

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102924\  
 Data File : BF140102.D  
 Acq On : 29 Oct 2024 10:33  
 Operator : RC/JU  
 Sample : PB164461BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164461BS

Quant Time: Oct 29 11:35:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 127430   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 500801   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 278385   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 513541   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 266065   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 256361   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 993671   | 122.073 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1259140  | 119.434 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 832307   | 92.111  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 375298   | 144.128 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1475257  | 87.582  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1640280  | 100.457 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.769  | 88   | 129062   | 34.006  | ng    | 97       |
| 3) Pyridine                   | 3.528  | 79   | 345549   | 36.732  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.475  | 42   | 200636   | 39.696  | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 373487   | 38.012  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.675  | 128  | 380367   | 45.709  | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 75532    | 12.736  | ng    | 97       |
| 10) Phenol                    | 6.528  | 94   | 497176   | 45.743  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 374078   | 44.529  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 411835   | 43.113  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 412401   | 43.213  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 399868   | 44.894  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 357866   | 46.276  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 631415   | 44.079  | ng    | 98       |
| 17) 2-Methylphenol            | 7.140  | 107  | 318963   | 44.951  | ng    | 98       |
| 18) Hexachloroethane          | 7.404  | 117  | 150509   | 44.226  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 279877   | 43.772  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.293  | 107  | 390148   | 42.987  | ng    | # 76     |
| 22) Acetophenone              | 7.298  | 105  | 528314   | 43.071  | ng    | 99       |
| 24) Nitrobenzene              | 7.469  | 77   | 428354   | 43.238  | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 767951   | 44.778  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 200360   | 53.609  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 321436   | 51.579  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 456565   | 43.940  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 320640   | 45.171  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 333493   | 42.459  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1112457  | 43.071  | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 240344   | 44.218  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 146520   | 16.637  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 217159   | 44.004  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 68846    | 30.503  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 360311   | 45.842  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 710773   | 44.934  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 654008   | 42.141  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 336224   | 44.768  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 437928   | 167.579 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 248514   | 46.737  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102924\  
 Data File : BF140102.D  
 Acq On : 29 Oct 2024 10:33  
 Operator : RC/JU  
 Sample : PB164461BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

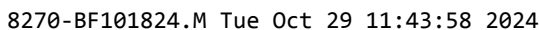
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164461BS

Quant Time: Oct 29 11:35:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 253928   | 46.287  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 857279   | 44.236  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 685431   | 43.914  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.469  | 65   | 242126   | 50.720  | ng    | 94       |
| 49) Acenaphthylene            | 9.792  | 152  | 1071550  | 47.486  | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 796125   | 45.913  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 177248   | 47.210  | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 750474   | 51.411  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 112113   | 28.957  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 205710   | 127.641 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 949974   | 45.358  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.034 | 139  | 297830   | 99.985  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 245903   | 53.260  | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 725048   | 45.452  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 214271   | 49.823  | ng    | 98       |
| 60) Diethylphthalate          | 10.351 | 149  | 779453   | 45.782  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 371429   | 46.107  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 183008   | 50.047  | ng    | 98       |
| 63) Azobenzene                | 10.628 | 77   | 805434   | 44.623  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 141178   | 67.397  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 677802   | 44.099  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 235997   | 44.608  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 264678   | 44.484  | ng    | 100      |
| 69) Atrazine                  | 11.110 | 200  | 227268   | 54.585  | ng    | 98       |
| 70) Pentachlorophenol         | 11.216 | 266  | 333392   | 92.325  | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1081706  | 44.593  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1118559  | 47.261  | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 980816   | 44.559  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1192125  | 46.878  | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 1132991  | 46.202  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 179073   | 40.931  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1137589  | 48.846  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 402746   | 57.681  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 841427   | 48.581  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 157179   | 31.125  | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 734528   | 46.254  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 461897   | 58.963  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 650652   | 45.664  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 815498   | 49.447  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 697670   | 44.675  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 656050   | 48.712  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 648512   | 50.469  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 662425   | 48.147  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 627022   | 45.626  | ng    | 99       |

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

Quant Time: Oct 29 11:35:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

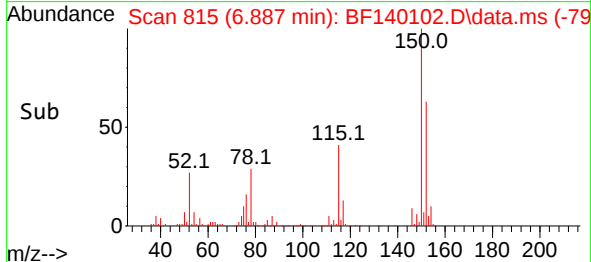
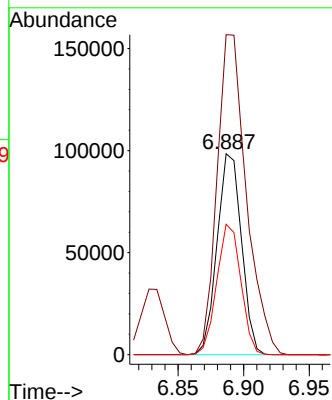
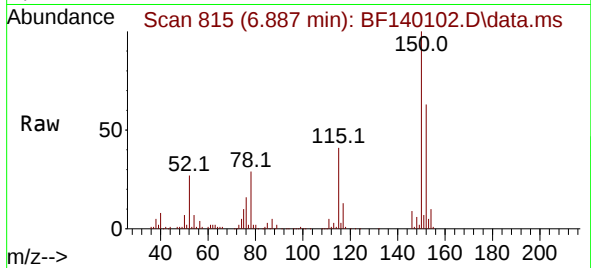




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

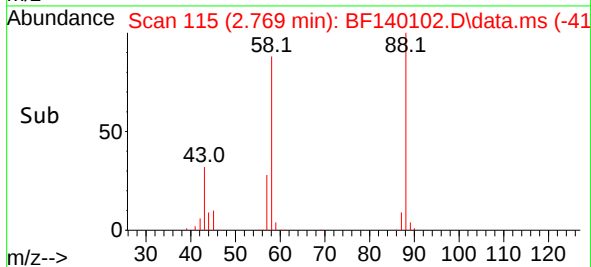
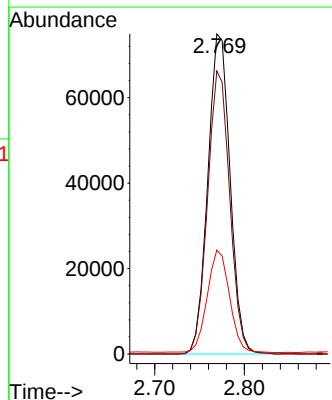
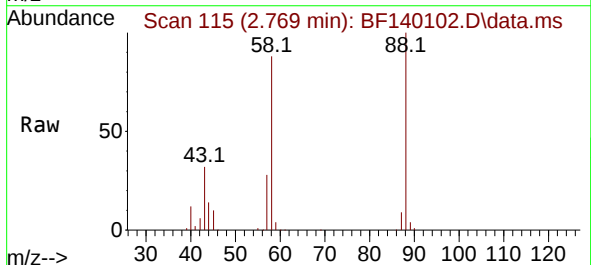
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

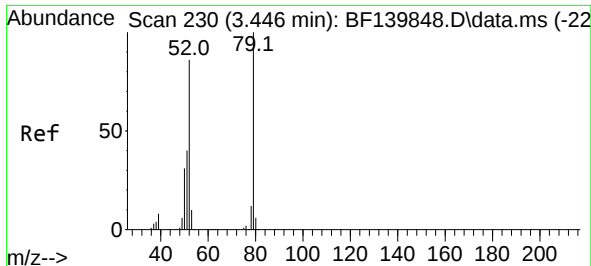
Tgt Ion:152 Resp: 127430  
Ion Ratio Lower Upper  
152 100  
150 159.2 130.2 195.2  
115 64.9 51.4 77.2



#2  
1,4-Dioxane  
Concen: 34.006 ng  
RT: 2.769 min Scan# 115  
Delta R.T. 0.083 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion: 88 Resp: 129062  
Ion Ratio Lower Upper  
88 100  
58 88.2 73.3 109.9  
43 32.1 27.1 40.7





#3

Pyridine

Concen: 36.732 ng

RT: 3.528 min Scan# 24

Delta R.T. 0.083 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

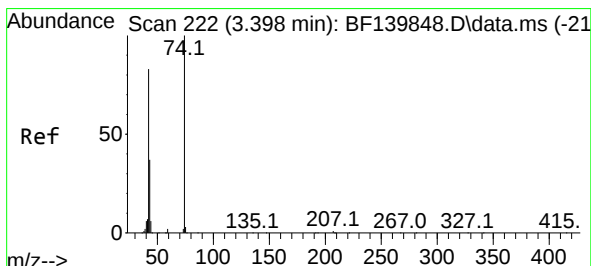
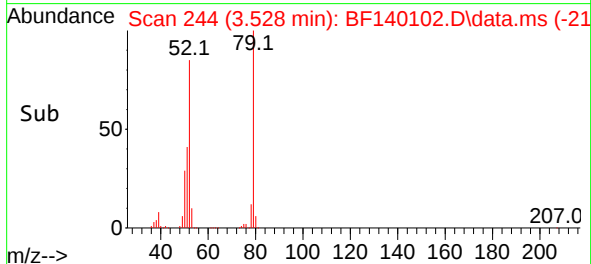
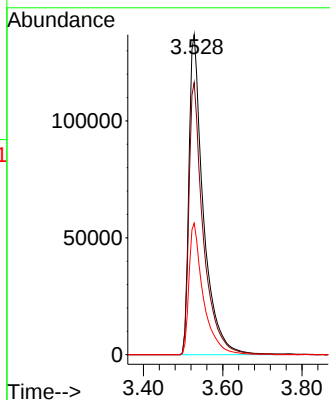
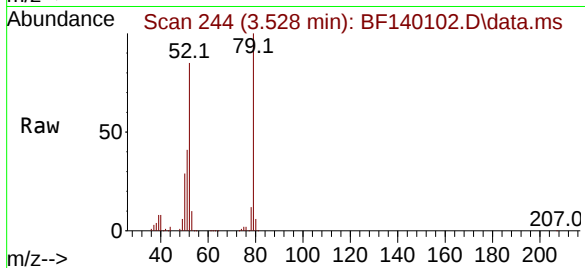
Tgt Ion: 79 Resp: 345549

Ion Ratio Lower Upper

79 100

52 85.0 68.5 102.7

51 41.1 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 39.696 ng

RT: 3.475 min Scan# 235

Delta R.T. 0.077 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

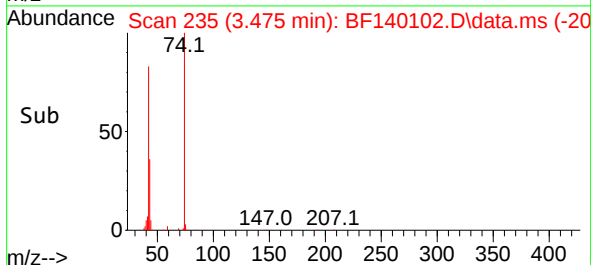
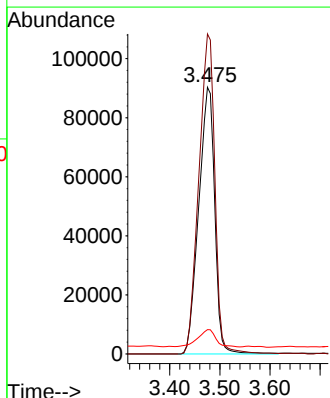
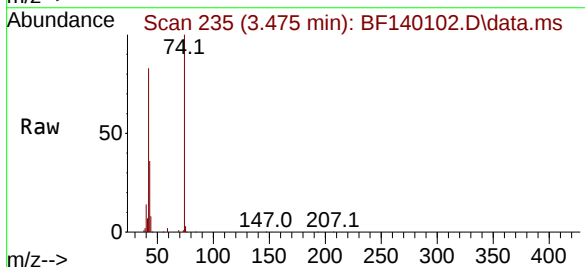
Tgt Ion: 42 Resp: 200636

Ion Ratio Lower Upper

42 100

74 119.9 96.2 144.4

44 9.1 6.2 9.2

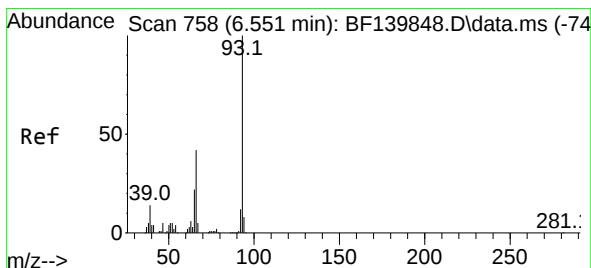
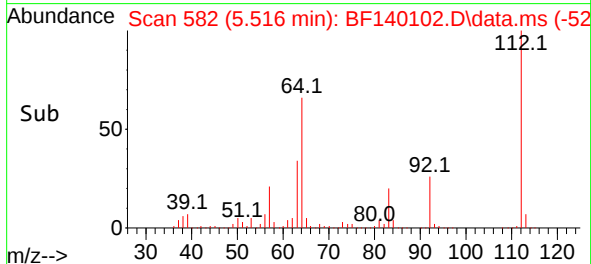
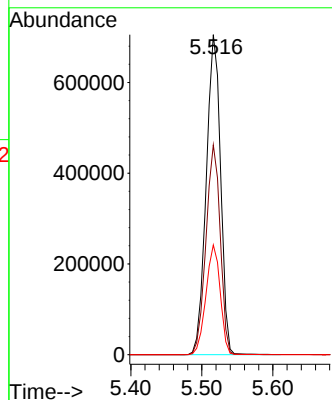
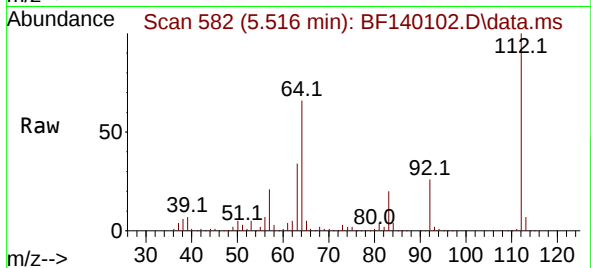




#5  
2-Fluorophenol  
Concen: 122.073 ng  
RT: 5.516 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

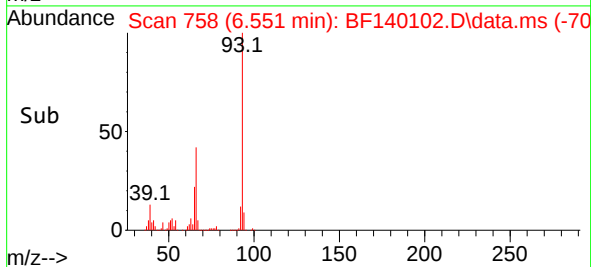
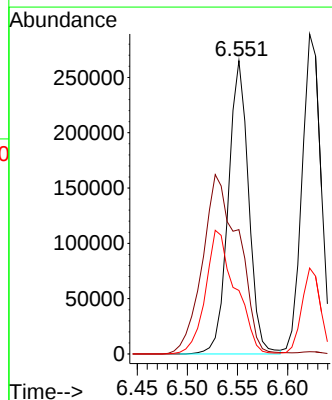
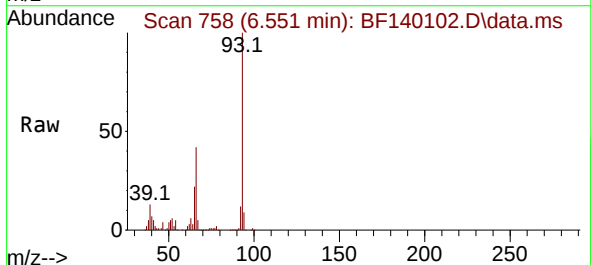
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:112 Resp: 993671  
Ion Ratio Lower Upper  
112 100  
64 65.5 53.0 79.6  
63 34.3 27.0 40.4



#6  
Aniline  
Concen: 38.012 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion: 93 Resp: 373487  
Ion Ratio Lower Upper  
93 100  
66 42.4 34.0 51.0  
65 21.7 17.4 26.0

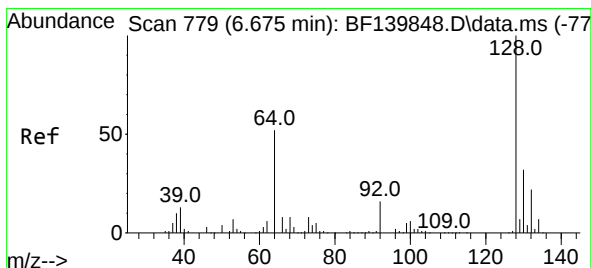
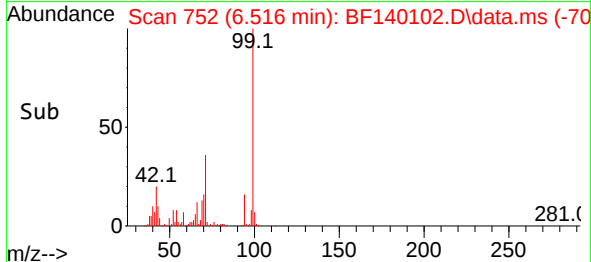
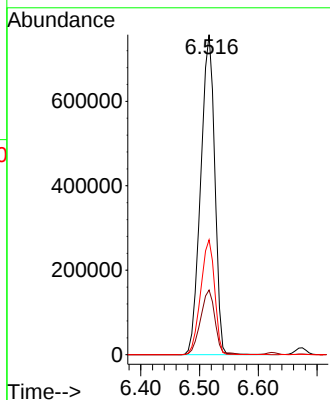
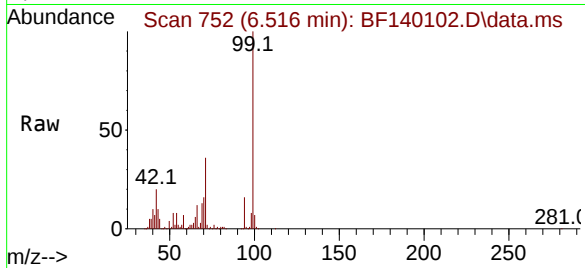




#7  
Phenol-d6  
Concen: 119.434 ng  
RT: 6.516 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

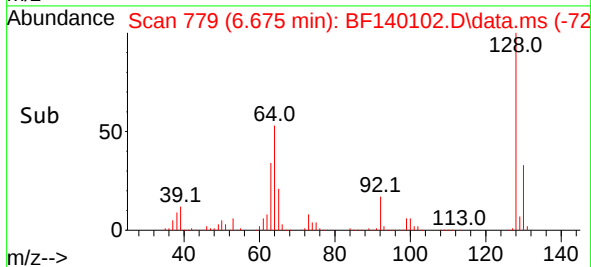
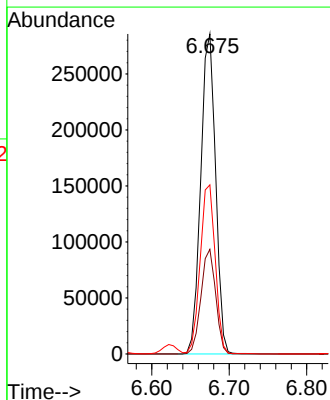
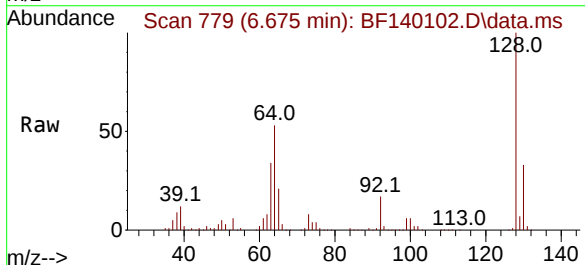
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion: 99 Resp: 1259140  
Ion Ratio Lower Upper  
99 100  
42 20.2 16.7 25.1  
71 35.9 27.7 41.5



#8  
2-Chlorophenol  
Concen: 45.709 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion: 128 Resp: 380367  
Ion Ratio Lower Upper  
128 100  
130 32.7 12.3 52.3  
64 52.9 34.6 74.6

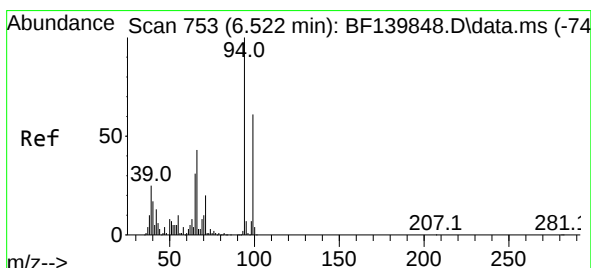
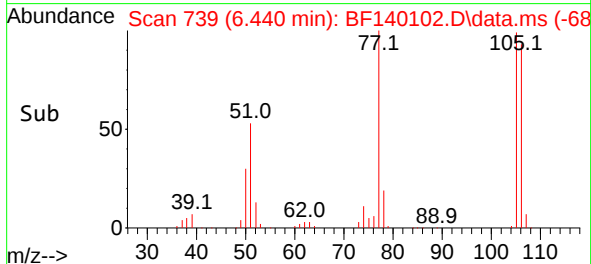
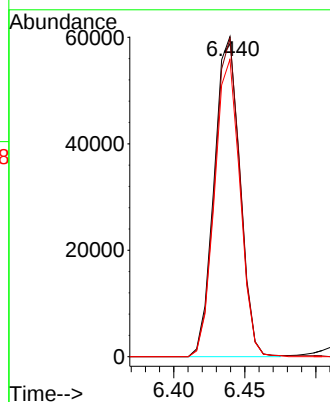
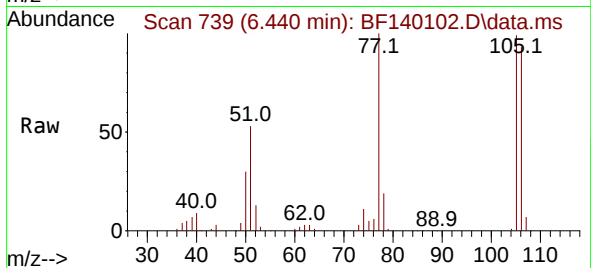




#9  
Benzaldehyde  
Concen: 12.736 ng  
RT: 6.440 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

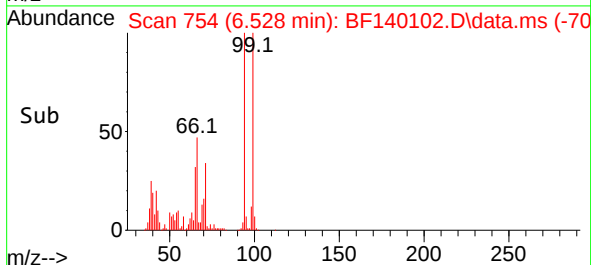
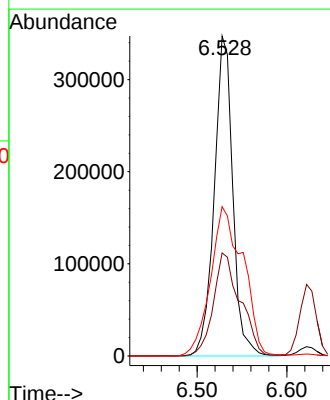
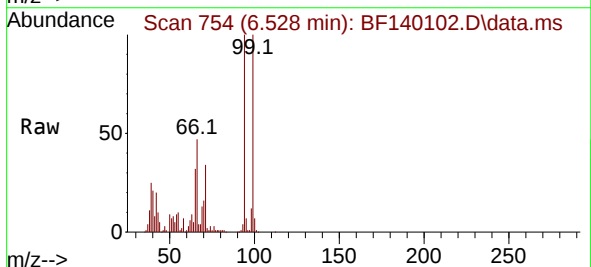
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 75532 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 99.4  | 75.5  | 115.5 |
| 106      | 92.9  | 71.7  | 111.7 |



#10  
Phenol  
Concen: 45.743 ng  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 497176 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 32.2  | 11.1  | 51.1   |
| 66       | 46.7  | 22.7  | 62.7   |

