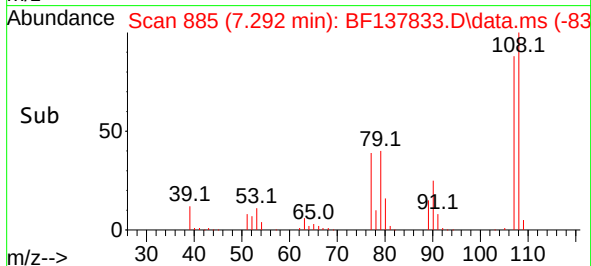
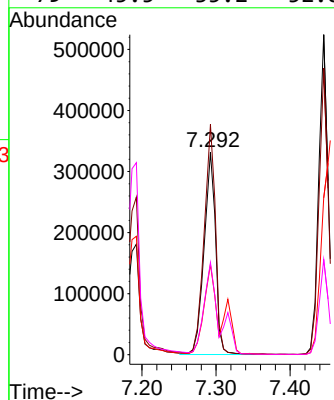
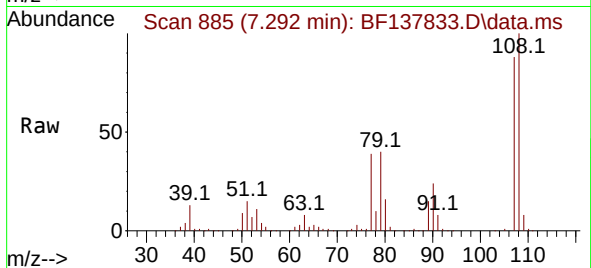




#17  
2-Methylphenol  
Concen: 44.073 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

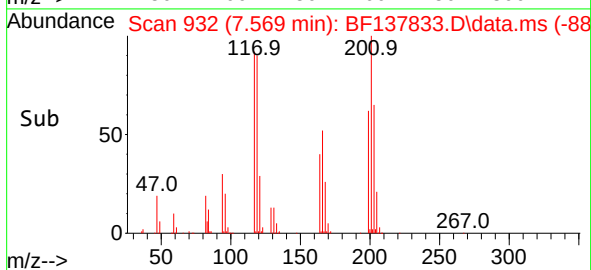
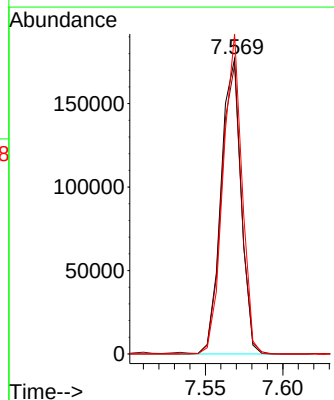
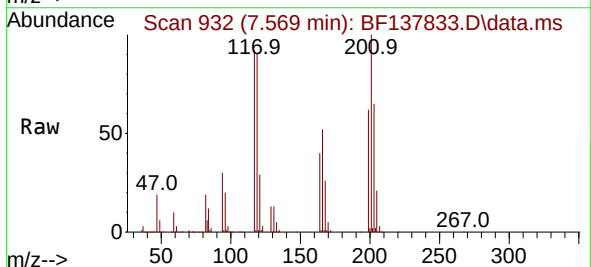
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

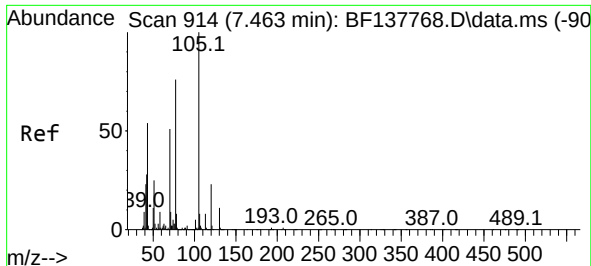
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 359456 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.7 | 90.5  | 135.7  |
| 77       | 44.6  | 34.5  | 51.7   |
| 79       | 45.5  | 35.2  | 52.8   |



#18  
Hexachloroethane  
Concen: 41.277 ng  
RT: 7.569 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 159596 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.9  | 77.6  | 116.4  |
| 201      | 108.4 | 83.8  | 125.8  |

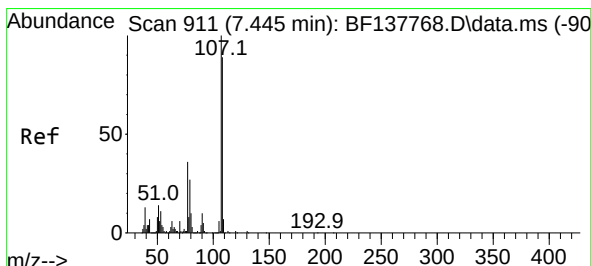
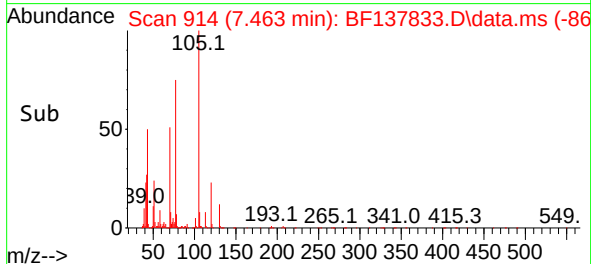
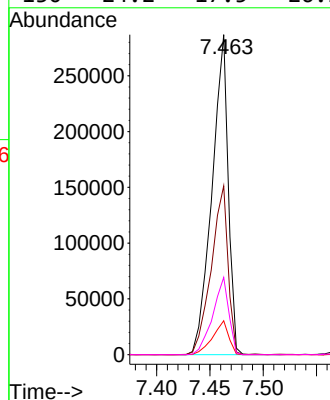
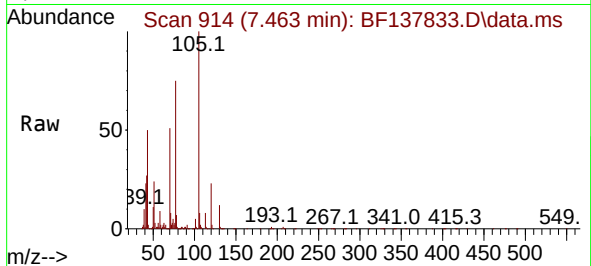




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.249 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

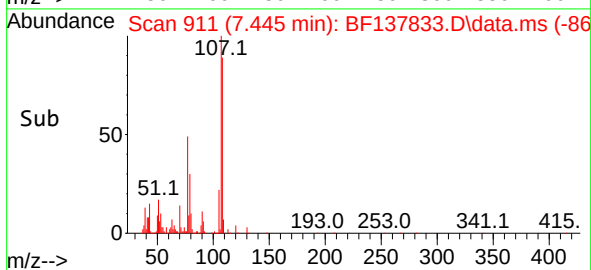
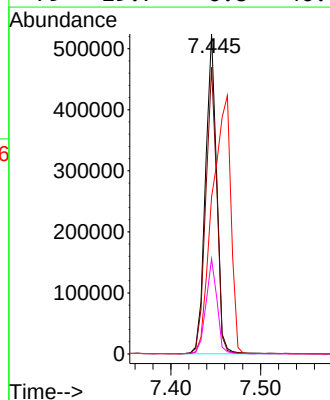
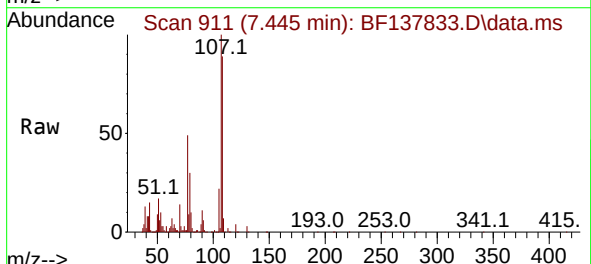
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

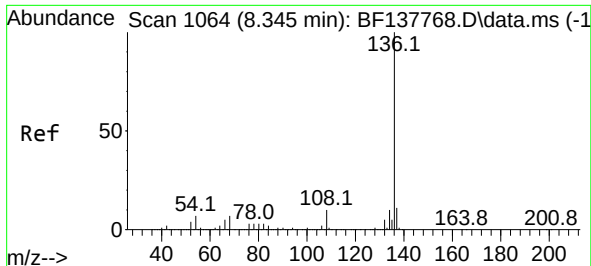
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 304067 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.8  | 44.6  | 66.8   |
| 101      | 10.6  | 7.8   | 11.6   |
| 130      | 24.2  | 17.5  | 26.3   |



#20  
3+4-Methylphenols  
Concen: 42.339 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 454314 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.5  | 69.3  | 109.3  |
| 77       | 49.0  | 15.7  | 55.7   |
| 79       | 29.7  | 6.8   | 46.8   |

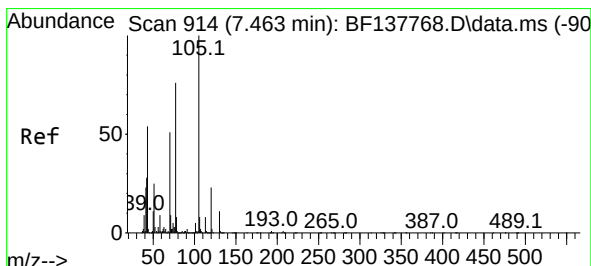
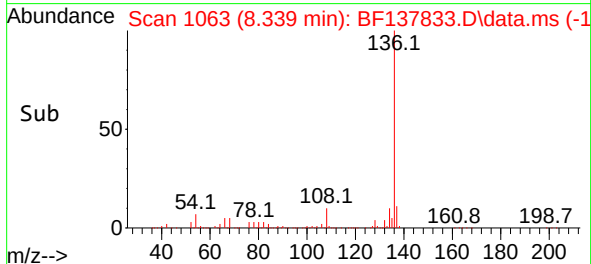
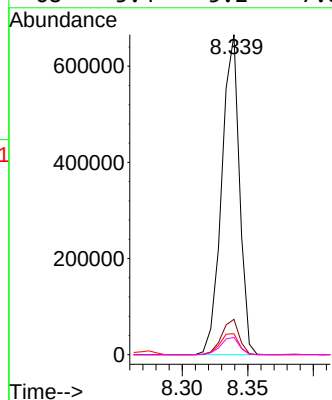
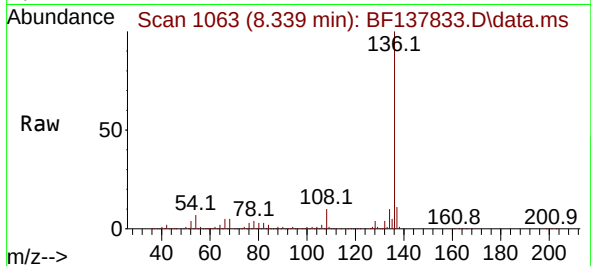




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.339 min Scan# 1063  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

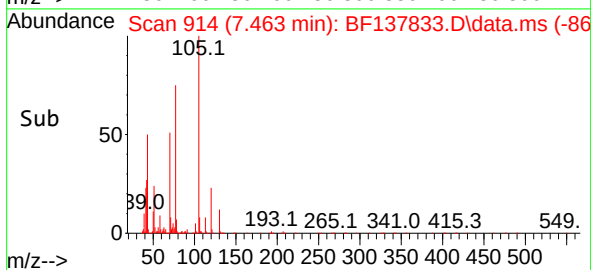
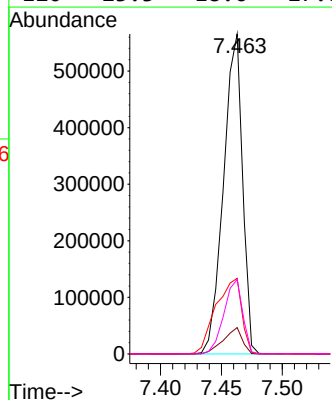
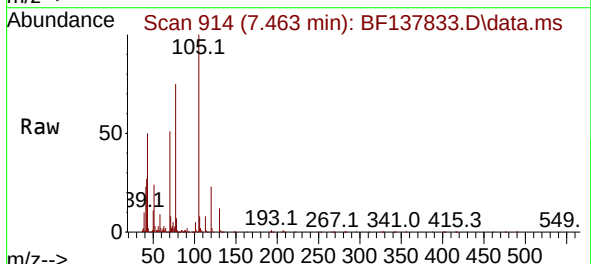
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

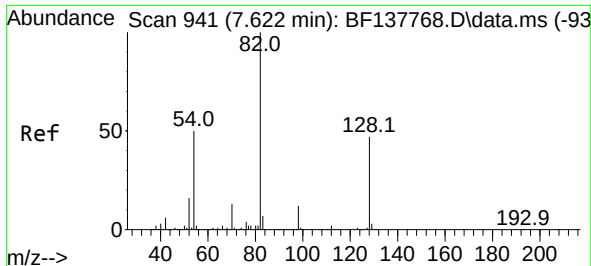
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 624689 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 11.0    | 8.8   | 13.2   |
| 54  | 6.6     | 5.8   | 8.8    |
| 68  | 5.4     | 5.2   | 7.8    |



#22  
Acetophenone  
Concen: 43.713 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 614143 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 8.3     | 6.9   | 10.3   |
| 51  | 23.7    | 20.2  | 30.2   |
| 120 | 23.3    | 18.6  | 27.8   |





#23

Nitrobenzene-d5

Concen: 83.982 ng

RT: 7.616 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

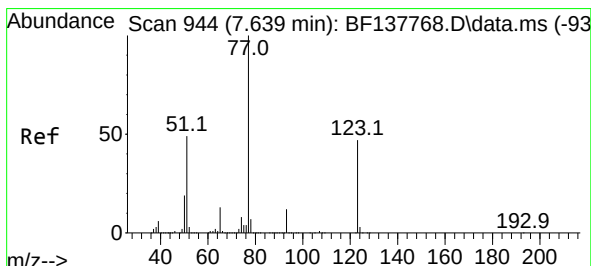
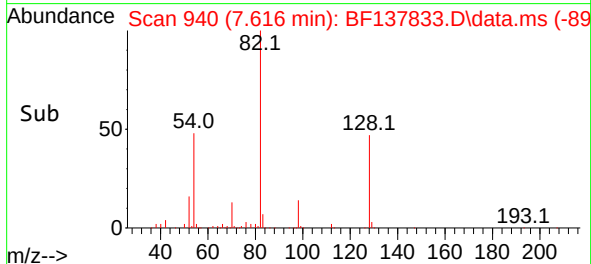
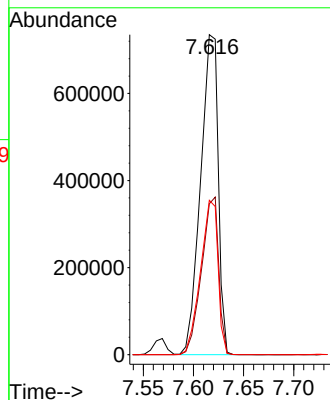
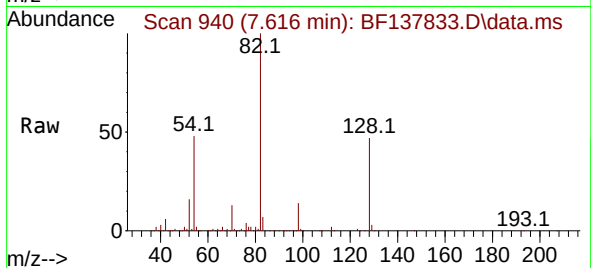
Tgt Ion: 82 Resp: 902996

Ion Ratio Lower Upper

82 100

128 47.1 37.5 56.3

54 48.3 39.8 59.6



#24

Nitrobenzene

Concen: 40.592 ng

RT: 7.634 min Scan# 943

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

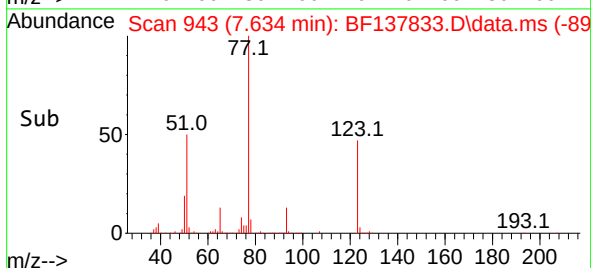
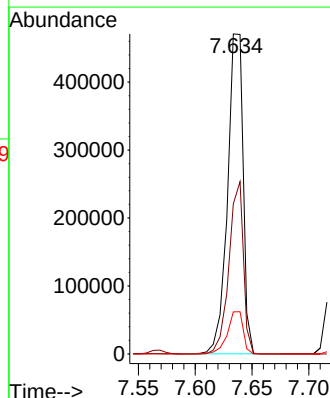
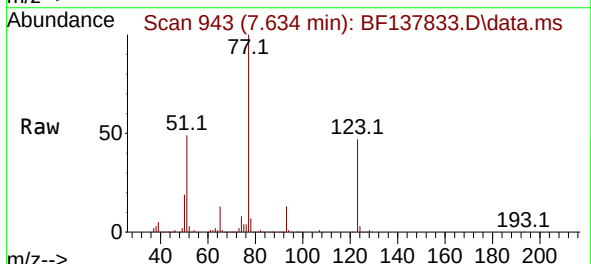
Tgt Ion: 77 Resp: 449833

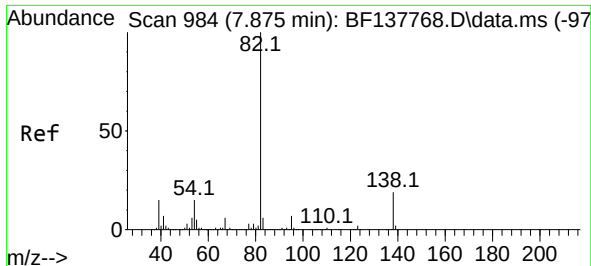
Ion Ratio Lower Upper

77 100

123 46.9 37.4 56.2

65 13.1 10.7 16.1





#25

Isophorone

Concen: 44.687 ng

RT: 7.869 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

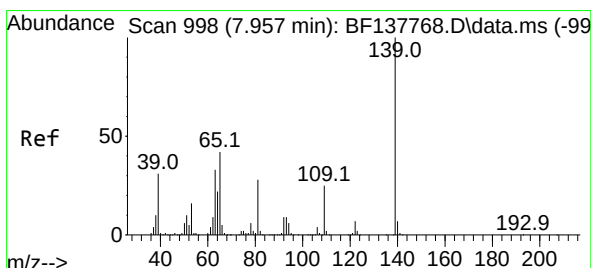
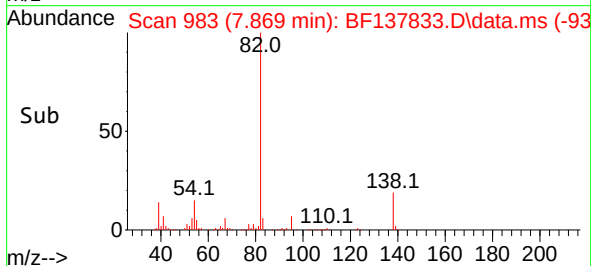
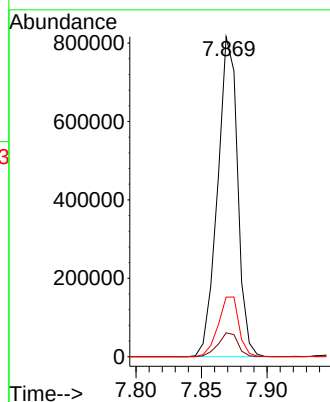
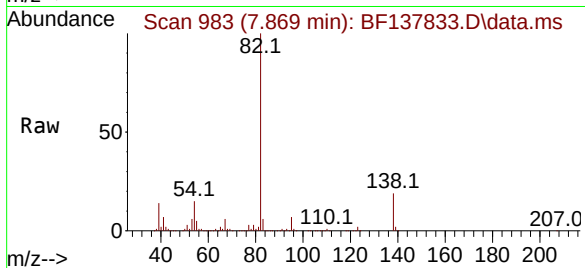
Tgt Ion: 82 Resp: 866327

Ion Ratio Lower Upper

82 100

95 7.4 5.7 8.5

138 18.6 15.0 22.6



#26

2-Nitrophenol

Concen: 48.217 ng

RT: 7.951 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

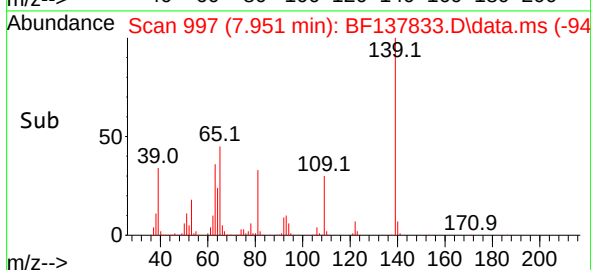
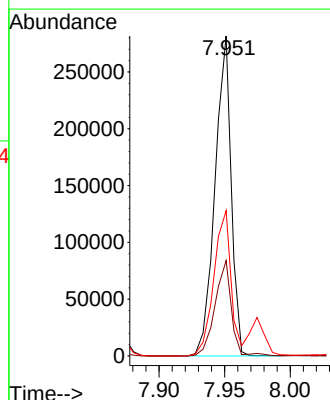
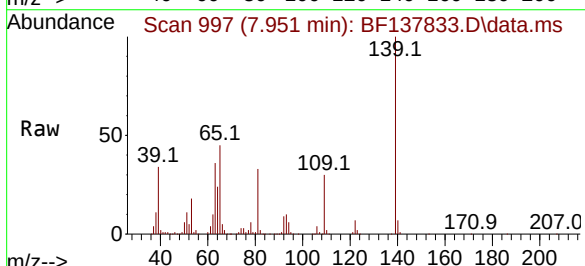
Tgt Ion:139 Resp: 241968

