

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072224\  
 Data File : BF138604.D  
 Acq On : 22 Jul 2024 13:10  
 Operator : RC/JU  
 Sample : PB162114BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162114BS

Quant Time: Jul 22 13:31:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 90763    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 379409   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 207012   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 366247   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 229312   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.486 | 264  | 232363   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 743989   | 129.821 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 986750   | 129.431 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 651020   | 84.246  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 245924   | 127.110 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 1071737  | 80.914  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.969 | 244  | 1184213  | 84.131  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 99981    | 39.391  | ng    | 98       |
| 3) Pyridine                   | 3.481  | 79   | 265432   | 42.406  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 189711   | 46.559  | ng    | 89       |
| 6) Aniline                    | 6.522  | 93   | 259143   | 36.291  | ng    | # 28     |
| 8) 2-Chlorophenol             | 6.651  | 128  | 300999   | 49.671  | ng    | 99       |
| 9) Benzaldehyde               | 6.410  | 77   | 25566    | 6.265   | ng    | 98       |
| 10) Phenol                    | 6.516  | 94   | 384606   | 47.528  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.598  | 93   | 298426   | 48.981  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 303081   | 44.495  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.881  | 146  | 310559   | 44.898  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 298458   | 46.328  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 278411   | 48.661  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 542894   | 45.312  | ng    | 85       |
| 17) 2-Methylphenol            | 7.122  | 107  | 239475   | 48.219  | ng    | # 91     |
| 18) Hexachloroethane          | 7.369  | 117  | 117537   | 46.223  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 227010   | 48.190  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 296574   | 47.422  | ng    | # 90     |
| 22) Acetophenone              | 7.269  | 105  | 380700   | 41.314  | ng    | 98       |
| 24) Nitrobenzene              | 7.445  | 77   | 348230   | 44.344  | ng    | 98       |
| 25) Isophorone                | 7.681  | 82   | 620061   | 46.724  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 161699   | 48.042  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 219840   | 53.143  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 365558   | 46.092  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 241593   | 44.973  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 256568   | 40.999  | ng    | 98       |
| 31) Naphthalene               | 8.163  | 128  | 872906   | 44.237  | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 136142   | 34.506  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.216  | 127  | 154936   | 22.378  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.275  | 225  | 148524   | 38.542  | ng    | 99       |
| 35) Caprolactam               | 8.592  | 113  | 45054    | 25.991  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 279036   | 46.397  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.857  | 142  | 552701   | 43.526  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 517528   | 41.760  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 230358   | 39.927  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 211337   | 112.852 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 160696   | 43.664  | ng    | 98       |

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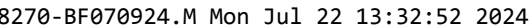
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162114BS

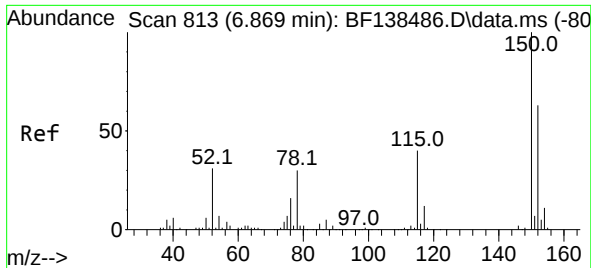
Quant Time: Jul 22 13:31:44 2024  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 170048   | 42.009 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 653525   | 41.657 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 521474   | 43.999 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.445  | 65   | 198388   | 48.305 | ng    | 98       |
| 49) Acenaphthylene            | 9.763  | 152  | 825206   | 49.041 | ng    | 100      |
| 50) Dimethylphthalate         | 9.622  | 163  | 612947   | 45.791 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 137096   | 44.482 | ng    | 90       |
| 52) Acenaphthene              | 9.933  | 154  | 515922   | 46.126 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.857  | 138  | 93234    | 29.515 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 129604   | 78.449 | ng    | 93       |
| 55) Dibenzofuran              | 10.104 | 168  | 734256   | 45.258 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 208994   | 89.666 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 187613   | 47.047 | ng    | 96       |
| 58) Fluorene                  | 10.451 | 166  | 583077   | 45.422 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 143348   | 44.872 | ng    | 97       |
| 60) Diethylphthalate          | 10.322 | 149  | 590367   | 45.749 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 275245   | 42.700 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 142620   | 45.055 | ng    | 97       |
| 63) Azobenzene                | 10.598 | 77   | 663698   | 47.838 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 104630   | 49.476 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 511561   | 46.620 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.927 | 248  | 166342   | 44.189 | ng    | 100      |
| 68) Hexachlorobenzene         | 10.992 | 284  | 183397   | 43.855 | ng    | 99       |
| 69) Atrazine                  | 11.086 | 200  | 157362   | 43.254 | ng    | 98       |
| 70) Pentachlorophenol         | 11.192 | 266  | 190373   | 76.933 | ng    | 97       |
| 71) Phenanthrene              | 11.410 | 178  | 861335   | 46.551 | ng    | 100      |
| 72) Anthracene                | 11.463 | 178  | 874797   | 47.628 | ng    | 100      |
| 73) Carbazole                 | 11.616 | 167  | 771264   | 46.726 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 918029   | 48.251 | ng    | 100      |
| 75) Fluoranthene              | 12.598 | 202  | 878240   | 46.516 | ng    | 97       |
| 77) Benzidine                 | 12.716 | 184  | 161208   | 27.864 | ng    | 100      |
| 78) Pyrene                    | 12.827 | 202  | 897519   | 38.556 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 375598   | 53.637 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.010 | 228  | 766802   | 49.835 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 134065   | 33.814 | ng    | # 97     |
| 83) Chrysene                  | 14.051 | 228  | 659136   | 45.283 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 415918   | 55.691 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.604 | 149  | 486043   | 41.197 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 746350   | 47.819 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 506169   | 38.680 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 457913   | 35.879 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 474011   | 41.234 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.980 | 278  | 605978   | 47.463 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 453678   | 33.510 | ng    | 95       |

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

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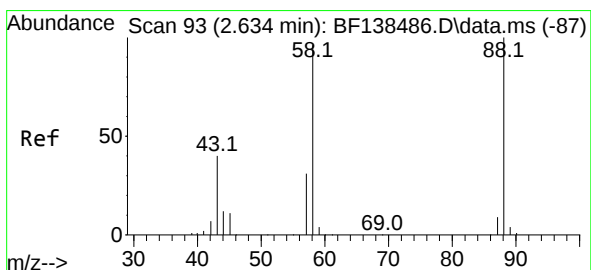
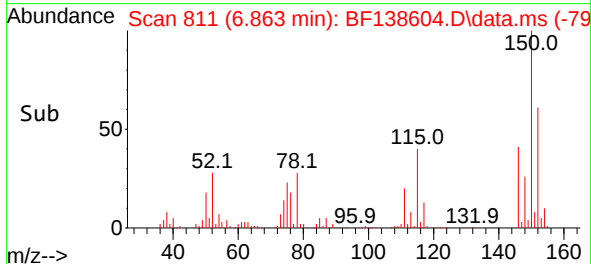
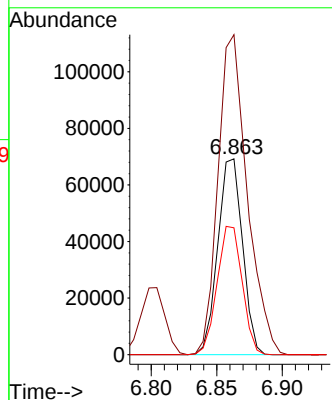
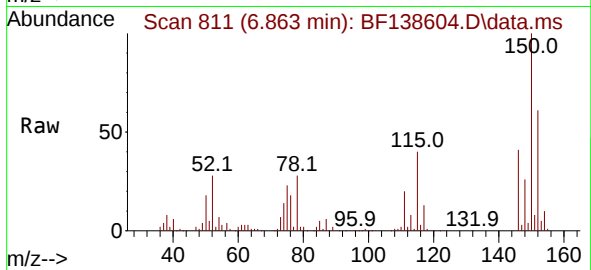




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

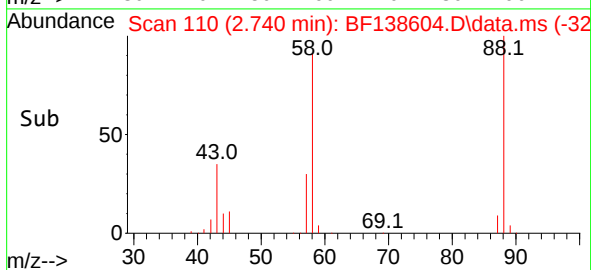
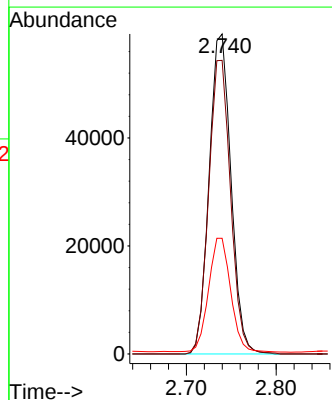
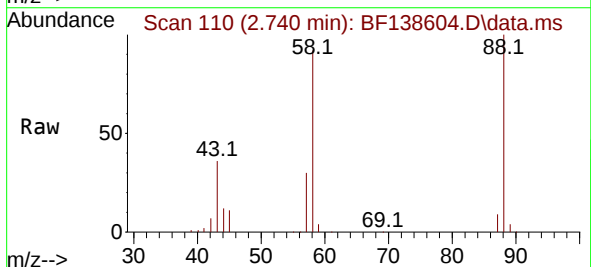
Instrument :  
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PB162114BS

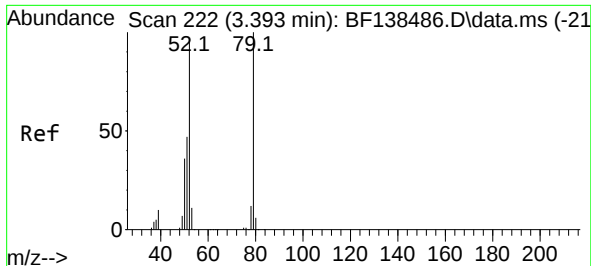
Tgt Ion:152 Resp: 90763  
Ion Ratio Lower Upper  
152 100  
150 163.4 126.2 189.4  
115 64.8 50.3 75.5



#2  
1,4-Dioxane  
Concen: 39.391 ng  
RT: 2.740 min Scan# 110  
Delta R.T. 0.106 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion: 88 Resp: 99981  
Ion Ratio Lower Upper  
88 100  
58 92.3 74.6 112.0  
43 36.2 31.8 47.6





#3

Pyridine

Concen: 42.406 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

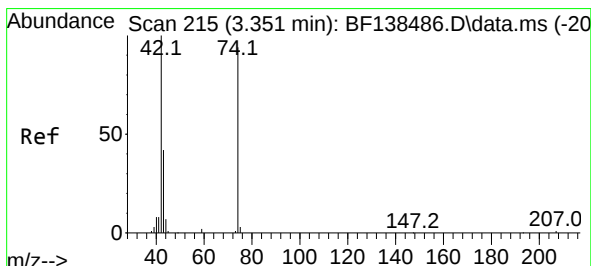
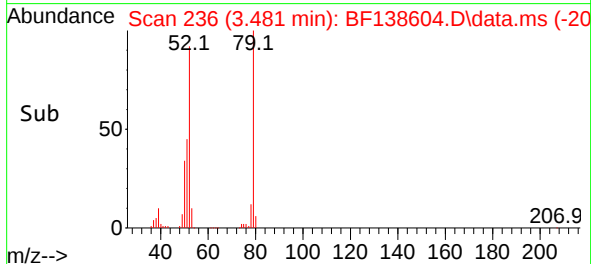
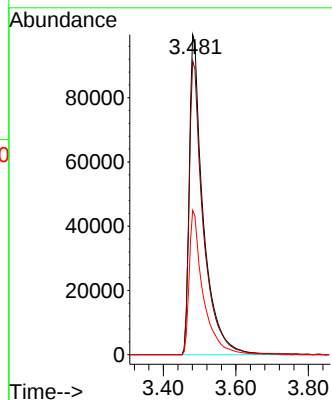
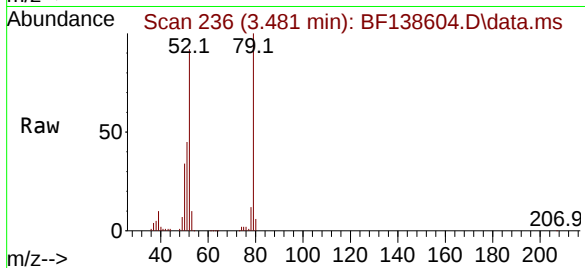
Tgt Ion: 79 Resp: 265432

Ion Ratio Lower Upper

79 100

52 91.7 77.4 116.2

51 45.1 37.4 56.0



#4

n-Nitrosodimethylamine

Concen: 46.559 ng

RT: 3.446 min Scan# 230

Delta R.T. 0.094 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

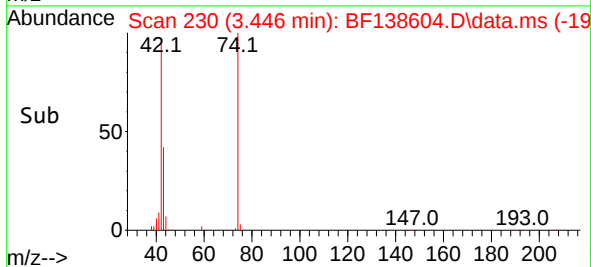
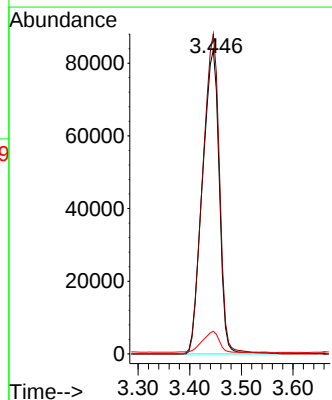
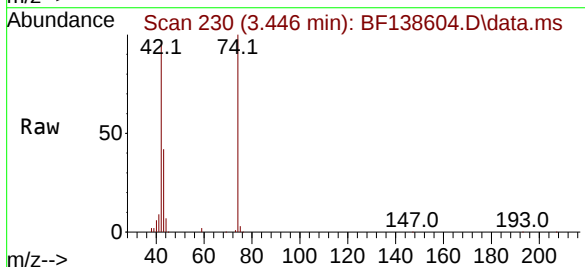
Tgt Ion: 42 Resp: 189711

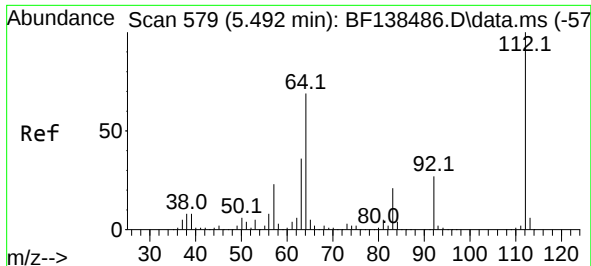
Ion Ratio Lower Upper

42 100

74 105.2 75.0 112.6

44 7.4 5.4 8.2

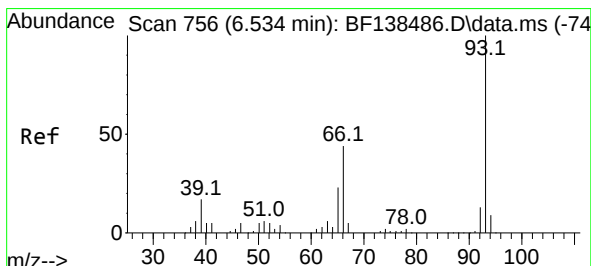
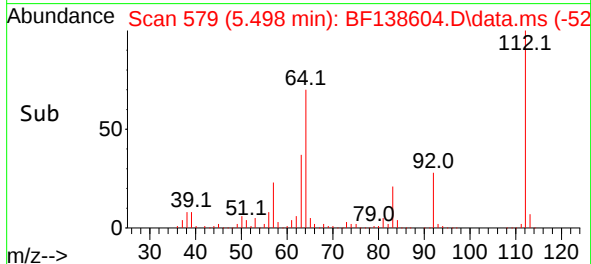
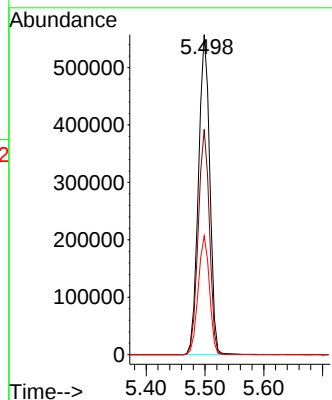
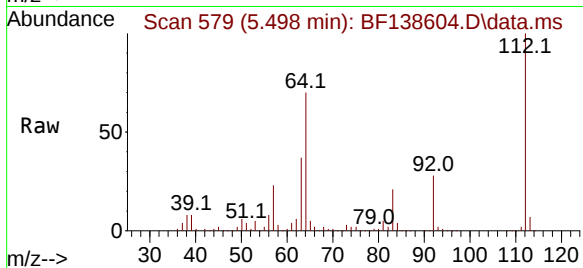




#5  
2-Fluorophenol  
Concen: 129.821 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

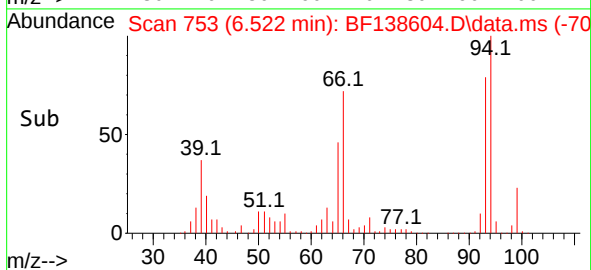
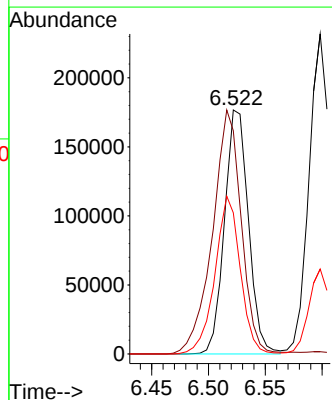
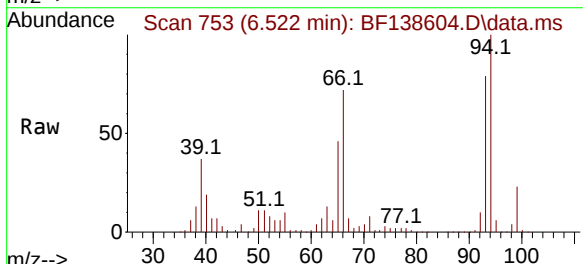
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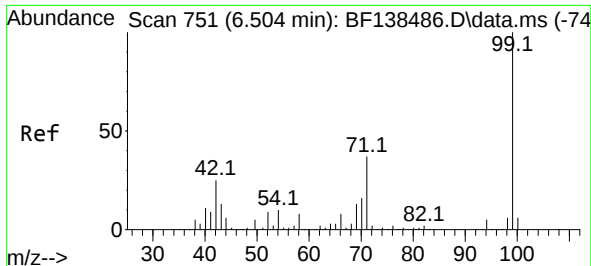
Tgt Ion:112 Resp: 743989  
Ion Ratio Lower Upper  
112 100  
64 70.4 55.1 82.7  
63 37.1 29.0 43.6



#6  
Aniline  
Concen: 36.291 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion: 93 Resp: 259143  
Ion Ratio Lower Upper  
93 100  
66 91.5 35.4 53.0#  
65 57.8 18.6 27.8#

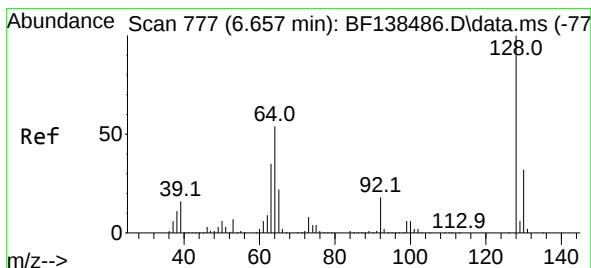
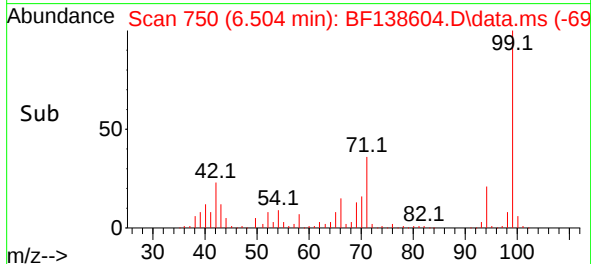
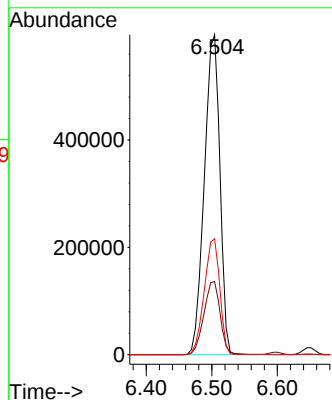
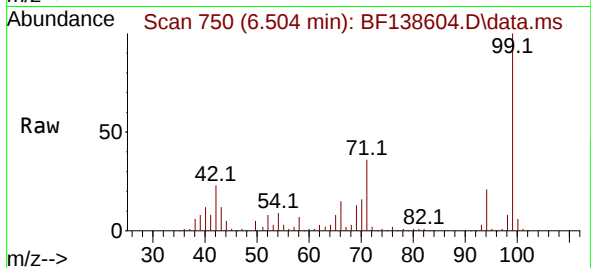




#7  
Phenol-d6  
Concen: 129.431 ng  
RT: 6.504 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

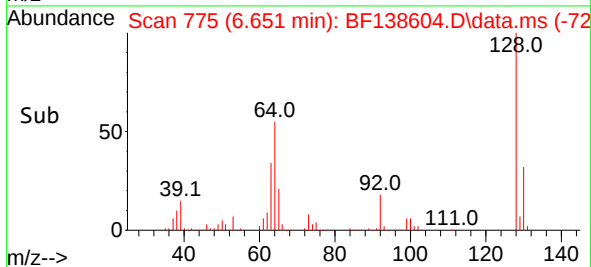
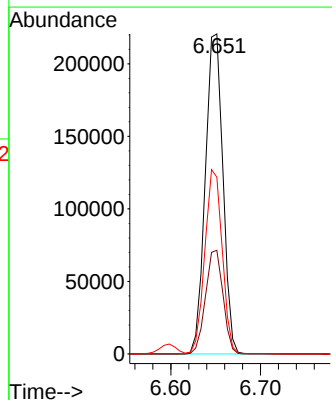
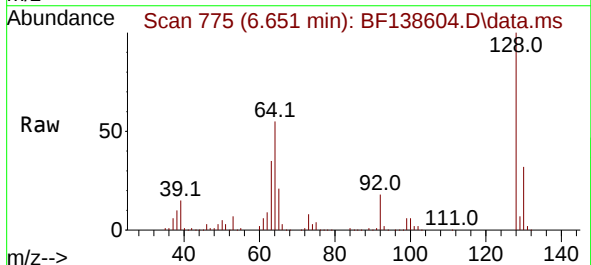
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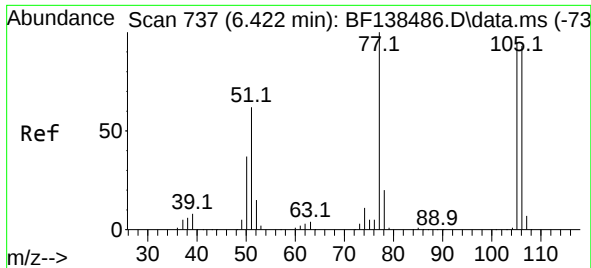
Tgt Ion: 99 Resp: 986750  
Ion Ratio Lower Upper  
99 100  
42 22.8 19.7 29.5  
71 36.2 29.9 44.9



#8  
2-Chlorophenol  
Concen: 49.671 ng  
RT: 6.651 min Scan# 775  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:128 Resp: 300999  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.1 52.1  
64 55.3 34.4 74.4





#9

Benzaldehyde

Concen: 6.265 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

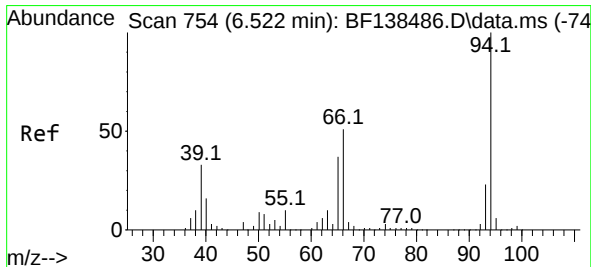
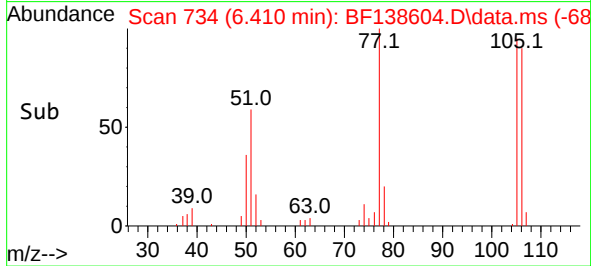
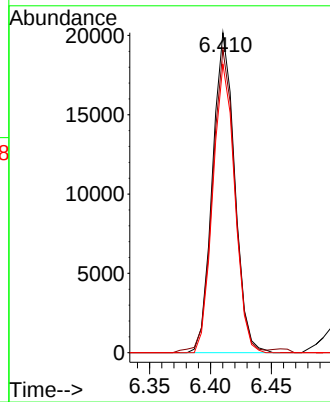
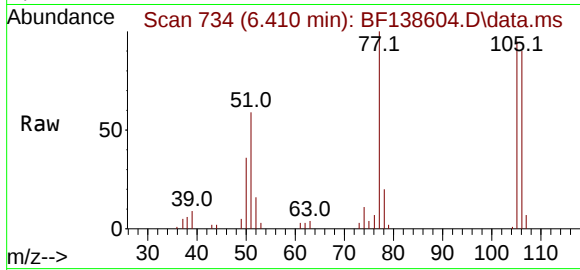
Tgt Ion: 77 Resp: 25566