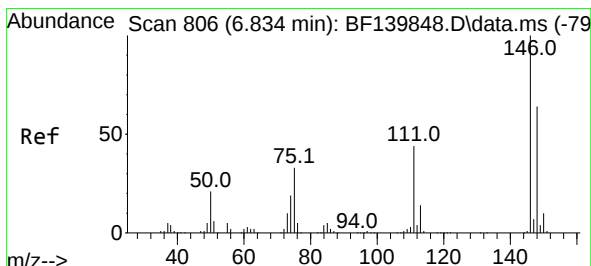
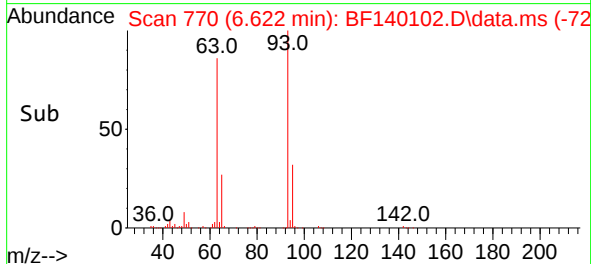
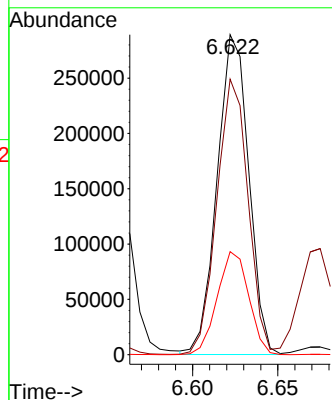
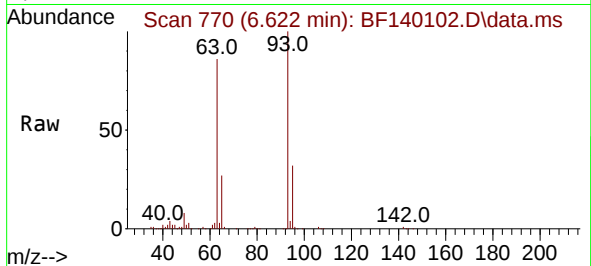




#11  
bis(2-Chloroethyl)ether  
Concen: 44.529 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

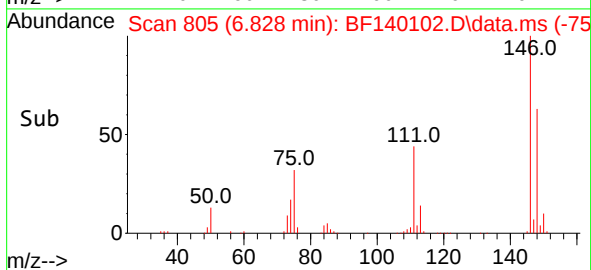
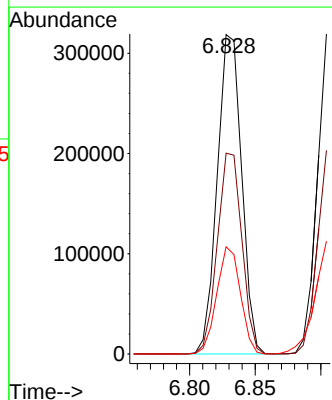
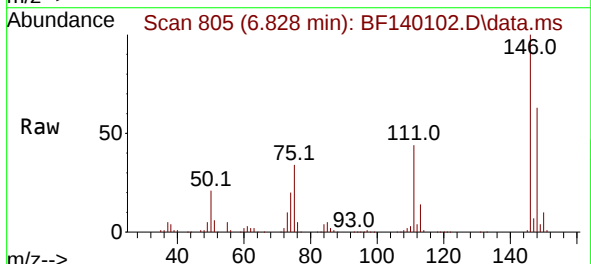
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion: 93 Resp: 374078  
Ion Ratio Lower Upper  
93 100  
63 86.1 65.0 105.0  
95 32.2 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 43.113 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:146 Resp: 411835  
Ion Ratio Lower Upper  
146 100  
148 62.9 51.0 76.4  
75 33.6 26.4 39.6

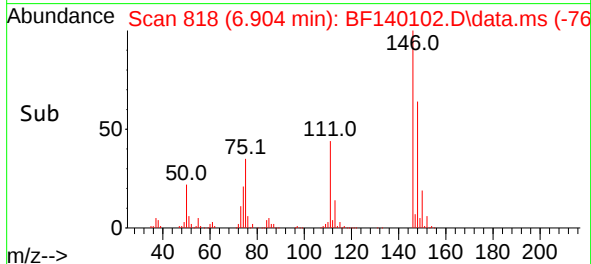
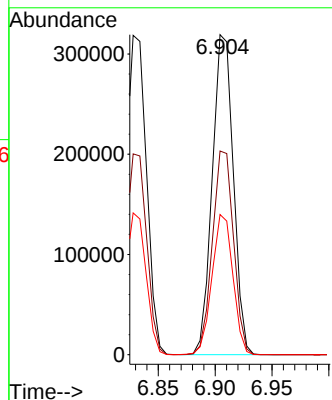
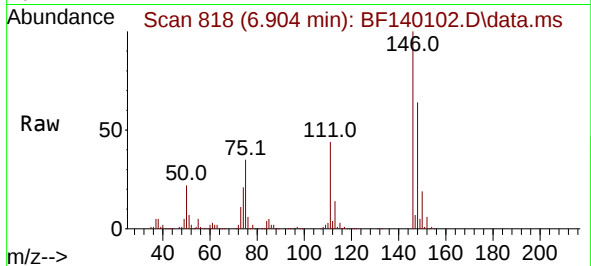




#13  
 1,4-Dichlorobenzene  
 Concen: 43.213 ng  
 RT: 6.904 min Scan# 819  
 Delta R.T. -0.006 min  
 Lab File: BF140102.D  
 Acq: 29 Oct 2024 10:33

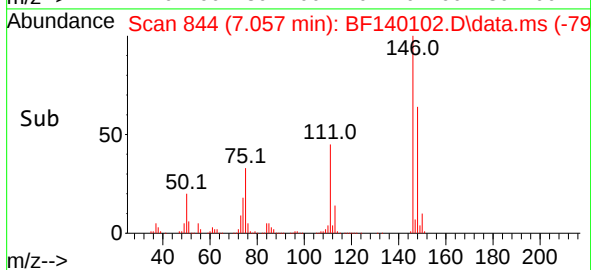
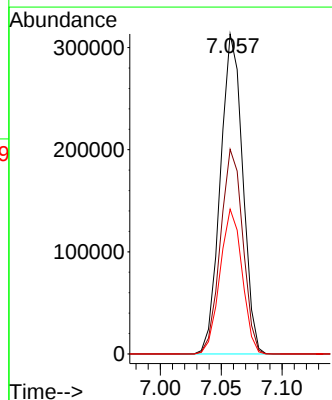
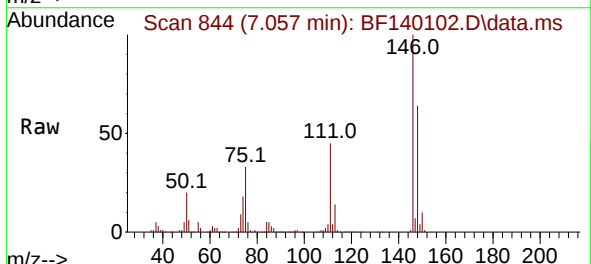
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164461BS

Tgt Ion:146 Resp: 412401  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 51.8 77.8  
 111 43.8 34.6 51.8



#14  
 1,2-Dichlorobenzene  
 Concen: 44.894 ng  
 RT: 7.057 min Scan# 844  
 Delta R.T. -0.006 min  
 Lab File: BF140102.D  
 Acq: 29 Oct 2024 10:33

Tgt Ion:146 Resp: 399868  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 51.4 77.2  
 111 45.3 36.7 55.1

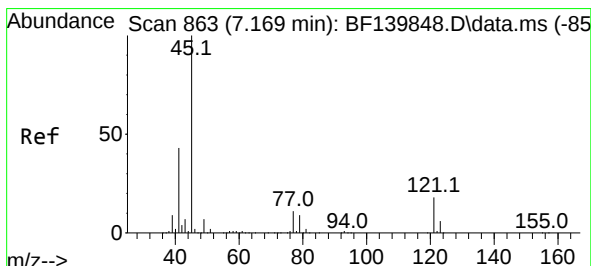
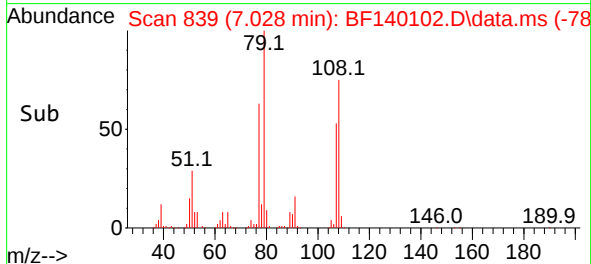
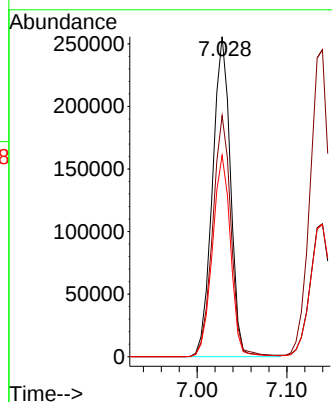
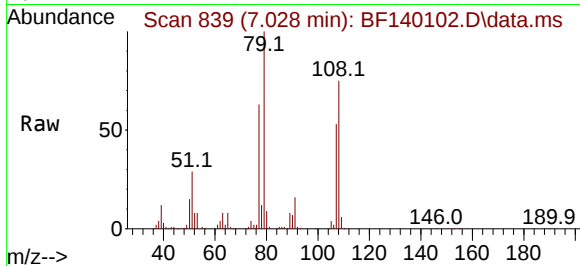




#15  
Benzyl Alcohol  
Concen: 46.276 ng  
RT: 7.028 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

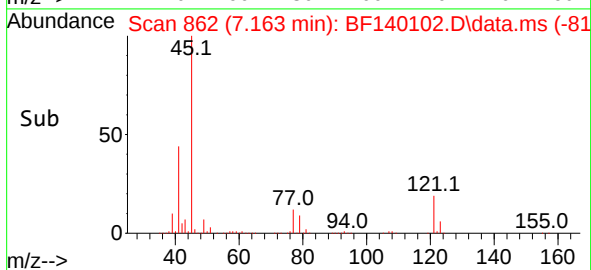
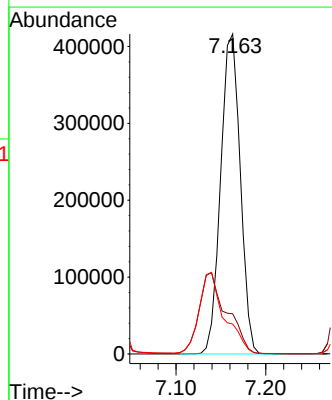
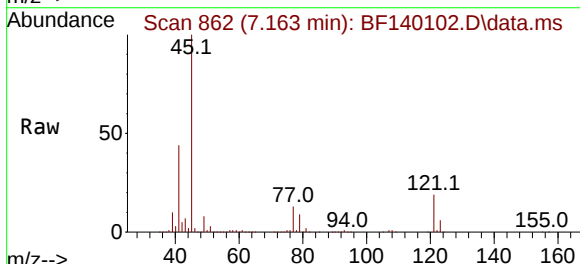
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion: 79 Resp: 357866  
Ion Ratio Lower Upper  
79 100  
108 75.4 61.4 92.0  
77 62.9 49.9 74.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.079 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion: 45 Resp: 631415  
Ion Ratio Lower Upper  
45 100  
77 12.5 0.0 31.5  
79 9.4 0.0 29.1

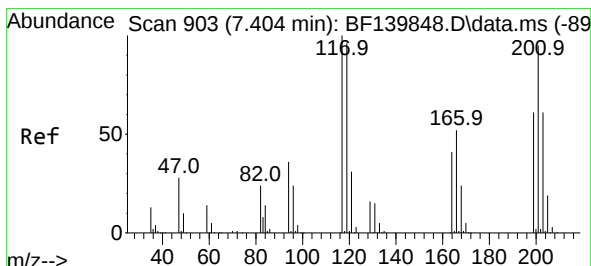
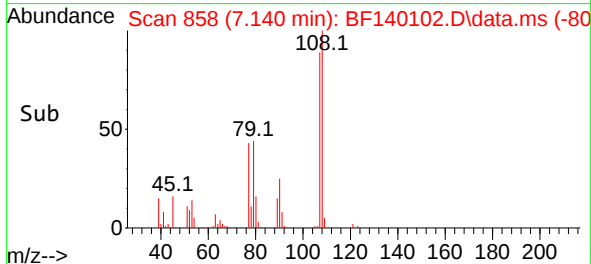
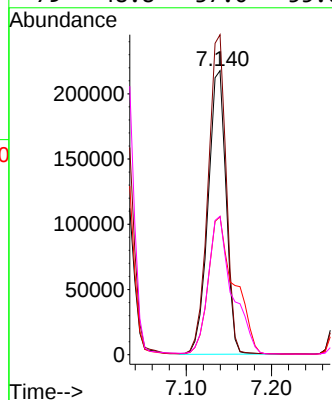
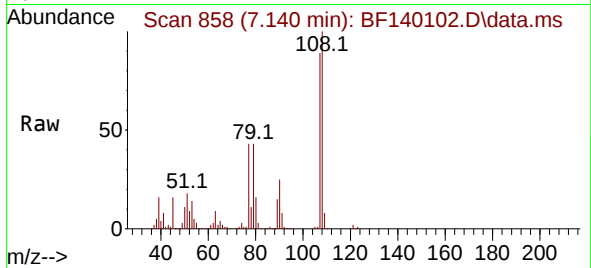




#17  
2-Methylphenol  
Concen: 44.951 ng  
RT: 7.140 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

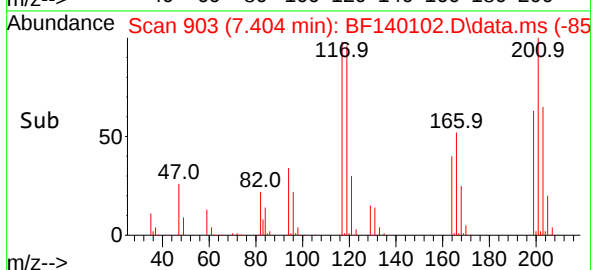
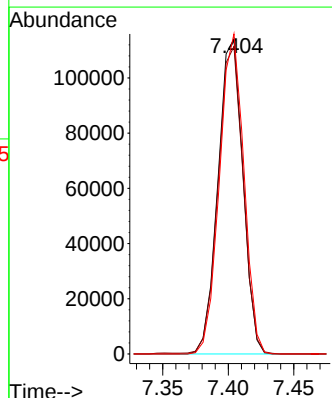
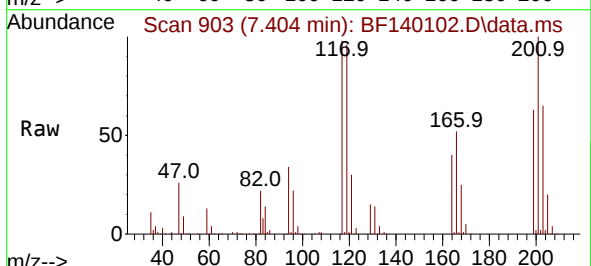
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

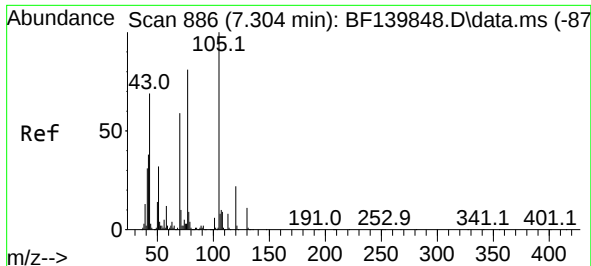
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 318963 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.7 | 91.3  | 136.9  |
| 77       | 48.7  | 37.1  | 55.7   |
| 79       | 48.8  | 37.0  | 55.6   |



#18  
Hexachloroethane  
Concen: 44.226 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 150509 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.6  | 77.0  | 115.4  |
| 201      | 101.6 | 76.2  | 114.4  |



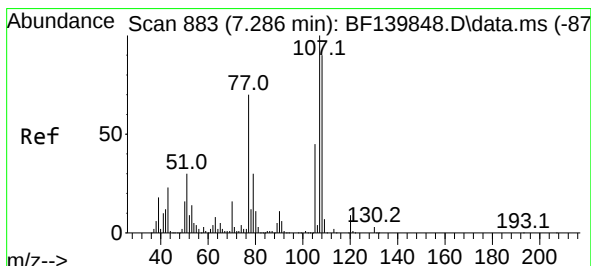
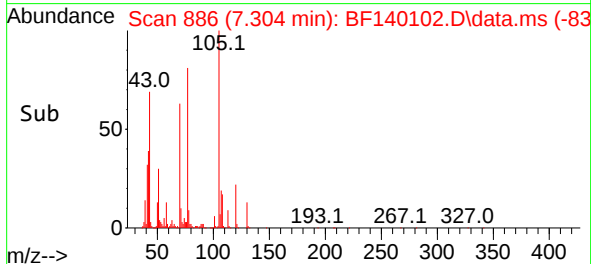
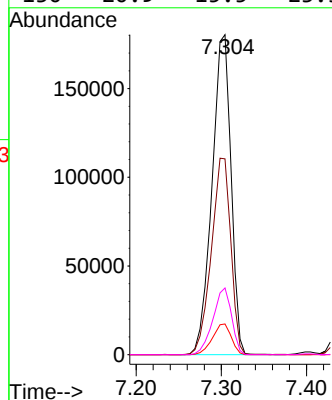
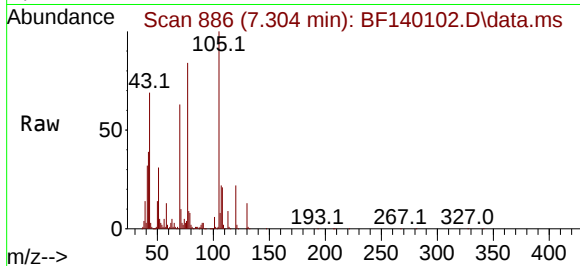


#19  
n-Nitroso-di-n-propylamine  
Concen: 43.772 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion: 70 Resp: 279877

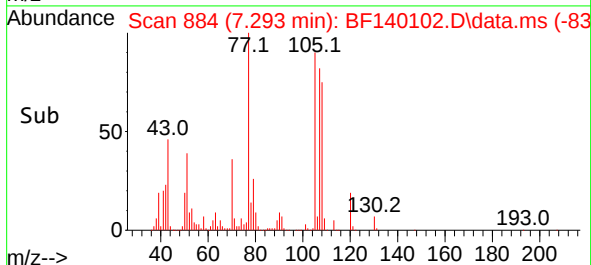
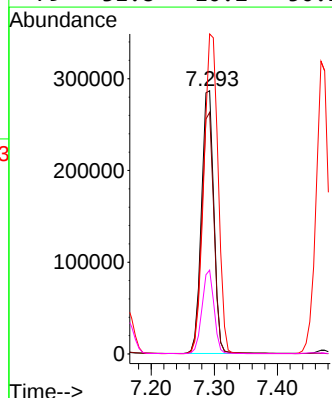
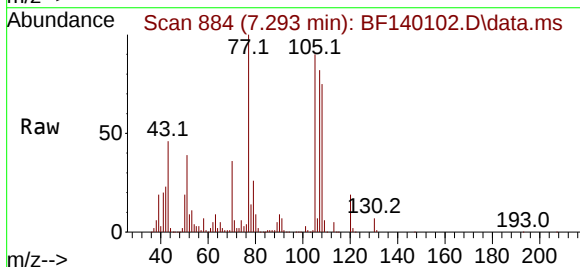
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 61.2  | 51.5  | 77.3  |
| 101 | 9.6   | 7.5   | 11.3  |
| 130 | 20.9  | 15.5  | 23.3  |



#20  
3+4-Methylphenols  
Concen: 42.987 ng  
RT: 7.293 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion: 107 Resp: 390148

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 91.7  | 69.8  | 109.8 |
| 77  | 121.5 | 50.5  | 90.5# |
| 79  | 31.8  | 10.2  | 50.2  |



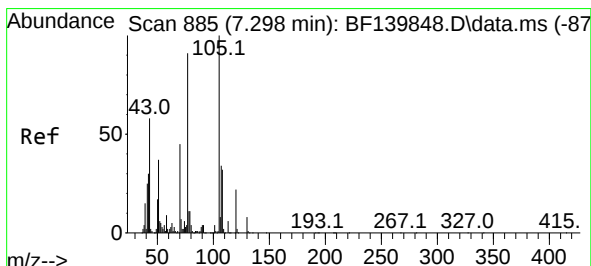
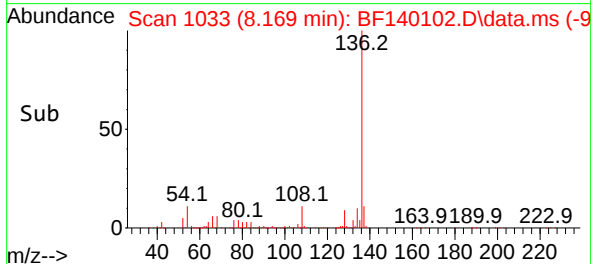
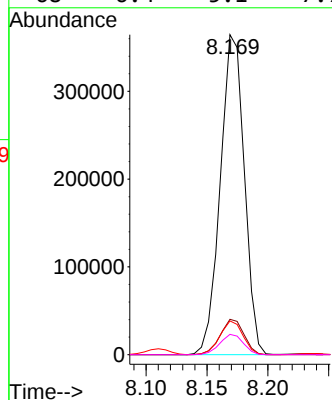
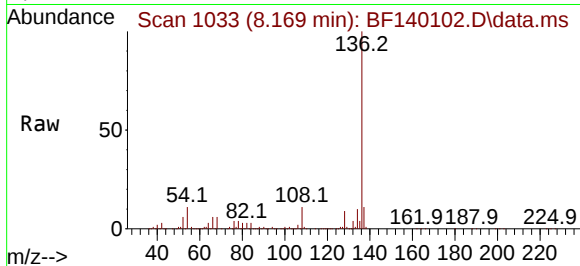


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:136 Resp: 500801

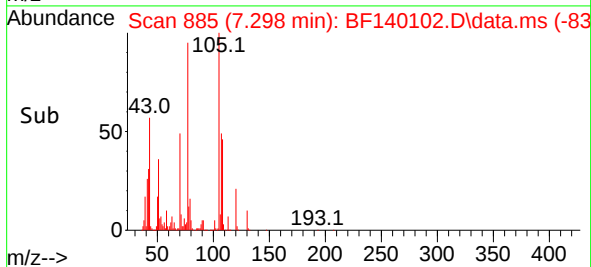
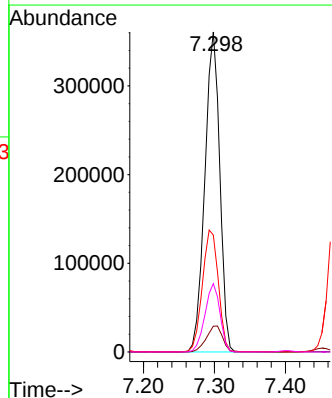
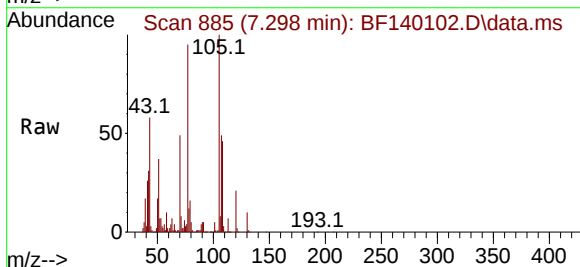
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.6   | 12.8  |
| 54  | 10.5  | 8.4   | 12.6  |
| 68  | 6.4   | 5.1   | 7.7   |

