

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072524\  
 Data File : BF138651.D  
 Acq On : 25 Jul 2024 14:01  
 Operator : RC/JU  
 Sample : PB162271BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162271BS

Quant Time: Jul 25 15:06:34 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     | 6.857  | 152  | 90386    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.139  | 136  | 369007   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.892  | 164  | 202918   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.380 | 188  | 337673   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 156222   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.480 | 264  | 162138   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 711088   | 124.598 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 952736   | 125.491 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 627259   | 83.459  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 244566   | 128.958 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1069426  | 82.369  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.963 | 244  | 994757   | 103.735 | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 88523    | 35.022  | ng    | 98       |
| 3) Pyridine                   | 3.481  | 79   | 232881   | 37.361  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 177304   | 43.695  | ng    | 91       |
| 6) Aniline                    | 6.522  | 93   | 247785   | 34.845  | ng    | # 51     |
| 8) 2-Chlorophenol             | 6.645  | 128  | 289284   | 47.937  | ng    | 99       |
| 9) Benzaldehyde               | 6.404  | 77   | 22706    | 5.588   | ng    | 99       |
| 10) Phenol                    | 6.510  | 94   | 371359   | 46.082  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.592  | 93   | 285809   | 47.106  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 294112   | 43.359  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 302583   | 43.928  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.022  | 146  | 285964   | 44.574  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 270933   | 47.552  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128  | 45   | 500483   | 41.946  | ng    | 75       |
| 17) 2-Methylphenol            | 7.116  | 107  | 232387   | 46.987  | ng    | # 92     |
| 18) Hexachloroethane          | 7.363  | 117  | 114650   | 45.275  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 220947   | 47.099  | ng    | 91       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 290641   | 46.667  | ng    | 90       |
| 22) Acetophenone              | 7.269  | 105  | 379459   | 42.340  | ng    | 99       |
| 24) Nitrobenzene              | 7.439  | 77   | 335153   | 43.882  | ng    | 99       |
| 25) Isophorone                | 7.681  | 82   | 593773   | 46.004  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 155615   | 47.538  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.792  | 122  | 210699   | 52.369  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.886  | 93   | 354817   | 45.999  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.998  | 162  | 235073   | 44.993  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.080  | 180  | 251806   | 41.372  | ng    | 99       |
| 31) Naphthalene               | 8.163  | 128  | 845423   | 44.052  | ng    | 99       |
| 32) Benzoic acid              | 7.933  | 122  | 119572   | 31.160  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 154650   | 22.967  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.269  | 225  | 150150   | 40.062  | ng    | 99       |
| 35) Caprolactam               | 8.592  | 113  | 44407    | 26.340  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 268954   | 45.982  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 543642   | 44.019  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 503927   | 41.809  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.016  | 216  | 222813   | 39.398  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.998  | 237  | 194101   | 105.739 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.133  | 196  | 156431   | 43.363  | ng    | 99       |

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 ALS Vial : 5 Sample Multiplier: 1

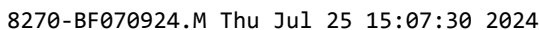
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 BNA\_F  
 ClientSampleId :  
 PB162271BS

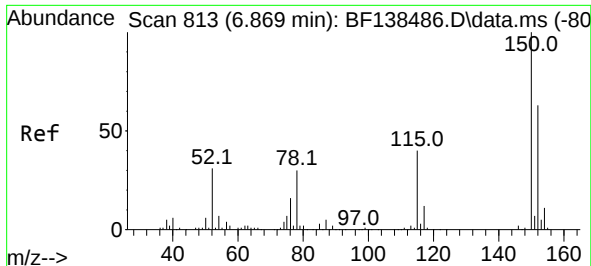
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.180  | 196  | 163061   | 41.096 | ng    | # 94     |
| 46) 1,1'-Biphenyl             | 9.316  | 154  | 630482   | 40.999 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.339  | 162  | 503333   | 43.326 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.439  | 65   | 188718   | 46.877 | ng    | 96       |
| 49) Acenaphthylene            | 9.757  | 152  | 788038   | 47.777 | ng    | 100      |
| 50) Dimethylphthalate         | 9.616  | 163  | 597702   | 45.553 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.680  | 165  | 134812   | 44.624 | ng    | 88       |
| 52) Acenaphthene              | 9.927  | 154  | 484241   | 44.167 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.851  | 138  | 89533    | 28.915 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 124422   | 76.928 | ng    | 94       |
| 55) Dibenzofuran              | 10.098 | 168  | 704606   | 44.307 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.027 | 139  | 172842   | 75.652 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 176184   | 45.073 | ng    | 94       |
| 58) Fluorene                  | 10.445 | 166  | 553957   | 44.024 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 136760   | 43.673 | ng    | 96       |
| 60) Diethylphthalate          | 10.316 | 149  | 574432   | 45.412 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.433 | 204  | 268553   | 42.502 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 130196   | 41.960 | ng    | 99       |
| 63) Azobenzene                | 10.592 | 77   | 628934   | 46.246 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 97751    | 50.135 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 480129   | 47.458 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.921 | 248  | 161552   | 46.548 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.986 | 284  | 175034   | 45.397 | ng    | 99       |
| 69) Atrazine                  | 11.080 | 200  | 148077   | 44.147 | ng    | 97       |
| 70) Pentachlorophenol         | 11.186 | 266  | 171036   | 74.967 | ng    | 97       |
| 71) Phenanthrene              | 11.404 | 178  | 802979   | 47.069 | ng    | 100      |
| 72) Anthracene                | 11.457 | 178  | 816053   | 48.189 | ng    | 99       |
| 73) Carbazole                 | 11.610 | 167  | 687179   | 45.155 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 852642   | 48.606 | ng    | 99       |
| 75) Fluoranthene              | 12.592 | 202  | 759800   | 43.648 | ng    | 98       |
| 77) Benzidine                 | 12.710 | 184  | 107730   | 27.333 | ng    | 98       |
| 78) Pyrene                    | 12.821 | 202  | 751701   | 47.400 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 256489   | 53.765 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 500752   | 47.770 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 91031    | 33.702 | ng    | 97       |
| 83) Chrysene                  | 14.045 | 228  | 467491   | 47.143 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149  | 276631   | 54.370 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 428717   | 53.339 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.956 | 276  | 519732   | 47.722 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 452659   | 49.573 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.080 | 252  | 374464   | 42.049 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.421 | 252  | 395648   | 49.325 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 412317   | 46.282 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.398 | 276  | 410006   | 43.401 | ng    | 98       |

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

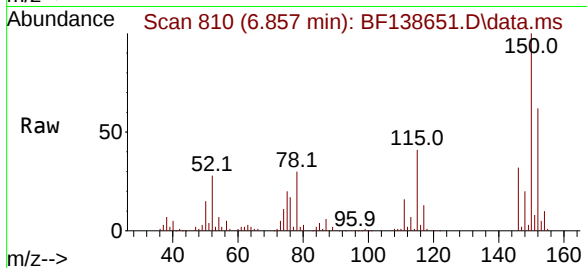
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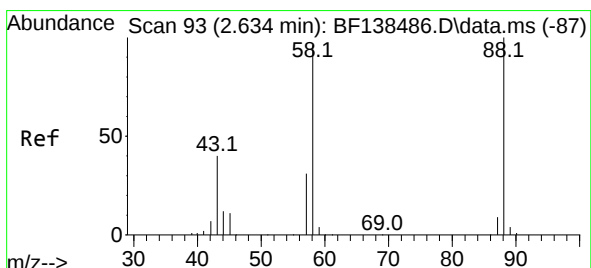
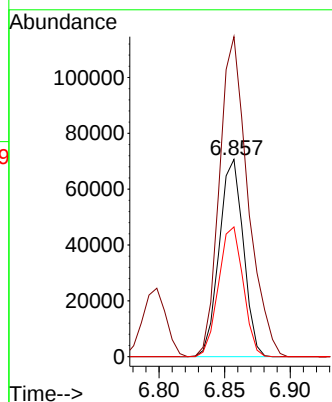
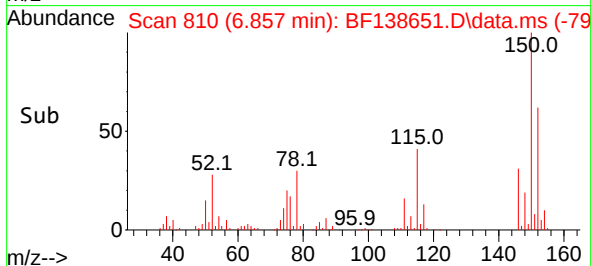


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.857 min Scan# 81  
 Delta R.T. -0.012 min  
 Lab File: BF138651.D  
 Acq: 25 Jul 2024 14:01

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 PB162271BS

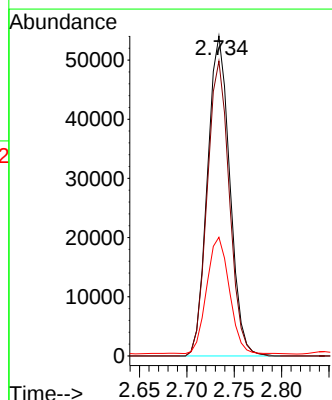
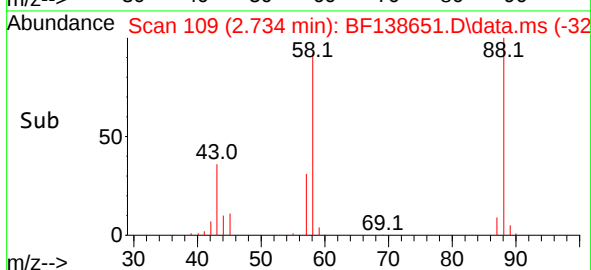
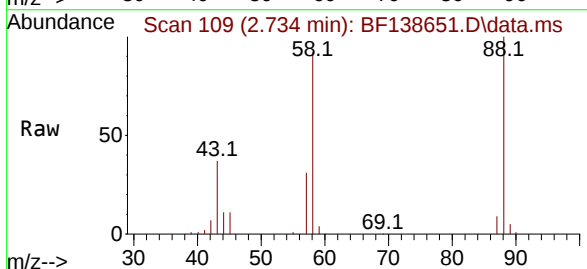


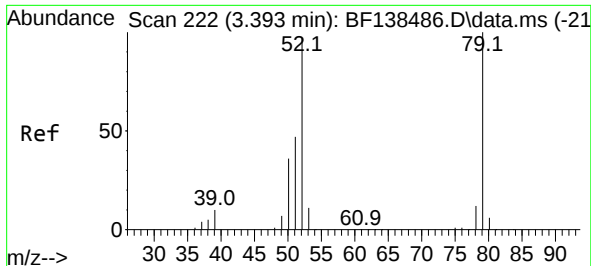
Tgt Ion:152 Resp: 90386  
 Ion Ratio Lower Upper  
 152 100  
 150 162.3 126.2 189.4  
 115 65.8 50.3 75.5



#2  
 1,4-Dioxane  
 Concen: 35.022 ng  
 RT: 2.734 min Scan# 109  
 Delta R.T. 0.100 min  
 Lab File: BF138651.D  
 Acq: 25 Jul 2024 14:01

Tgt Ion: 88 Resp: 88523  
 Ion Ratio Lower Upper  
 88 100  
 58 91.2 74.6 112.0  
 43 37.7 31.8 47.6

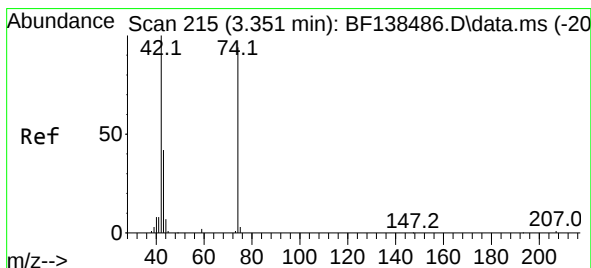
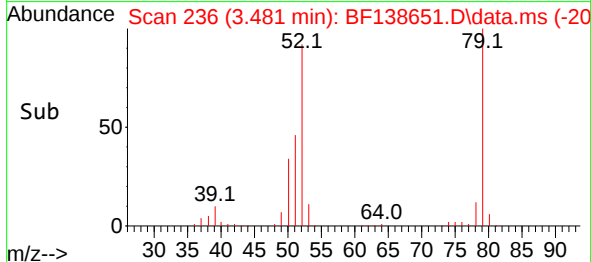
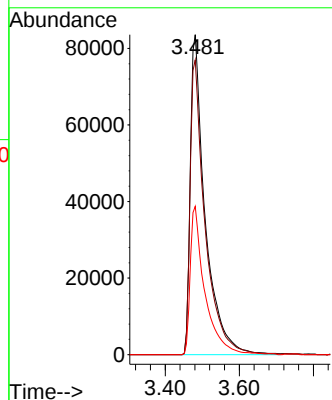
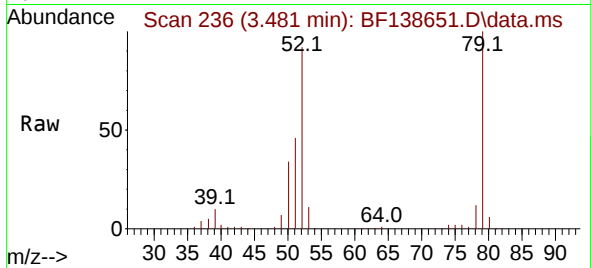