Ion Ratio Lower Upper

77 100

105 94.7 75.1 115.1

106 90.2 73.2 113.2



#10

Phenol

Concen: 47.528 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

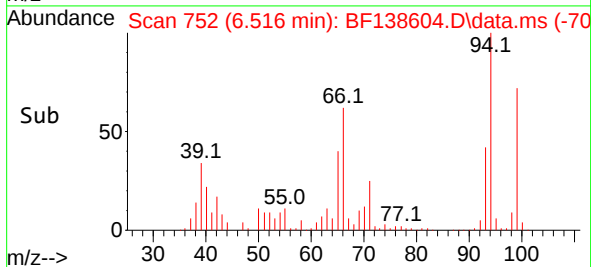
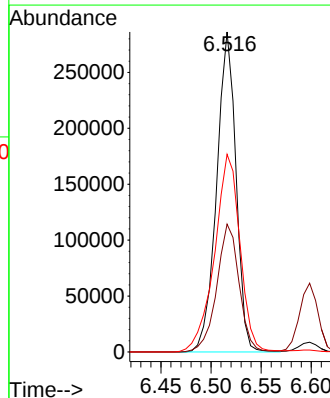
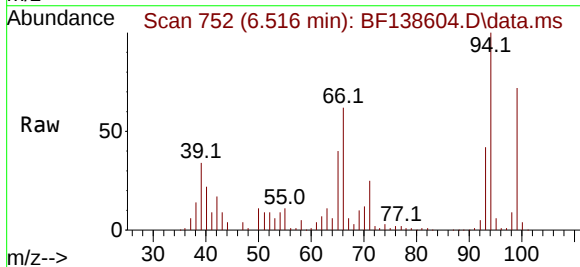
Tgt Ion: 94 Resp: 384606

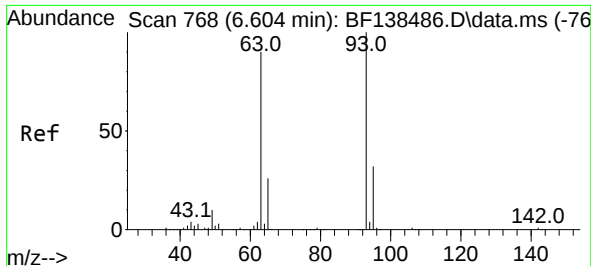
Ion Ratio Lower Upper

94 100

65 40.0 16.7 56.7

66 61.8 31.2 71.2

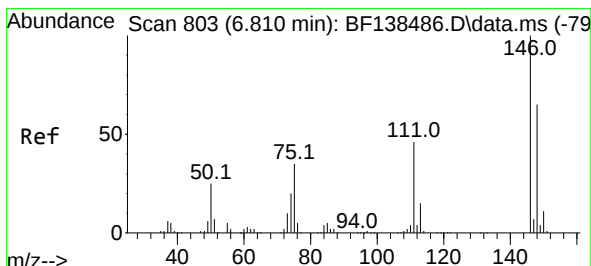
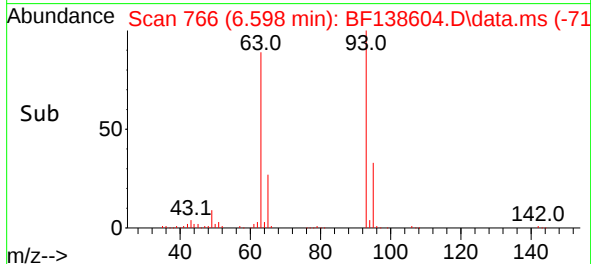
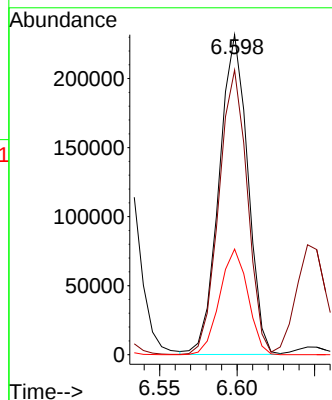
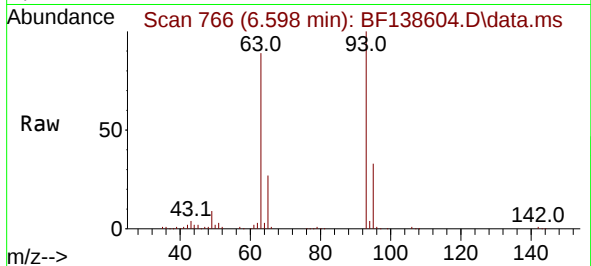




#11  
bis(2-Chloroethyl)ether  
Concen: 48.981 ng  
RT: 6.598 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

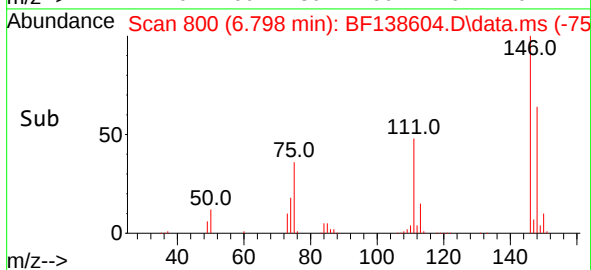
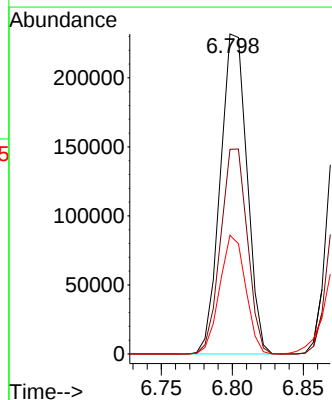
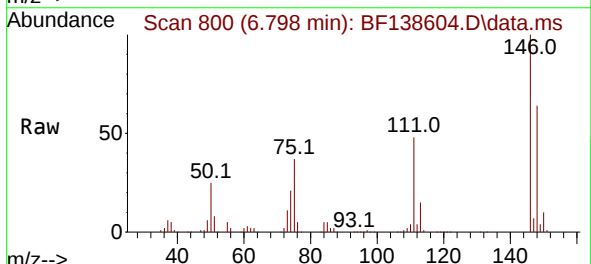
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

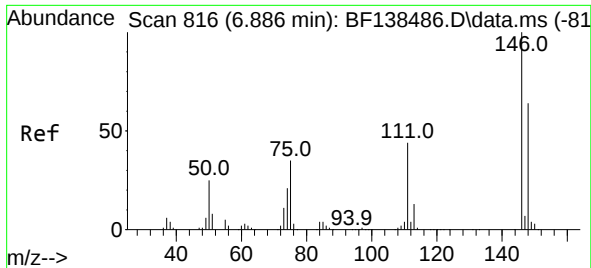
Tgt Ion: 93 Resp: 298426  
Ion Ratio Lower Upper  
93 100  
63 88.9 68.8 108.8  
95 33.0 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 44.495 ng  
RT: 6.798 min Scan# 800  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion: 146 Resp: 303081  
Ion Ratio Lower Upper  
146 100  
148 64.0 52.4 78.6  
75 37.1 27.8 41.8

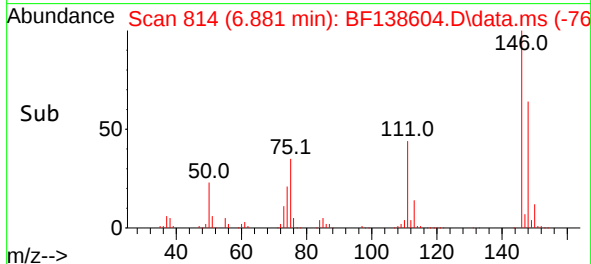
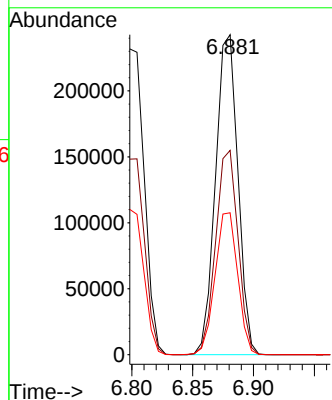
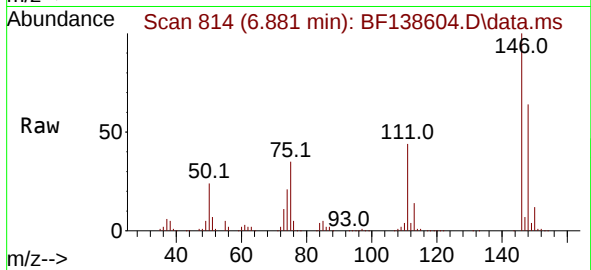




#13  
1,4-Dichlorobenzene  
Concen: 44.898 ng  
RT: 6.881 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

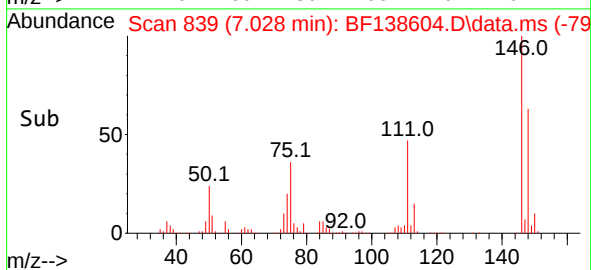
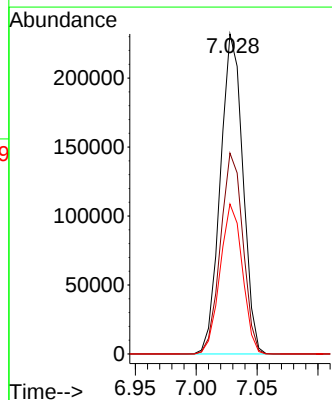
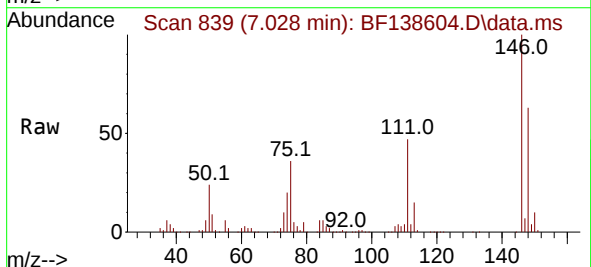
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:146 Resp: 310559  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.6 77.4  
111 44.3 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 46.328 ng  
RT: 7.028 min Scan# 839  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:146 Resp: 298458  
Ion Ratio Lower Upper  
146 100  
148 62.7 50.1 75.1  
111 46.9 35.5 53.3





#15

Benzyl Alcohol

Concen: 48.661 ng

RT: 7.004 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

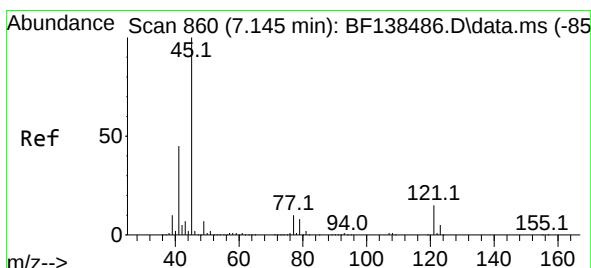
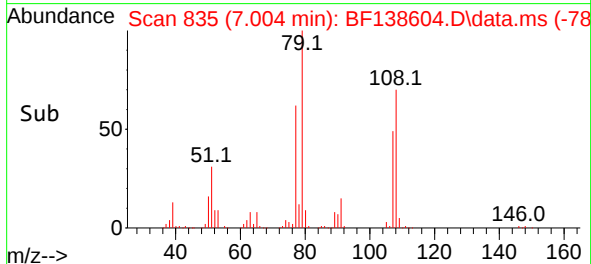
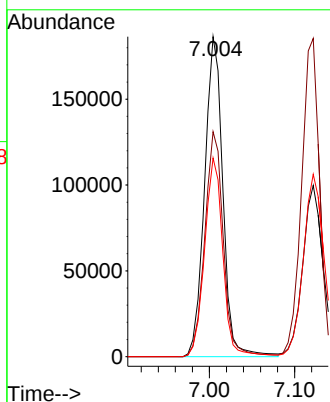
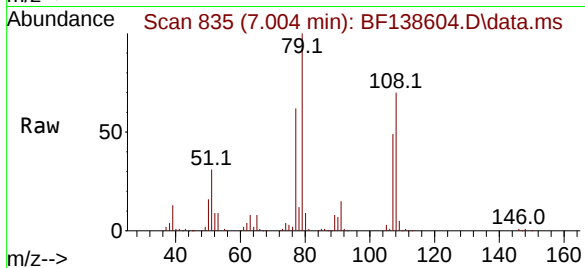
Tgt Ion: 79 Resp: 278411

Ion Ratio Lower Upper

79 100

108 70.3 54.3 81.5

77 62.1 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.312 ng

RT: 7.134 min Scan# 857

Delta R.T. -0.012 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

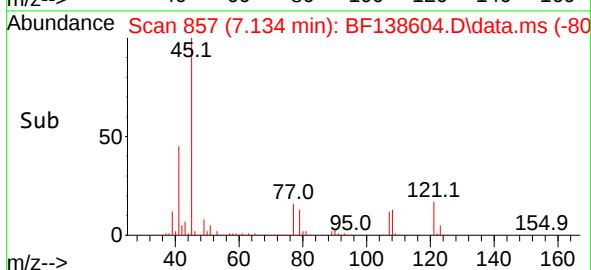
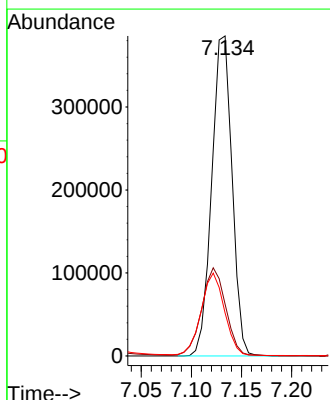
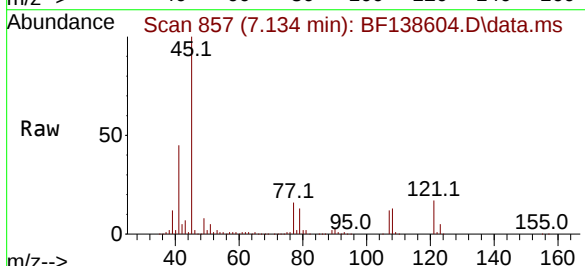
Tgt Ion: 45 Resp: 542894

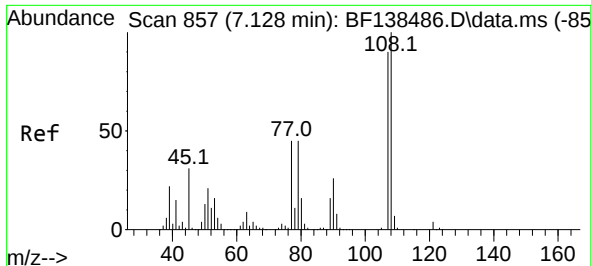
Ion Ratio Lower Upper

45 100

77 16.2 0.0 30.4

79 13.4 0.0 28.1

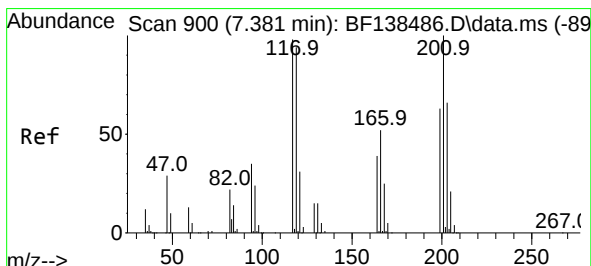
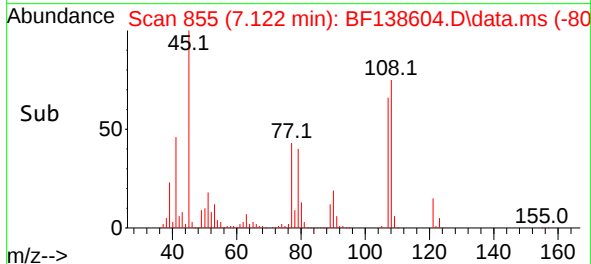
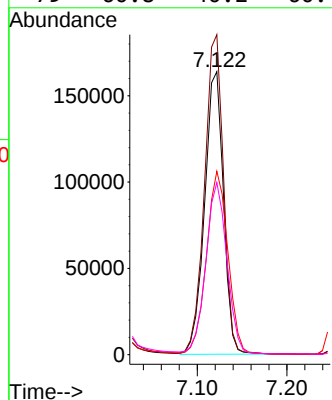
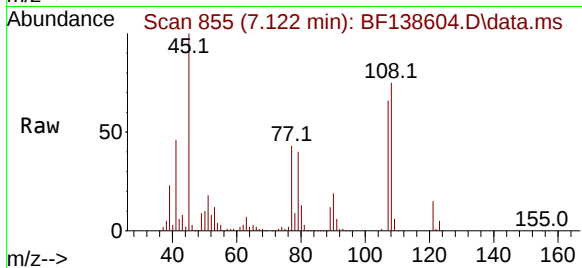




#17  
2-Methylphenol  
Concen: 48.219 ng  
RT: 7.122 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

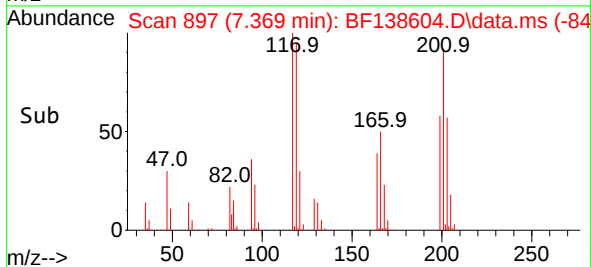
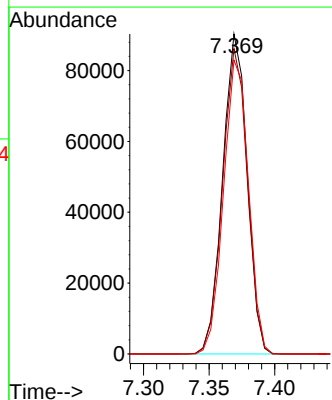
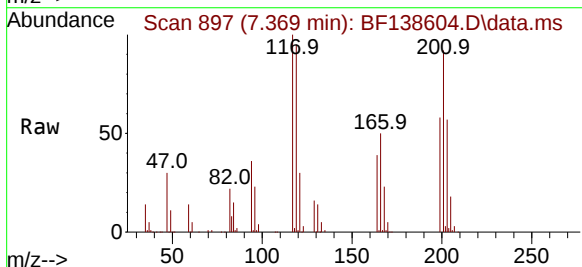
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:107 Resp: 239475  
Ion Ratio Lower Upper  
107 100  
108 113.0 89.0 133.4  
77 64.8 40.3 60.5#  
79 60.8 40.2 60.4#



#18  
Hexachloroethane  
Concen: 46.223 ng  
RT: 7.369 min Scan# 897  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:117 Resp: 117537  
Ion Ratio Lower Upper  
117 100  
119 95.4 76.6 114.8  
201 91.8 81.4 122.0



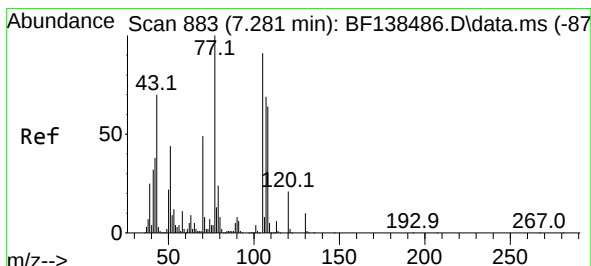
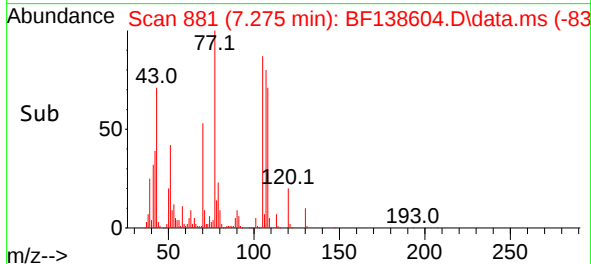
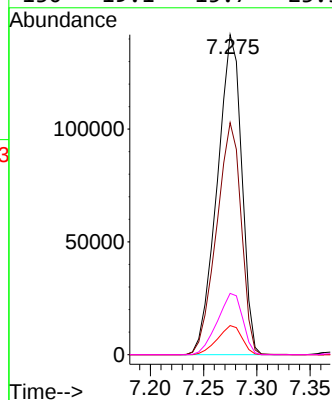
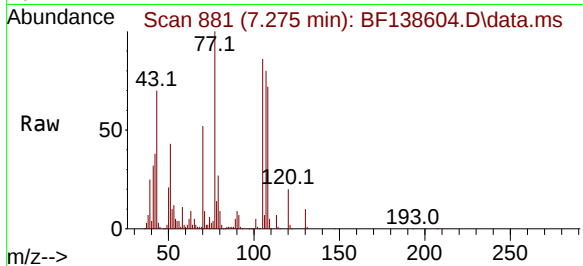


#19  
n-Nitroso-di-n-propylamine  
Concen: 48.190 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion: 70 Resp: 227010

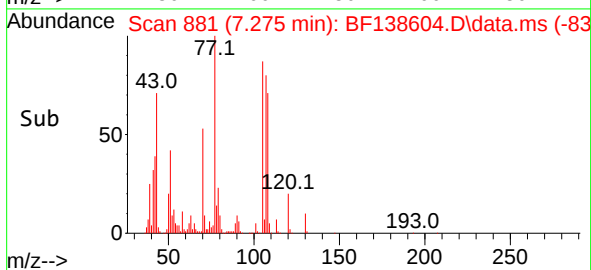
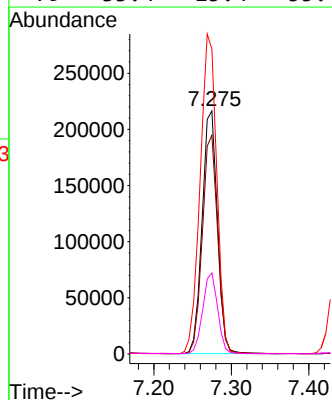
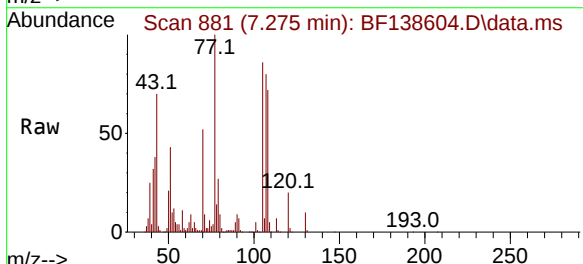
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 72.5  | 62.4  | 93.6  |
| 101 | 9.1   | 7.2   | 10.8  |
| 130 | 19.1  | 15.7  | 23.5  |

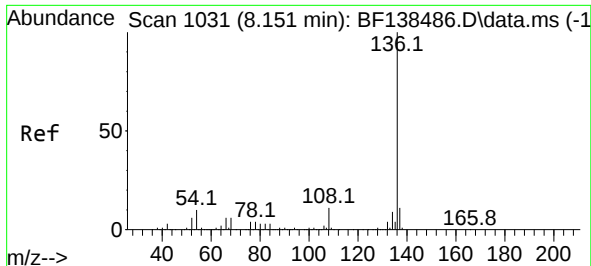


#20  
3+4-Methylphenols  
Concen: 47.422 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion: 107 Resp: 296574

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 90.1  | 73.7  | 113.7  |
| 77  | 125.5 | 126.0 | 166.0# |
| 79  | 33.4  | 15.4  | 55.4   |