Ion Ratio Lower Upper

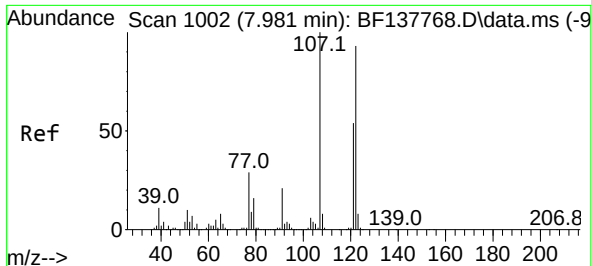
139 100

109 29.8 20.2 30.2

65 45.4 33.4 50.0



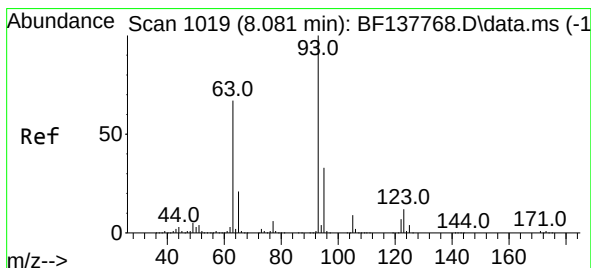
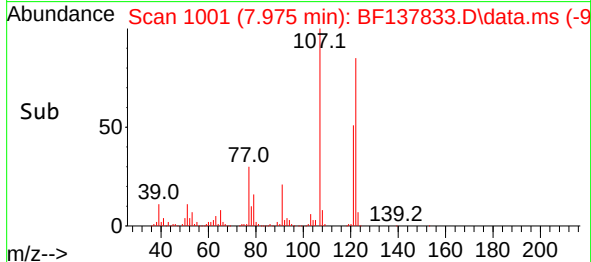
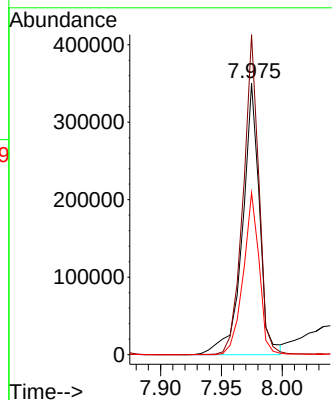
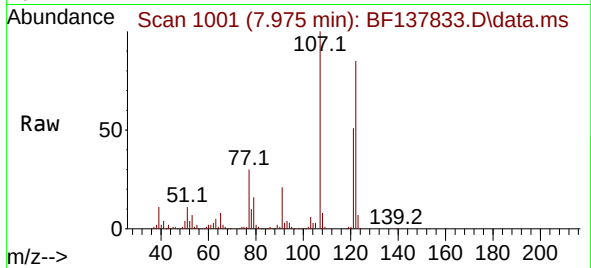




#27  
2,4-Dimethylphenol  
Concen: 47.058 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

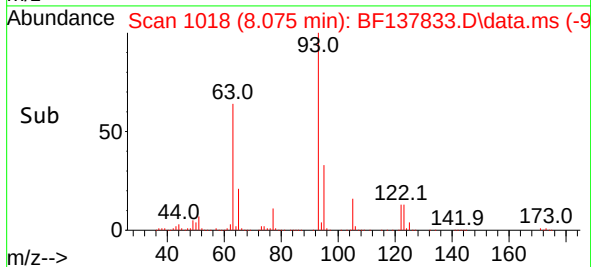
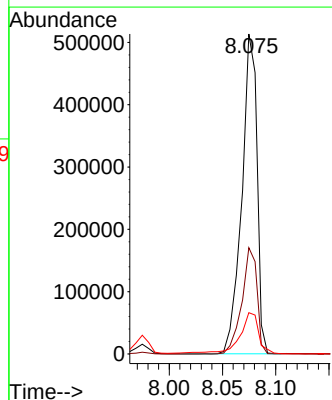
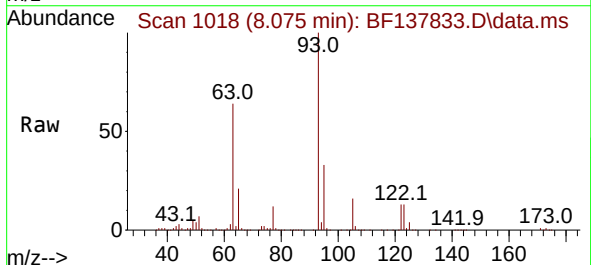
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

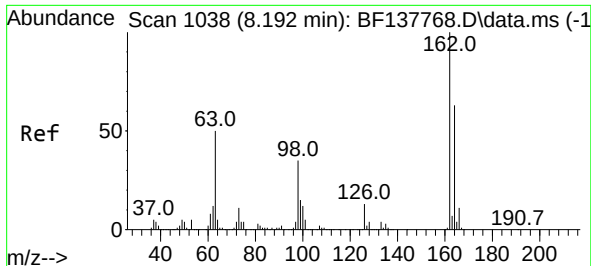
Tgt Ion:122 Resp: 339975  
Ion Ratio Lower Upper  
122 100  
107 117.9 85.8 128.8  
121 59.6 46.6 69.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.476 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion: 93 Resp: 510315  
Ion Ratio Lower Upper  
93 100  
95 33.2 26.1 39.1  
123 12.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 45.683 ng

RT: 8.186 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

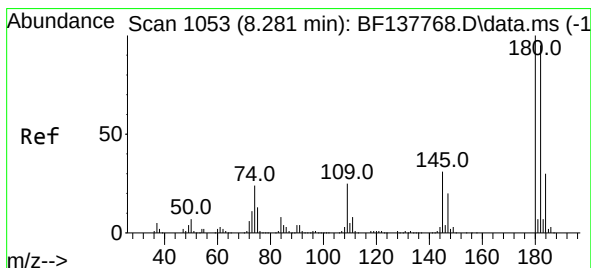
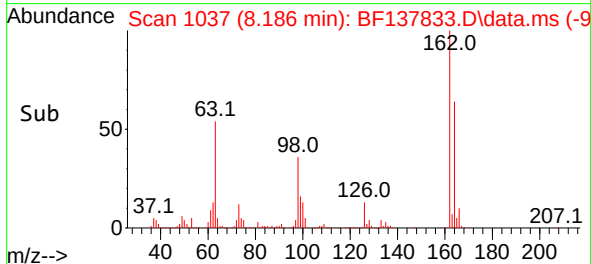
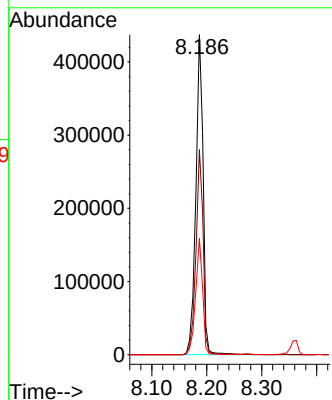
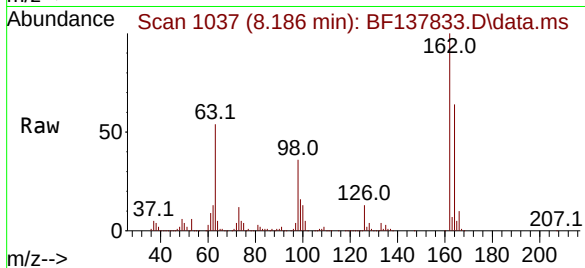
Tgt Ion:162 Resp: 398924

Ion Ratio Lower Upper

162 100

164 64.1 43.5 83.5

98 36.4 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 41.895 ng

RT: 8.275 min Scan# 1052

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

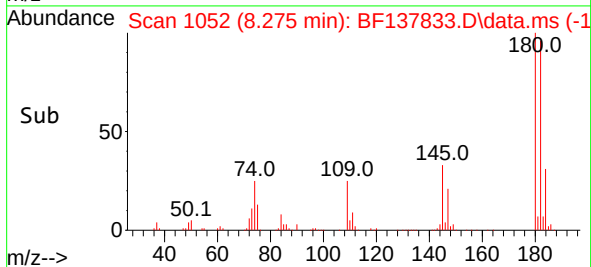
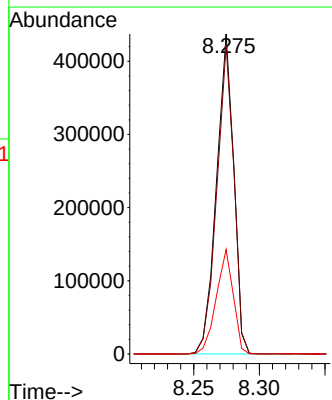
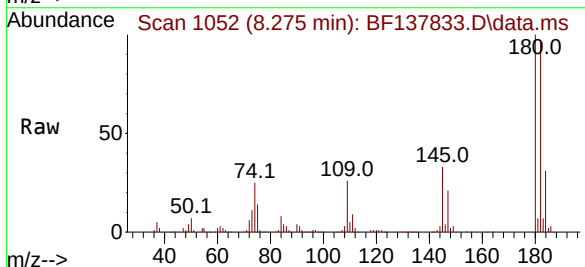
Tgt Ion:180 Resp: 398826

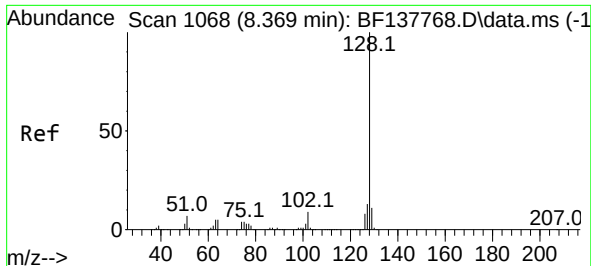
Ion Ratio Lower Upper

180 100

182 96.4 76.2 114.2

145 32.7 25.1 37.7

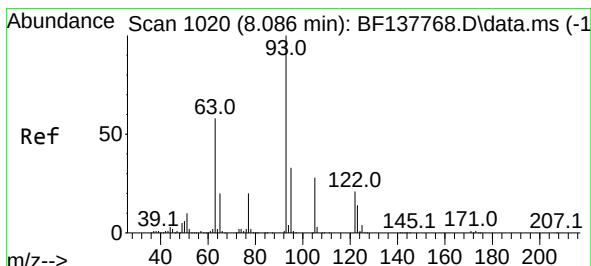
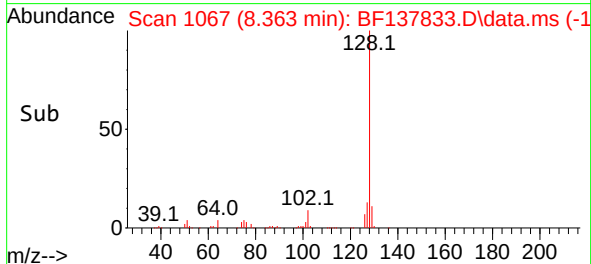
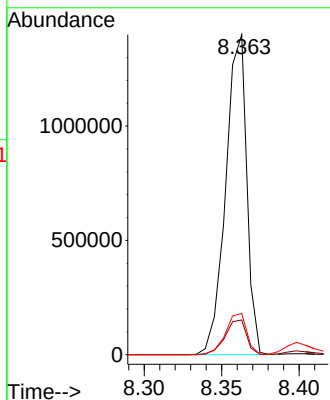
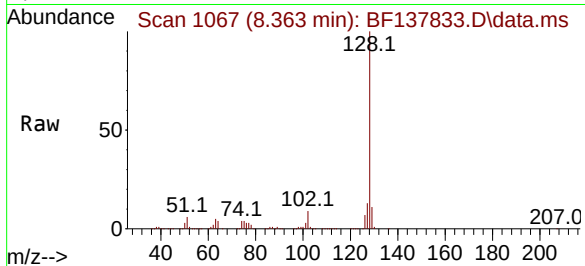




#31  
Naphthalene  
Concen: 42.573 ng  
RT: 8.363 min Scan# 1067  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

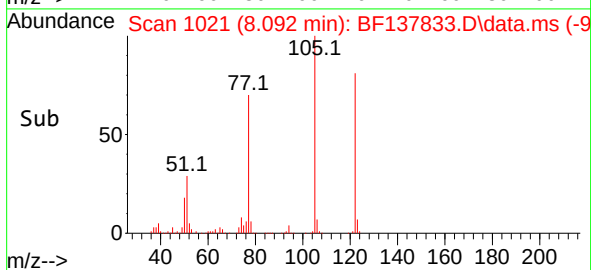
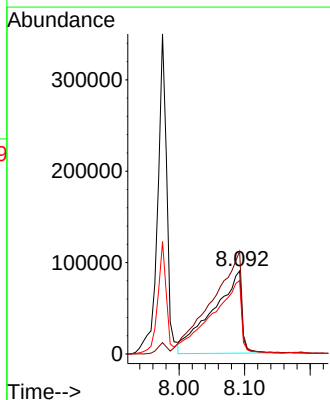
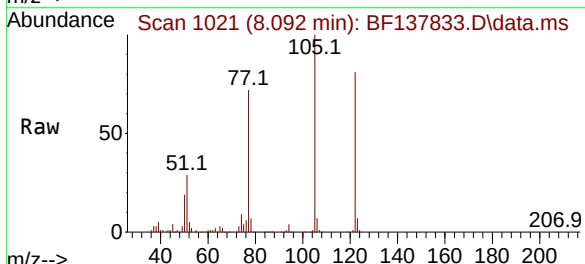
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

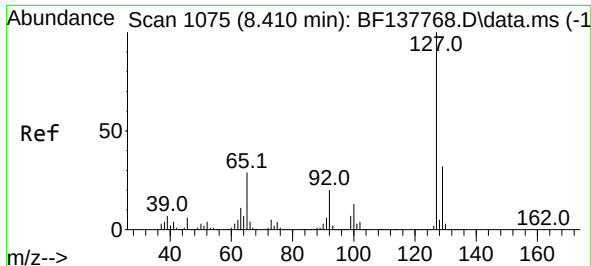
Tgt Ion:128 Resp: 1321657  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 12.9 10.6 16.0



#32  
Benzoic acid  
Concen: 44.326 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. 0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:122 Resp: 276273  
Ion Ratio Lower Upper  
122 100  
105 123.6 105.3 145.3  
77 88.6 73.2 113.2

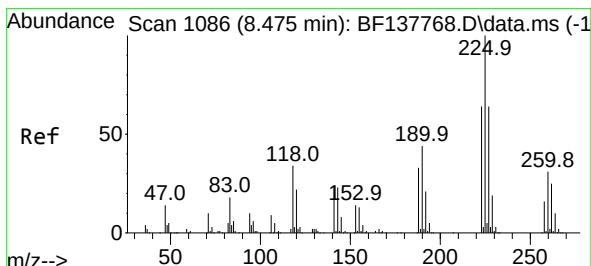
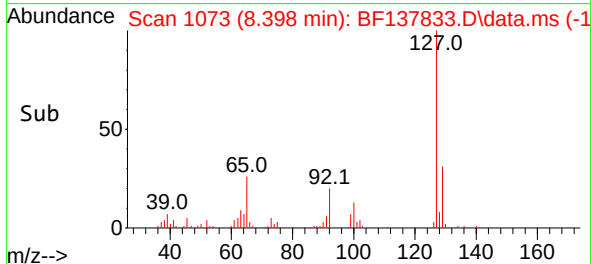
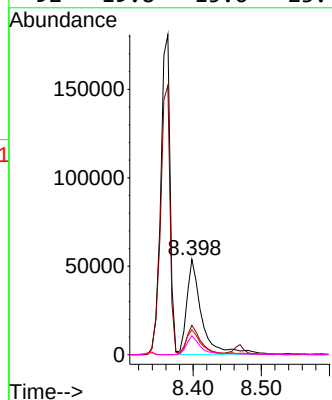
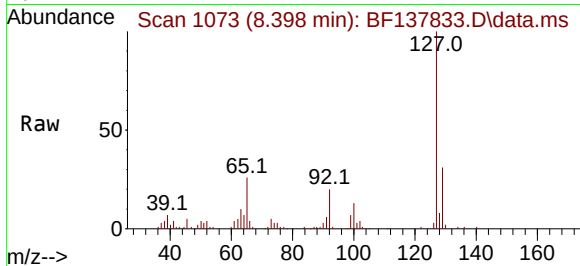




#33  
4-Chloroaniline  
Concen: 6.991 ng  
RT: 8.398 min Scan# 1073  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

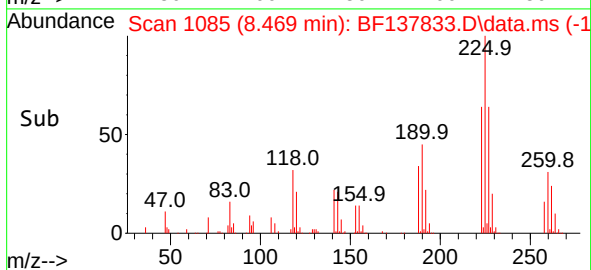
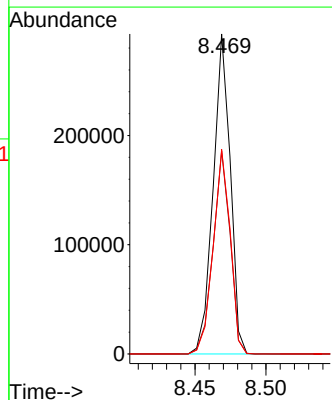
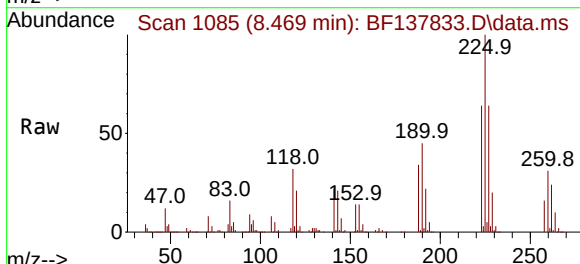
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

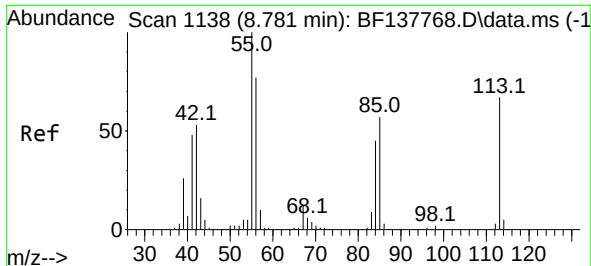
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 80476 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.8  | 25.7  | 38.5  |
| 65       | 26.2  | 23.4  | 35.2  |
| 92       | 19.8  | 15.6  | 23.4  |



#34  
Hexachlorobutadiene  
Concen: 41.968 ng  
RT: 8.469 min Scan# 1085  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 245284 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.5  | 51.1  | 76.7   |
| 227      | 63.9  | 51.4  | 77.0   |

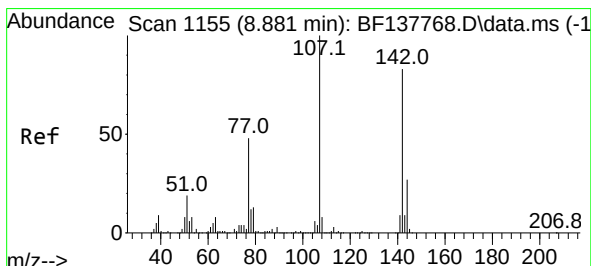
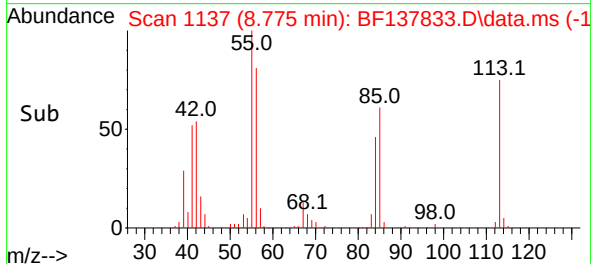
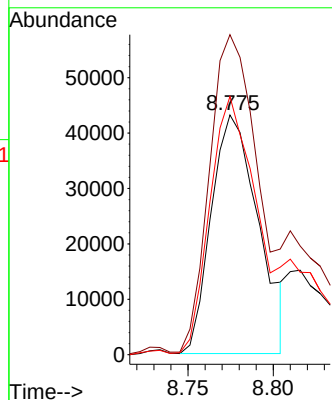
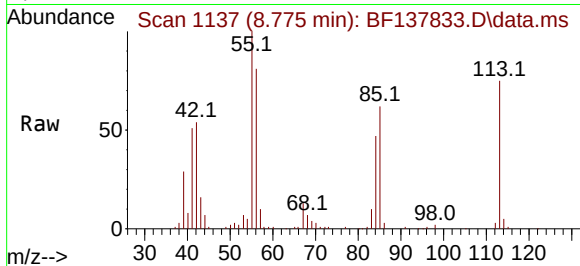




#35  
 Caprolactam  
 Concen: 29.839 ng  
 RT: 8.775 min Scan# 1137  
 Delta R.T. -0.006 min  
 Lab File: BF137833.D  
 Acq: 03 May 2024 17:20