#3  
Pyridine  
Concen: 37.361 ng  
RT: 3.481 min Scan# 21  
Delta R.T. 0.088 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

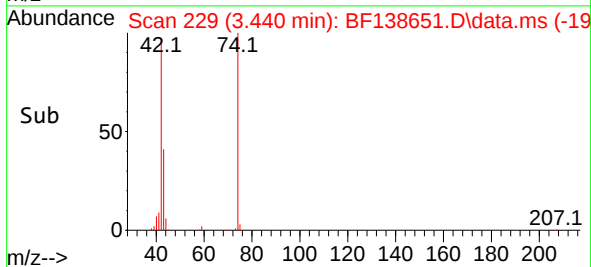
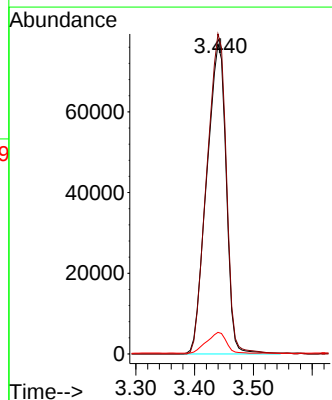
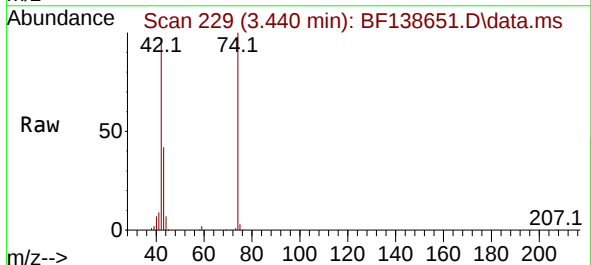
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

Tgt Ion: 79 Resp: 232881  
Ion Ratio Lower Upper  
79 100  
52 92.1 77.4 116.2  
51 46.3 37.4 56.0



#4  
n-Nitrosodimethylamine  
Concen: 43.695 ng  
RT: 3.440 min Scan# 229  
Delta R.T. 0.088 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion: 42 Resp: 177304  
Ion Ratio Lower Upper  
42 100  
74 103.3 75.0 112.6  
44 7.0 5.4 8.2

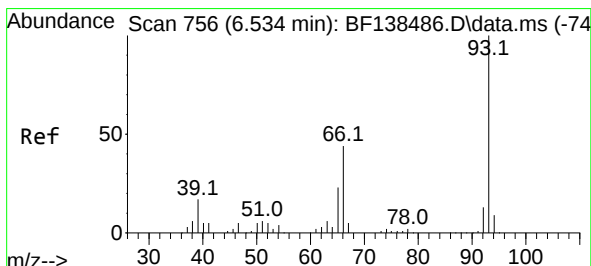
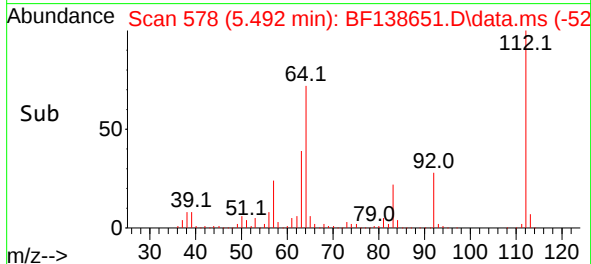
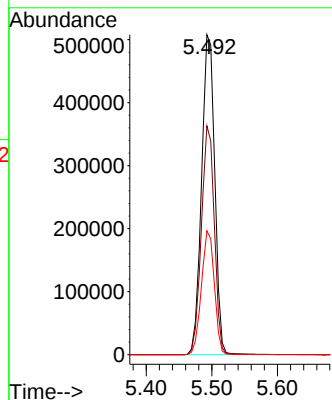
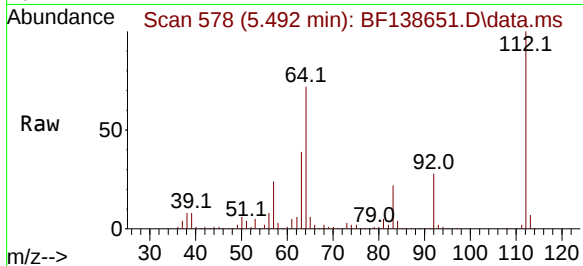




#5  
2-Fluorophenol  
Concen: 124.598 ng  
RT: 5.492 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

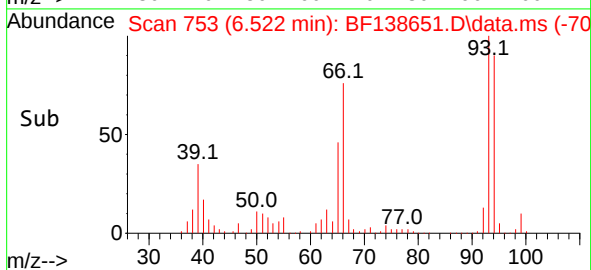
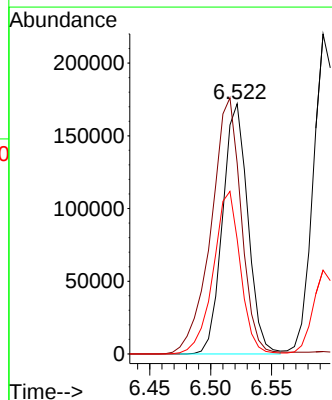
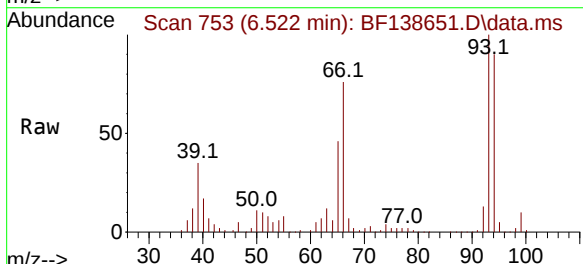
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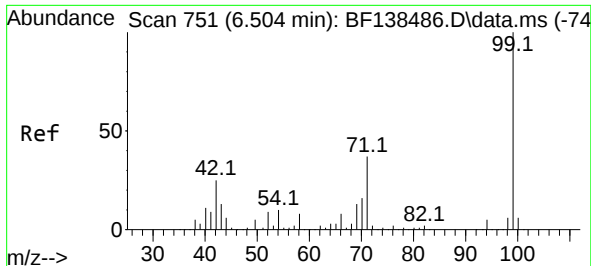
Tgt Ion:112 Resp: 711088  
Ion Ratio Lower Upper  
112 100  
64 71.5 55.1 82.7  
63 38.7 29.0 43.6



#6  
Aniline  
Concen: 34.845 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion: 93 Resp: 247785  
Ion Ratio Lower Upper  
93 100  
66 76.3 35.4 53.0#  
65 45.9 18.6 27.8#

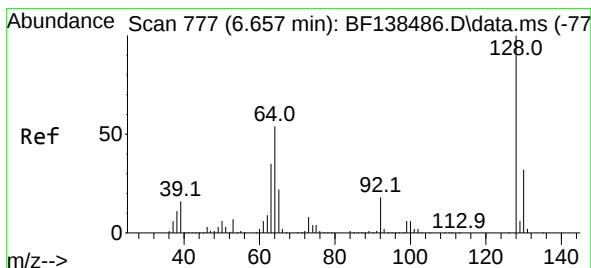
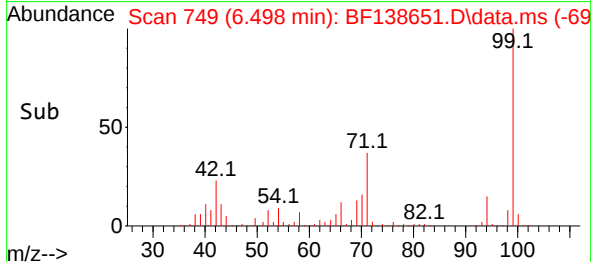
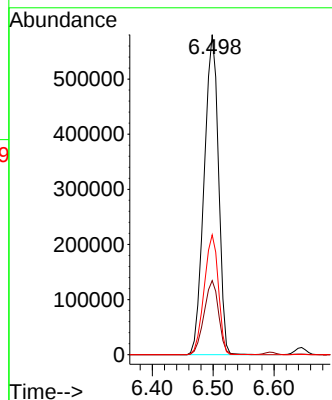
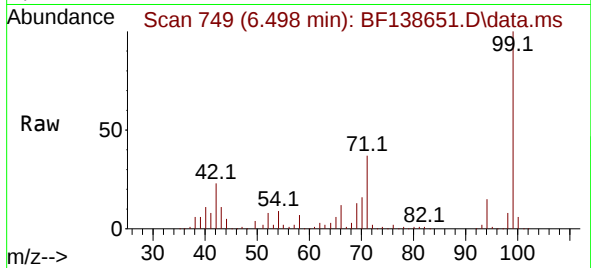




#7  
Phenol-d6  
Concen: 125.491 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

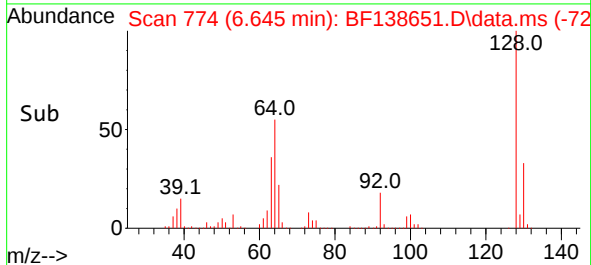
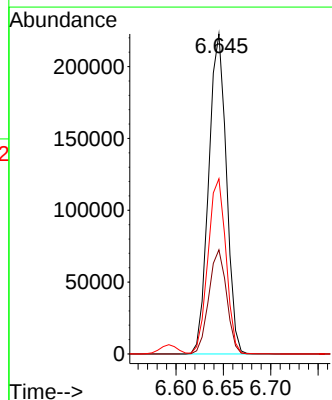
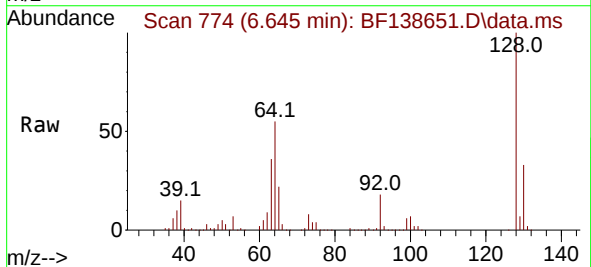
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Tgt Ion: 99 Resp: 952736  
Ion Ratio Lower Upper  
99 100  
42 23.2 19.7 29.5  
71 37.5 29.9 44.9



#8  
2-Chlorophenol  
Concen: 47.937 ng  
RT: 6.645 min Scan# 774  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:128 Resp: 289284  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.1 52.1  
64 54.8 34.4 74.4





#9

Benzaldehyde

Concen: 5.588 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

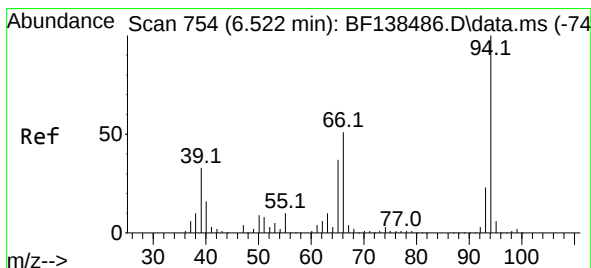
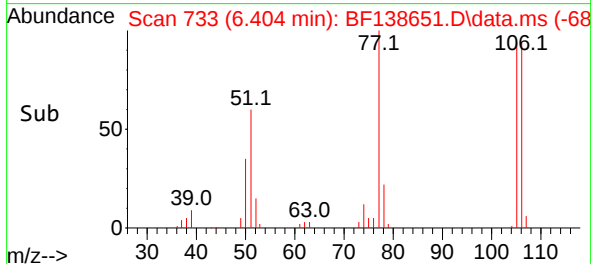
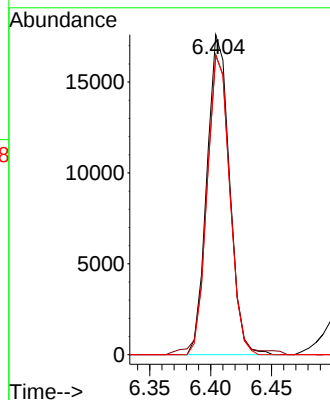
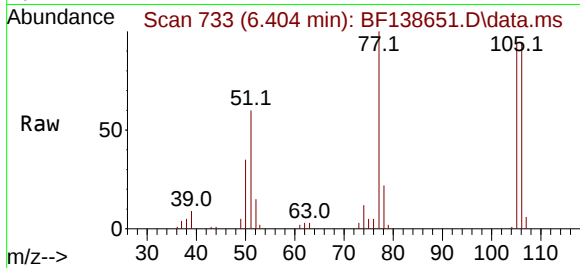
Tgt Ion: 77 Resp: 22706