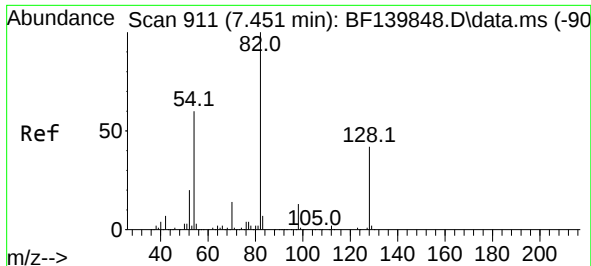


#22  
Acetophenone  
Concen: 43.071 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:105 Resp: 528314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.1   | 5.9   | 8.9   |
| 51  | 36.5  | 29.4  | 44.2  |
| 120 | 21.3  | 17.5  | 26.3  |





#23

Nitrobenzene-d5

Concen: 92.111 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

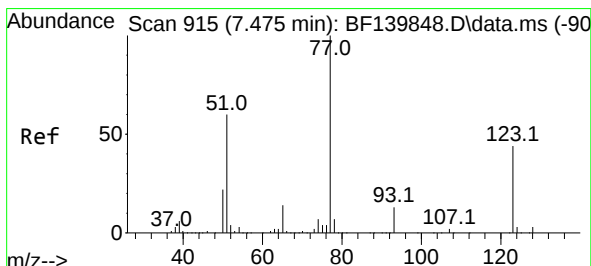
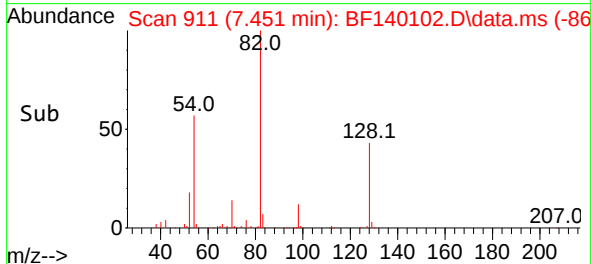
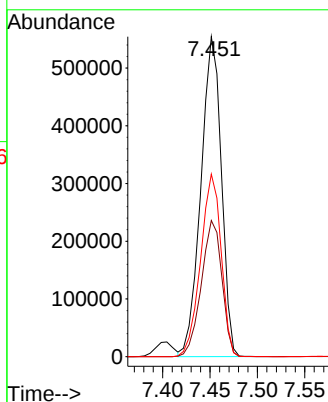
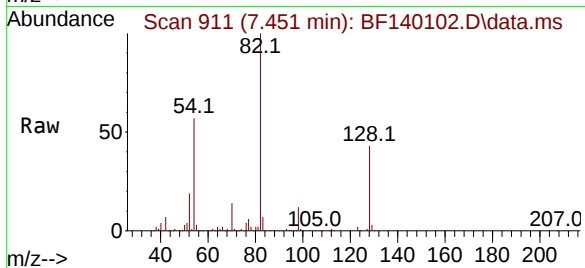
Tgt Ion: 82 Resp: 832307

Ion Ratio Lower Upper

82 100

128 42.6 33.4 50.0

54 57.0 47.8 71.8



#24

Nitrobenzene

Concen: 43.238 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

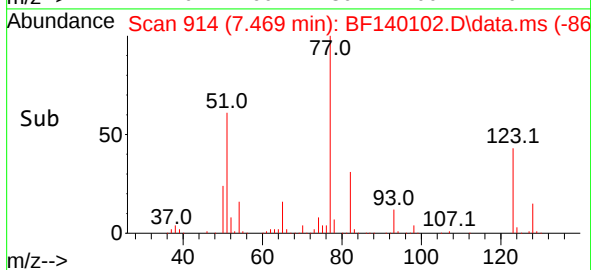
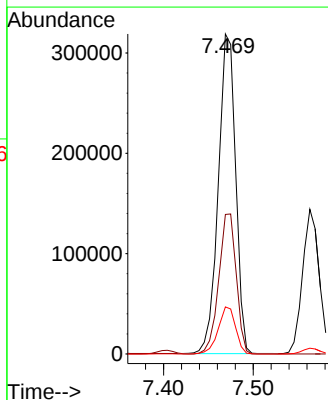
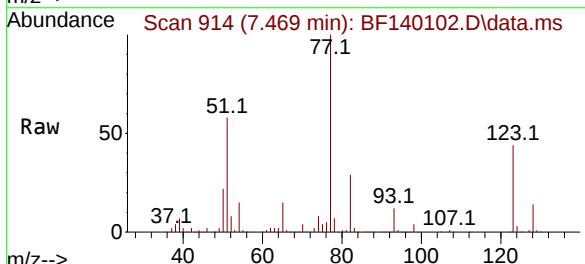
Tgt Ion: 77 Resp: 428354

Ion Ratio Lower Upper

77 100

123 43.6 35.7 53.5

65 14.7 11.5 17.3

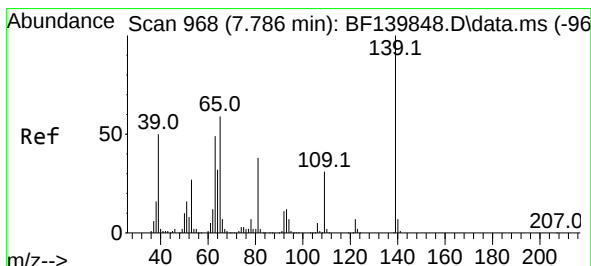
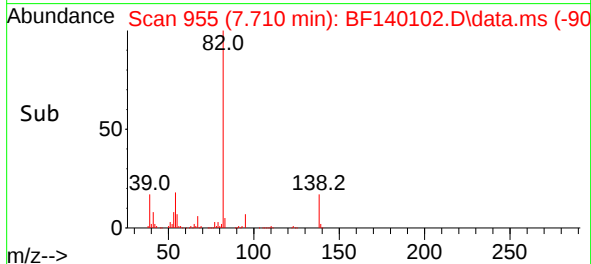
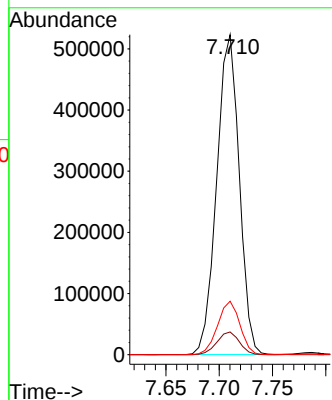
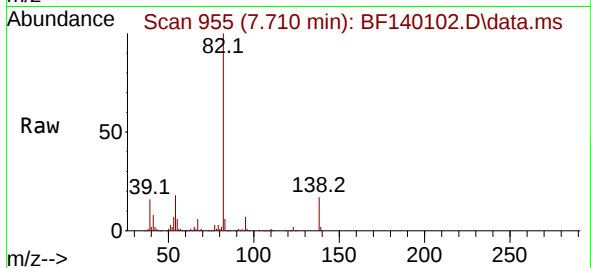




#25  
Isophorone  
Concen: 44.778 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

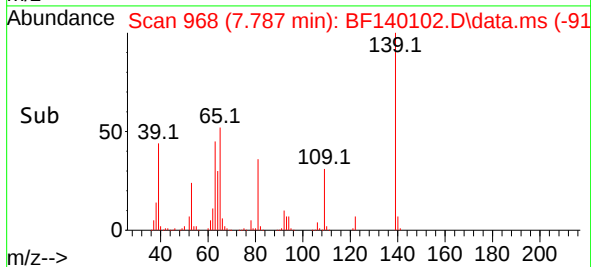
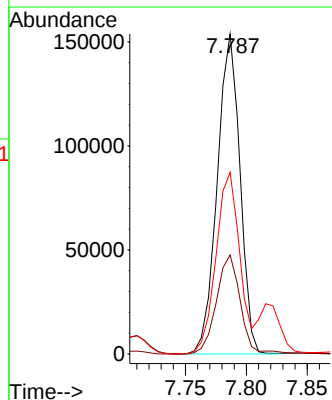
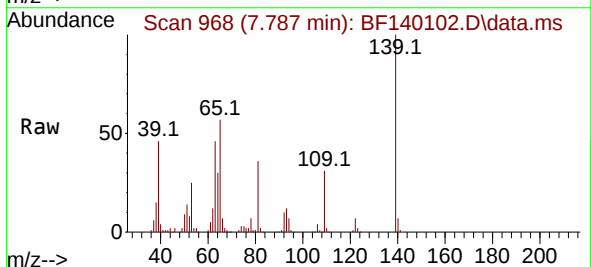
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion: 82 Resp: 767951  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 16.7 13.2 19.8



#26  
2-Nitrophenol  
Concen: 53.609 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:139 Resp: 200360  
Ion Ratio Lower Upper  
139 100  
109 30.9 25.1 37.7  
65 56.8 47.5 71.3

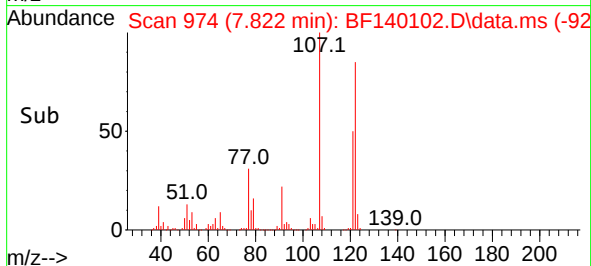
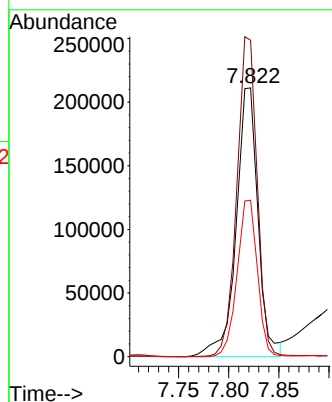
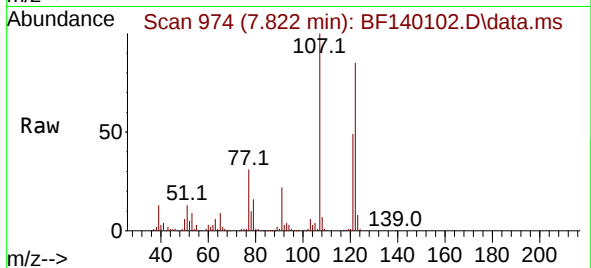




#27  
2,4-Dimethylphenol  
Concen: 51.579 ng  
RT: 7.822 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

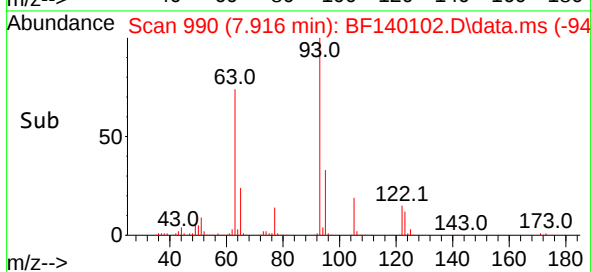
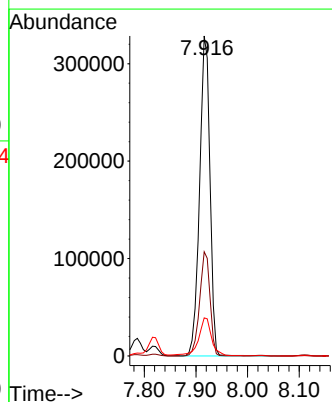
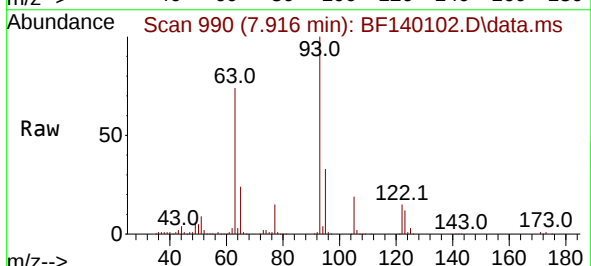
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:122 Resp: 321436  
Ion Ratio Lower Upper  
122 100  
107 117.7 91.9 137.9  
121 58.2 46.2 69.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.940 ng  
RT: 7.916 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion: 93 Resp: 456565  
Ion Ratio Lower Upper  
93 100  
95 32.5 26.0 39.0  
123 11.9 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 45.171 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

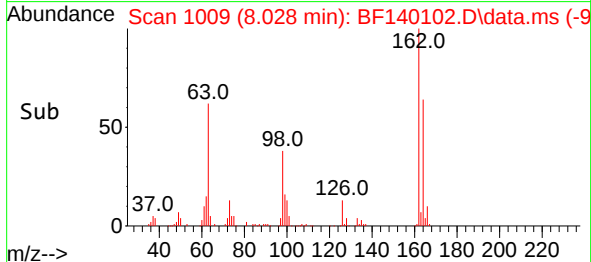
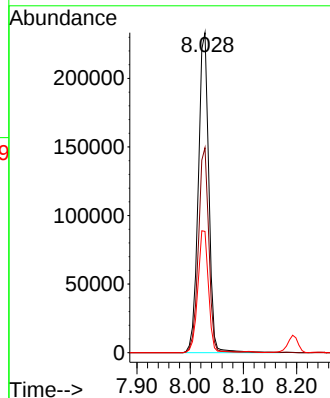
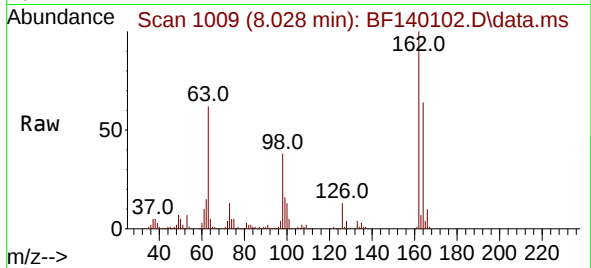
Tgt Ion:162 Resp: 320640

Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

98 37.9 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 42.459 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

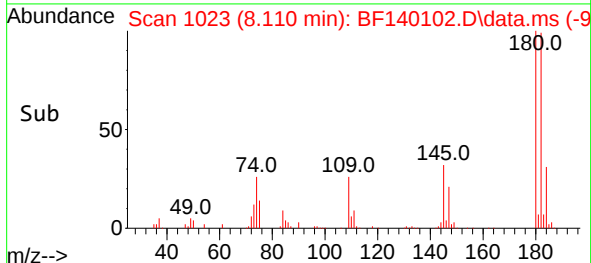
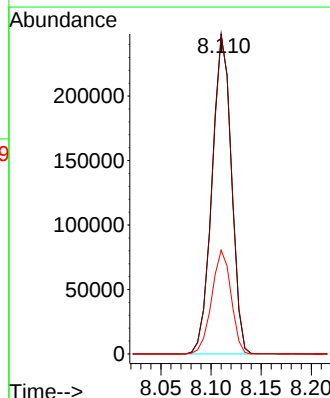
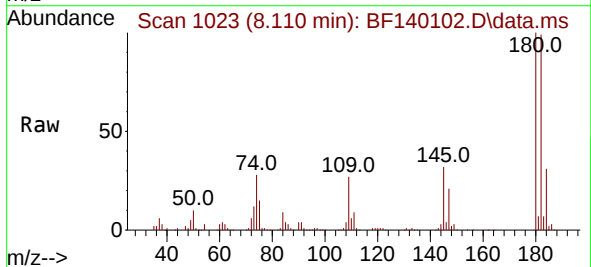
Tgt Ion:180 Resp: 333493

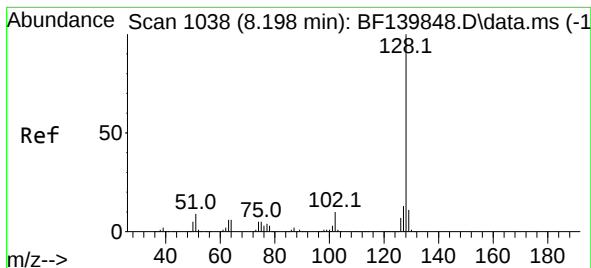
Ion Ratio Lower Upper

180 100

182 99.3 80.5 120.7

145 32.4 25.4 38.0





#31

Naphthalene

Concen: 43.071 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

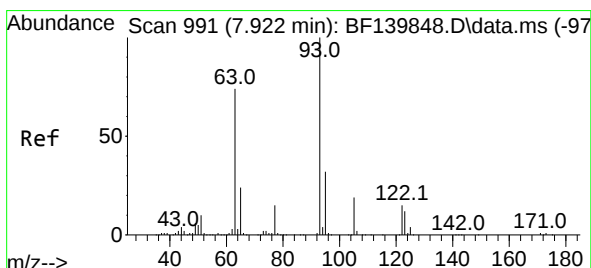
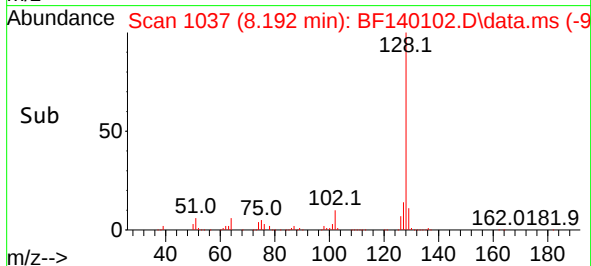
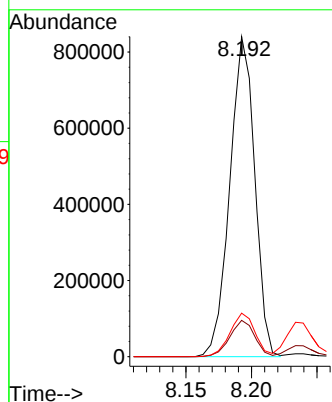
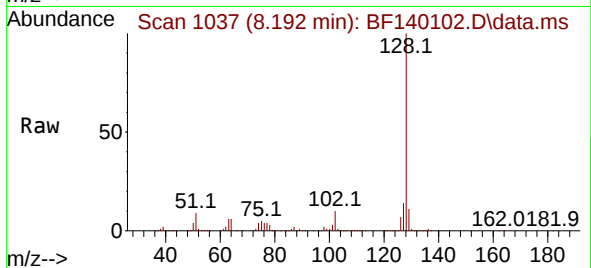
Tgt Ion:128 Resp: 1112457

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

127 13.6 10.6 16.0



#32

Benzoic acid

Concen: 44.218 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.012 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

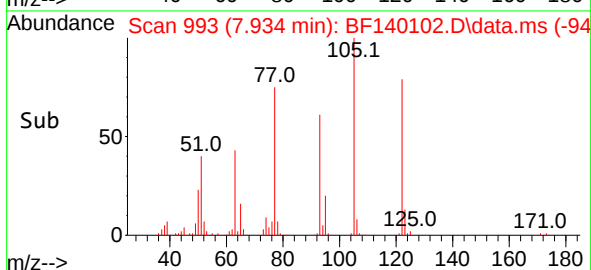
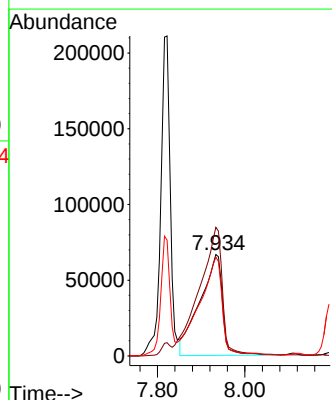
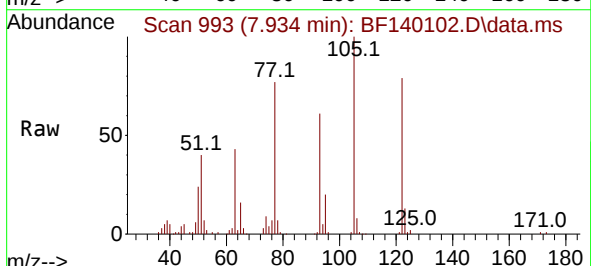
Tgt Ion:122 Resp: 240344

Ion Ratio Lower Upper

122 100

105 126.9 107.6 147.6

77 97.5 80.2 120.2



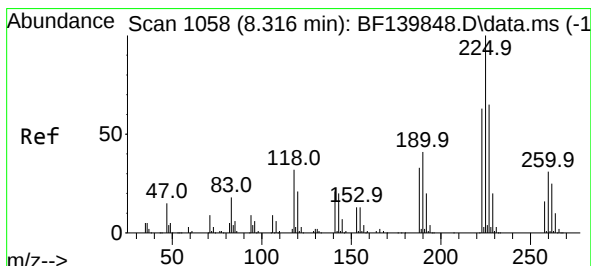
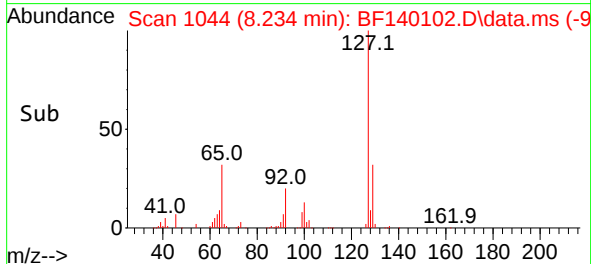
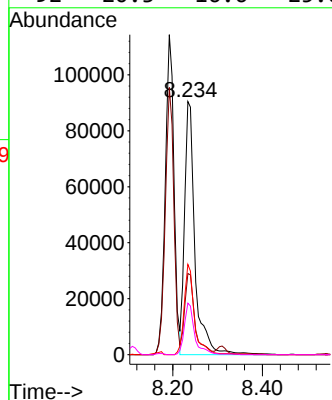
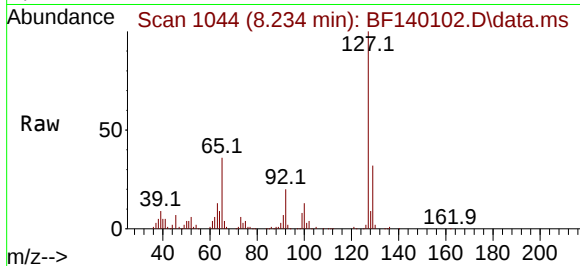


#33  
4-Chloroaniline  
Concen: 16.637 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:127 Resp: 146520

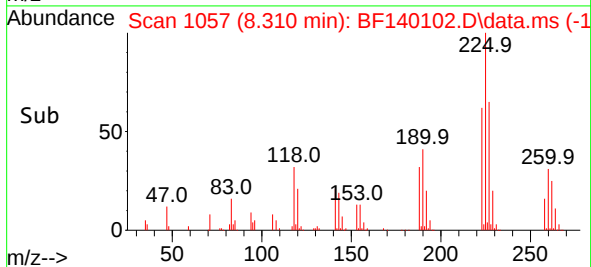
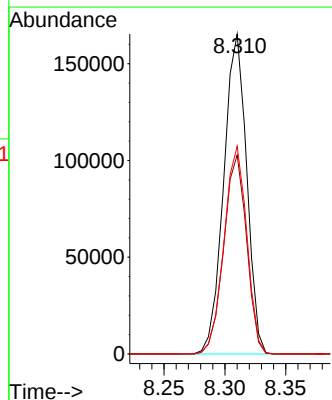
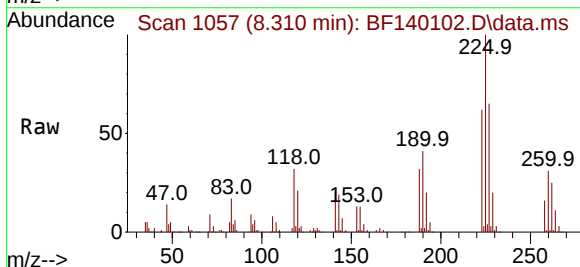
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.0  | 25.4  | 38.2  |
| 65  | 35.7  | 28.4  | 42.6  |
| 92  | 20.3  | 16.6  | 25.0  |

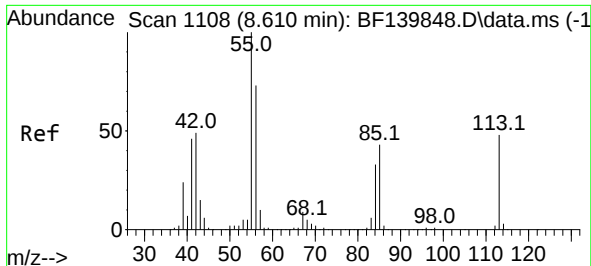


#34  
Hexachlorobutadiene  
Concen: 44.004 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:225 Resp: 217159

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 62.2  | 50.6  | 76.0  |
| 227 | 64.9  | 51.8  | 77.8  |

