

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051525\  
 Data File : BF142389.D  
 Acq On : 15 May 2025 12:47  
 Operator : RC/JU  
 Sample : Q1993-03MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 05 18:41:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 172657   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 662026   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 357440   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 546787   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 314221   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 374057   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 679597   | 67.192  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 545778   | 43.874  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.469  | 82   | 981708   | 90.437  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 496952   | 144.002 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 1972111  | 78.670  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 1560715  | 73.516  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 83098    | 18.245  | ng    | 98       |
| 3) Pyridine                   | 3.493  | 79   | 193764   | 18.120  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.434  | 42   | 124182   | 19.981  | ng    | 96       |
| 6) Aniline                    | 6.563  | 93   | 429774   | 35.223  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.687  | 128  | 429490   | 39.738  | ng    | 97       |
| 9) Benzaldehyde               | 6.451  | 77   | 259230   | 35.605  | ng    | 100      |
| 10) Phenol                    | 6.534  | 94   | 239943   | 18.197  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 465560   | 35.803  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.845  | 146  | 437405   | 35.374  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.922  | 146  | 447175   | 36.019  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.075  | 146  | 440362   | 36.953  | ng    | 100      |
| 15) Benzyl Alcohol            | 7.039  | 79   | 288653   | 35.835  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175  | 45   | 794103   | 40.894  | ng    | 99       |
| 17) 2-Methylphenol            | 7.151  | 107  | 298612   | 34.126  | ng    | 99       |
| 18) Hexachloroethane          | 7.416  | 117  | 149837   | 36.273  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.316  | 70   | 352727   | 45.840  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.304  | 107  | 327459   | 29.985  | ng    | # 67     |
| 22) Acetophenone              | 7.310  | 105  | 662853   | 45.031  | ng    | 99       |
| 24) Nitrobenzene              | 7.487  | 77   | 494951   | 48.371  | ng    | 96       |
| 25) Isophorone                | 7.722  | 82   | 961365   | 46.768  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.798  | 139  | 278478   | 55.742  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.834  | 122  | 447099   | 43.261  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.934  | 93   | 606692   | 45.900  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.039  | 162  | 420656   | 47.875  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.128  | 180  | 418015   | 42.273  | ng    | 99       |
| 31) Naphthalene               | 8.210  | 128  | 1389634  | 43.310  | ng    | 100      |
| 32) Benzoic acid              | 7.910  | 122  | 100050   | 23.298  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.251  | 127  | 225855   | 17.251  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 243324   | 41.556  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 18970    | 7.408   | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 398461   | 43.626  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.898  | 142  | 897809   | 45.031  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.998  | 142  | 928360   | 44.675  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 448092   | 44.886  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 529316   | 85.793  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.169  | 196  | 334881   | 53.182  | ng    | 99       |

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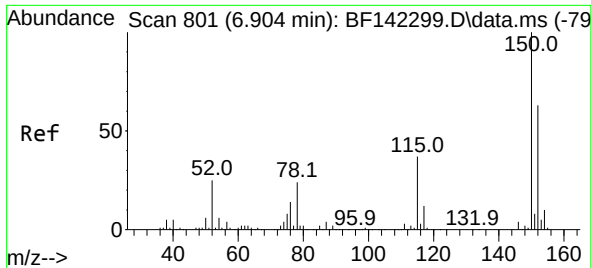
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.210  | 196  | 324822   | 48.481  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.363  | 154  | 1234418  | 45.041  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 917216   | 45.002  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.480  | 65   | 282636   | 54.101  | ng    | 93       |
| 49) Acenaphthylene            | 9.804  | 152  | 1533127  | 44.966  | ng    | 100      |
| 50) Dimethylphthalate         | 9.663  | 163  | 1109141  | 48.324  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 244138   | 56.826  | ng    | 91       |
| 52) Acenaphthene              | 9.975  | 154  | 1043039  | 50.877  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.886  | 138  | 130415   | 25.883  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.998  | 184  | 265247   | 114.370 | ng #  | 1        |
| 55) Dibenzofuran              | 10.145 | 168  | 1352552  | 44.704  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 143679   | 37.888  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.128 | 165  | 321887   | 58.409  | ng    | 94       |
| 58) Fluorene                  | 10.492 | 166  | 1019788  | 44.166  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232  | 281314   | 50.862  | ng    | 97       |
| 60) Diethylphthalate          | 10.363 | 149  | 1662268  | 72.520  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204  | 514546   | 46.190  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 207168   | 51.876  | ng    | 100      |
| 63) Azobenzene                | 10.639 | 77   | 995905   | 45.468  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 165536   | 62.409  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.604 | 169  | 916055   | 50.347  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.975 | 248  | 325670   | 52.554  | ng    | 95       |
| 68) Hexachlorobenzene         | 11.039 | 284  | 355537   | 52.158  | ng    | 95       |
| 69) Atrazine                  | 11.127 | 200  | 235144   | 49.027  | ng    | 99       |
| 70) Pentachlorophenol         | 11.227 | 266  | 397210   | 110.768 | ng    | 98       |
| 71) Phenanthrene              | 11.451 | 178  | 1344429  | 46.908  | ng    | 100      |
| 72) Anthracene                | 11.504 | 178  | 1366126  | 46.389  | ng    | 100      |
| 73) Carbazole                 | 11.657 | 167  | 1133485  | 42.901  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 1504794  | 54.164  | ng    | 100      |
| 75) Fluoranthene              | 12.639 | 202  | 1219362  | 42.560  | ng    | 99       |
| 77) Benzidine                 | 12.763 | 184  | 82144    | 14.385  | ng    | 98       |
| 78) Pyrene                    | 12.869 | 202  | 1194024  | 42.691  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 487221   | 58.801  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 990604   | 48.680  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.015 | 252  | 202558   | 42.804  | ng    | 100      |
| 83) Chrysene                  | 14.092 | 228  | 918925   | 48.508  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 661166   | 60.948  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.663 | 149  | 1132929  | 57.300  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 1062226  | 40.822  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 1077537  | 47.563  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 1006024  | 48.525  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 1021358  | 50.310  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.086 | 278  | 868581   | 40.405  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 805852   | 37.770  | ng    | 97       |

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

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QLast Update : Mon May 05 18:41:44 2025  
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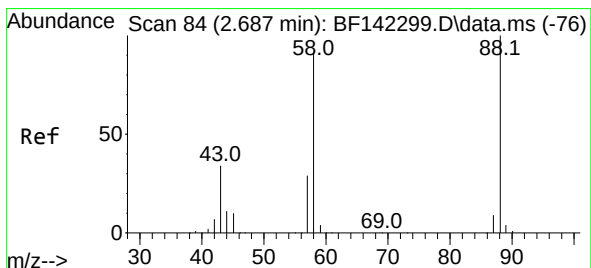
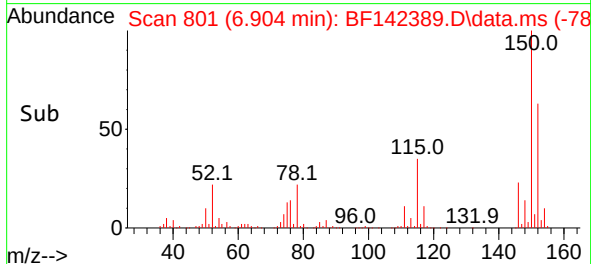
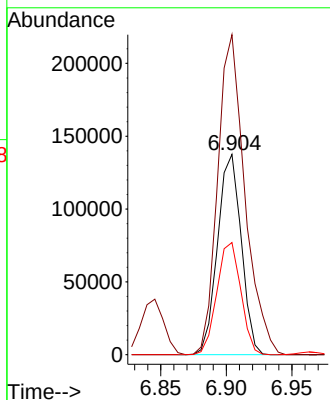
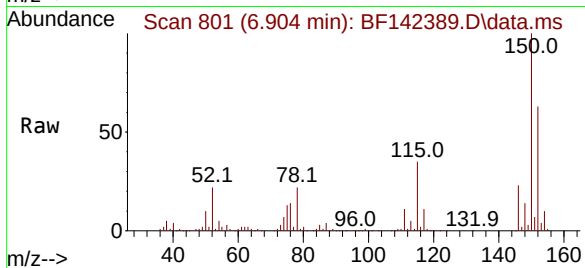




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.904 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: BF142389.D  
 Acq: 15 May 2025 12:47

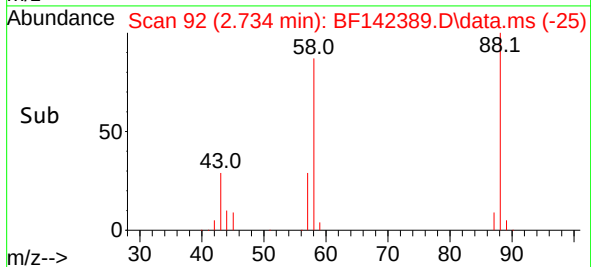
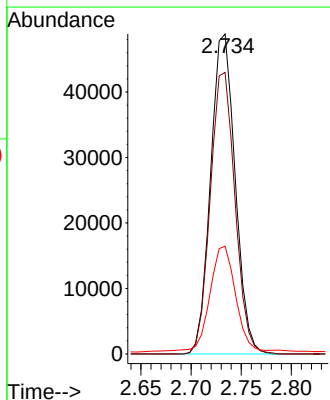
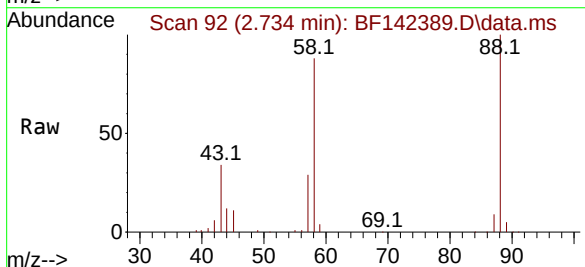
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3-20250508MSD

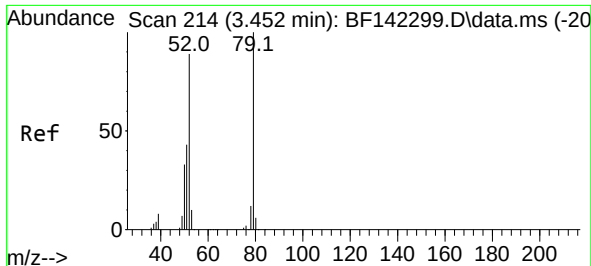
Tgt Ion:152 Resp: 172657  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 126.6 190.0  
 115 56.0 47.3 70.9



#2  
 1,4-Dioxane  
 Concen: 18.245 ng  
 RT: 2.734 min Scan# 92  
 Delta R.T. 0.047 min  
 Lab File: BF142389.D  
 Acq: 15 May 2025 12:47

Tgt Ion: 88 Resp: 83098  
 Ion Ratio Lower Upper  
 88 100  
 58 88.6 73.0 109.4  
 43 35.5 27.8 41.6





#3

Pyridine

Concen: 18.120 ng

RT: 3.493 min Scan# 211

Delta R.T. 0.041 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

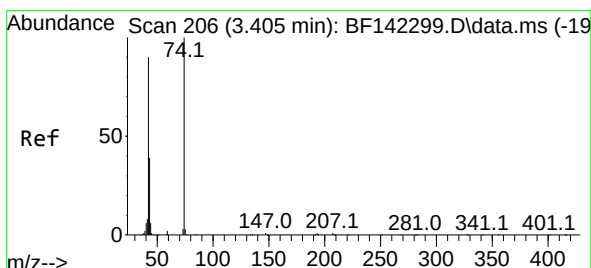
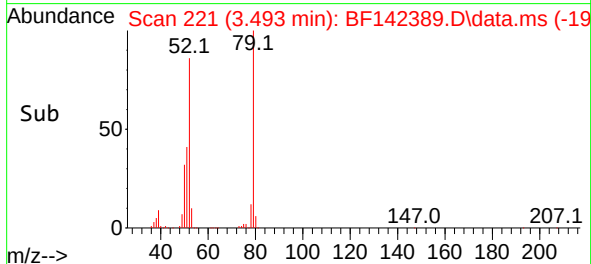
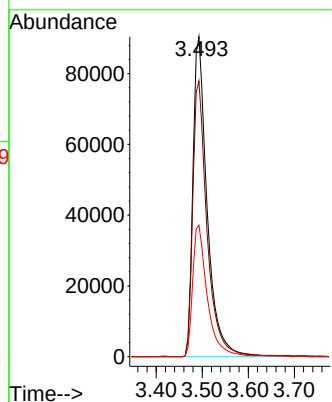
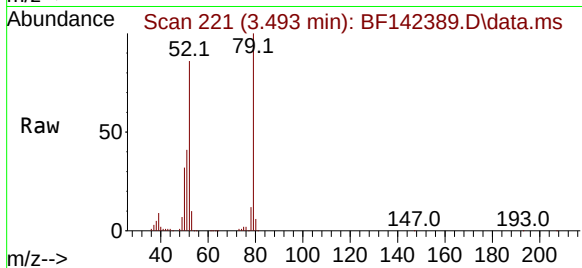
Tgt Ion: 79 Resp: 193764

Ion Ratio Lower Upper

79 100

52 86.1 71.0 106.4

51 41.1 34.9 52.3



#4

n-Nitrosodimethylamine

Concen: 19.981 ng

RT: 3.434 min Scan# 211

Delta R.T. 0.029 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

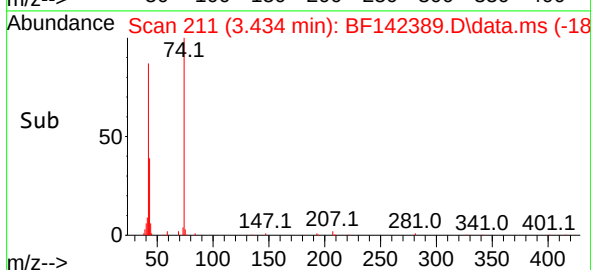
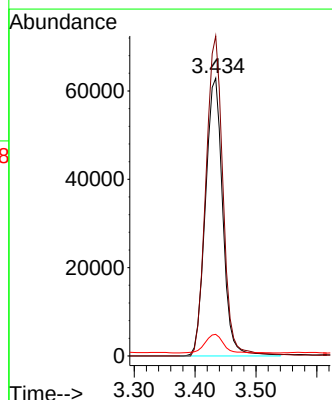
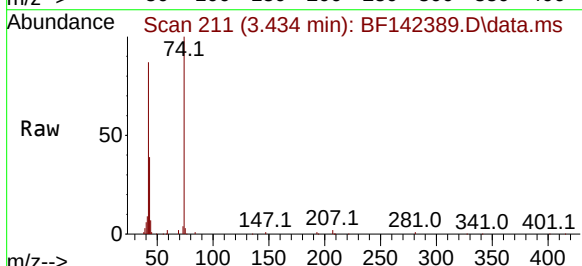
Tgt Ion: 42 Resp: 124182

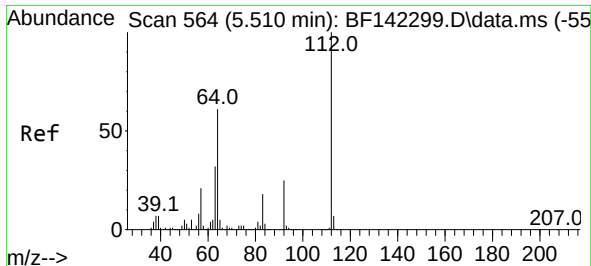
Ion Ratio Lower Upper

42 100

74 115.2 88.5 132.7

44 7.8 5.8 8.8

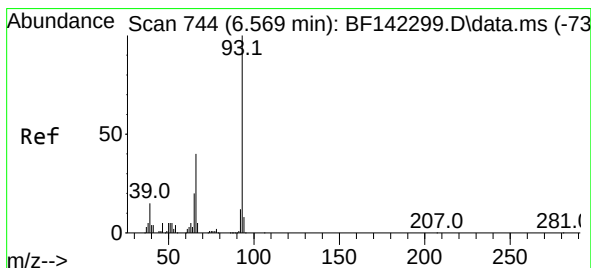
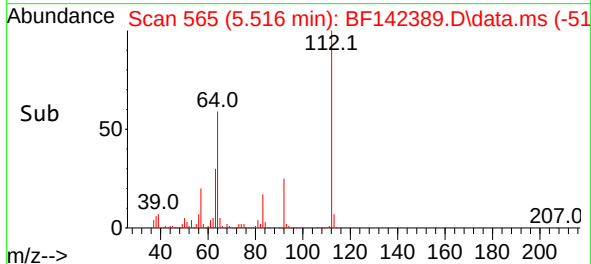
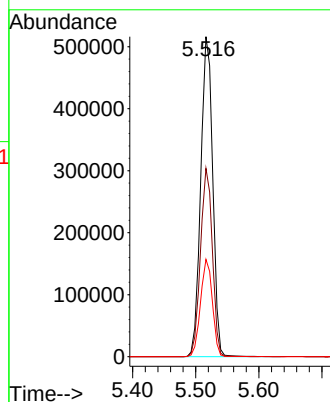
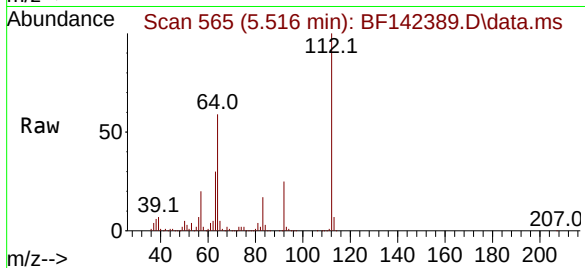




#5  
2-Fluorophenol  
Concen: 67.192 ng  
RT: 5.516 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

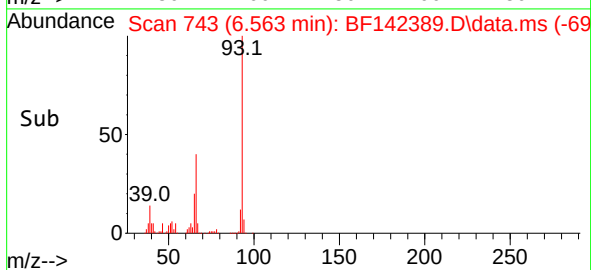
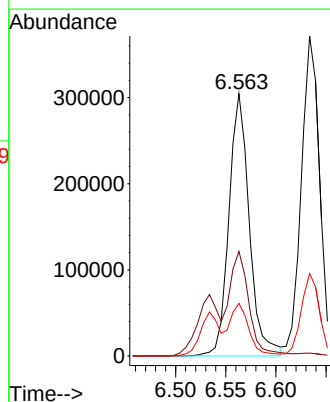
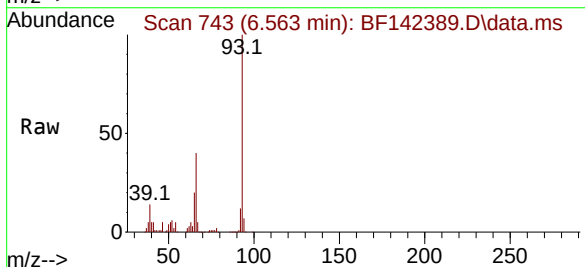
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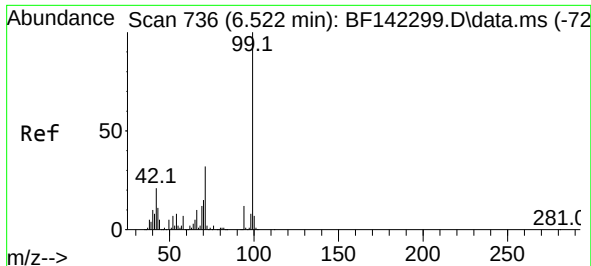
Tgt Ion:112 Resp: 679597  
Ion Ratio Lower Upper  
112 100  
64 58.9 48.9 73.3  
63 30.4 25.6 38.4



#6  
Aniline  
Concen: 35.223 ng  
RT: 6.563 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 93 Resp: 429774  
Ion Ratio Lower Upper  
93 100  
66 39.9 32.2 48.4  
65 20.1 16.3 24.5

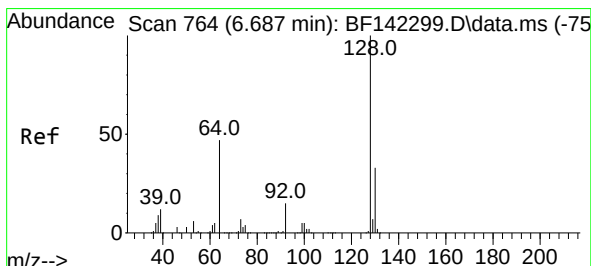
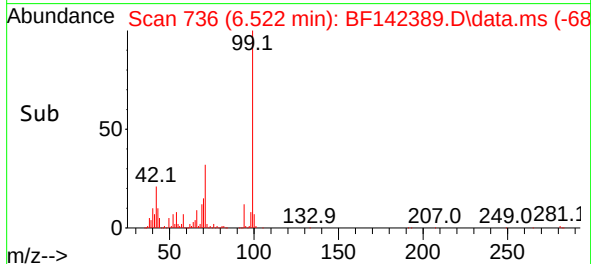
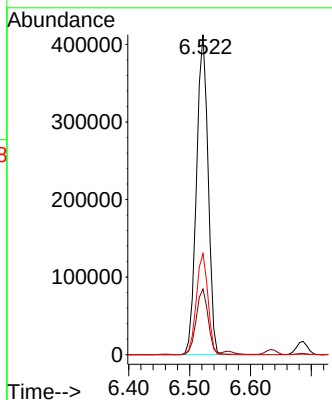
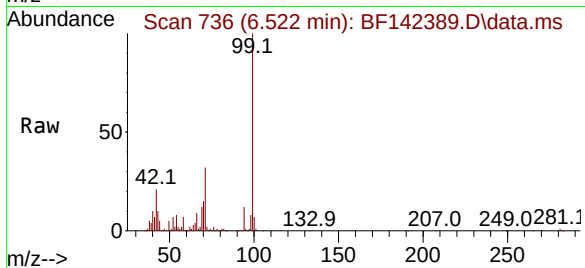




#7  
Phenol-d6  
Concen: 43.874 ng  
RT: 6.522 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

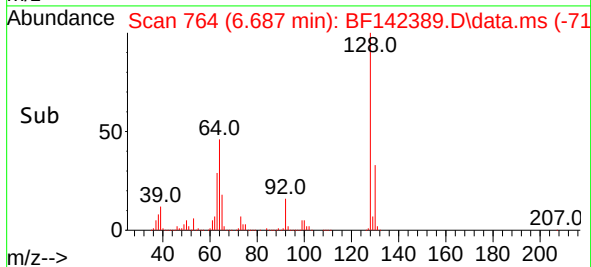
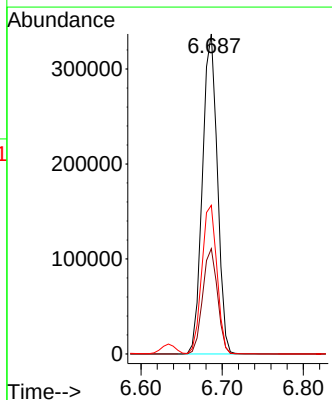
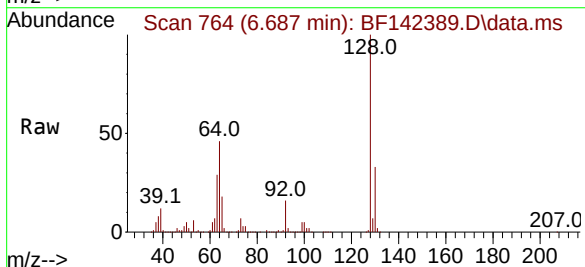
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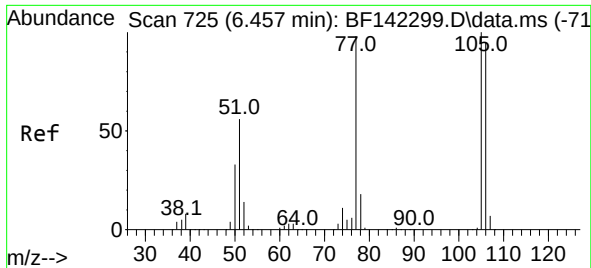
Tgt Ion: 99 Resp: 545778  
Ion Ratio Lower Upper  
99 100  
42 20.5 17.0 25.4  
71 31.6 25.8 38.8



#8  
2-Chlorophenol  
Concen: 39.738 ng  
RT: 6.687 min Scan# 764  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 128 Resp: 429490  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.7 52.7  
64 46.5 29.2 69.2



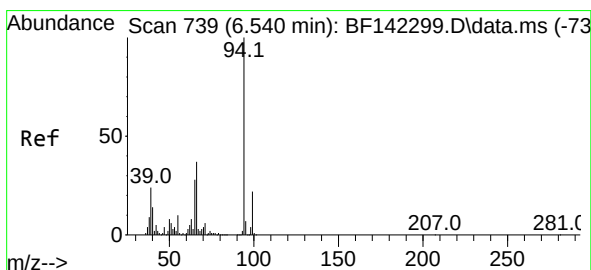
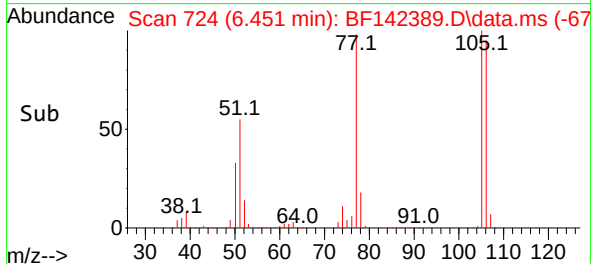
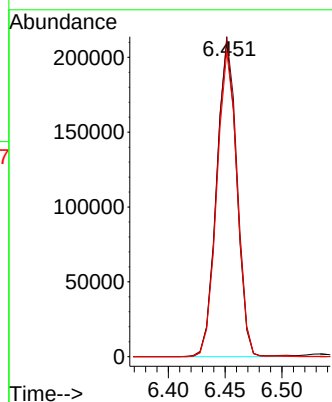
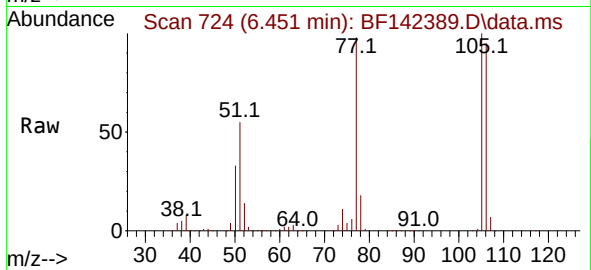


#9  
Benzaldehyde  
Concen: 35.605 ng  
RT: 6.451 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion: 77 Resp: 259230