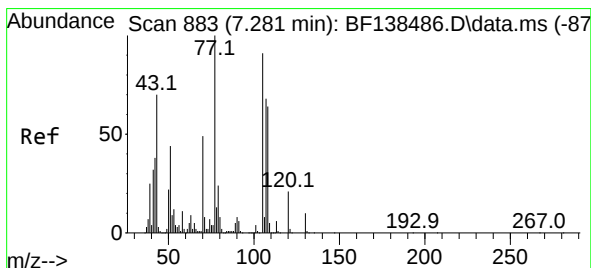
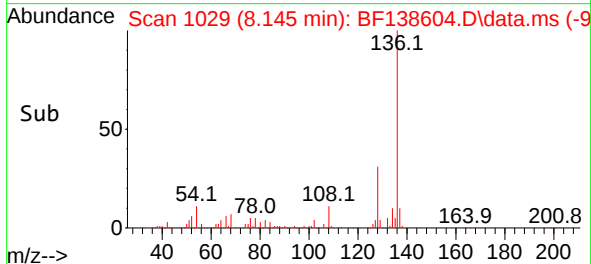
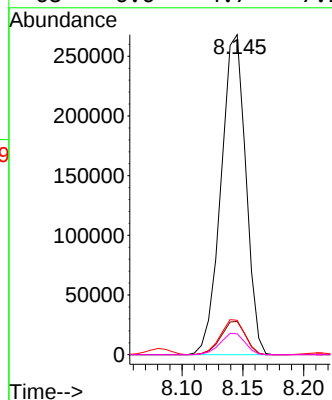
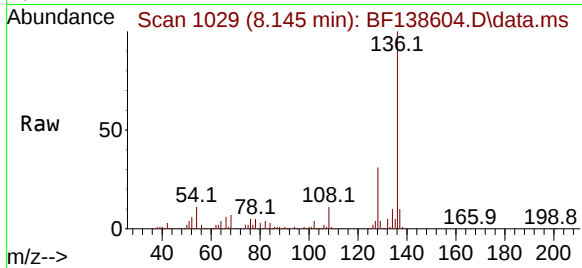




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

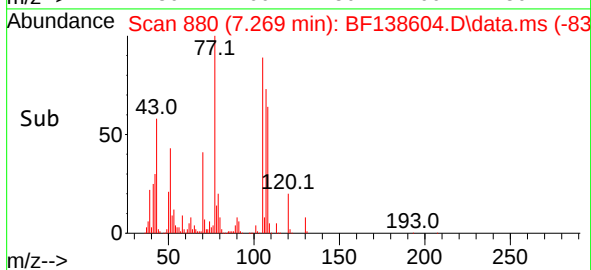
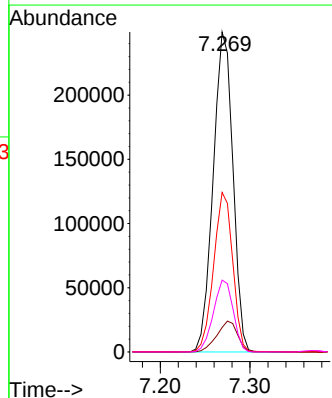
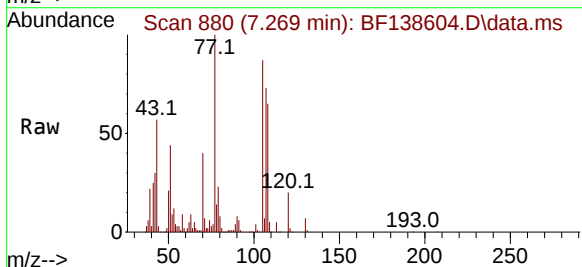
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:136 Resp: 379409  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.5 12.7  
54 10.8 8.1 12.1  
68 6.6 4.7 7.1



#22  
Acetophenone  
Concen: 41.314 ng  
RT: 7.269 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:105 Resp: 380700  
Ion Ratio Lower Upper  
105 100  
71 7.6 7.4 11.2  
51 49.9 38.7 58.1  
120 22.5 18.2 27.2





#23

Nitrobenzene-d5

Concen: 84.246 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

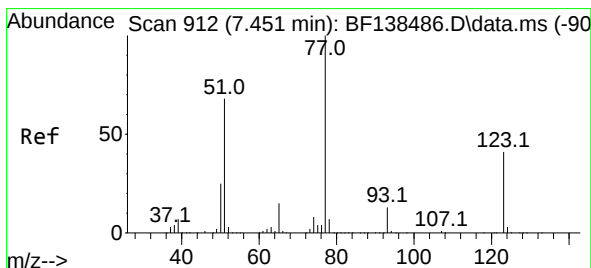
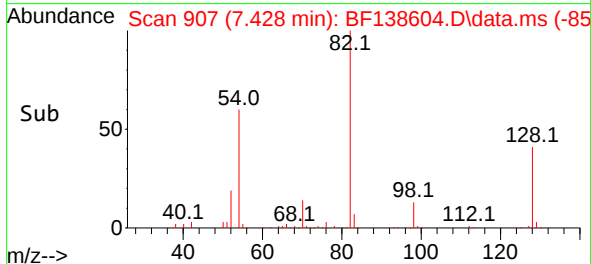
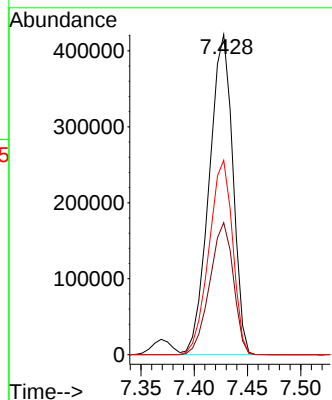
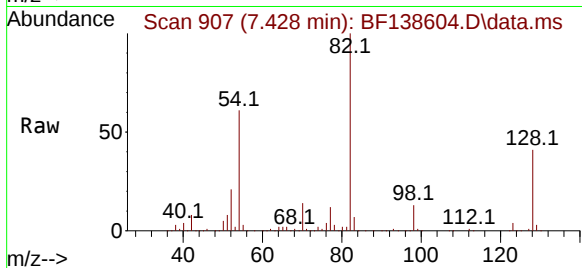
Tgt Ion: 82 Resp: 651020

Ion Ratio Lower Upper

82 100

128 41.2 32.3 48.5

54 60.8 51.4 77.0



#24

Nitrobenzene

Concen: 44.344 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

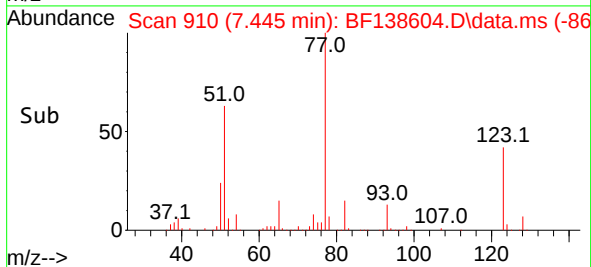
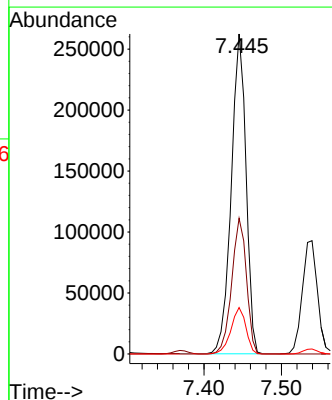
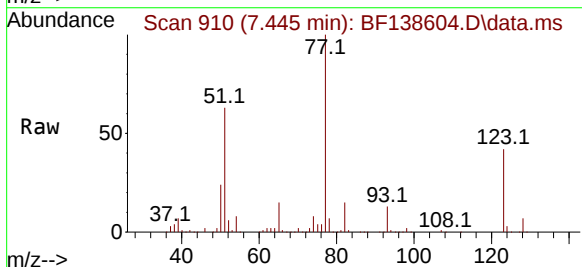
Tgt Ion: 77 Resp: 348230

Ion Ratio Lower Upper

77 100

123 42.4 32.4 48.6

65 14.5 11.8 17.8

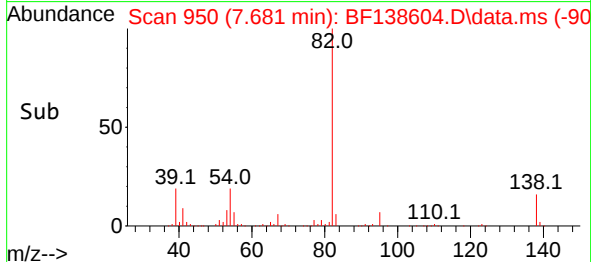
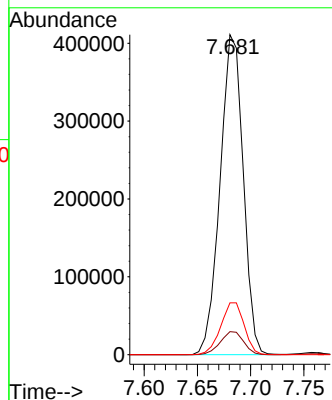
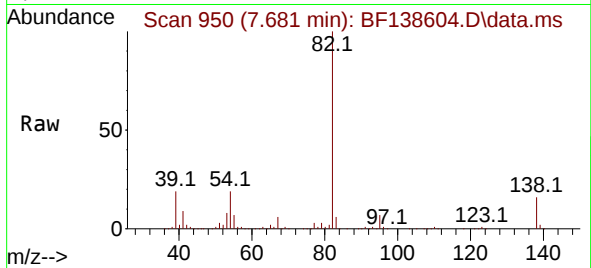




#25  
Isophorone  
Concen: 46.724 ng  
RT: 7.681 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

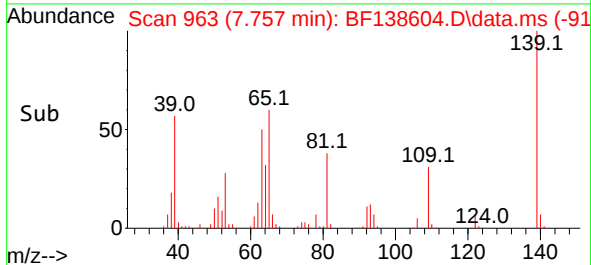
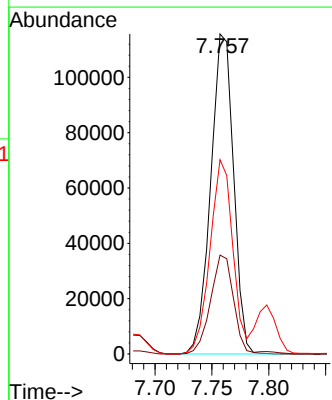
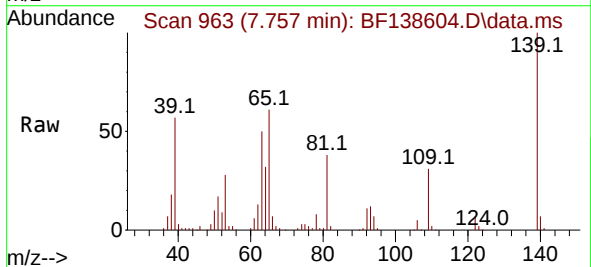
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

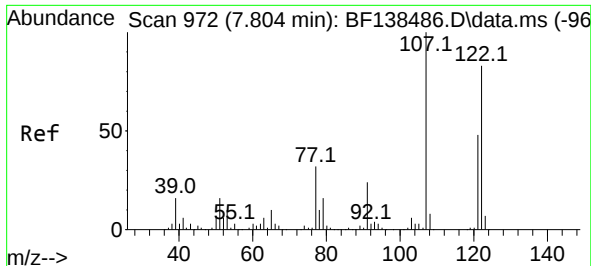
Tgt Ion: 82 Resp: 620061  
Ion Ratio Lower Upper  
82 100  
95 7.2 6.0 9.0  
138 16.2 12.8 19.2



#26  
2-Nitrophenol  
Concen: 48.042 ng  
RT: 7.757 min Scan# 963  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:139 Resp: 161699  
Ion Ratio Lower Upper  
139 100  
109 30.9 24.8 37.2  
65 60.7 45.1 67.7

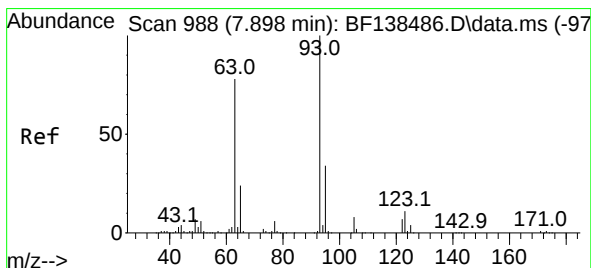
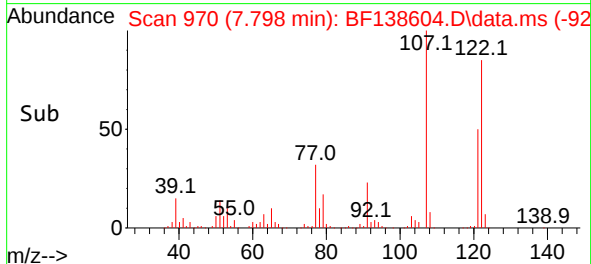
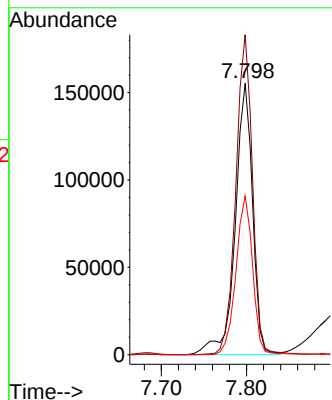
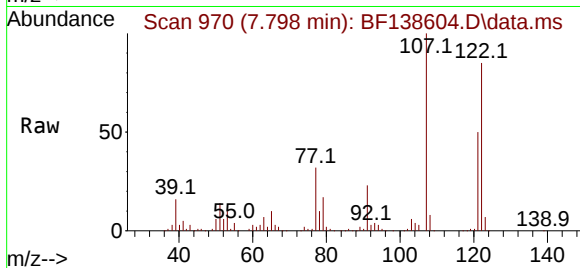




#27  
2,4-Dimethylphenol  
Concen: 53.143 ng  
RT: 7.798 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

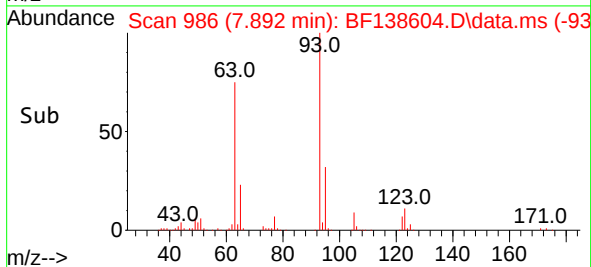
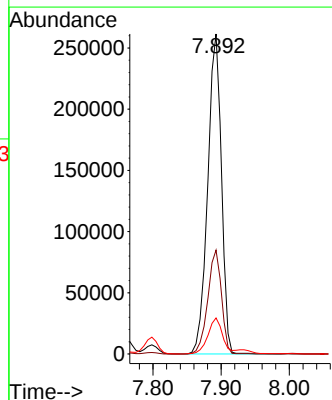
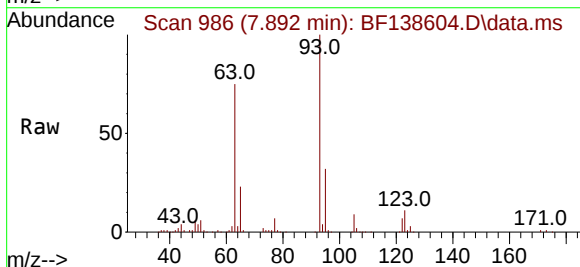
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

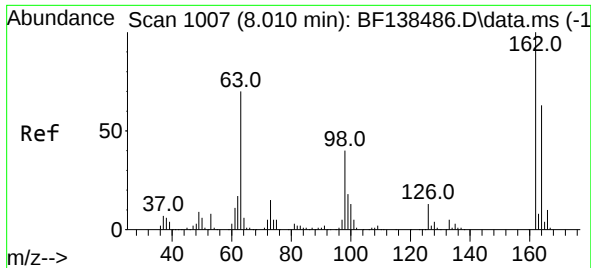
Tgt Ion:122 Resp: 219840  
Ion Ratio Lower Upper  
122 100  
107 117.9 96.3 144.5  
121 58.5 46.7 70.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.092 ng  
RT: 7.892 min Scan# 986  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion: 93 Resp: 365558  
Ion Ratio Lower Upper  
93 100  
95 32.5 27.0 40.6  
123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 44.973 ng

RT: 8.004 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

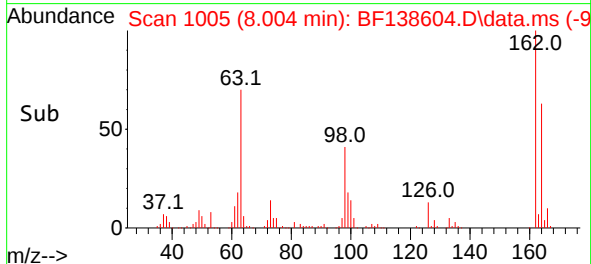
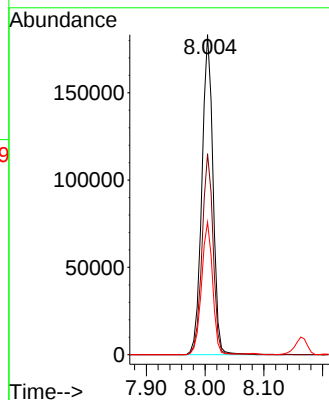
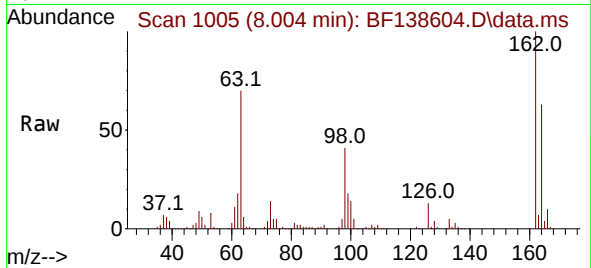
Tgt Ion:162 Resp: 241593

Ion Ratio Lower Upper

162 100

164 62.8 42.6 82.6

98 41.4 20.1 60.1



#30

1,2,4-Trichlorobenzene

Concen: 40.999 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

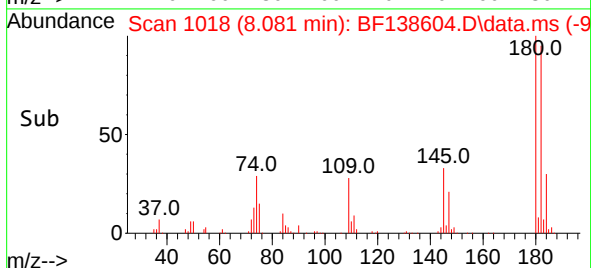
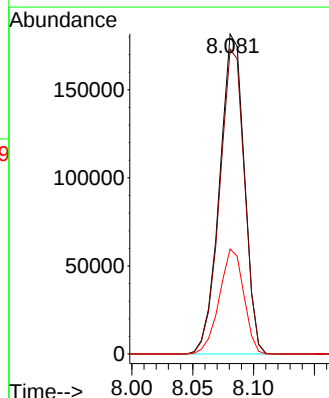
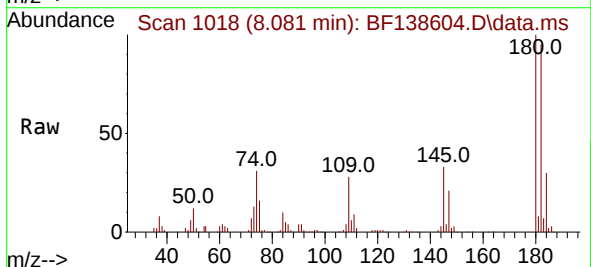
Tgt Ion:180 Resp: 256568

Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

145 32.8 23.9 35.9

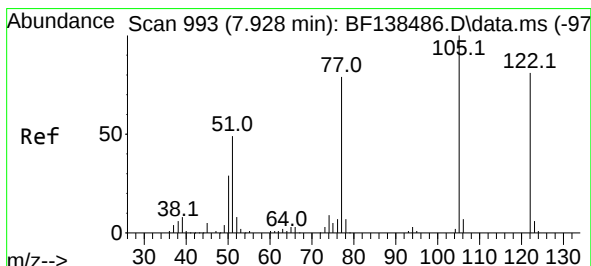
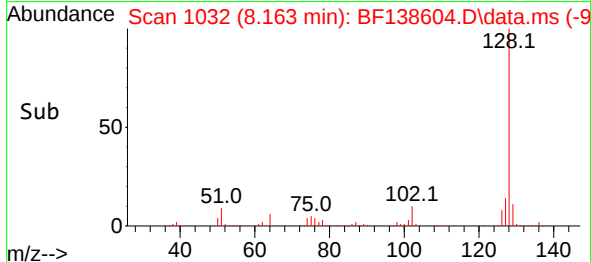
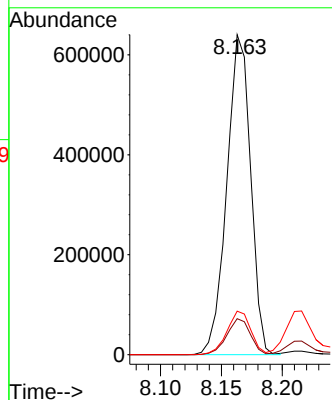
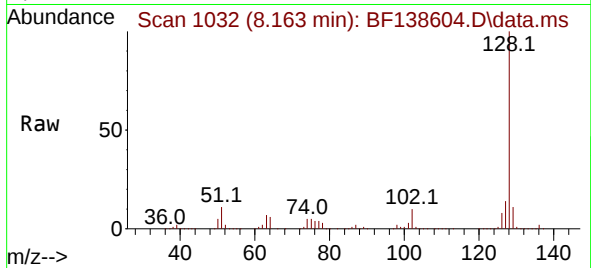




#31  
Naphthalene  
Concen: 44.237 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

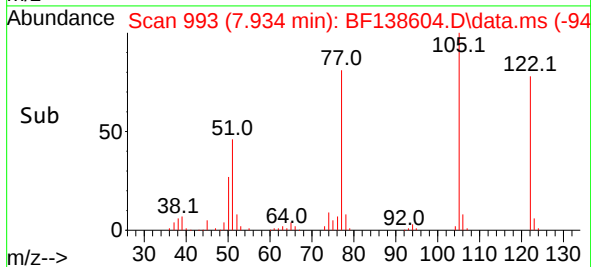
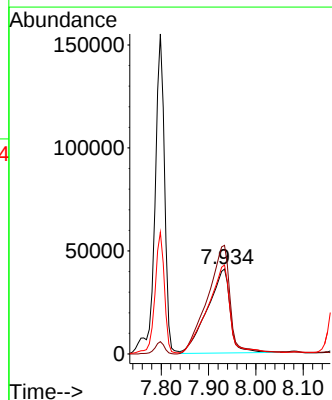
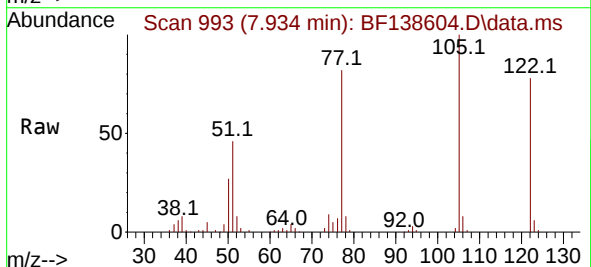
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:128 Resp: 872906  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.6 13.0  
127 13.6 10.7 16.1



#32  
Benzoic acid  
Concen: 34.506 ng  
RT: 7.934 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:122 Resp: 136142  
Ion Ratio Lower Upper  
122 100  
105 127.8 101.5 141.5  
77 104.8 77.3 117.3

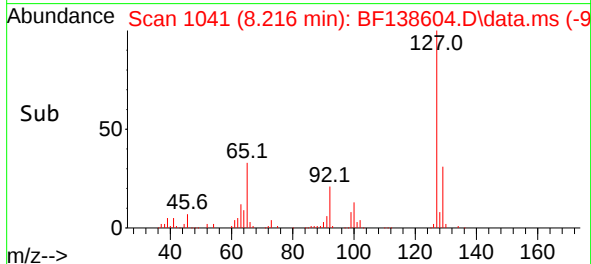
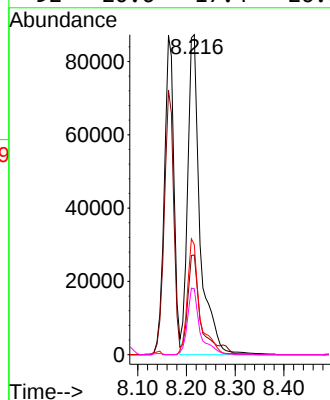
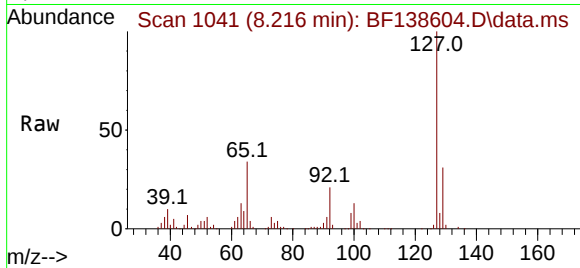




#33  
4-Chloroaniline  
Concen: 22.378 ng  
RT: 8.216 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