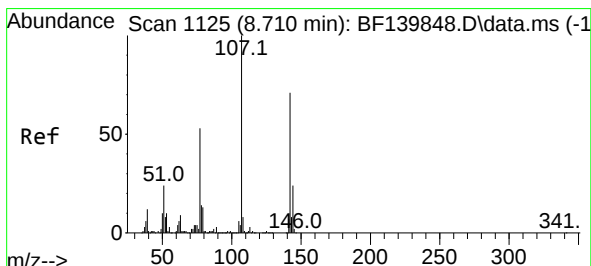
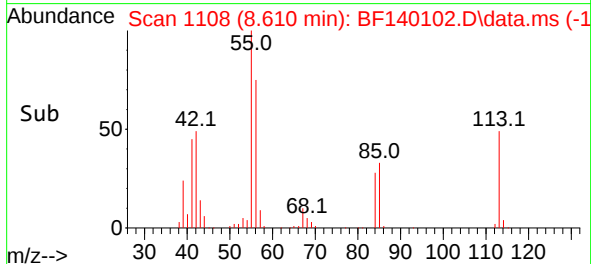
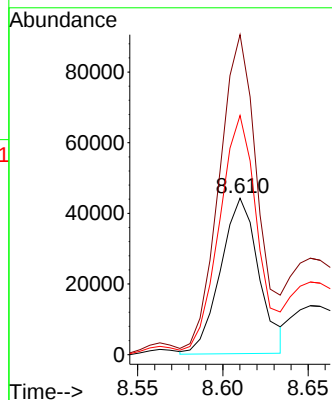
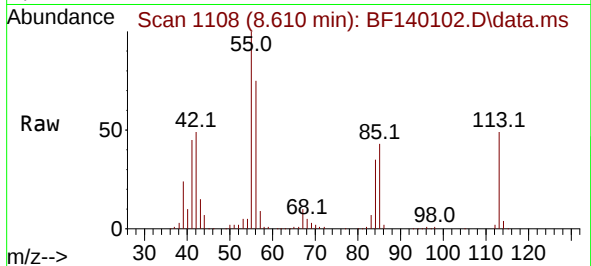




#35  
 Caprolactam  
 Concen: 30.503 ng  
 RT: 8.610 min Scan# 1108  
 Delta R.T. 0.000 min  
 Lab File: BF140102.D  
 Acq: 29 Oct 2024 10:33

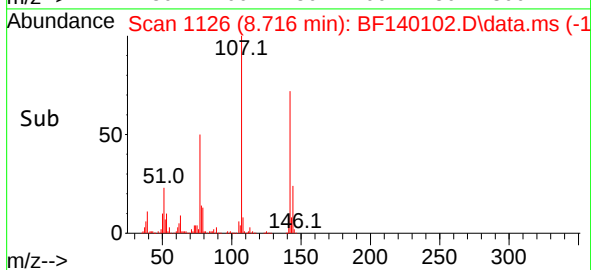
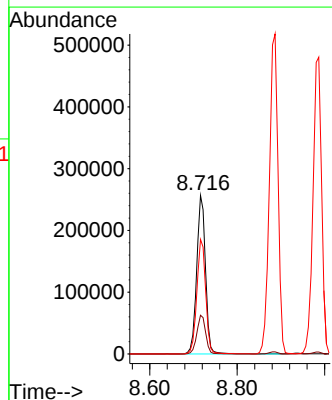
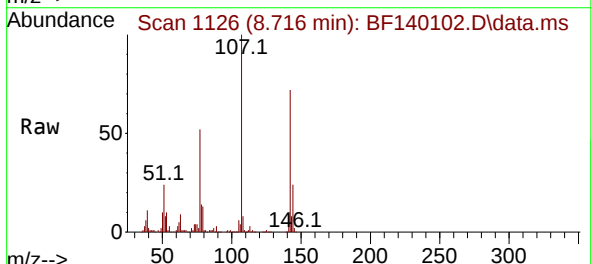
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164461BS

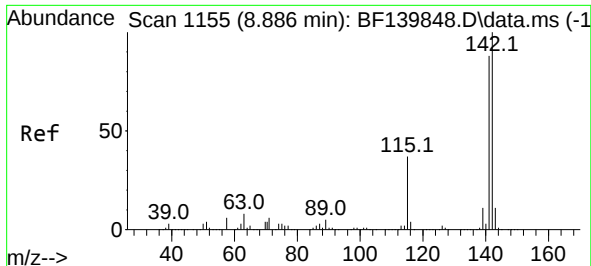
Tgt Ion:113 Resp: 68846  
 Ion Ratio Lower Upper  
 113 100  
 55 204.6 189.2 229.2  
 56 152.9 132.5 172.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.842 ng  
 RT: 8.716 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: BF140102.D  
 Acq: 29 Oct 2024 10:33

Tgt Ion:107 Resp: 360311  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 19.1 28.7  
 142 72.3 57.2 85.8





#37

2-Methylnaphthalene

Concen: 44.934 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

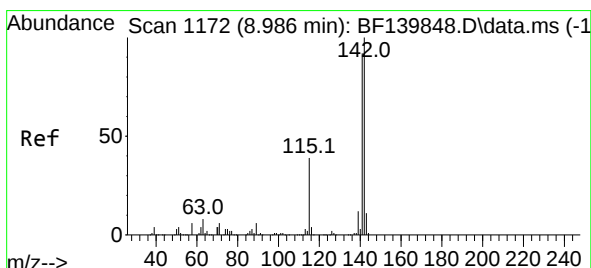
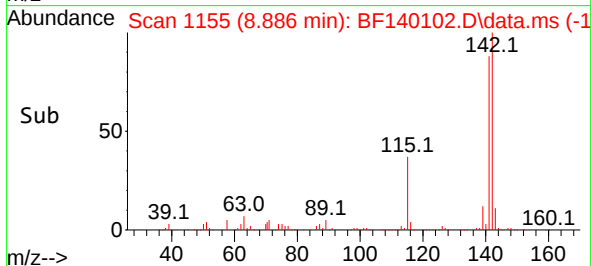
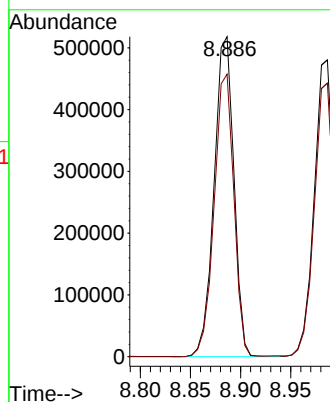
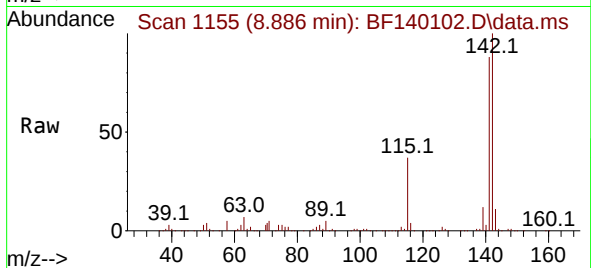
PB164461BS

Tgt Ion:142 Resp: 710773

Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2



#38

1-Methylnaphthalene

Concen: 42.141 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140102.D

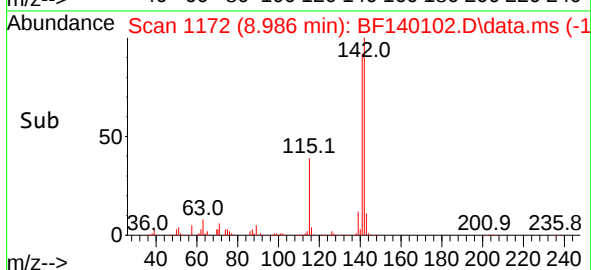
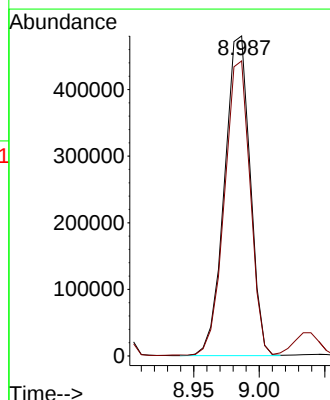
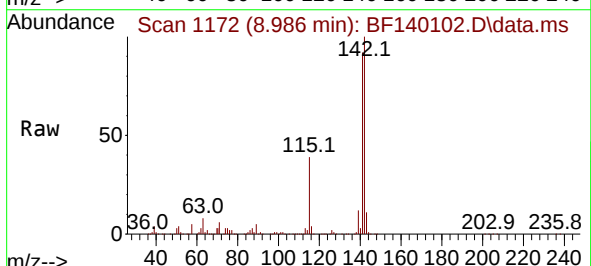
Acq: 29 Oct 2024 10:33

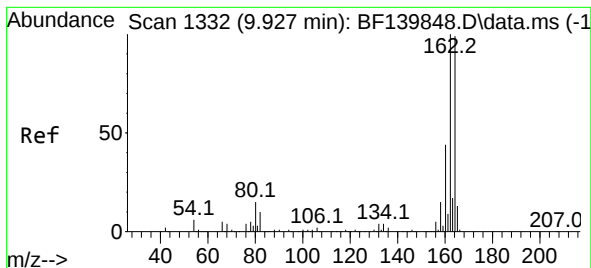
Tgt Ion:142 Resp: 654008

Ion Ratio Lower Upper

142 100

141 92.2 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

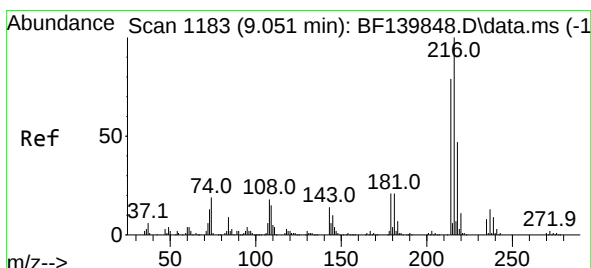
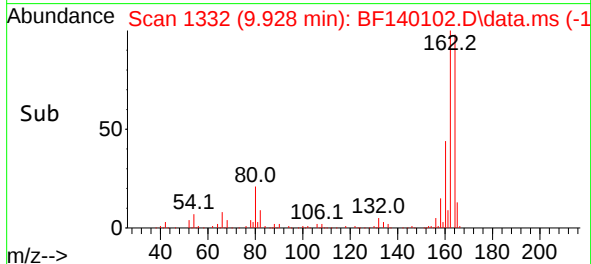
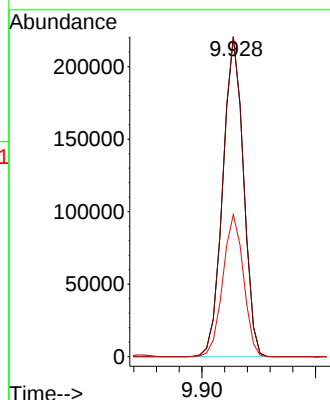
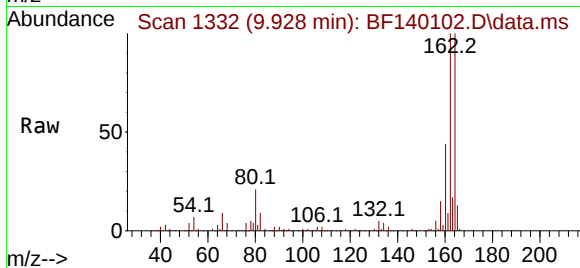
Tgt Ion:164 Resp: 278385

Ion Ratio Lower Upper

164 100

162 100.1 81.0 121.4

160 44.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.768 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Tgt Ion:216 Resp: 336224

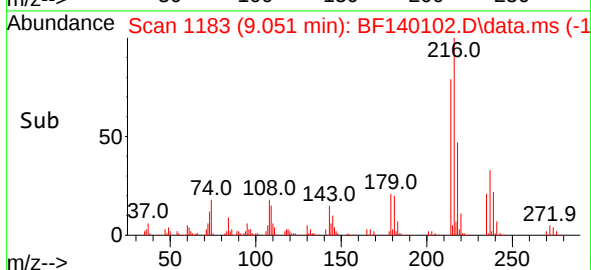
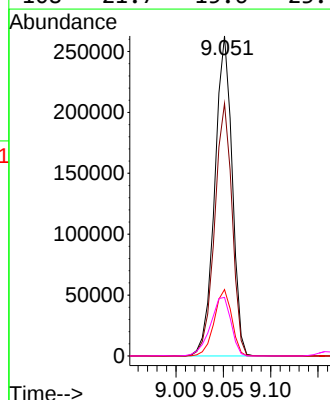
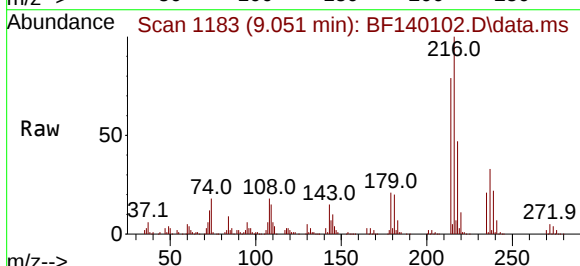
Ion Ratio Lower Upper

216 100

214 78.8 63.4 95.0

179 20.9 17.2 25.8

108 21.7 15.6 23.4

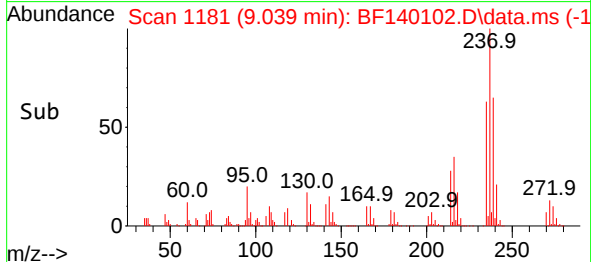
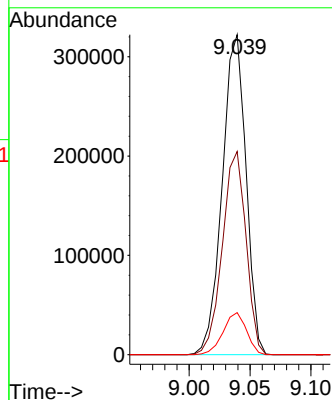
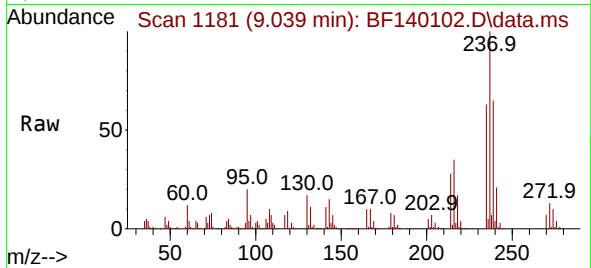




#41  
Hexachlorocyclopentadiene  
Concen: 167.579 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

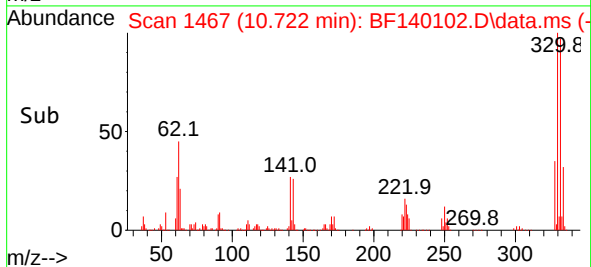
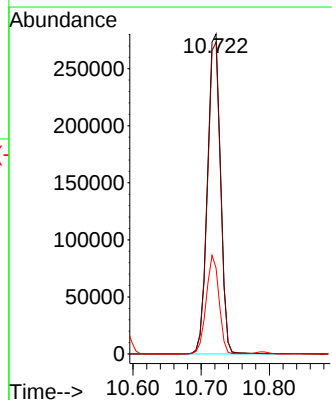
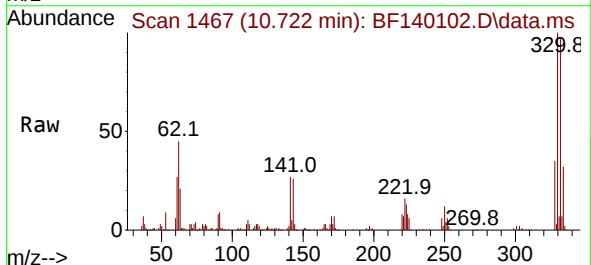
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:237 Resp: 437928  
Ion Ratio Lower Upper  
237 100  
235 63.5 42.9 82.9  
272 13.2 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 144.128 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:330 Resp: 375298  
Ion Ratio Lower Upper  
330 100  
332 97.0 78.1 117.1  
141 30.1 26.6 39.8

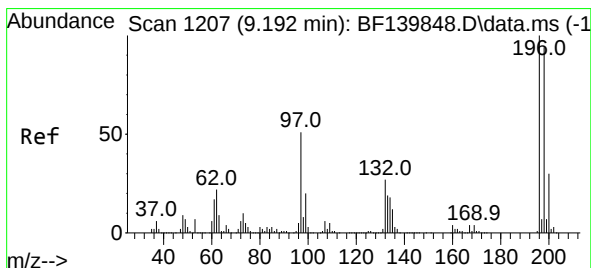
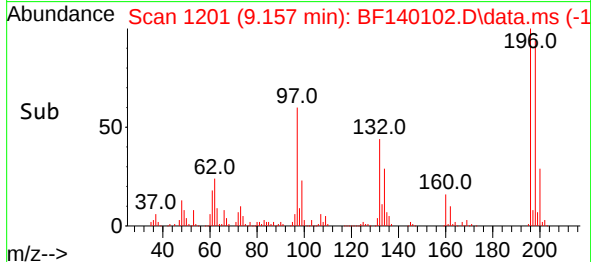
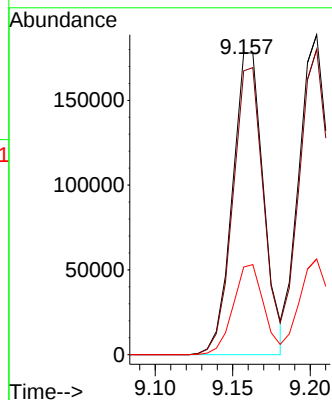
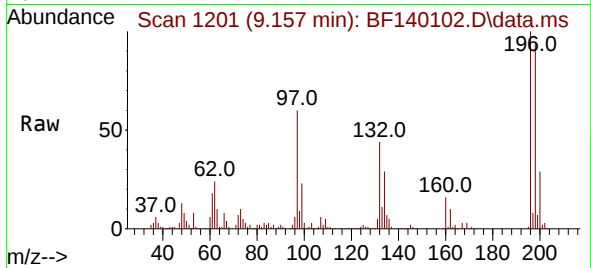




#43  
2,4,6-Trichlorophenol  
Concen: 46.737 ng  
RT: 9.157 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

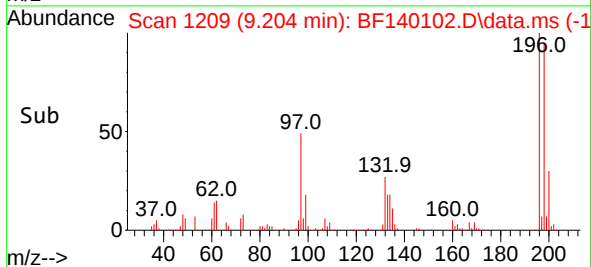
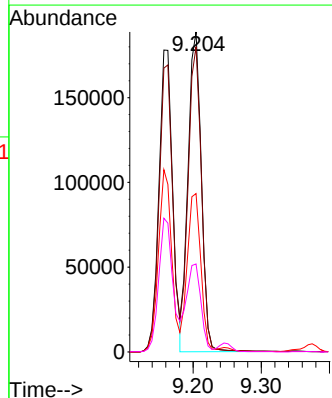
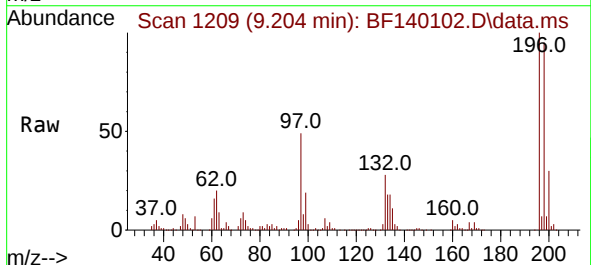
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

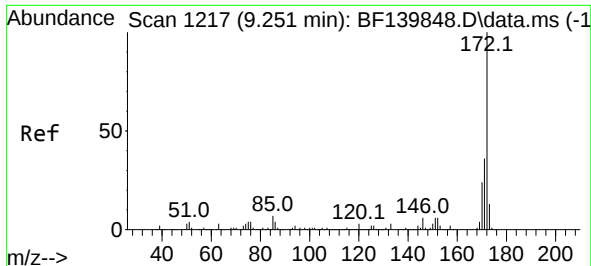
Tgt Ion:196 Resp: 248514  
Ion Ratio Lower Upper  
196 100  
198 94.0 76.2 114.2  
200 29.0 24.0 36.0



#44  
2,4,5-Trichlorophenol  
Concen: 46.287 ng  
RT: 9.204 min Scan# 1209  
Delta R.T. 0.012 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:196 Resp: 253928  
Ion Ratio Lower Upper  
196 100  
198 95.4 75.8 113.6  
97 49.5 41.8 62.6  
132 27.5 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 87.582 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

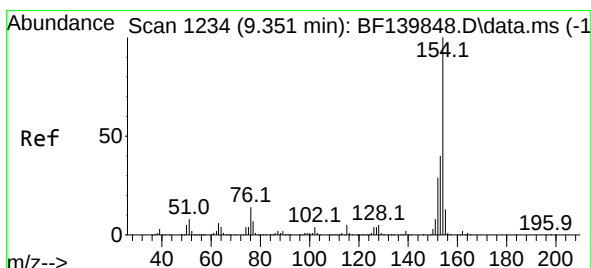
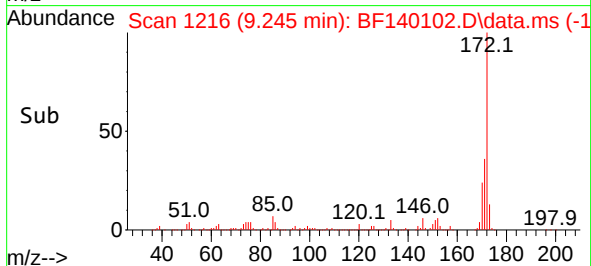
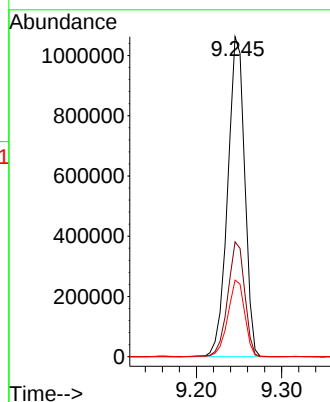
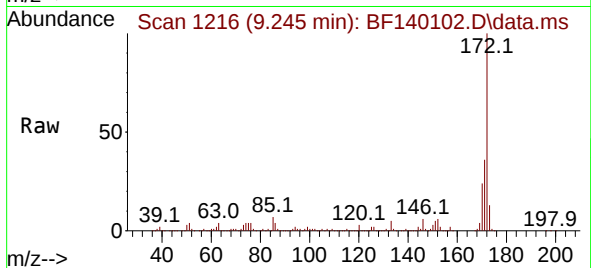
Tgt Ion:172 Resp: 1475257

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.9 19.1 28.7



#46

1,1'-Biphenyl

Concen: 44.236 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

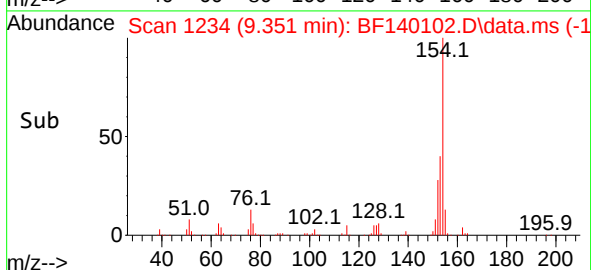
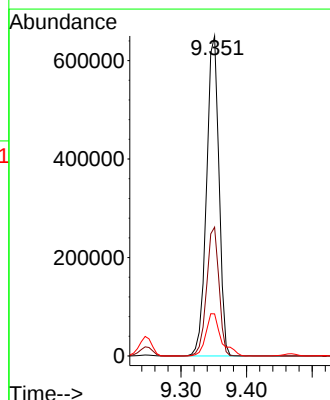
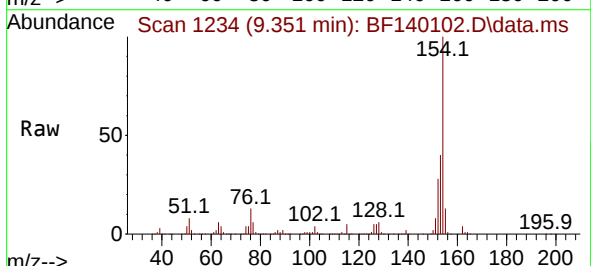
Tgt Ion:154 Resp: 857279