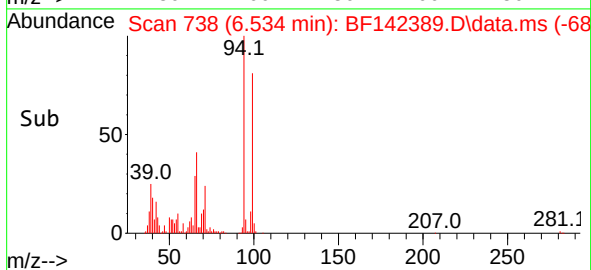
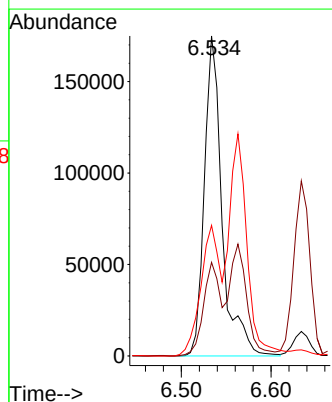
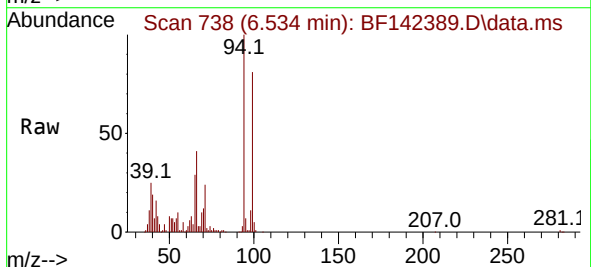
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 101.6 | 82.0  | 122.0 |
| 106 | 96.8  | 77.2  | 117.2 |



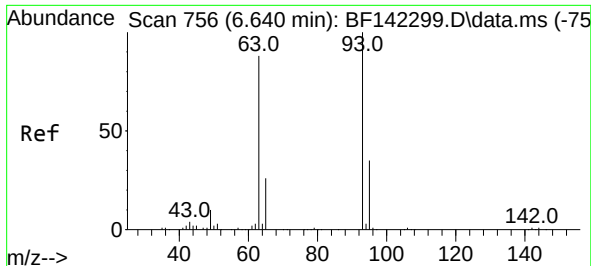
#10  
Phenol  
Concen: 18.197 ng  
RT: 6.534 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 94 Resp: 239943

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 29.3  | 8.5   | 48.5  |
| 66  | 40.8  | 17.3  | 57.3  |





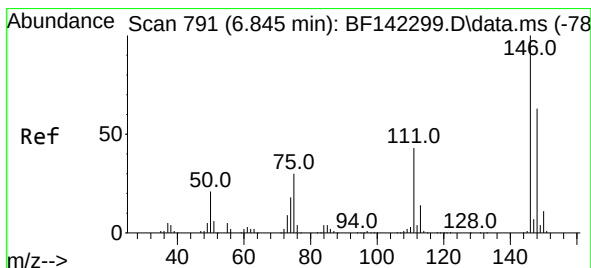
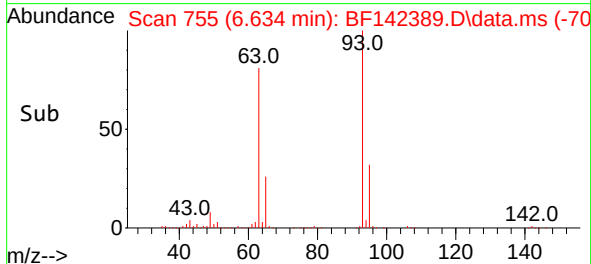
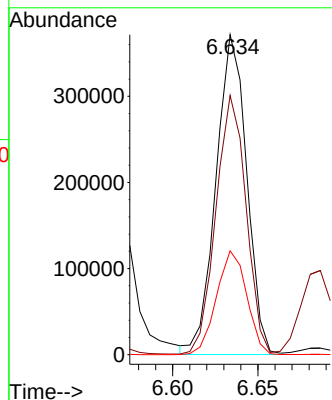
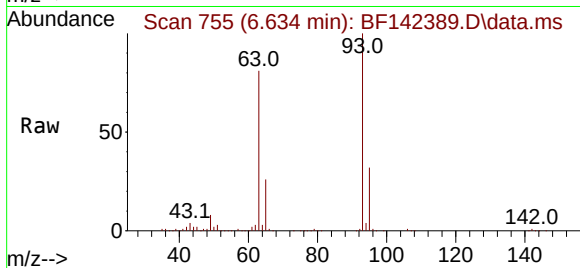


#11  
bis(2-Chloroethyl)ether  
Concen: 35.803 ng  
RT: 6.634 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion: 93 Resp: 465560

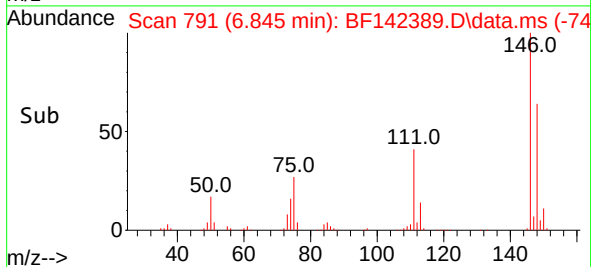
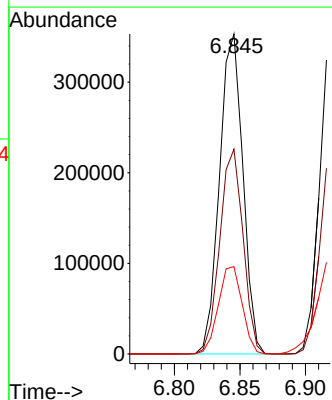
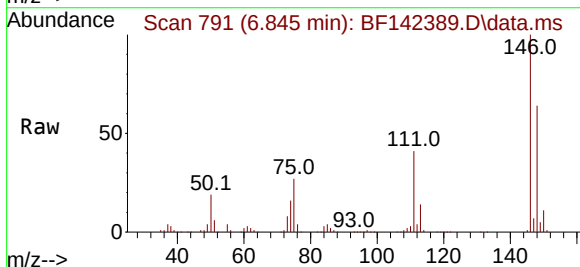
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 81.0  | 58.4  | 98.4  |
| 95  | 32.4  | 10.6  | 50.6  |

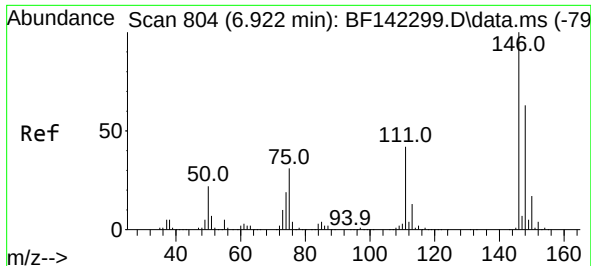


#12  
1,3-Dichlorobenzene  
Concen: 35.374 ng  
RT: 6.845 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 146 Resp: 437405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.0  | 50.6  | 76.0  |
| 75  | 27.3  | 24.2  | 36.4  |





#13

1,4-Dichlorobenzene

Concen: 36.019 ng

RT: 6.922 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

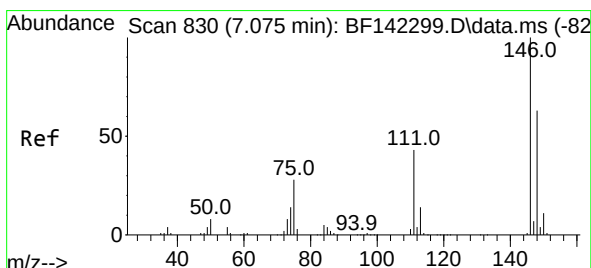
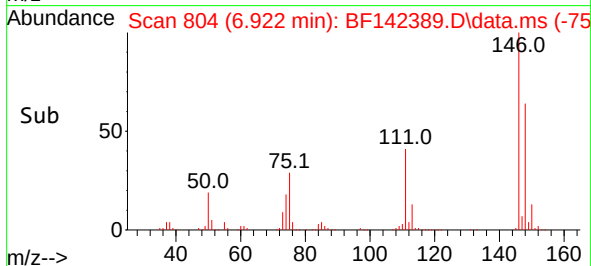
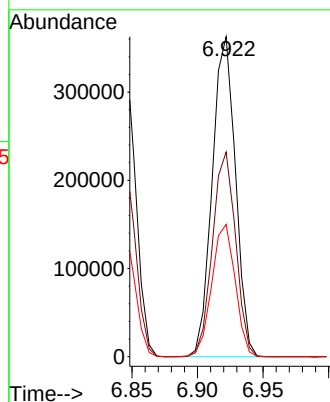
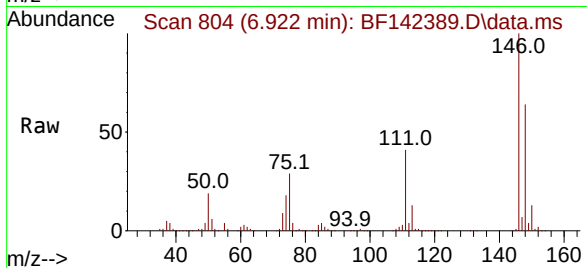
Tgt Ion:146 Resp: 447175

Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 41.3 33.4 50.2



#14

1,2-Dichlorobenzene

Concen: 36.953 ng

RT: 7.075 min Scan# 830

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

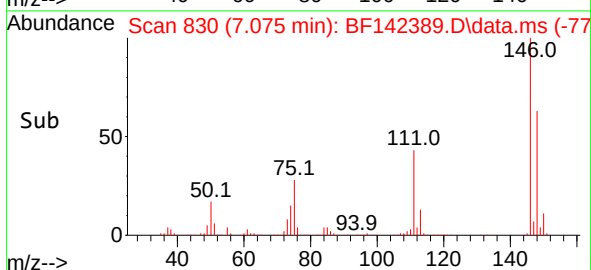
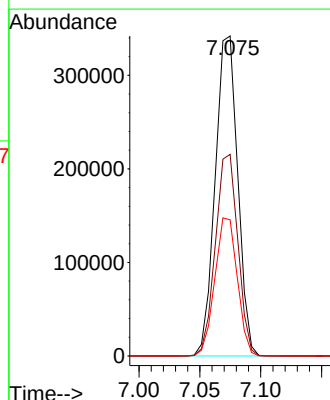
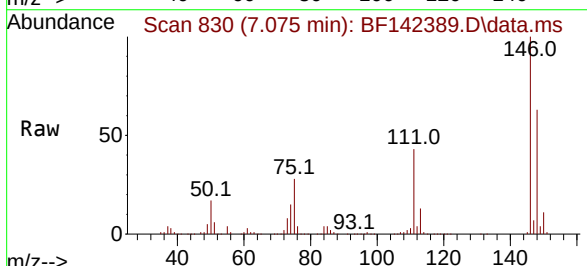
Tgt Ion:146 Resp: 440362

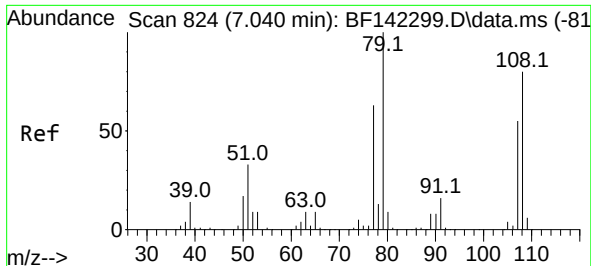
Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

111 42.6 34.5 51.7



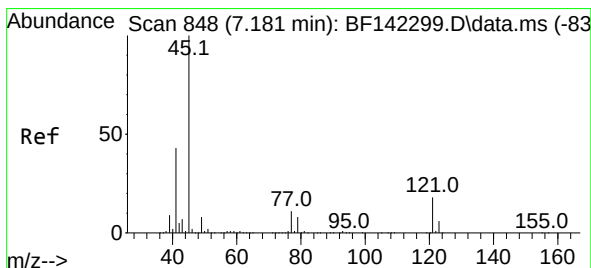
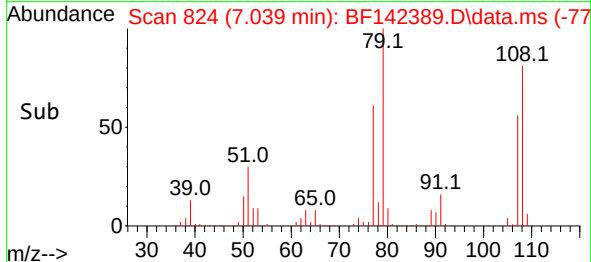
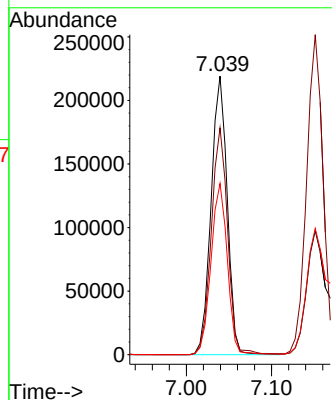
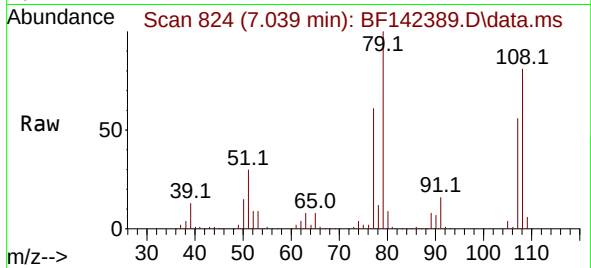


#15  
Benzyl Alcohol  
Concen: 35.835 ng  
RT: 7.039 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion: 79 Resp: 288653

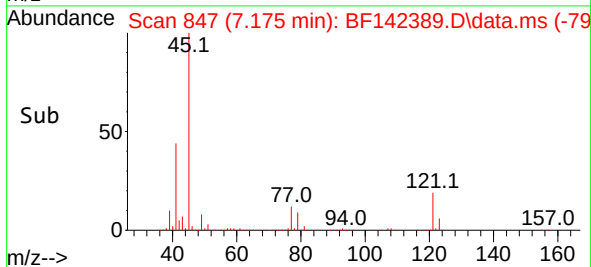
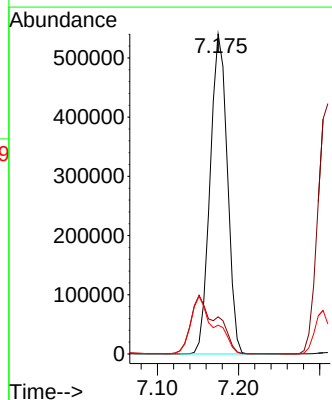
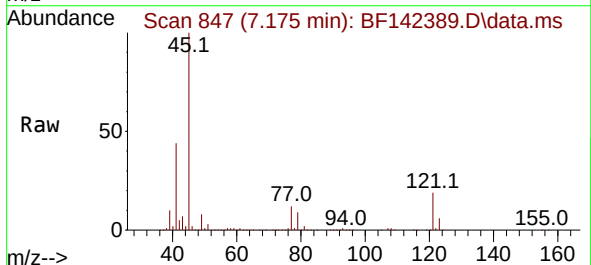
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 81.4  | 63.9  | 95.9  |
| 77  | 61.5  | 50.7  | 76.1  |

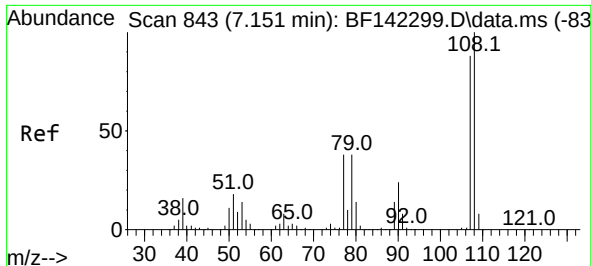


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.894 ng  
RT: 7.175 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 45 Resp: 794103

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 11.6  | 0.0   | 31.2  |
| 79  | 9.0   | 0.0   | 28.5  |



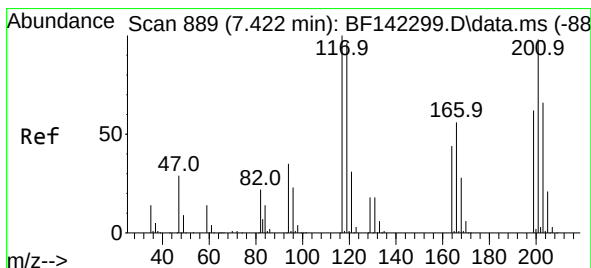
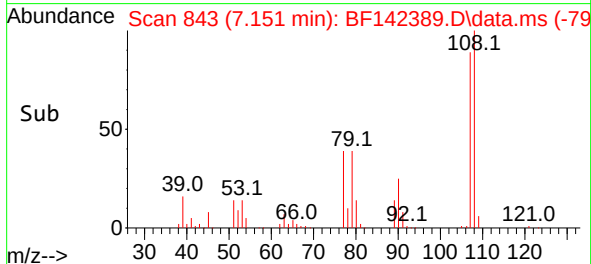
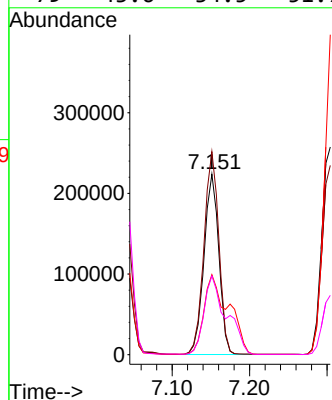
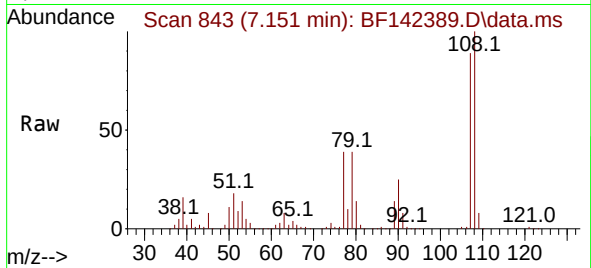


#17  
2-Methylphenol  
Concen: 34.126 ng  
RT: 7.151 min Scan# 843  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion:107 Resp: 298612

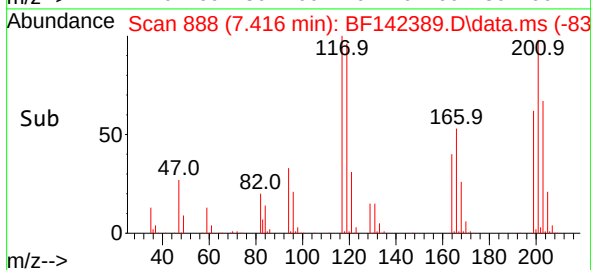
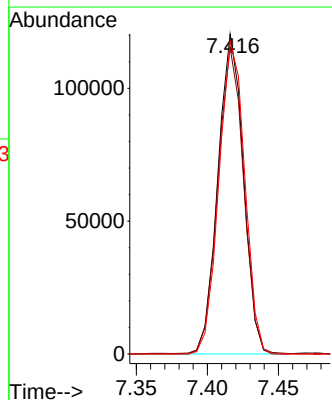
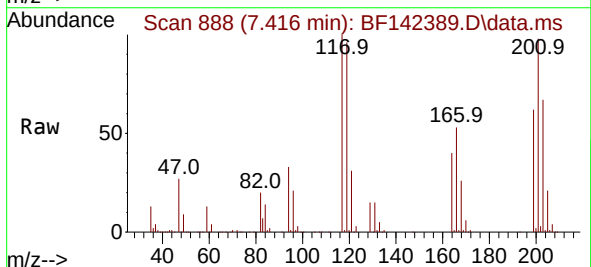
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 112.5 | 91.1  | 136.7 |
| 77  | 44.4  | 34.7  | 52.1  |
| 79  | 43.6  | 34.5  | 51.7  |

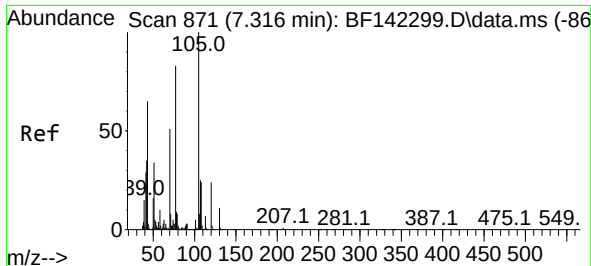


#18  
Hexachloroethane  
Concen: 36.273 ng  
RT: 7.416 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:117 Resp: 149837

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 95.8  | 76.9  | 115.3 |
| 201 | 97.8  | 78.0  | 117.0 |



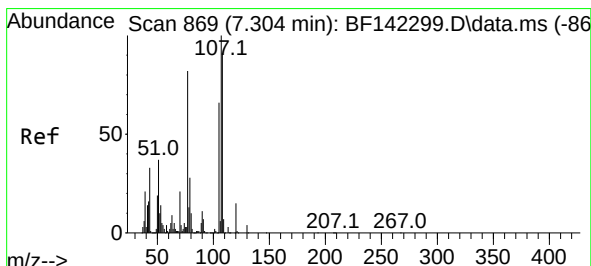
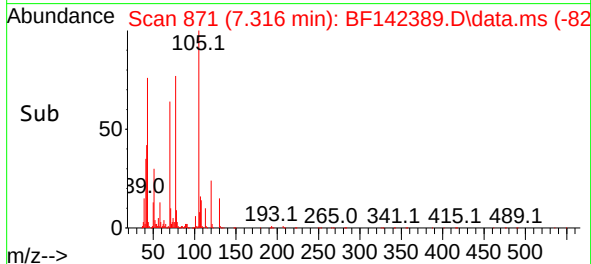
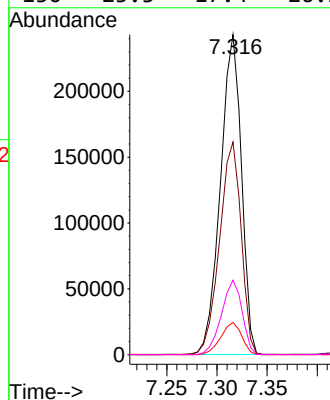
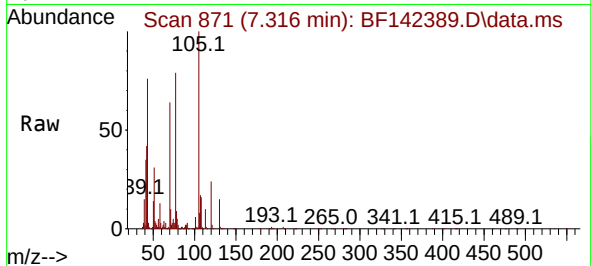


#19  
n-Nitroso-di-n-propylamine  
Concen: 45.840 ng  
RT: 7.316 min Scan# 871  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion: 70 Resp: 352727

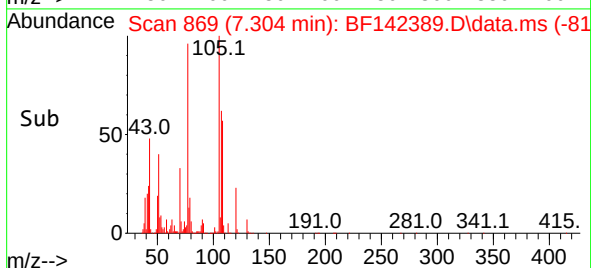
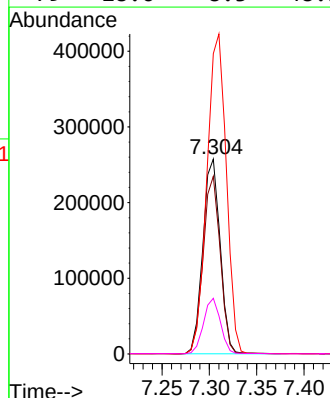
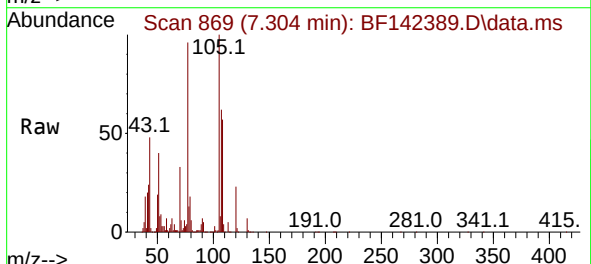
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 66.5  | 54.8  | 82.2  |
| 101 | 10.1  | 7.7   | 11.5  |
| 130 | 23.3  | 17.4  | 26.2  |

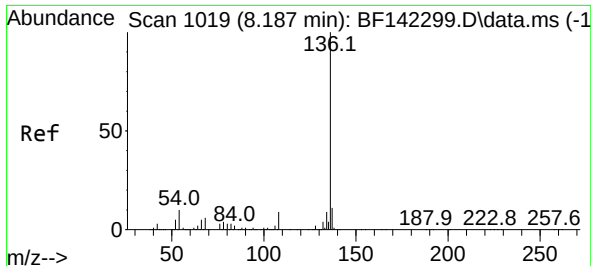


#20  
3+4-Methylphenols  
Concen: 29.985 ng  
RT: 7.304 min Scan# 869  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 107 Resp: 327459

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 91.1  | 71.5  | 111.5  |
| 77  | 154.0 | 61.6  | 101.6# |
| 79  | 28.6  | 8.3   | 48.3   |

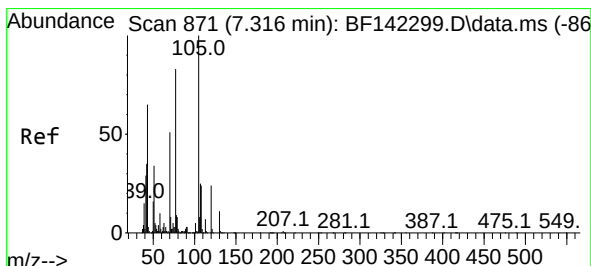
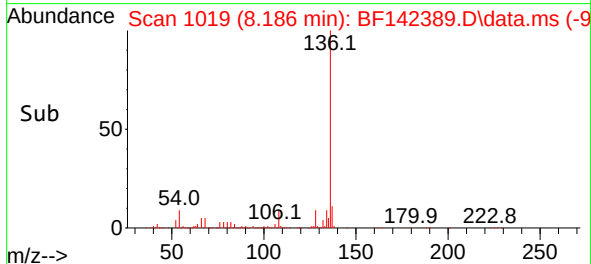
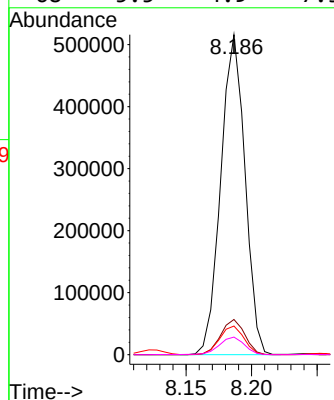
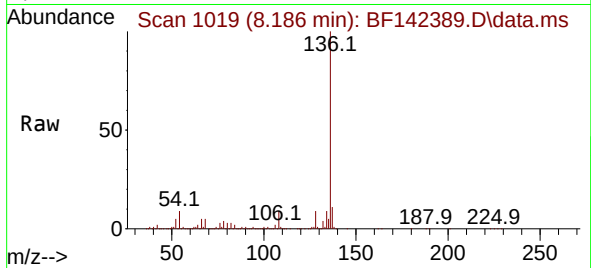