Ion Ratio Lower Upper

77 100

105 93.5 75.1 115.1

106 93.7 73.2 113.2



#10

Phenol

Concen: 46.082 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

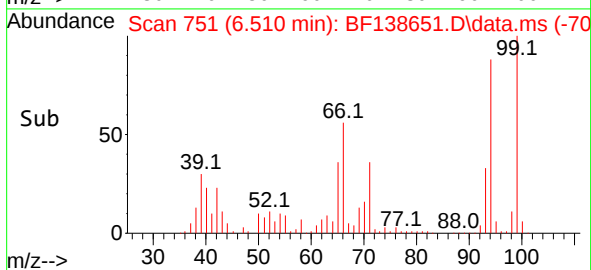
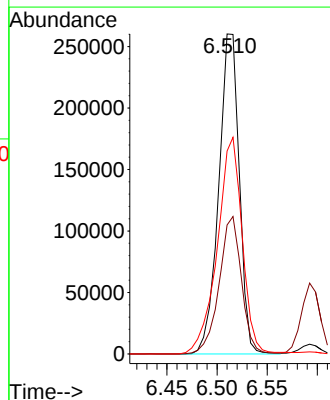
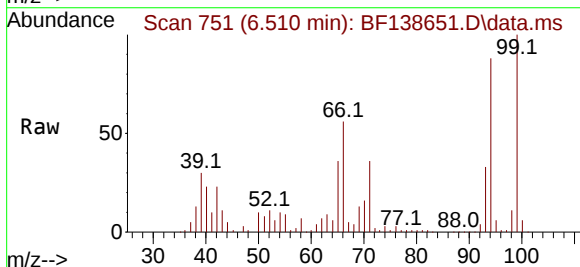
Tgt Ion: 94 Resp: 371359

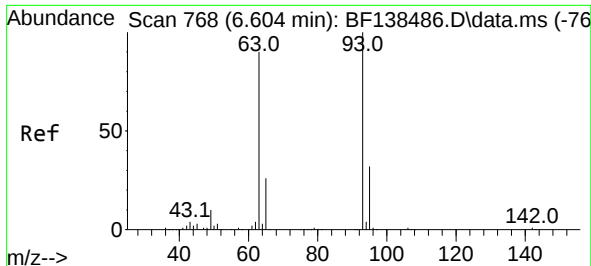
Ion Ratio Lower Upper

94 100

65 40.3 16.7 56.7

66 63.4 31.2 71.2

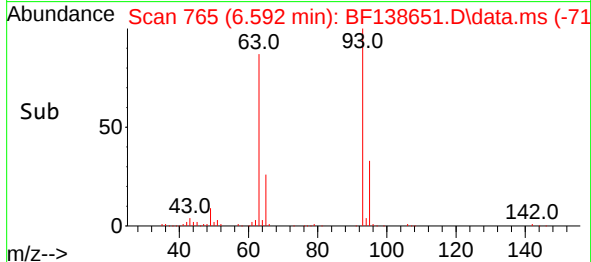
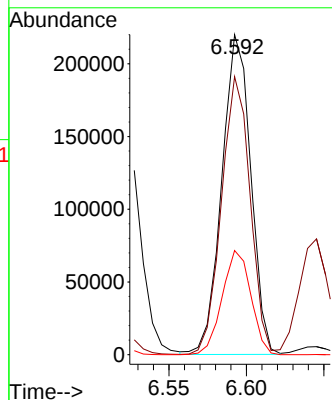
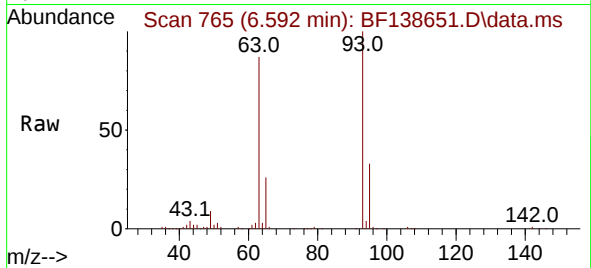




#11  
bis(2-Chloroethyl)ether  
Concen: 47.106 ng  
RT: 6.592 min Scan# 765  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

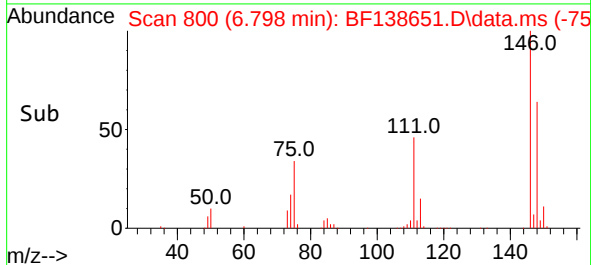
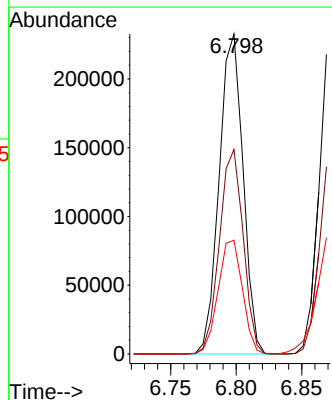
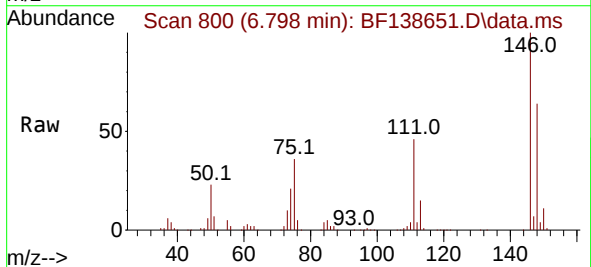
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

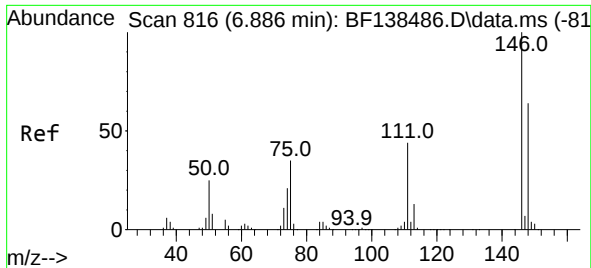
Tgt Ion: 93 Resp: 285809  
Ion Ratio Lower Upper  
93 100  
63 86.9 68.8 108.8  
95 32.6 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 43.359 ng  
RT: 6.798 min Scan# 800  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:146 Resp: 294112  
Ion Ratio Lower Upper  
146 100  
148 63.9 52.4 78.6  
75 35.6 27.8 41.8

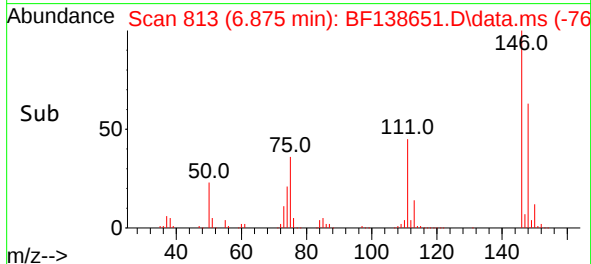
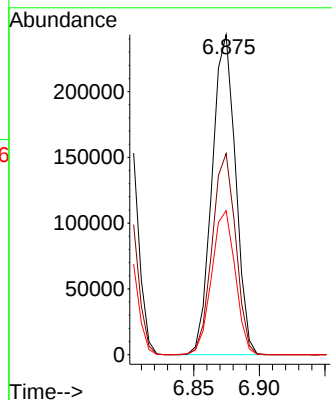
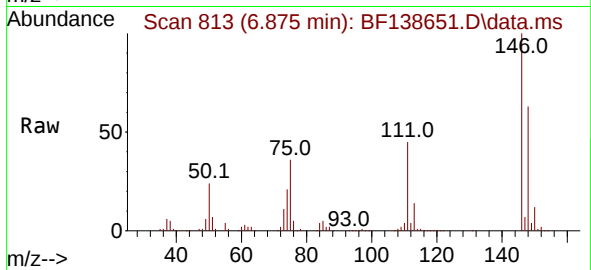




#13  
1,4-Dichlorobenzene  
Concen: 43.928 ng  
RT: 6.875 min Scan# 816  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

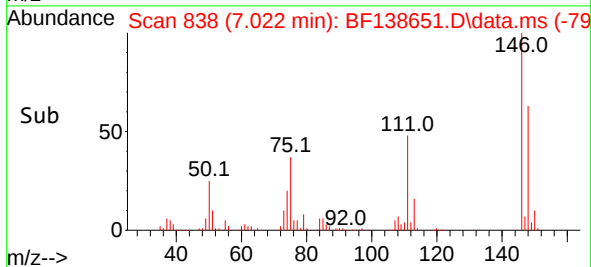
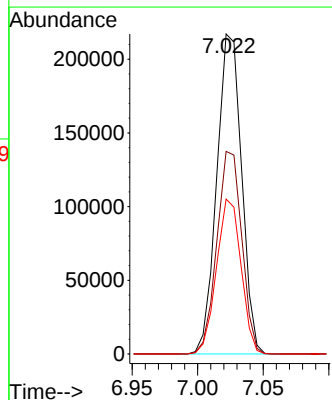
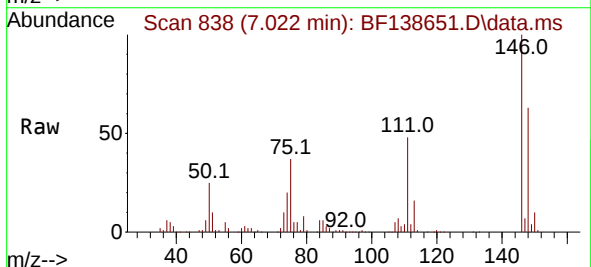
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

Tgt Ion:146 Resp: 302583  
Ion Ratio Lower Upper  
146 100  
148 62.9 51.6 77.4  
111 45.0 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 44.574 ng  
RT: 7.022 min Scan# 838  
Delta R.T. -0.018 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:146 Resp: 285964  
Ion Ratio Lower Upper  
146 100  
148 63.3 50.1 75.1  
111 48.4 35.5 53.3

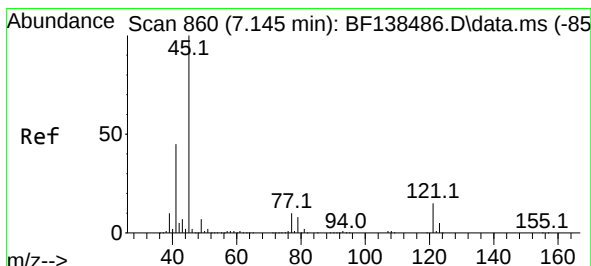
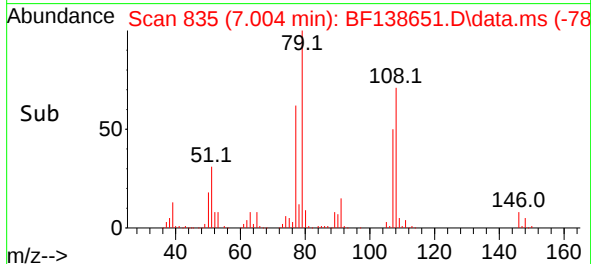
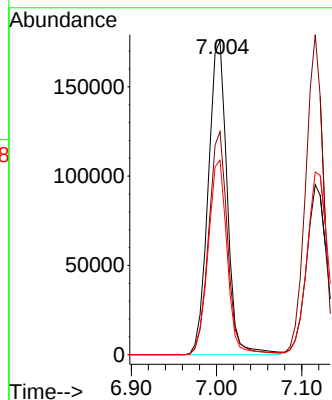
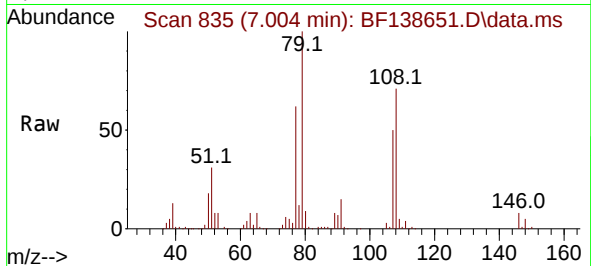




#15  
Benzyl Alcohol  
Concen: 47.552 ng  
RT: 7.004 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

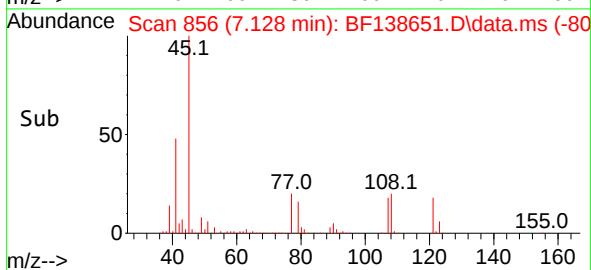
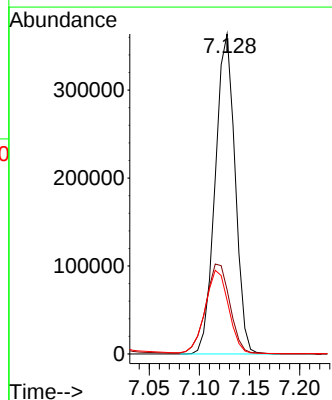
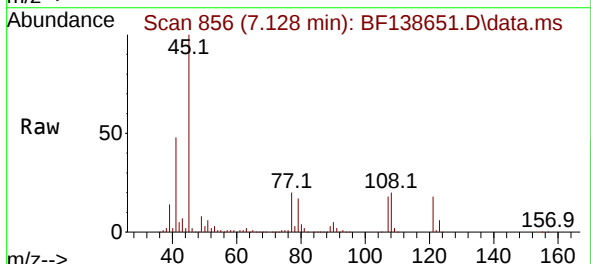
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