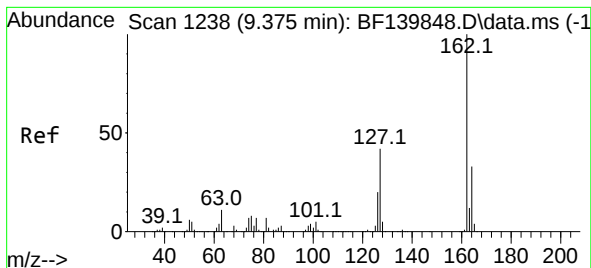
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 43.914 ng

RT: 9.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

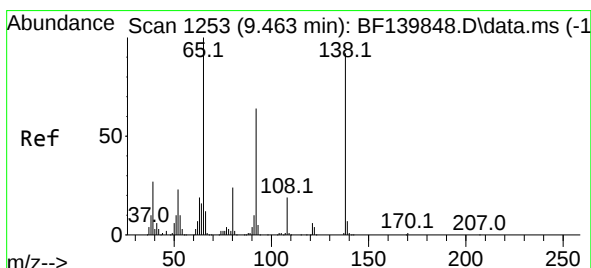
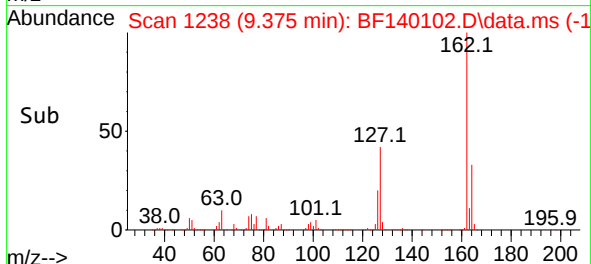
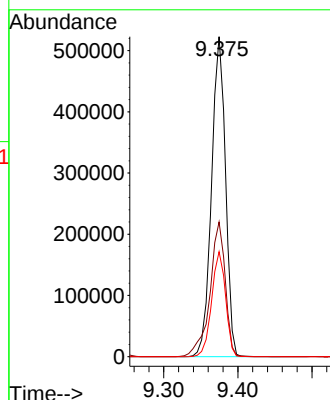
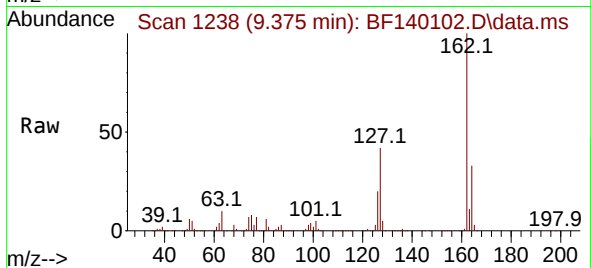
Tgt Ion:162 Resp: 685431

Ion Ratio Lower Upper

162 100

127 42.1 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 50.720 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

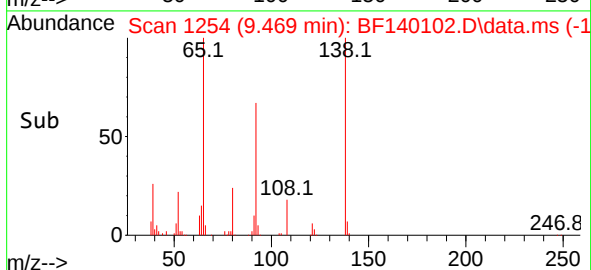
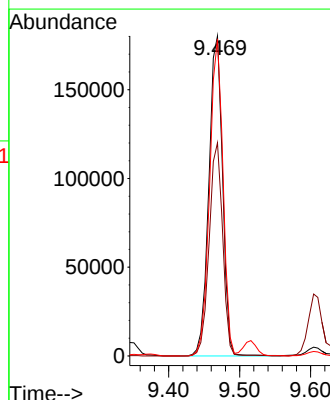
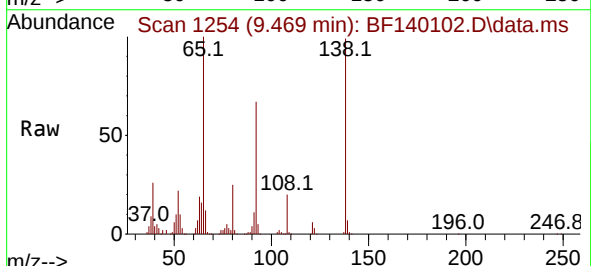
Tgt Ion: 65 Resp: 242126

Ion Ratio Lower Upper

65 100

92 66.6 50.9 76.3

138 99.1 73.4 110.0

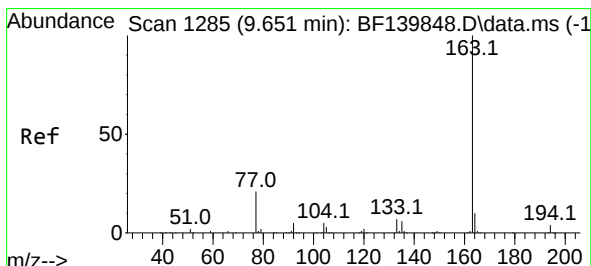
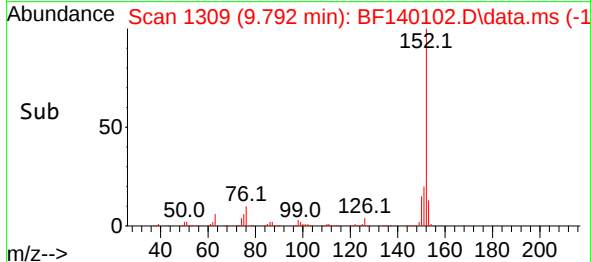
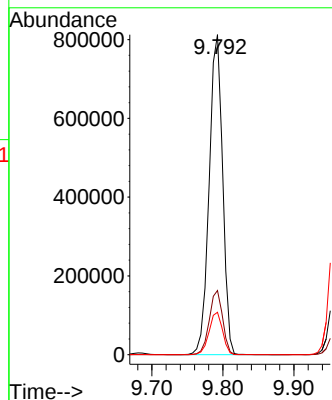
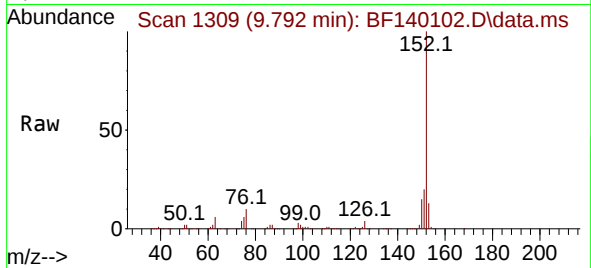




#49  
Acenaphthylene  
Concen: 47.486 ng  
RT: 9.792 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

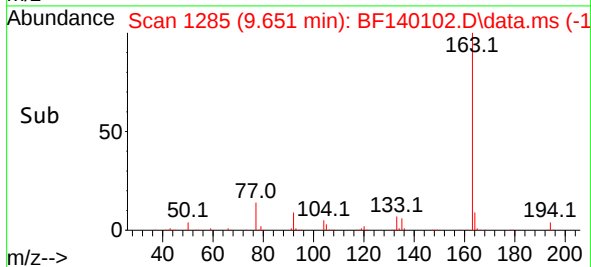
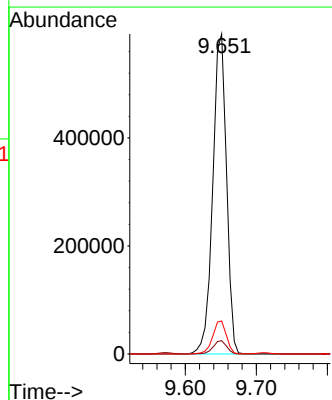
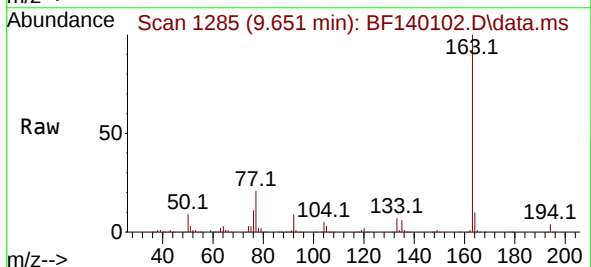
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

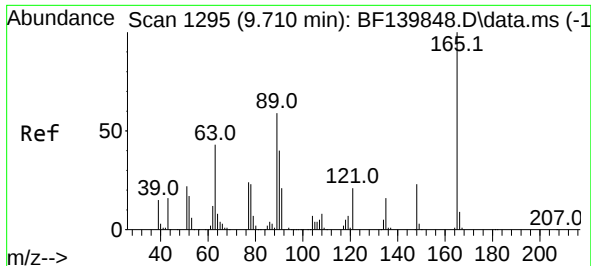
Tgt Ion:152 Resp: 1071550  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.9 23.9  
153 13.3 10.7 16.1



#50  
Dimethylphthalate  
Concen: 45.913 ng  
RT: 9.651 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:163 Resp: 796125  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.3 8.2 12.2

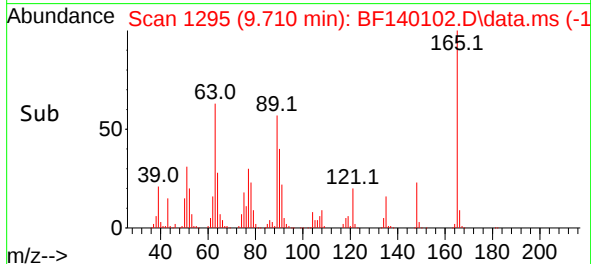
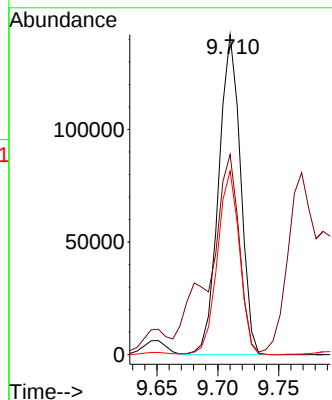
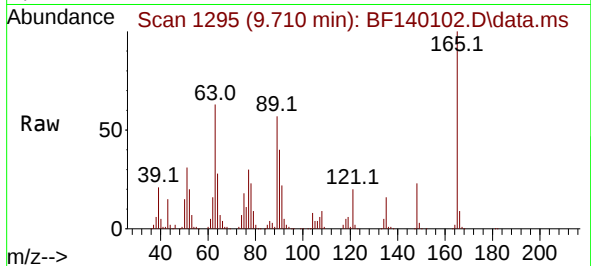




#51  
2,6-Dinitrotoluene  
Concen: 47.210 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

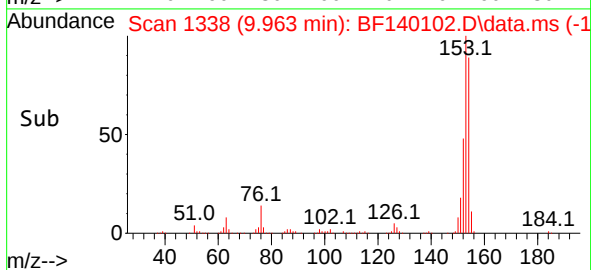
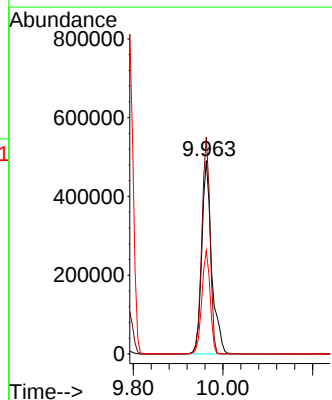
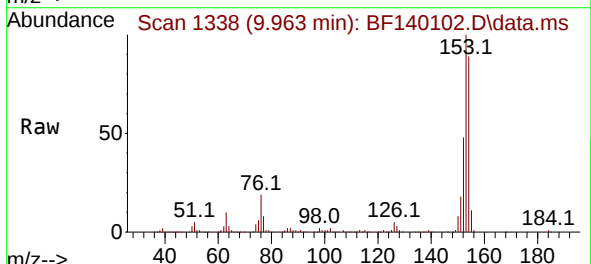
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

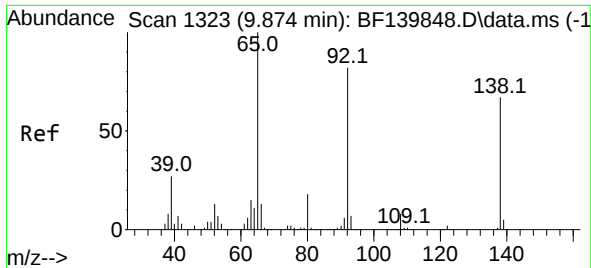
Tgt Ion:165 Resp: 177248  
Ion Ratio Lower Upper  
165 100  
63 62.6 50.6 75.8  
89 57.4 47.5 71.3



#52  
Acenaphthene  
Concen: 51.411 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:154 Resp: 750474  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.8 134.6  
152 53.5 42.4 63.6

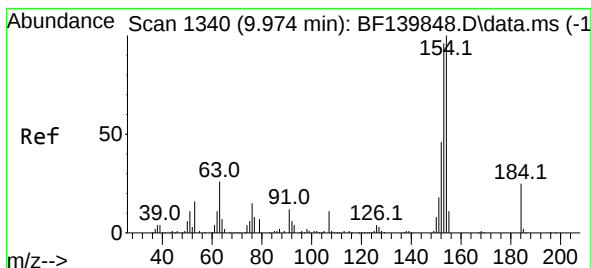
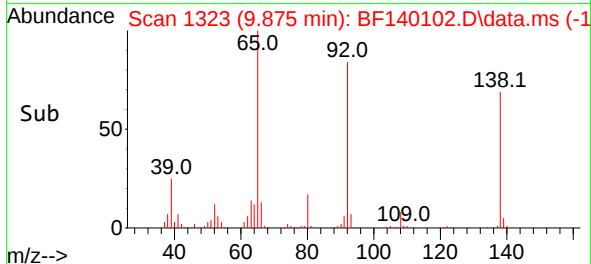
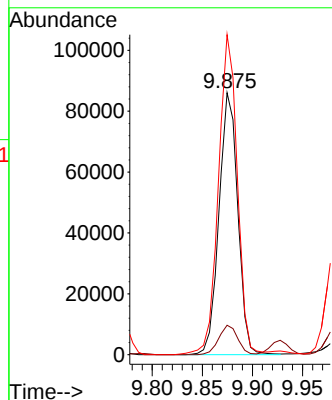
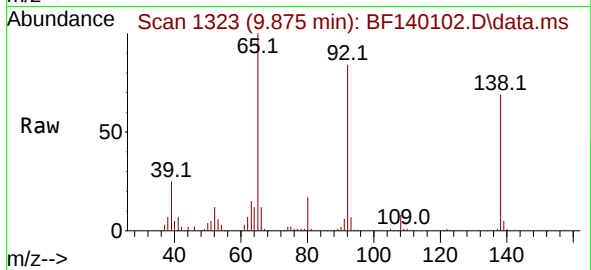




#53  
3-Nitroaniline  
Concen: 28.957 ng  
RT: 9.875 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

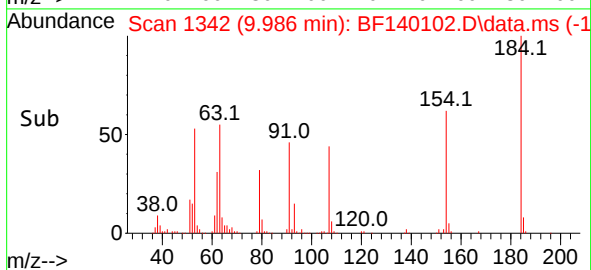
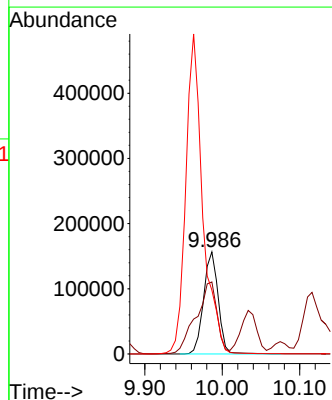
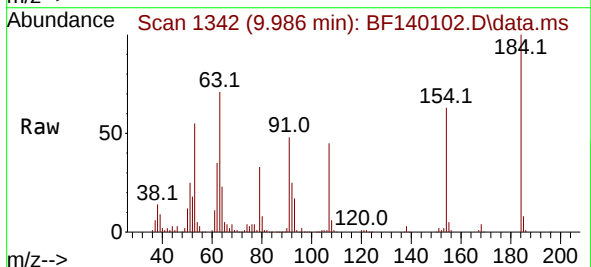
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

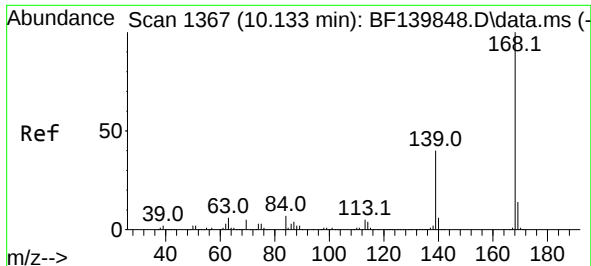
Tgt Ion:138 Resp: 112113  
Ion Ratio Lower Upper  
138 100  
108 11.2 10.2 15.2  
92 122.2 98.3 147.5



#54  
2,4-Dinitrophenol  
Concen: 127.641 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:184 Resp: 205710  
Ion Ratio Lower Upper  
184 100  
63 70.5 84.7 127.1#  
154 62.6 338.2 507.2#

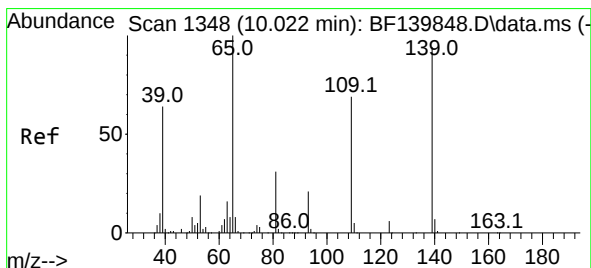
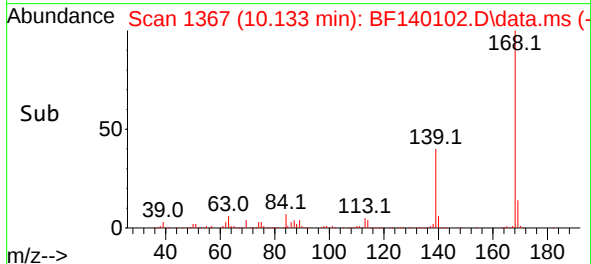
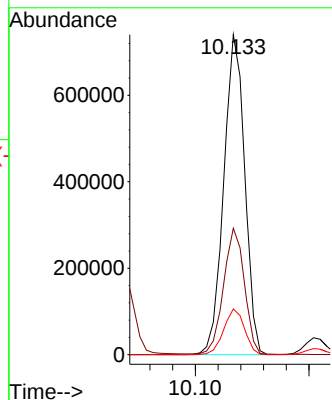
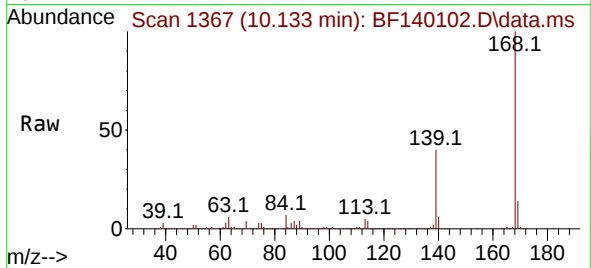




#55  
Dibenzofuran  
Concen: 45.358 ng  
RT: 10.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

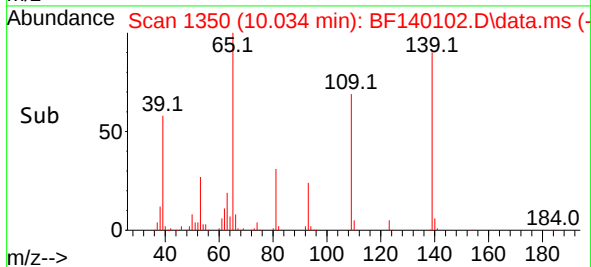
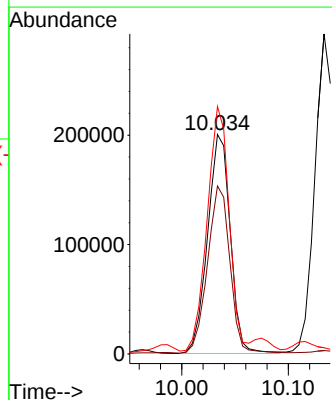
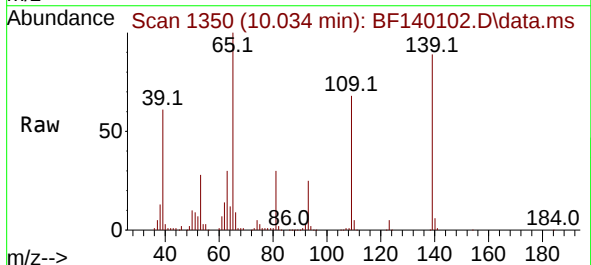
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

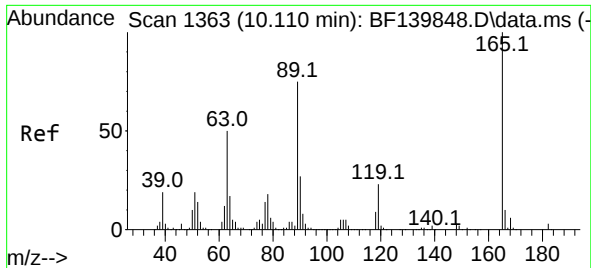
Tgt Ion:168 Resp: 949974  
Ion Ratio Lower Upper  
168 100  
139 39.5 31.8 47.6  
169 14.3 11.6 17.4



#56  
4-Nitrophenol  
Concen: 99.985 ng  
RT: 10.034 min Scan# 1350  
Delta R.T. 0.012 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:139 Resp: 297830  
Ion Ratio Lower Upper  
139 100  
109 76.6 53.6 93.6  
65 112.8 87.8 127.8

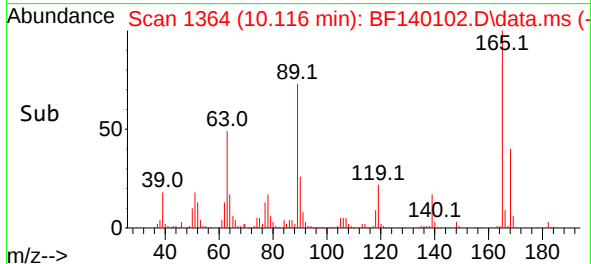
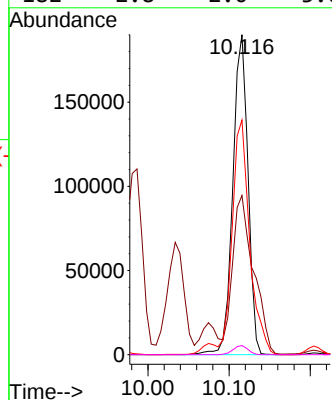
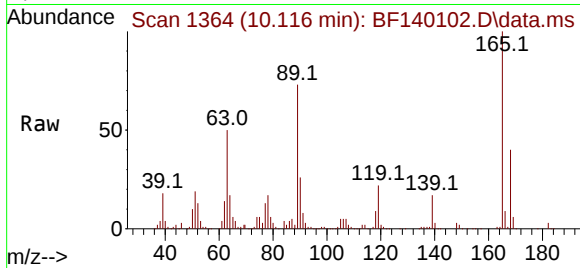