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.186 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

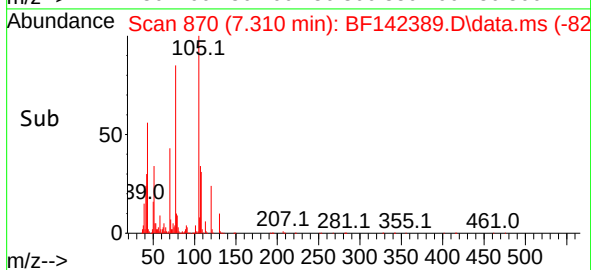
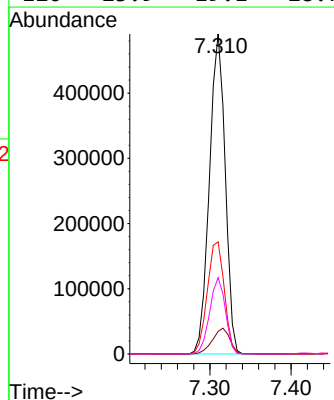
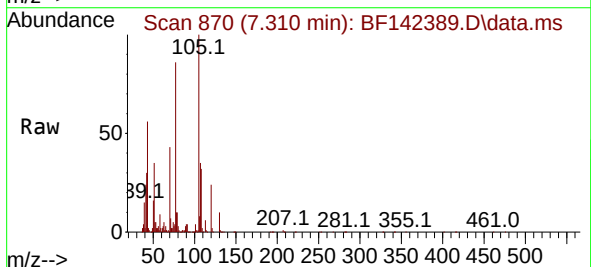
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

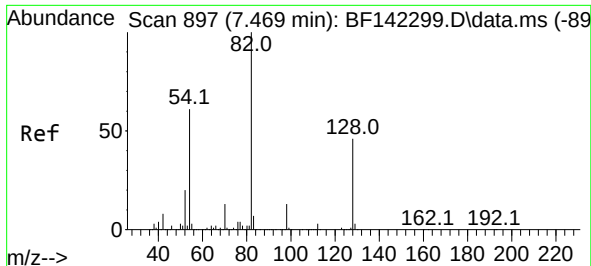
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 662026 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 9.0   | 7.7   | 11.5   |
| 68       | 5.5   | 4.9   | 7.3    |



#22  
Acetophenone  
Concen: 45.031 ng  
RT: 7.310 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 662853 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 7.1   | 6.7   | 10.1   |
| 51       | 35.1  | 27.6  | 41.4   |
| 120      | 23.9  | 19.1  | 28.7   |





#23

Nitrobenzene-d5

Concen: 90.437 ng

RT: 7.469 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

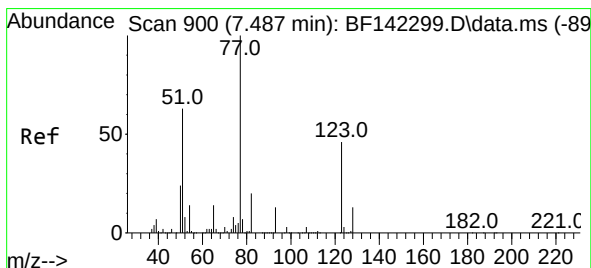
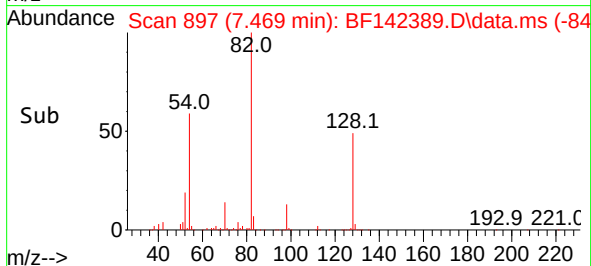
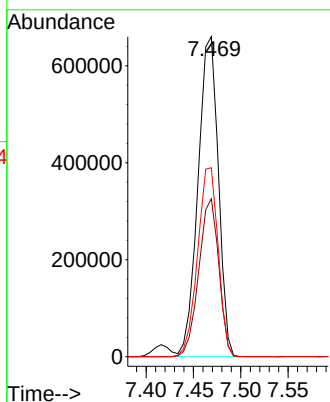
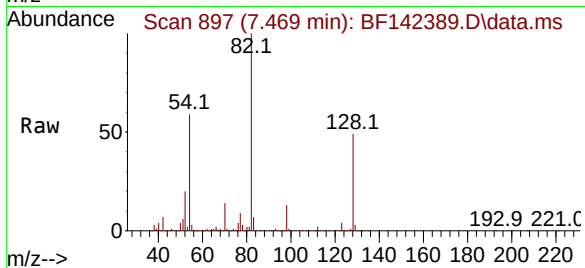
Tgt Ion: 82 Resp: 981708

Ion Ratio Lower Upper

82 100

128 49.4 37.0 55.6

54 59.1 48.6 73.0



#24

Nitrobenzene

Concen: 48.371 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

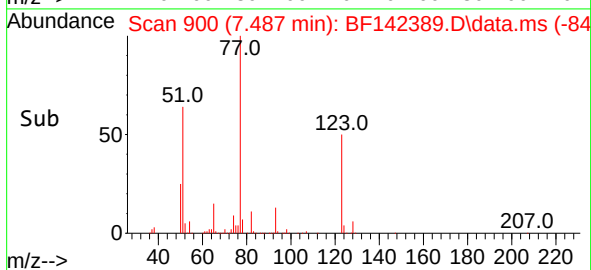
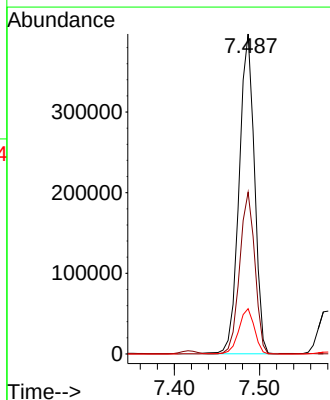
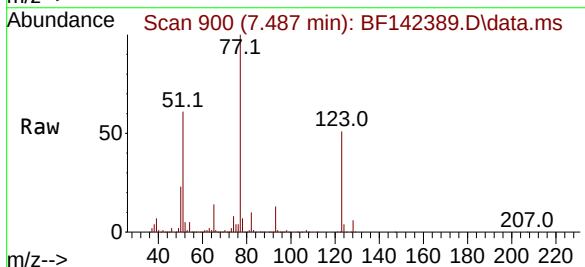
Tgt Ion: 77 Resp: 494951

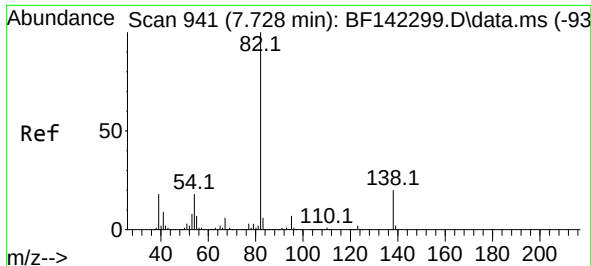
Ion Ratio Lower Upper

77 100

123 50.6 37.8 56.8

65 14.1 11.4 17.0

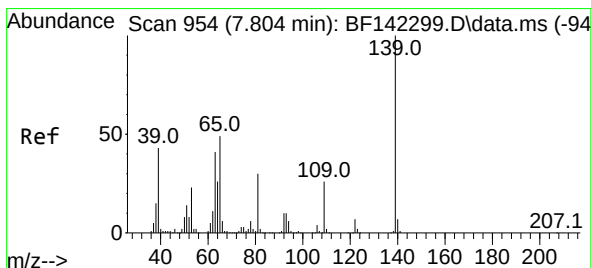
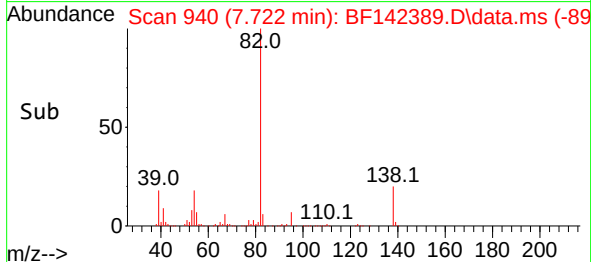
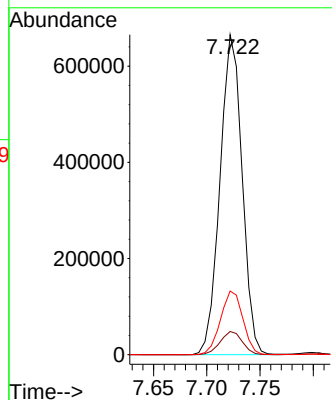
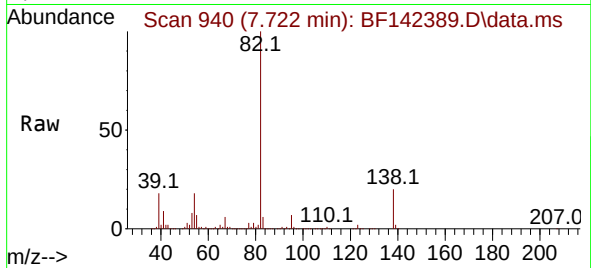




#25  
Isophorone  
Concen: 46.768 ng  
RT: 7.722 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

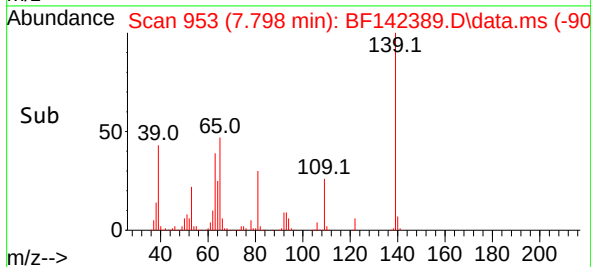
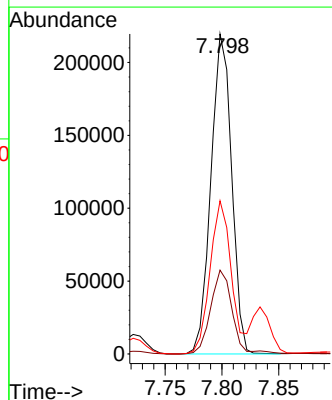
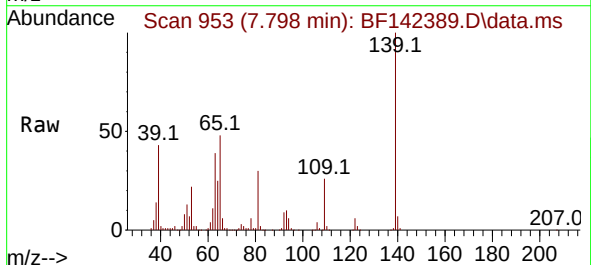
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion: 82 Resp: 961365  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.8  
138 19.9 16.1 24.1

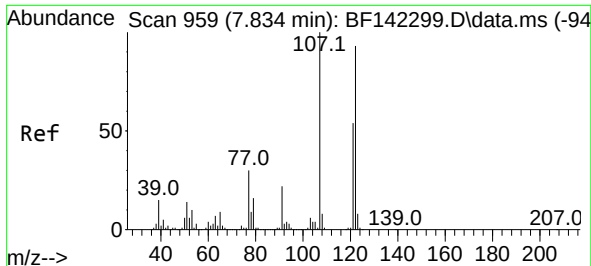


#26  
2-Nitrophenol  
Concen: 55.742 ng  
RT: 7.798 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 139 Resp: 278478  
Ion Ratio Lower Upper  
139 100  
109 26.2 20.8 31.2  
65 47.8 38.9 58.3







#27

2,4-Dimethylphenol

Concen: 43.261 ng

RT: 7.834 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF142389.D

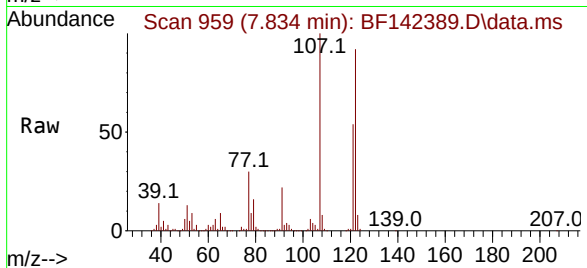
Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD



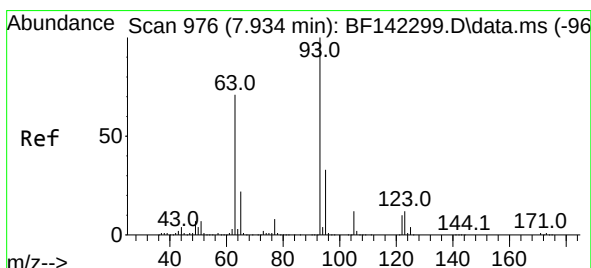
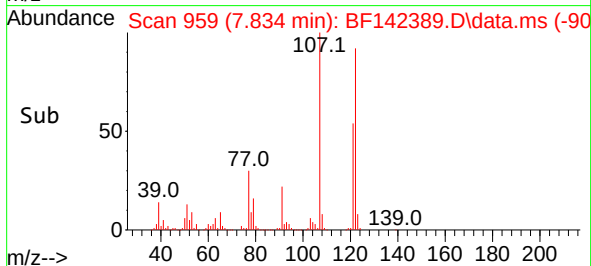
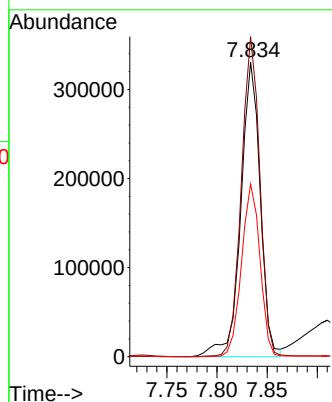
Tgt Ion:122 Resp: 447099

Ion Ratio Lower Upper

122 100

107 108.6 86.0 129.0

121 58.6 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 45.900 ng

RT: 7.934 min Scan# 976

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

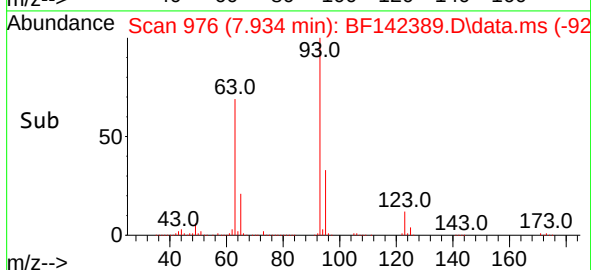
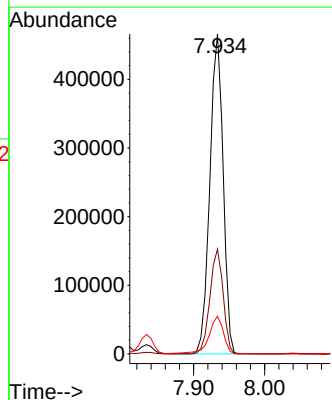
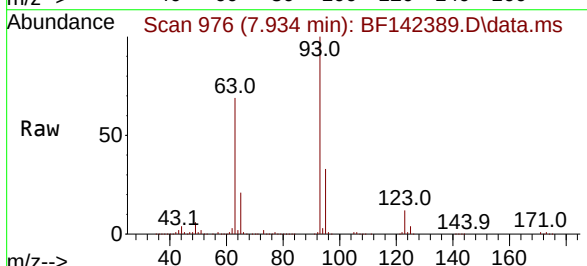
Tgt Ion: 93 Resp: 606692

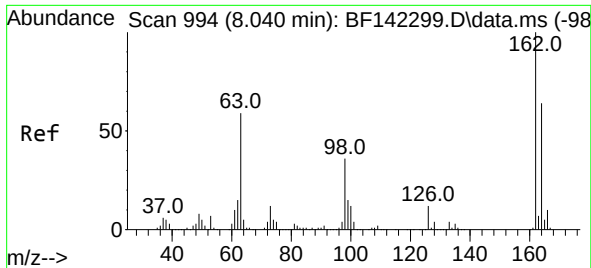
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.875 ng

RT: 8.039 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

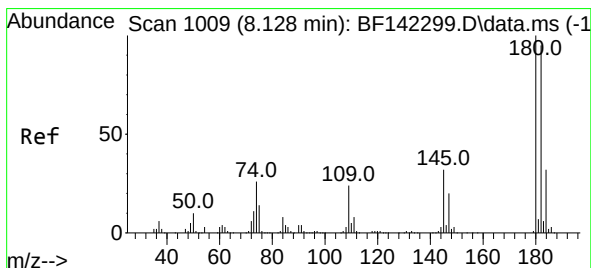
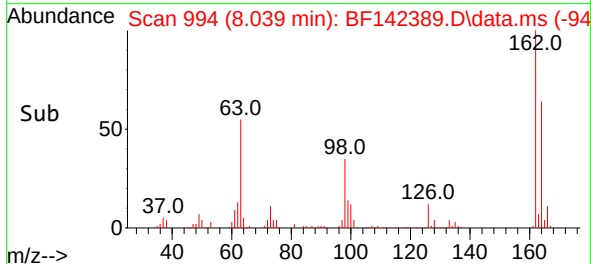
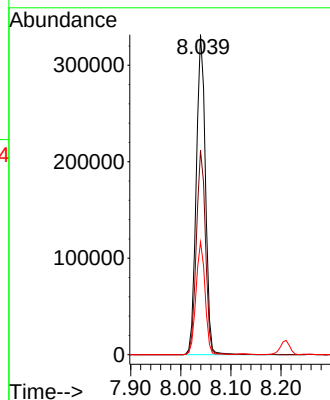
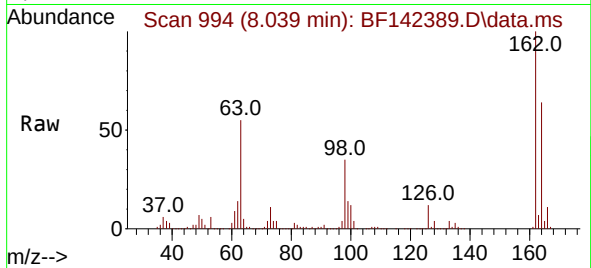
Tgt Ion:162 Resp: 420656

Ion Ratio Lower Upper

162 100

164 63.8 43.6 83.6

98 35.2 16.5 56.5



#30

1,2,4-Trichlorobenzene

Concen: 42.273 ng

RT: 8.128 min Scan# 1009

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

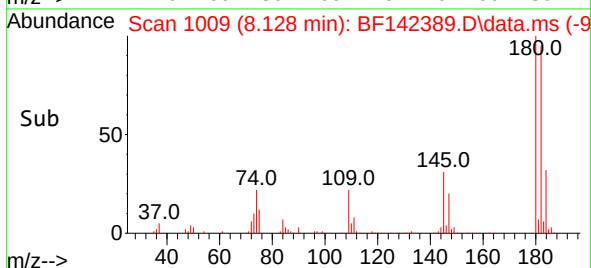
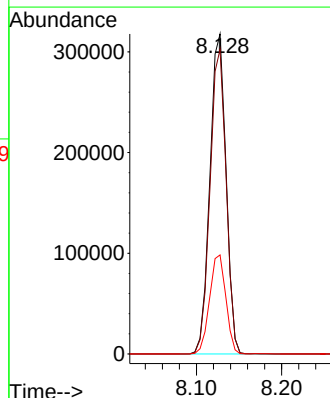
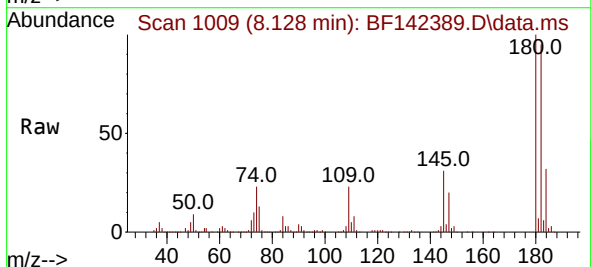
Tgt Ion:180 Resp: 418015

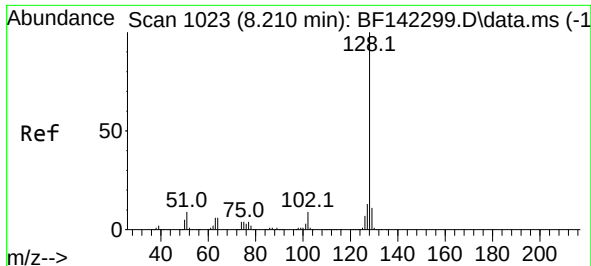
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 30.9 25.8 38.6

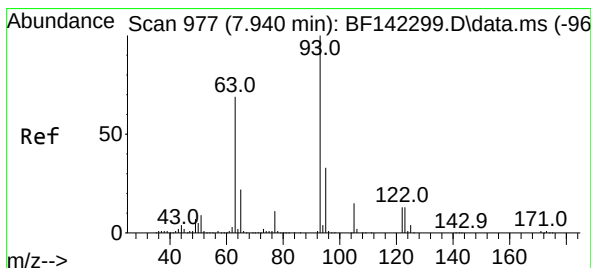
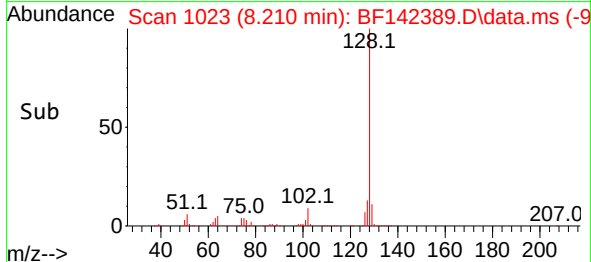
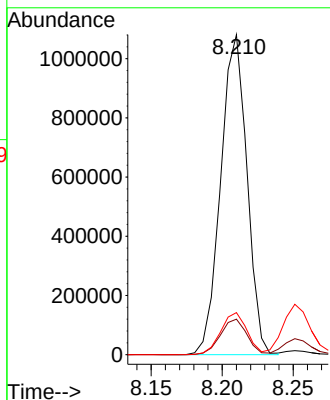
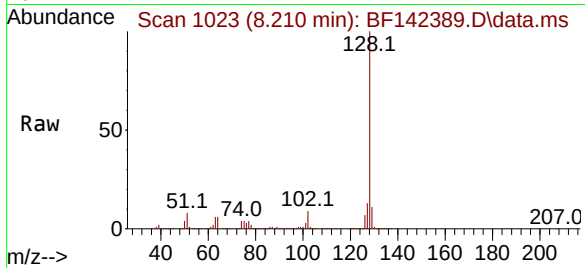




#31  
Naphthalene  
Concen: 43.310 ng  
RT: 8.210 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

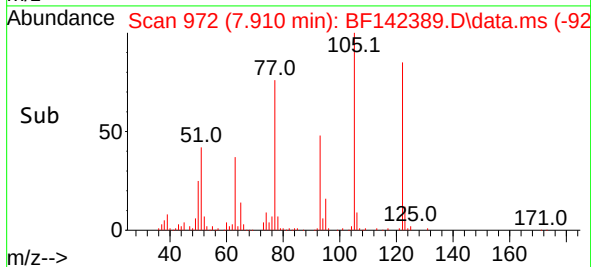
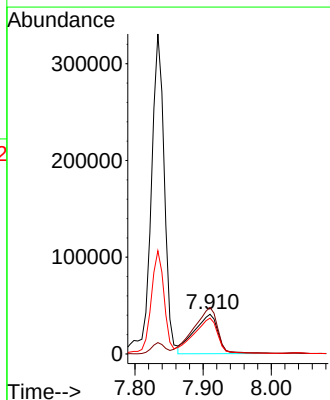
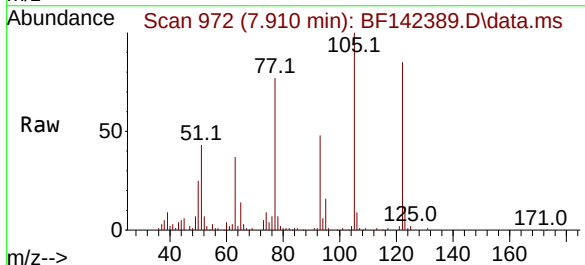
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

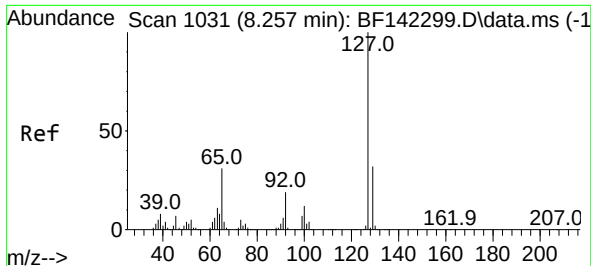
Tgt Ion:128 Resp: 1389634  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.1 13.7  
127 13.2 10.5 15.7



#32  
Benzoic acid  
Concen: 23.298 ng  
RT: 7.910 min Scan# 972  
Delta R.T. -0.030 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:122 Resp: 100050  
Ion Ratio Lower Upper  
122 100  
105 117.4 97.9 137.9  
77 90.6 67.7 107.7

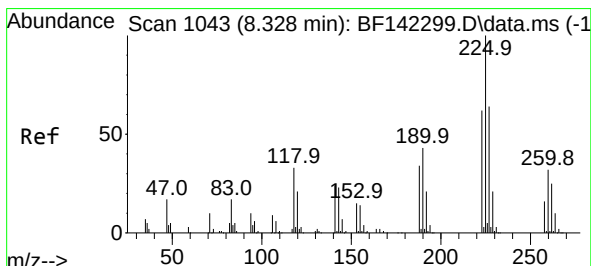
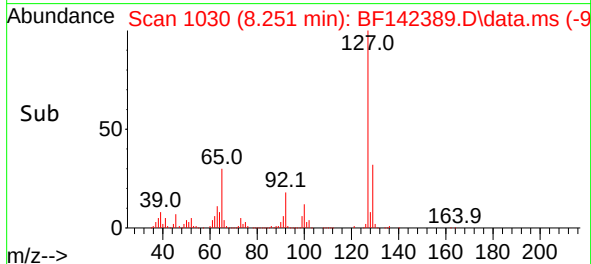
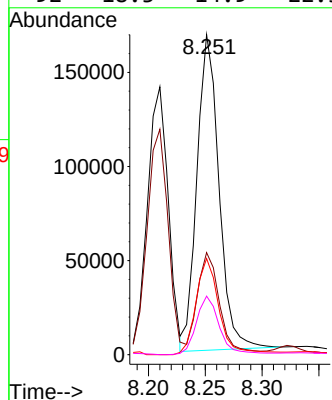
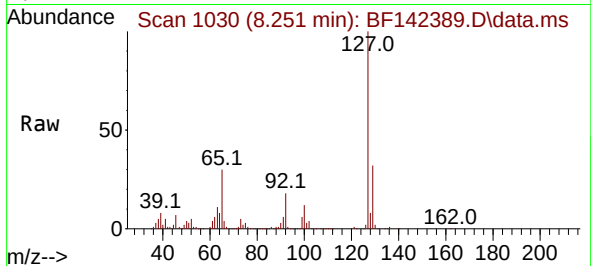