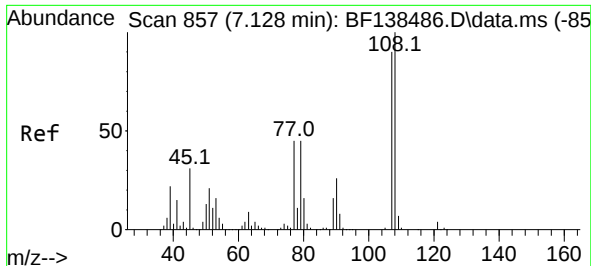
Tgt Ion: 79 Resp: 270933  
Ion Ratio Lower Upper  
79 100  
108 71.1 54.3 81.5  
77 61.9 50.0 75.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.946 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.018 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

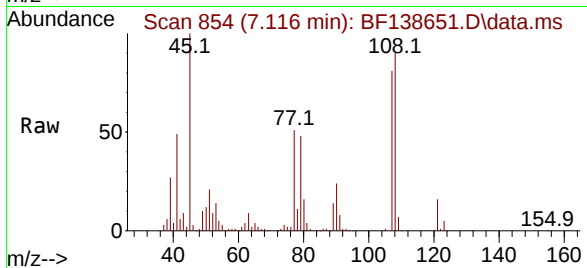
Tgt Ion: 45 Resp: 500483  
Ion Ratio Lower Upper  
45 100  
77 20.0 0.0 30.4  
79 16.8 0.0 28.1



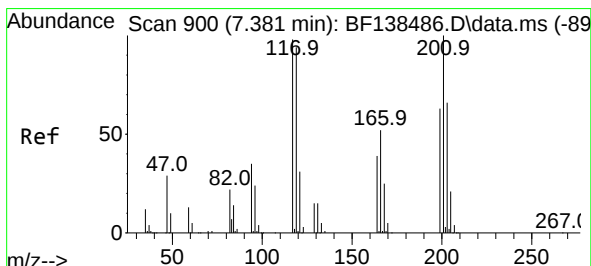
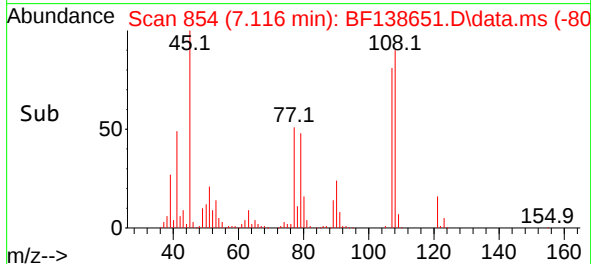
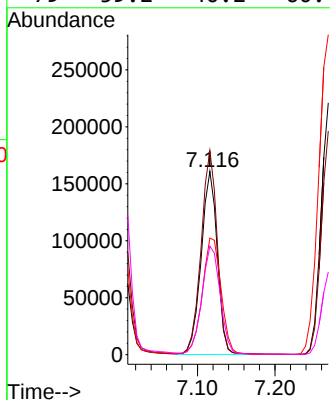


#17  
2-Methylphenol  
Concen: 46.987 ng  
RT: 7.116 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

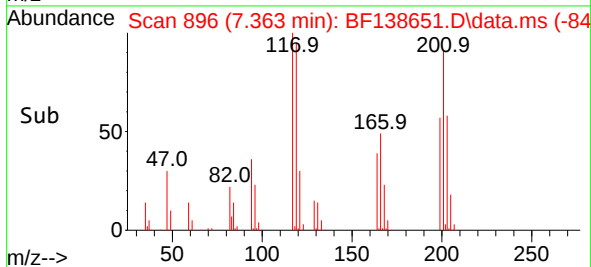
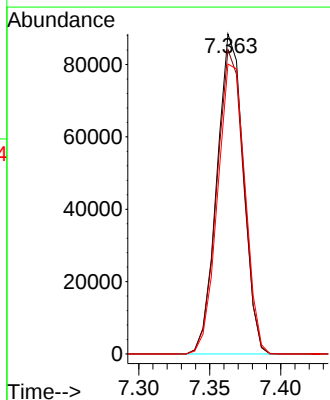
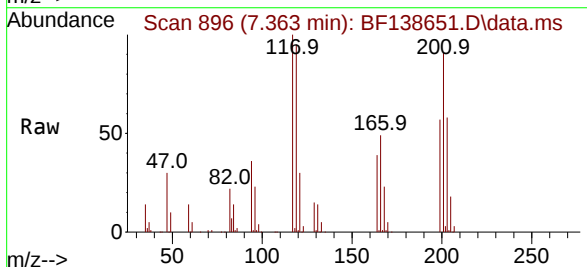


Tgt Ion:107 Resp: 232387  
Ion Ratio Lower Upper  
107 100  
108 111.3 89.0 133.4  
77 63.6 40.3 60.5#  
79 59.2 40.2 60.4



#18  
Hexachloroethane  
Concen: 45.275 ng  
RT: 7.363 min Scan# 896  
Delta R.T. -0.018 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:117 Resp: 114650  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.6 114.8  
201 90.6 81.4 122.0

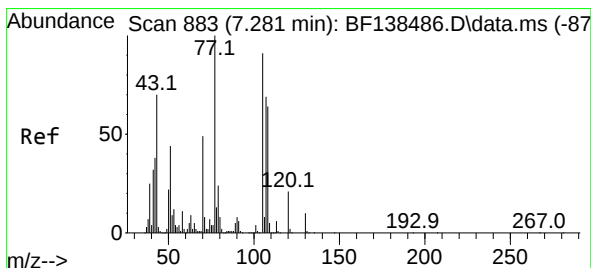
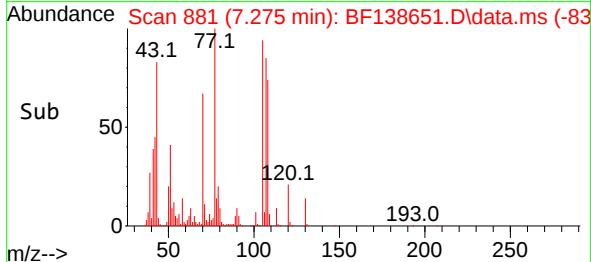
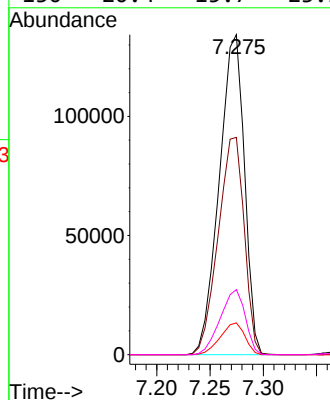
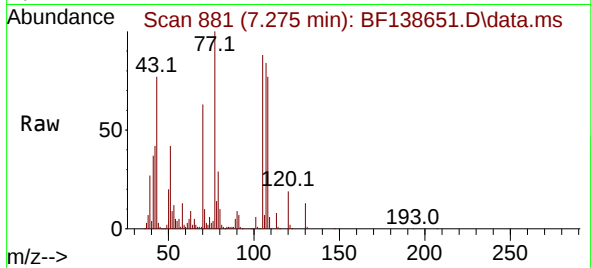




#19  
n-Nitroso-di-n-propylamine  
Concen: 47.099 ng  
RT: 7.275 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

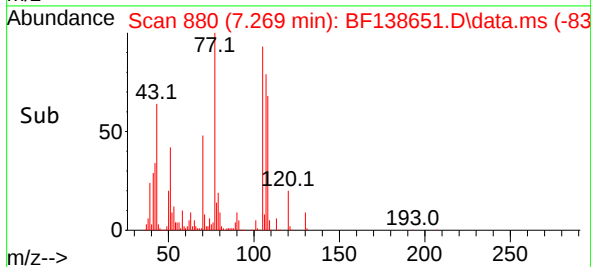
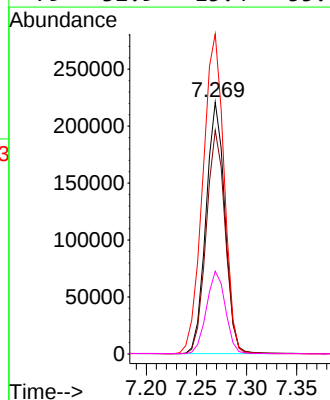
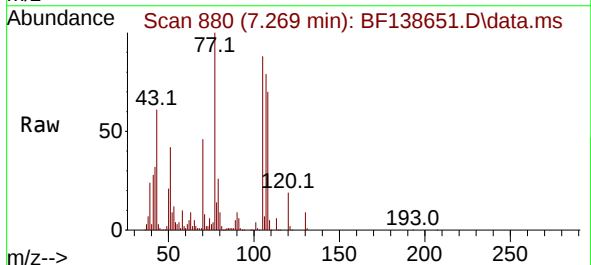
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

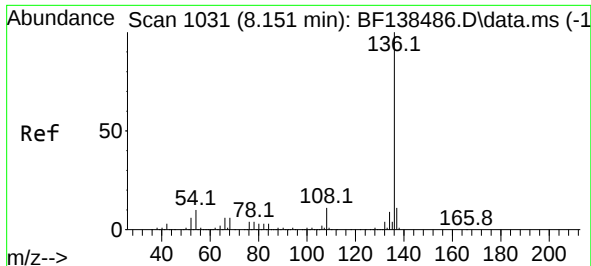
Tgt Ion: 70 Resp: 220947  
Ion Ratio Lower Upper  
70 100  
42 67.9 62.4 93.6  
101 10.0 7.2 10.8  
130 20.4 15.7 23.5



#20  
3+4-Methylphenols  
Concen: 46.667 ng  
RT: 7.269 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:107 Resp: 290641  
Ion Ratio Lower Upper  
107 100  
108 88.8 73.7 113.7  
77 127.1 126.0 166.0  
79 32.9 15.4 55.4

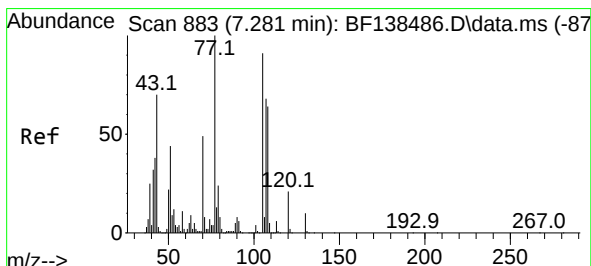
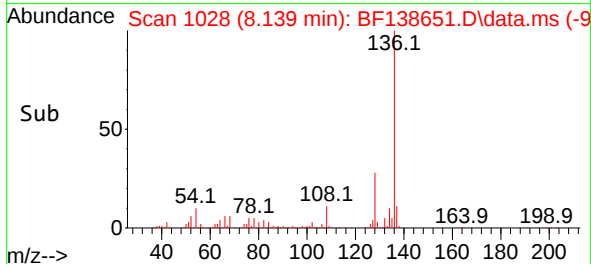
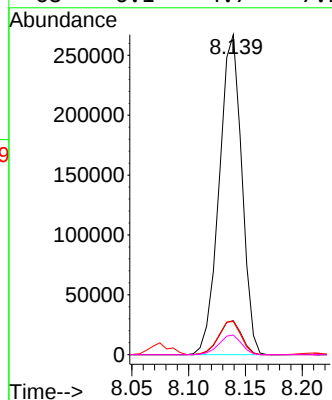
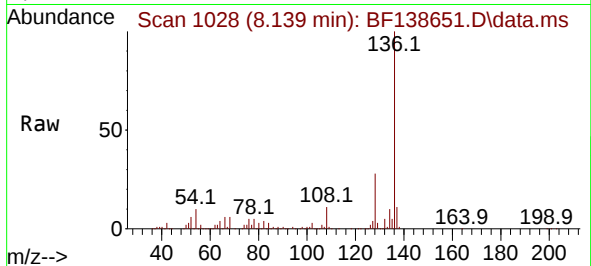




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.139 min Scan# 1031  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