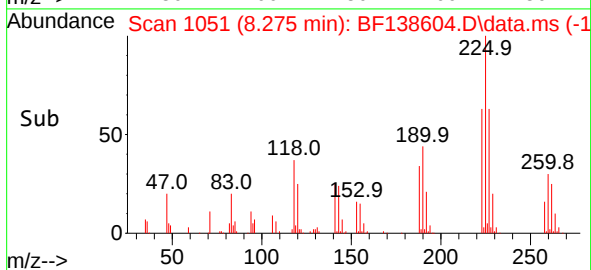
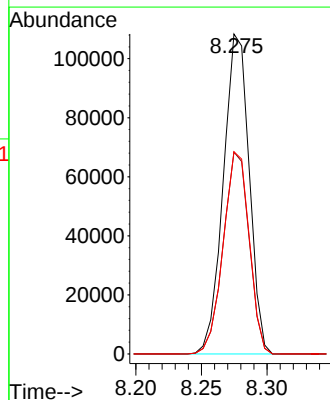
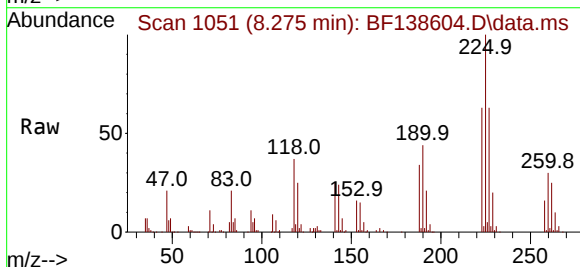
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 154936 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.2  | 25.6  | 38.4   |
| 65        | 34.4  | 29.6  | 44.4   |
| 92        | 20.6  | 17.4  | 26.0   |



#34  
Hexachlorobutadiene  
Concen: 38.542 ng  
RT: 8.275 min Scan# 1051  
Delta R.T. -0.012 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 148524 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 50.0  | 75.0   |
| 227       | 63.2  | 51.0  | 76.6   |

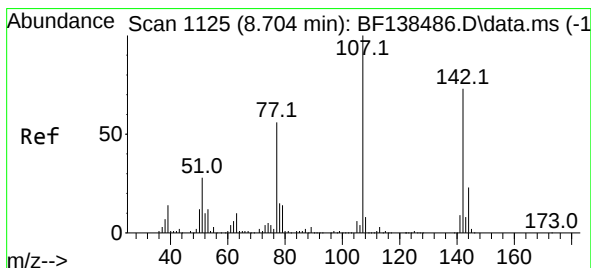
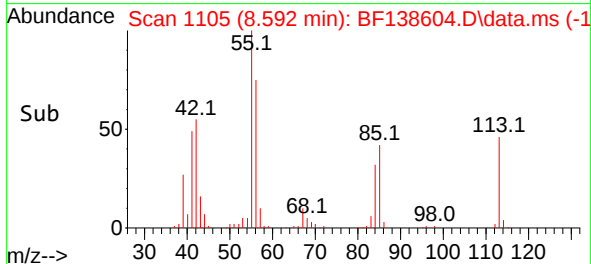
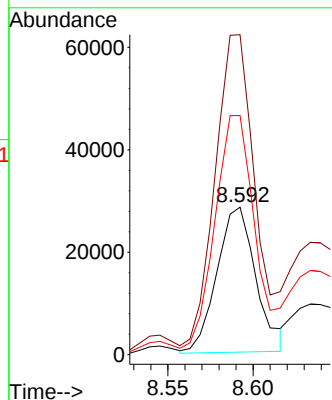
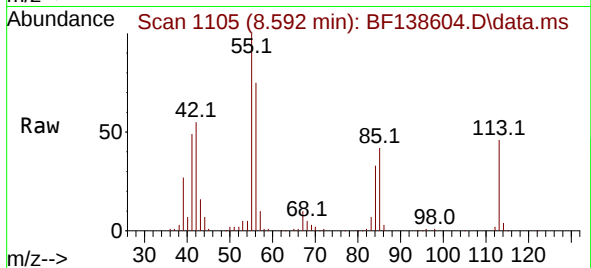




#35  
 Caprolactam  
 Concen: 25.991 ng  
 RT: 8.592 min Scan# 1105  
 Delta R.T. -0.006 min  
 Lab File: BF138604.D  
 Acq: 22 Jul 2024 13:10

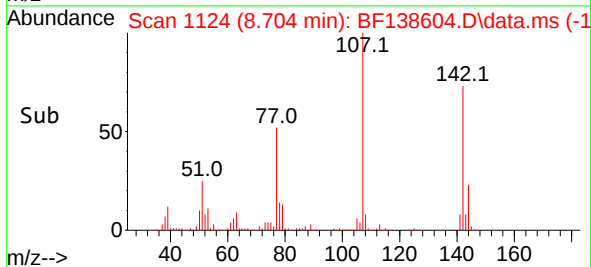
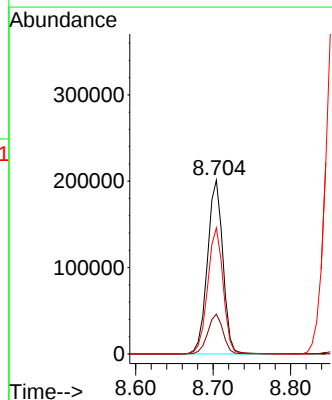
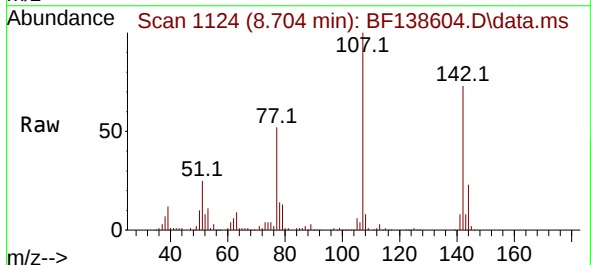
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162114BS

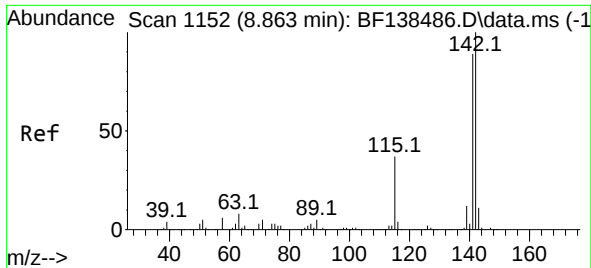
Tgt Ion:113 Resp: 45054  
 Ion Ratio Lower Upper  
 113 100  
 55 216.9 192.5 232.5  
 56 162.1 145.3 185.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.397 ng  
 RT: 8.704 min Scan# 1124  
 Delta R.T. 0.000 min  
 Lab File: BF138604.D  
 Acq: 22 Jul 2024 13:10

Tgt Ion:107 Resp: 279036  
 Ion Ratio Lower Upper  
 107 100  
 144 22.9 18.6 27.8  
 142 72.6 58.6 88.0

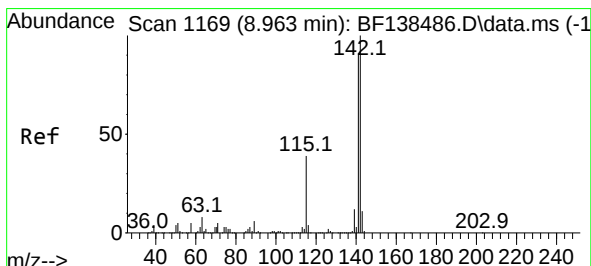
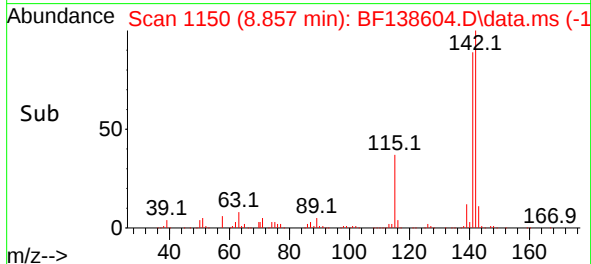
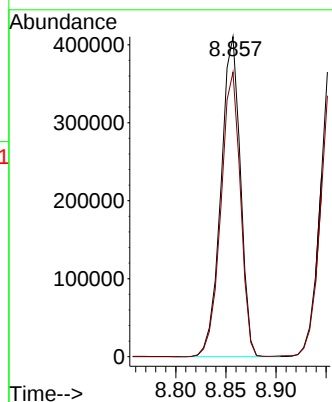
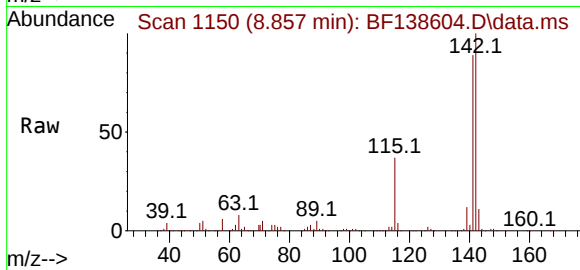




#37  
2-Methylnaphthalene  
Concen: 43.526 ng  
RT: 8.857 min Scan# 1152  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

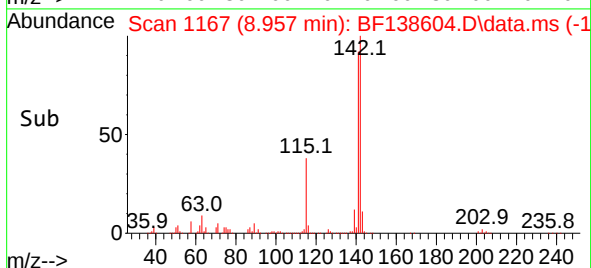
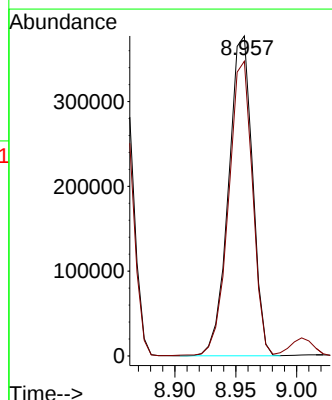
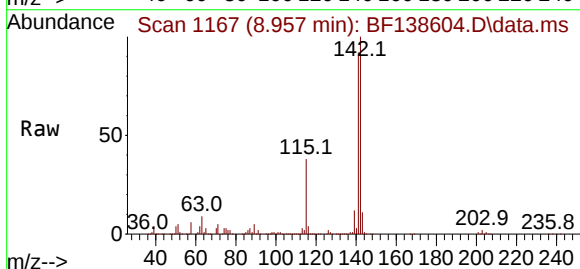
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:142 Resp: 552701  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.4 107.0



#38  
1-Methylnaphthalene  
Concen: 41.760 ng  
RT: 8.957 min Scan# 1167  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:142 Resp: 517528  
Ion Ratio Lower Upper  
142 100  
141 92.1 72.6 108.8

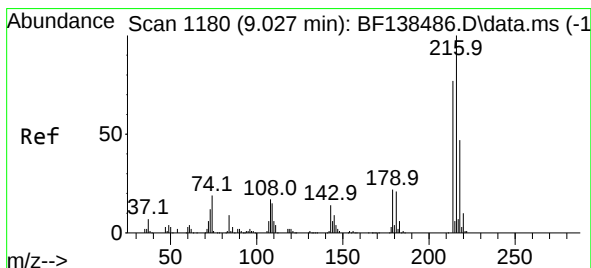
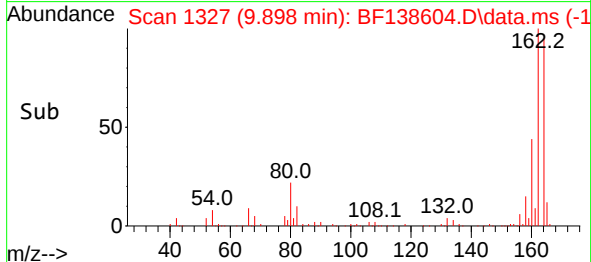
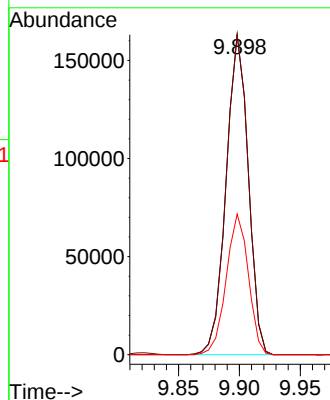
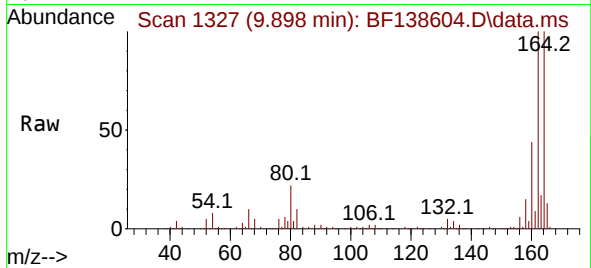




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1178  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

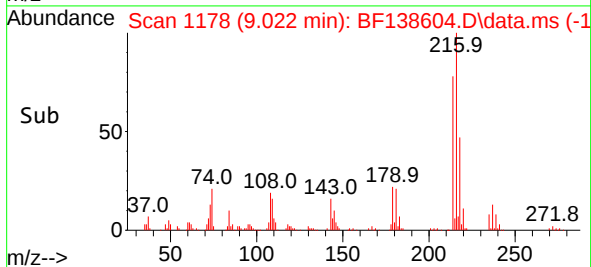
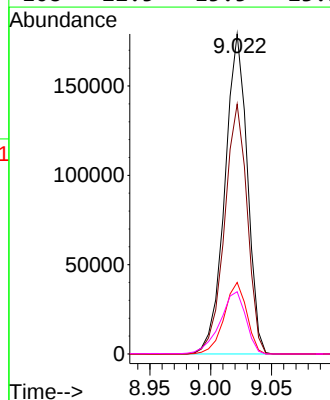
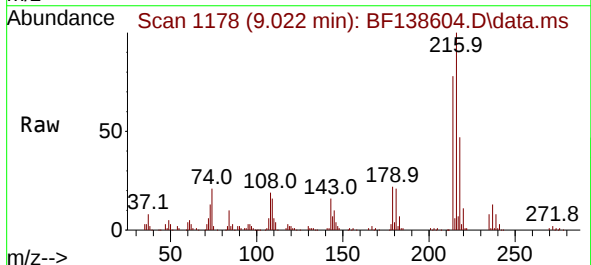
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:164 Resp: 207012  
Ion Ratio Lower Upper  
164 100  
162 99.9 79.0 118.6  
160 44.0 34.4 51.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.927 ng  
RT: 9.022 min Scan# 1178  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:216 Resp: 230358  
Ion Ratio Lower Upper  
216 100  
214 78.6 62.8 94.2  
179 22.5 17.7 26.5  
108 22.5 15.5 23.3

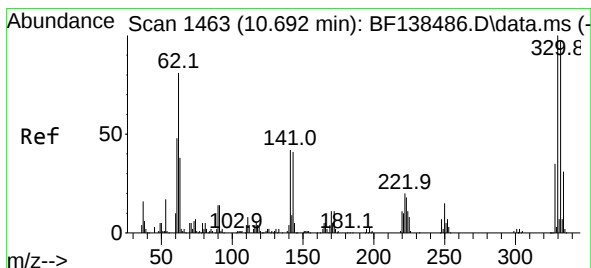
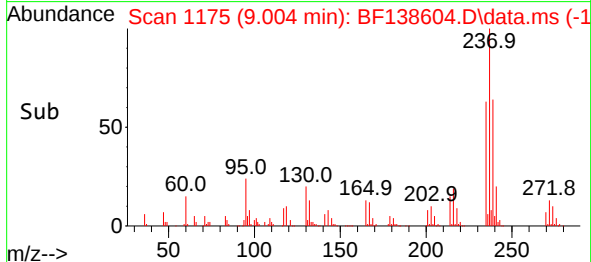
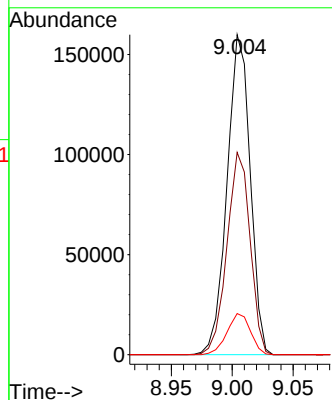
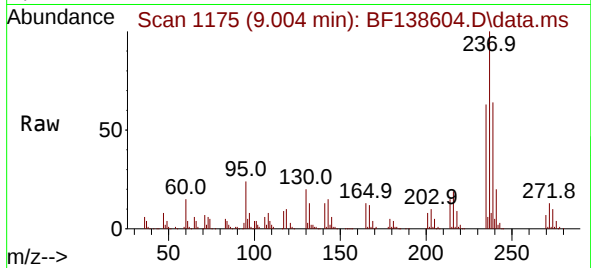




#41  
Hexachlorocyclopentadiene  
Concen: 112.852 ng  
RT: 9.004 min Scan# 1175  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

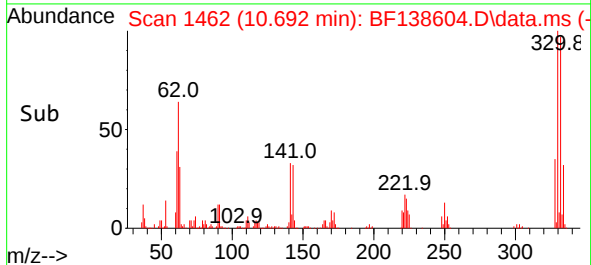
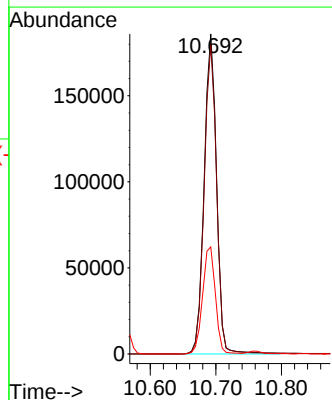
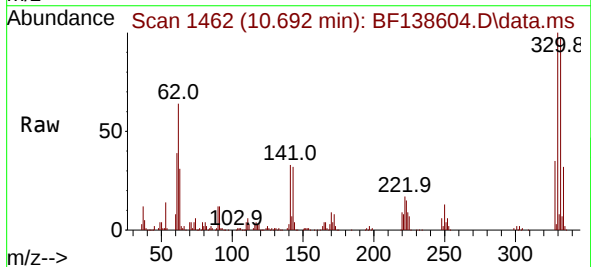
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:237 Resp: 211337  
Ion Ratio Lower Upper  
237 100  
235 63.2 43.3 83.3  
272 12.9 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 127.110 ng  
RT: 10.692 min Scan# 1462  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:330 Resp: 245924  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.8 115.2  
141 34.5 29.4 44.2





#43

2,4,6-Trichlorophenol

Concen: 43.664 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

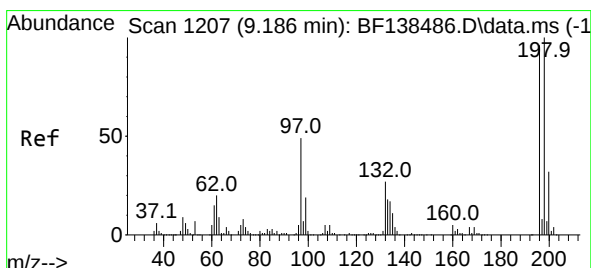
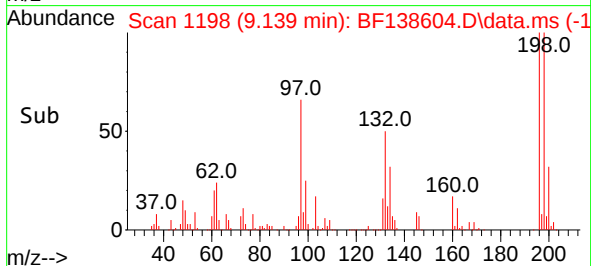
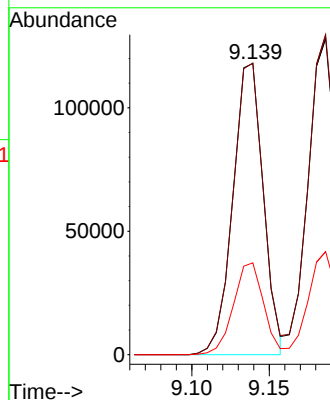
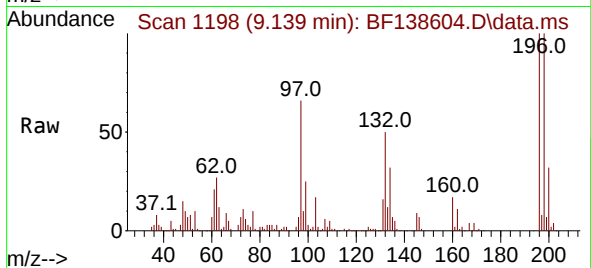
Tgt Ion:196 Resp: 160696

Ion Ratio Lower Upper

196 100

198 100.2 82.3 123.5

200 31.6 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 42.009 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Tgt Ion:196 Resp: 170048

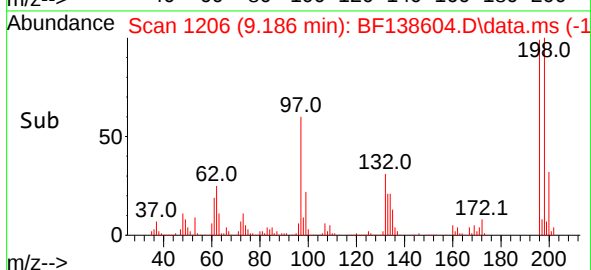
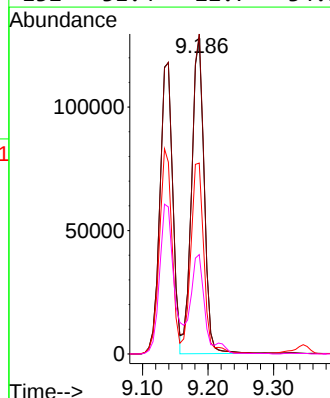
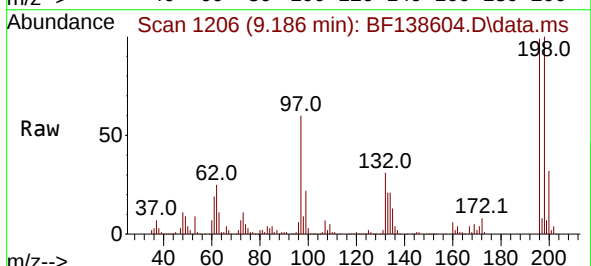
Ion Ratio Lower Upper

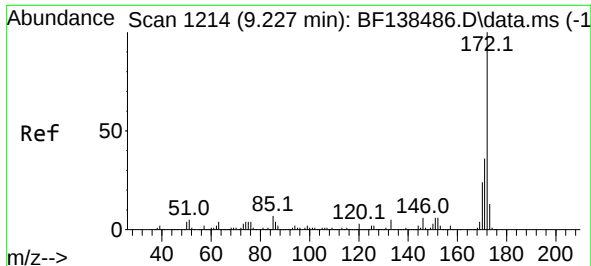
196 100

198 101.2 82.8 124.2

97 60.4 41.0 61.4

132 31.4 22.7 34.1





#45

2-Fluorobiphenyl

Concen: 80.914 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

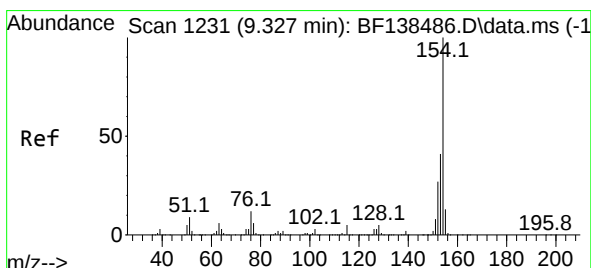
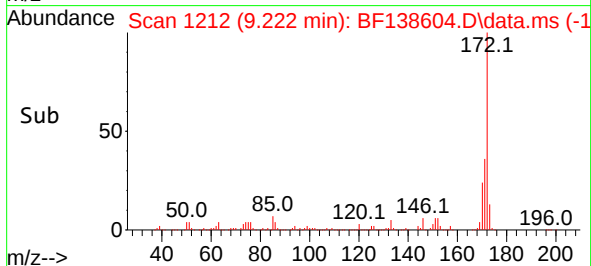
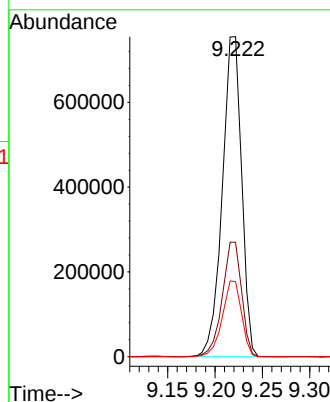
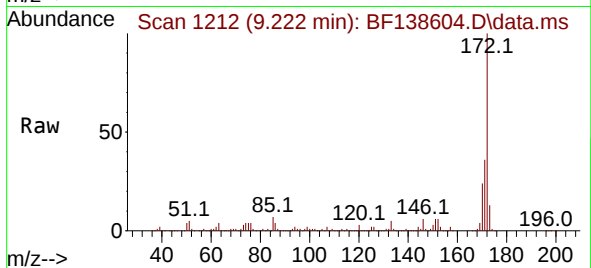
Tgt Ion:172 Resp: 1071737