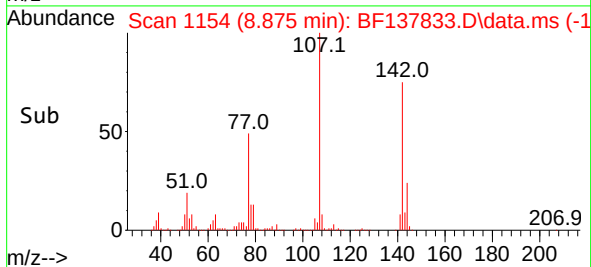
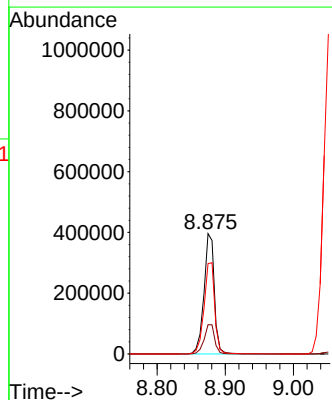
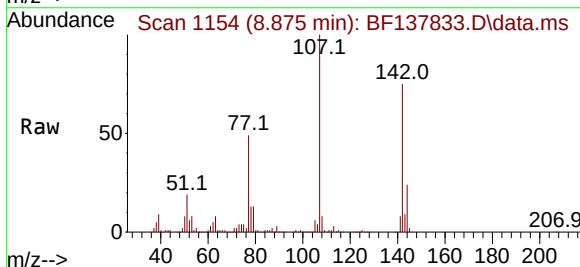
Instrument :  
 BNA\_F  
 ClientSampleId :  
 V359MSD

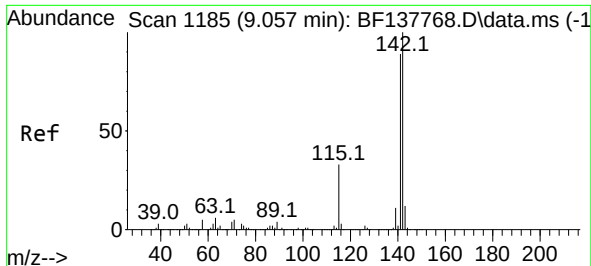
Tgt Ion:113 Resp: 82560  
 Ion Ratio Lower Upper  
 113 100  
 55 133.5 128.7 168.7  
 56 107.8 93.9 133.9



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.025 ng  
 RT: 8.875 min Scan# 1154  
 Delta R.T. -0.006 min  
 Lab File: BF137833.D  
 Acq: 03 May 2024 17:20

Tgt Ion:107 Resp: 419123  
 Ion Ratio Lower Upper  
 107 100  
 144 24.3 21.4 32.0  
 142 75.1 66.2 99.2

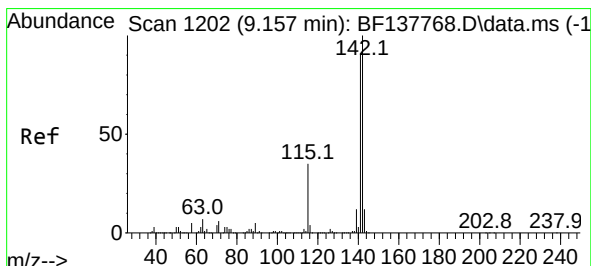
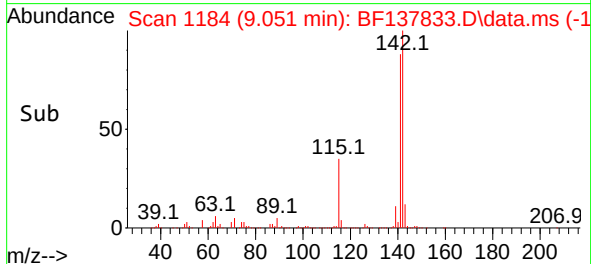
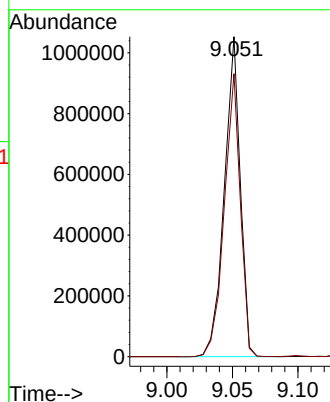
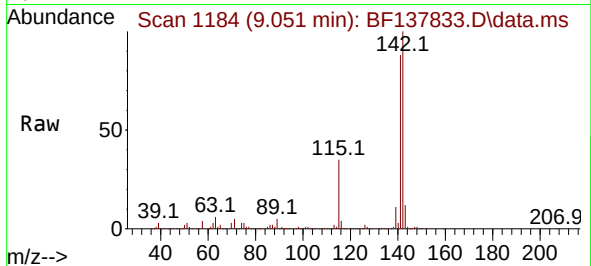




#37  
2-Methylnaphthalene  
Concen: 44.191 ng  
RT: 9.051 min Scan# 1184  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

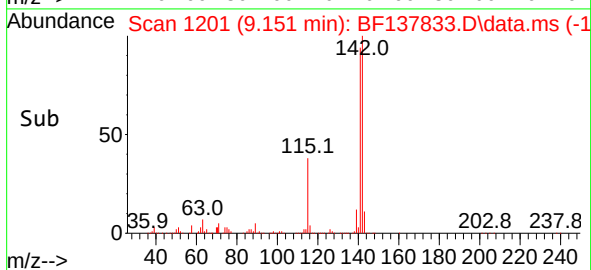
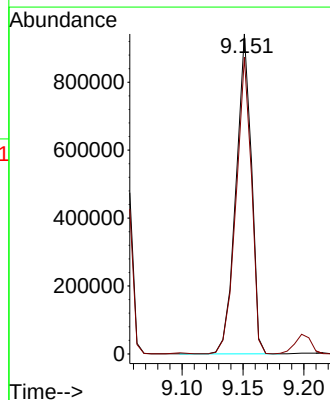
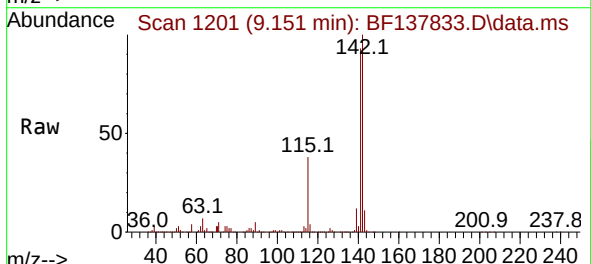
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

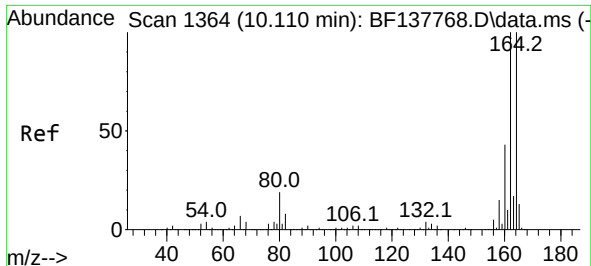
Tgt Ion:142 Resp: 888019  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.8 106.2



#38  
1-Methylnaphthalene  
Concen: 41.936 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:142 Resp: 829089  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.1 109.7

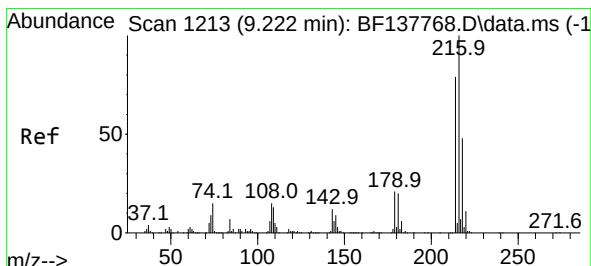
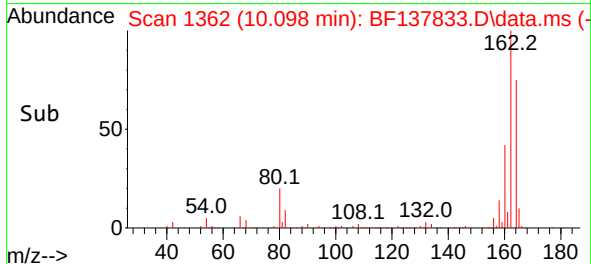
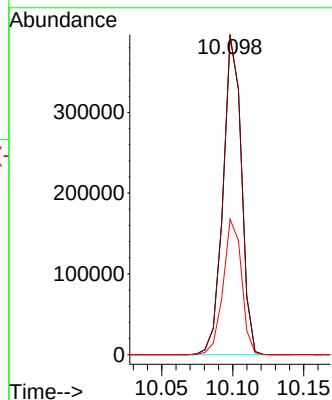
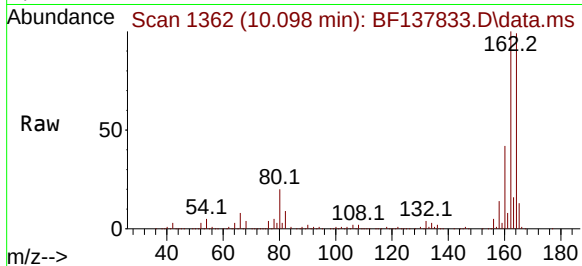




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.098 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

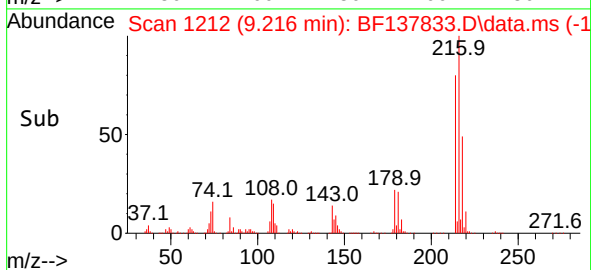
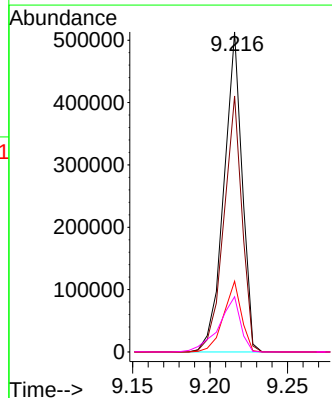
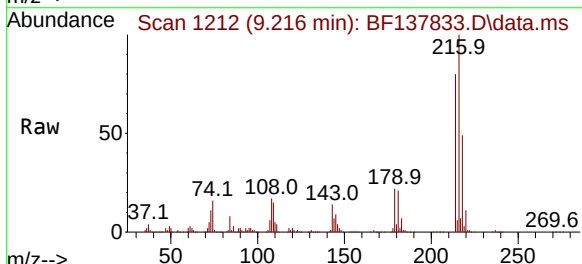
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

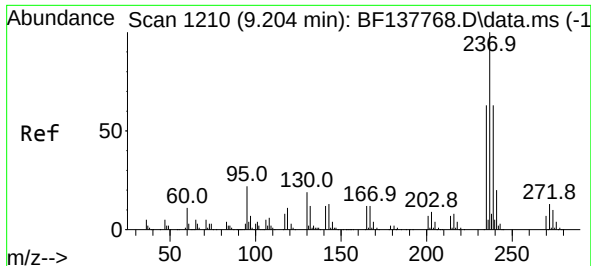
Tgt Ion:164 Resp: 353467  
Ion Ratio Lower Upper  
164 100  
162 100.7 79.8 119.6  
160 42.6 34.4 51.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.938 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:216 Resp: 420700  
Ion Ratio Lower Upper  
216 100  
214 79.3 63.3 94.9  
179 21.6 16.8 25.2  
108 20.4 14.3 21.5

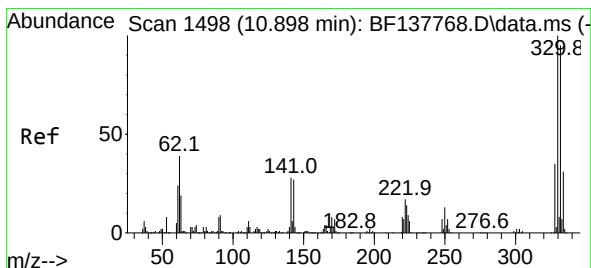
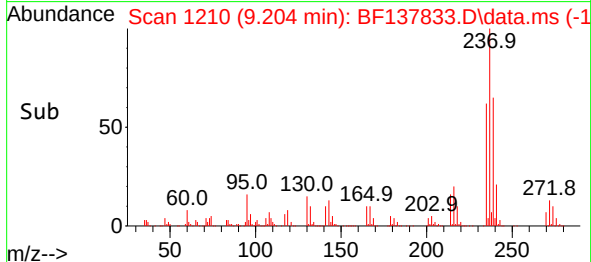
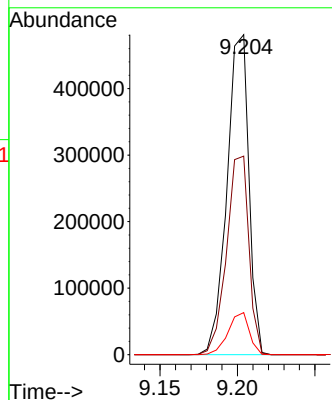
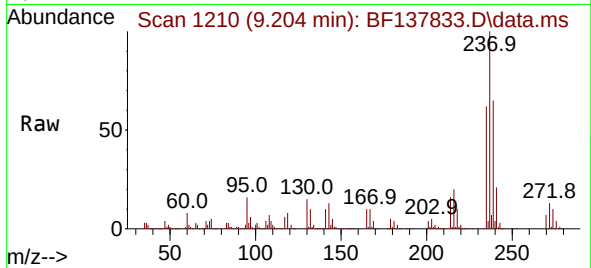




#41  
Hexachlorocyclopentadiene  
Concen: 124.703 ng  
RT: 9.204 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

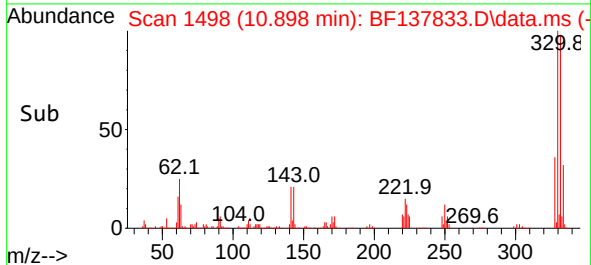
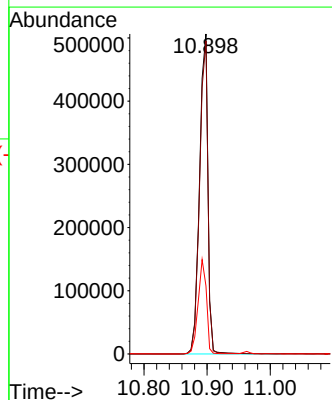
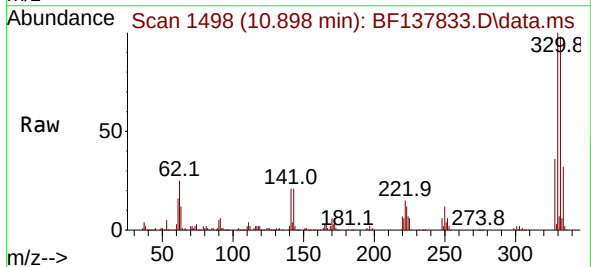
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

Tgt Ion:237 Resp: 474185  
Ion Ratio Lower Upper  
237 100  
235 62.1 43.0 83.0  
272 13.1 0.0 32.8

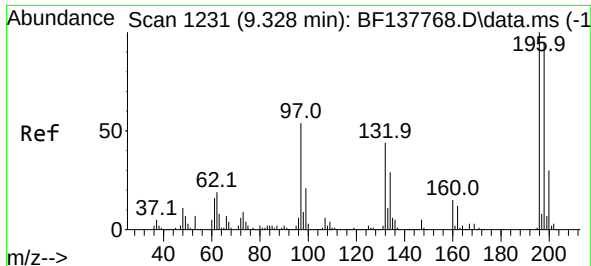


#42  
2,4,6-Tribromophenol  
Concen: 128.333 ng  
RT: 10.898 min Scan# 1498  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:330 Resp: 463151  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.3 115.9  
141 29.6 23.8 35.6







#43

2,4,6-Trichlorophenol

Concen: 46.690 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

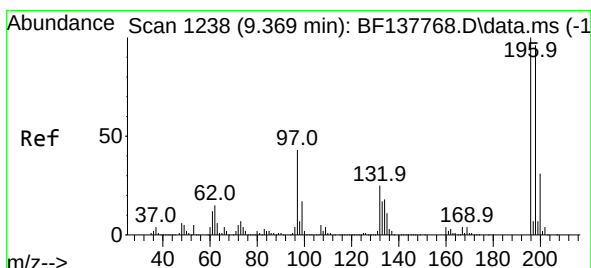
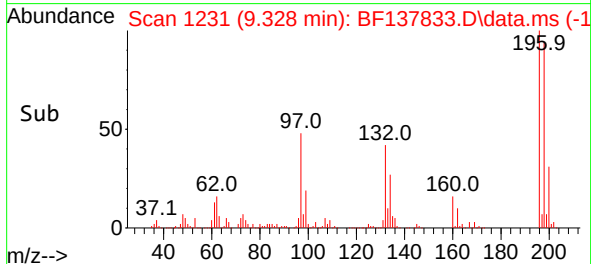
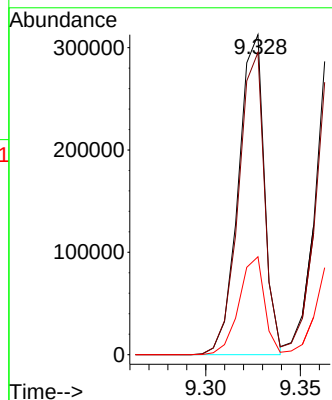
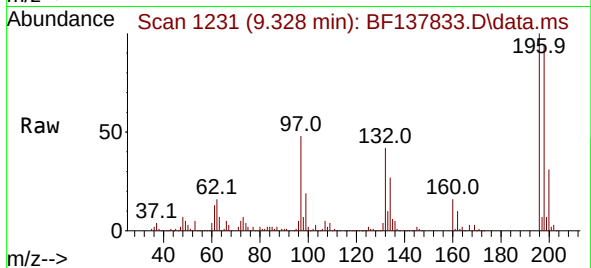
Tgt Ion:196 Resp: 297537

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.4

200 30.6 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 45.792 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Tgt Ion:196 Resp: 322222

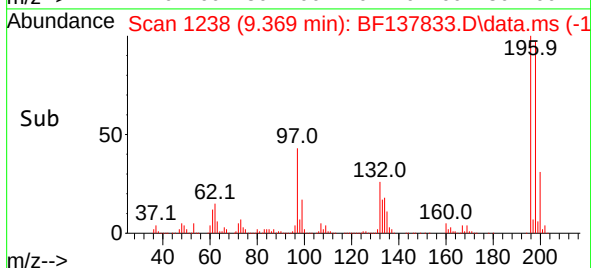
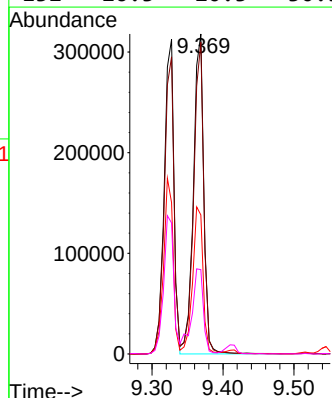
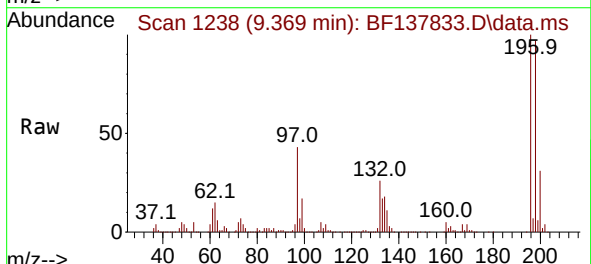
Ion Ratio Lower Upper