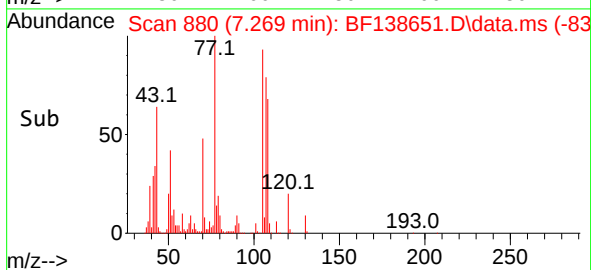
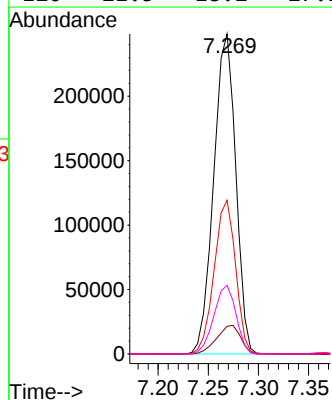
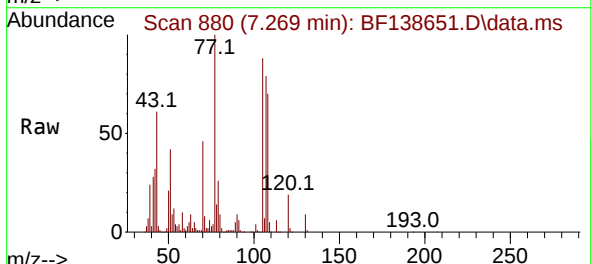
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 369007 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.6    | 8.5 12.7     |
| 54 10.3     | 8.1 12.1     |
| 68 6.1      | 4.7 7.1      |



#22  
Acetophenone  
Concen: 42.340 ng  
RT: 7.269 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 379459 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 8.7     | 7.4   | 11.2   |
| 51  | 48.0    | 38.7  | 58.1   |
| 120 | 21.5    | 18.2  | 27.2   |





#23

Nitrobenzene-d5

Concen: 83.459 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

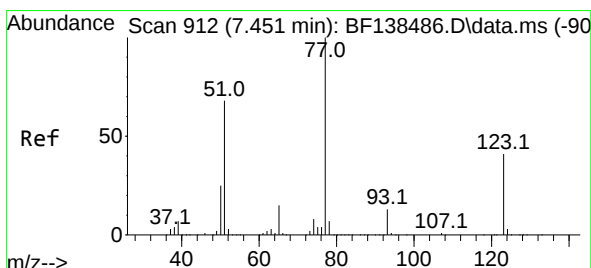
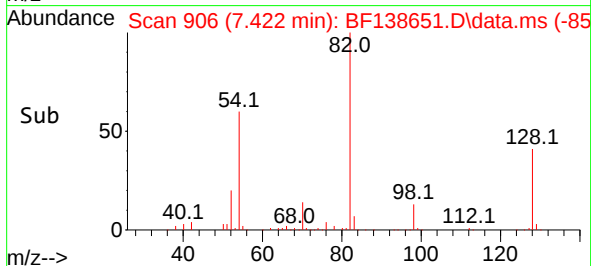
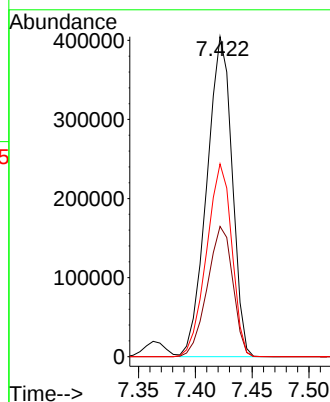
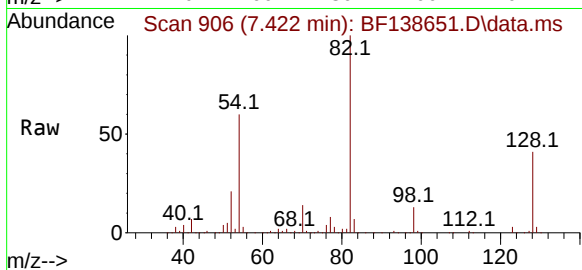
Tgt Ion: 82 Resp: 627259

Ion Ratio Lower Upper

82 100

128 40.7 32.3 48.5

54 60.3 51.4 77.0



#24

Nitrobenzene

Concen: 43.882 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

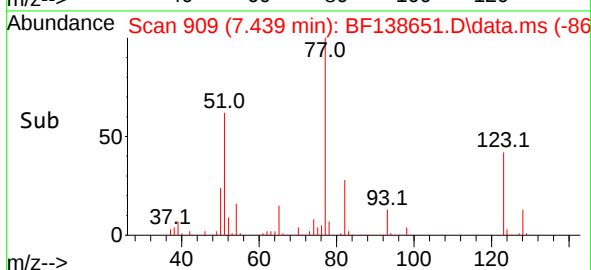
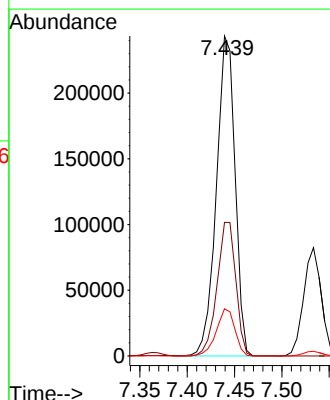
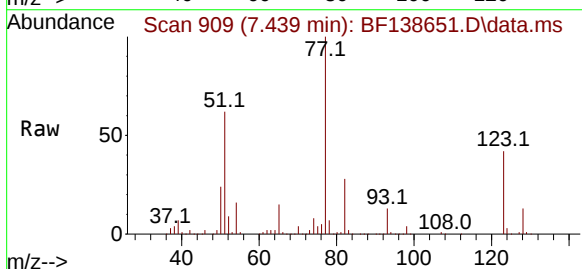
Tgt Ion: 77 Resp: 335153

Ion Ratio Lower Upper

77 100

123 41.7 32.4 48.6

65 14.8 11.8 17.8

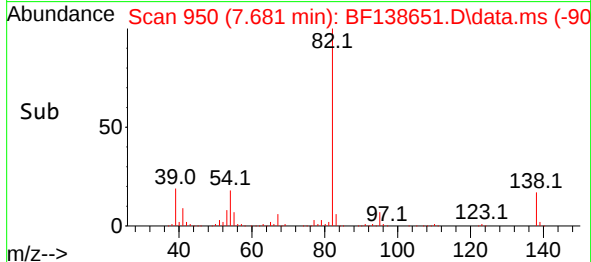
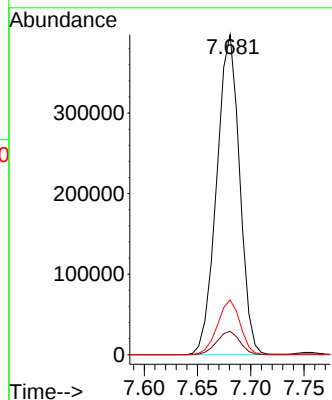
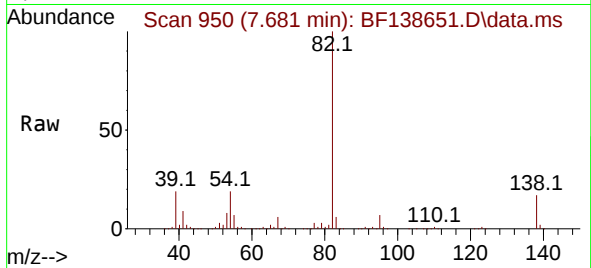




#25  
Isophorone  
Concen: 46.004 ng  
RT: 7.681 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

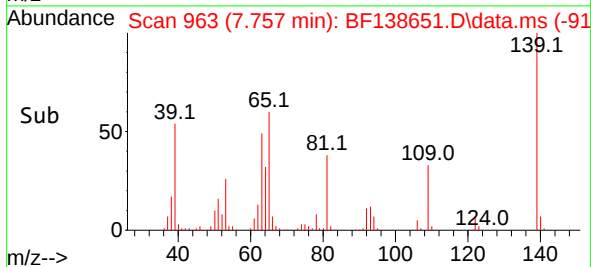
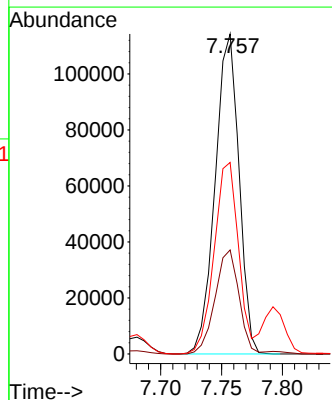
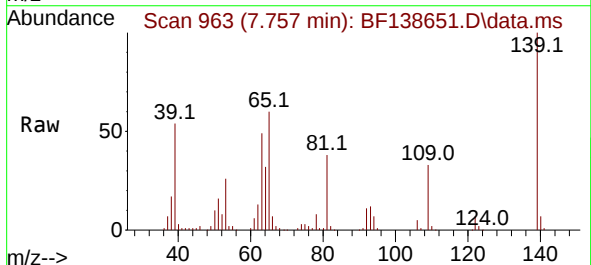
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

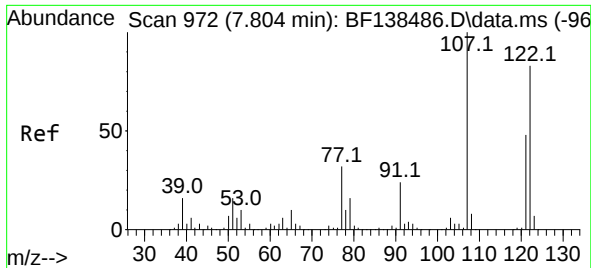
Tgt Ion: 82 Resp: 593773  
Ion Ratio Lower Upper  
82 100  
95 7.3 6.0 9.0  
138 17.1 12.8 19.2



#26  
2-Nitrophenol  
Concen: 47.538 ng  
RT: 7.757 min Scan# 963  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:139 Resp: 155615  
Ion Ratio Lower Upper  
139 100  
109 32.5 24.8 37.2  
65 59.9 45.1 67.7

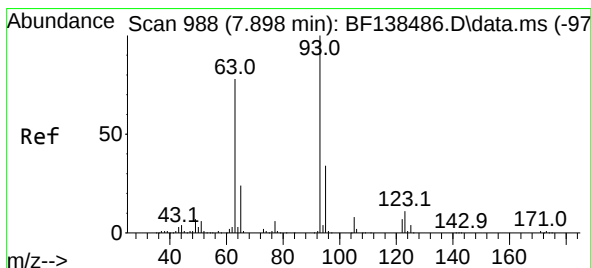
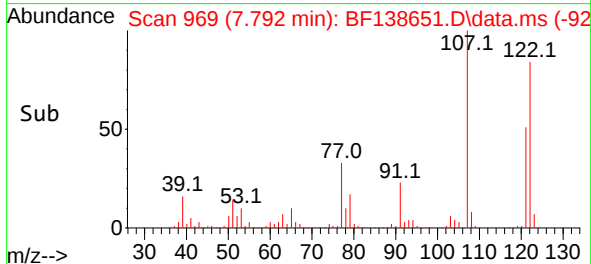
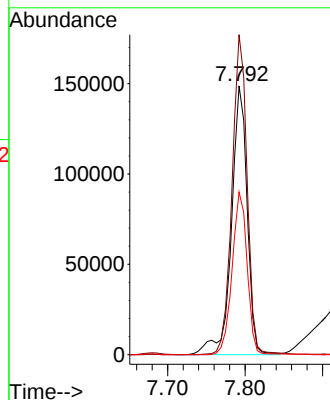
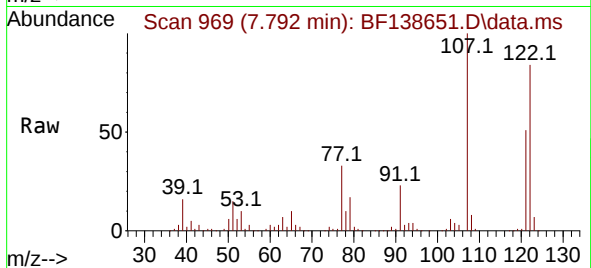




#27  
2,4-Dimethylphenol  
Concen: 52.369 ng  
RT: 7.792 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

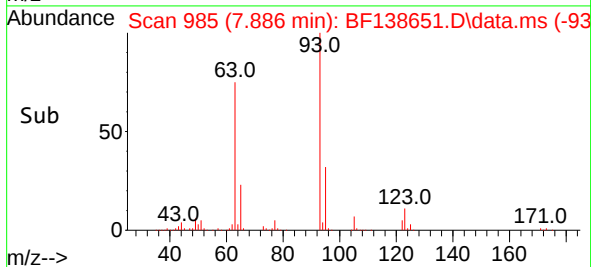
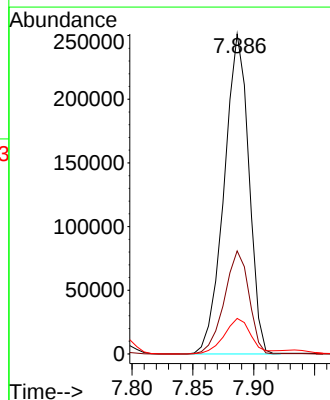
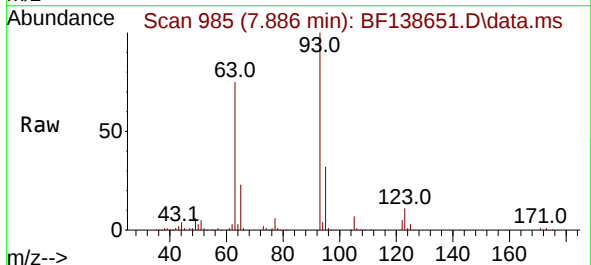
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