Ion Ratio Lower Upper

172 100

171 35.7 28.9 43.3

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 41.657 ng

RT: 9.322 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

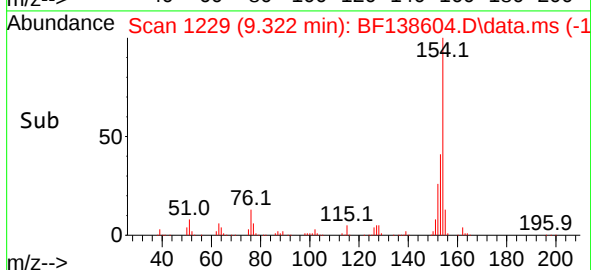
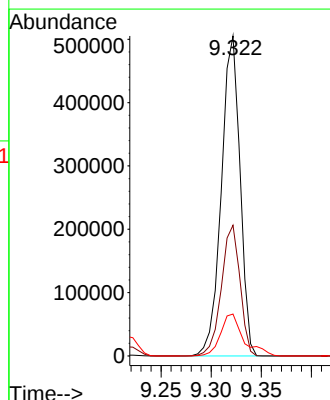
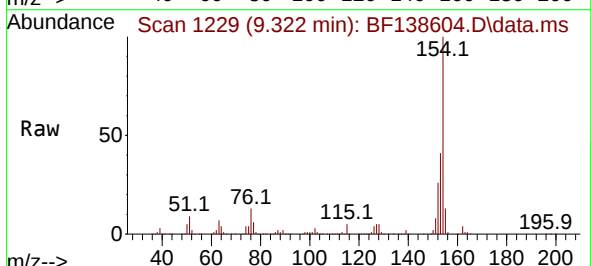
Tgt Ion:154 Resp: 653525

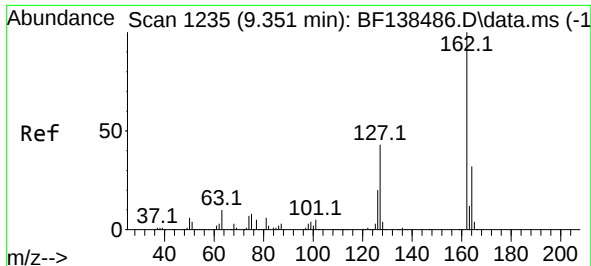
Ion Ratio Lower Upper

154 100

153 40.8 20.7 60.7

76 13.1 0.0 32.2





#47

2-Chloronaphthalene

Concen: 43.999 ng

RT: 9.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

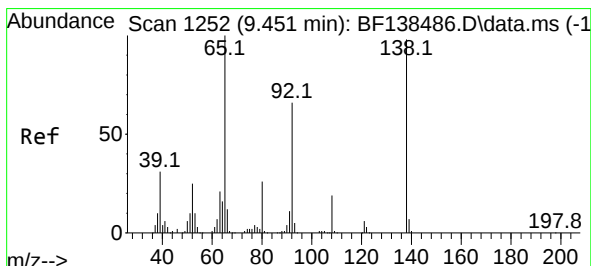
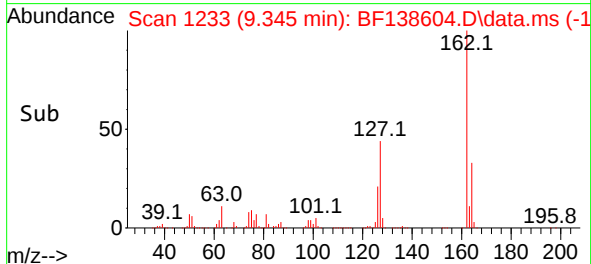
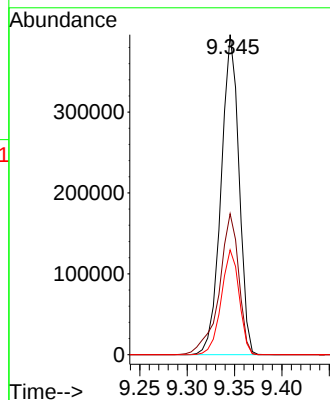
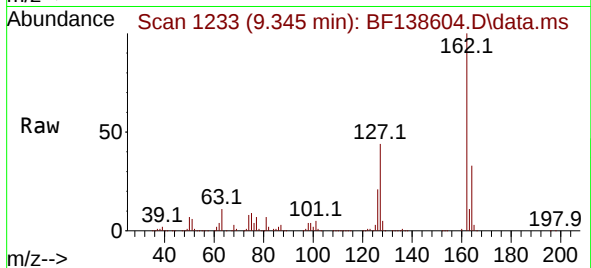
Tgt Ion:162 Resp: 521474

Ion Ratio Lower Upper

162 100

127 44.1 34.8 52.2

164 32.7 25.6 38.4



#48

2-Nitroaniline

Concen: 48.305 ng

RT: 9.445 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

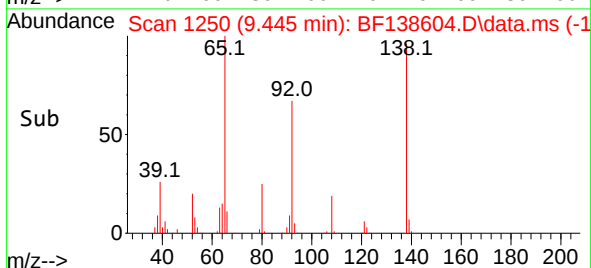
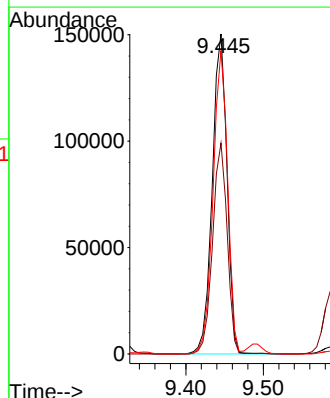
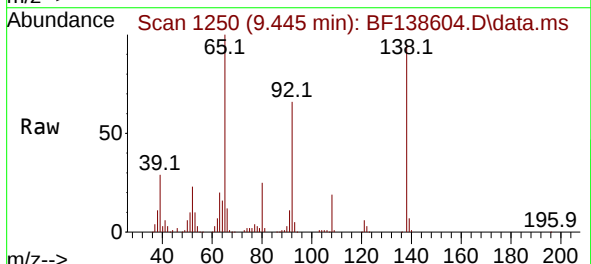
Tgt Ion: 65 Resp: 198388

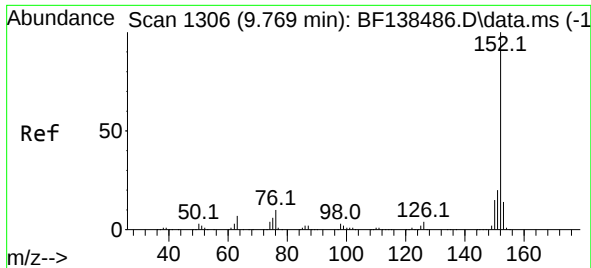
Ion Ratio Lower Upper

65 100

92 65.9 52.6 78.8

138 94.8 78.6 118.0





#49

Acenaphthylene

Concen: 49.041 ng

RT: 9.763 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

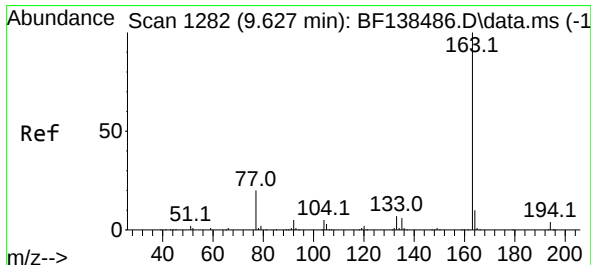
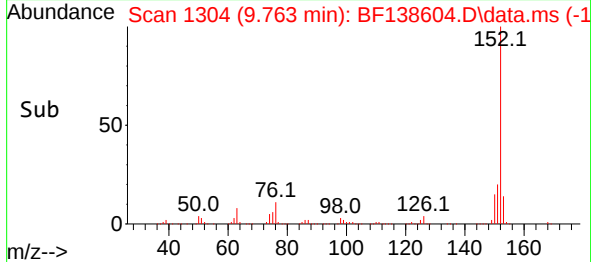
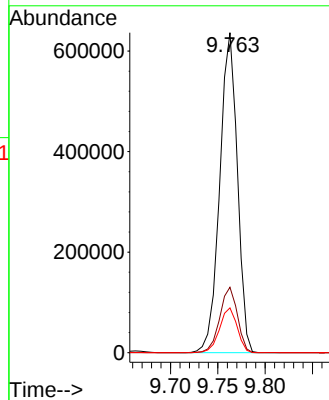
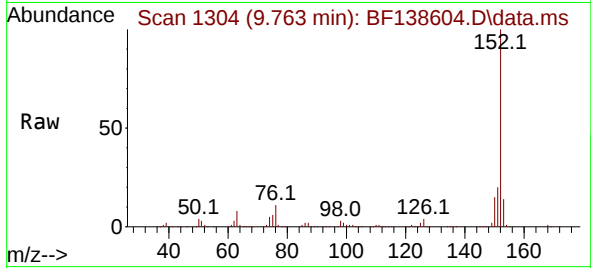
Tgt Ion:152 Resp: 825206

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 14.0 11.3 16.9



#50

Dimethylphthalate

Concen: 45.791 ng

RT: 9.622 min Scan# 1280

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

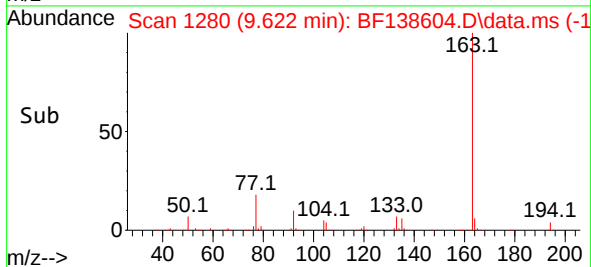
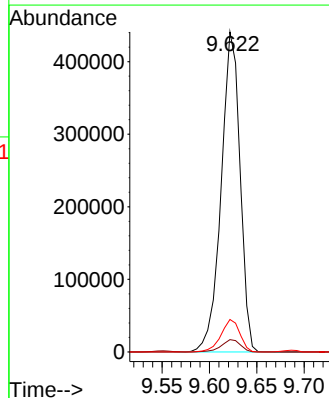
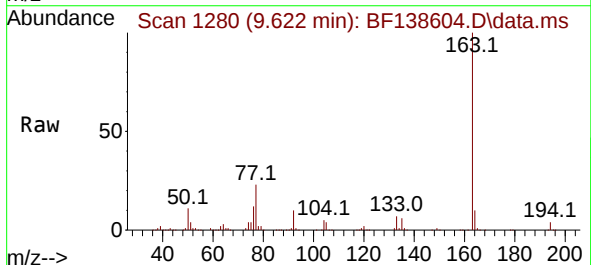
Tgt Ion:163 Resp: 612947

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 44.482 ng

RT: 9.686 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

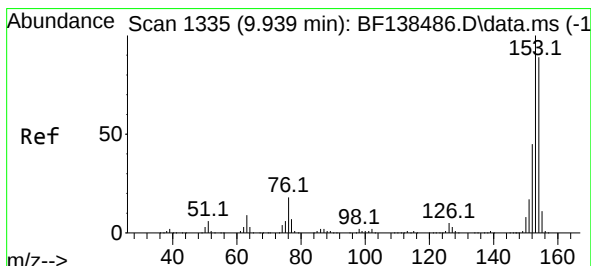
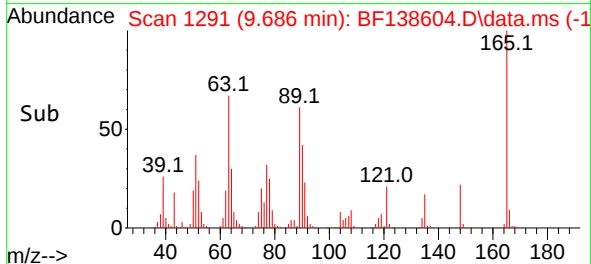
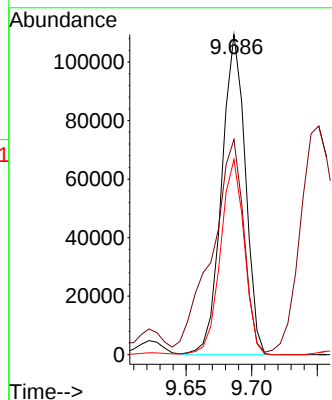
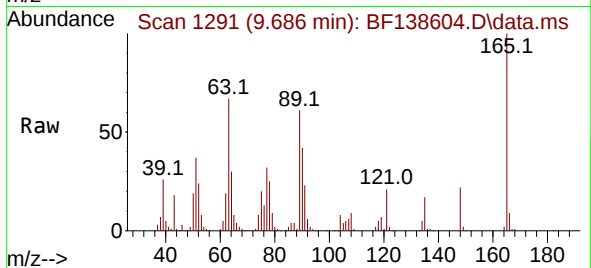
Tgt Ion:165 Resp: 137096

Ion Ratio Lower Upper

165 100

63 67.2 48.1 72.1

89 61.0 43.0 64.6



#52

Acenaphthene

Concen: 46.126 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

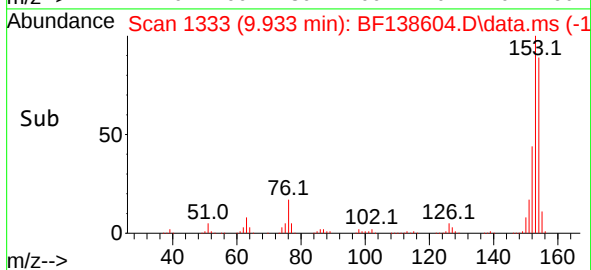
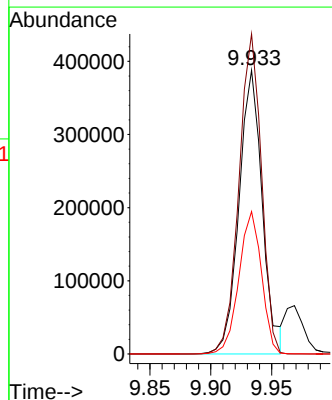
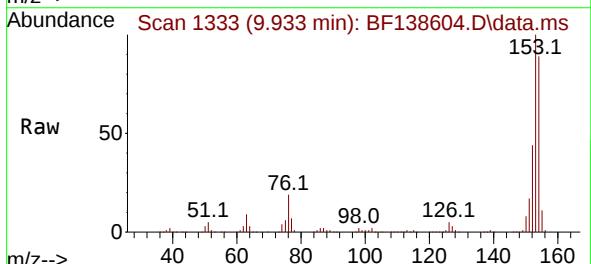
Tgt Ion:154 Resp: 515922

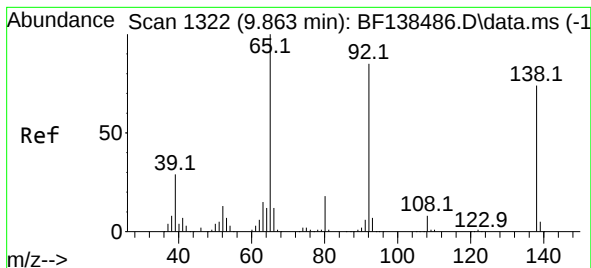
Ion Ratio Lower Upper

154 100

153 112.8 90.4 135.6

152 50.2 41.1 61.7





#53

3-Nitroaniline

Concen: 29.515 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

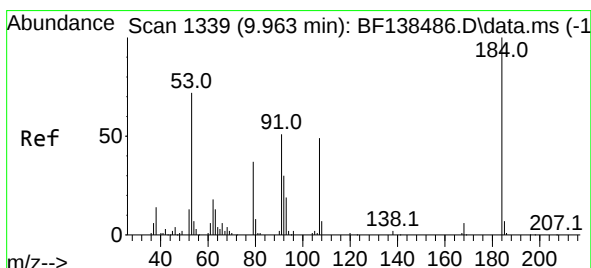
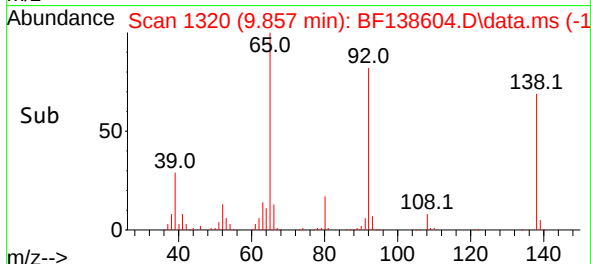
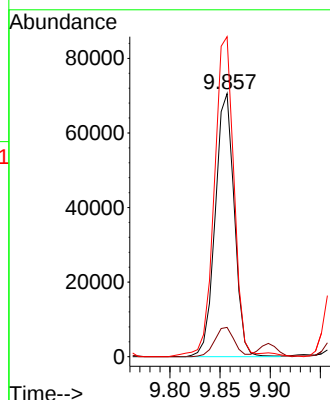
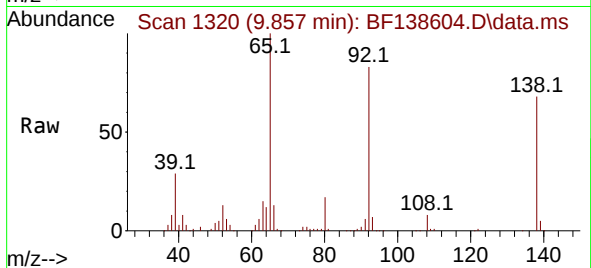
Tgt Ion:138 Resp: 93234

Ion Ratio Lower Upper

138 100

108 11.2 8.3 12.5

92 121.6 92.6 138.8



#54

2,4-Dinitrophenol

Concen: 78.449 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

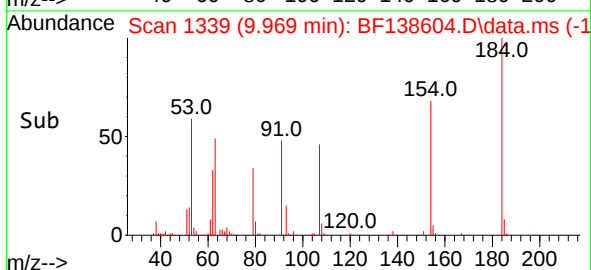
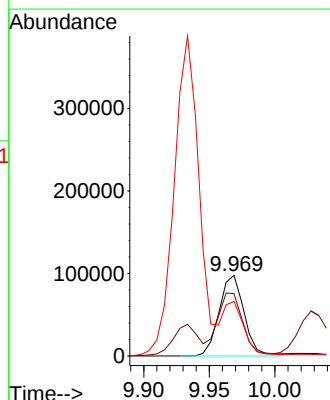
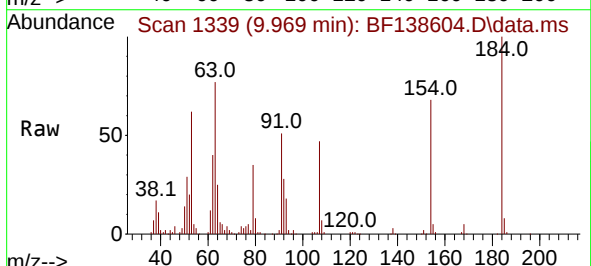
Tgt Ion:184 Resp: 129604

Ion Ratio Lower Upper

184 100

63 77.5 70.6 106.0

154 67.7 53.8 80.6

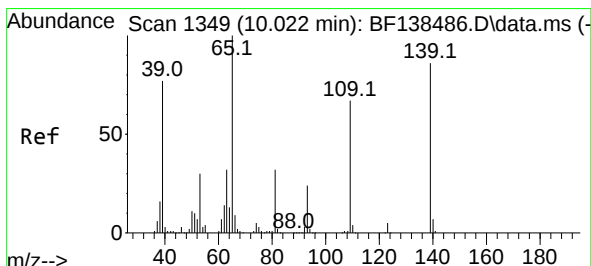
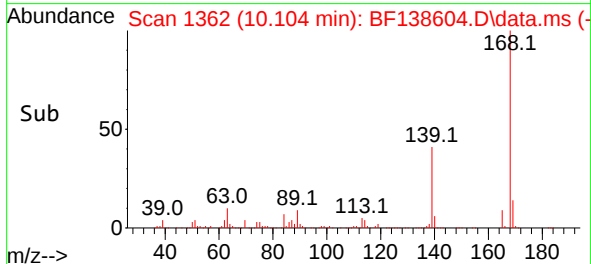
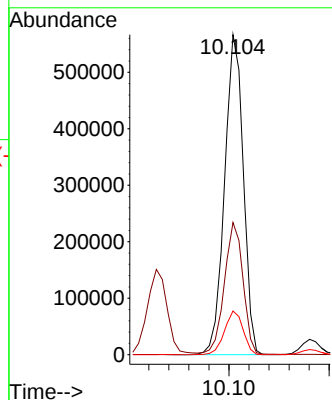
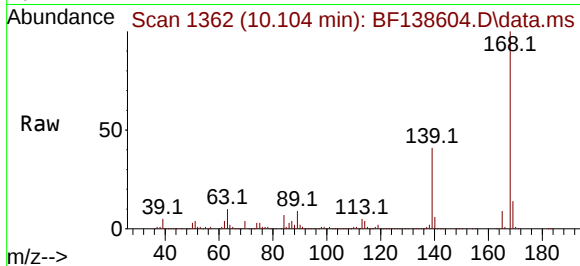




#55  
Dibenzenofuran  
Concen: 45.258 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

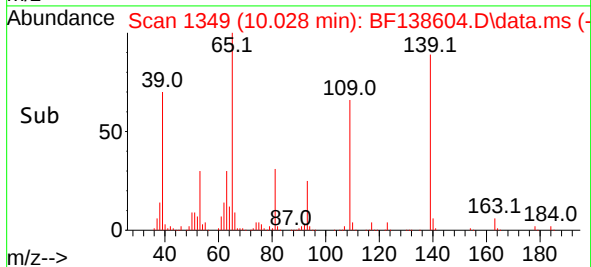
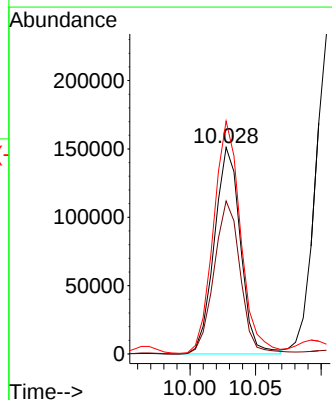
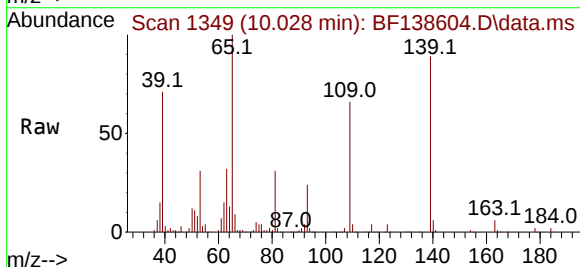
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

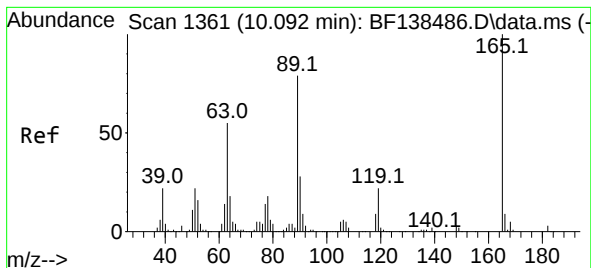
Tgt Ion:168 Resp: 734256  
Ion Ratio Lower Upper  
168 100  
139 41.3 32.4 48.6  
169 13.6 10.9 16.3



#56  
4-Nitrophenol  
Concen: 89.666 ng  
RT: 10.028 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:139 Resp: 208994  
Ion Ratio Lower Upper  
139 100  
109 74.0 58.1 98.1  
65 112.8 96.9 136.9

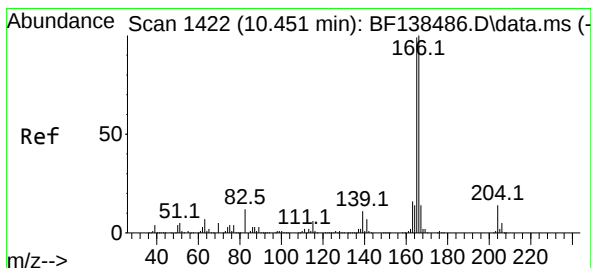
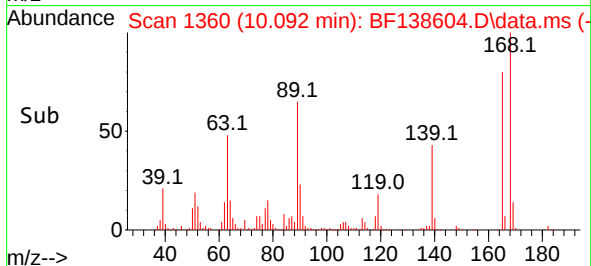
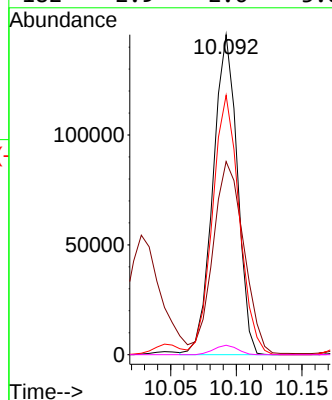
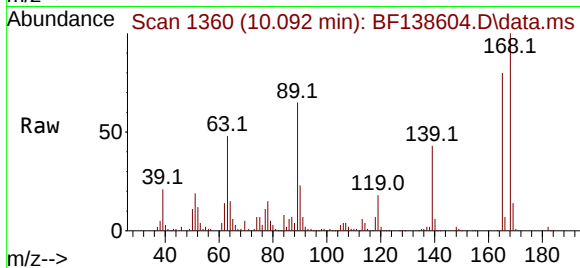