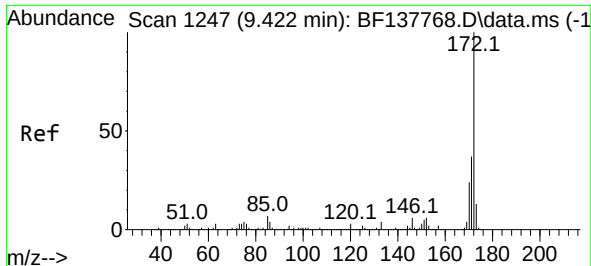
196 100

198 97.4 76.6 114.8

97 43.4 34.5 51.7

132 26.3 20.3 30.5





#45

2-Fluorobiphenyl

Concen: 87.431 ng

RT: 9.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

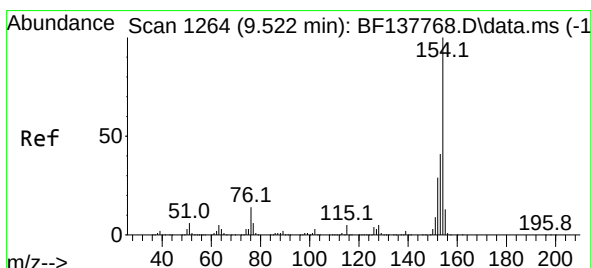
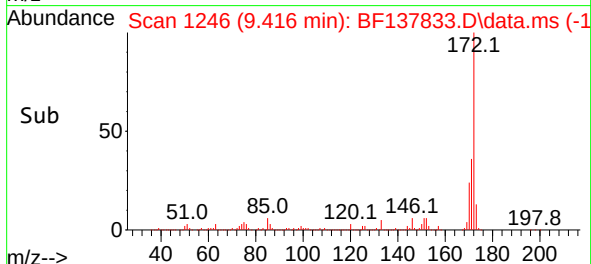
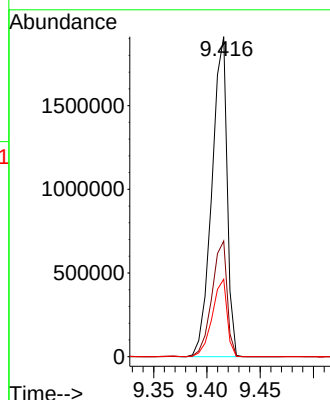
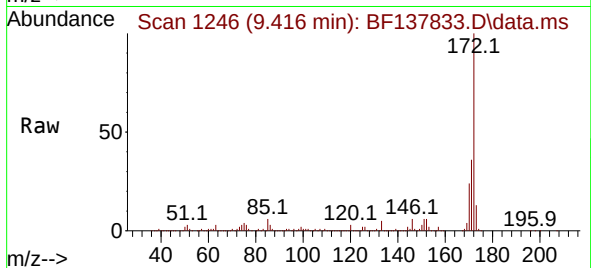
Tgt Ion:172 Resp: 1904872

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

170 24.2 19.4 29.2



#46

1,1'-Biphenyl

Concen: 45.845 ng

RT: 9.516 min Scan# 1263

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

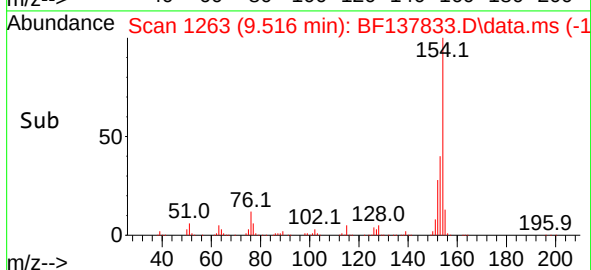
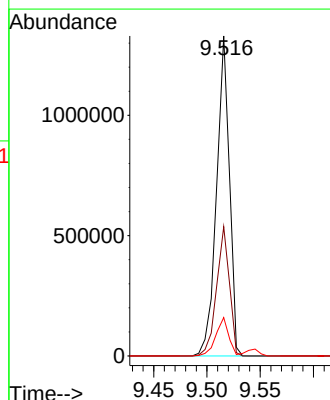
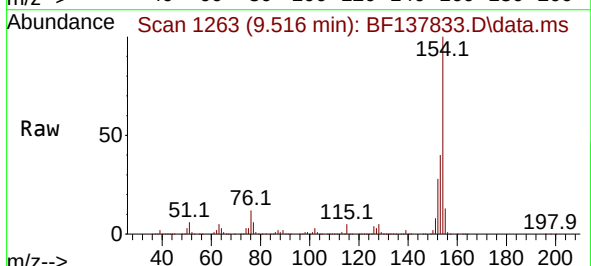
Tgt Ion:154 Resp: 1112098

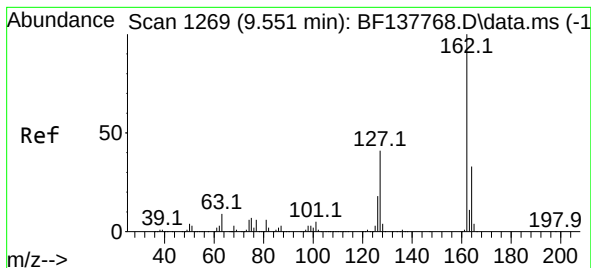
Ion Ratio Lower Upper

154 100

153 40.4 21.4 61.4

76 12.0 0.0 33.5





#47

2-Chloronaphthalene

Concen: 43.538 ng

RT: 9.545 min Scan# 1268

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

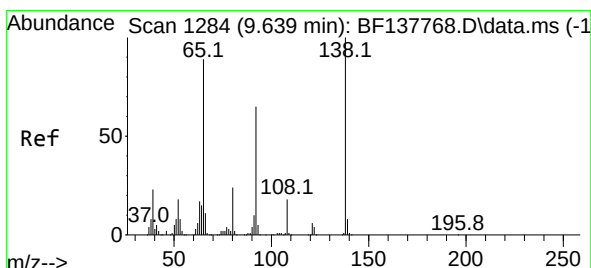
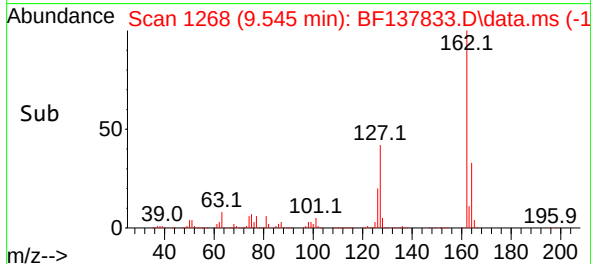
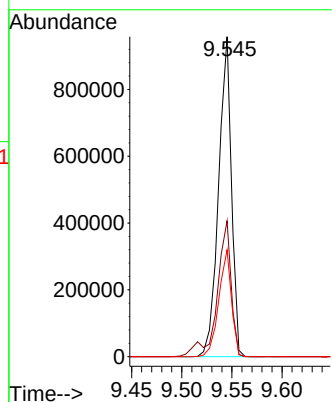
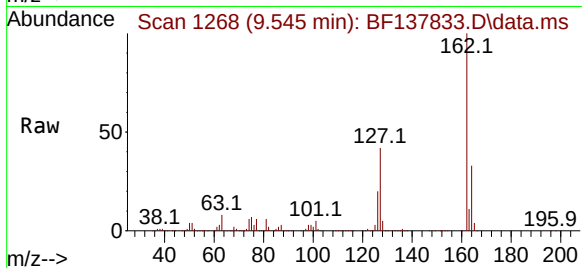
Tgt Ion:162 Resp: 852666

Ion Ratio Lower Upper

162 100

127 42.4 32.6 49.0

164 33.4 26.5 39.7



#48

2-Nitroaniline

Concen: 43.685 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.000 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

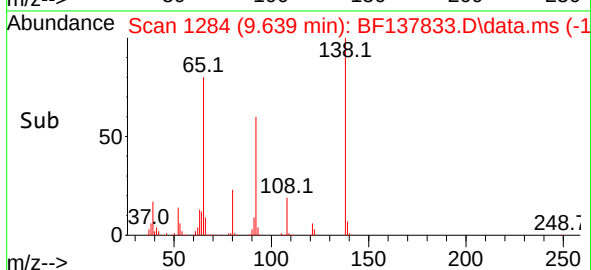
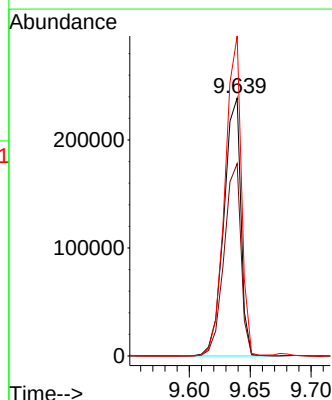
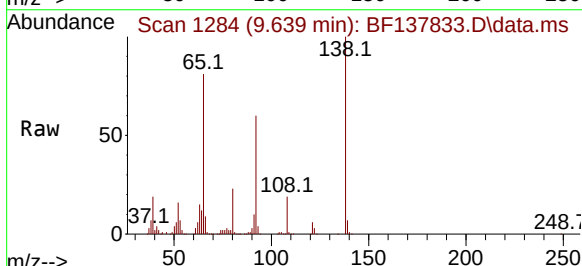
Tgt Ion: 65 Resp: 232033

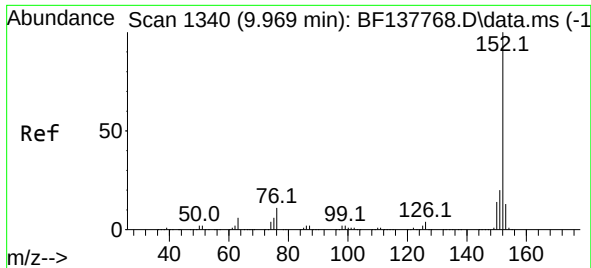
Ion Ratio Lower Upper

65 100

92 74.6 58.6 88.0

138 124.1 90.3 135.5

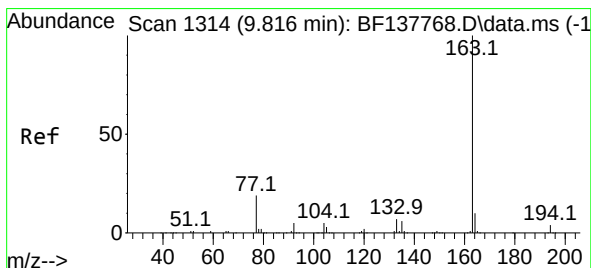
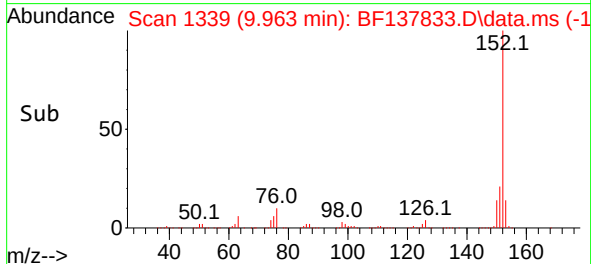
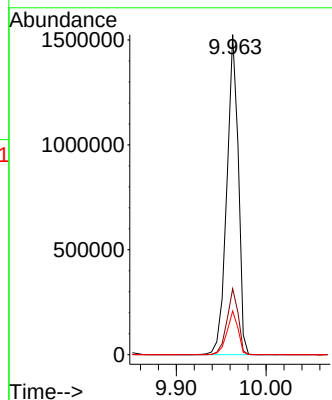
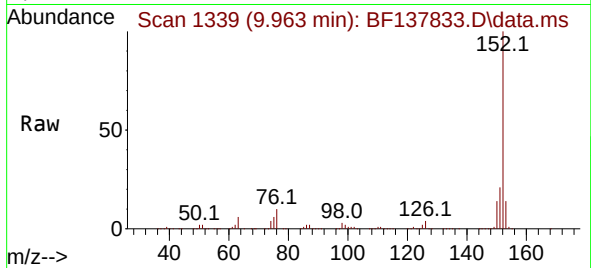




#49  
Acenaphthylene  
Concen: 47.789 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

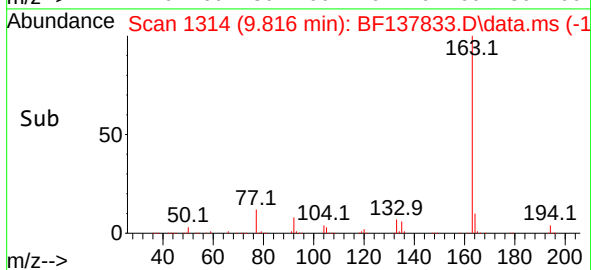
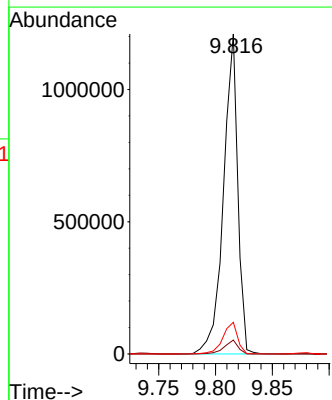
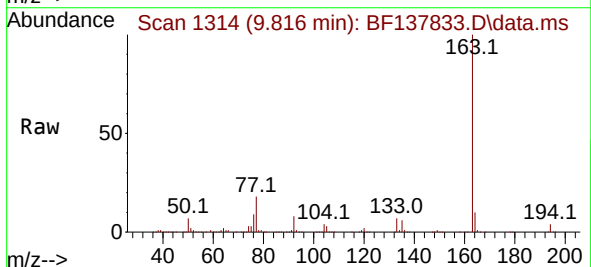
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

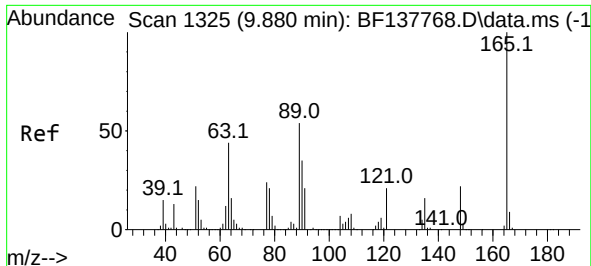
Tgt Ion:152 Resp: 1353871  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.4  
153 13.6 10.8 16.2



#50  
Dimethylphthalate  
Concen: 47.533 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:163 Resp: 1060658  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.3 4.9  
164 9.9 8.3 12.5

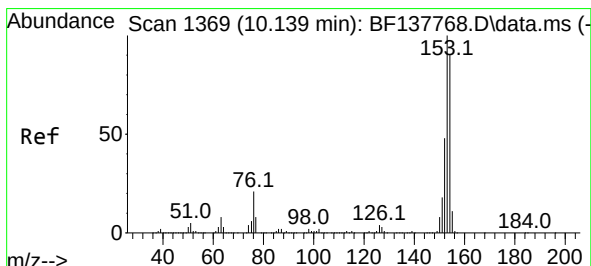
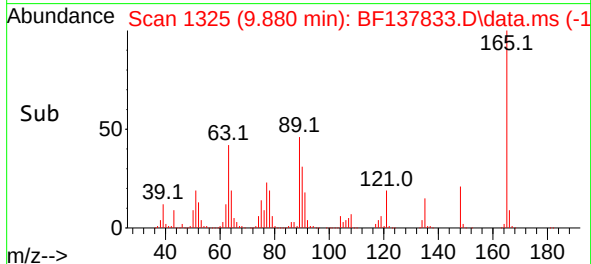
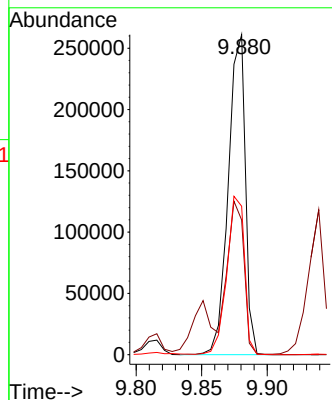
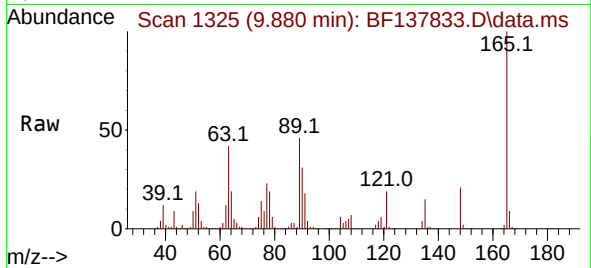




#51  
2,6-Dinitrotoluene  
Concen: 46.353 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

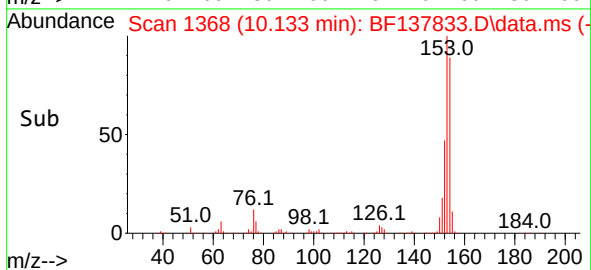
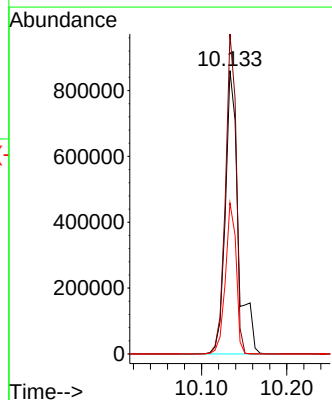
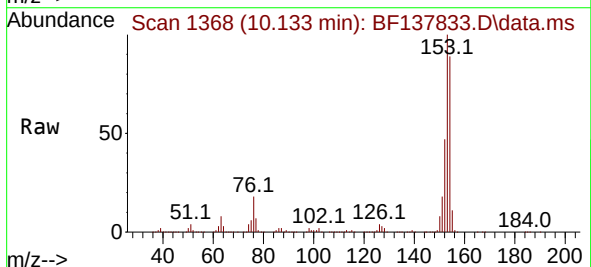
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

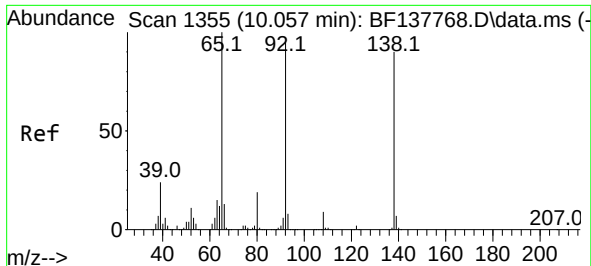
Tgt Ion:165 Resp: 236373  
Ion Ratio Lower Upper  
165 100  
63 42.1 41.9 62.9  
89 46.4 43.2 64.8



#52  
Acenaphthene  
Concen: 48.292 ng  
RT: 10.133 min Scan# 1368  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:154 Resp: 906853  
Ion Ratio Lower Upper  
154 100  
153 112.9 88.7 133.1  
152 53.3 42.8 64.2

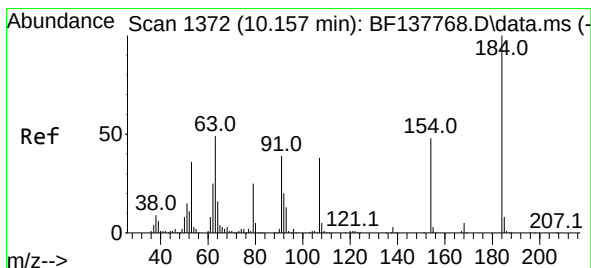
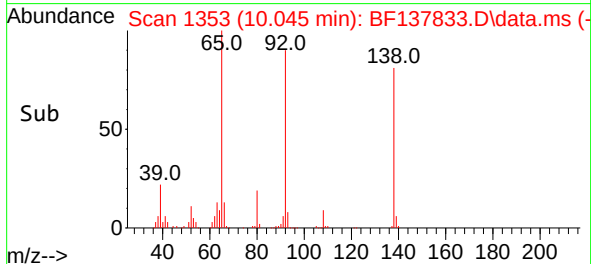
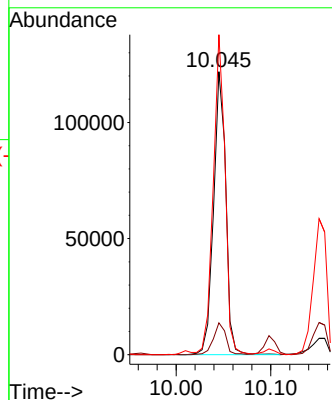
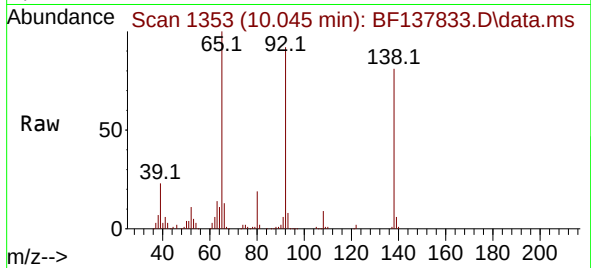




#53  
3-Nitroaniline  
Concen: 20.470 ng  
RT: 10.045 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

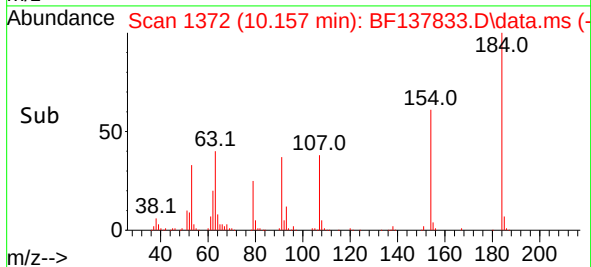
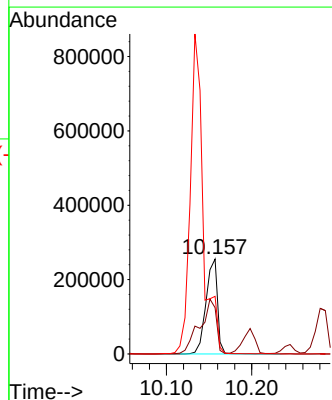
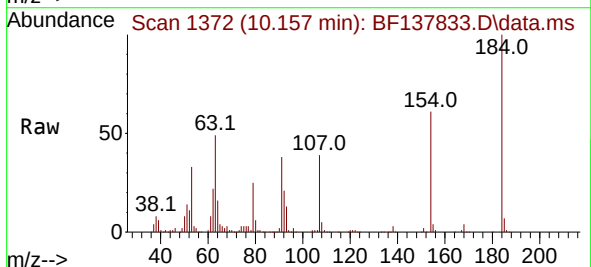
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