#57  
2,4-Dinitrotoluene  
Concen: 53.260 ng  
RT: 10.116 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

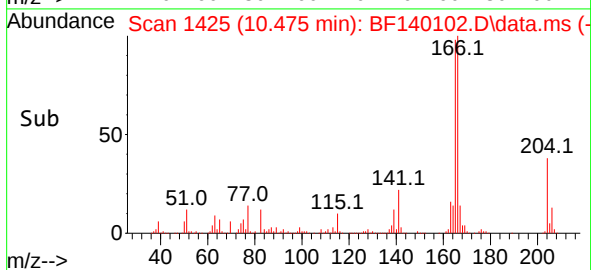
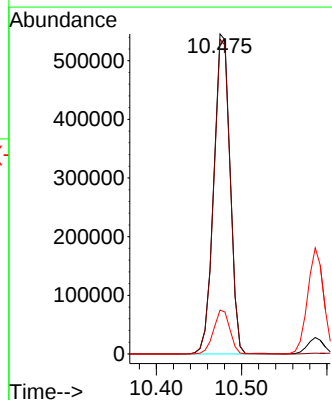
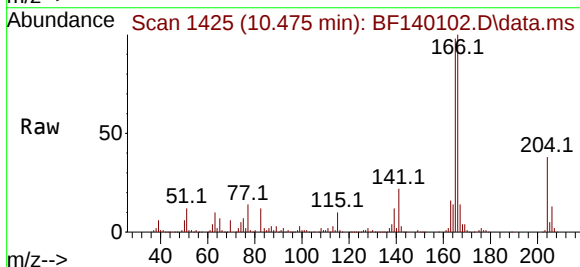
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:165 Resp: 245903  
Ion Ratio Lower Upper  
165 100  
63 49.7 40.1 60.1  
89 73.3 60.4 90.6  
182 2.8 2.0 3.0



#58  
Fluorene  
Concen: 45.452 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:166 Resp: 725048  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.5 117.7  
167 13.7 10.9 16.3

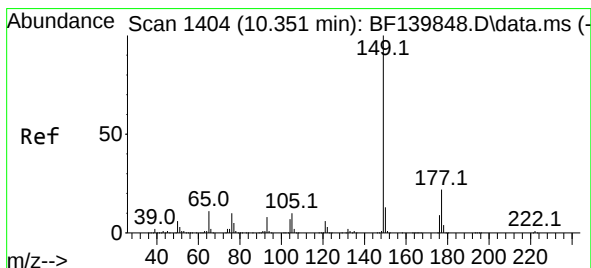
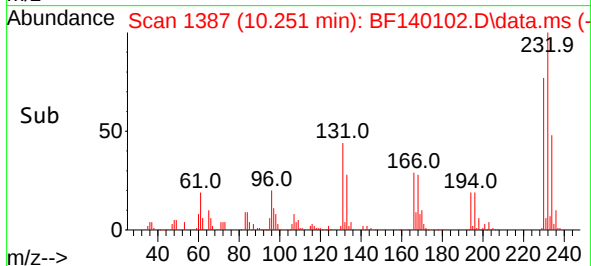
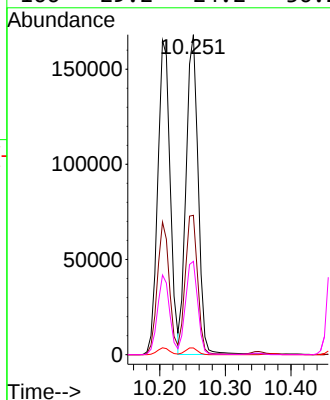
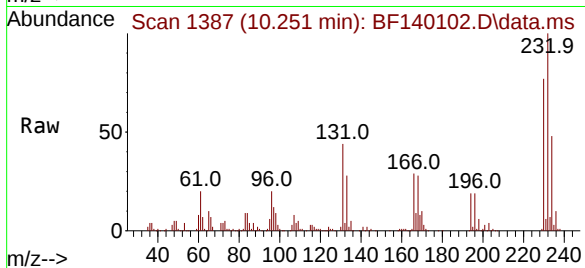




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.823 ng  
RT: 10.251 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

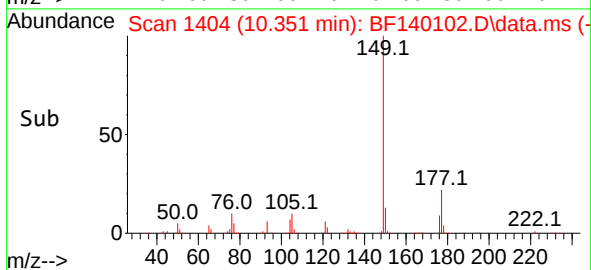
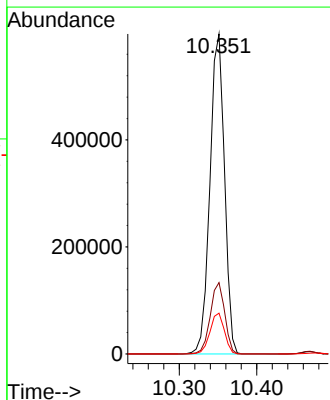
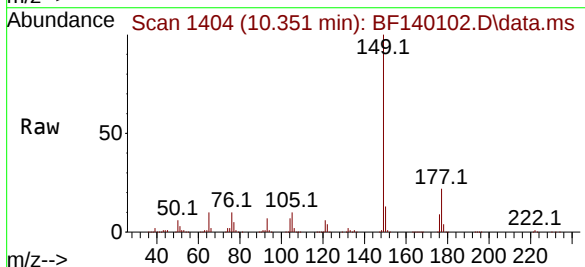
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

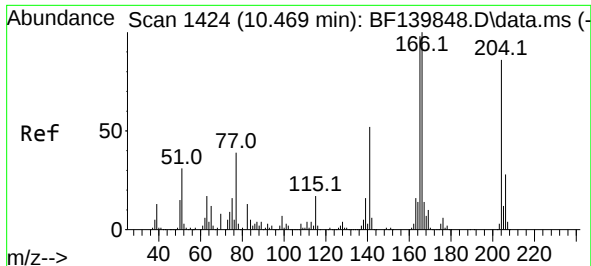
Tgt Ion:232 Resp: 214271  
Ion Ratio Lower Upper  
232 100  
131 44.7 37.0 55.6  
130 2.2 1.9 2.9  
166 29.2 24.2 36.2



#60  
Diethylphthalate  
Concen: 45.782 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:149 Resp: 779453  
Ion Ratio Lower Upper  
149 100  
177 22.3 17.9 26.9  
150 12.7 10.1 15.1

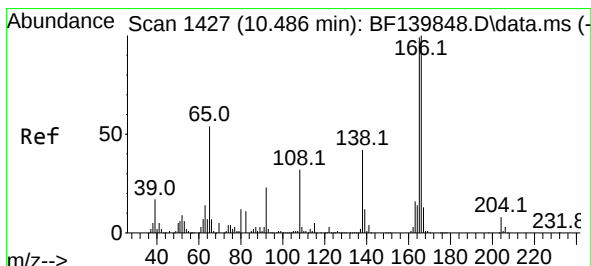
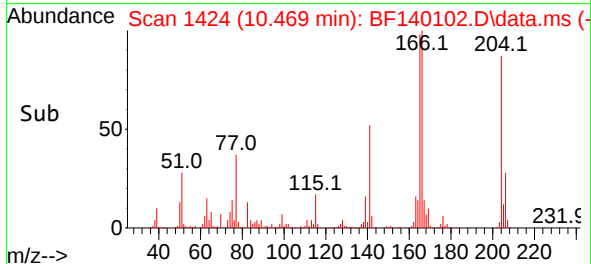
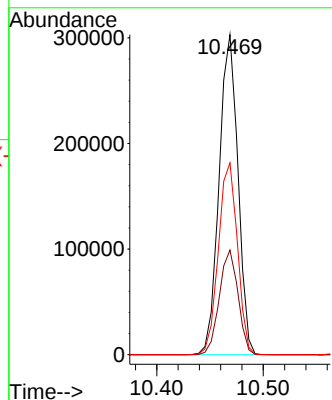
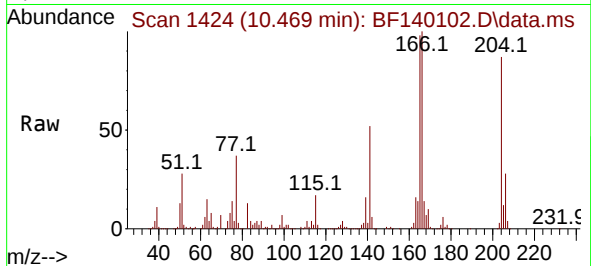




#61  
4-Chlorophenyl-phenylether  
Concen: 46.107 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

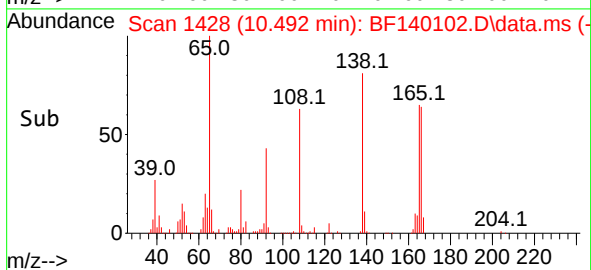
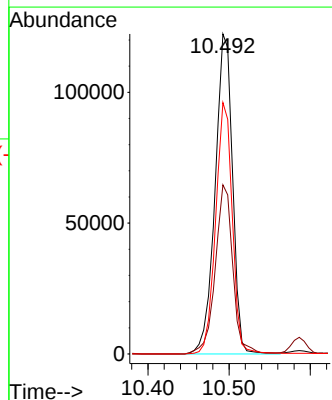
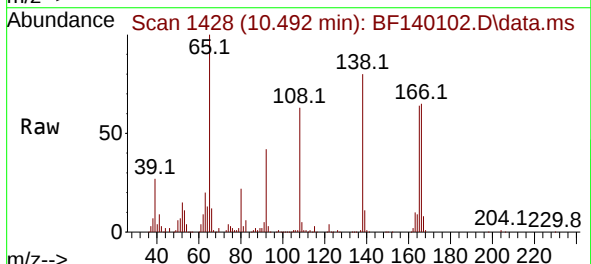
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

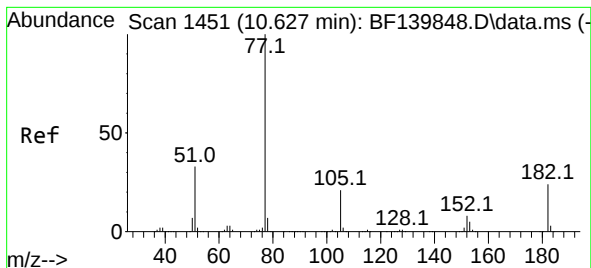
Tgt Ion:204 Resp: 371429  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.3 39.5  
141 59.9 48.6 73.0



#62  
4-Nitroaniline  
Concen: 50.047 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:138 Resp: 183008  
Ion Ratio Lower Upper  
138 100  
92 52.9 35.7 75.7  
108 78.6 57.5 97.5





#63

Azobenzene

Concen: 44.623 ng

RT: 10.628 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

Tgt Ion: 77 Resp: 805434

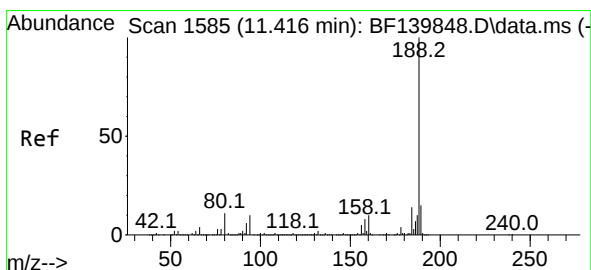
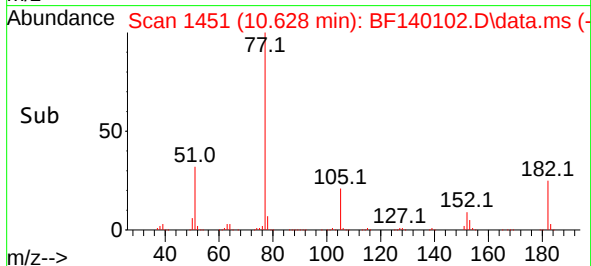
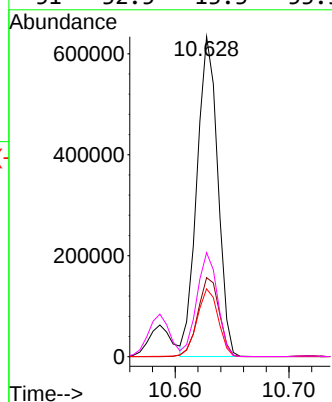
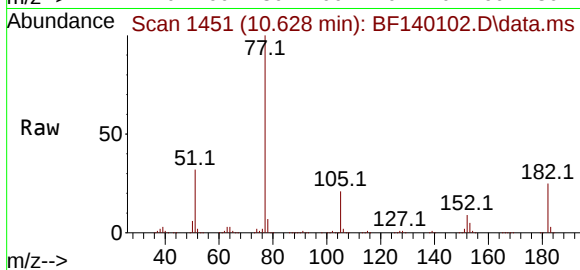
Ion Ratio Lower Upper

77 100

182 24.7 3.3 43.3

105 21.2 1.2 41.2

51 32.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

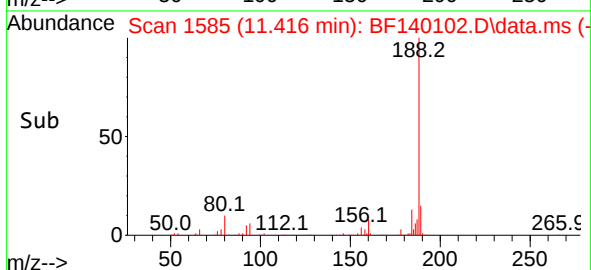
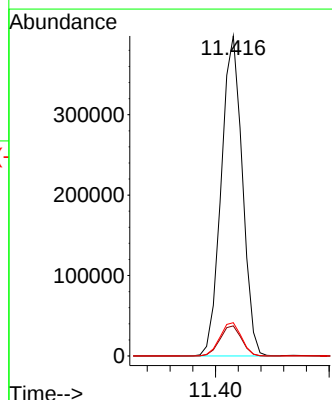
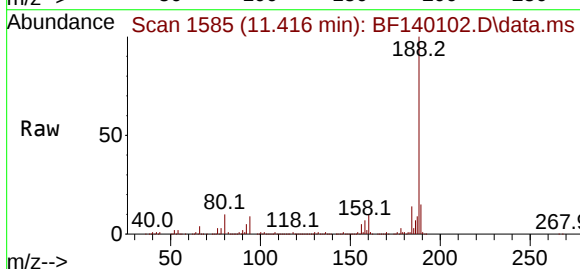
Tgt Ion: 188 Resp: 513541

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.4 9.0 13.4

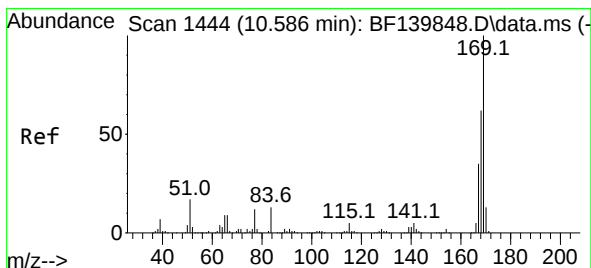
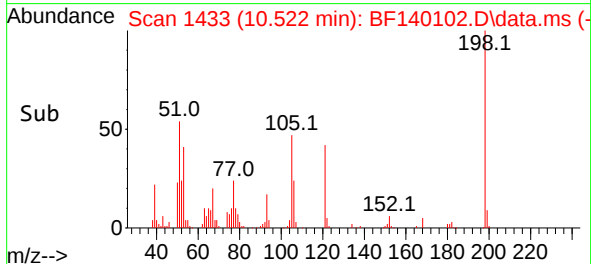
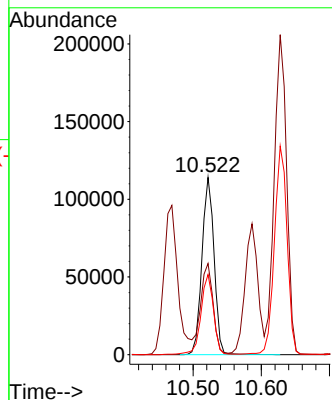
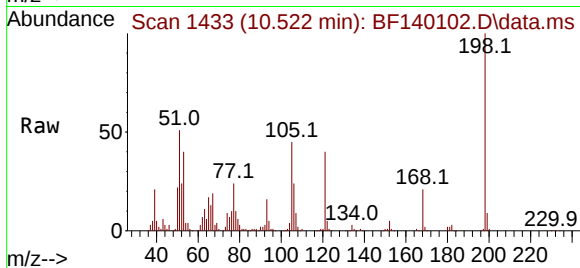




#65  
4,6-Dinitro-2-methylphenol  
Concen: 67.397 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

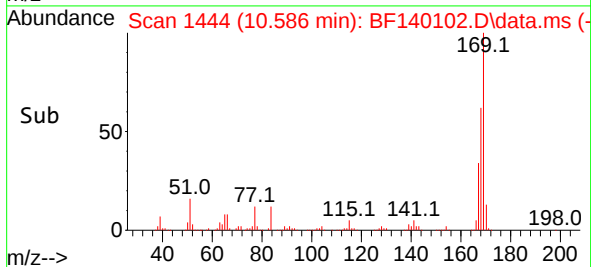
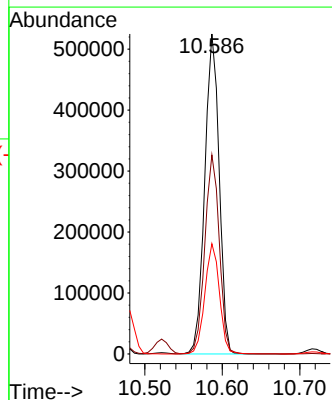
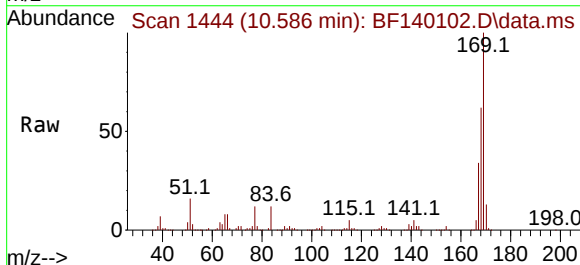
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

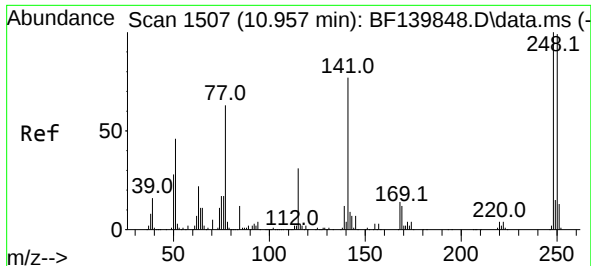
Tgt Ion:198 Resp: 141178  
Ion Ratio Lower Upper  
198 100  
51 51.5 38.2 78.2  
105 45.2 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 44.099 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:169 Resp: 677802  
Ion Ratio Lower Upper  
169 100  
168 62.2 49.8 74.6  
167 34.5 28.0 42.0

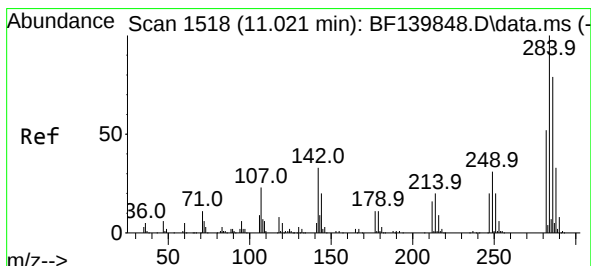
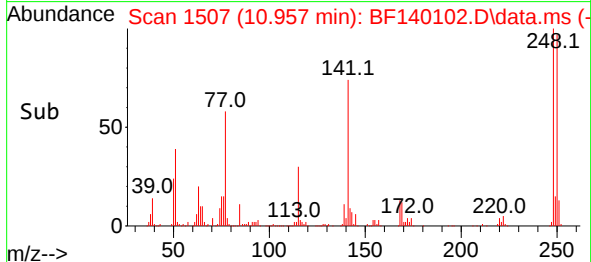
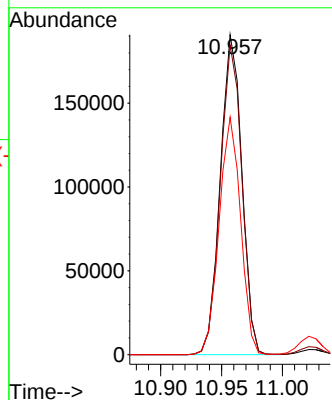
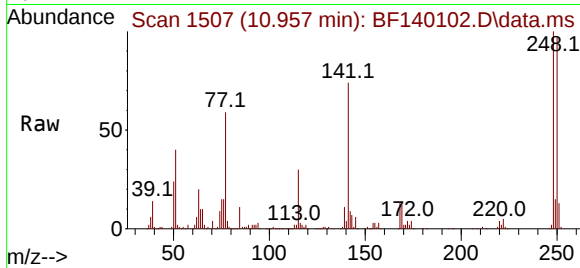




#67  
4-Bromophenyl-phenylether  
Concen: 44.608 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

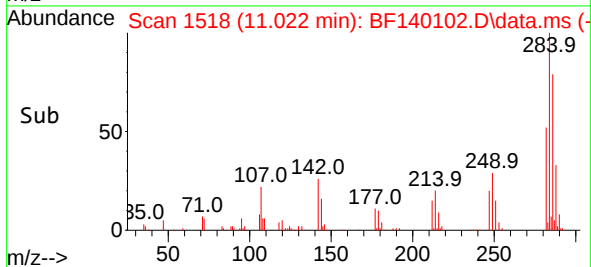
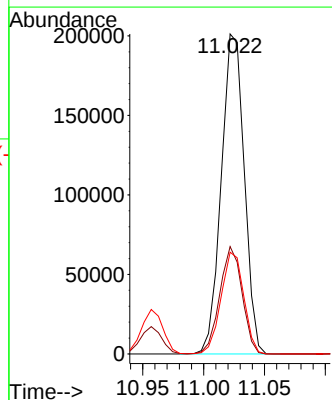
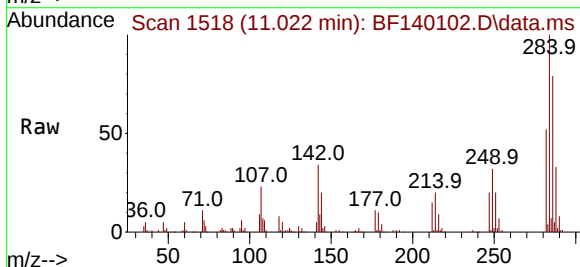
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

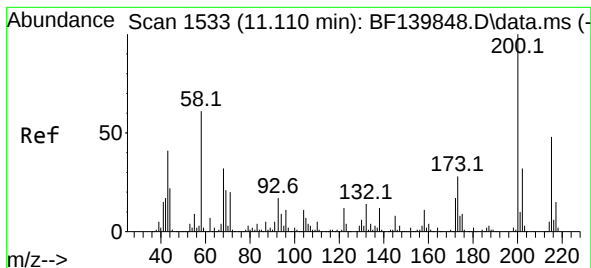
Tgt Ion:248 Resp: 235997  
Ion Ratio Lower Upper  
248 100  
250 96.7 79.0 118.6  
141 74.2 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 44.484 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:284 Resp: 264678  
Ion Ratio Lower Upper  
284 100  
142 33.6 26.9 40.3  
249 31.8 25.3 37.9