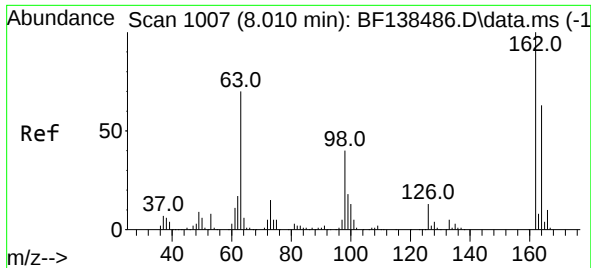
Tgt Ion:122 Resp: 210699  
Ion Ratio Lower Upper  
122 100  
107 119.0 96.3 144.5  
121 60.5 46.7 70.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.999 ng  
RT: 7.886 min Scan# 985  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

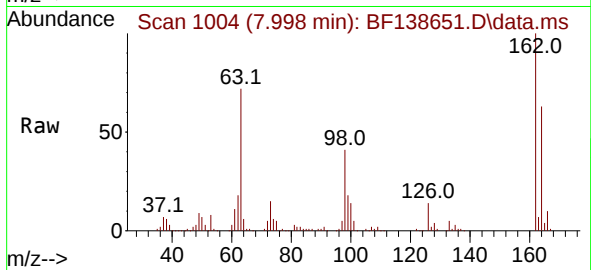
Tgt Ion: 93 Resp: 354817  
Ion Ratio Lower Upper  
93 100  
95 32.2 27.0 40.6  
123 11.1 9.1 13.7



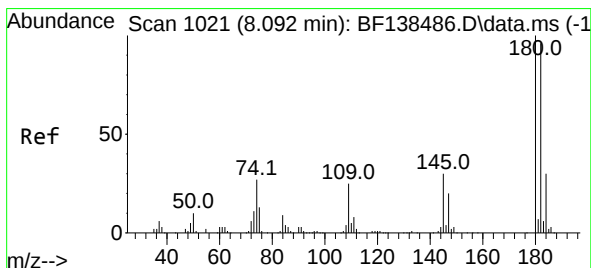
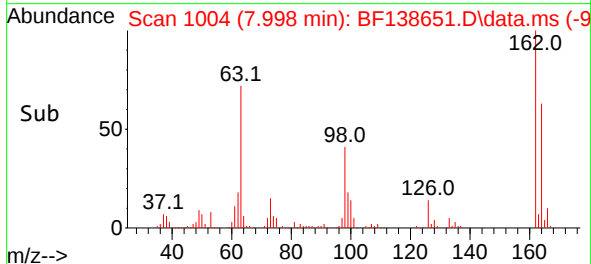
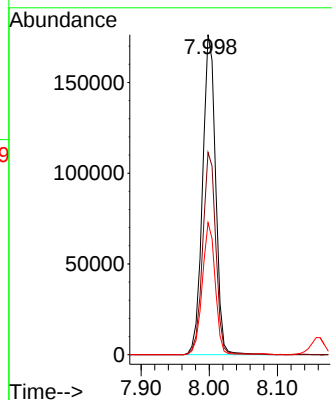


#29  
2,4-Dichlorophenol  
Concen: 44.993 ng  
RT: 7.998 min Scan# 1018  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

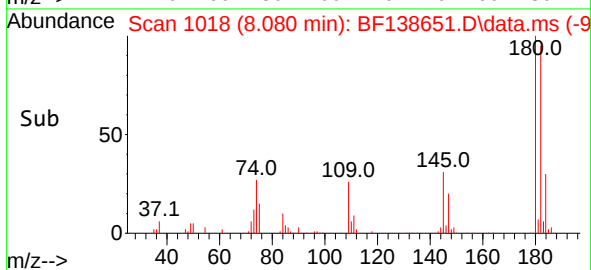
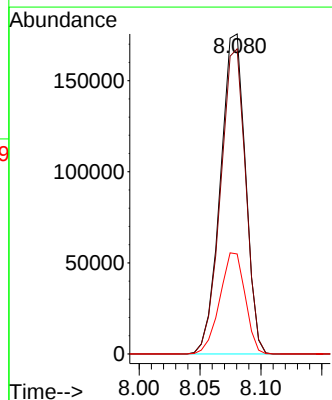
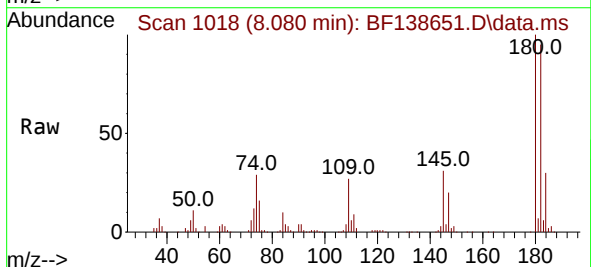


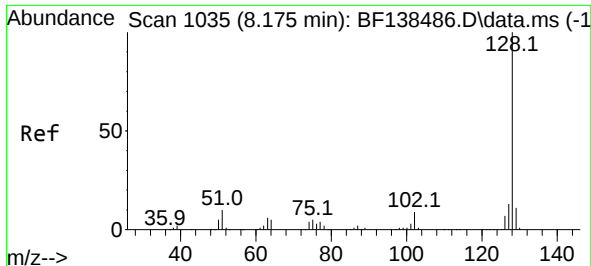
Tgt Ion:162 Resp: 235073  
Ion Ratio Lower Upper  
162 100  
164 63.2 42.6 82.6  
98 41.2 20.1 60.1



#30  
1,2,4-Trichlorobenzene  
Concen: 41.372 ng  
RT: 8.080 min Scan# 1018  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:180 Resp: 251806  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.9 115.3  
145 31.2 23.9 35.9

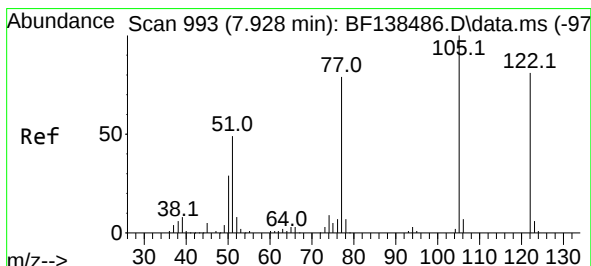
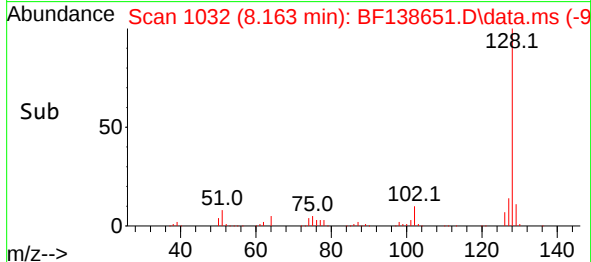
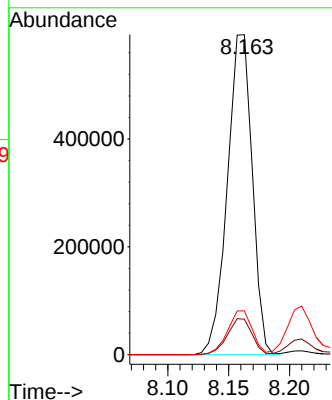
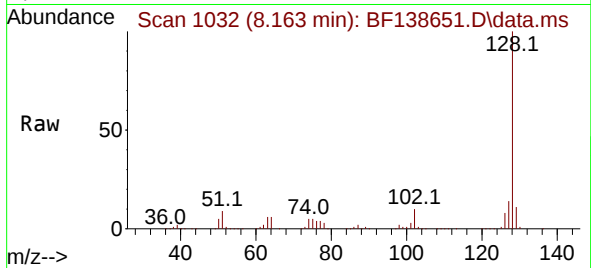




#31  
Naphthalene  
Concen: 44.052 ng  
RT: 8.163 min Scan# 1035  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

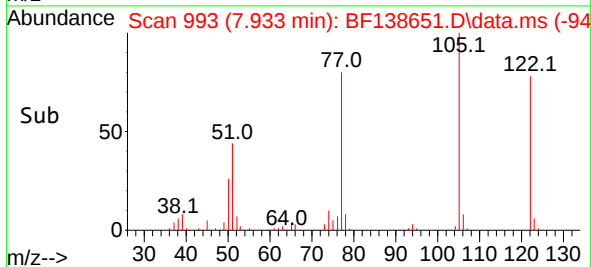
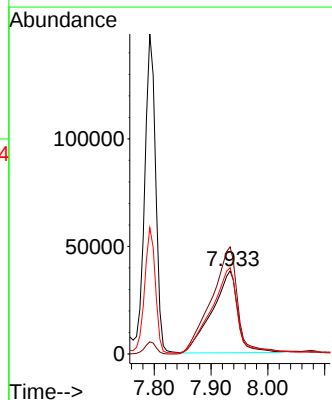
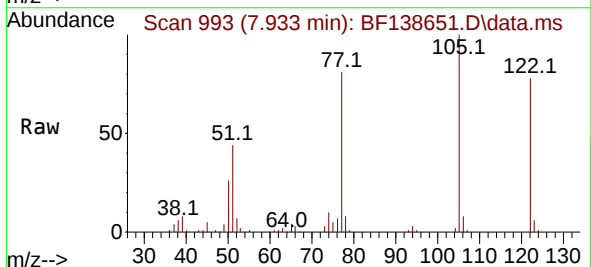
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

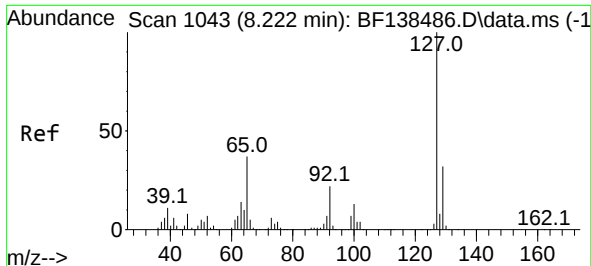
Tgt Ion:128 Resp: 845423  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.7 10.7 16.1



#32  
Benzoic acid  
Concen: 31.160 ng  
RT: 7.933 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:122 Resp: 119572  
Ion Ratio Lower Upper  
122 100  
105 128.8 101.5 141.5  
77 103.9 77.3 117.3

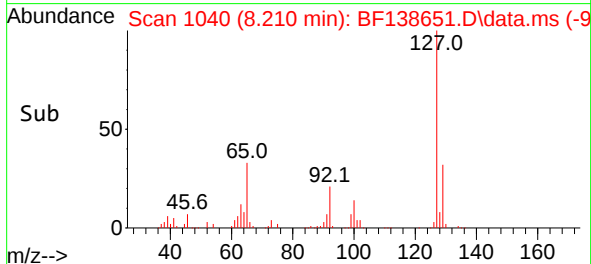
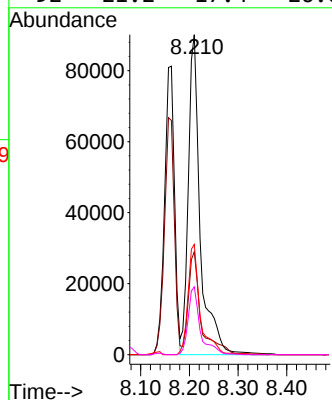
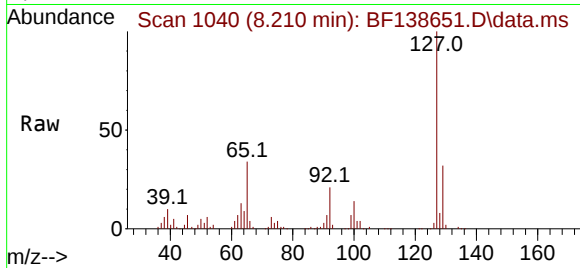




#33  
4-Chloroaniline  
Concen: 22.967 ng  
RT: 8.210 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

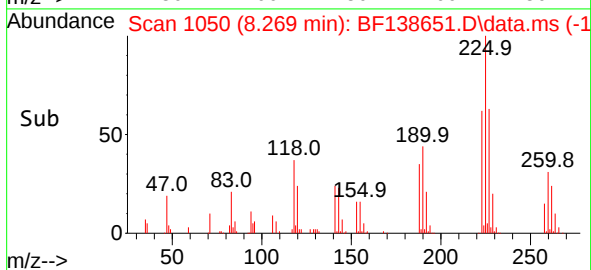
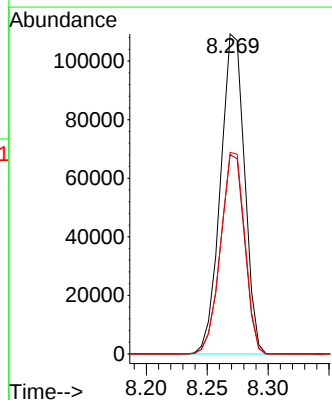
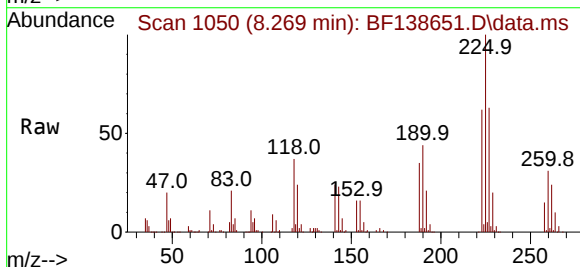
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 154650 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.2    | 25.6 38.4    |
| 65 34.5     | 29.6 44.4    |
| 92 21.2     | 17.4 26.0    |