#57  
2,4-Dinitrotoluene  
Concen: 47.047 ng  
RT: 10.092 min Scan# 1361  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

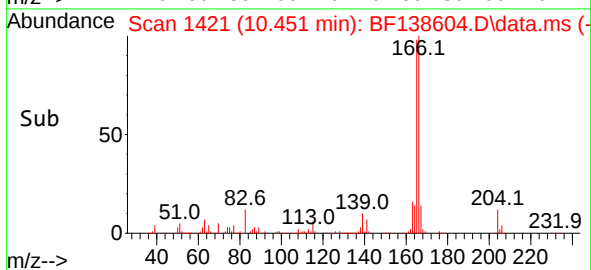
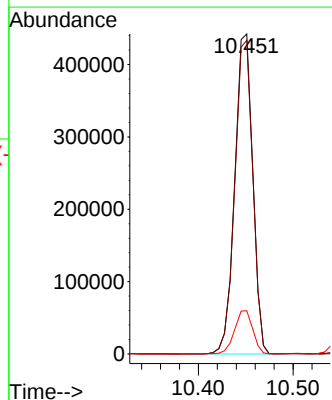
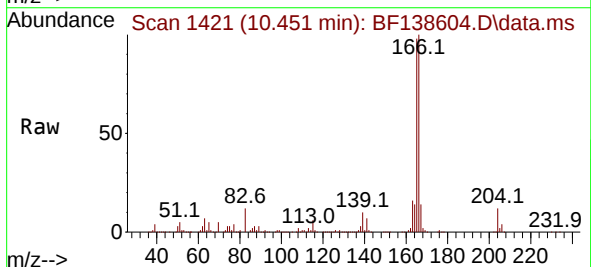
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:165 Resp: 187613  
Ion Ratio Lower Upper  
165 100  
63 60.4 44.6 66.8  
89 81.1 63.4 95.2  
182 2.9 2.6 3.8



#58  
Fluorene  
Concen: 45.422 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

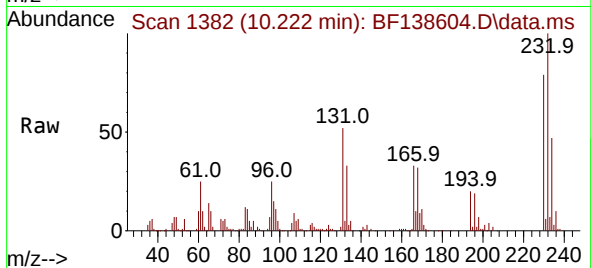
Tgt Ion:166 Resp: 583077  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.1 118.7  
167 13.5 11.0 16.6



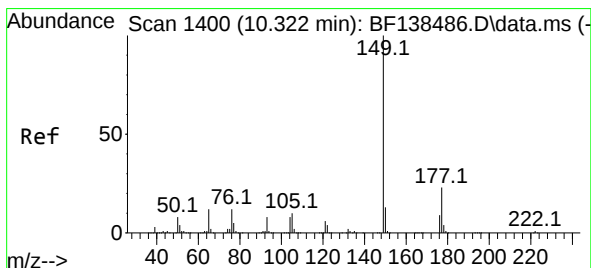
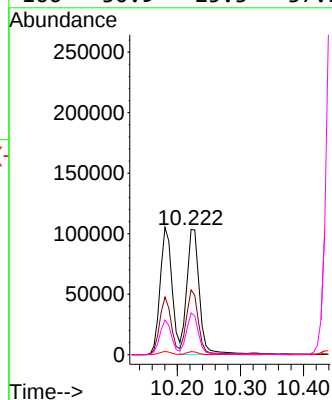
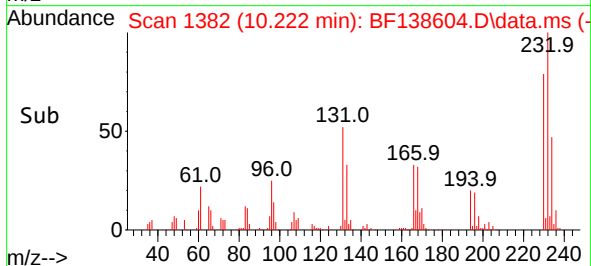


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.872 ng  
RT: 10.222 min Scan# 1382  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

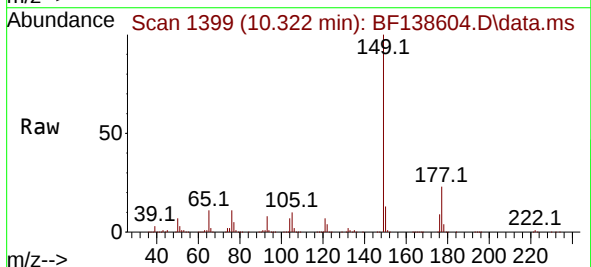
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS



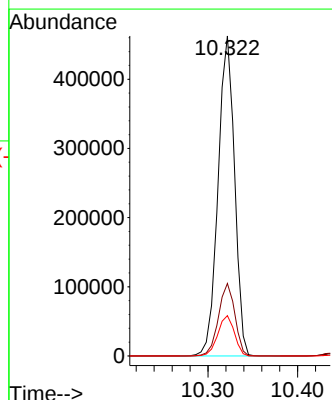
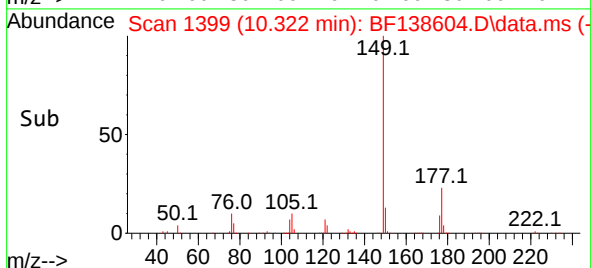
Tgt Ion:232 Resp: 143348  
Ion Ratio Lower Upper  
232 100  
131 49.4 37.5 56.3  
130 2.3 2.0 3.0  
166 30.9 25.3 37.9

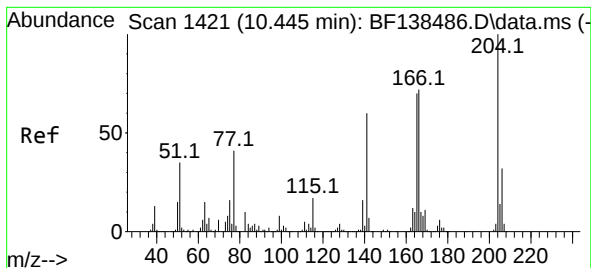


#60  
Diethylphthalate  
Concen: 45.749 ng  
RT: 10.322 min Scan# 1399  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10



Tgt Ion:149 Resp: 590367  
Ion Ratio Lower Upper  
149 100  
177 22.6 18.5 27.7  
150 12.6 10.3 15.5

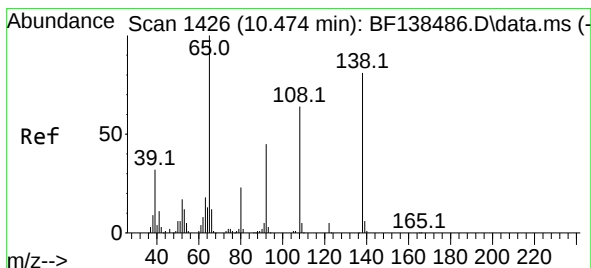
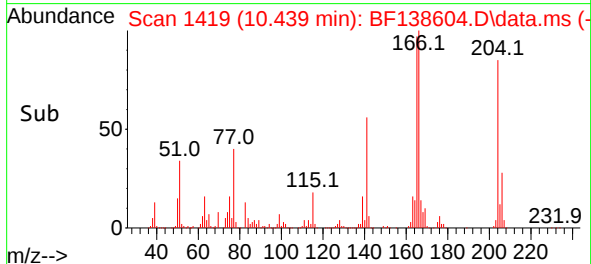
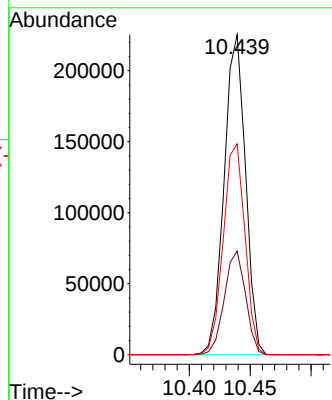
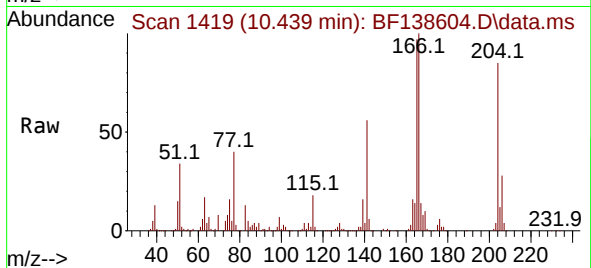




#61  
4-Chlorophenyl-phenylether  
Concen: 42.700 ng  
RT: 10.439 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

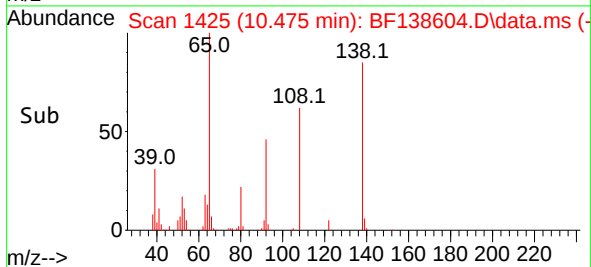
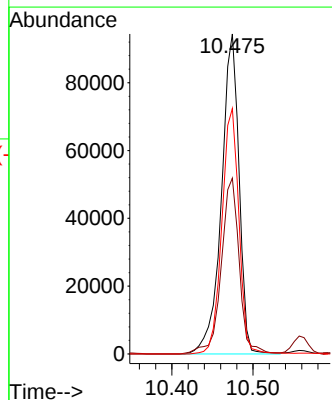
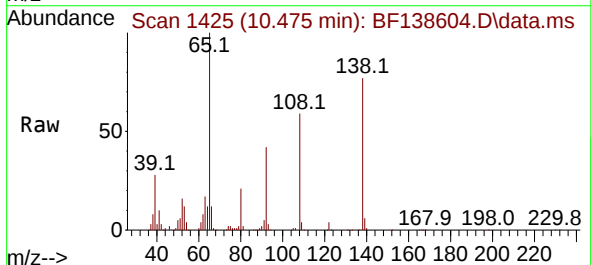
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

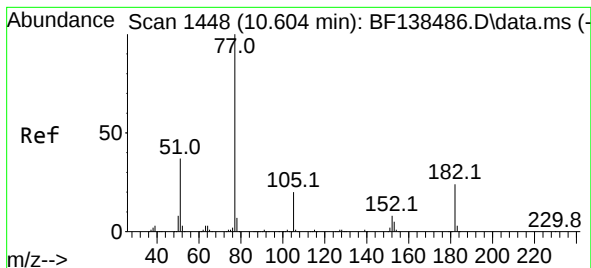
Tgt Ion:204 Resp: 275245  
Ion Ratio Lower Upper  
204 100  
206 32.4 25.6 38.4  
141 65.9 47.7 71.5



#62  
4-Nitroaniline  
Concen: 45.055 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:138 Resp: 142620  
Ion Ratio Lower Upper  
138 100  
92 55.0 35.8 75.8  
108 76.7 59.8 99.8





#63

Azobenzene

Concen: 47.838 ng

RT: 10.598 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

Tgt Ion: 77 Resp: 663698

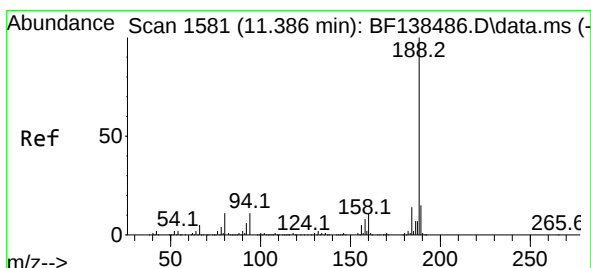
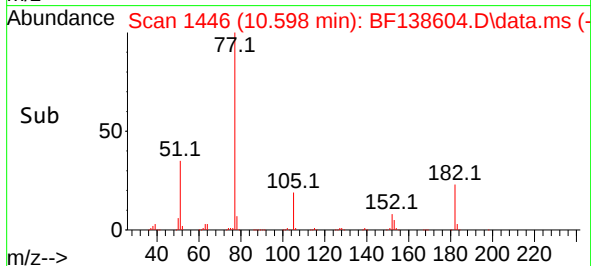
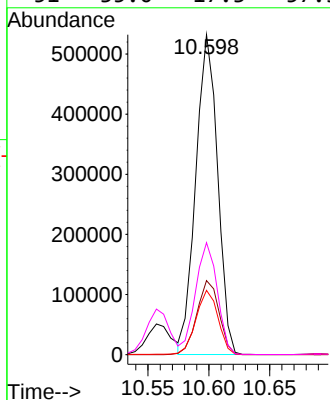
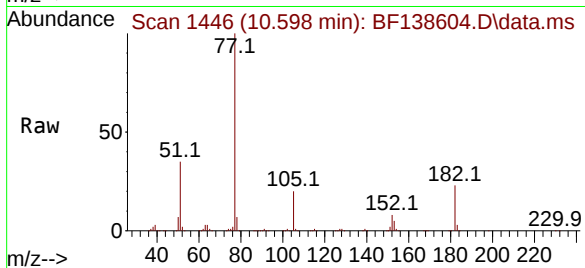
Ion Ratio Lower Upper

77 100

182 23.2 3.8 43.8

105 20.1 0.0 39.8

51 35.0 17.3 57.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

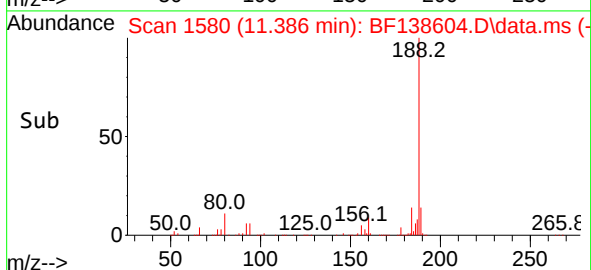
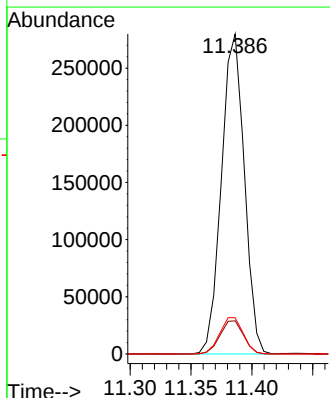
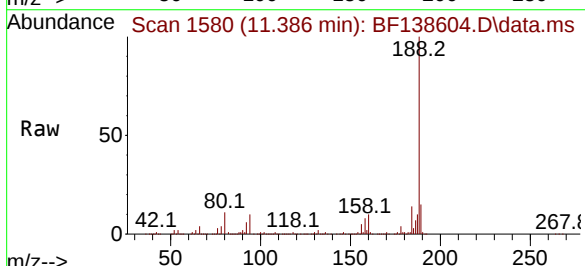
Tgt Ion:188 Resp: 366247

Ion Ratio Lower Upper

188 100

94 10.4 8.7 13.1

80 11.3 9.0 13.4

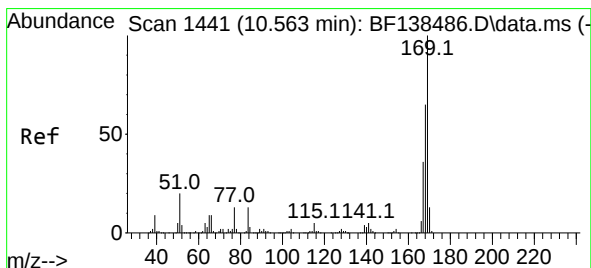
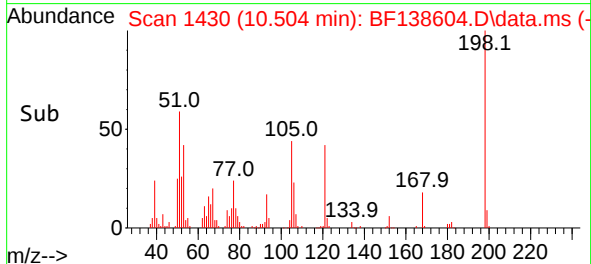
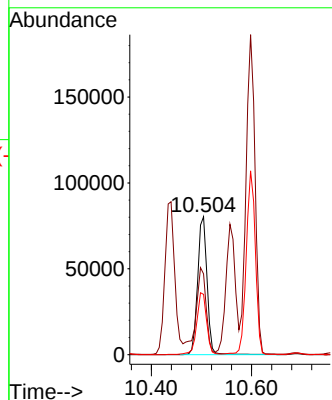
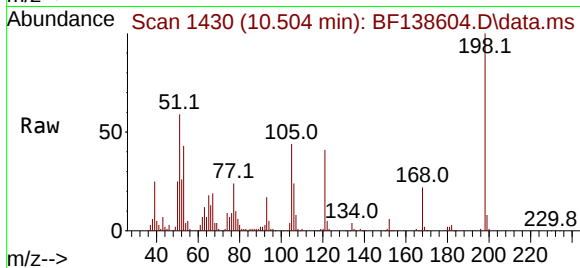




#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.476 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

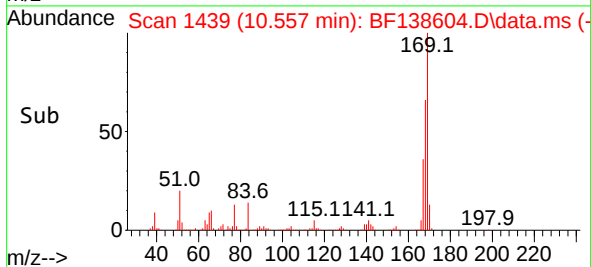
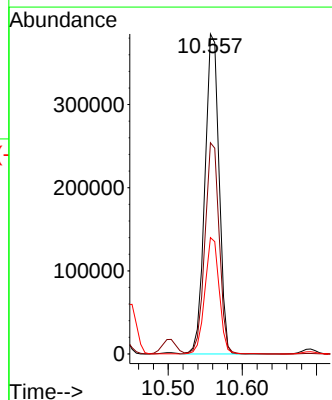
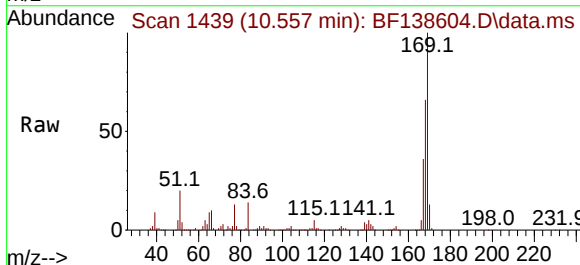
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

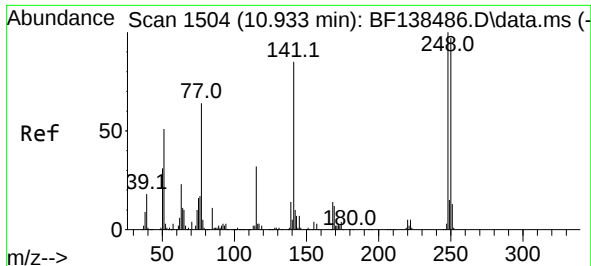
Tgt Ion:198 Resp: 104630  
Ion Ratio Lower Upper  
198 100  
51 58.6 27.2 67.2  
105 43.8 18.5 58.5



#66  
n-Nitrosodiphenylamine  
Concen: 46.620 ng  
RT: 10.557 min Scan# 1439  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:169 Resp: 511561  
Ion Ratio Lower Upper  
169 100  
168 66.0 51.7 77.5  
167 36.3 28.5 42.7

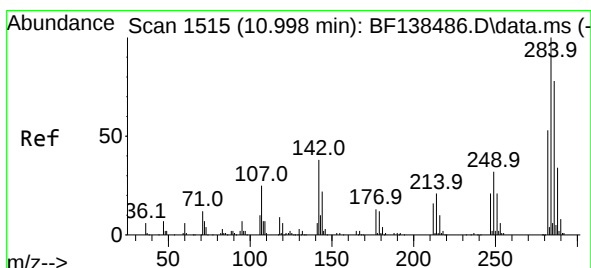
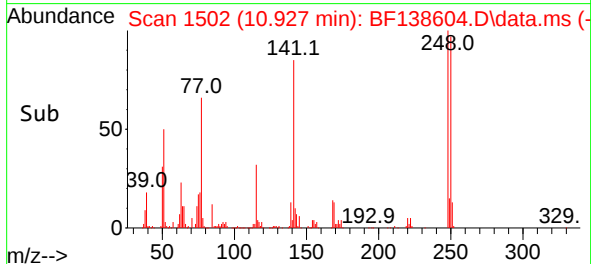
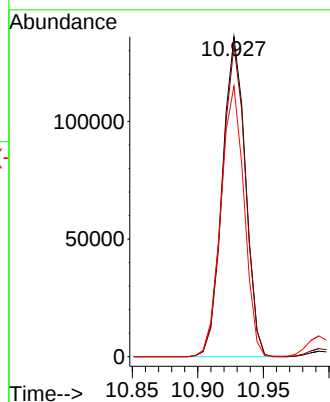
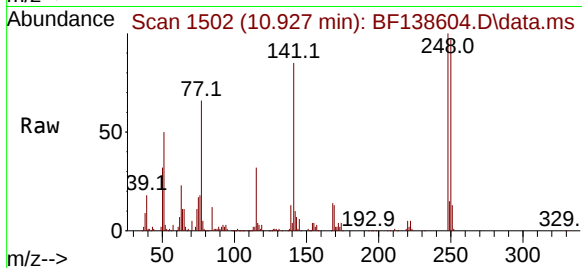




#67  
4-Bromophenyl-phenylether  
Concen: 44.189 ng  
RT: 10.927 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

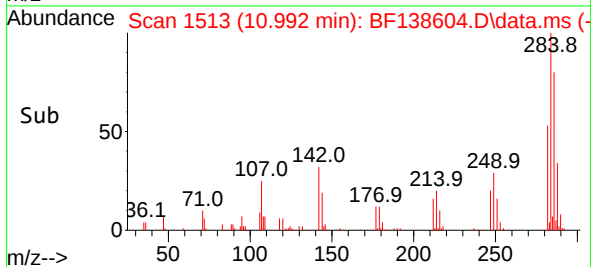
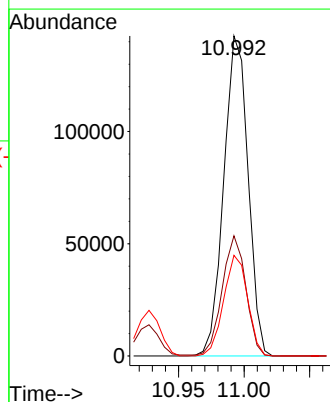
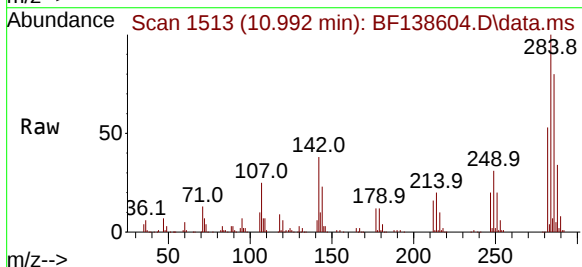
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:248 Resp: 166342  
Ion Ratio Lower Upper  
248 100  
250 97.2 77.9 116.9  
141 84.5 67.7 101.5



#68  
Hexachlorobenzene  
Concen: 43.855 ng  
RT: 10.992 min Scan# 1513  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:284 Resp: 183397  
Ion Ratio Lower Upper  
284 100  
142 37.6 30.5 45.7  
249 31.4 25.9 38.9





#69

Atrazine

Concen: 43.254 ng

RT: 11.086 min Scan# 1529

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

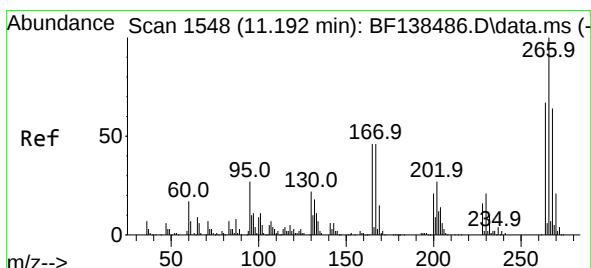
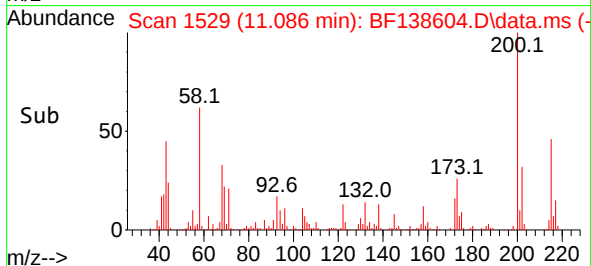
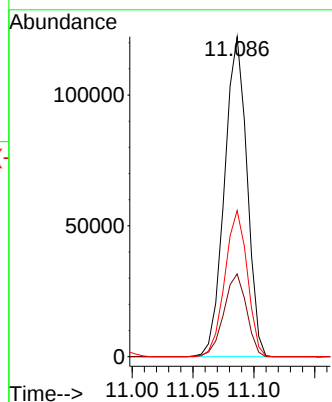
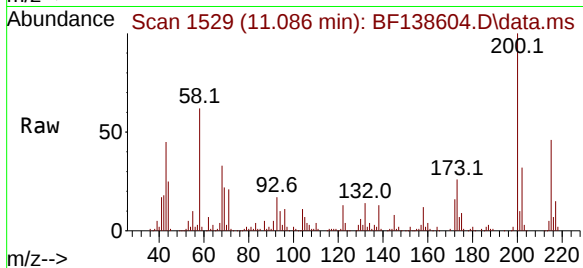
Tgt Ion:200 Resp: 157362