#33  
4-Chloroaniline  
Concen: 17.251 ng  
RT: 8.251 min Scan# 1031  
Delta R.T. -0.016 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

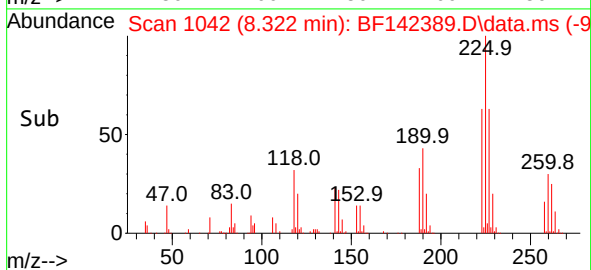
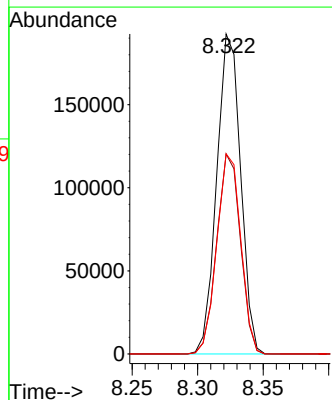
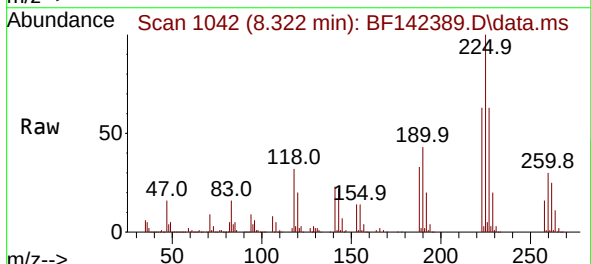
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

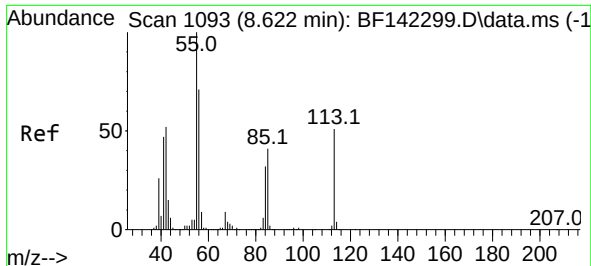
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:127 | Resp: | 225855      |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 31.9  | 25.7 38.5   |
| 65          | 30.0  | 24.9 37.3   |
| 92          | 18.3  | 14.9 22.3   |



#34  
Hexachlorobutadiene  
Concen: 41.556 ng  
RT: 8.322 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 243324      |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 62.5  | 49.8 74.6   |
| 227         | 62.5  | 50.9 76.3   |

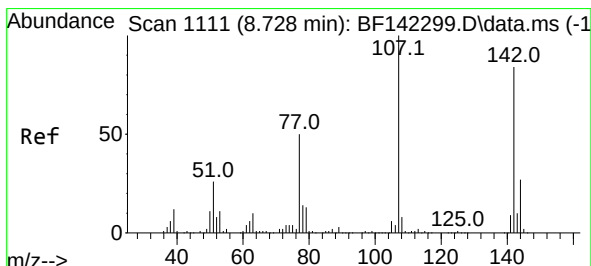
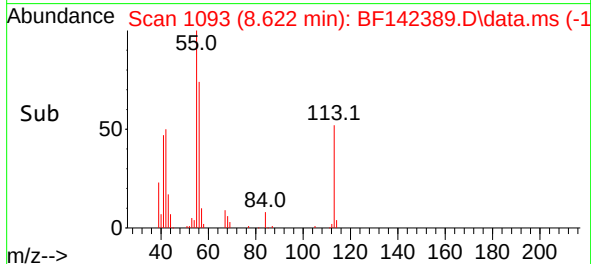
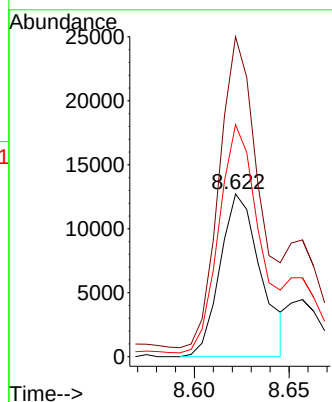
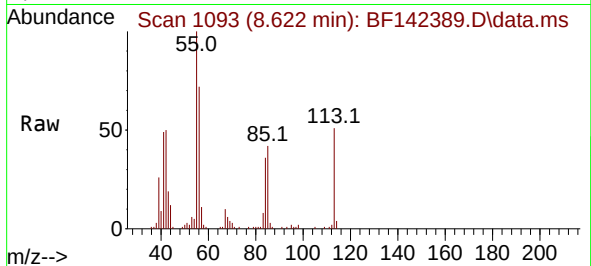




#35  
Caprolactam  
Concen: 7.408 ng  
RT: 8.622 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

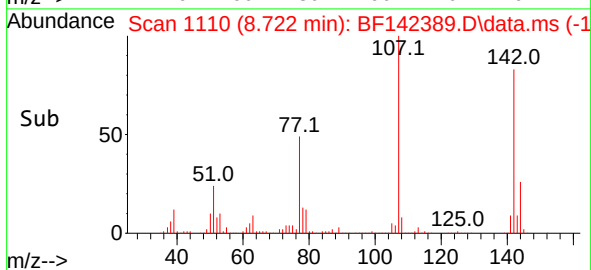
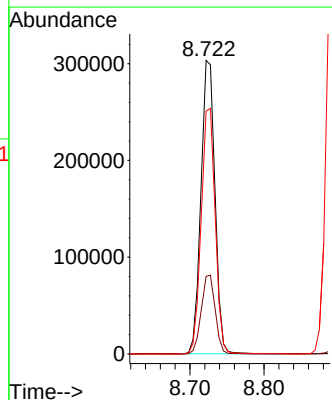
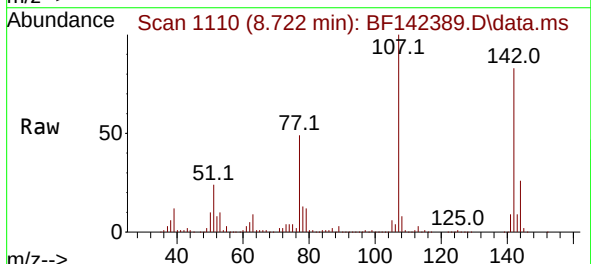
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

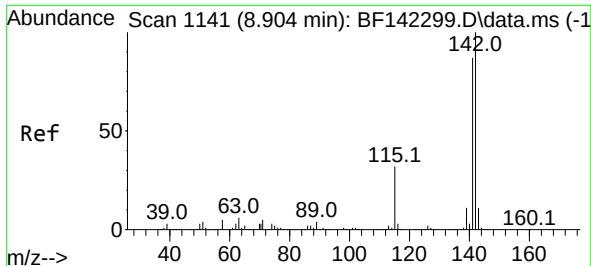
Tgt Ion:113 Resp: 18970  
Ion Ratio Lower Upper  
113 100  
55 196.7 176.4 216.4  
56 142.6 120.3 160.3



#36  
4-Chloro-3-methylphenol  
Concen: 43.626 ng  
RT: 8.722 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:107 Resp: 398461  
Ion Ratio Lower Upper  
107 100  
144 26.5 21.3 31.9  
142 82.7 66.9 100.3

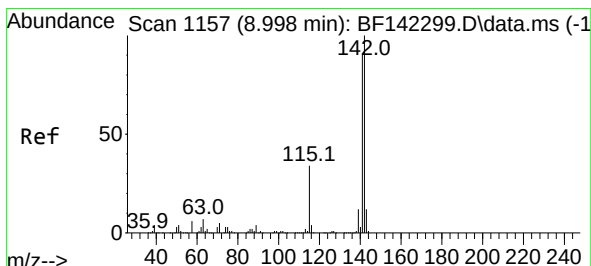
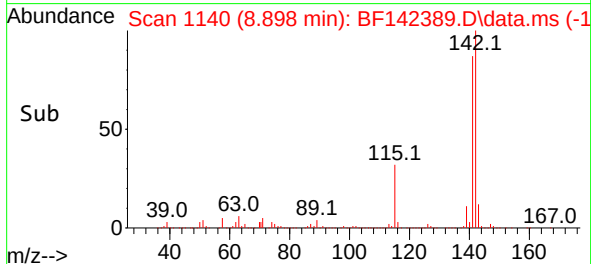
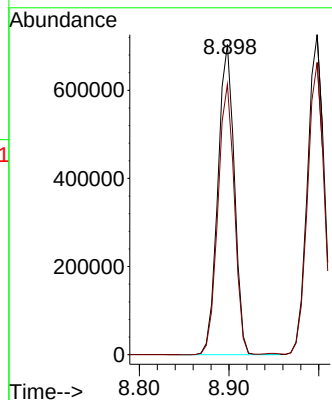
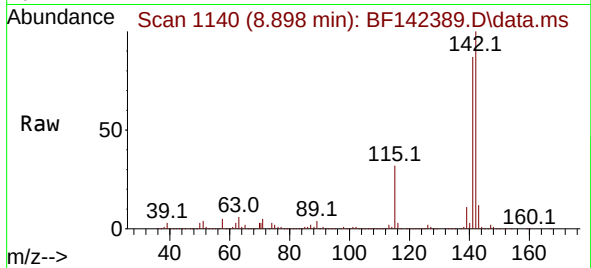




#37  
2-Methylnaphthalene  
Concen: 45.031 ng  
RT: 8.898 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

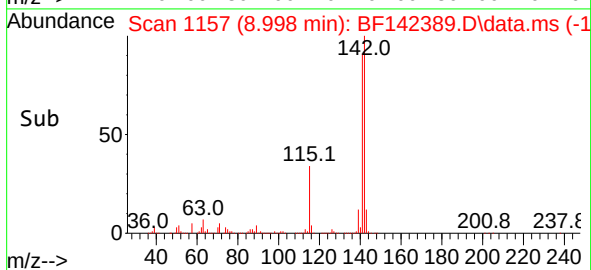
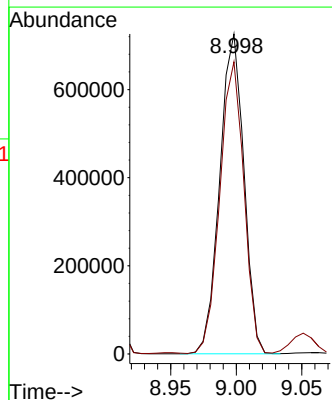
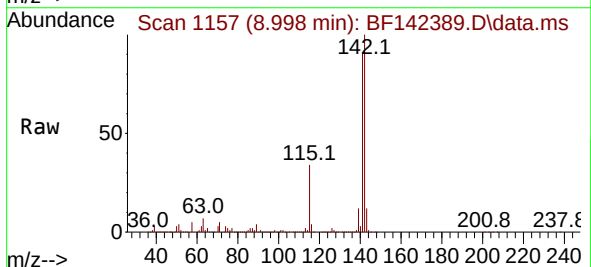
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

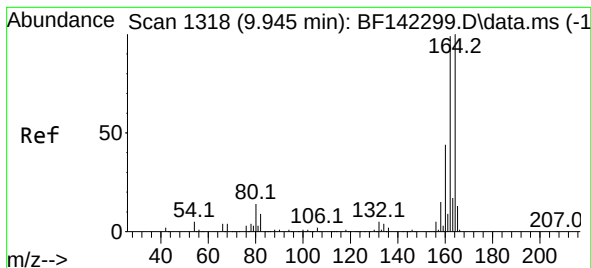
Tgt Ion:142 Resp: 897809  
Ion Ratio Lower Upper  
142 100  
141 87.2 69.4 104.2



#38  
1-Methylnaphthalene  
Concen: 44.675 ng  
RT: 8.998 min Scan# 1157  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:142 Resp: 928360  
Ion Ratio Lower Upper  
142 100  
141 91.3 72.5 108.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

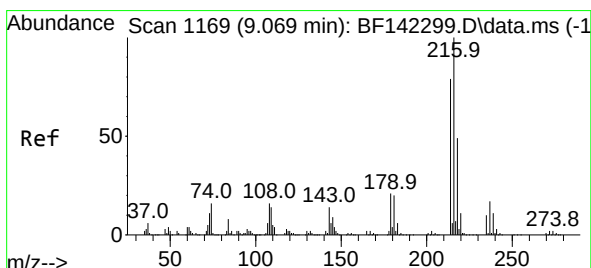
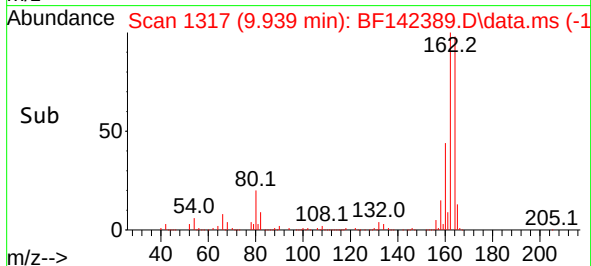
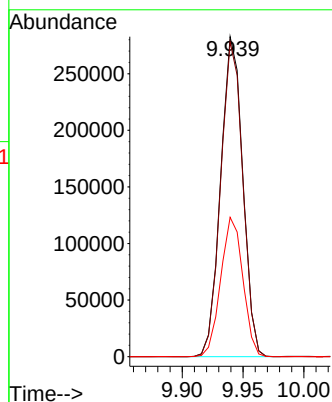
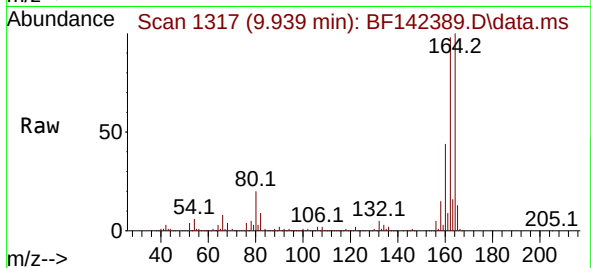
Tgt Ion:164 Resp: 357440

Ion Ratio Lower Upper

164 100

162 98.3 79.2 118.8

160 43.5 35.3 52.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.886 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Tgt Ion:216 Resp: 448092

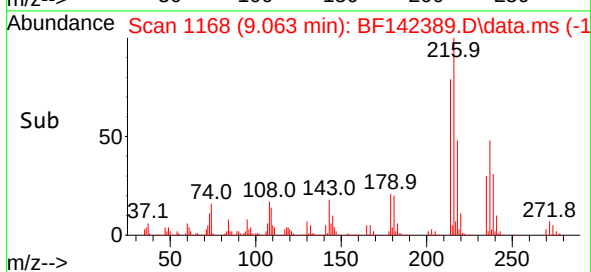
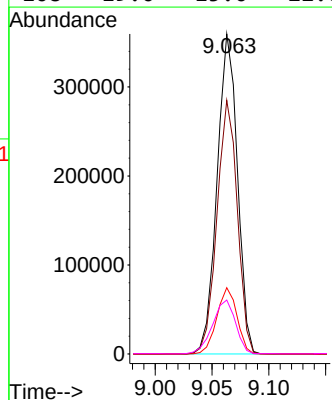
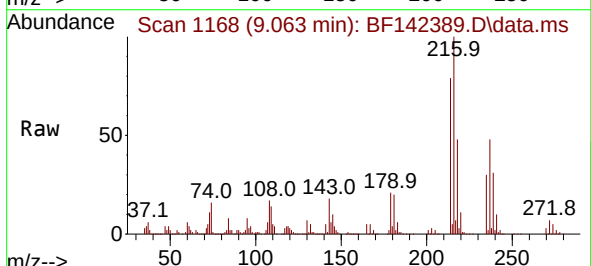
Ion Ratio Lower Upper

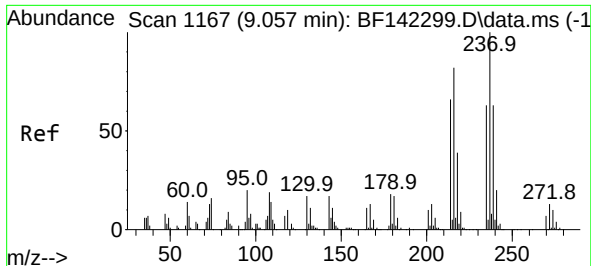
216 100

214 79.1 63.8 95.6

179 20.6 17.0 25.6

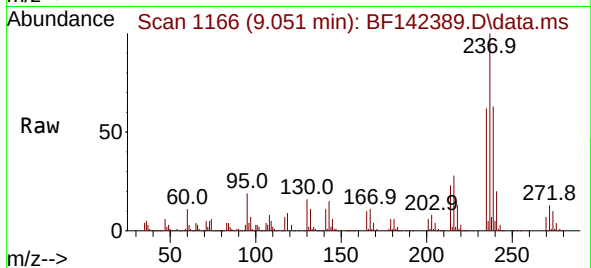
108 19.0 15.0 22.6



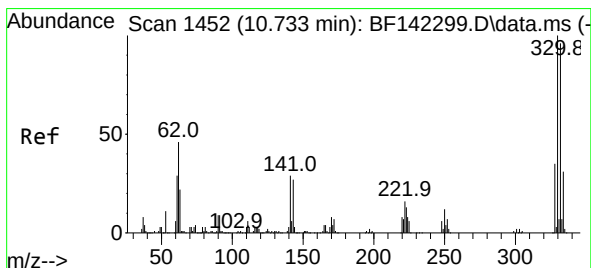
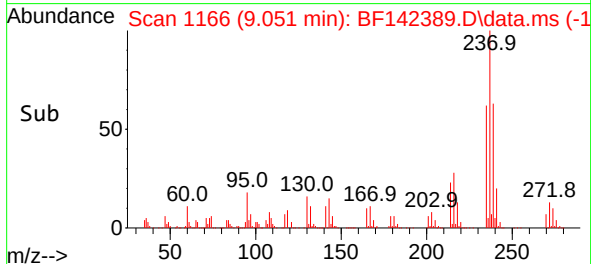
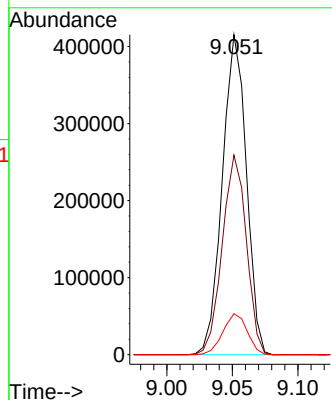


#41  
Hexachlorocyclopentadiene  
Concen: 85.793 ng  
RT: 9.051 min Scan# 1166  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

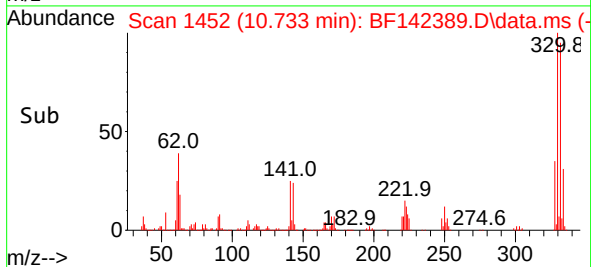
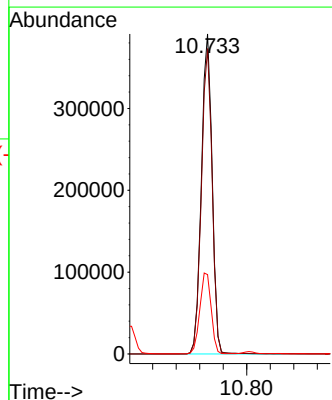
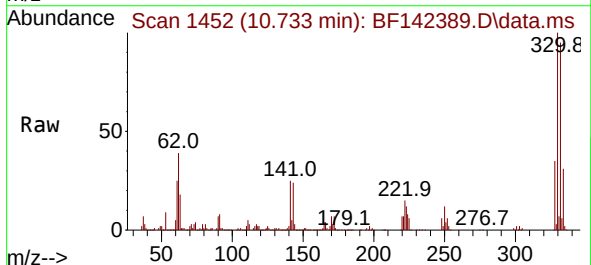


Tgt Ion:237 Resp: 529316  
Ion Ratio Lower Upper  
237 100  
235 62.4 42.8 82.8  
272 12.8 0.0 33.0

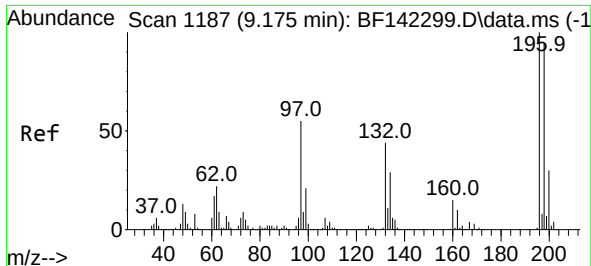


#42  
2,4,6-Tribromophenol  
Concen: 144.002 ng  
RT: 10.733 min Scan# 1452  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:330 Resp: 496952  
Ion Ratio Lower Upper  
330 100  
332 95.5 76.8 115.2  
141 26.5 24.9 37.3

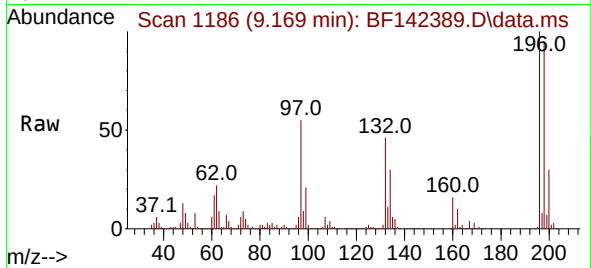




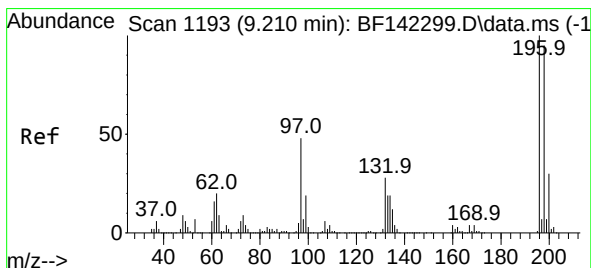
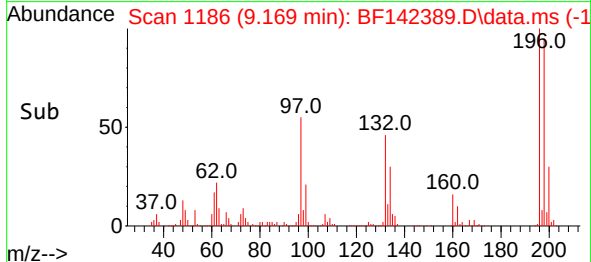
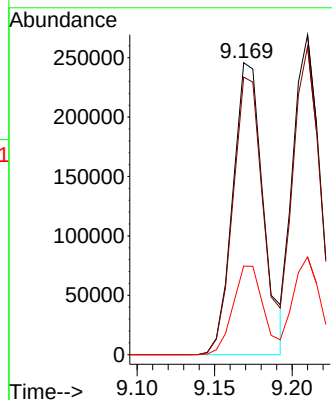


#43  
2,4,6-Trichlorophenol  
Concen: 53.182 ng  
RT: 9.169 min Scan# 1186  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

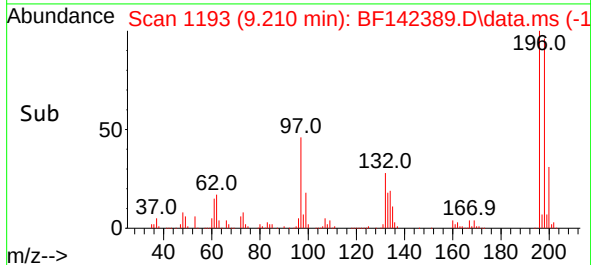
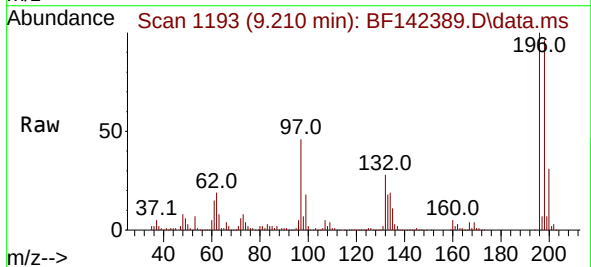
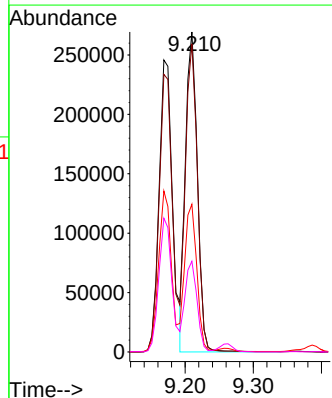


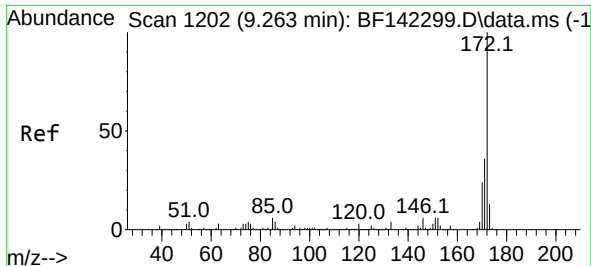
Tgt Ion:196 Resp: 334881  
Ion Ratio Lower Upper  
196 100  
198 95.1 75.4 113.0  
200 30.3 24.3 36.5



#44  
2,4,5-Trichlorophenol  
Concen: 48.481 ng  
RT: 9.210 min Scan# 1193  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:196 Resp: 324822  
Ion Ratio Lower Upper  
196 100  
198 96.3 76.1 114.1  
97 46.2 39.0 58.4  
132 28.3 23.3 34.9