#69

Atrazine

Concen: 54.585 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

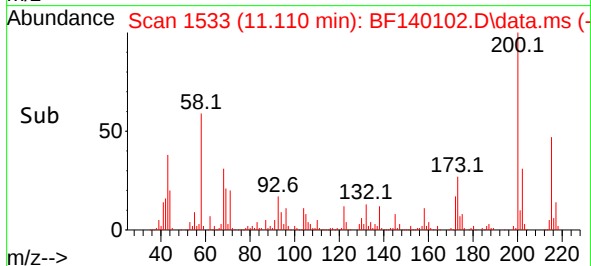
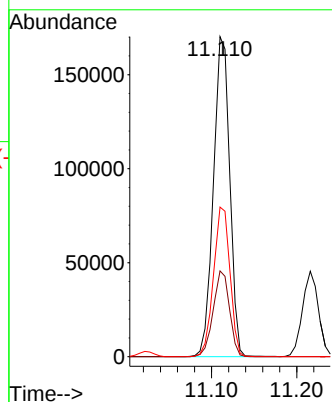
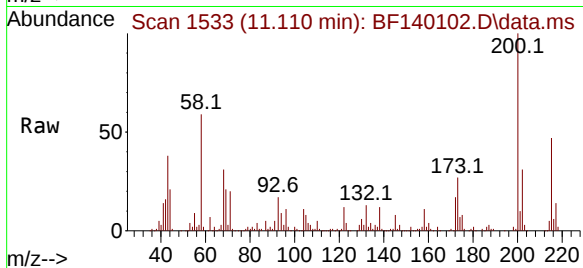
Tgt Ion:200 Resp: 227268

Ion Ratio Lower Upper

200 100

173 26.8 7.7 47.7

215 46.8 27.7 67.7



#70

Pentachlorophenol

Concen: 92.325 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

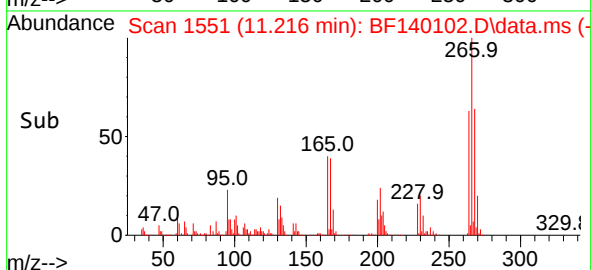
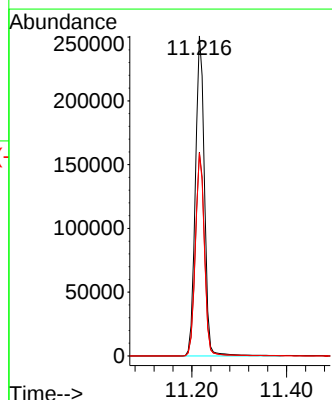
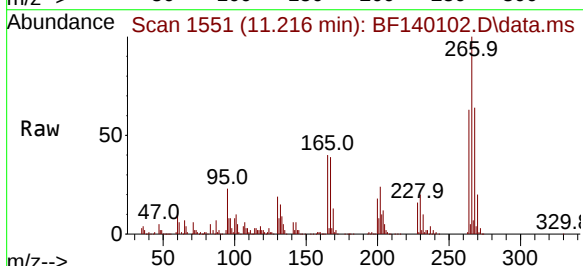
Tgt Ion:266 Resp: 333392

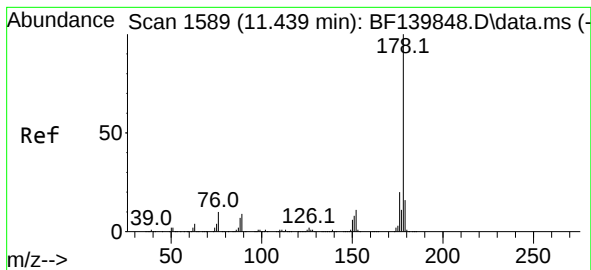
Ion Ratio Lower Upper

266 100

268 63.7 50.4 75.6

264 63.3 50.6 75.8





#71

Phenanthrene

Concen: 44.593 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

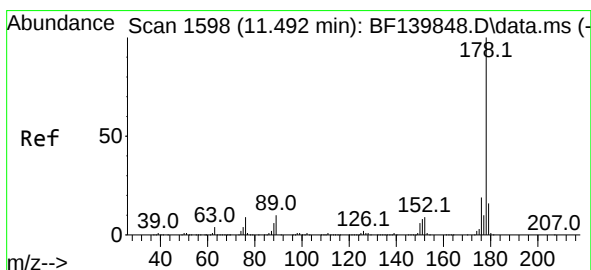
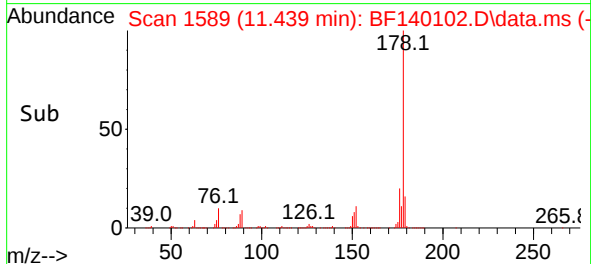
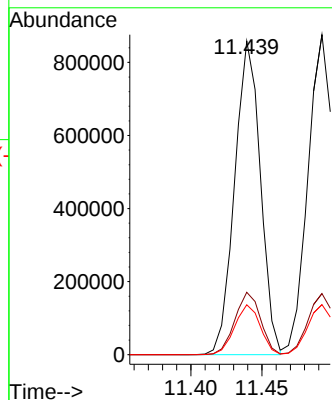
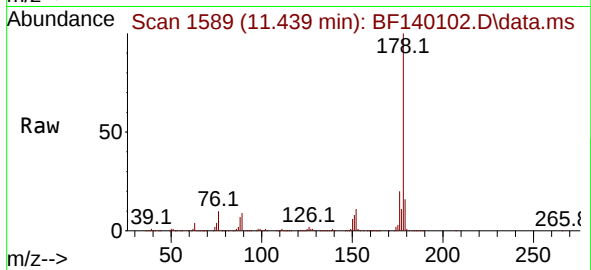
Tgt Ion:178 Resp: 1081706

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

179 15.9 12.6 18.8



#72

Anthracene

Concen: 47.261 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

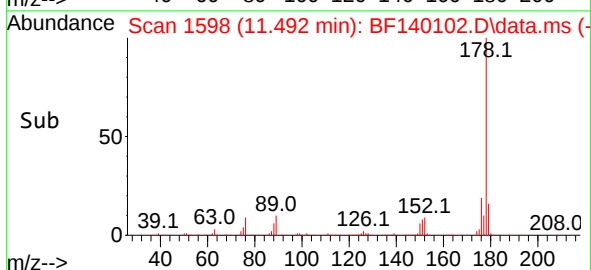
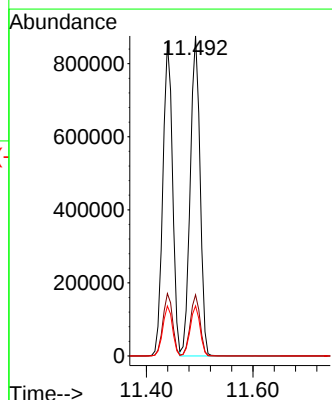
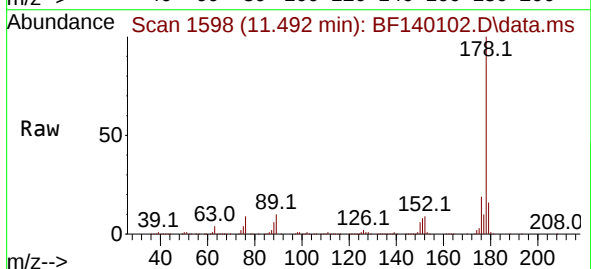
Tgt Ion:178 Resp: 1118559

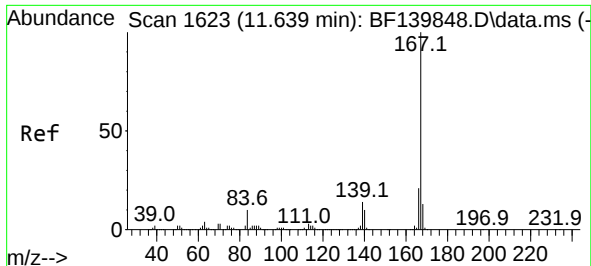
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.7 12.4 18.6

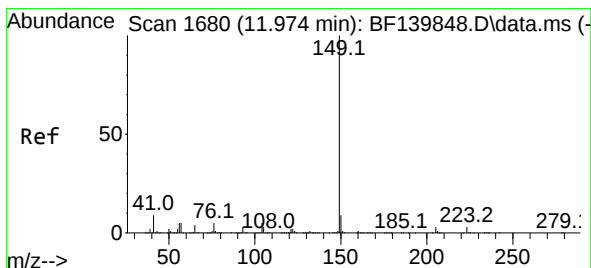
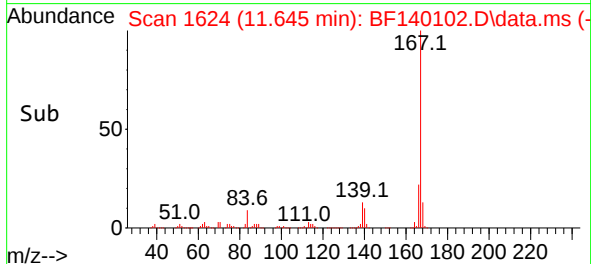
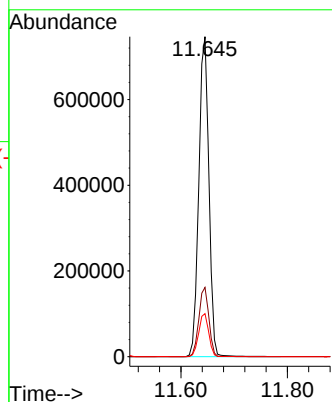
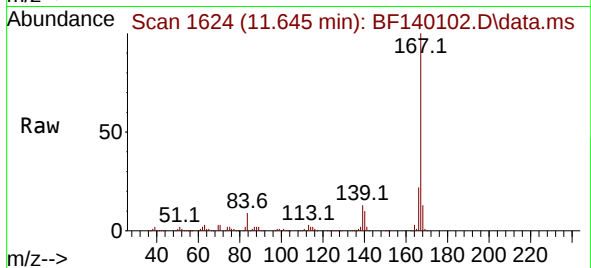




#73  
 Carbazole  
 Concen: 44.559 ng  
 RT: 11.645 min Scan# 1624  
 Delta R.T. 0.006 min  
 Lab File: BF140102.D  
 Acq: 29 Oct 2024 10:33

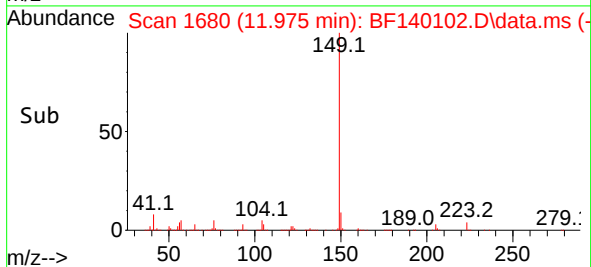
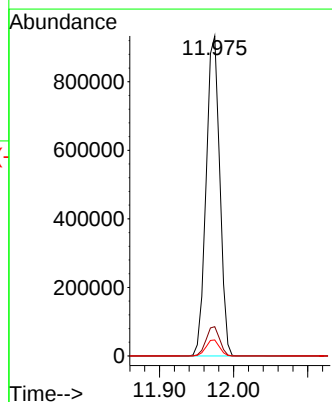
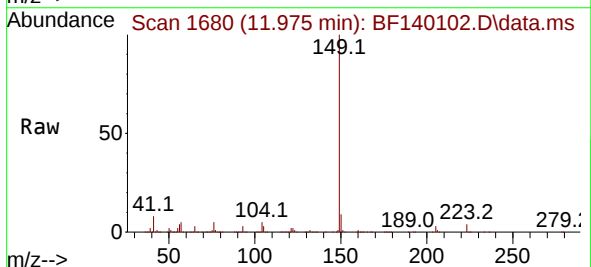
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164461BS

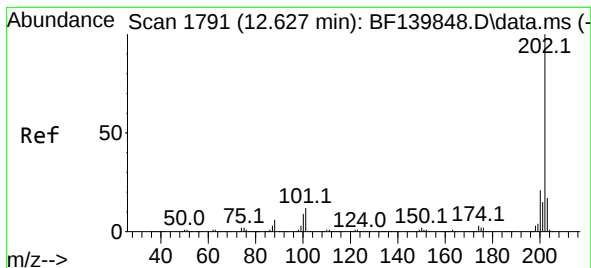
Tgt Ion:167 Resp: 980816  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.0 25.6  
 139 13.4 10.8 16.2



#74  
 Di-n-butylphthalate  
 Concen: 46.878 ng  
 RT: 11.975 min Scan# 1680  
 Delta R.T. 0.000 min  
 Lab File: BF140102.D  
 Acq: 29 Oct 2024 10:33

Tgt Ion:149 Resp: 1192125  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.5 11.3  
 104 5.0 4.1 6.1





#75

Fluoranthene

Concen: 46.202 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

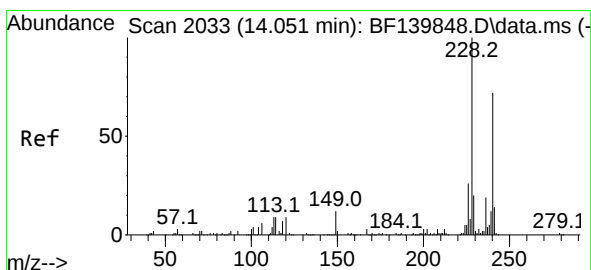
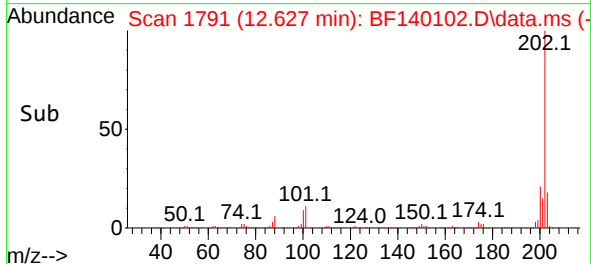
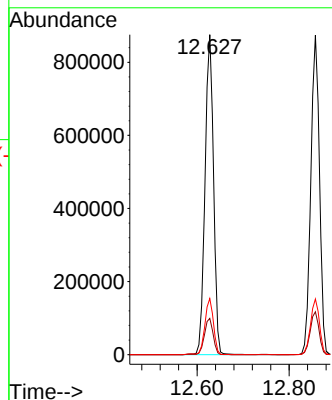
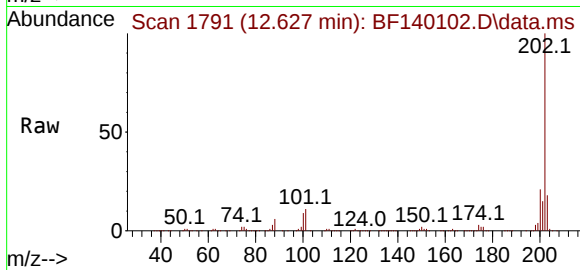
Tgt Ion:202 Resp: 1132991

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

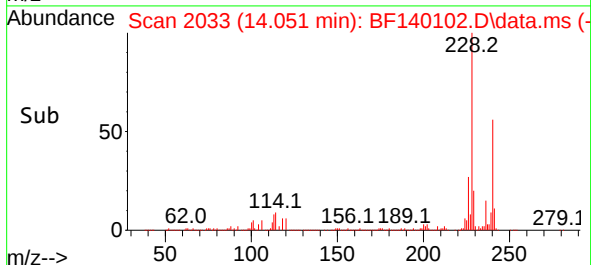
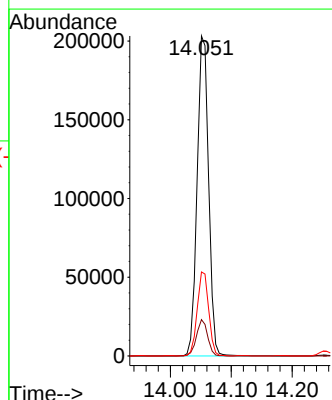
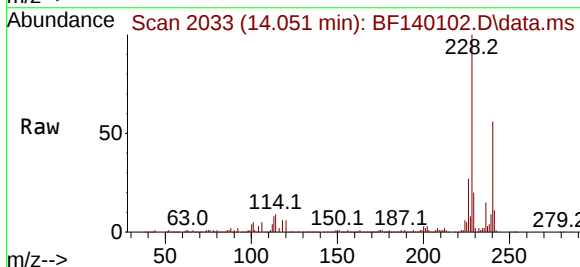
Tgt Ion:240 Resp: 266065

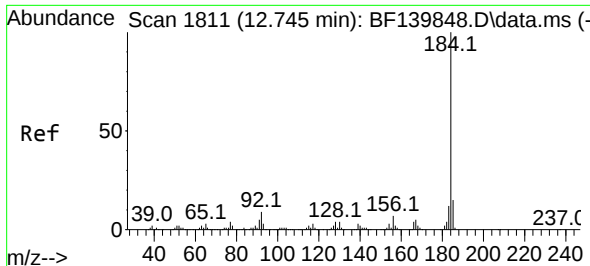
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 26.3 20.9 31.3

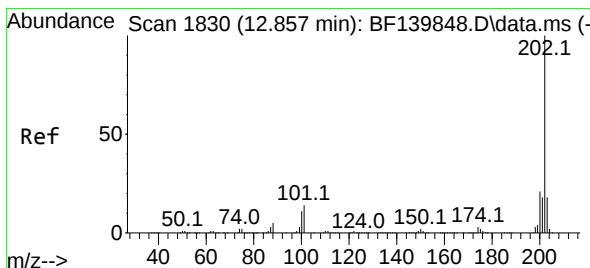
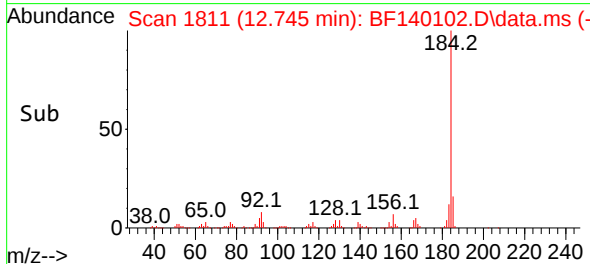
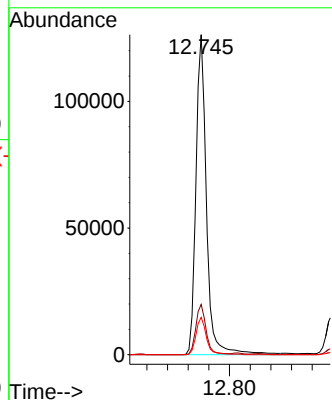
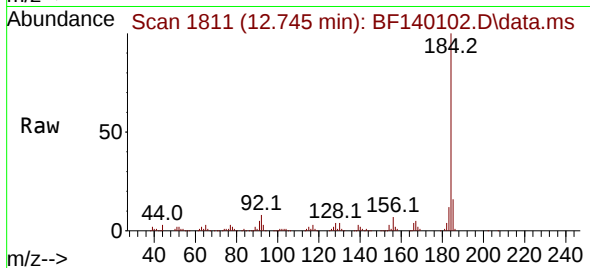




#77  
Benzidine  
Concen: 40.931 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

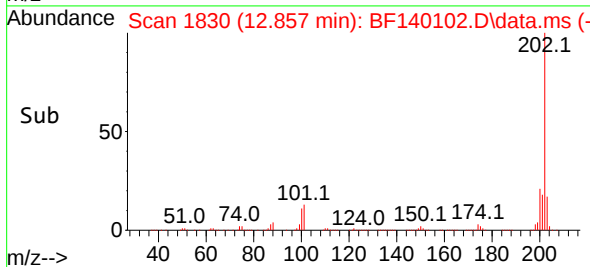
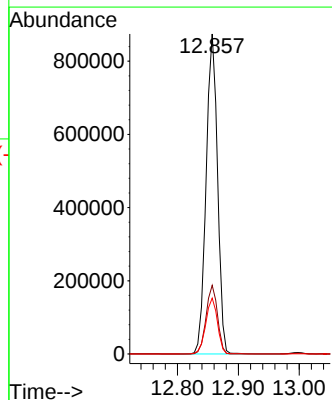
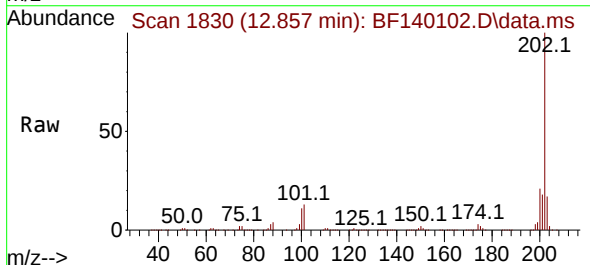
Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:184 Resp: 179073  
Ion Ratio Lower Upper  
184 100  
185 15.7 12.0 18.0  
183 11.6 9.4 14.2



#78  
Pyrene  
Concen: 48.846 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:202 Resp: 1137589  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.2 25.8  
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 100.457 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

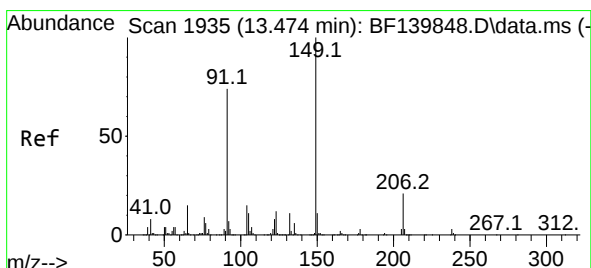
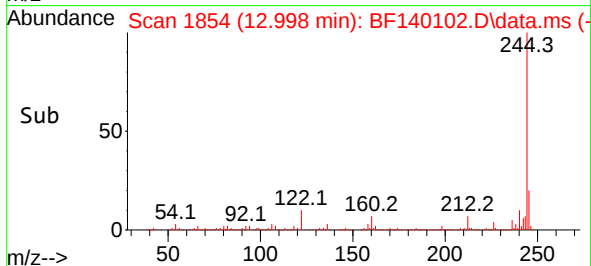
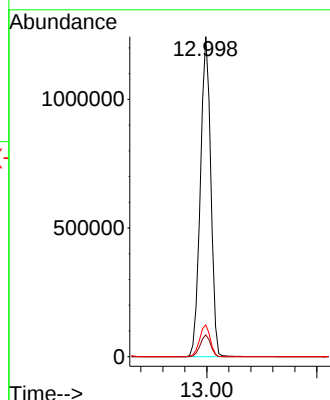
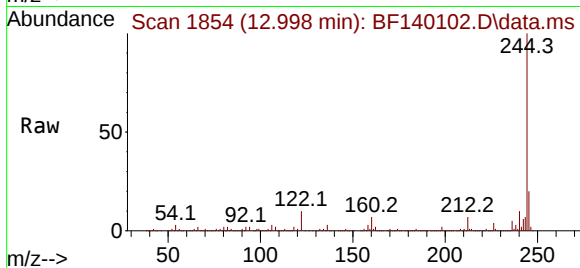
Tgt Ion:244 Resp: 1640280

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.0 8.6 13.0



#80

Butylbenzylphthalate

Concen: 57.681 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

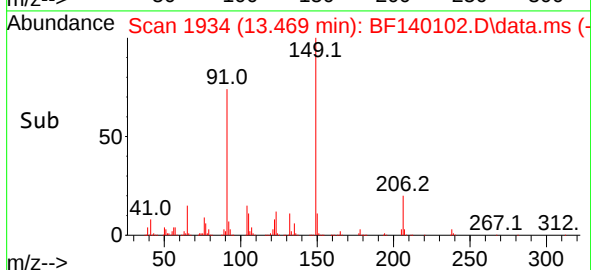
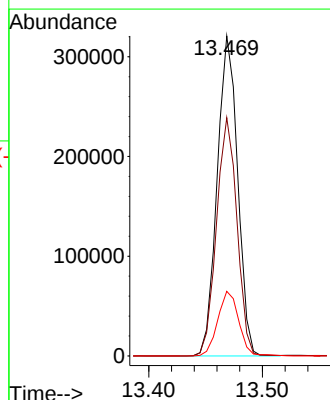
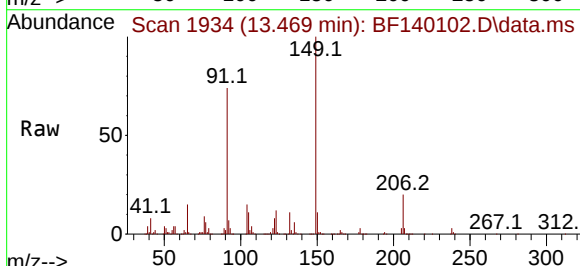
Tgt Ion:149 Resp: 402746