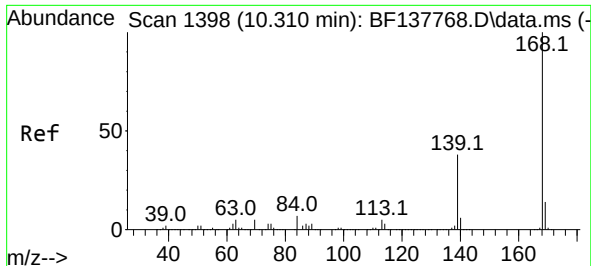
Tgt Ion:138 Resp: 109313  
Ion Ratio Lower Upper  
138 100  
108 11.3 7.8 11.6  
92 113.0 84.6 126.8



#54  
2,4-Dinitrophenol  
Concen: 95.364 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:184 Resp: 238950  
Ion Ratio Lower Upper  
184 100  
63 48.7 40.3 60.5  
154 60.8 45.2 67.8

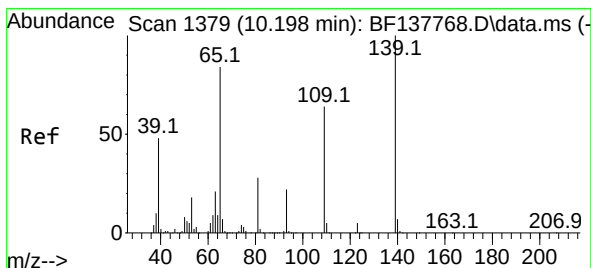
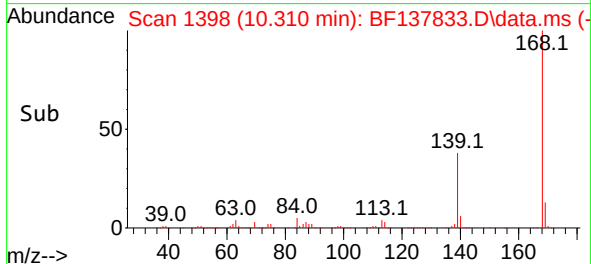
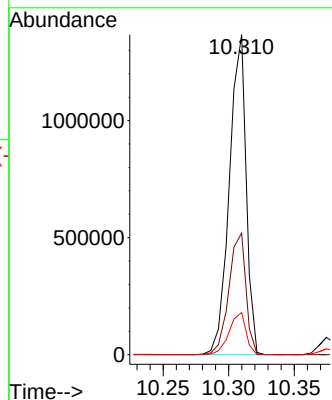
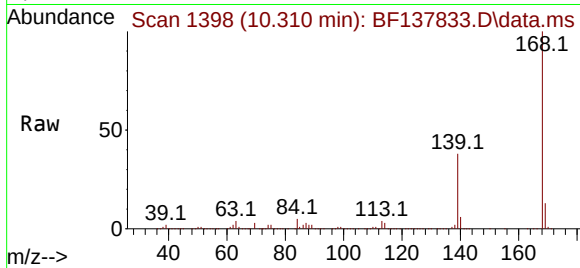




#55  
Dibenzofuran  
Concen: 44.493 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

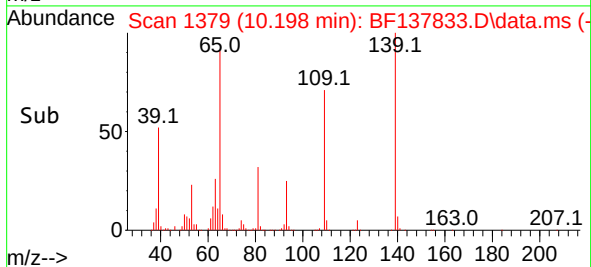
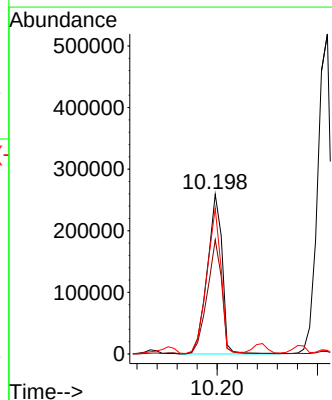
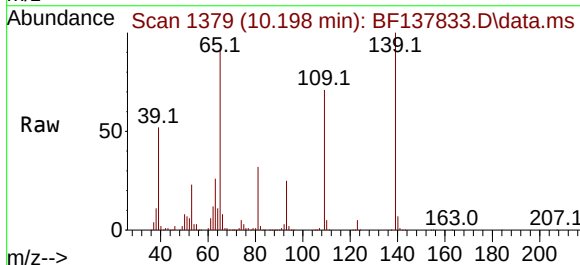
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

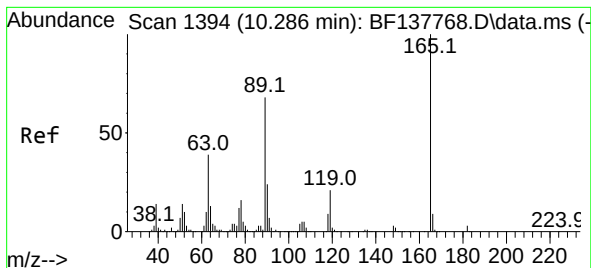
Tgt Ion:168 Resp: 1215860  
Ion Ratio Lower Upper  
168 100  
139 38.0 30.2 45.4  
169 13.2 11.4 17.0



#56  
4-Nitrophenol  
Concen: 60.521 ng  
RT: 10.198 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:139 Resp: 267864  
Ion Ratio Lower Upper  
139 100  
109 71.5 44.0 84.0  
65 91.2 64.3 104.3

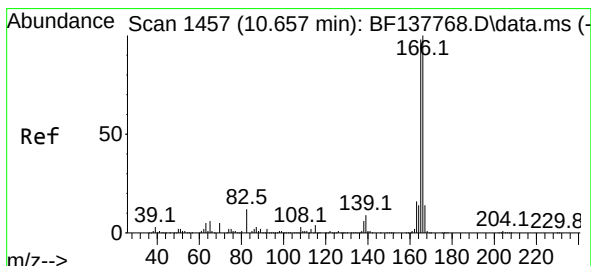
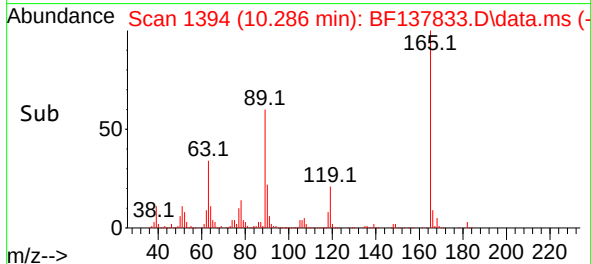
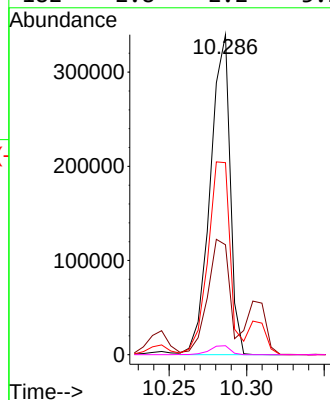
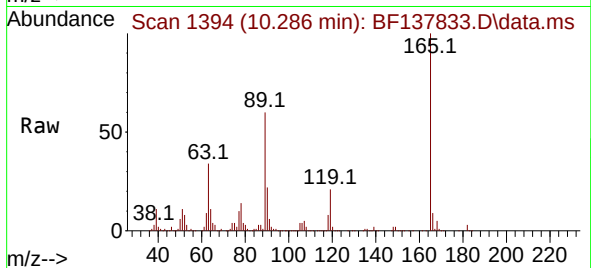




#57  
2,4-Dinitrotoluene  
Concen: 45.381 ng  
RT: 10.286 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

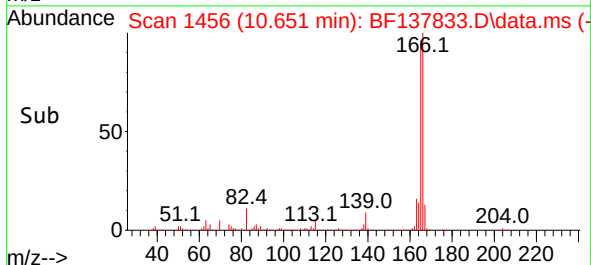
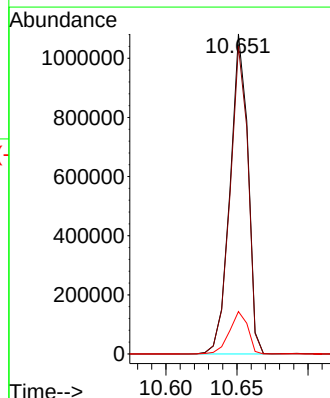
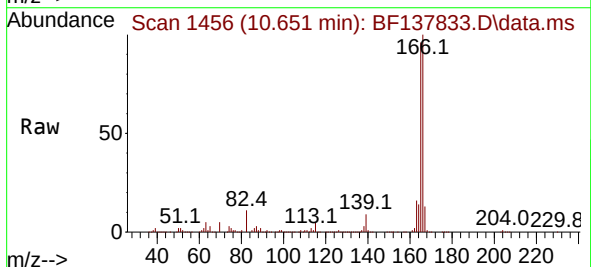
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

Tgt Ion:165 Resp: 302331  
Ion Ratio Lower Upper  
165 100  
63 34.3 31.3 46.9  
89 60.0 54.2 81.4  
182 2.8 2.2 3.2

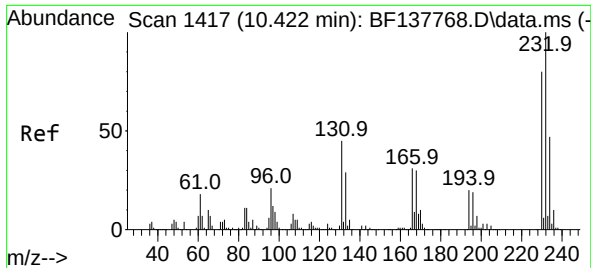


#58  
Fluorene  
Concen: 43.557 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:166 Resp: 947295  
Ion Ratio Lower Upper  
166 100  
165 96.1 78.2 117.2  
167 13.3 10.9 16.3



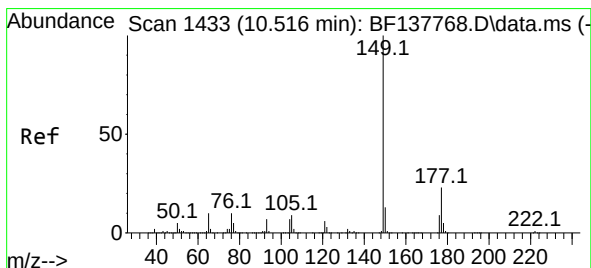
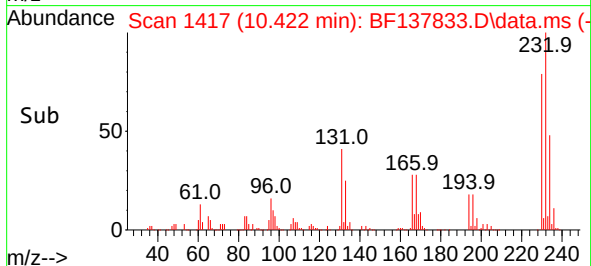
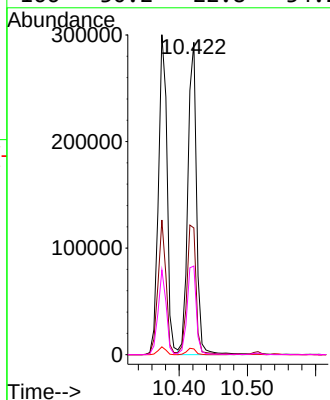
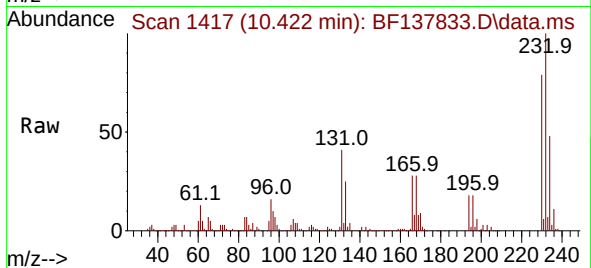




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.030 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

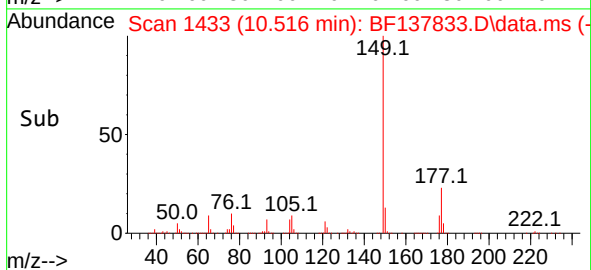
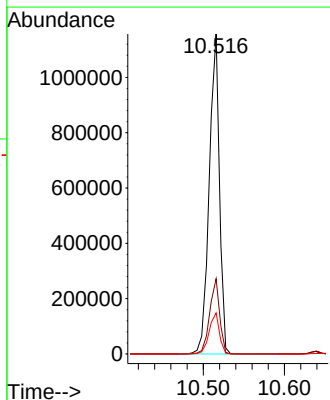
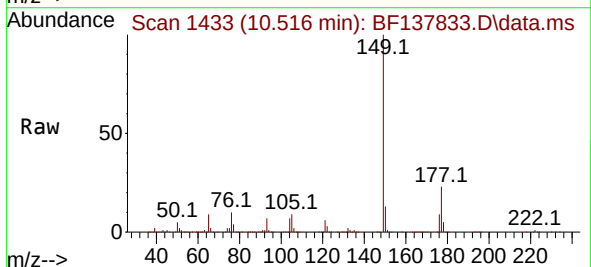
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

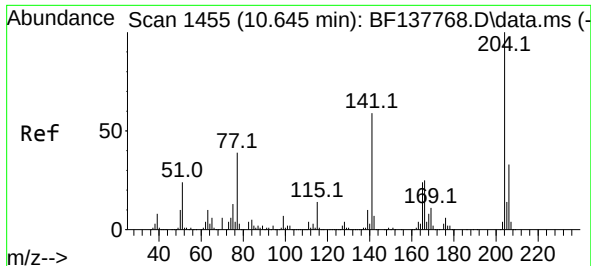
Tgt Ion:232 Resp: 257247  
Ion Ratio Lower Upper  
232 100  
131 43.5 33.4 50.0  
130 2.1 1.7 2.5  
166 30.2 22.8 34.2



#60  
Diethylphthalate  
Concen: 47.418 ng  
RT: 10.516 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:149 Resp: 1004918  
Ion Ratio Lower Upper  
149 100  
177 23.5 18.4 27.6  
150 12.8 10.5 15.7

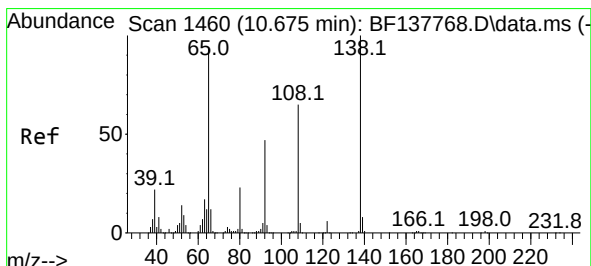
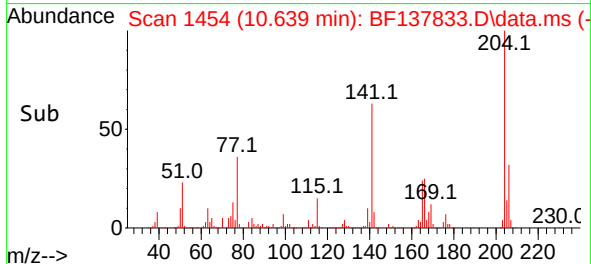
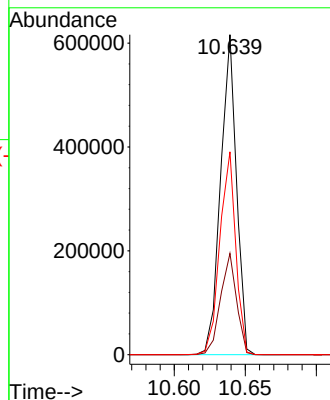
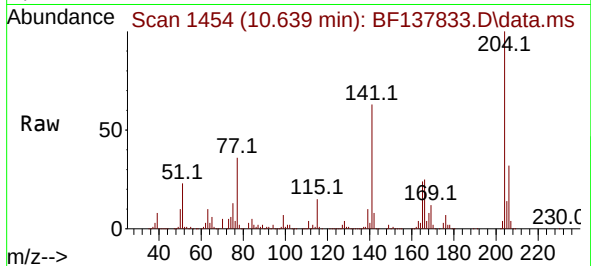




#61  
4-Chlorophenyl-phenylether  
Concen: 44.665 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

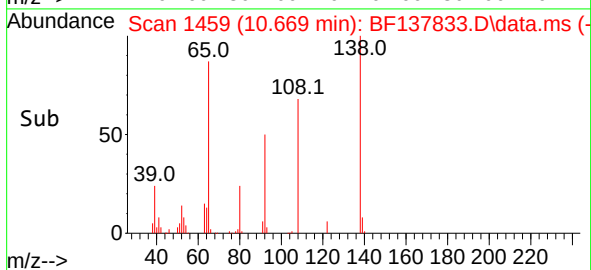
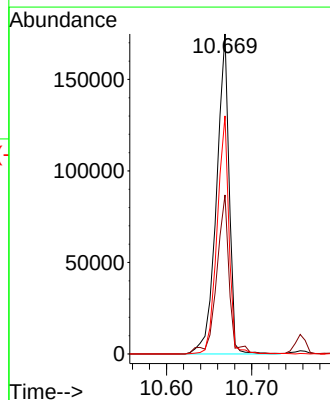
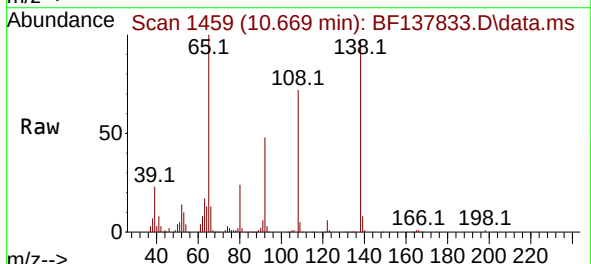
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

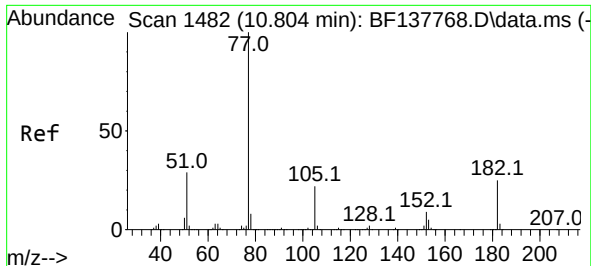
Tgt Ion:204 Resp: 478639  
Ion Ratio Lower Upper  
204 100  
206 31.6 26.4 39.6  
141 63.4 47.0 70.6



#62  
4-Nitroaniline  
Concen: 33.334 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:138 Resp: 180555  
Ion Ratio Lower Upper  
138 100  
92 49.7 26.8 66.8  
108 74.4 44.7 84.7

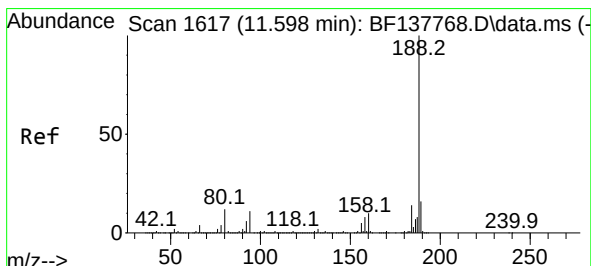
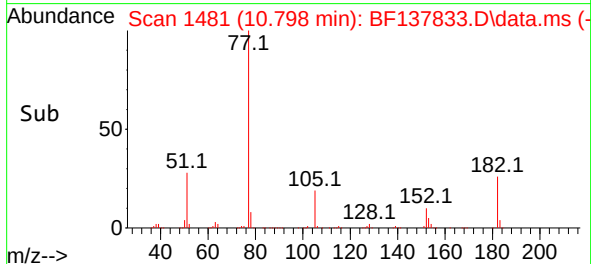
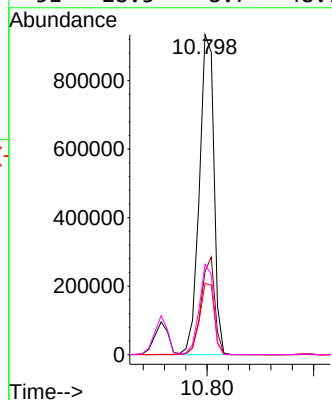
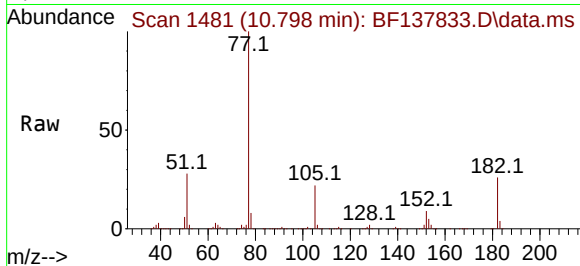