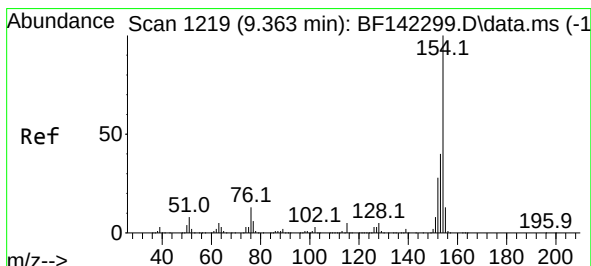
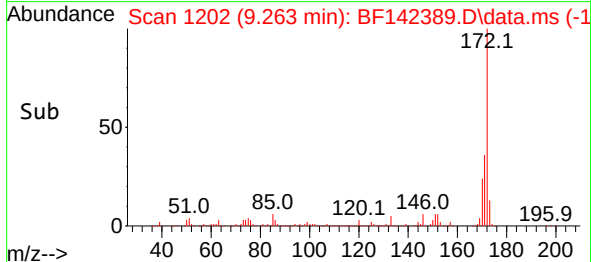
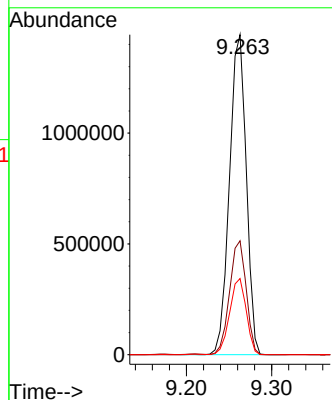
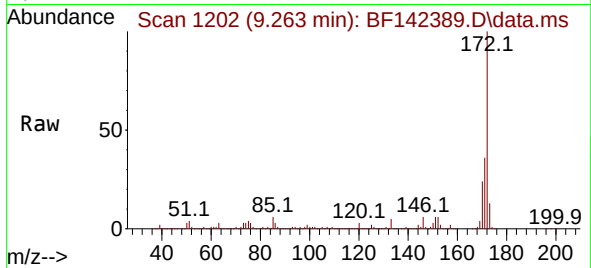




#45  
2-Fluorobiphenyl  
Concen: 78.670 ng  
RT: 9.263 min Scan# 1202  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

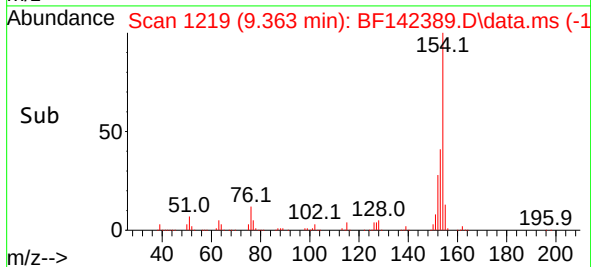
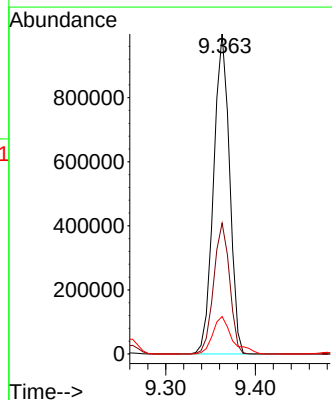
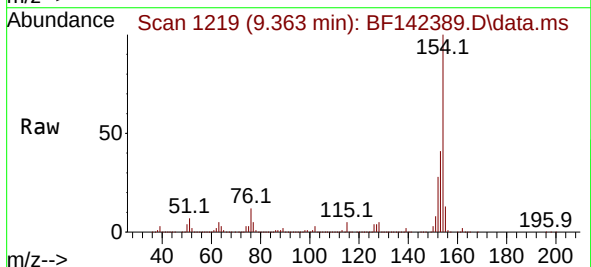
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

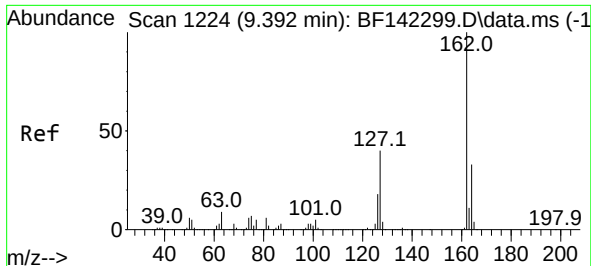
Tgt Ion:172 Resp: 1972111  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 42.8  
170 23.8 19.0 28.4



#46  
1,1'-Biphenyl  
Concen: 45.041 ng  
RT: 9.363 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:154 Resp: 1234418  
Ion Ratio Lower Upper  
154 100  
153 40.9 20.5 60.5  
76 11.7 0.0 32.8

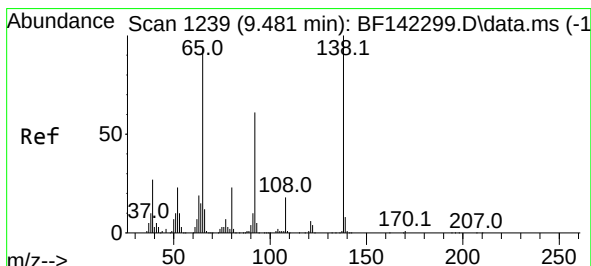
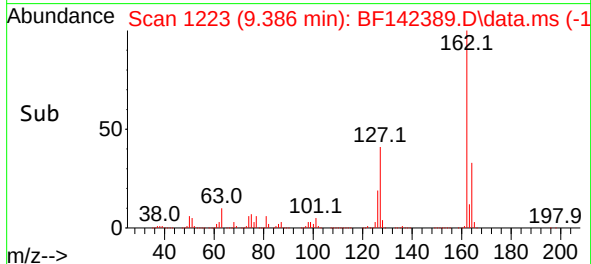
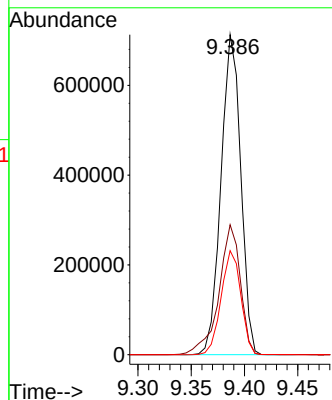
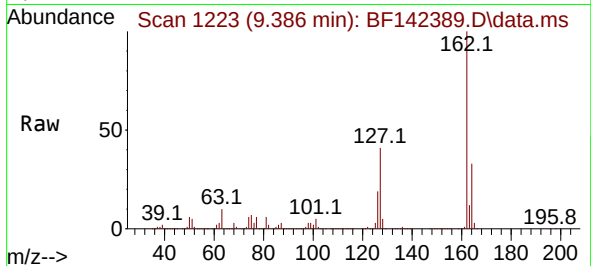




#47  
2-Chloronaphthalene  
Concen: 45.002 ng  
RT: 9.386 min Scan# 1223  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

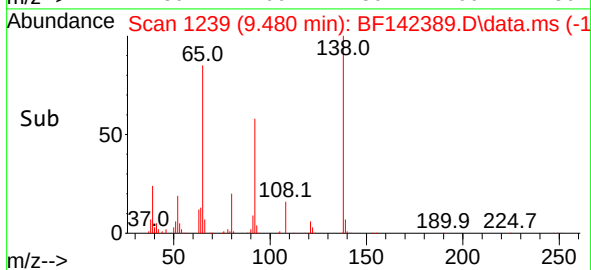
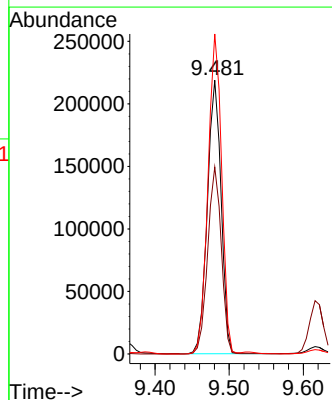
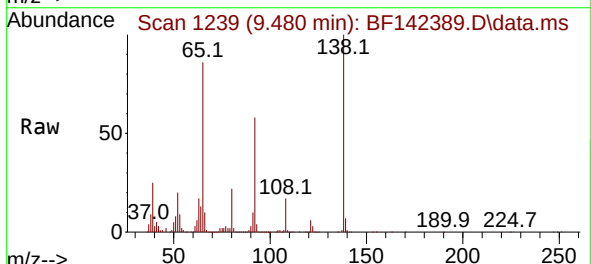
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

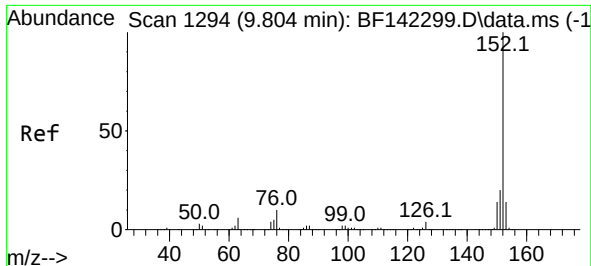
Tgt Ion:162 Resp: 917216  
Ion Ratio Lower Upper  
162 100  
127 40.6 32.3 48.5  
164 32.5 26.6 40.0



#48  
2-Nitroaniline  
Concen: 54.101 ng  
RT: 9.480 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion: 65 Resp: 282636  
Ion Ratio Lower Upper  
65 100  
92 68.3 52.3 78.5  
138 116.9 85.6 128.4

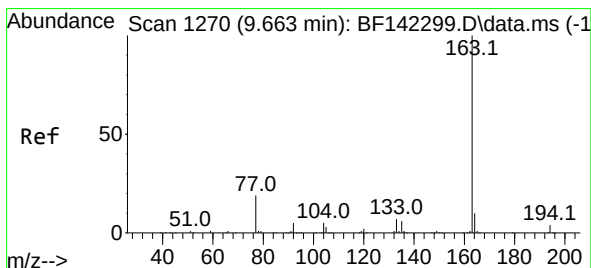
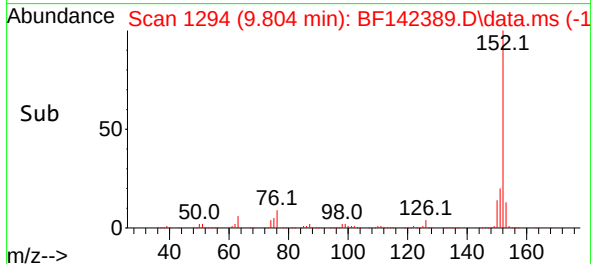
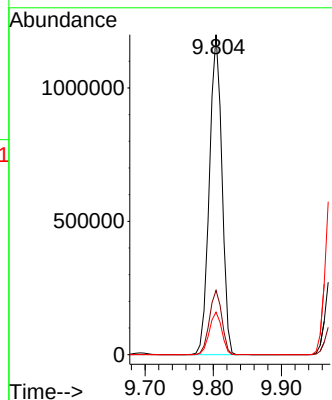
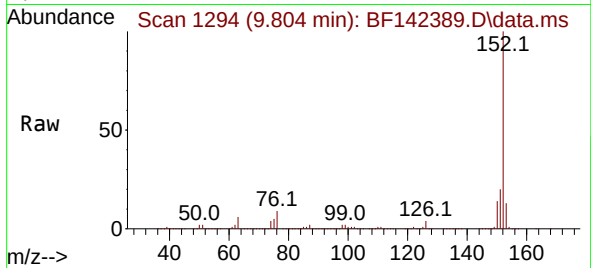




#49  
Acenaphthylene  
Concen: 44.966 ng  
RT: 9.804 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

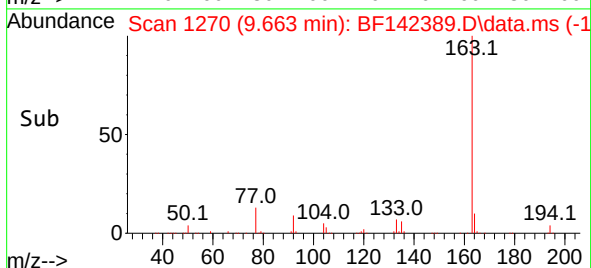
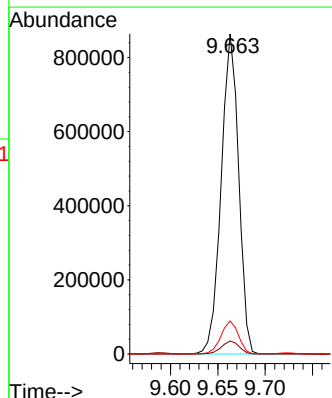
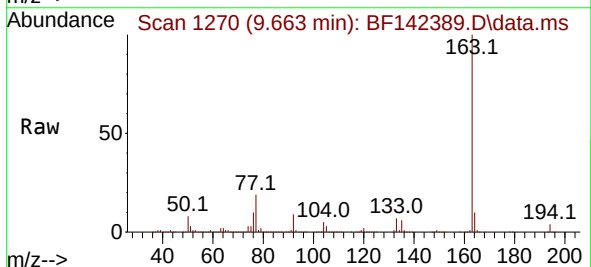
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

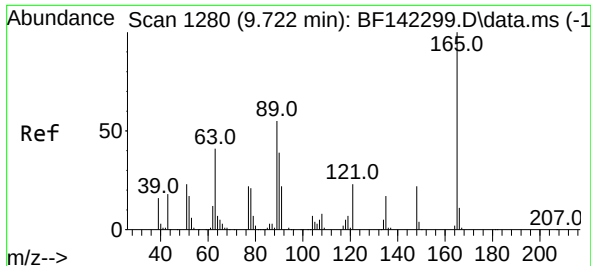
Tgt Ion:152 Resp: 1533127  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.0 24.0  
153 13.3 10.8 16.2



#50  
Dimethylphthalate  
Concen: 48.324 ng  
RT: 9.663 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:163 Resp: 1109141  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.2 4.8  
164 10.3 8.3 12.5

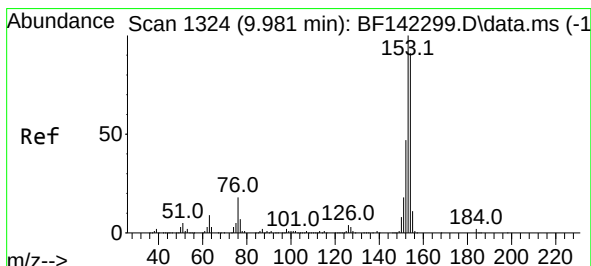
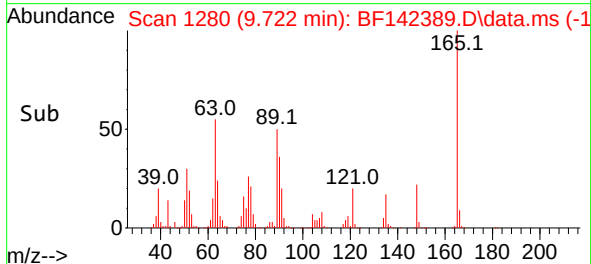
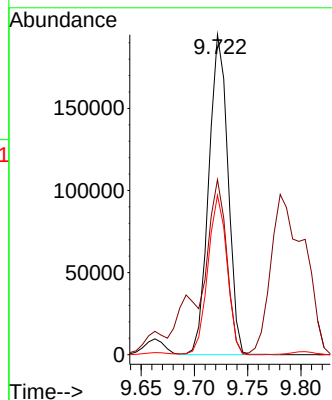
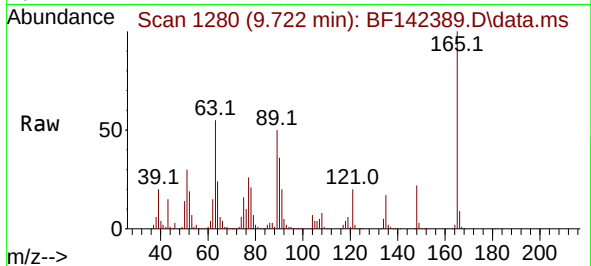




#51  
2,6-Dinitrotoluene  
Concen: 56.826 ng  
RT: 9.722 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

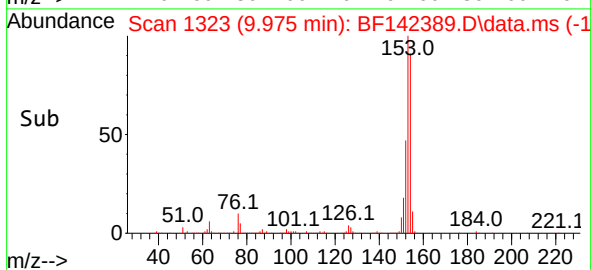
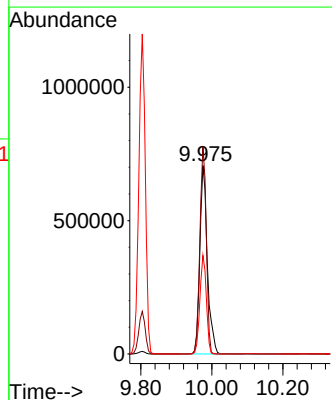
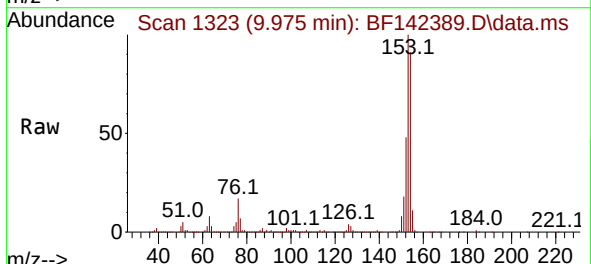
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

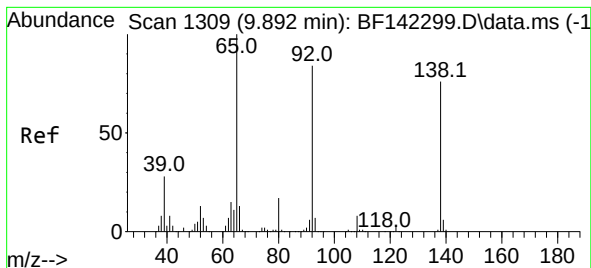
Tgt Ion:165 Resp: 244138  
Ion Ratio Lower Upper  
165 100  
63 54.7 49.5 74.3  
89 49.8 44.6 66.8



#52  
Acenaphthene  
Concen: 50.877 ng  
RT: 9.975 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:154 Resp: 1043039  
Ion Ratio Lower Upper  
154 100  
153 110.1 88.0 132.0  
152 52.3 41.6 62.4





#53

3-Nitroaniline

Concen: 25.883 ng

RT: 9.886 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

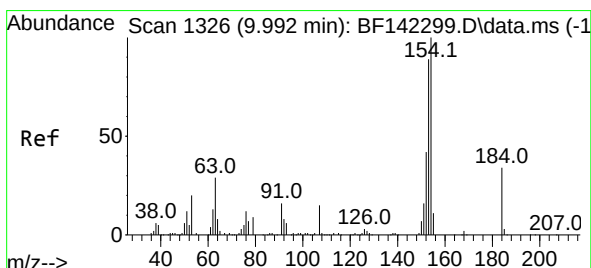
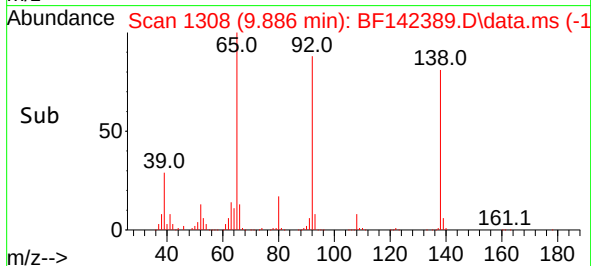
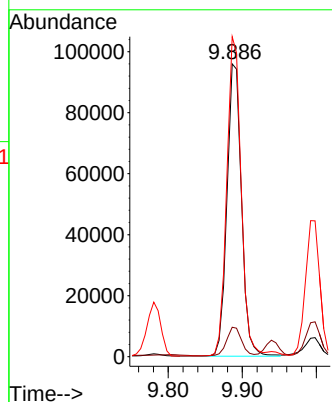
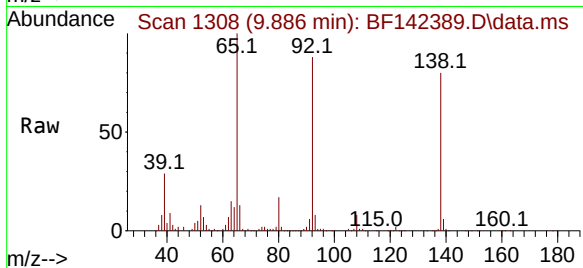
Tgt Ion:138 Resp: 130415

Ion Ratio Lower Upper

138 100

108 10.0 8.7 13.1

92 109.3 89.5 134.3



#54

2,4-Dinitrophenol

Concen: 114.370 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

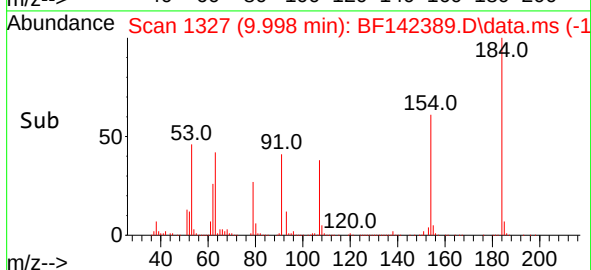
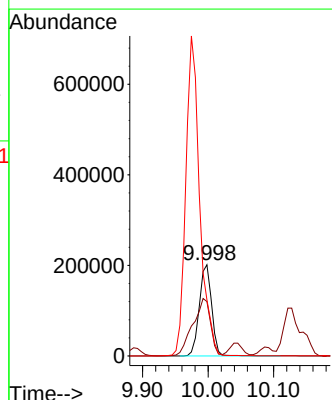
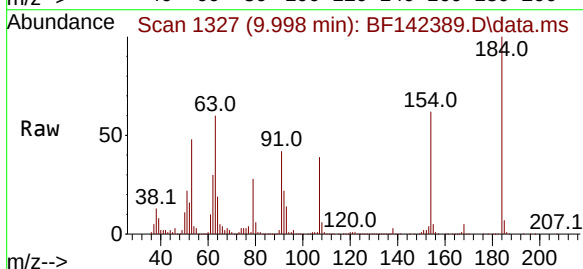
Tgt Ion:184 Resp: 265247

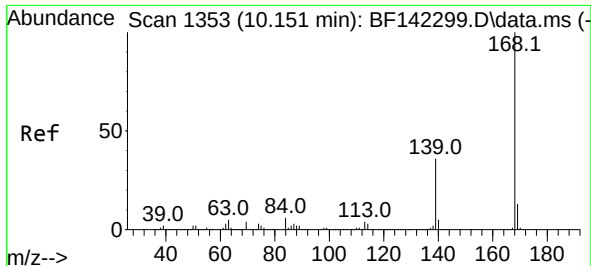
Ion Ratio Lower Upper

184 100

63 59.7 70.6 105.8#

154 61.7 257.2 385.8#

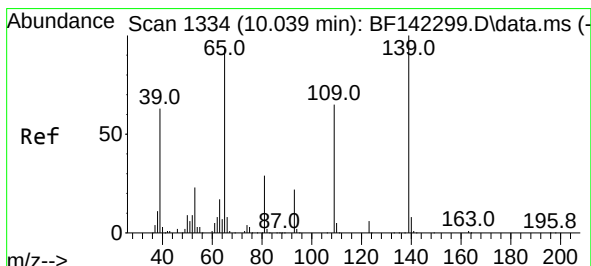
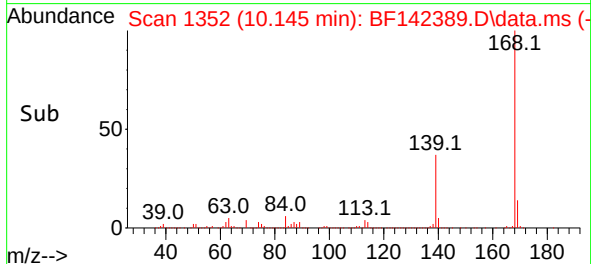
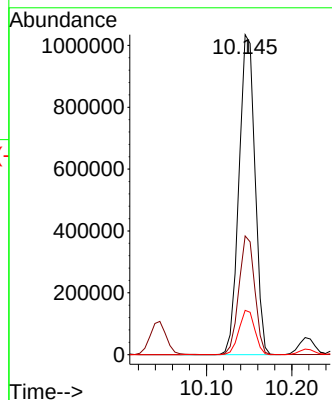
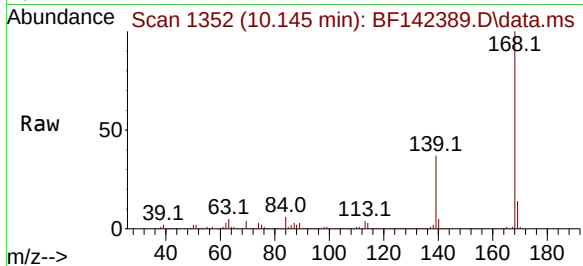




#55  
Dibenzenofuran  
Concen: 44.704 ng  
RT: 10.145 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

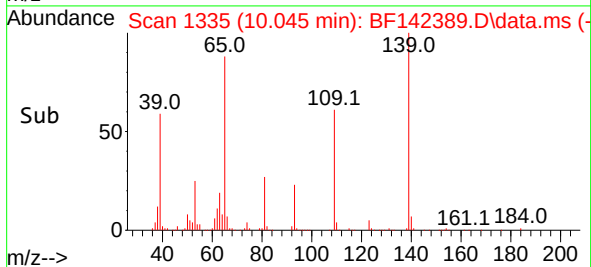
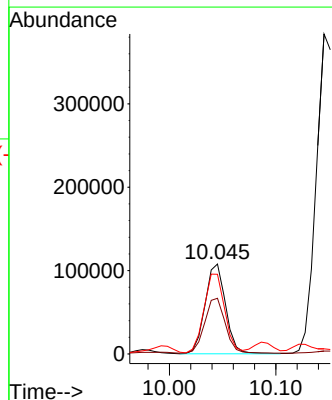
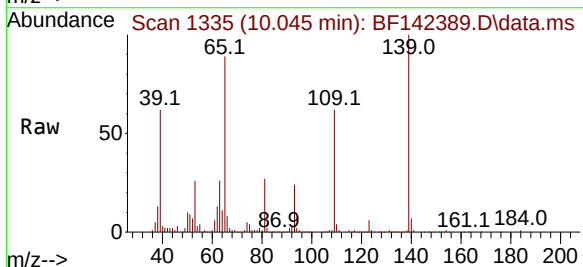
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