Ion Ratio Lower Upper

200 100

173 25.8 4.1 44.1

215 45.7 26.5 66.5



#70

Pentachlorophenol

Concen: 76.933 ng

RT: 11.192 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

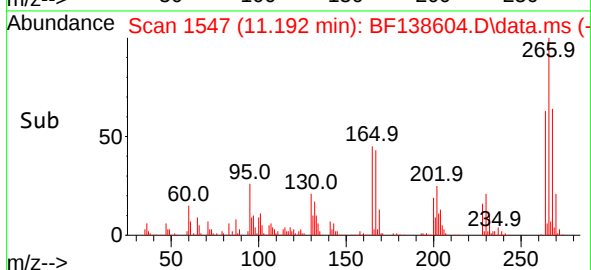
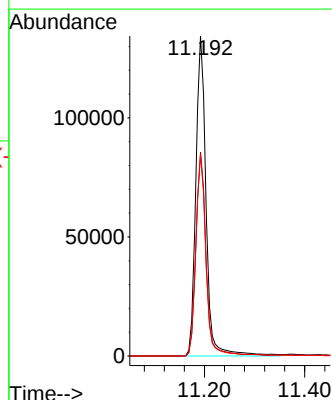
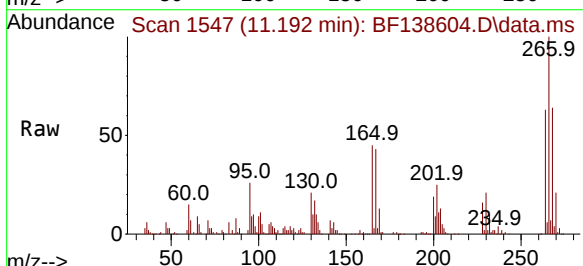
Tgt Ion:266 Resp: 190373

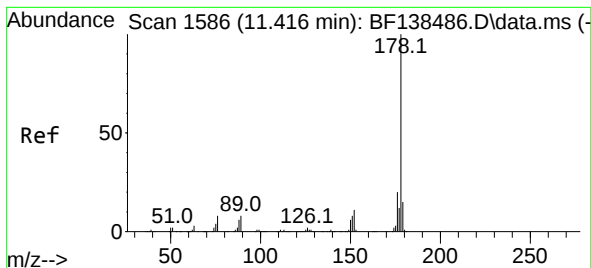
Ion Ratio Lower Upper

266 100

268 63.7 50.9 76.3

264 63.0 53.5 80.3





#71

Phenanthrene

Concen: 46.551 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

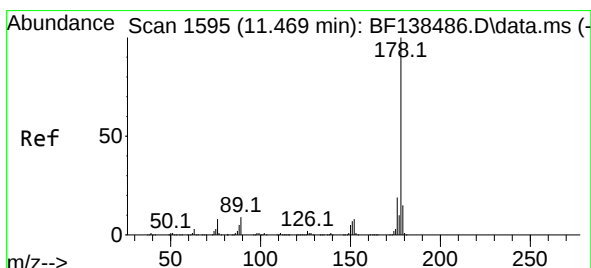
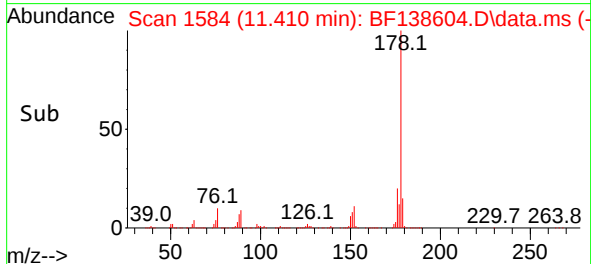
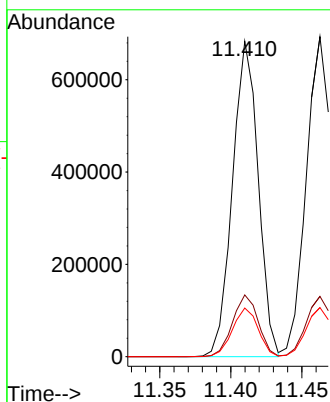
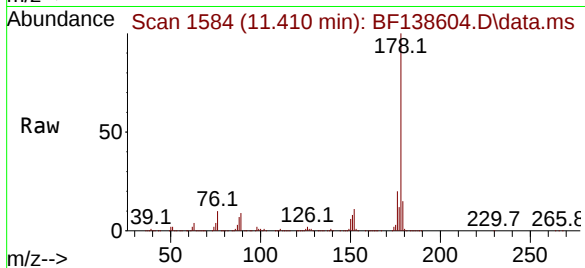
Tgt Ion:178 Resp: 861335

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.4 12.2 18.2



#72

Anthracene

Concen: 47.628 ng

RT: 11.463 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

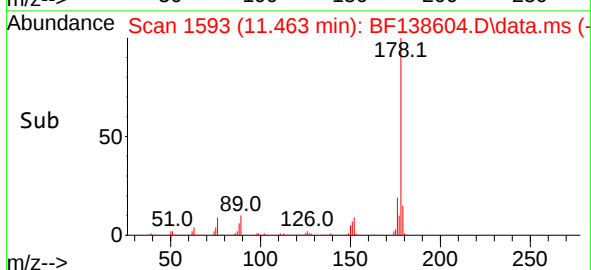
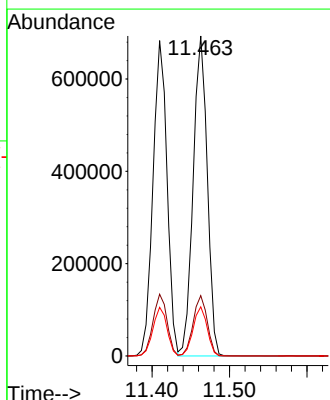
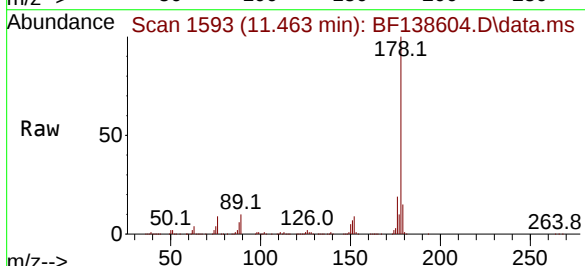
Tgt Ion:178 Resp: 874797

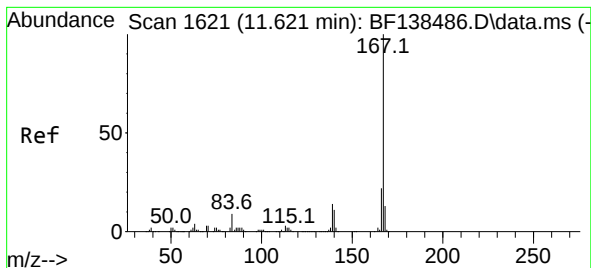
Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.3 12.2 18.4





#73

Carbazole

Concen: 46.726 ng

RT: 11.616 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

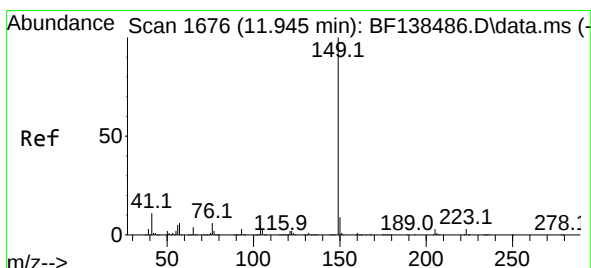
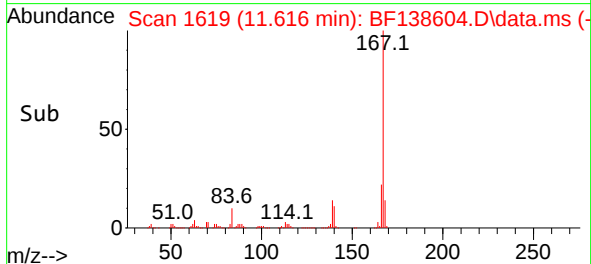
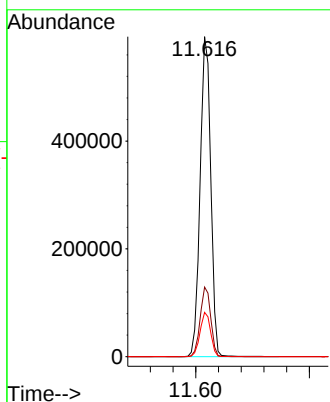
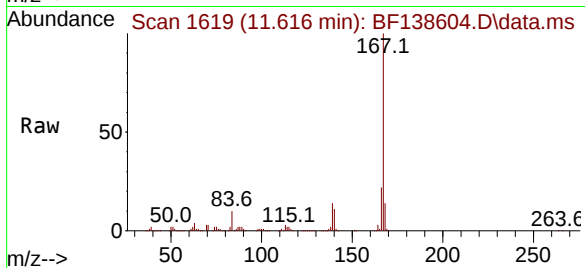
Tgt Ion:167 Resp: 771264

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.6

139 13.9 11.0 16.4



#74

Di-n-butylphthalate

Concen: 48.251 ng

RT: 11.939 min Scan# 1674

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

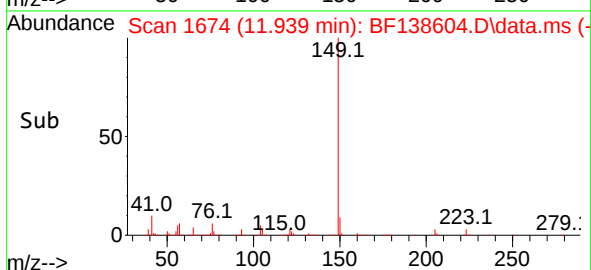
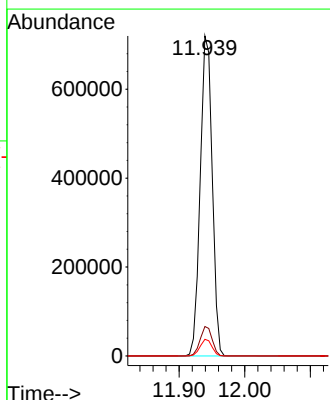
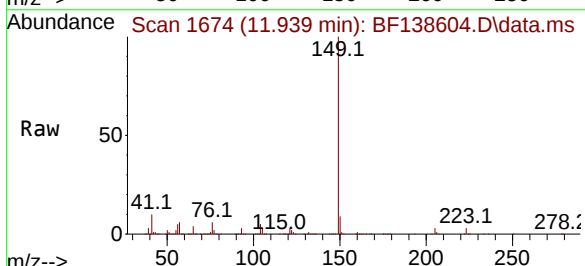
Tgt Ion:149 Resp: 918029

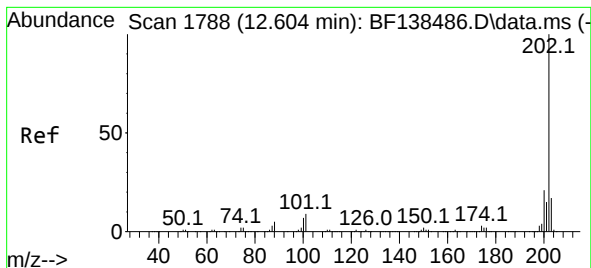
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.2 4.4 6.6





#75

Fluoranthene

Concen: 46.516 ng

RT: 12.598 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

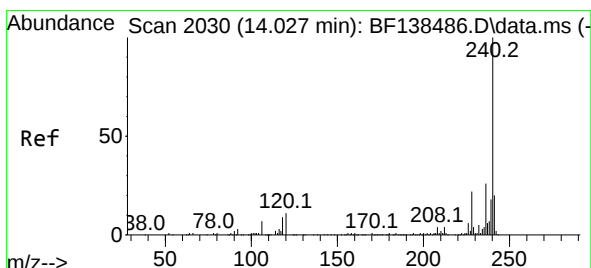
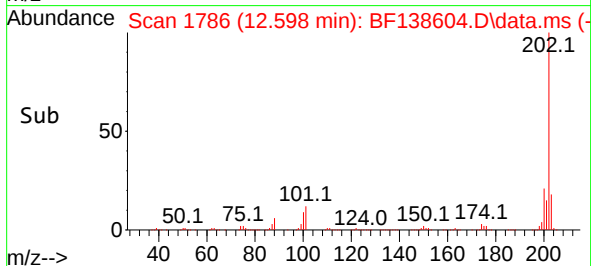
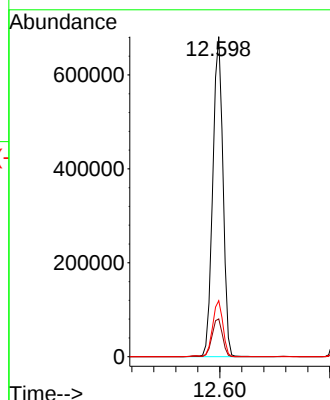
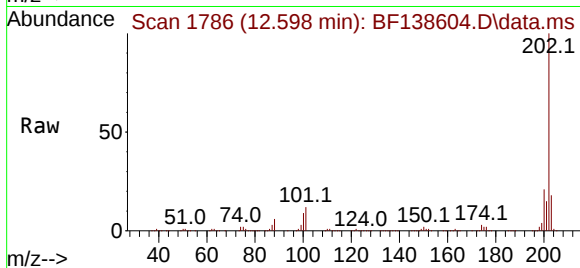
Tgt Ion:202 Resp: 878240

Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.2

203 17.5 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

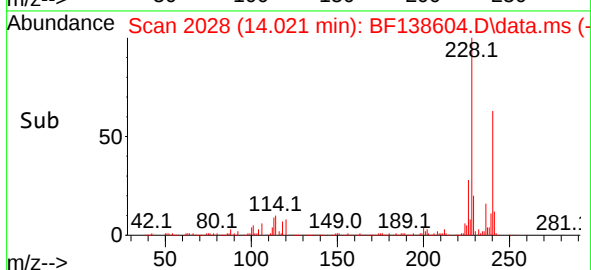
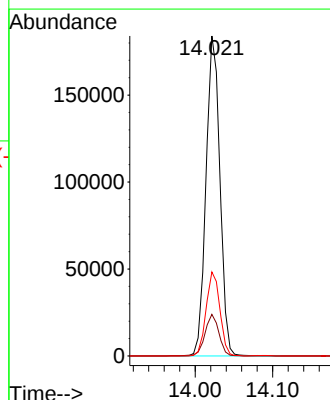
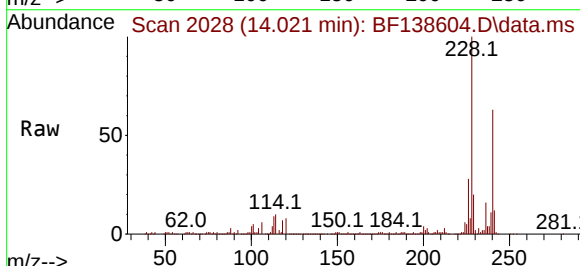
Tgt Ion:240 Resp: 229312

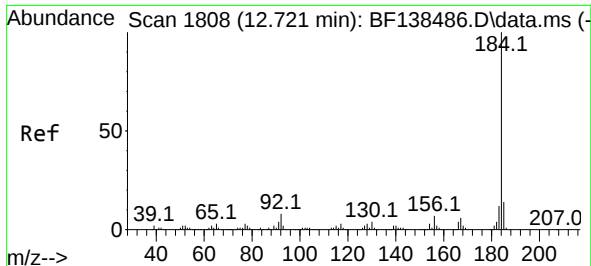
Ion Ratio Lower Upper

240 100

120 13.0 8.6 12.8#

236 26.2 21.0 31.6

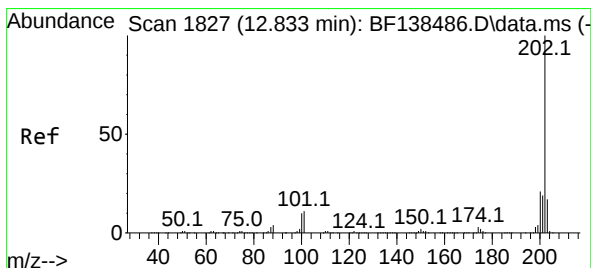
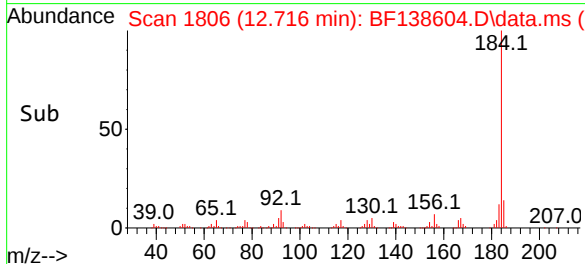
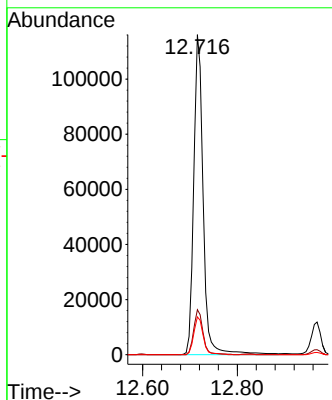
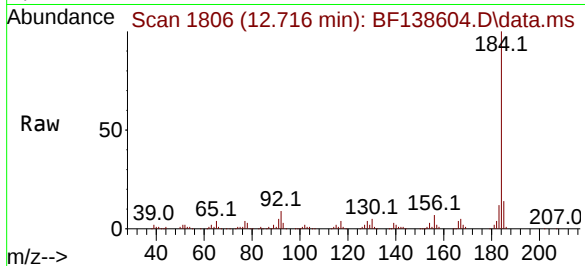




#77  
Benzidine  
Concen: 27.864 ng  
RT: 12.716 min Scan# 1806  
Delta R.T. -0.005 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

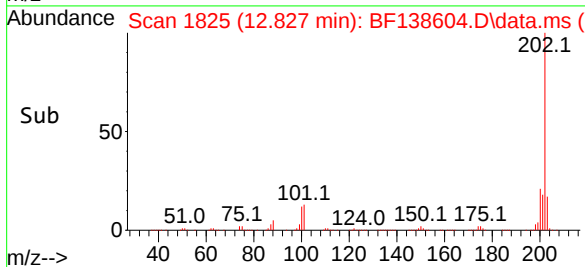
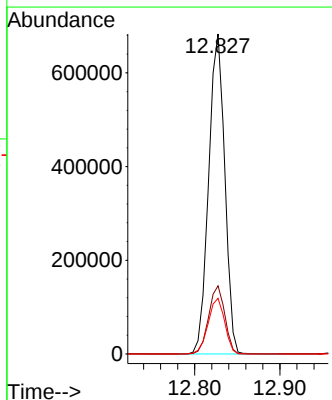
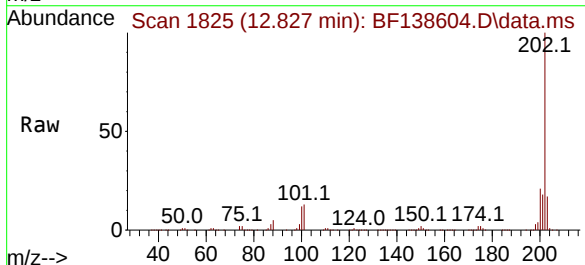
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

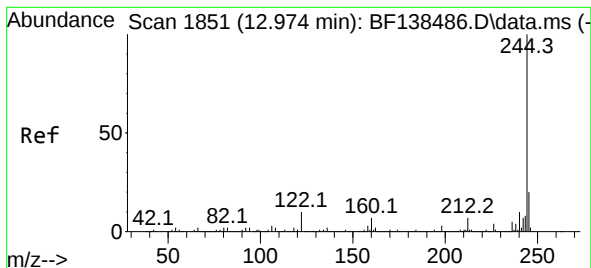
Tgt Ion:184 Resp: 161208  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.3 16.9  
183 11.8 9.5 14.3



#78  
Pyrene  
Concen: 38.556 ng  
RT: 12.827 min Scan# 1825  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:202 Resp: 897519  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.0 25.6  
203 17.4 13.7 20.5





#79

Terphenyl-d14

Concen: 84.131 ng

RT: 12.969 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

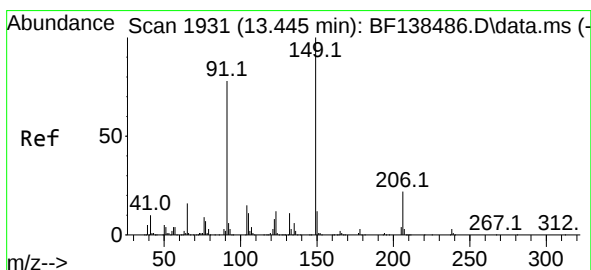
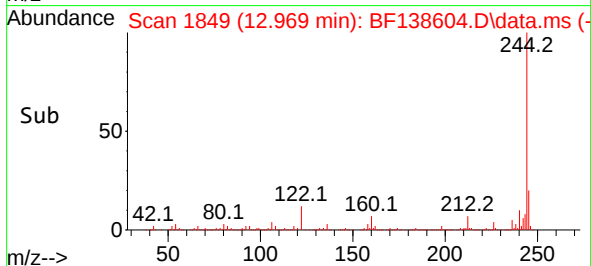
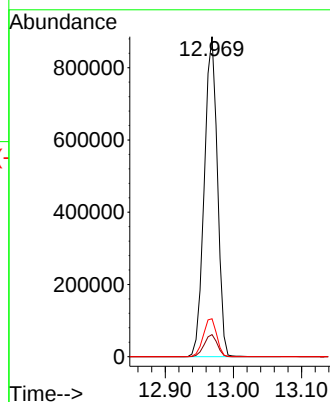
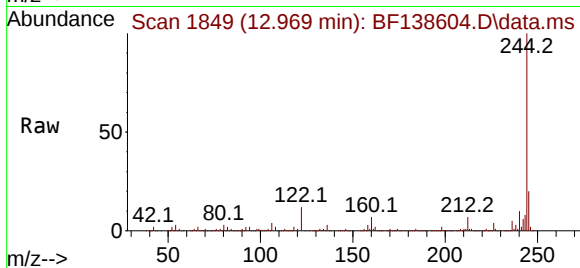
Tgt Ion:244 Resp: 1184213

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.8 7.8 11.8#



#80

Butylbenzylphthalate

Concen: 53.637 ng

RT: 13.439 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

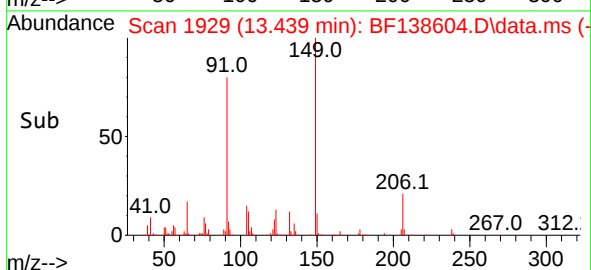
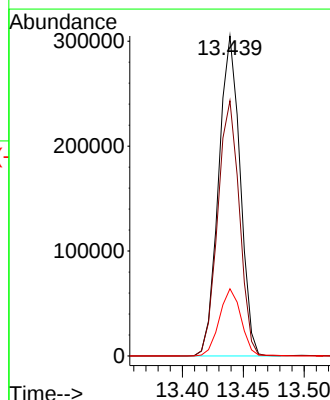
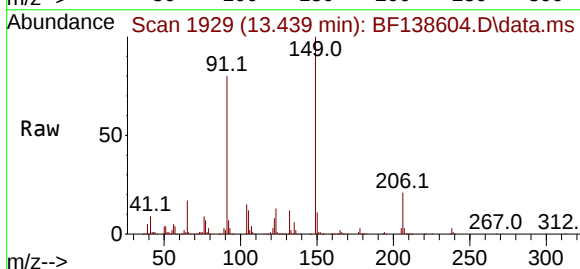
Tgt Ion:149 Resp: 375598