#63  
Azobenzene  
Concen: 43.469 ng  
RT: 10.798 min Scan# 1482  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

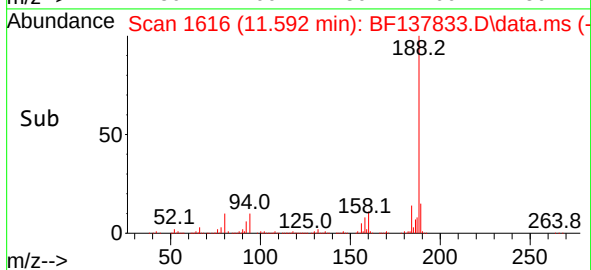
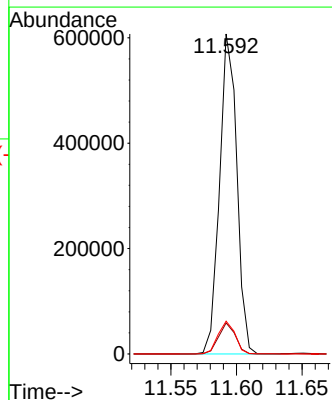
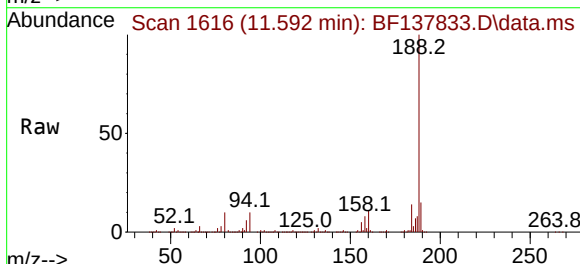
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

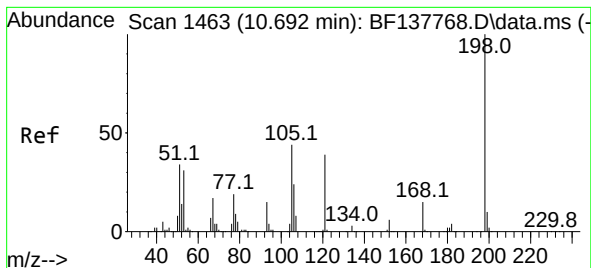
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 890361 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 26.0    | 5.1 45.1     |
| 105 22.3    | 2.2 42.2     |
| 51 28.3     | 8.7 48.7     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.592 min Scan# 1616  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 554601 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.7      | 8.8 13.2     |
| 80 10.3     | 9.6 14.4     |

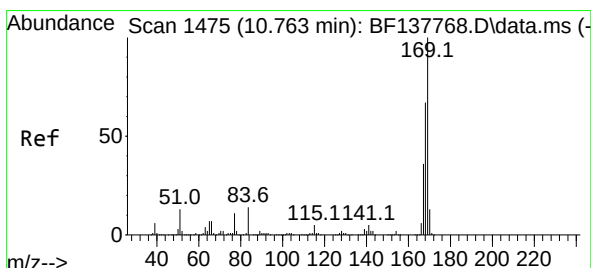
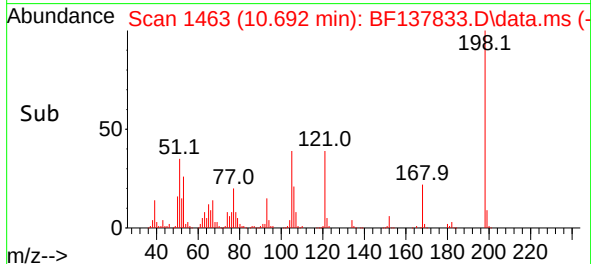
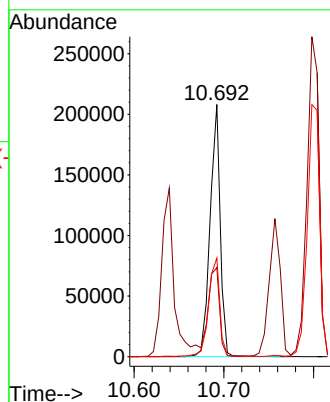
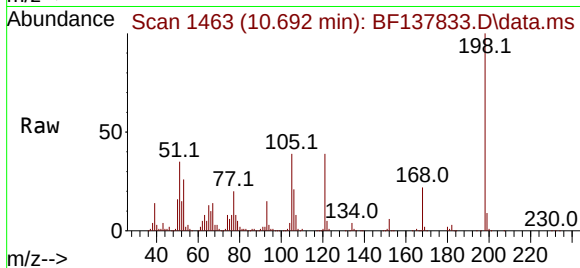




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.345 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. 0.000 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

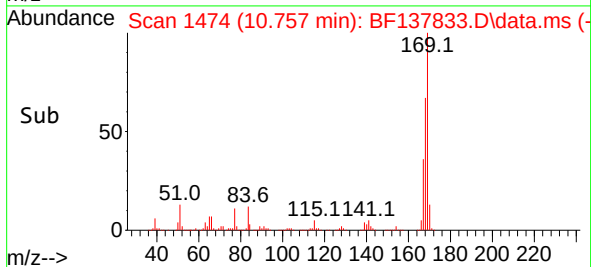
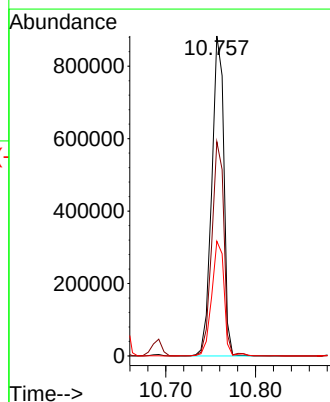
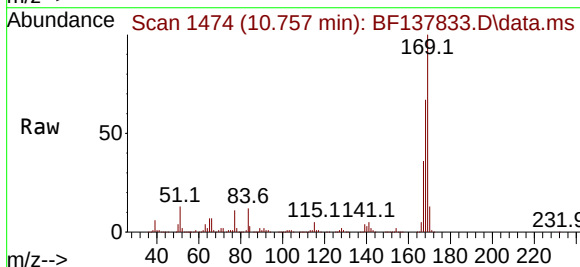
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

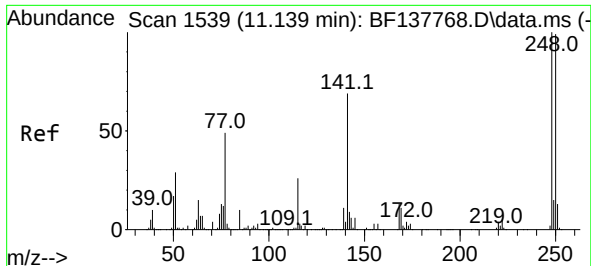
Tgt Ion:198 Resp: 163441  
Ion Ratio Lower Upper  
198 100  
51 35.3 25.1 65.1  
105 39.1 24.1 64.1



#66  
n-Nitrosodiphenylamine  
Concen: 49.777 ng  
RT: 10.757 min Scan# 1474  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:169 Resp: 826364  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.3 79.9  
167 35.9 29.2 43.8

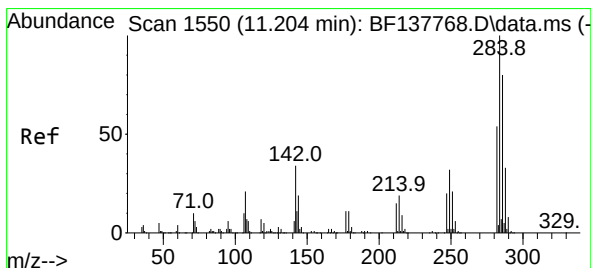
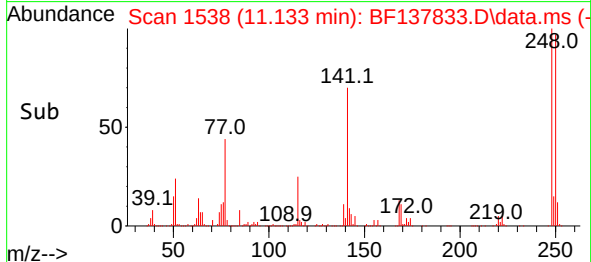
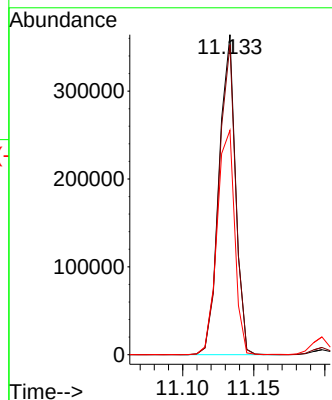
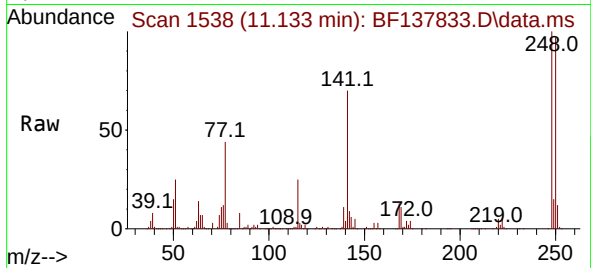




#67  
4-Bromophenyl-phenylether  
Concen: 49.598 ng  
RT: 11.133 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

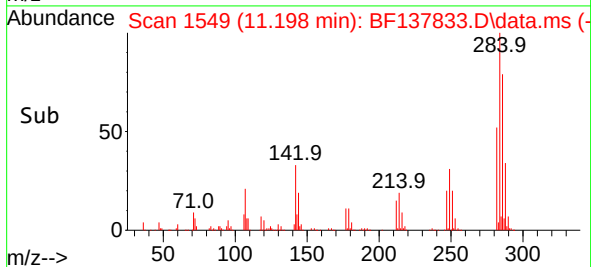
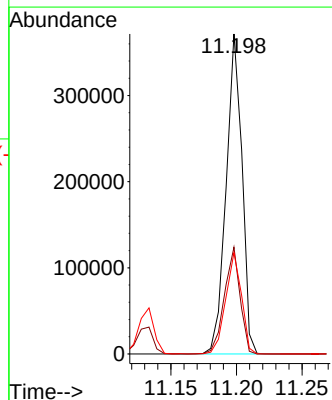
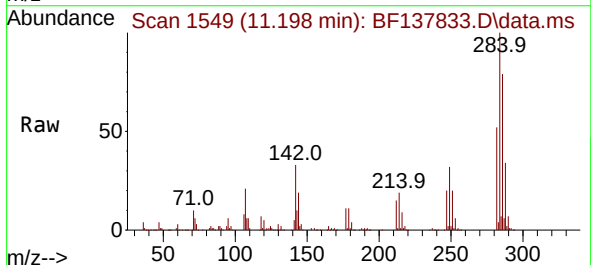
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

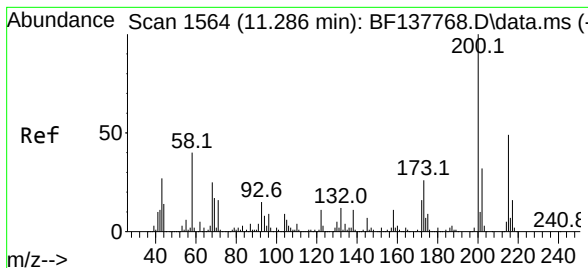
Tgt Ion:248 Resp: 294385  
Ion Ratio Lower Upper  
248 100  
250 96.9 79.1 118.7  
141 70.1 55.4 83.2



#68  
Hexachlorobenzene  
Concen: 47.985 ng  
RT: 11.198 min Scan# 1549  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:284 Resp: 311245  
Ion Ratio Lower Upper  
284 100  
142 33.3 27.3 40.9  
249 31.6 25.6 38.4





#69

Atrazine

Concen: 53.568 ng

RT: 11.280 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

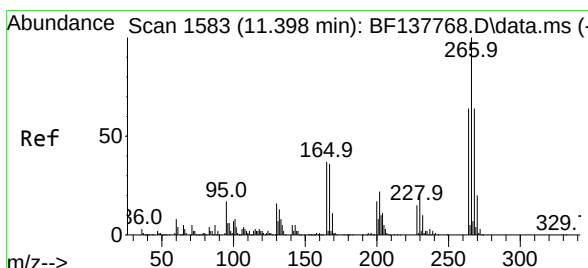
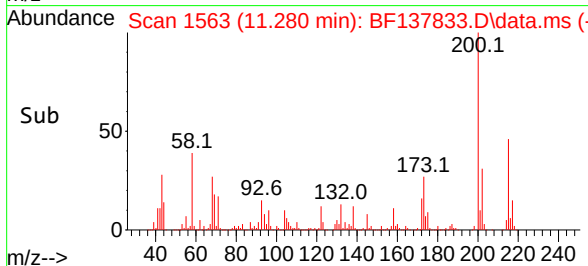
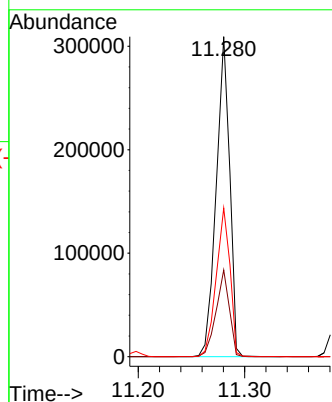
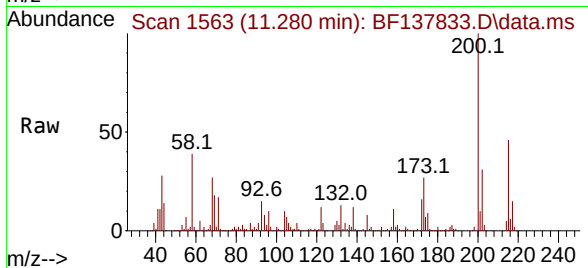
Tgt Ion:200 Resp: 271159

Ion Ratio Lower Upper

200 100

173 27.1 5.9 45.9

215 46.4 28.8 68.8



#70

Pentachlorophenol

Concen: 81.873 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

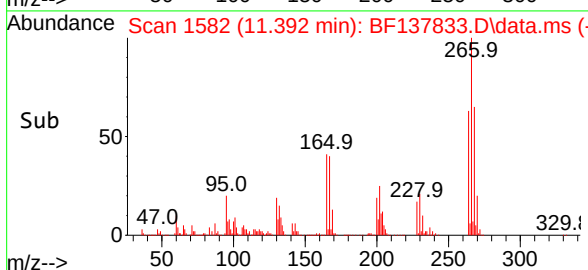
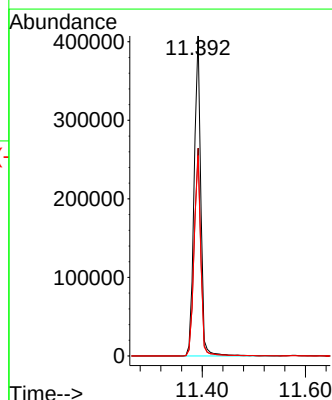
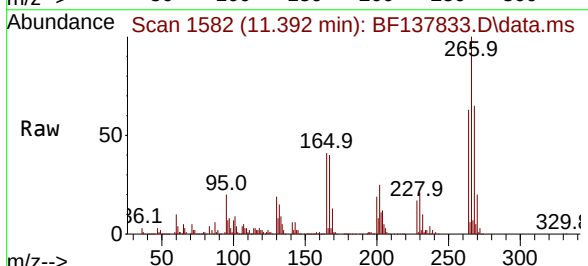
Tgt Ion:266 Resp: 364590

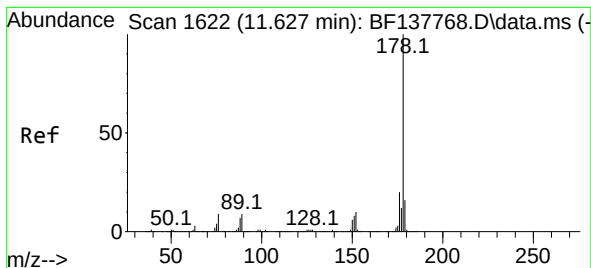
Ion Ratio Lower Upper

266 100

268 65.0 51.3 76.9

264 62.6 51.0 76.4





#71

Phenanthrene

Concen: 45.507 ng

RT: 11.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

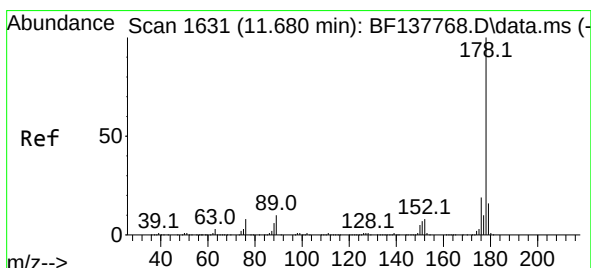
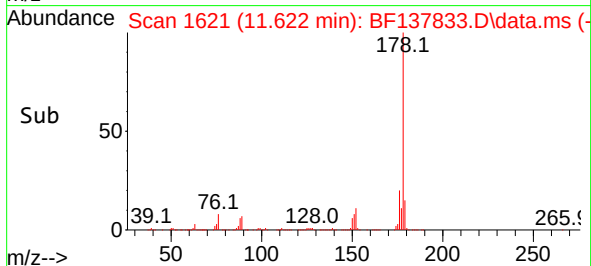
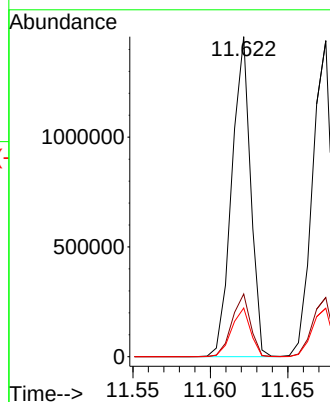
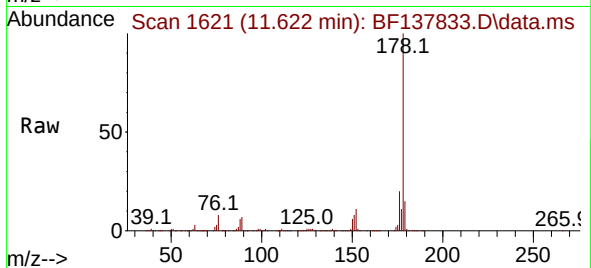
Tgt Ion:178 Resp: 1230158

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.2 12.5 18.7



#72

Anthracene

Concen: 46.502 ng

RT: 11.674 min Scan# 1630

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

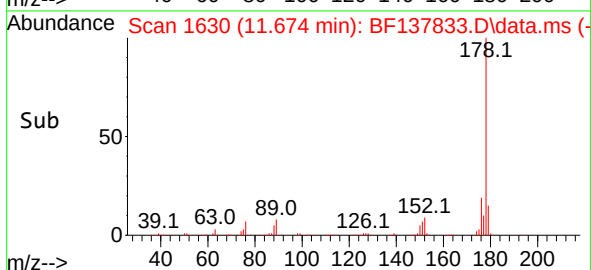
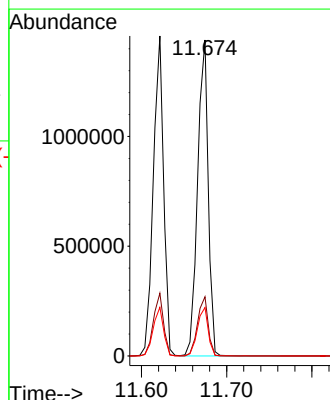
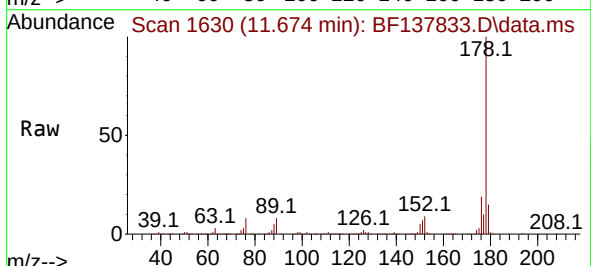
Tgt Ion:178 Resp: 1250752

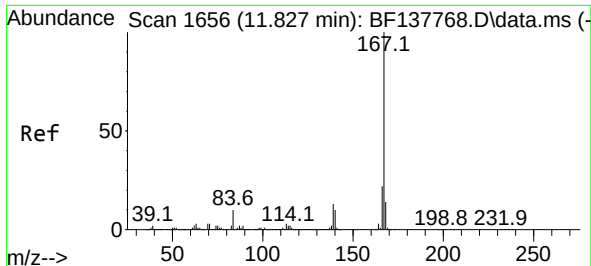
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 15.3 12.6 18.8