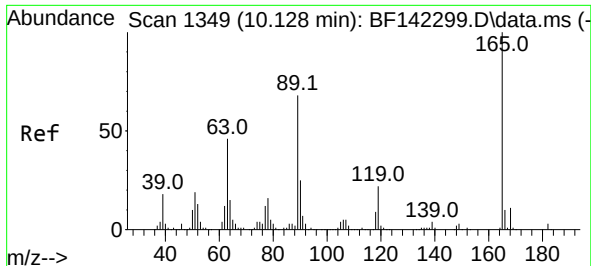
Tgt Ion:168 Resp: 1352552  
Ion Ratio Lower Upper  
168 100  
139 37.1 29.0 43.4  
169 13.8 10.7 16.1



#56  
4-Nitrophenol  
Concen: 37.888 ng  
RT: 10.045 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:139 Resp: 143679  
Ion Ratio Lower Upper  
139 100  
109 62.0 45.3 85.3  
65 88.7 73.9 113.9

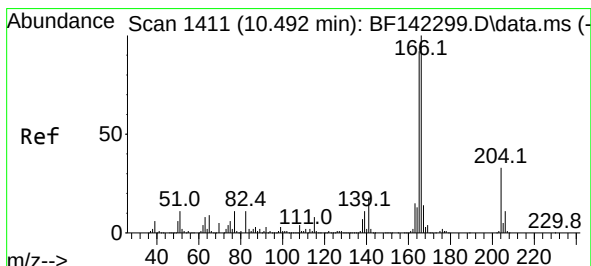
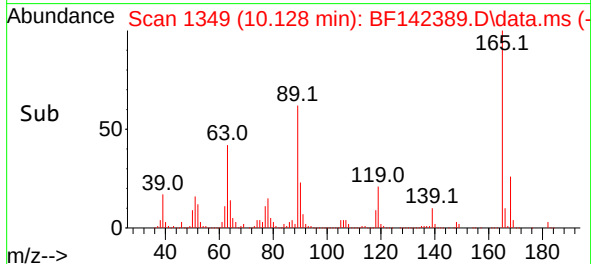
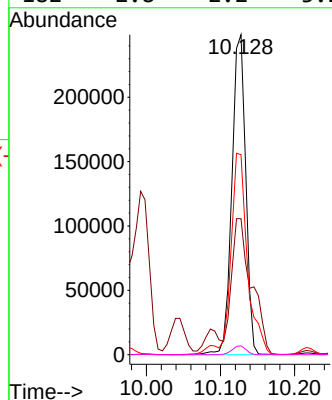
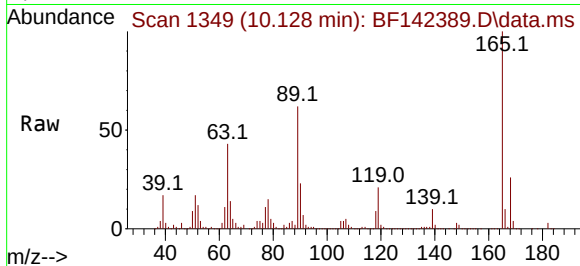




#57  
2,4-Dinitrotoluene  
Concen: 58.409 ng  
RT: 10.128 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

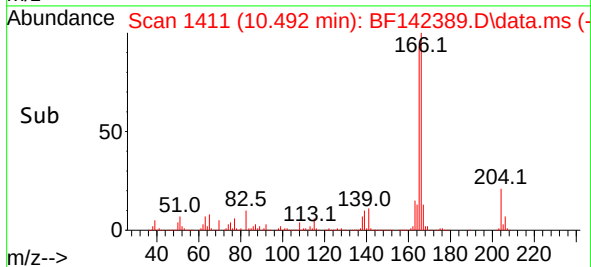
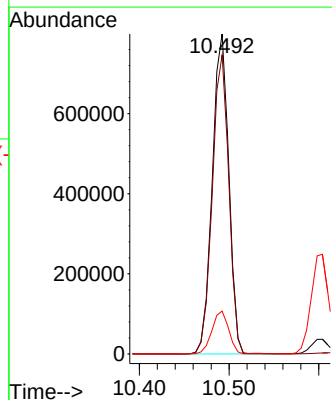
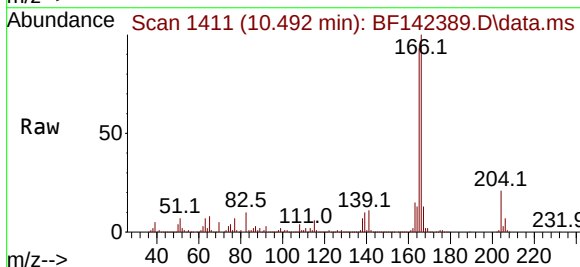
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion:165 Resp: 321887  
Ion Ratio Lower Upper  
165 100  
63 42.5 37.1 55.7  
89 62.5 54.4 81.6  
182 2.8 2.2 3.2

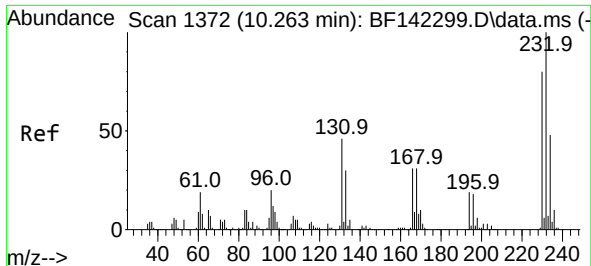


#58  
Fluorene  
Concen: 44.166 ng  
RT: 10.492 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:166 Resp: 1019788  
Ion Ratio Lower Upper  
166 100  
165 93.4 74.0 111.0  
167 13.4 10.9 16.3



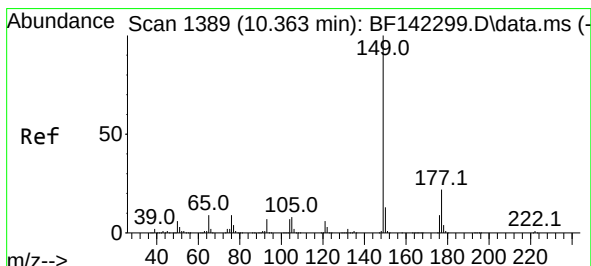
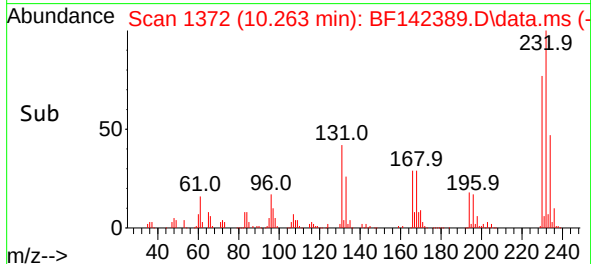
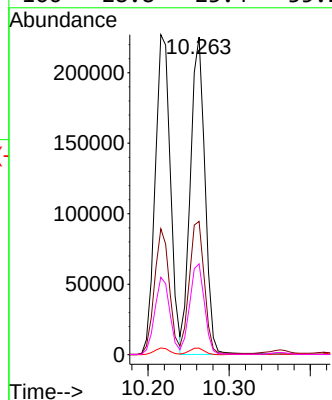
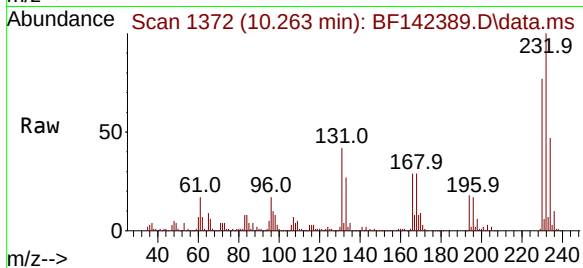




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.862 ng  
RT: 10.263 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

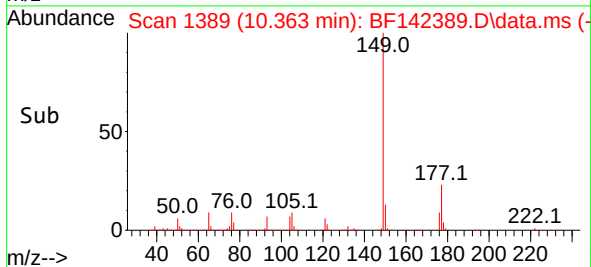
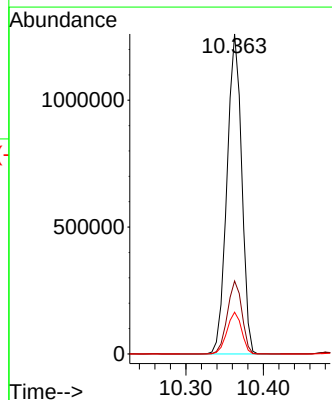
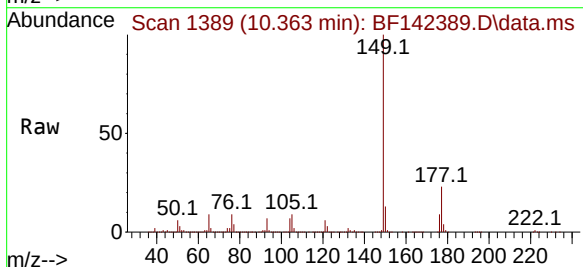
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

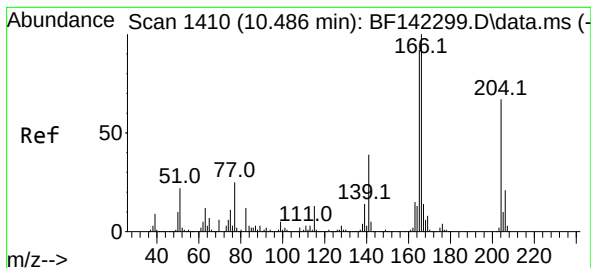
Tgt Ion:232 Resp: 281314  
Ion Ratio Lower Upper  
232 100  
131 42.6 36.0 54.0  
130 2.2 1.8 2.6  
166 28.8 23.4 35.2



#60  
Diethylphthalate  
Concen: 72.520 ng  
RT: 10.363 min Scan# 1389  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 1662268  
Ion Ratio Lower Upper  
149 100  
177 22.8 17.6 26.4  
150 13.1 10.1 15.1

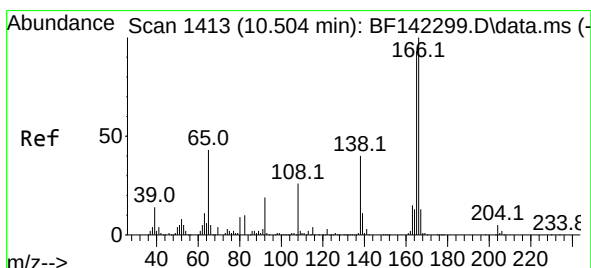
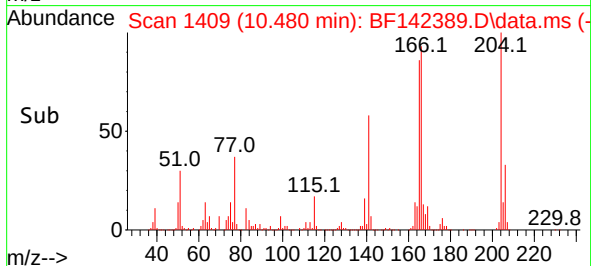
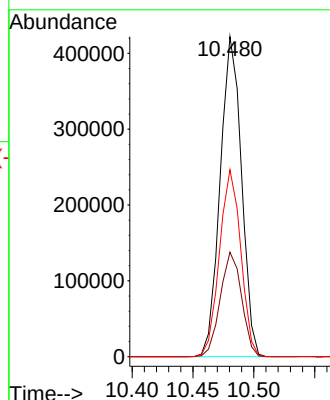
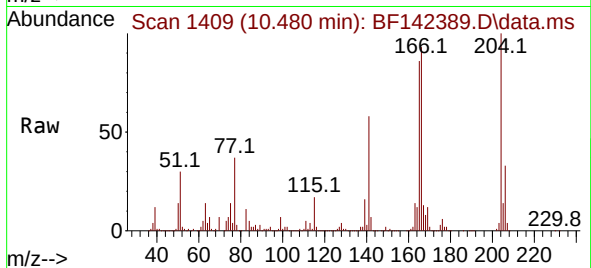




#61  
4-Chlorophenyl-phenylether  
Concen: 46.190 ng  
RT: 10.480 min Scan# 1410  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

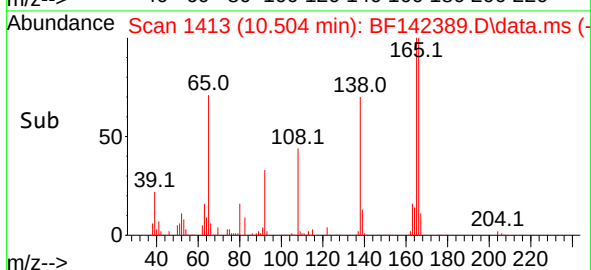
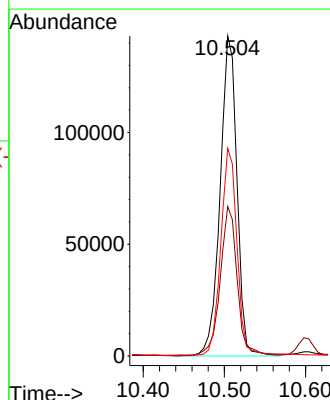
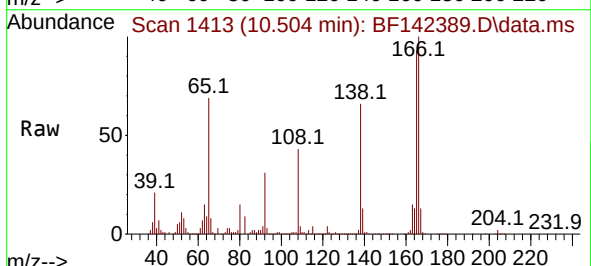
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

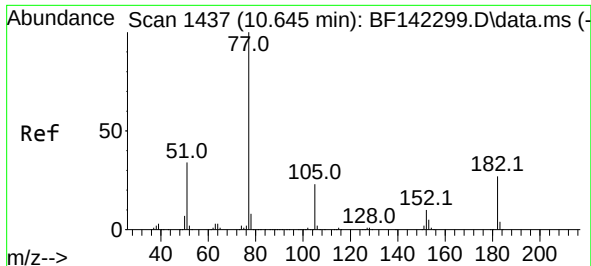
Tgt Ion:204 Resp: 514546  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.5 38.3  
141 58.4 46.4 69.6



#62  
4-Nitroaniline  
Concen: 51.876 ng  
RT: 10.504 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:138 Resp: 207168  
Ion Ratio Lower Upper  
138 100  
92 46.7 27.3 67.3  
108 64.9 45.1 85.1

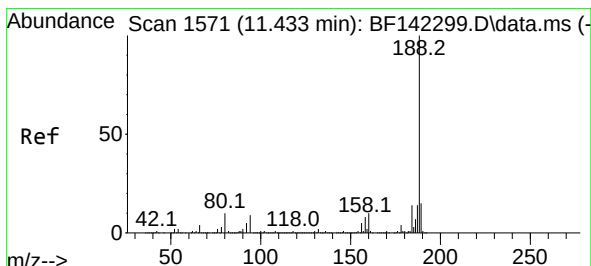
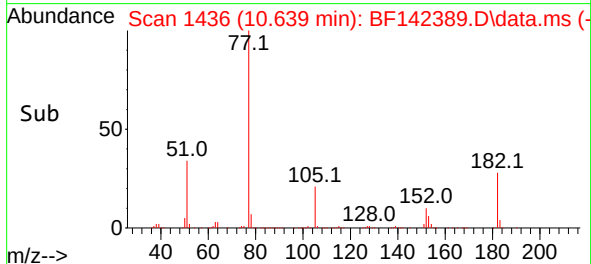
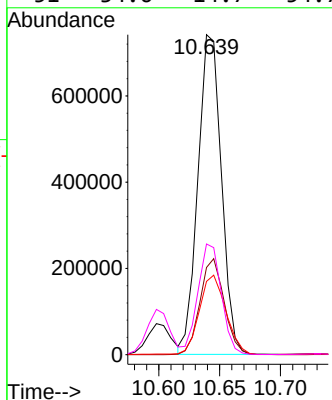
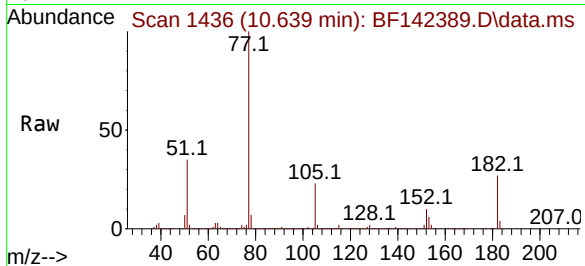




#63  
Azobenzene  
Concen: 45.468 ng  
RT: 10.639 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

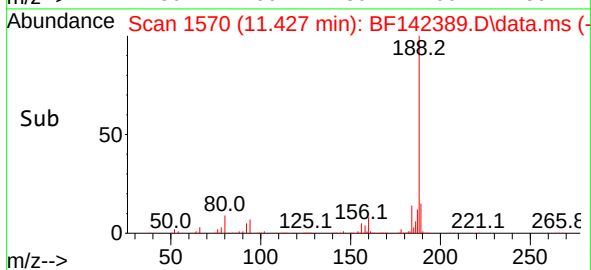
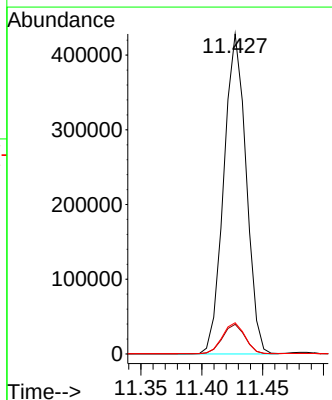
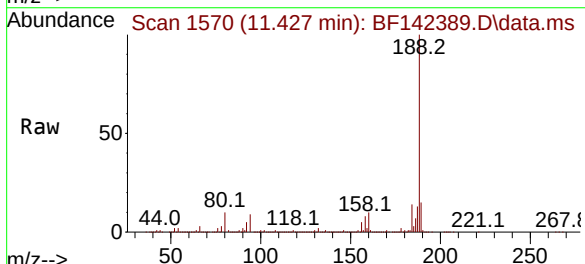
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

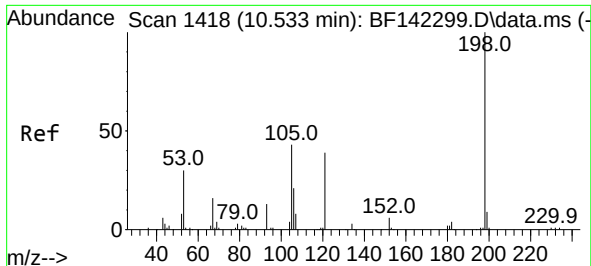
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 995905 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 27.3    | 6.9 46.9     |
| 105 22.9    | 2.7 42.7     |
| 51 34.6     | 14.7 54.7    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.427 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 546787 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.2      | 7.5 11.3     |
| 80 9.8      | 7.9 11.9     |

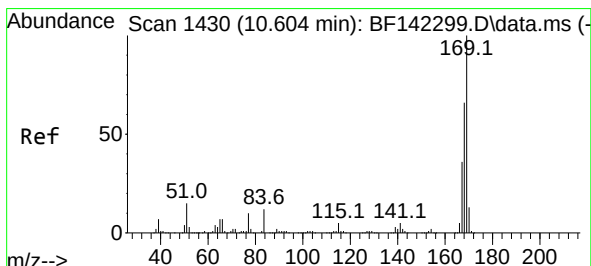
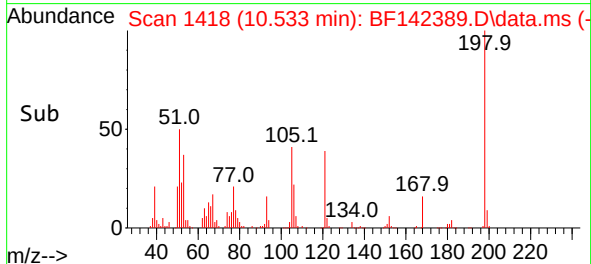
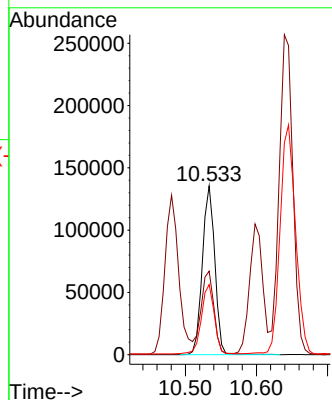
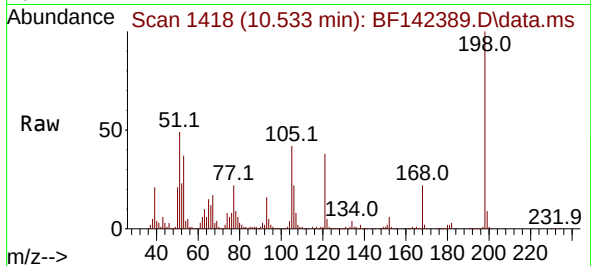




#65  
4,6-Dinitro-2-methylphenol  
Concen: 62.409 ng  
RT: 10.533 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

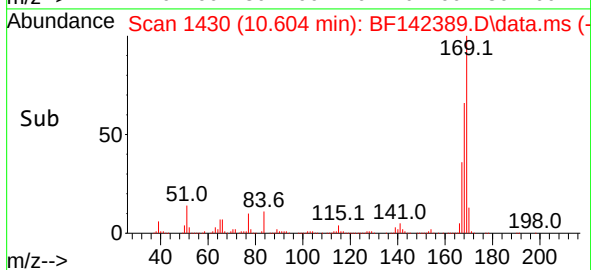
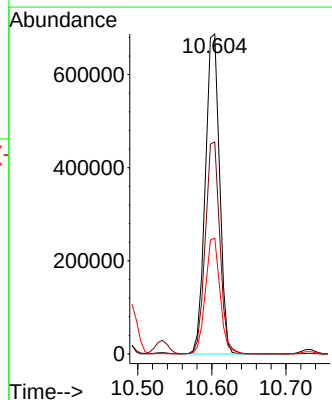
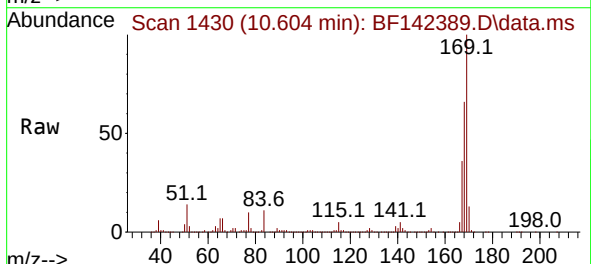
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

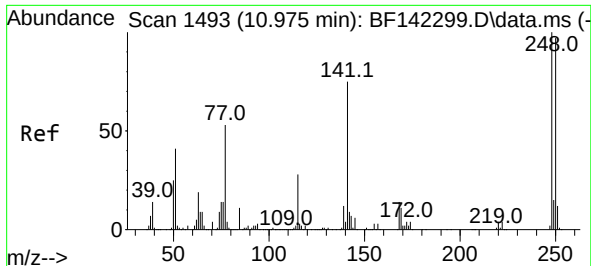
Tgt Ion:198 Resp: 165536  
Ion Ratio Lower Upper  
198 100  
51 49.5 32.9 72.9  
105 41.5 23.7 63.7



#66  
n-Nitrosodiphenylamine  
Concen: 50.347 ng  
RT: 10.604 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:169 Resp: 916055  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.2 79.8  
167 36.2 28.9 43.3

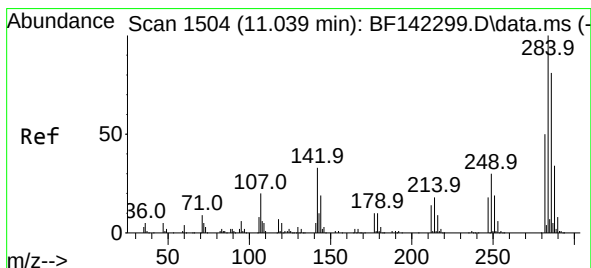
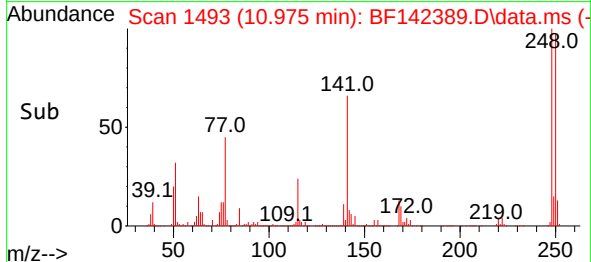
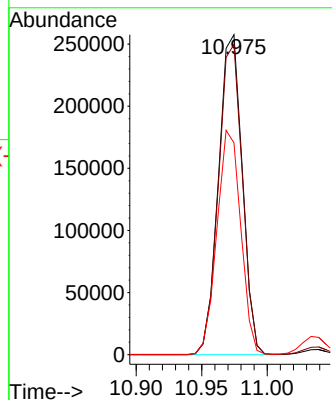
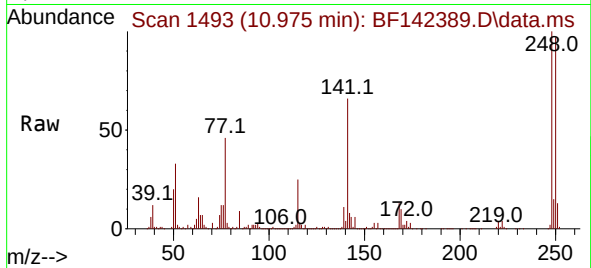




#67  
4-Bromophenyl-phenylether  
Concen: 52.554 ng  
RT: 10.975 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

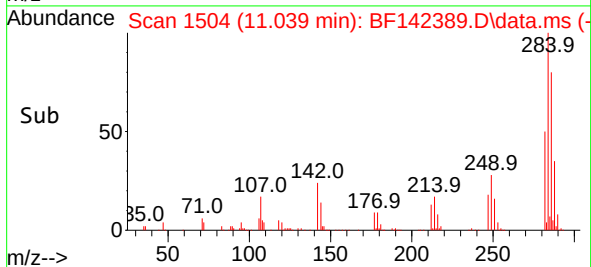
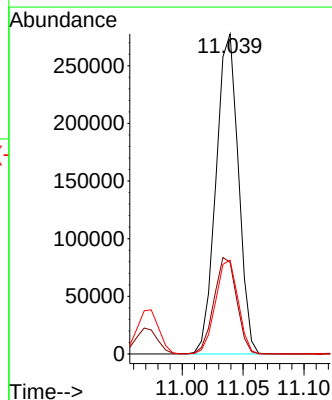
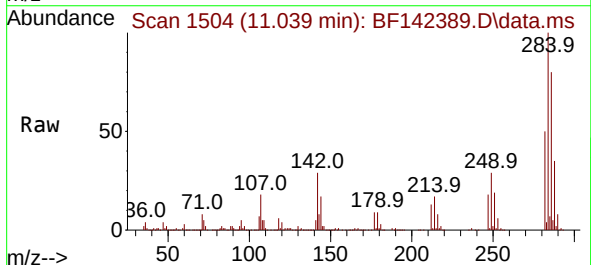
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