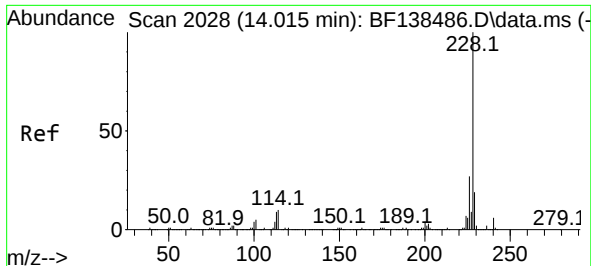
Ion Ratio Lower Upper

149 100

91 79.8 62.1 93.1

206 21.0 18.0 27.0

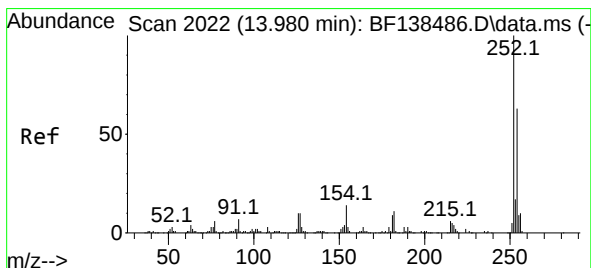
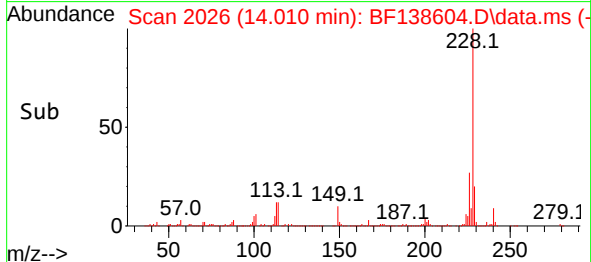
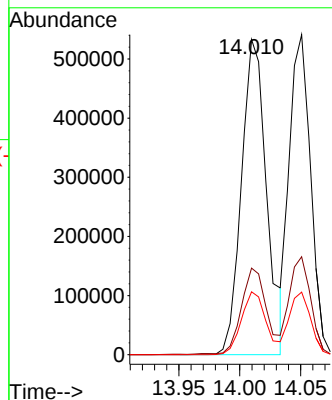
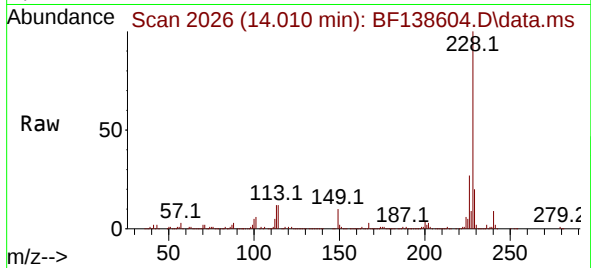




#81  
Benzo(a)anthracene  
Concen: 49.835 ng  
RT: 14.010 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

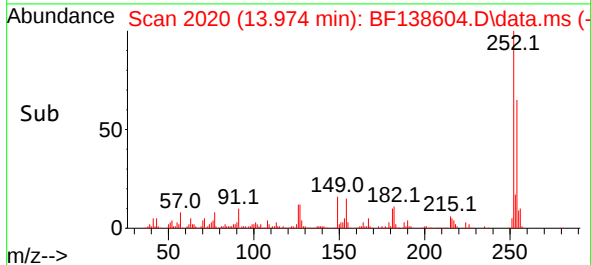
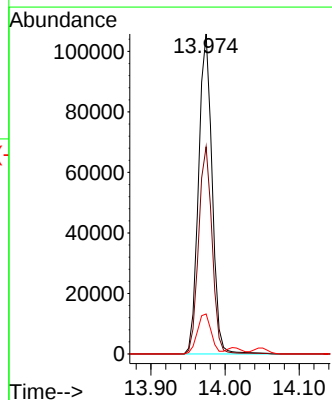
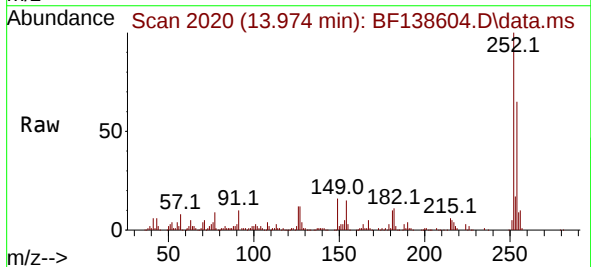
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

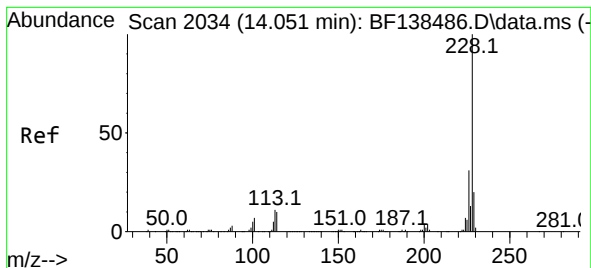
Tgt Ion:228 Resp: 766802  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.9 32.9  
229 20.0 15.5 23.3



#82  
3,3'-Dichlorobenzidine  
Concen: 33.814 ng  
RT: 13.974 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:252 Resp: 134065  
Ion Ratio Lower Upper  
252 100  
254 64.8 50.3 75.5  
126 12.5 8.1 12.1#





#83

Chrysene

Concen: 45.283 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

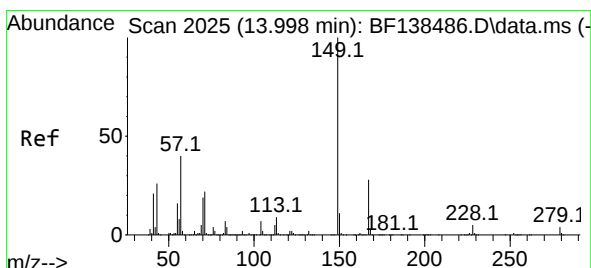
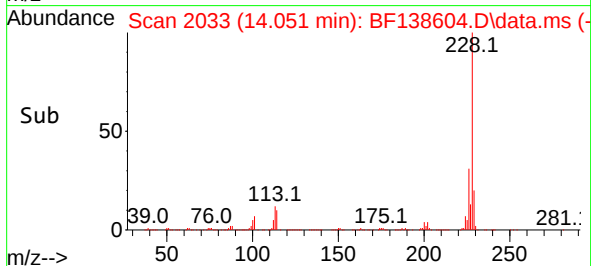
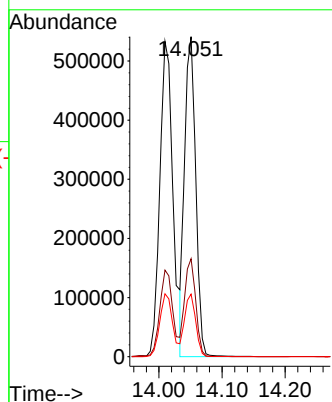
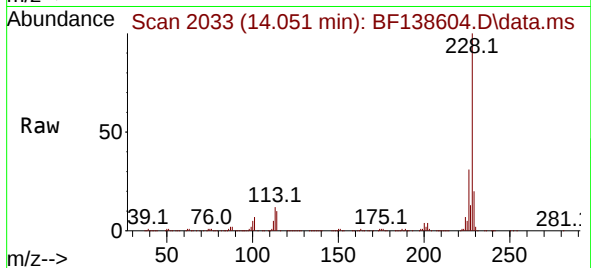
Tgt Ion:228 Resp: 659136

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 19.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.691 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

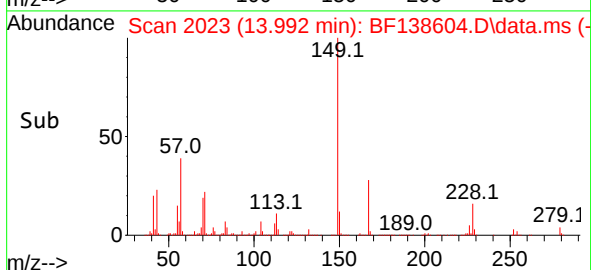
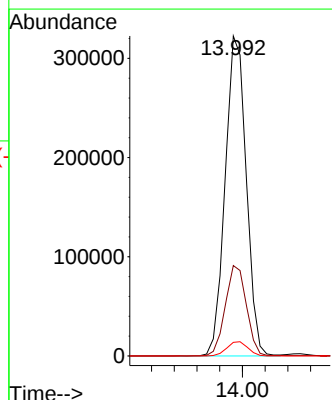
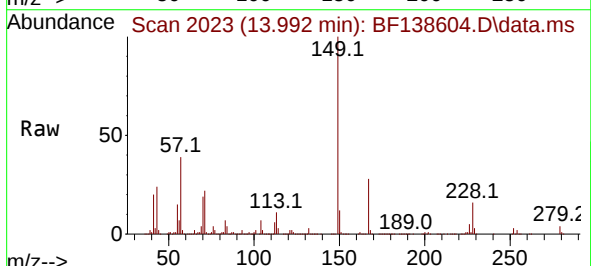
Tgt Ion:149 Resp: 415918

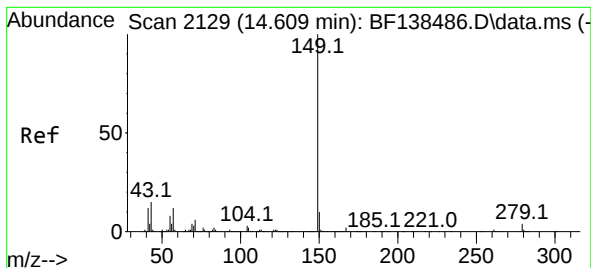
Ion Ratio Lower Upper

149 100

167 28.2 22.5 33.7

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 41.197 ng

RT: 14.604 min Scan# 2129

Delta R.T. -0.005 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

Instrument :

BNA\_F

ClientSampleId :

PB162114BS

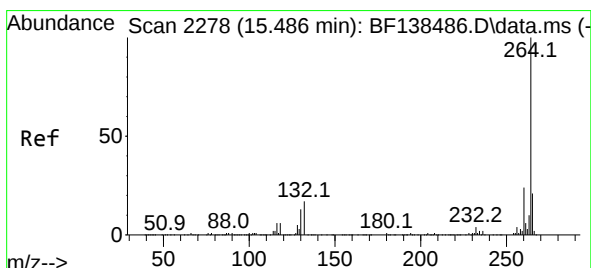
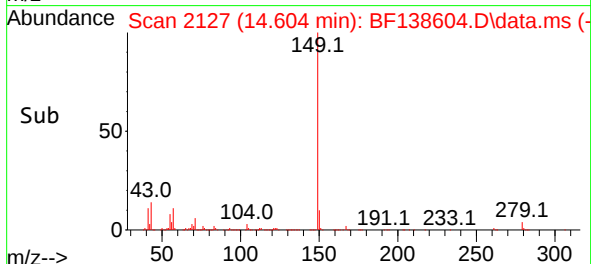
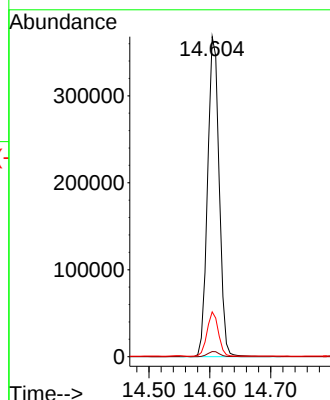
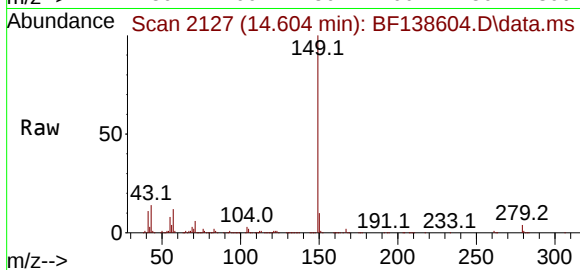
Tgt Ion:149 Resp: 486043

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 13.4 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.000 min

Lab File: BF138604.D

Acq: 22 Jul 2024 13:10

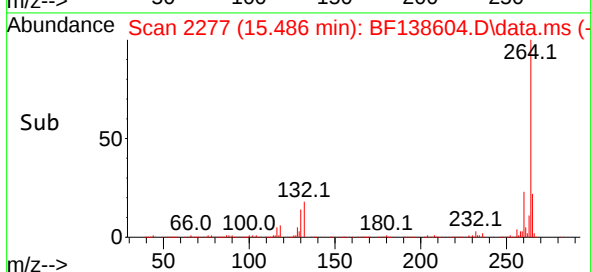
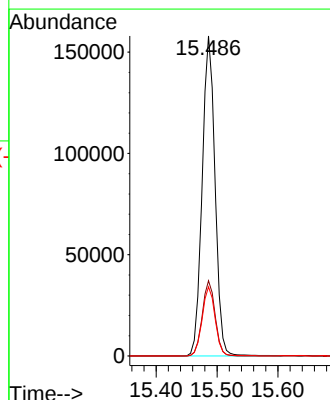
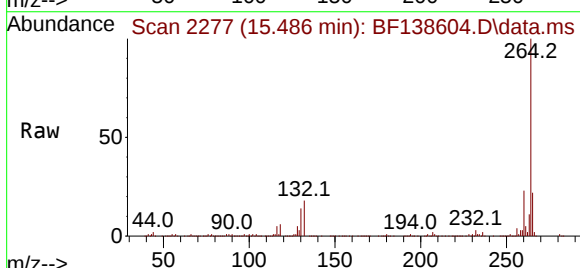
Tgt Ion:264 Resp: 232363

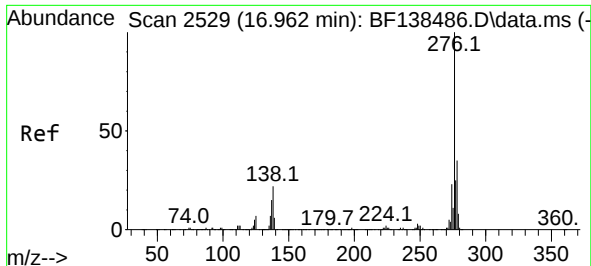
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.6 17.0 25.4

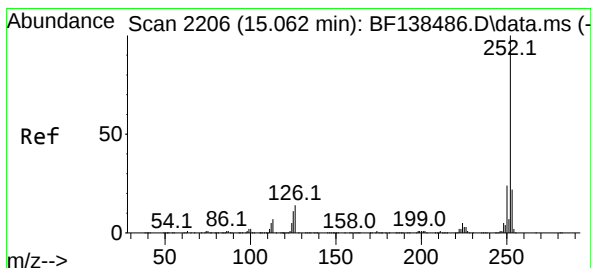
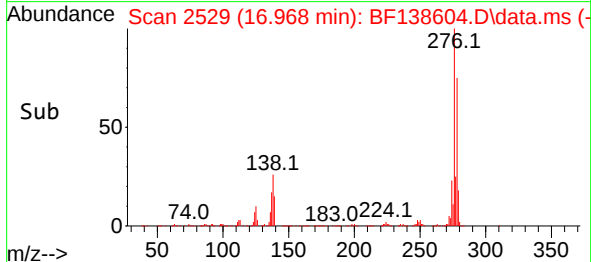
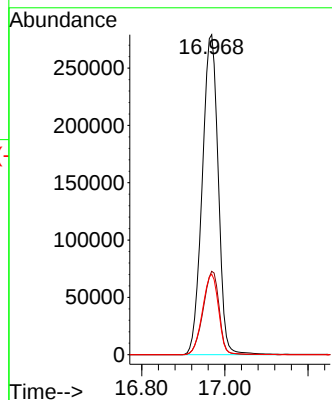
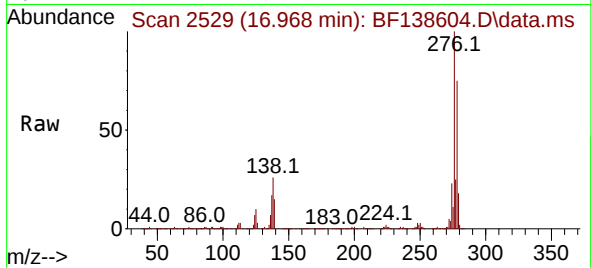




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 47.819 ng  
 RT: 16.968 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF138604.D  
 Acq: 22 Jul 2024 13:10

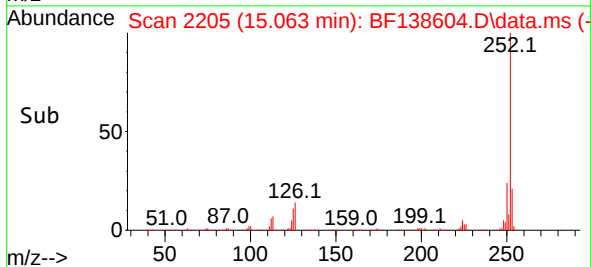
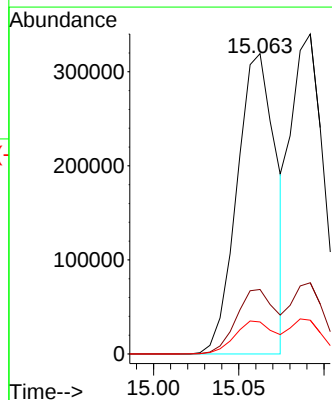
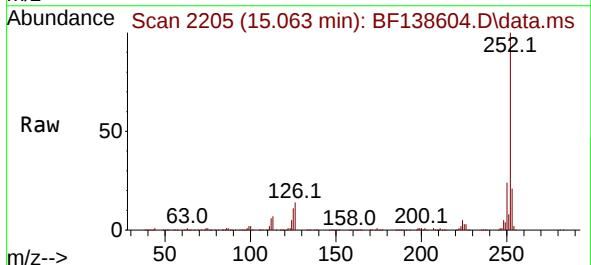
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162114BS

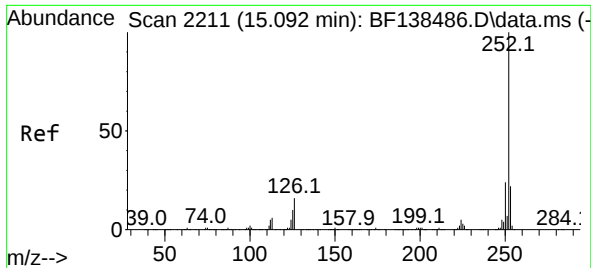
Tgt Ion:276 Resp: 746350  
 Ion Ratio Lower Upper  
 276 100  
 138 26.0 19.6 29.4  
 277 25.3 20.5 30.7



#88  
 Benzo(b)fluoranthene  
 Concen: 38.680 ng  
 RT: 15.063 min Scan# 2205  
 Delta R.T. 0.000 min  
 Lab File: BF138604.D  
 Acq: 22 Jul 2024 13:10

Tgt Ion:252 Resp: 506169  
 Ion Ratio Lower Upper  
 252 100  
 253 21.5 17.3 25.9  
 125 10.7 8.6 13.0

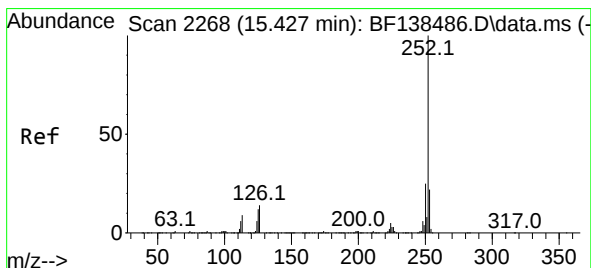
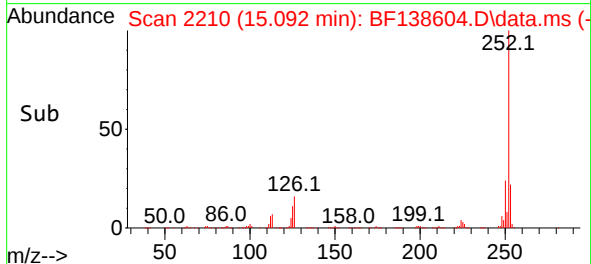
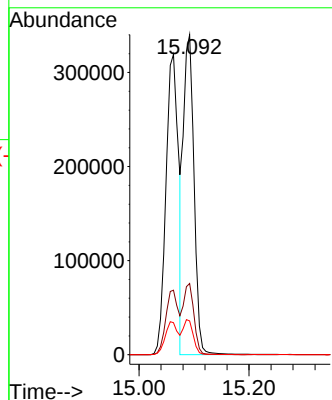
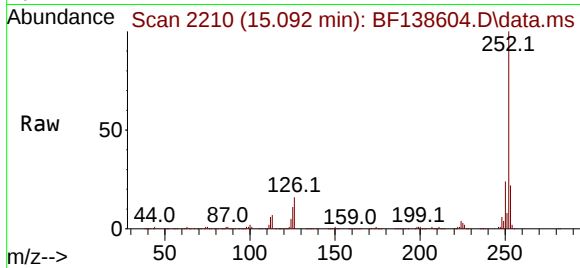




#89  
Benzo(k)fluoranthene  
Concen: 35.879 ng  
RT: 15.092 min Scan# 2111  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

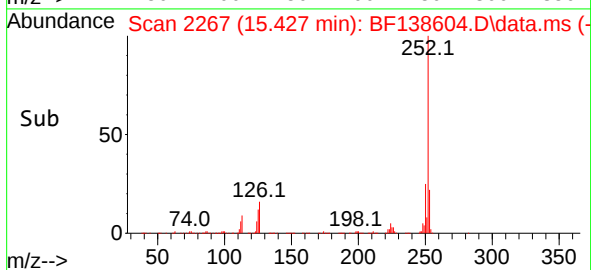
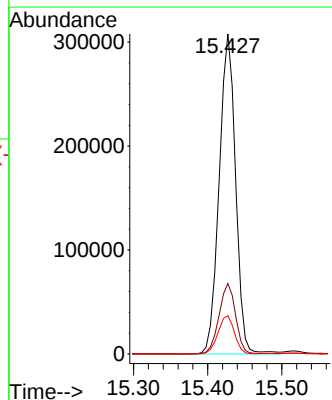
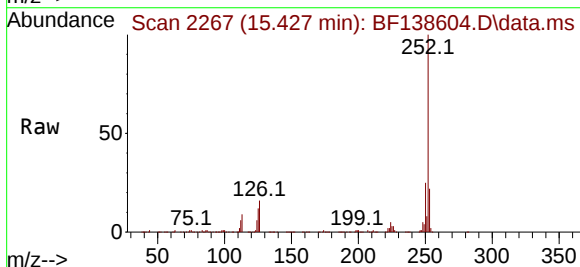
Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

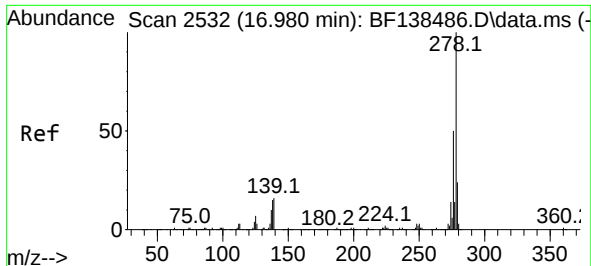
Tgt Ion:252 Resp: 457913  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.7 26.5  
125 10.6 8.1 12.1



#90  
Benzo(a)pyrene  
Concen: 41.234 ng  
RT: 15.427 min Scan# 2267  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:252 Resp: 474011  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.4 26.0  
125 11.9 9.4 14.2

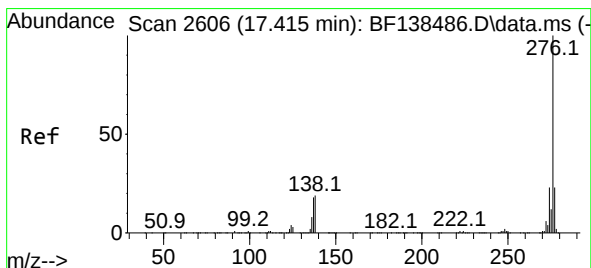
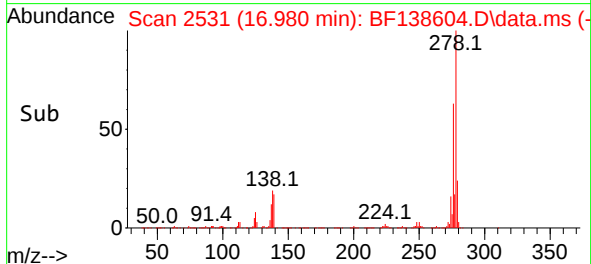
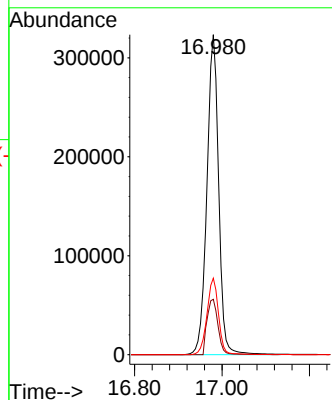
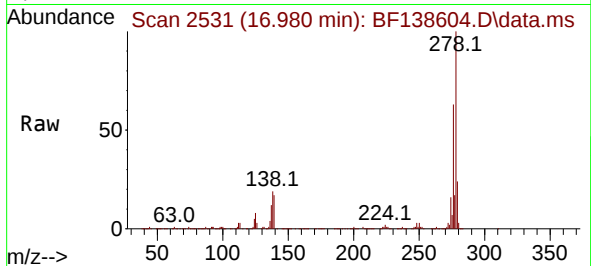




#91  
Dibenzo(a,h)anthracene  
Concen: 47.463 ng  
RT: 16.980 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Instrument :  
BNA\_F  
ClientSampleId :  
PB162114BS

Tgt Ion:278 Resp: 605978  
Ion Ratio Lower Upper  
278 100  
139 17.3 12.8 19.2  
279 23.9 19.1 28.7



#92  
Benzo(g,h,i)perylene  
Concen: 33.510 ng  
RT: 17.409 min Scan# 2604  
Delta R.T. -0.006 min  
Lab File: BF138604.D  
Acq: 22 Jul 2024 13:10

Tgt Ion:276 Resp: 453678  
Ion Ratio Lower Upper  
276 100  
277 23.8 18.0 27.0  
138 22.8 15.5 23.3