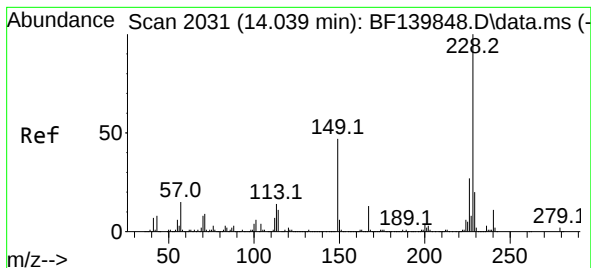
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.2 16.4 24.6





#81

Benzo(a)anthracene

Concen: 48.581 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

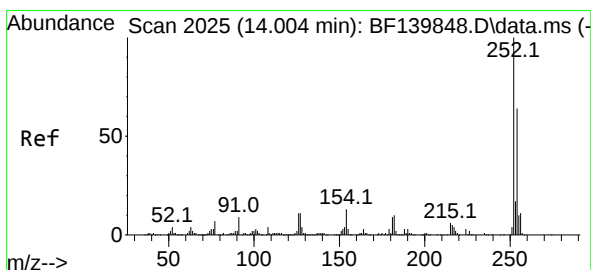
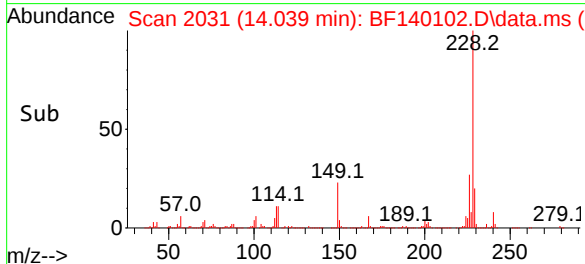
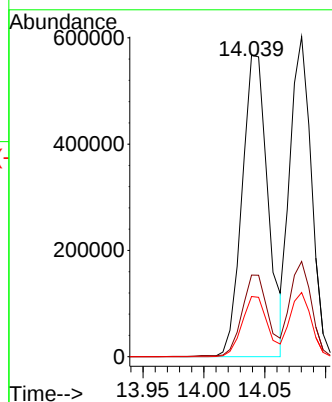
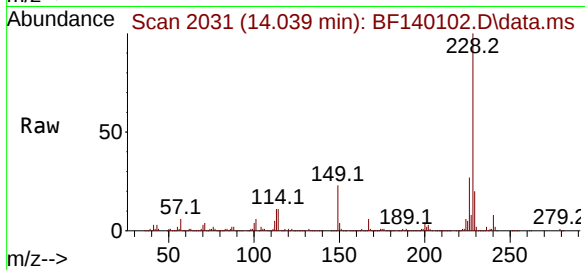
Tgt Ion:228 Resp: 841427

Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

229 20.0 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 31.125 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

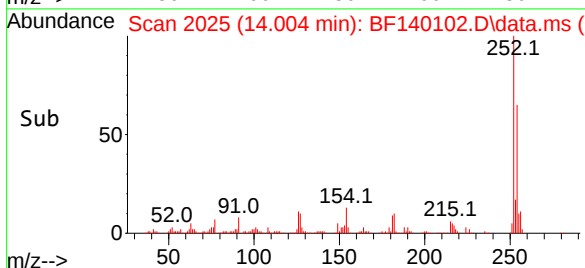
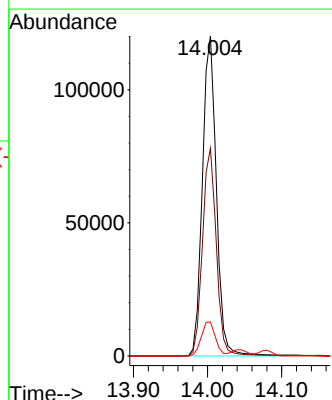
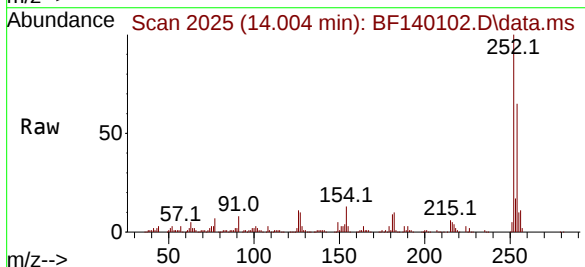
Tgt Ion:252 Resp: 157179

Ion Ratio Lower Upper

252 100

254 64.9 50.8 76.2

126 10.6 8.9 13.3





#83

Chrysene

Concen: 46.254 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

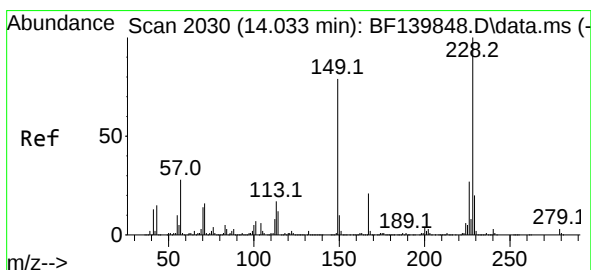
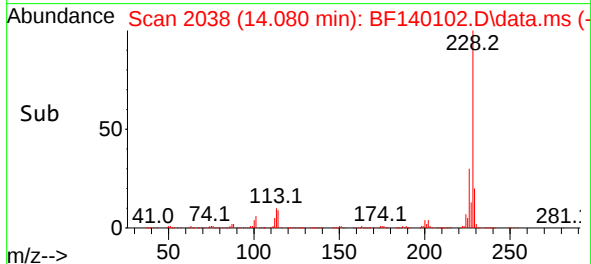
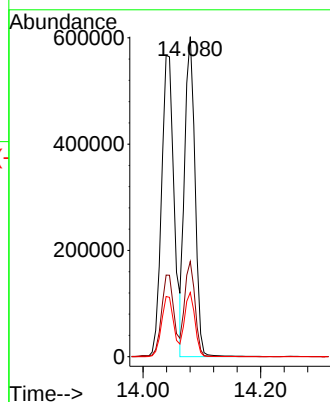
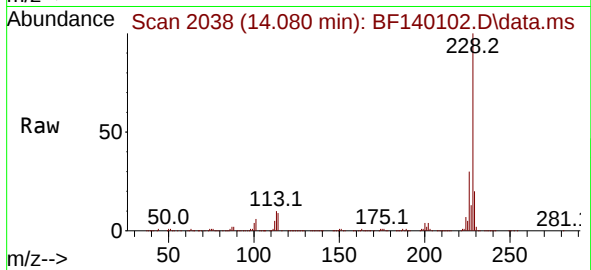
Tgt Ion:228 Resp: 734528

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 20.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.963 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

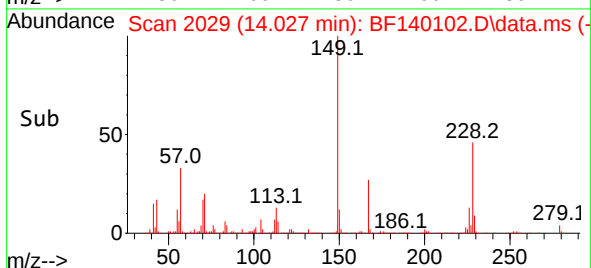
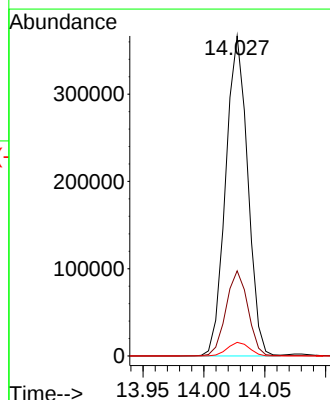
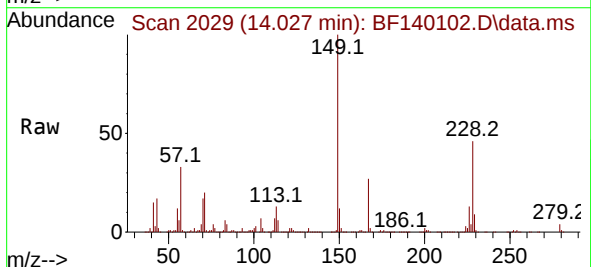
Tgt Ion:149 Resp: 461897

Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 45.664 ng

RT: 14.639 min Scan# 2135

Delta R.T. -0.012 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

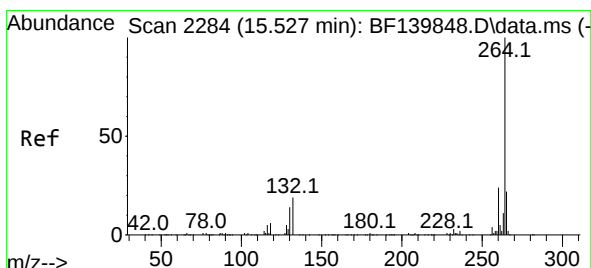
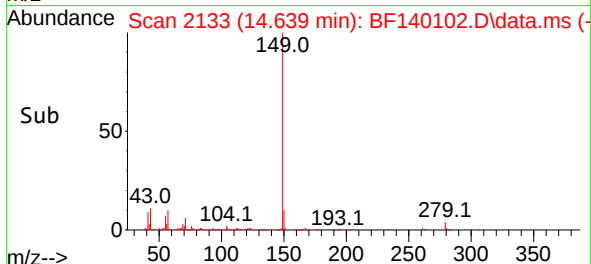
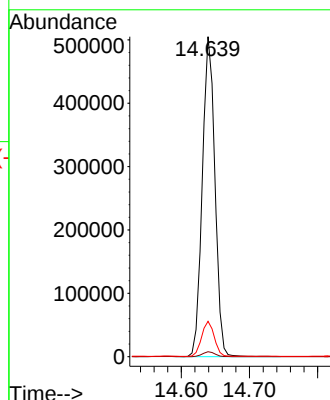
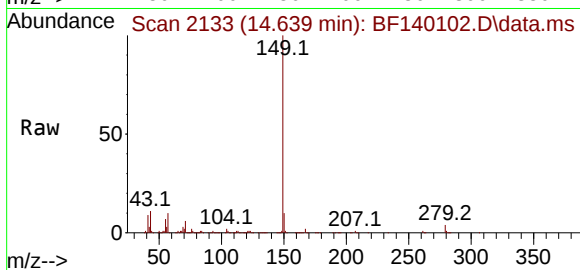
Tgt Ion:149 Resp: 650652

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.9 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

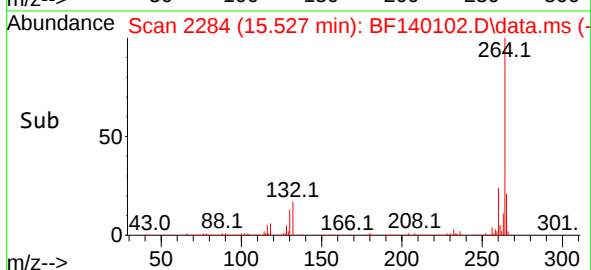
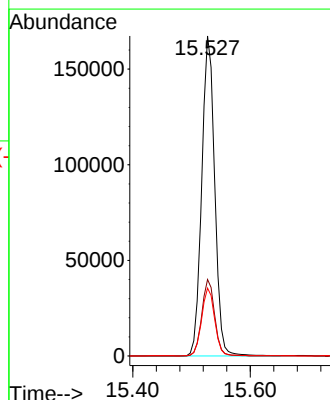
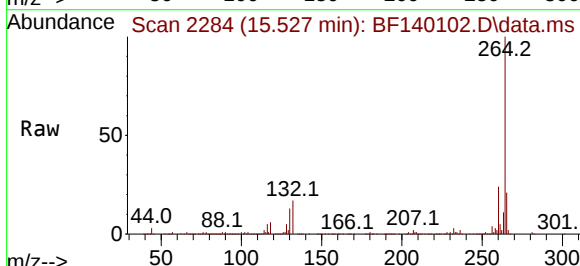
Tgt Ion:264 Resp: 256361

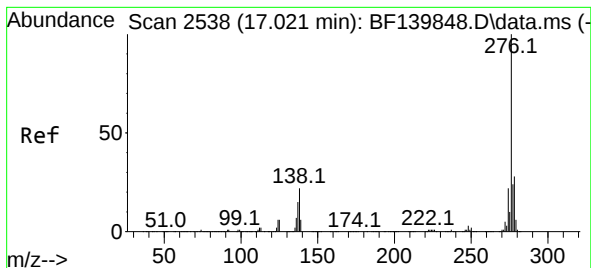
Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.447 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

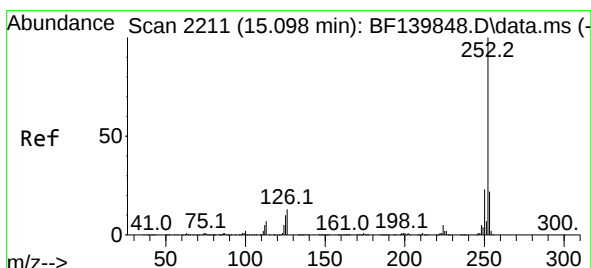
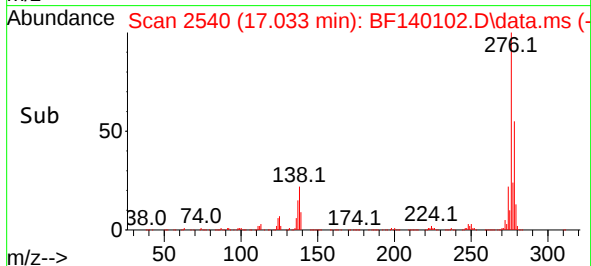
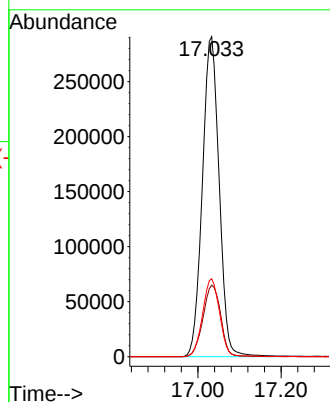
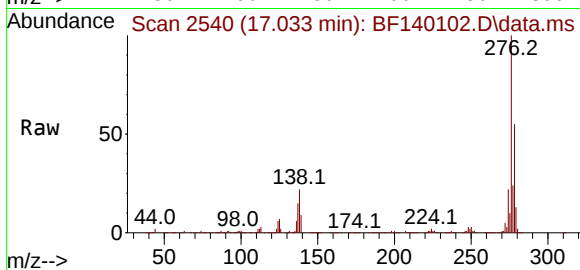
Tgt Ion:276 Resp: 815498

Ion Ratio Lower Upper

276 100

138 23.7 20.4 30.6

277 24.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 44.675 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

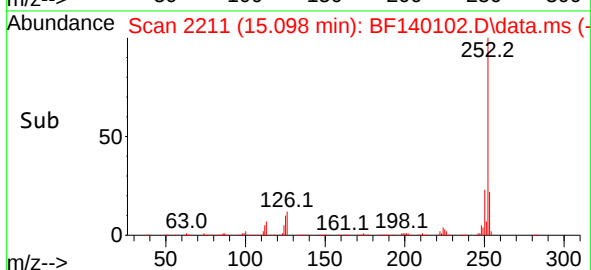
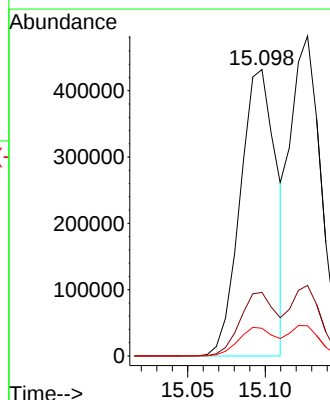
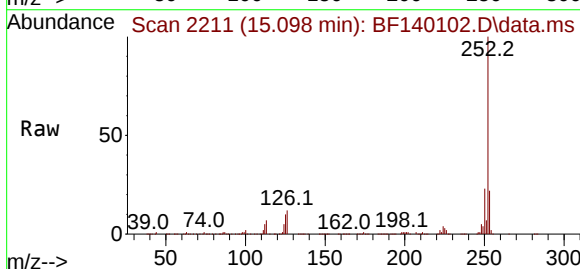
Tgt Ion:252 Resp: 697670

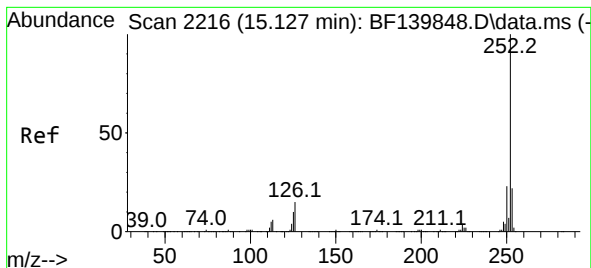
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 48.712 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

Instrument :

BNA\_F

ClientSampleId :

PB164461BS

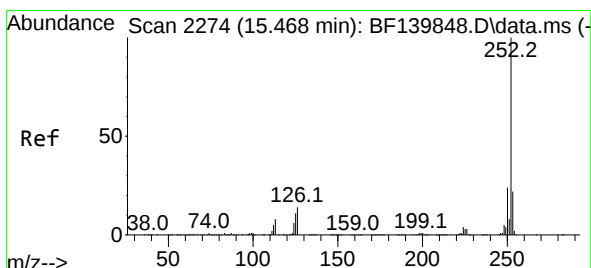
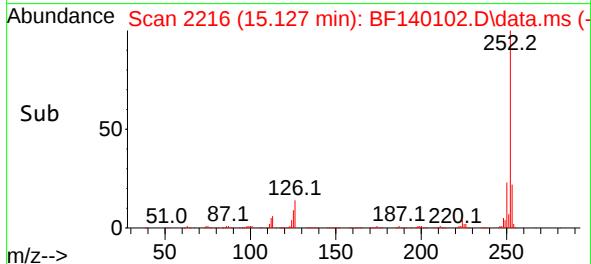
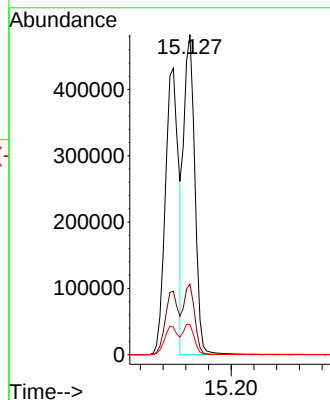
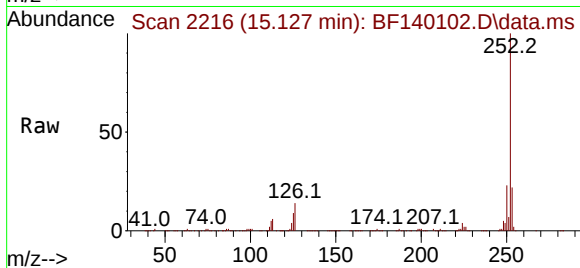
Tgt Ion:252 Resp: 656050

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 9.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 50.469 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140102.D

Acq: 29 Oct 2024 10:33

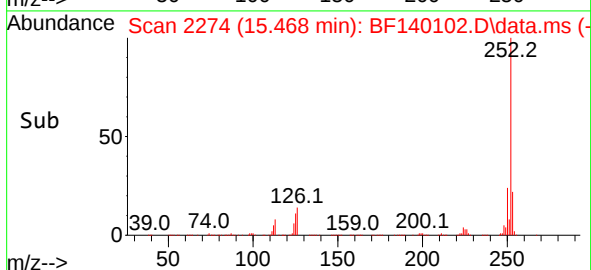
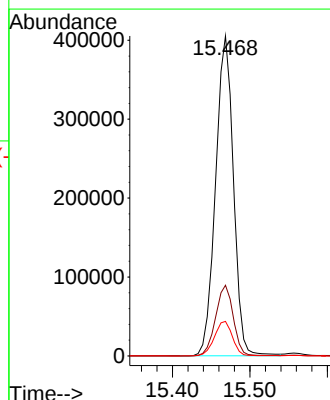
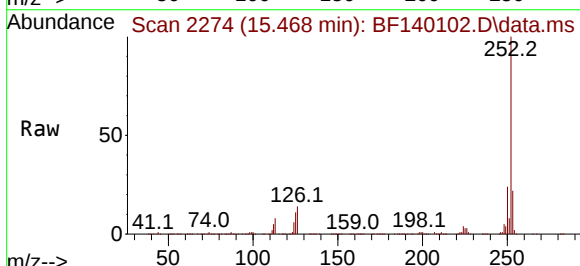
Tgt Ion:252 Resp: 648512

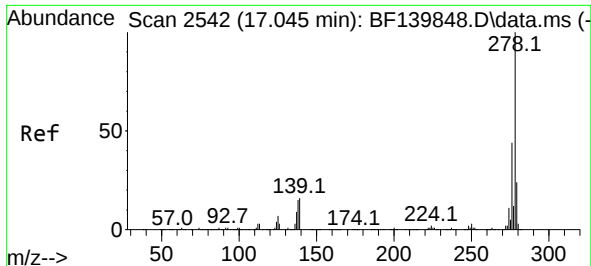
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 10.8 8.7 13.1

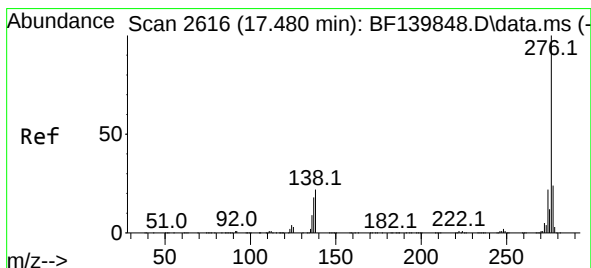
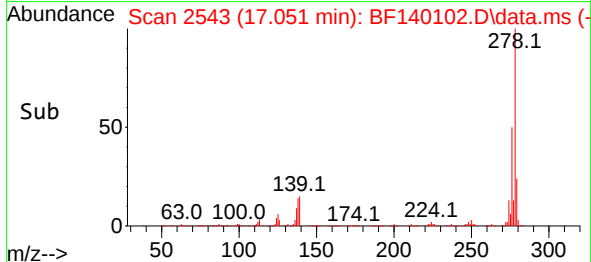
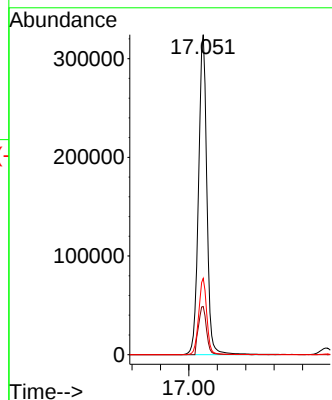
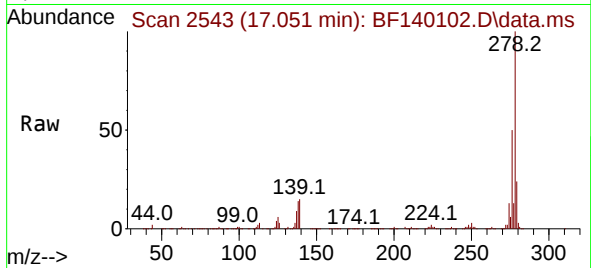




#91  
Dibenzo(a,h)anthracene  
Concen: 48.147 ng  
RT: 17.051 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164461BS

Tgt Ion:278 Resp: 662425  
Ion Ratio Lower Upper  
278 100  
139 15.1 13.1 19.7  
279 23.8 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 45.626 ng  
RT: 17.486 min Scan# 2617  
Delta R.T. 0.006 min  
Lab File: BF140102.D  
Acq: 29 Oct 2024 10:33

Tgt Ion:276 Resp: 627022  
Ion Ratio Lower Upper  
276 100  
277 23.3 19.0 28.6  
138 20.7 17.4 26.0