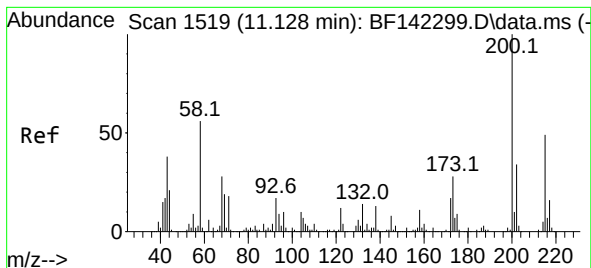
Tgt Ion:248 Resp: 325670  
Ion Ratio Lower Upper  
248 100  
250 97.0 77.9 116.9  
141 66.2 59.8 89.8



#68  
Hexachlorobenzene  
Concen: 52.158 ng  
RT: 11.039 min Scan# 1504  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:284 Resp: 355537  
Ion Ratio Lower Upper  
284 100  
142 28.6 26.6 39.8  
249 29.3 24.1 36.1





#69

Atrazine

Concen: 49.027 ng

RT: 11.127 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

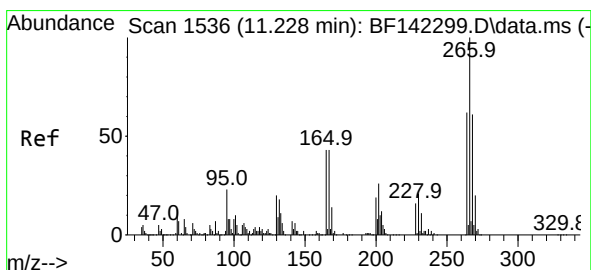
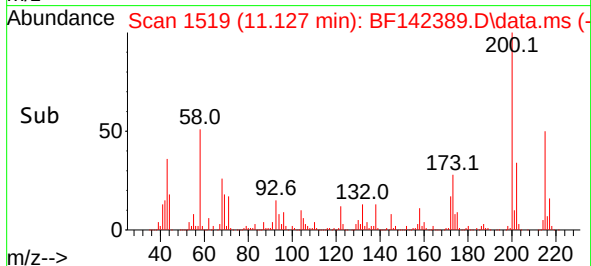
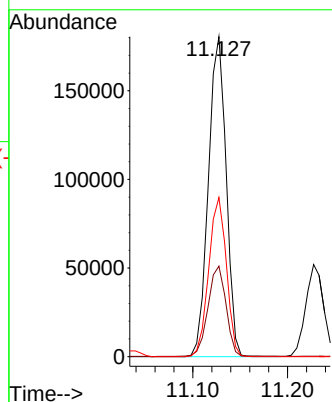
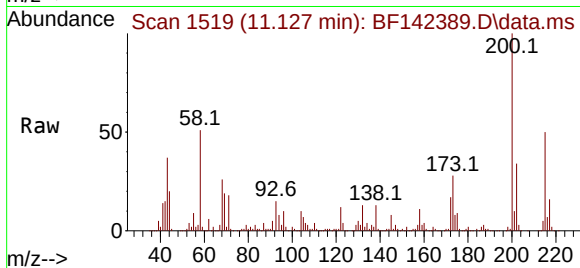
Tgt Ion:200 Resp: 235144

Ion Ratio Lower Upper

200 100

173 28.3 8.1 48.1

215 49.7 28.8 68.8



#70

Pentachlorophenol

Concen: 110.768 ng

RT: 11.227 min Scan# 1536

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

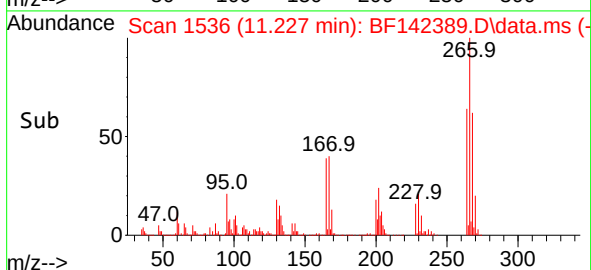
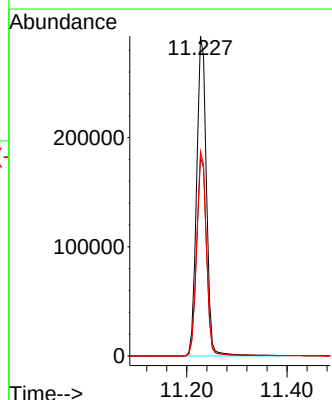
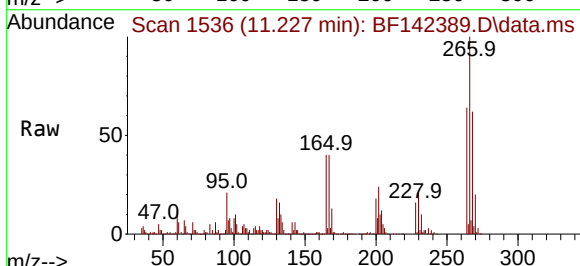
Tgt Ion:266 Resp: 397210

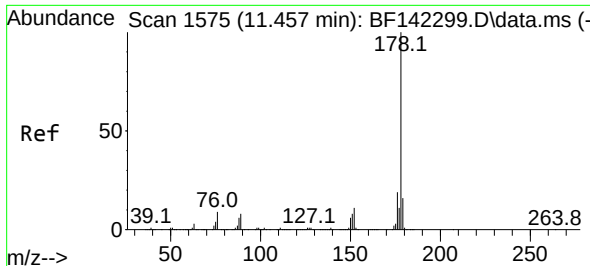
Ion Ratio Lower Upper

266 100

268 62.1 48.7 73.1

264 64.0 49.8 74.6

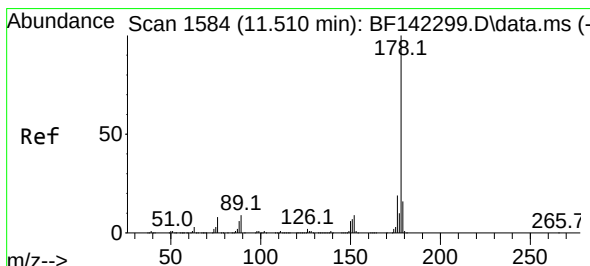
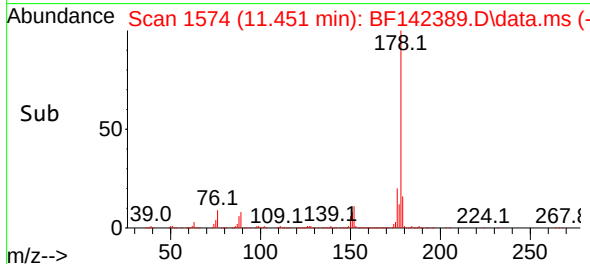
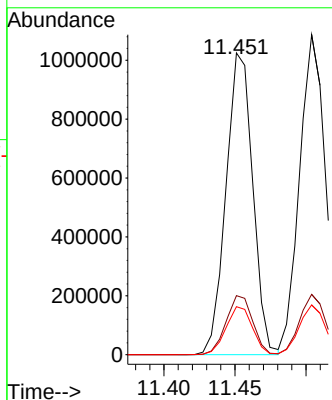
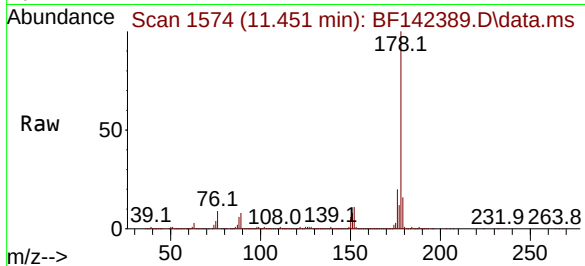




#71  
Phenanthrene  
Concen: 46.908 ng  
RT: 11.451 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

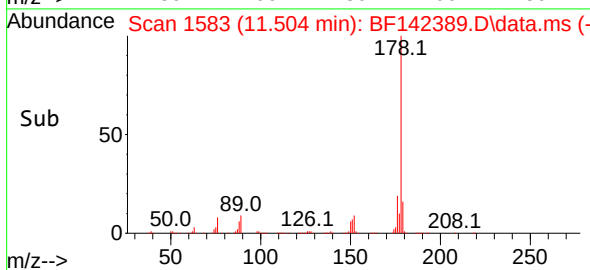
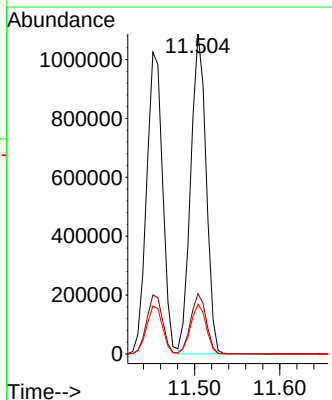
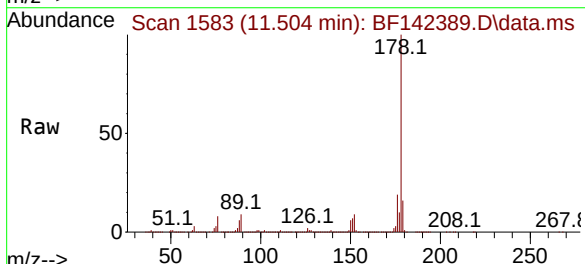
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

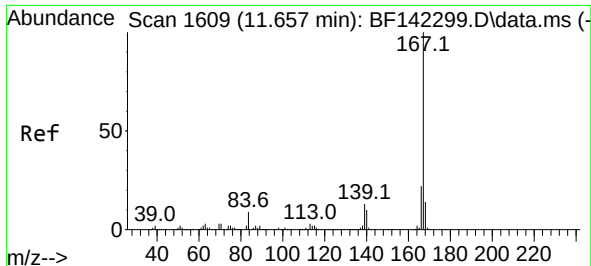
Tgt Ion:178 Resp: 1344429  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.5 23.3  
179 15.9 12.6 18.8



#72  
Anthracene  
Concen: 46.389 ng  
RT: 11.504 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:178 Resp: 1366126  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 15.6 12.6 18.8



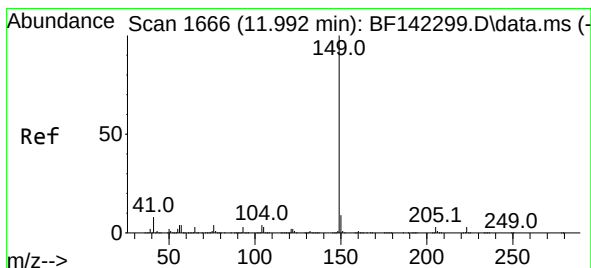
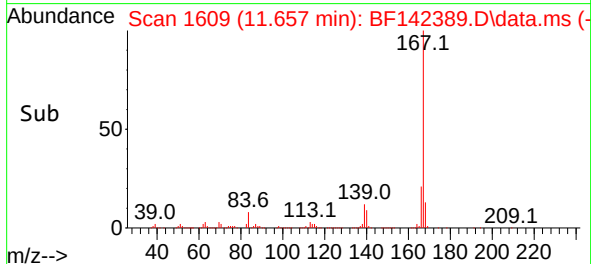
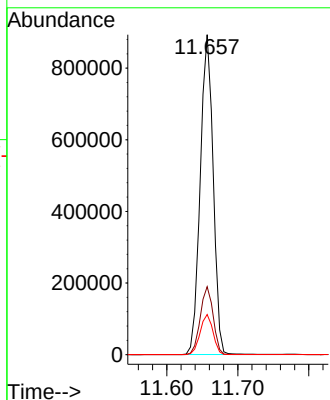
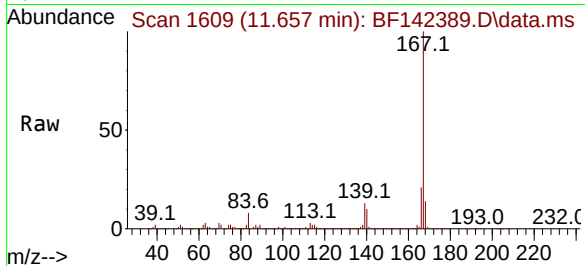


#73  
 Carbazole  
 Concen: 42.901 ng  
 RT: 11.657 min Scan# 1609  
 Delta R.T. -0.000 min  
 Lab File: BF142389.D  
 Acq: 15 May 2025 12:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3-20250508MSD

Tgt Ion:167 Resp: 1133485  

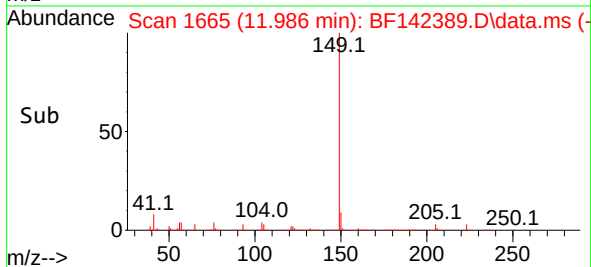
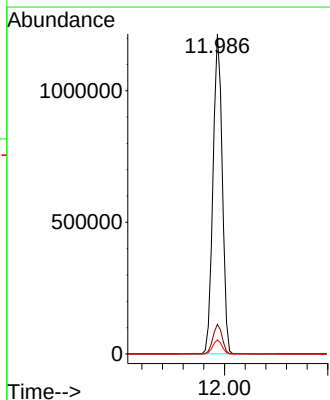
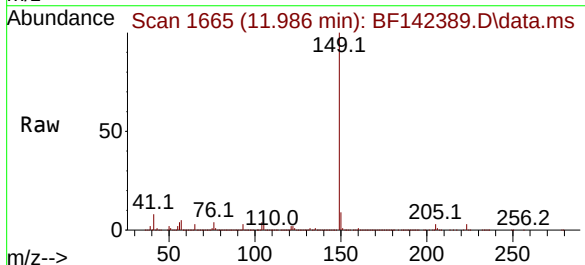
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.3  | 17.2  | 25.8  |
| 139 | 12.5  | 10.3  | 15.5  |



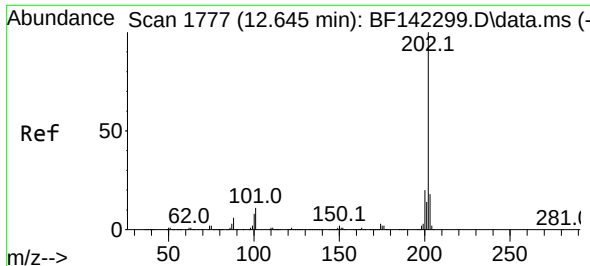
#74  
 Di-n-butylphthalate  
 Concen: 54.164 ng  
 RT: 11.986 min Scan# 1665  
 Delta R.T. -0.006 min  
 Lab File: BF142389.D  
 Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 1504794  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.2   | 7.5   | 11.3  |
| 104 | 4.4   | 3.6   | 5.4   |



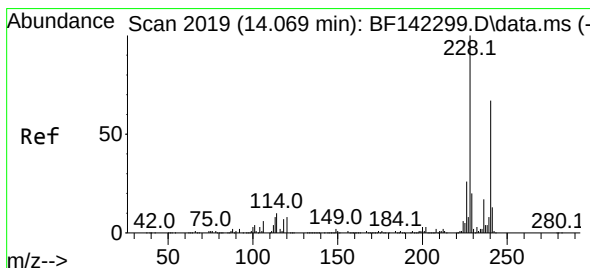
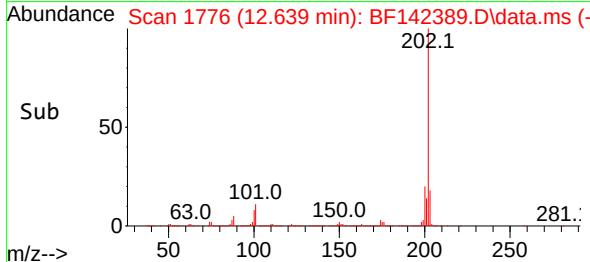
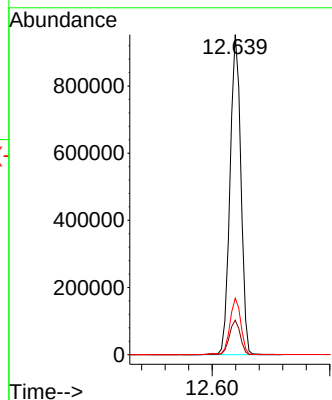
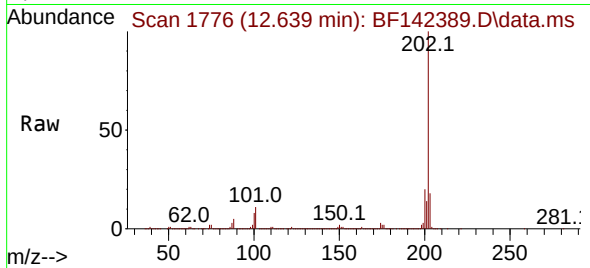




#75  
Fluoranthene  
Concen: 42.560 ng  
RT: 12.639 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

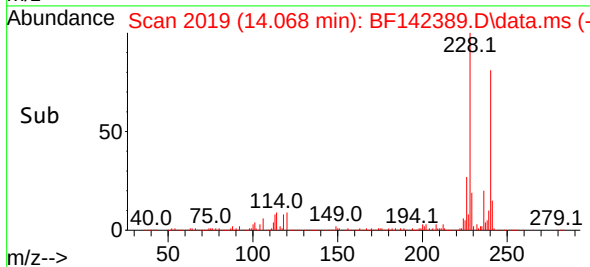
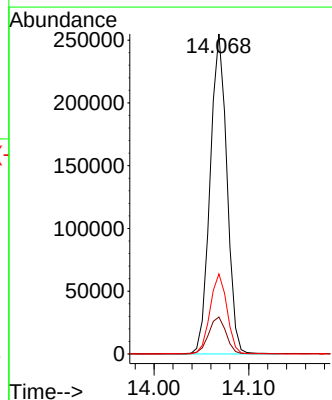
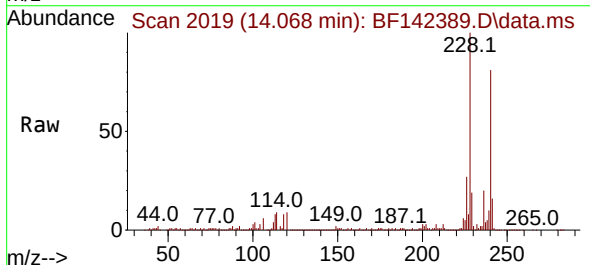
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

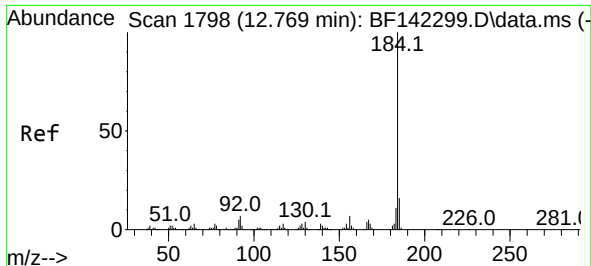
Tgt Ion:202 Resp: 1219362  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 31.4  
203 17.6 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.068 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:240 Resp: 314221  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.7 14.5  
236 25.0 20.0 30.0

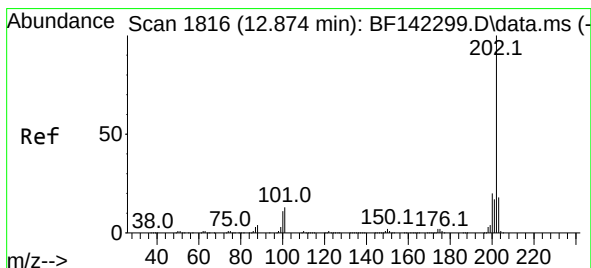
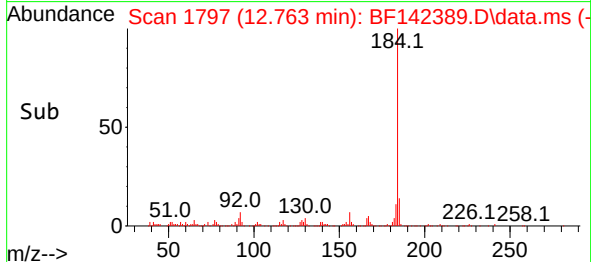
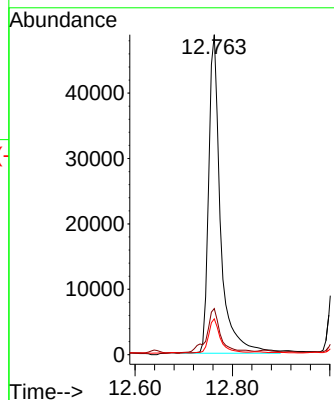
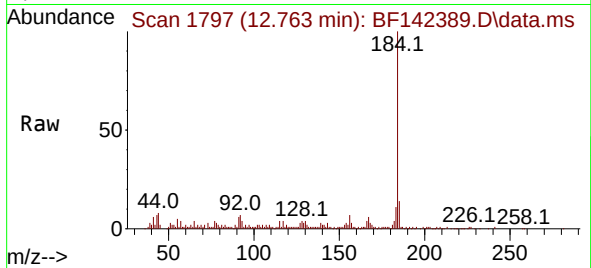




#77  
Benzidine  
Concen: 14.385 ng  
RT: 12.763 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

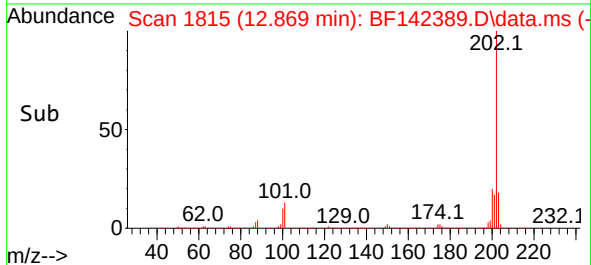
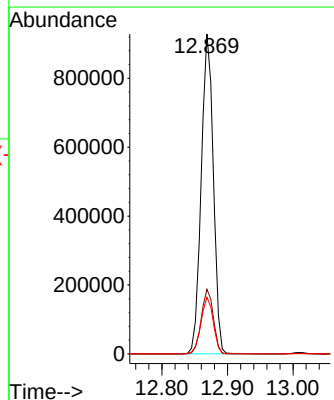
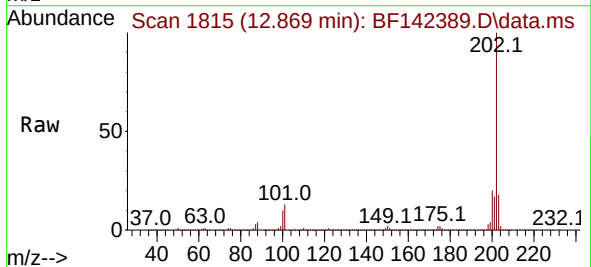
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

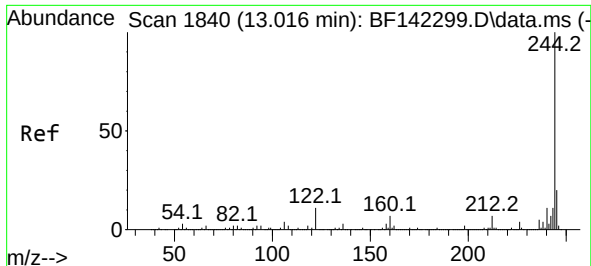
Tgt Ion:184 Resp: 82144  
Ion Ratio Lower Upper  
184 100  
185 14.4 12.6 18.8  
183 11.2 8.6 12.8



#78  
Pyrene  
Concen: 42.691 ng  
RT: 12.869 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:202 Resp: 1194024  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.2 24.4  
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 73.516 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

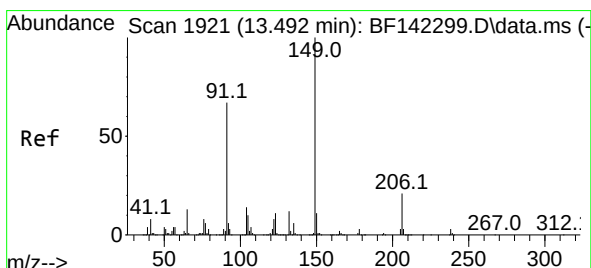
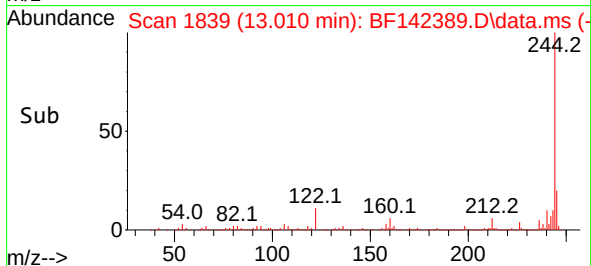
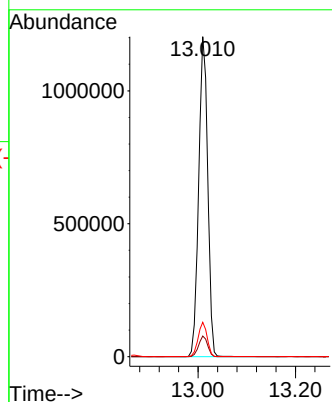
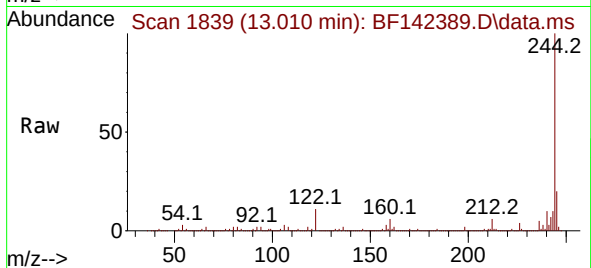
Tgt Ion:244 Resp: 1560715