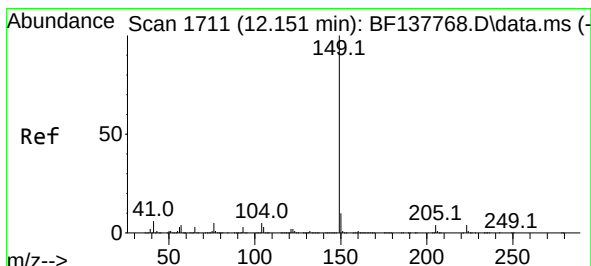
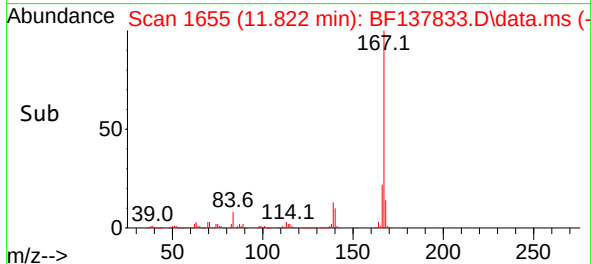
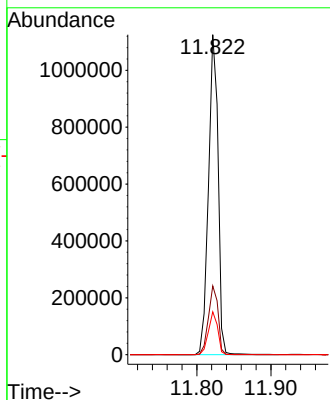
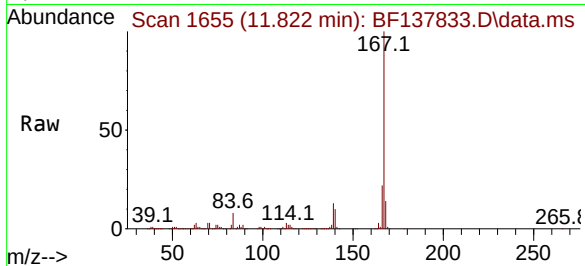




#73  
 Carbazole  
 Concen: 39.099 ng  
 RT: 11.822 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: BF137833.D  
 Acq: 03 May 2024 17:20

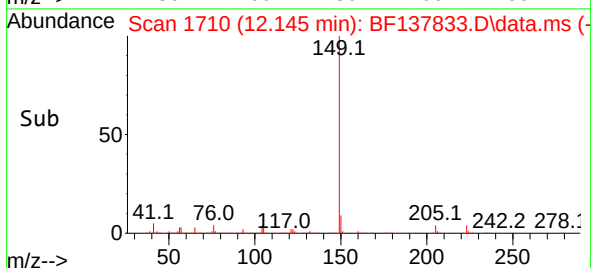
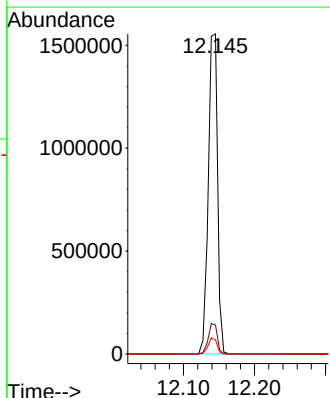
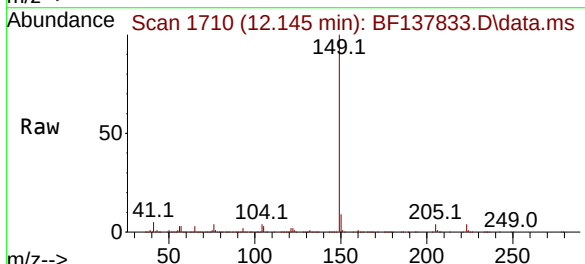
Instrument :  
 BNA\_F  
 ClientSampleId :  
 V359MSD

Tgt Ion:167 Resp: 1013522  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.6 26.4  
 139 13.4 10.5 15.7

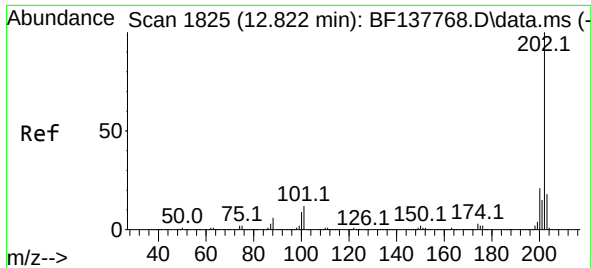


#74  
 Di-n-butylphthalate  
 Concen: 50.024 ng  
 RT: 12.145 min Scan# 1710  
 Delta R.T. -0.006 min  
 Lab File: BF137833.D  
 Acq: 03 May 2024 17:20

Tgt Ion:149 Resp: 1414501  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.7 11.5  
 104 4.4 3.8 5.8



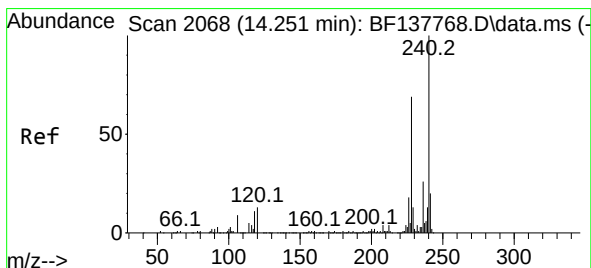
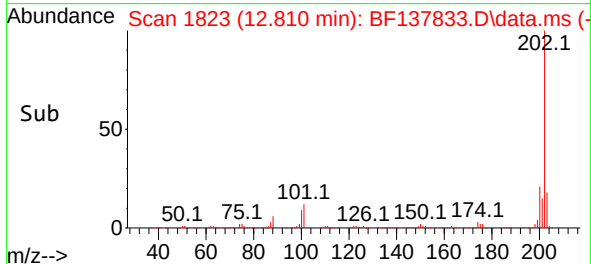
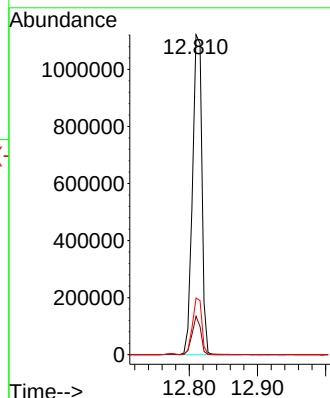
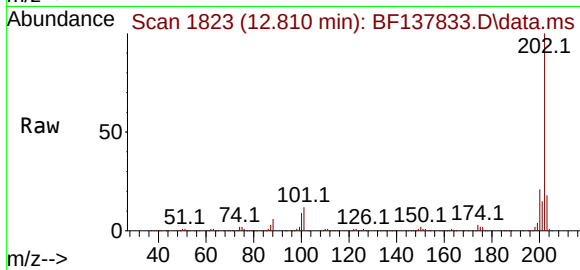




#75  
Fluoranthene  
Concen: 36.079 ng  
RT: 12.810 min Scan# 1825  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

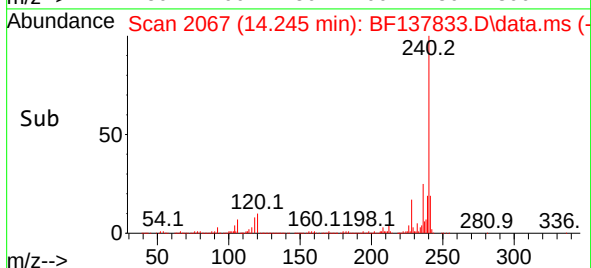
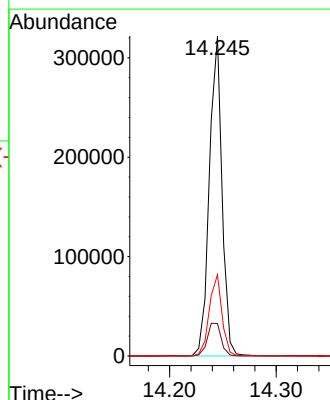
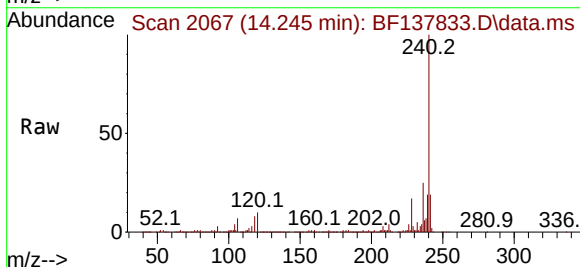
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

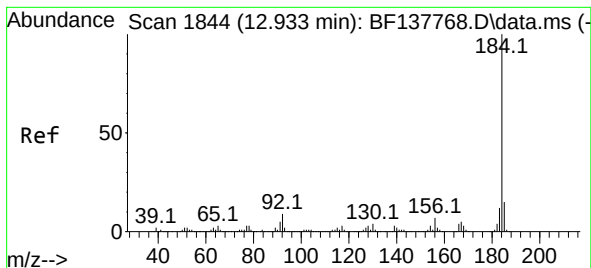
Tgt Ion:202 Resp: 1066097  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 31.8  
203 17.7 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.245 min Scan# 2067  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:240 Resp: 266803  
Ion Ratio Lower Upper  
240 100  
120 10.2 10.4 15.6#  
236 25.4 20.4 30.6





#77

Benzidine

Concen: 12.626 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

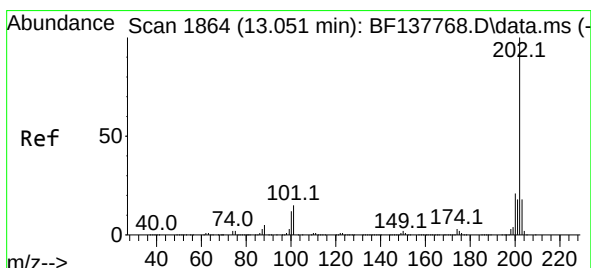
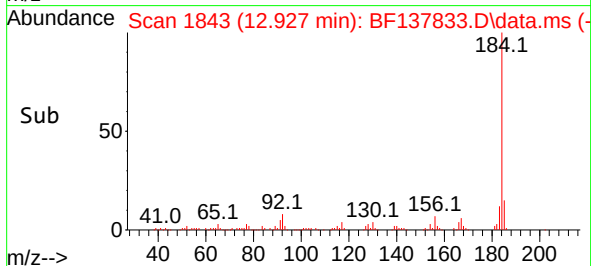
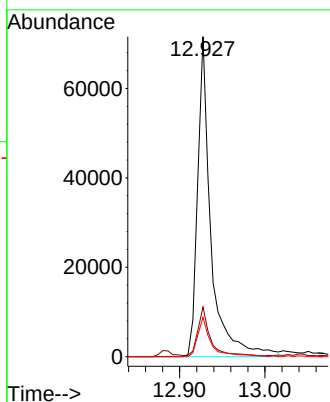
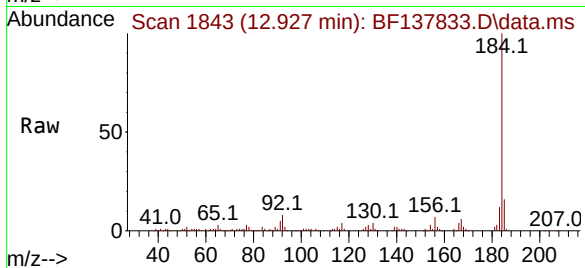
Tgt Ion:184 Resp: 77909

Ion Ratio Lower Upper

184 100

185 15.5 12.3 18.5

183 12.3 9.2 13.8



#78

Pyrene

Concen: 48.573 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

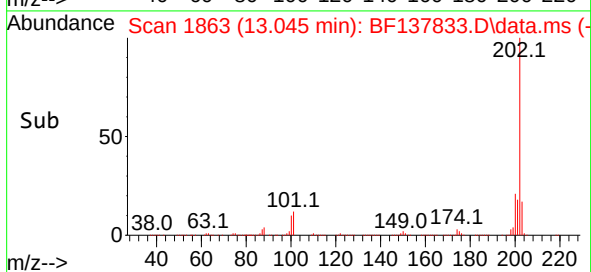
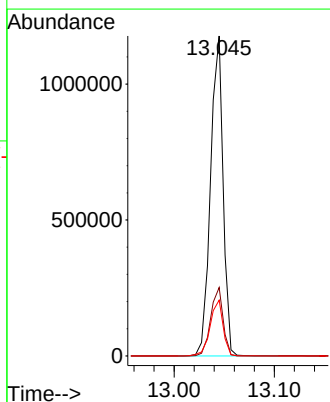
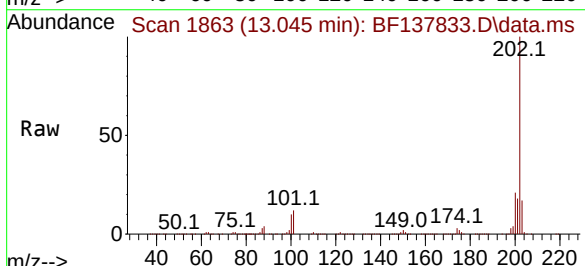
Tgt Ion:202 Resp: 1027526

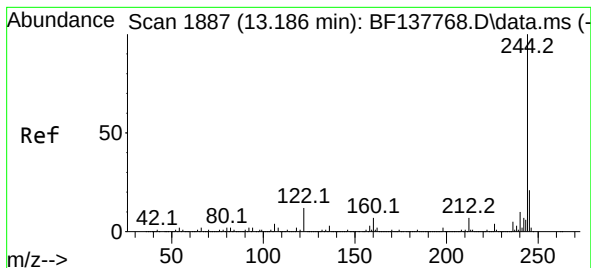
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 100.188 ng

RT: 13.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

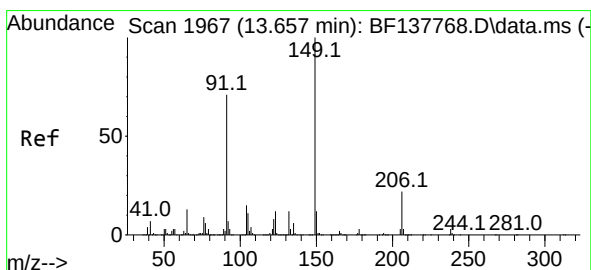
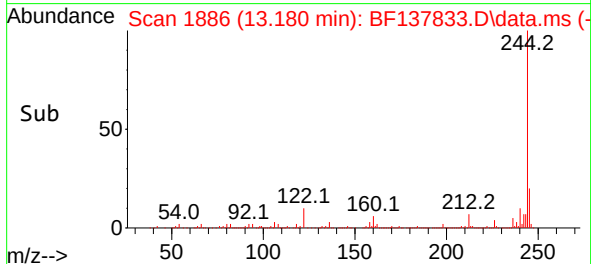
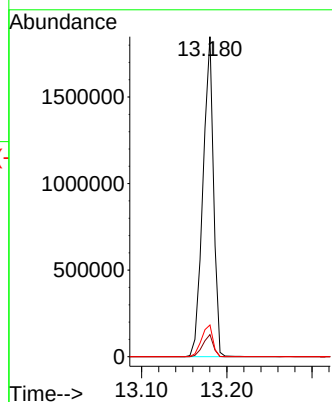
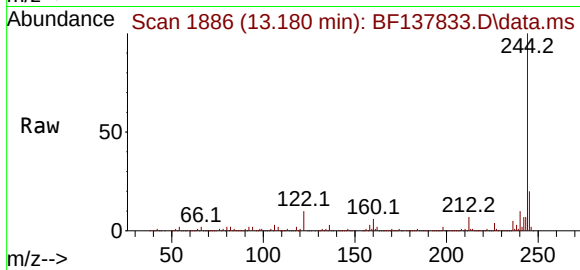
Tgt Ion:244 Resp: 1595029

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 9.9 9.4 14.2



#80

Butylbenzylphthalate

Concen: 61.422 ng

RT: 13.651 min Scan# 1966

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

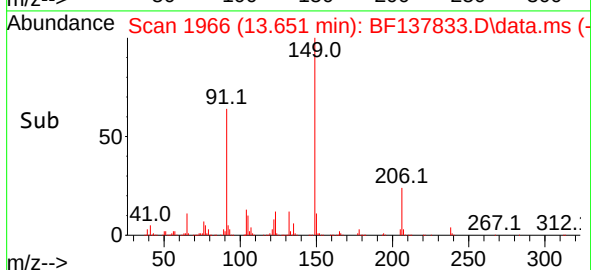
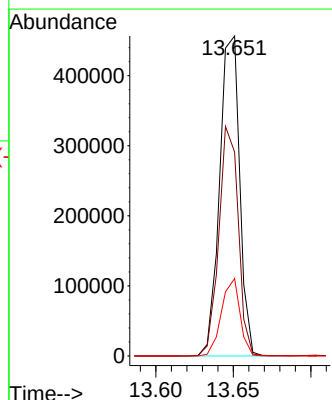
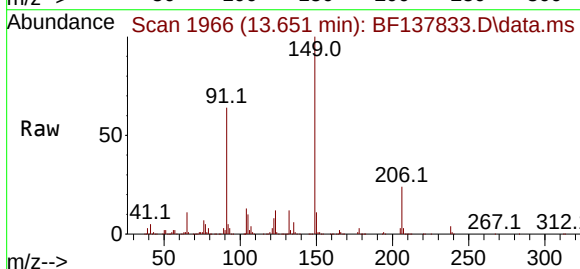
Tgt Ion:149 Resp: 412256

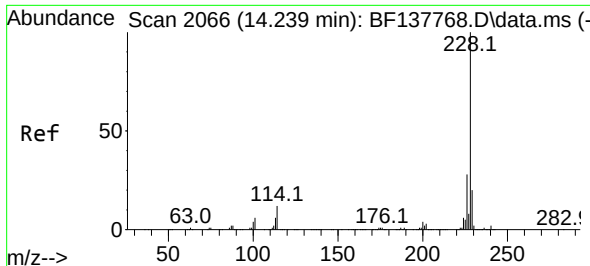
Ion Ratio Lower Upper

149 100

91 63.7 56.8 85.2

206 24.2 17.8 26.8

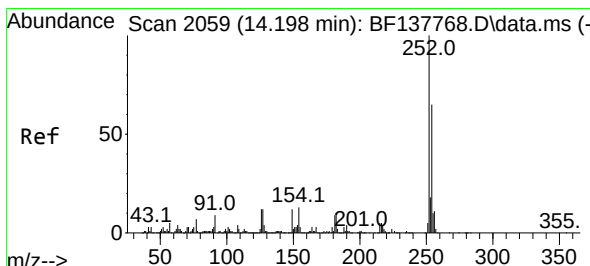
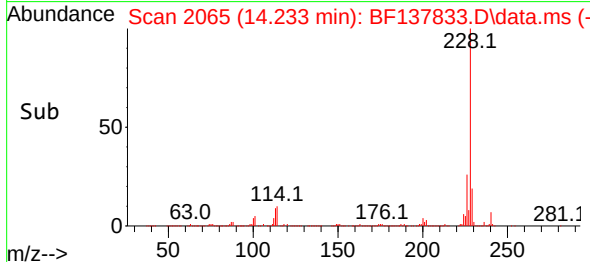
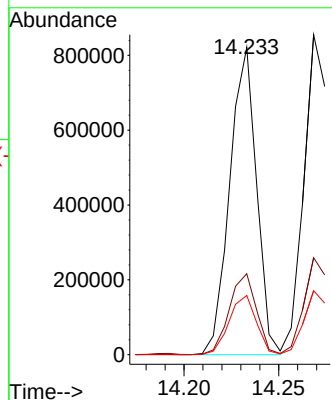
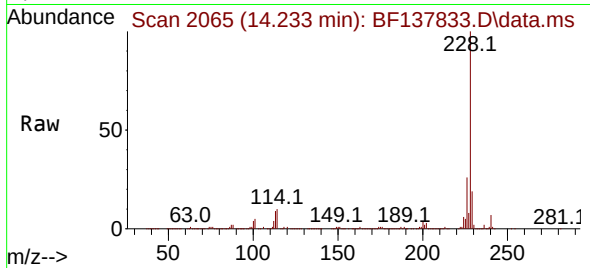




#81  
Benzo(a)anthracene  
Concen: 47.304 ng  
RT: 14.233 min Scan# 2066  
Delta R.T. -0.006 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

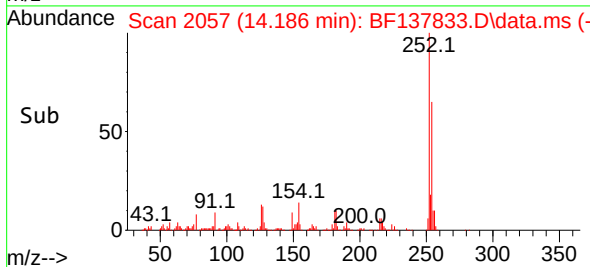
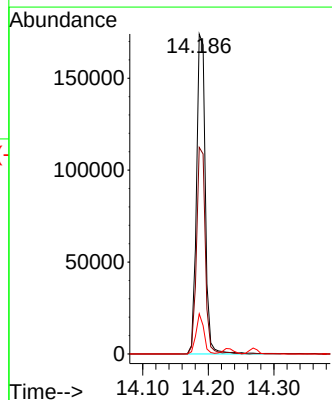
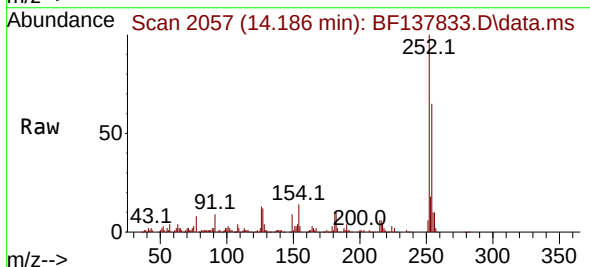
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

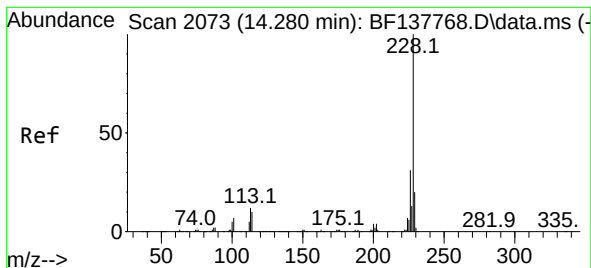
Tgt Ion:228 Resp: 807221  
Ion Ratio Lower Upper  
228 100  
226 26.4 22.2 33.2  
229 19.3 16.3 24.5