#34  
Hexachlorobutadiene  
Concen: 40.062 ng  
RT: 8.269 min Scan# 1050  
Delta R.T. -0.018 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 150150 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 62.3    | 50.0 75.0    |
| 227 63.0    | 51.0 76.6    |

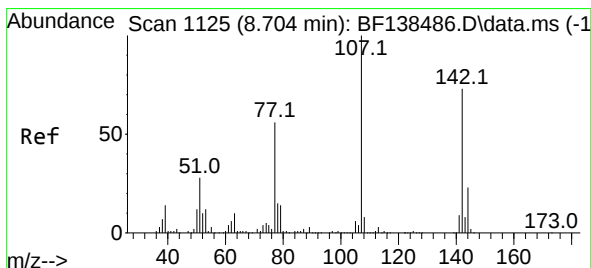
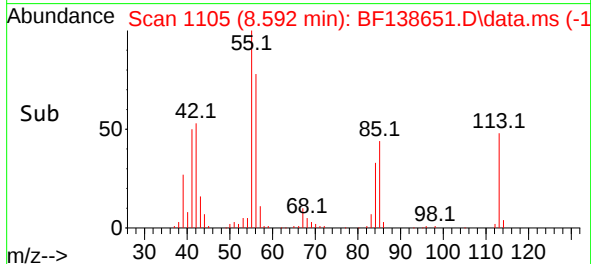
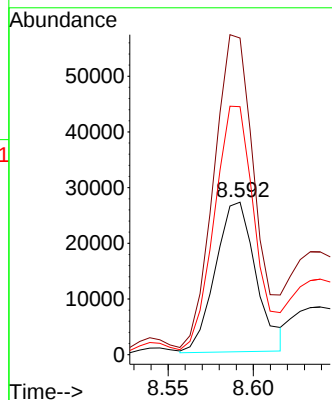
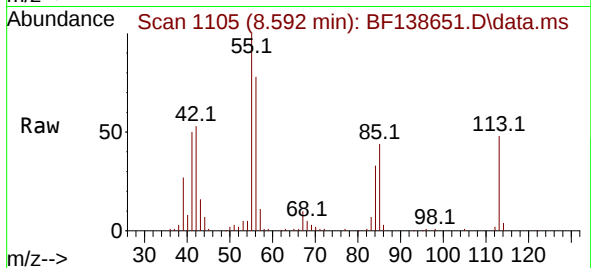




#35  
 Caprolactam  
 Concen: 26.340 ng  
 RT: 8.592 min Scan# 1105  
 Delta R.T. -0.006 min  
 Lab File: BF138651.D  
 Acq: 25 Jul 2024 14:01

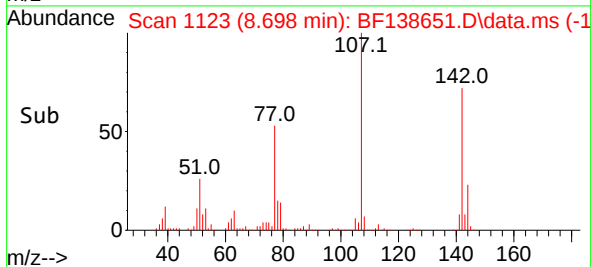
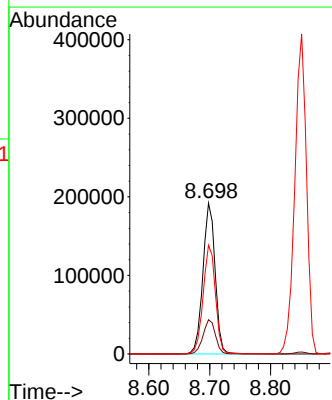
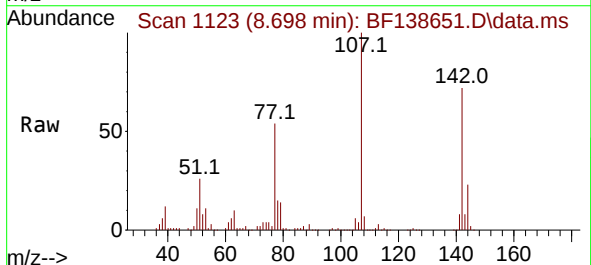
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162271BS

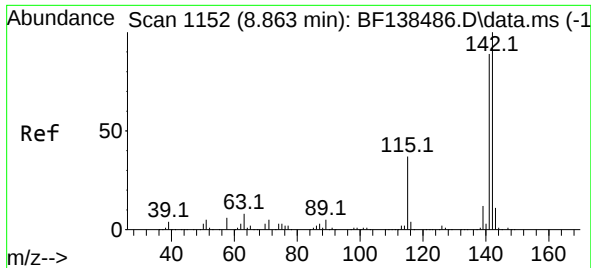
Tgt Ion:113 Resp: 44407  
 Ion Ratio Lower Upper  
 113 100  
 55 207.7 192.5 232.5  
 56 162.7 145.3 185.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.982 ng  
 RT: 8.698 min Scan# 1123  
 Delta R.T. -0.006 min  
 Lab File: BF138651.D  
 Acq: 25 Jul 2024 14:01

Tgt Ion:107 Resp: 268954  
 Ion Ratio Lower Upper  
 107 100  
 144 22.7 18.6 27.8  
 142 72.2 58.6 88.0

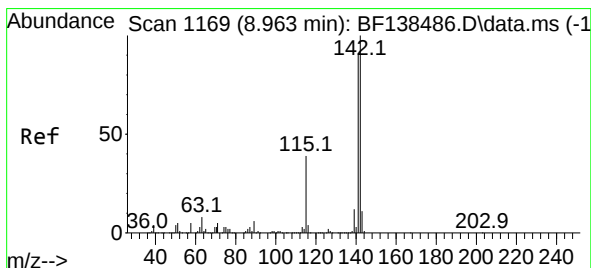
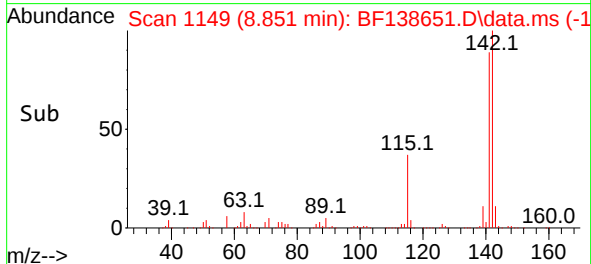
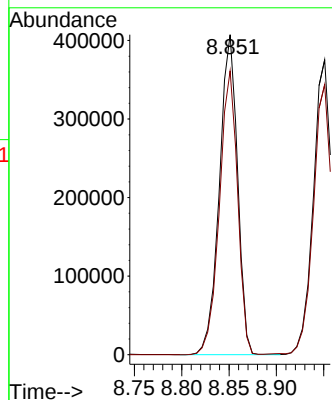
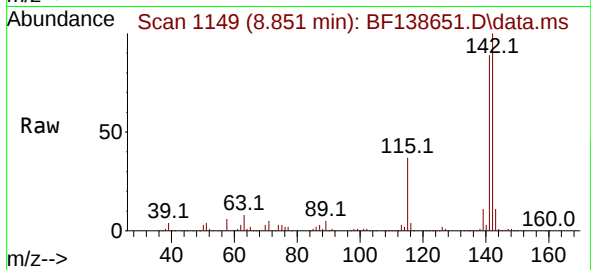




#37  
2-Methylnaphthalene  
Concen: 44.019 ng  
RT: 8.851 min Scan# 1149  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

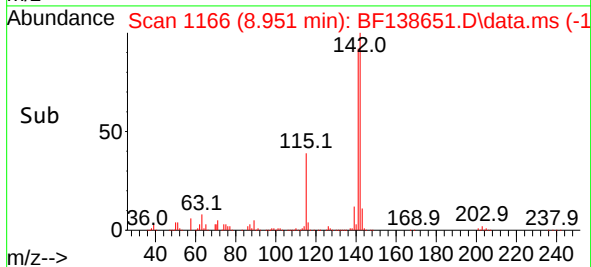
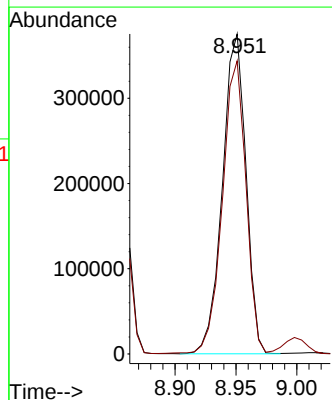
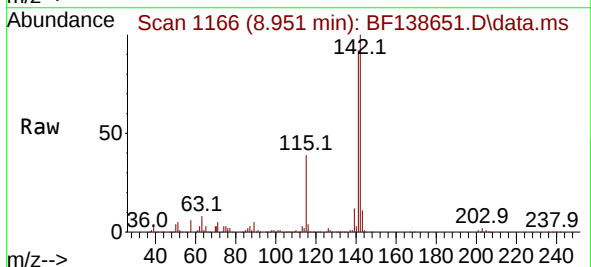
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

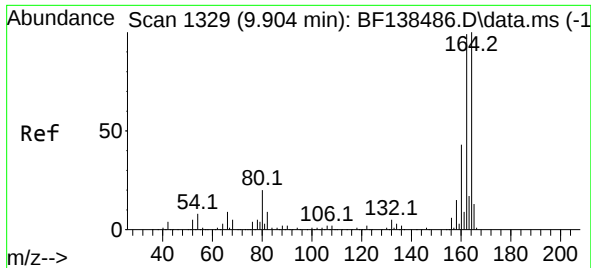
Tgt Ion:142 Resp: 543642  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.4 107.0



#38  
1-Methylnaphthalene  
Concen: 41.809 ng  
RT: 8.951 min Scan# 1166  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:142 Resp: 503927  
Ion Ratio Lower Upper  
142 100  
141 91.6 72.6 108.8

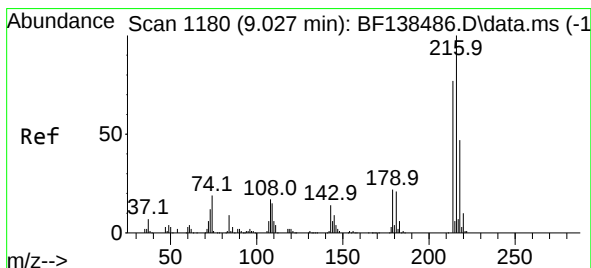
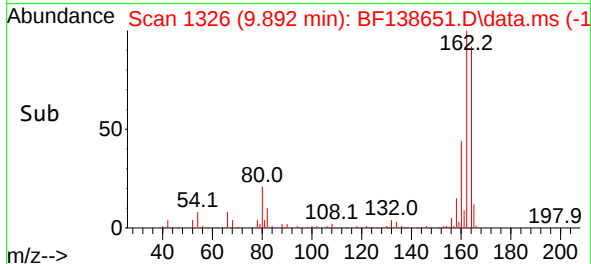
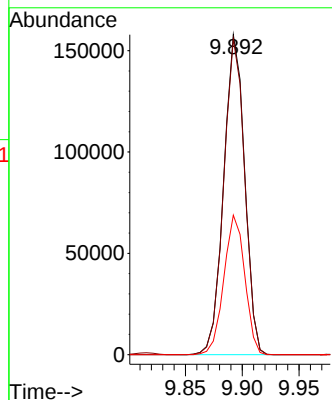
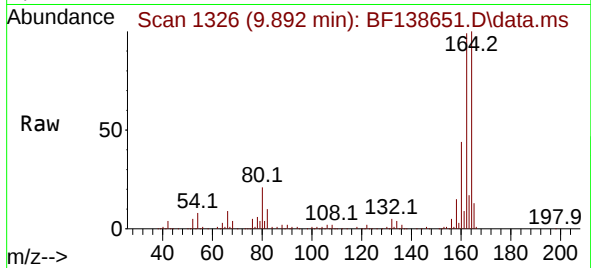




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.892 min Scan# 1177  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

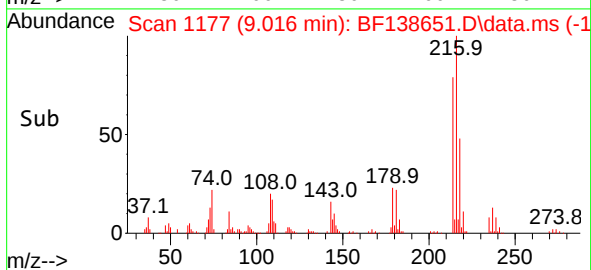
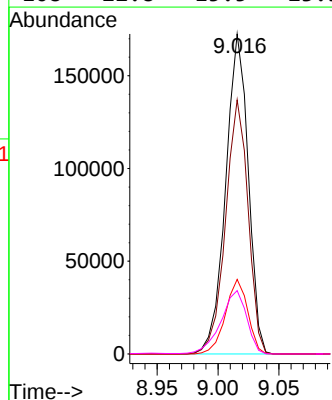
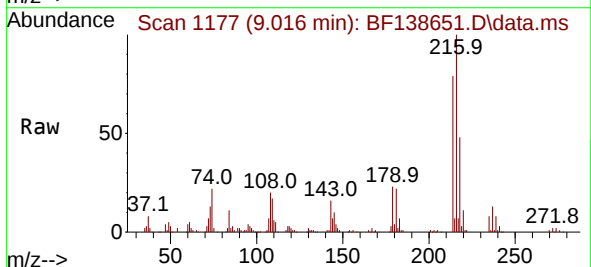
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