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 10.7 9.0 13.4



#80

Butylbenzylphthalate

Concen: 58.801 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

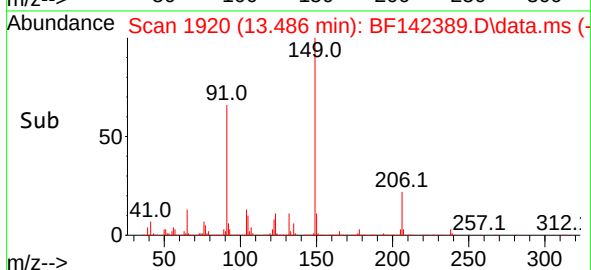
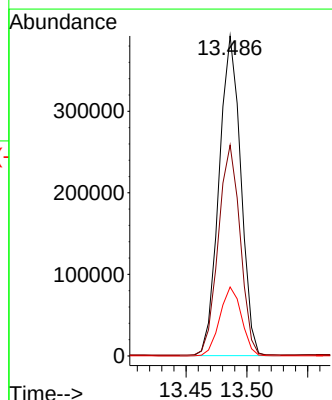
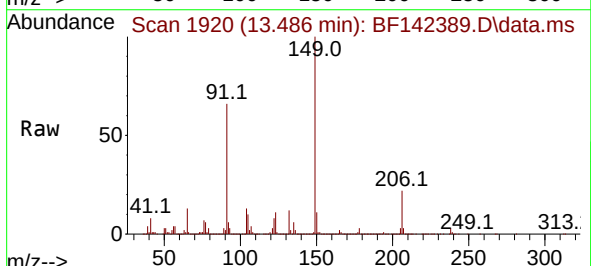
Tgt Ion:149 Resp: 487221

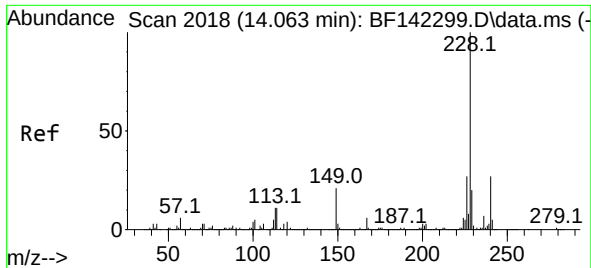
Ion Ratio Lower Upper

149 100

91 65.9 53.8 80.6

206 21.6 16.6 24.8

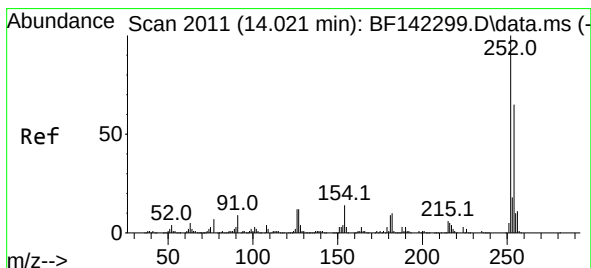
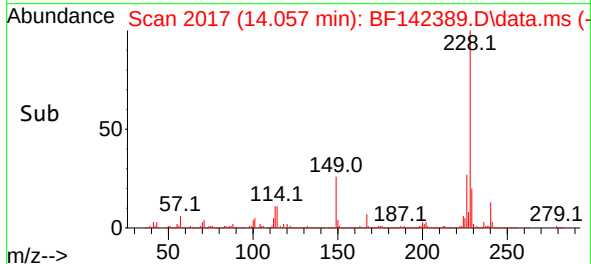
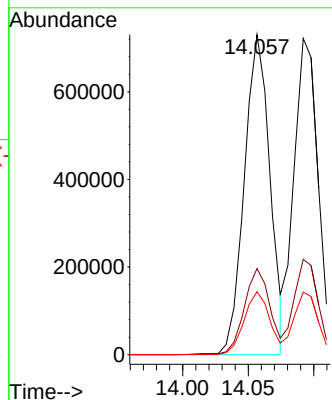
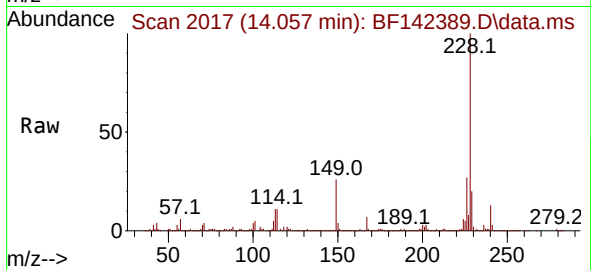




#81  
Benzo(a)anthracene  
Concen: 48.680 ng  
RT: 14.057 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

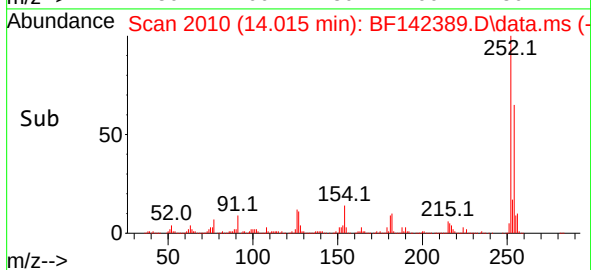
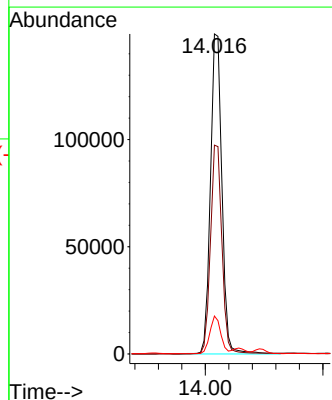
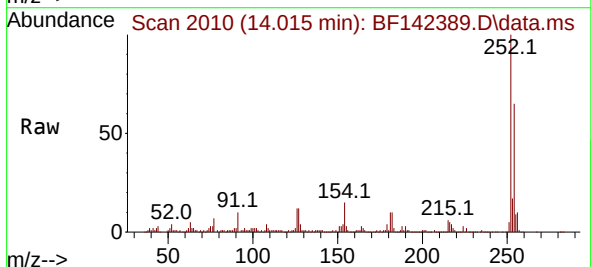
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

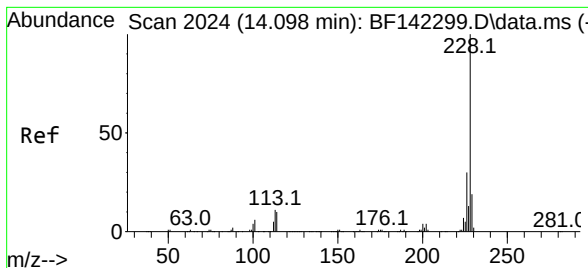
Tgt Ion:228 Resp: 990604  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.5 32.3  
229 19.7 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 42.804 ng  
RT: 14.015 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 202558  
Ion Ratio Lower Upper  
252 100  
254 65.2 52.0 78.0  
126 11.8 9.7 14.5





#83

Chrysene

Concen: 48.508 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

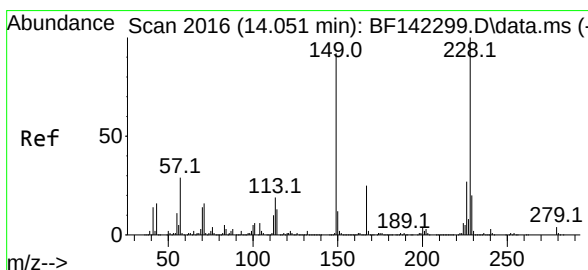
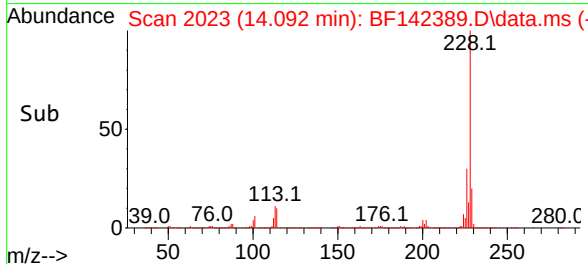
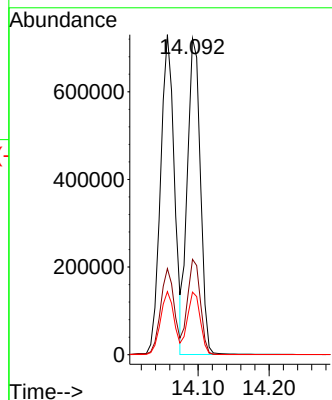
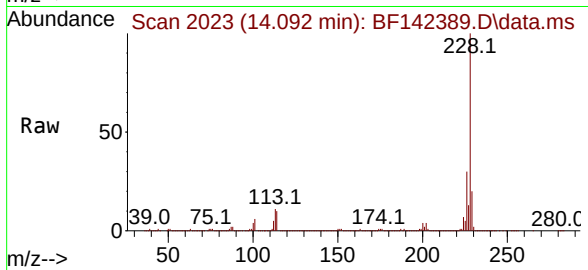
Tgt Ion:228 Resp: 918925

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

229 19.8 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.948 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

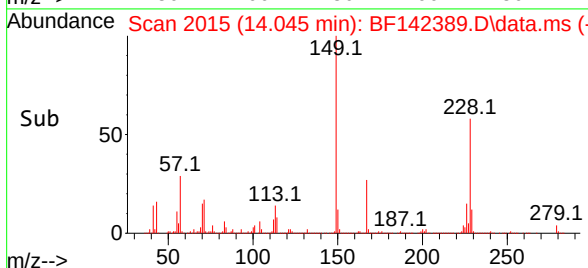
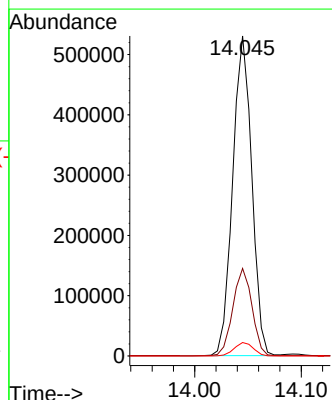
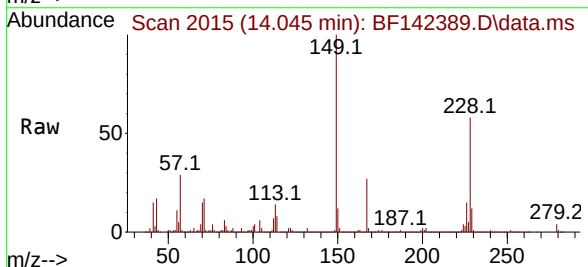
Tgt Ion:149 Resp: 661166

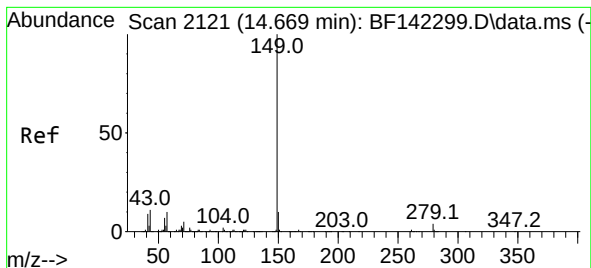
Ion Ratio Lower Upper

149 100

167 27.3 22.0 33.0

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 57.300 ng

RT: 14.663 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250508MSD

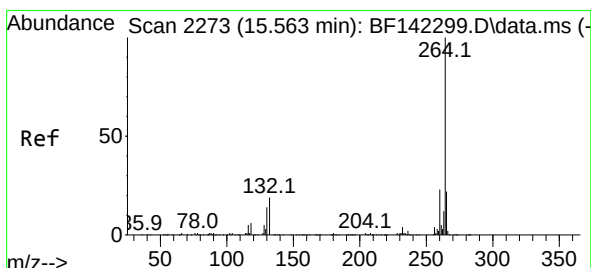
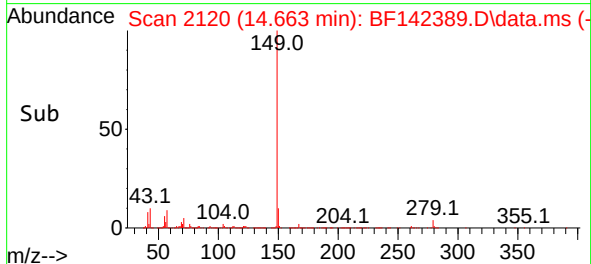
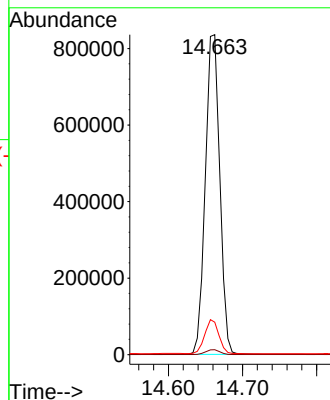
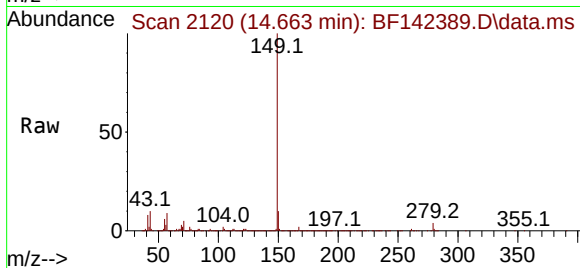
Tgt Ion:149 Resp: 1132929

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 10.3 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

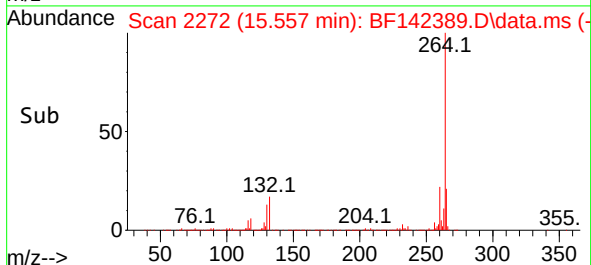
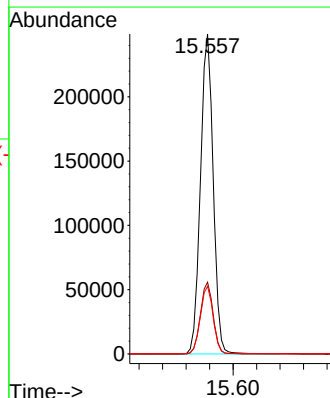
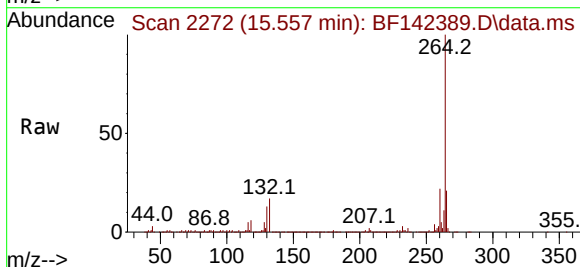
Tgt Ion:264 Resp: 374057

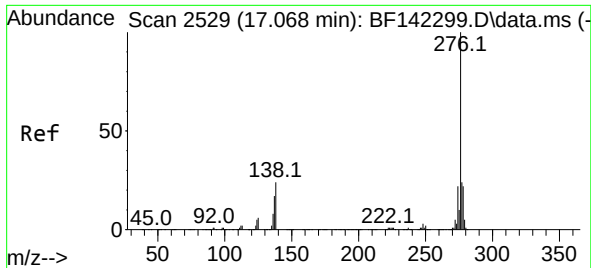
Ion Ratio Lower Upper

264 100

260 22.4 18.6 27.8

265 21.2 17.5 26.3

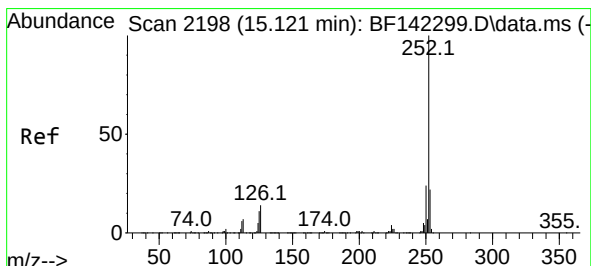
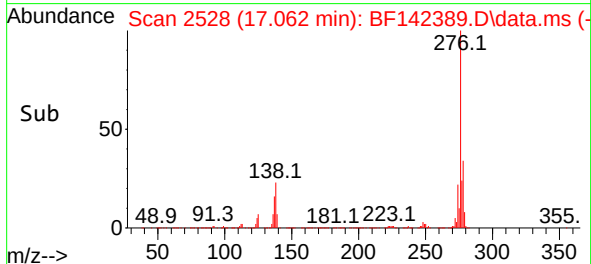
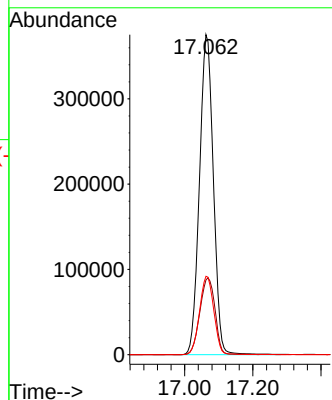
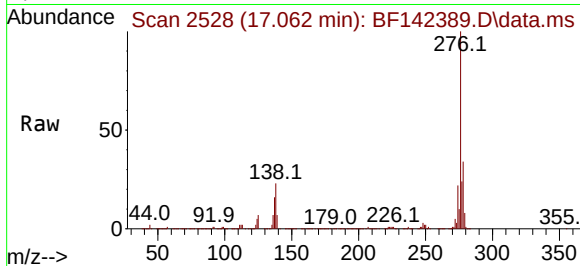




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.822 ng  
 RT: 17.062 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF142389.D  
 Acq: 15 May 2025 12:47

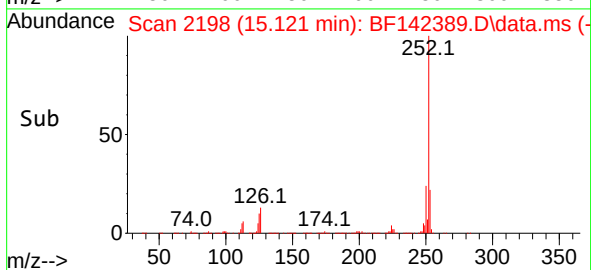
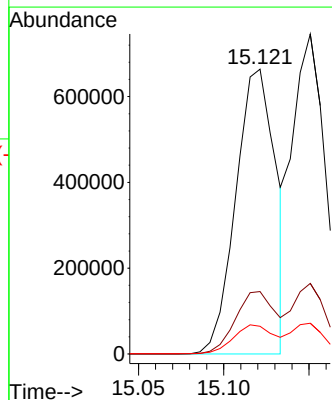
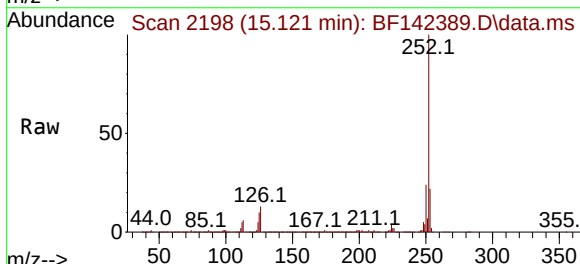
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3-20250508MSD

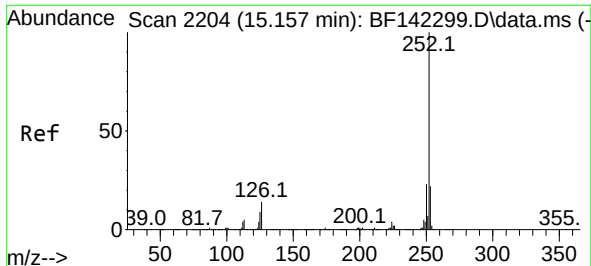
Tgt Ion:276 Resp: 1062226  
 Ion Ratio Lower Upper  
 276 100  
 138 26.1 22.0 33.0  
 277 25.2 20.1 30.1



#88  
 Benzo(b)fluoranthene  
 Concen: 47.563 ng  
 RT: 15.121 min Scan# 2198  
 Delta R.T. -0.000 min  
 Lab File: BF142389.D  
 Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 1077537  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.7 26.5  
 125 9.7 8.7 13.1

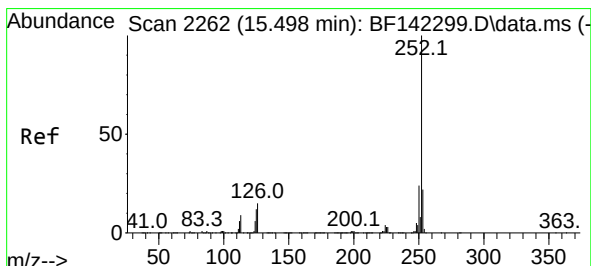
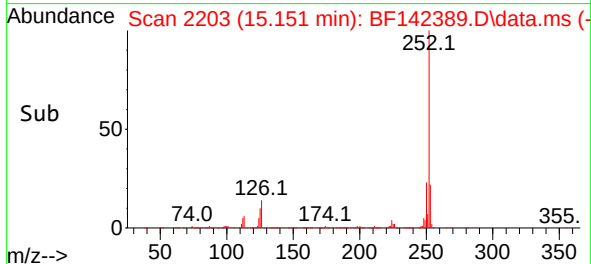
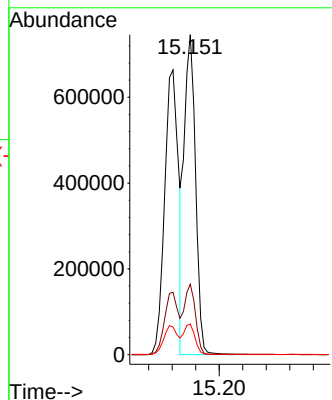
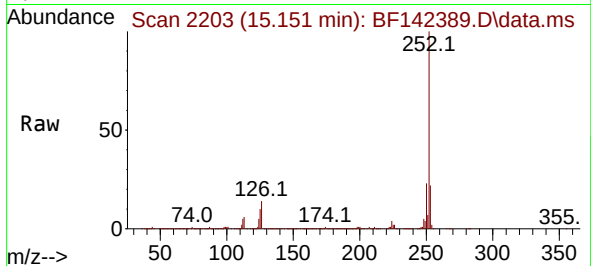




#89  
Benzo(k)fluoranthene  
Concen: 48.525 ng  
RT: 15.151 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

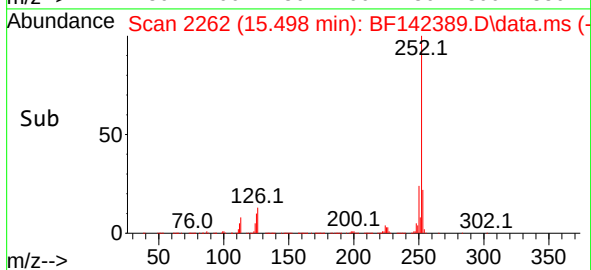
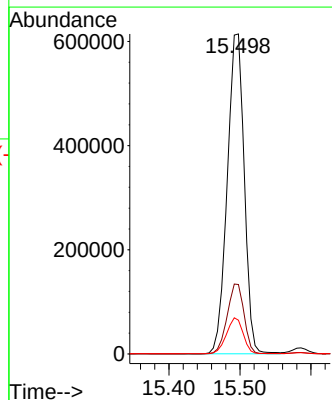
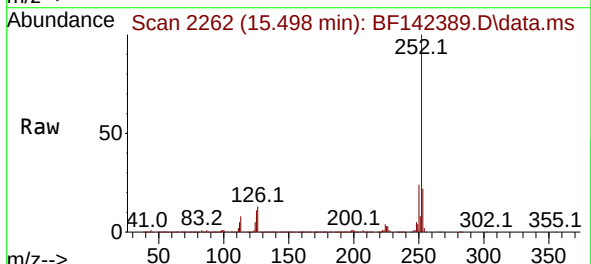
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion:252 Resp: 1006024  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 9.6 8.1 12.1

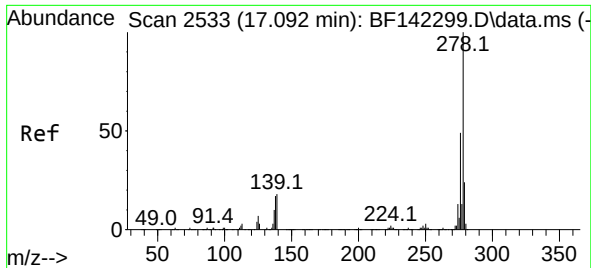


#90  
Benzo(a)pyrene  
Concen: 50.310 ng  
RT: 15.498 min Scan# 2262  
Delta R.T. -0.000 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 1021358  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.8 26.6  
125 10.6 9.4 14.0



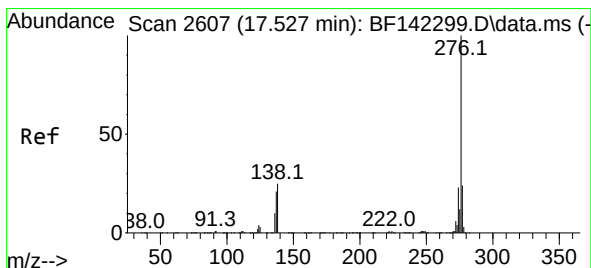
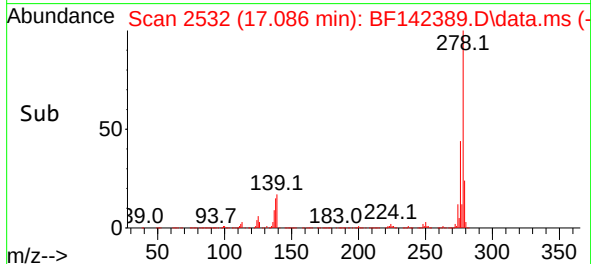
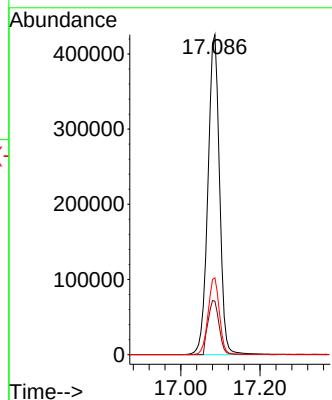
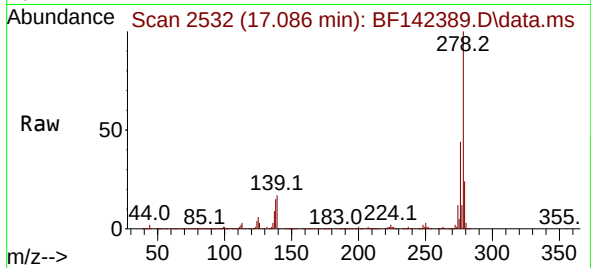




#91  
Dibenzo(a,h)anthracene  
Concen: 40.405 ng  
RT: 17.086 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250508MSD

Tgt Ion:278 Resp: 868581  
Ion Ratio Lower Upper  
278 100  
139 16.7 14.5 21.7  
279 24.0 18.9 28.3



#92  
Benzo(g,h,i)perylene  
Concen: 37.770 ng  
RT: 17.521 min Scan# 2606  
Delta R.T. -0.006 min  
Lab File: BF142389.D  
Acq: 15 May 2025 12:47

Tgt Ion:276 Resp: 805852  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.6  
138 21.9 19.8 29.6