#82  
3,3'-Dichlorobenzidine  
Concen: 31.841 ng  
RT: 14.186 min Scan# 2057  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:252 Resp: 162660  
Ion Ratio Lower Upper  
252 100  
254 64.6 51.7 77.5  
126 12.6 9.7 14.5





#83

Chrysene

Concen: 47.910 ng

RT: 14.268 min Scan# 2071

Delta R.T. -0.012 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

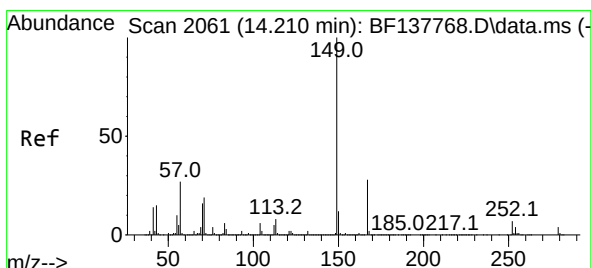
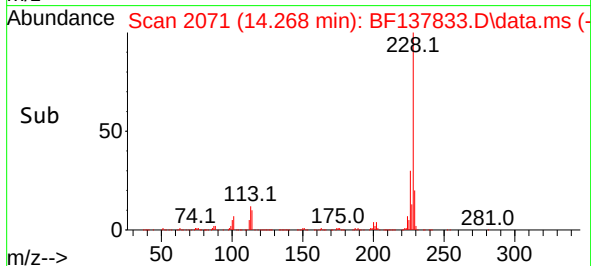
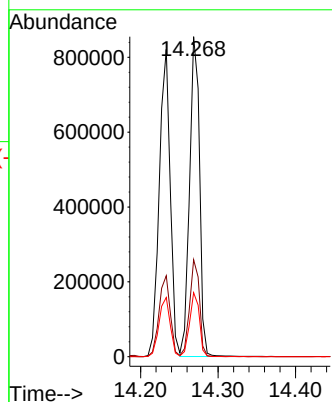
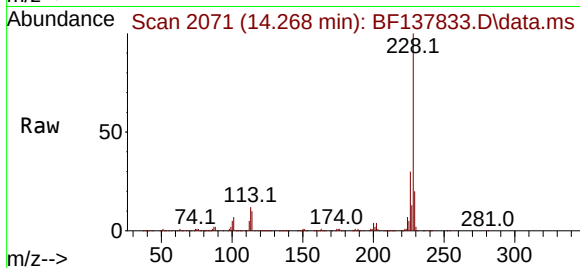
Tgt Ion:228 Resp: 765507

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

229 20.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 68.023 ng

RT: 14.204 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

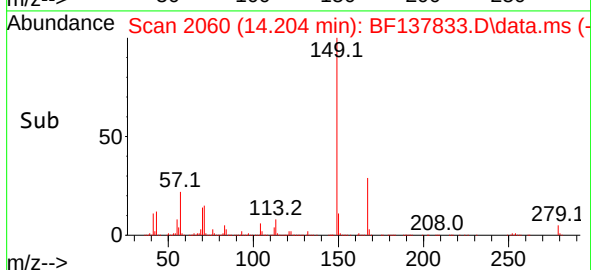
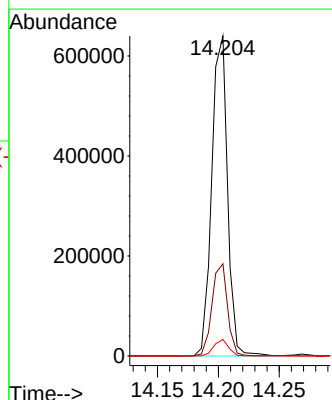
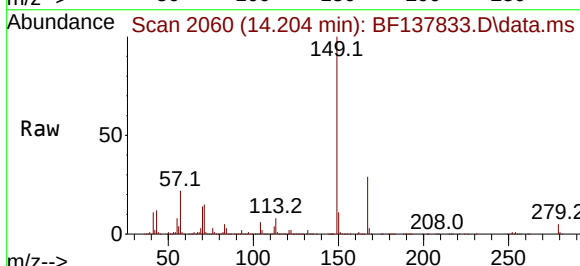
Tgt Ion:149 Resp: 575396

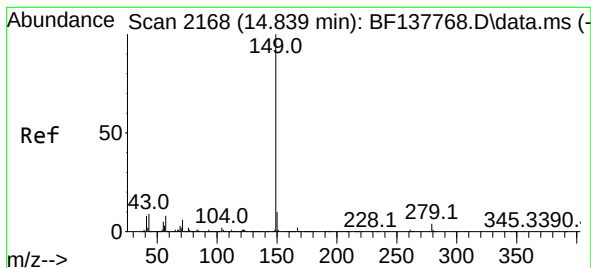
Ion Ratio Lower Upper

149 100

167 28.8 22.4 33.6

279 5.2 3.6 5.4

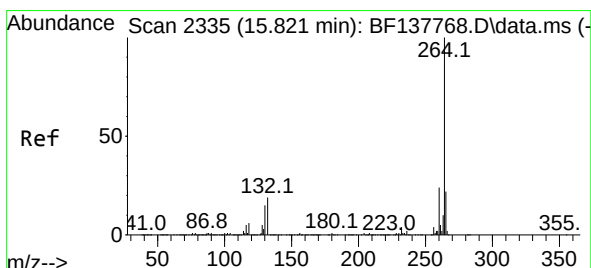
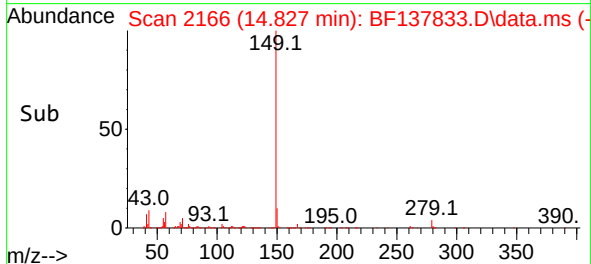
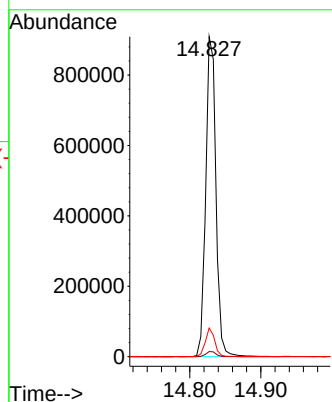
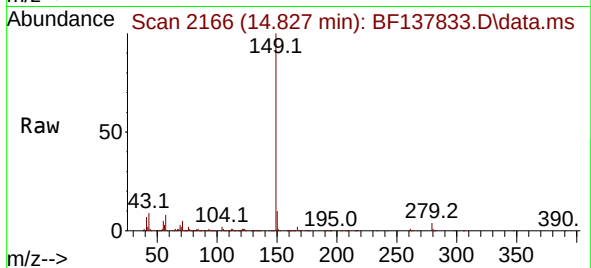




#85  
Di-n-octyl phthalate  
Concen: 79.792 ng  
RT: 14.827 min Scan# 2166  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

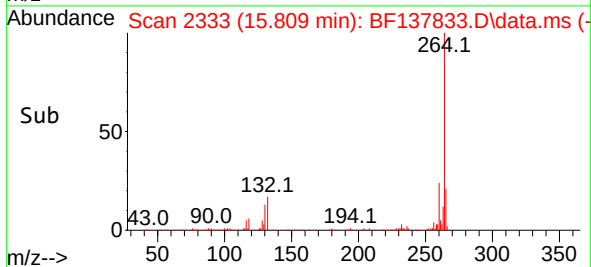
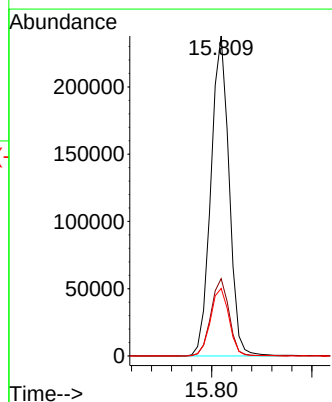
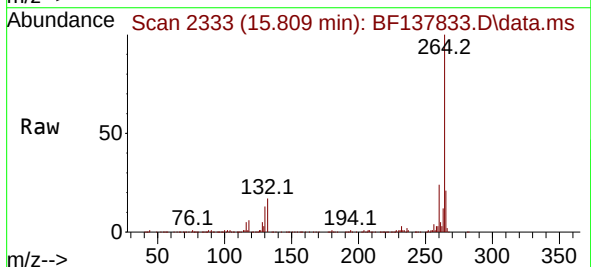
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

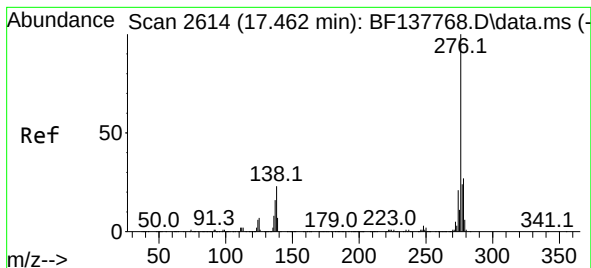
Tgt Ion:149 Resp: 908358  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.2 7.5 11.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.809 min Scan# 2333  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:264 Resp: 299754  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.9 28.3  
265 21.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.656 ng

RT: 17.445 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

V359MSD

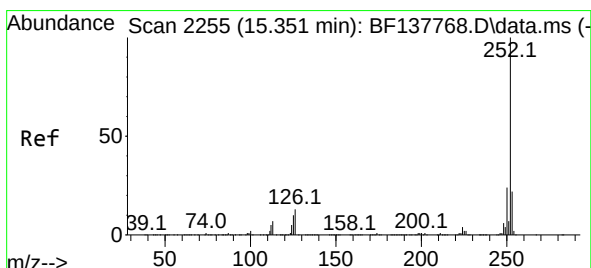
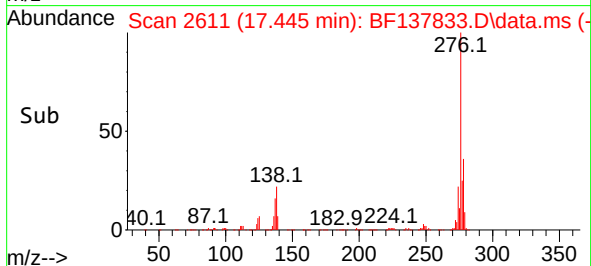
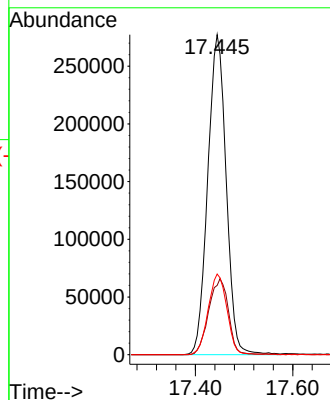
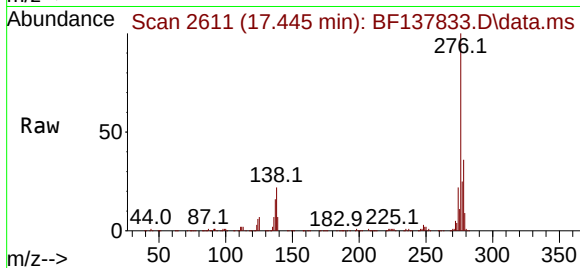
Tgt Ion:276 Resp: 726939

Ion Ratio Lower Upper

276 100

138 25.3 21.4 32.0

277 25.6 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 43.079 ng

RT: 15.339 min Scan# 2253

Delta R.T. -0.012 min

Lab File: BF137833.D

Acq: 03 May 2024 17:20

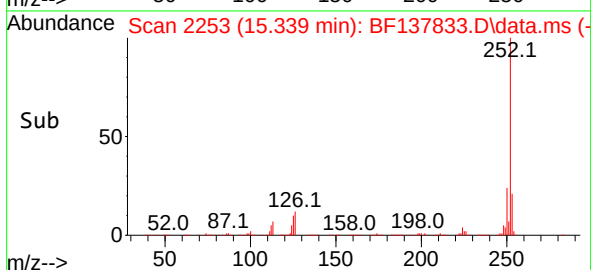
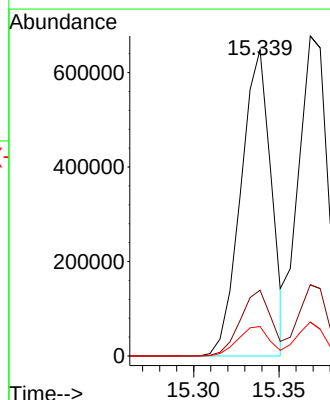
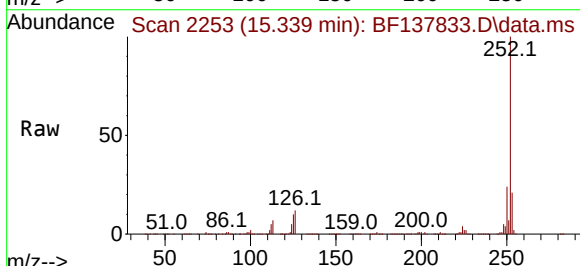
Tgt Ion:252 Resp: 803413

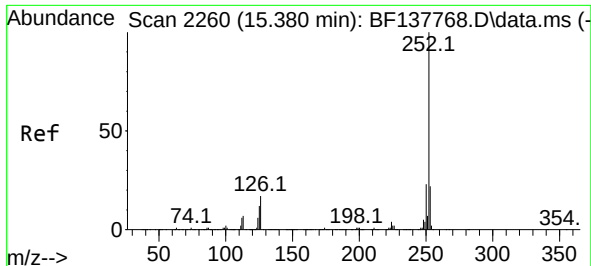
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 9.6 7.9 11.9

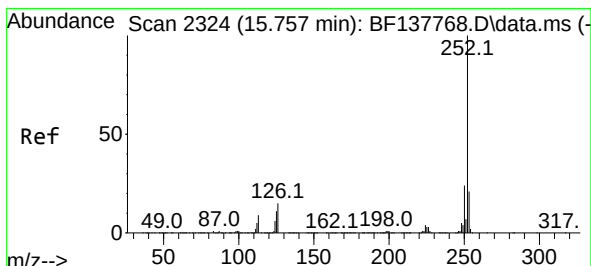
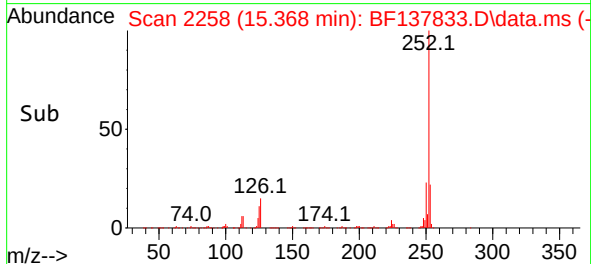
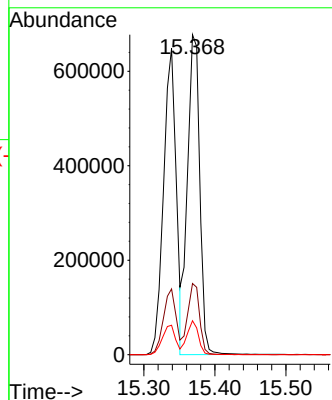
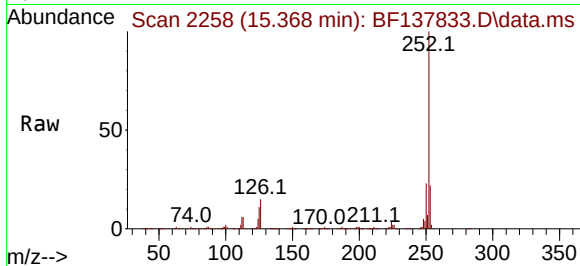




#89  
Benzo(k)fluoranthene  
Concen: 45.144 ng  
RT: 15.368 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

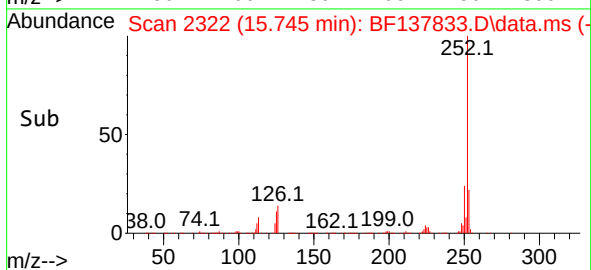
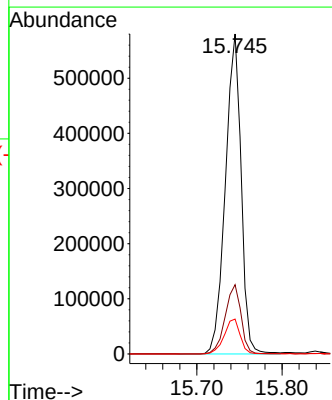
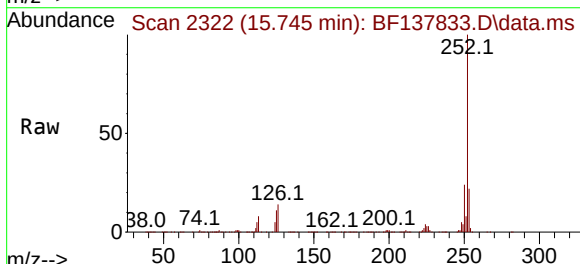
Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

Tgt Ion:252 Resp: 813763  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 10.6 9.0 13.4

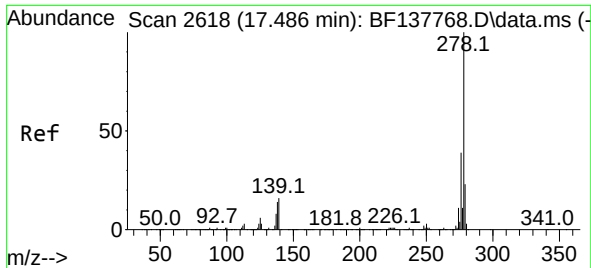


#90  
Benzo(a)pyrene  
Concen: 48.894 ng  
RT: 15.745 min Scan# 2322  
Delta R.T. -0.012 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:252 Resp: 743927  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.1 25.7  
125 10.9 9.0 13.6



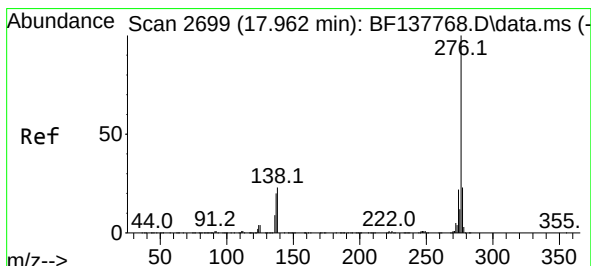
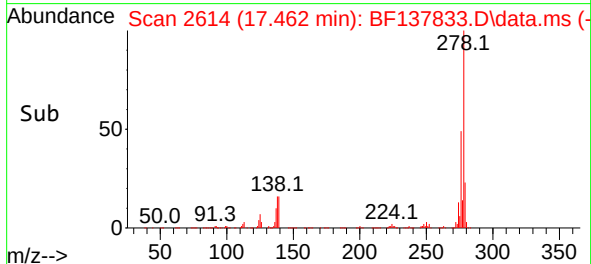
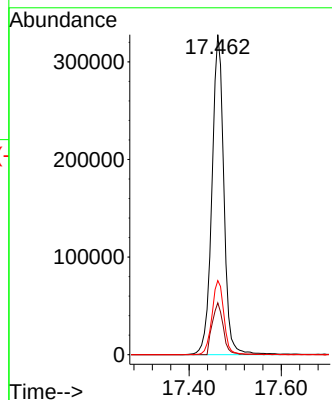
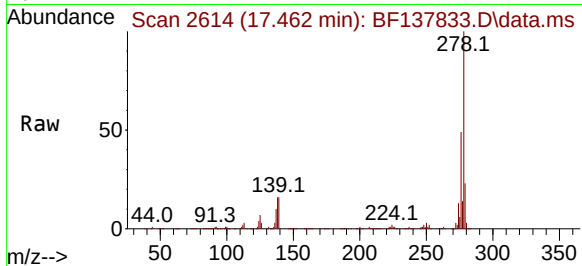




#91  
Dibenzo(a,h)anthracene  
Concen: 42.538 ng  
RT: 17.462 min Scan# 2614  
Delta R.T. -0.024 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Instrument :  
BNA\_F  
ClientSampleId :  
V359MSD

Tgt Ion:278 Resp: 590077  
Ion Ratio Lower Upper  
278 100  
139 16.2 13.0 19.6  
279 23.1 18.7 28.1



#92  
Benzo(g,h,i)perylene  
Concen: 36.995 ng  
RT: 17.945 min Scan# 2696  
Delta R.T. -0.018 min  
Lab File: BF137833.D  
Acq: 03 May 2024 17:20

Tgt Ion:276 Resp: 537975  
Ion Ratio Lower Upper  
276 100  
277 23.8 18.0 27.0  
138 21.4 18.1 27.1