Tgt Ion:164 Resp: 202918  
Ion Ratio Lower Upper  
164 100  
162 98.7 79.0 118.6  
160 43.6 34.4 51.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.398 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:216 Resp: 222813  
Ion Ratio Lower Upper  
216 100  
214 79.1 62.8 94.2  
179 23.1 17.7 26.5  
108 22.8 15.5 23.3

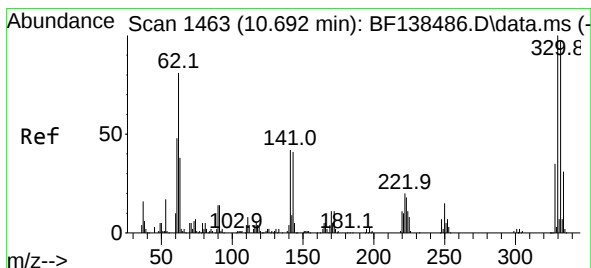
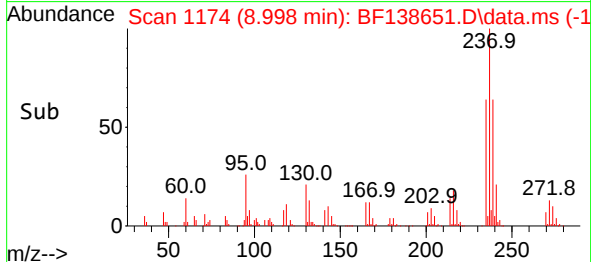
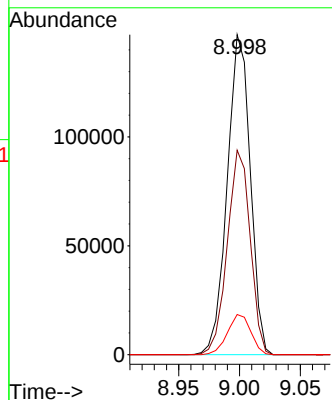
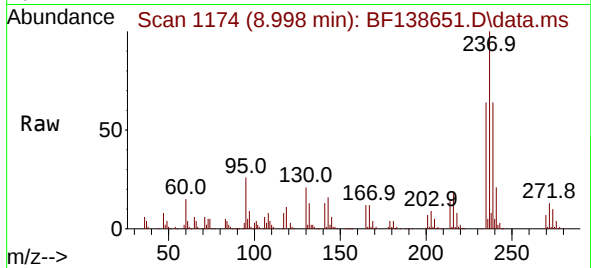




#41  
Hexachlorocyclopentadiene  
Concen: 105.739 ng  
RT: 8.998 min Scan# 1174  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

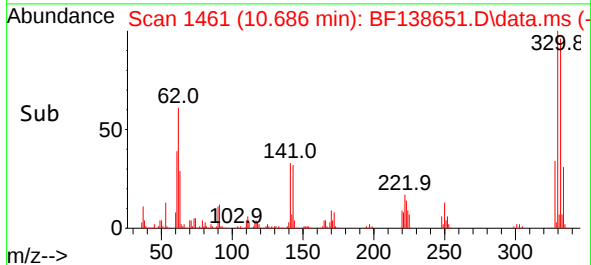
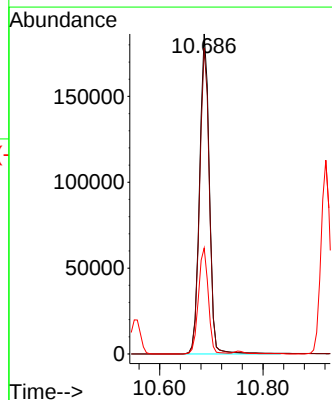
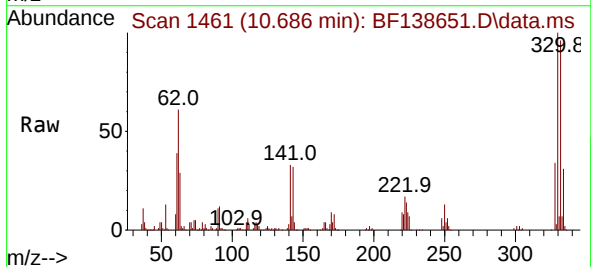
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

Tgt Ion:237 Resp: 194101  
Ion Ratio Lower Upper  
237 100  
235 63.9 43.3 83.3  
272 12.6 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 128.958 ng  
RT: 10.686 min Scan# 1461  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:330 Resp: 244566  
Ion Ratio Lower Upper  
330 100  
332 95.7 76.8 115.2  
141 33.4 29.4 44.2

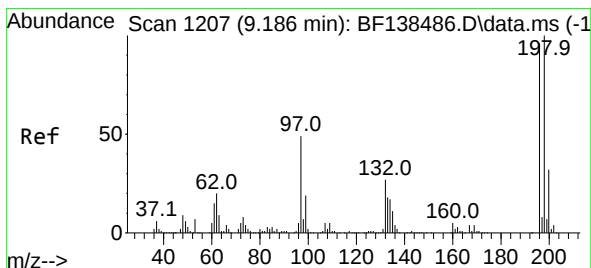
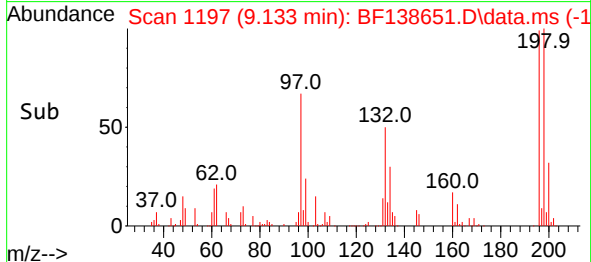
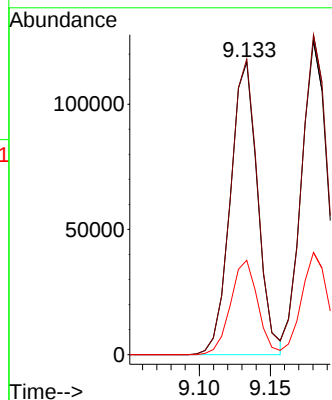
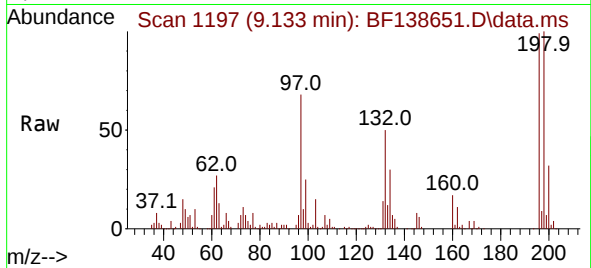




#43  
2,4,6-Trichlorophenol  
Concen: 43.363 ng  
RT: 9.133 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

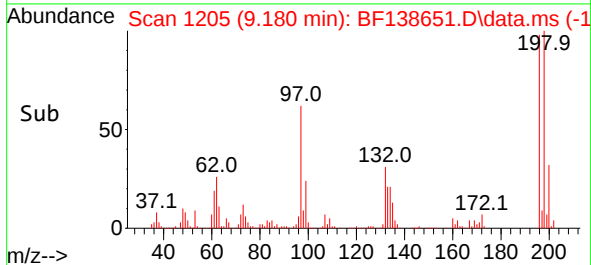
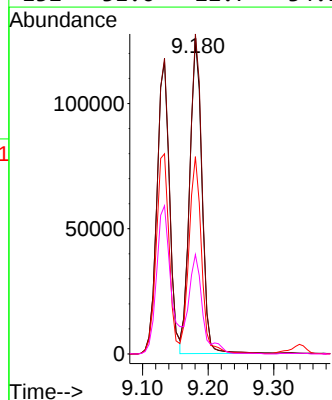
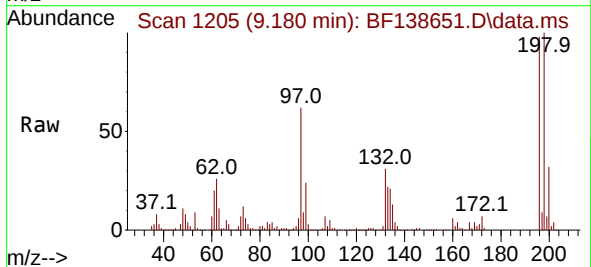
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

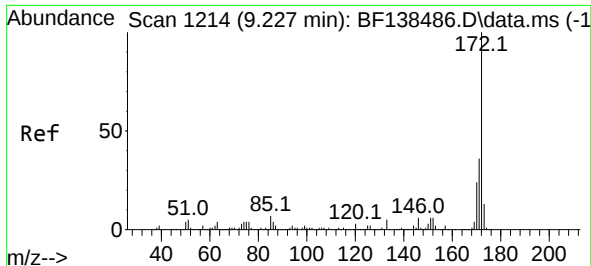
Tgt Ion:196 Resp: 156431  
Ion Ratio Lower Upper  
196 100  
198 101.1 82.3 123.5  
200 32.3 25.8 38.6



#44  
2,4,5-Trichlorophenol  
Concen: 41.096 ng  
RT: 9.180 min Scan# 1205  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:196 Resp: 163061  
Ion Ratio Lower Upper  
196 100  
198 101.9 82.8 124.2  
97 62.8 41.0 61.4#  
132 31.6 22.7 34.1





#45

2-Fluorobiphenyl

Concen: 82.369 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

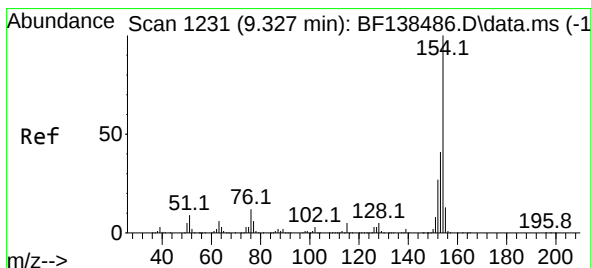
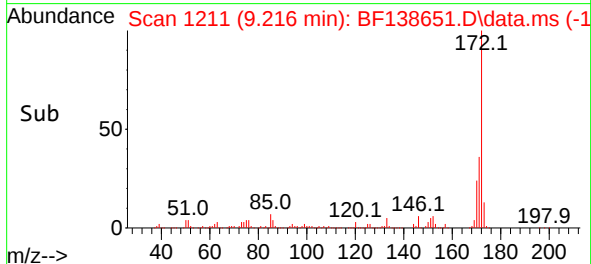
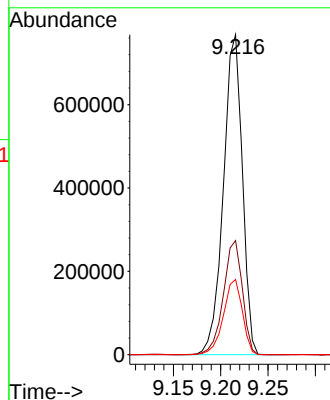
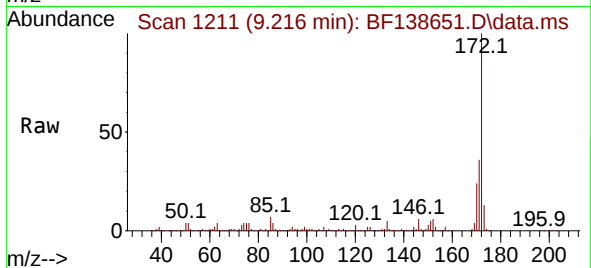
Tgt Ion:172 Resp: 1069426

Ion Ratio Lower Upper

172 100

171 35.6 28.9 43.3

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 40.999 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

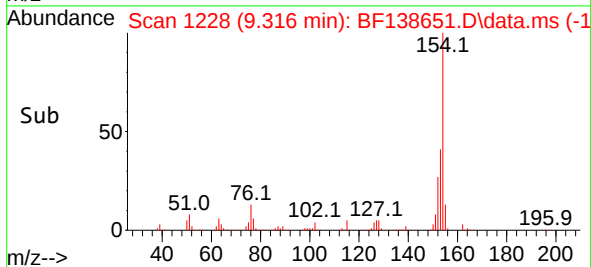
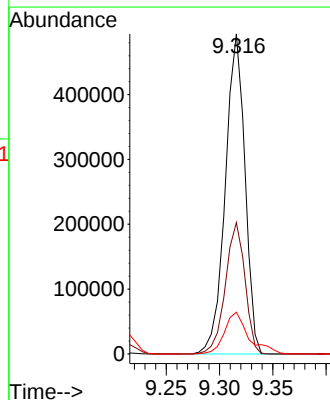
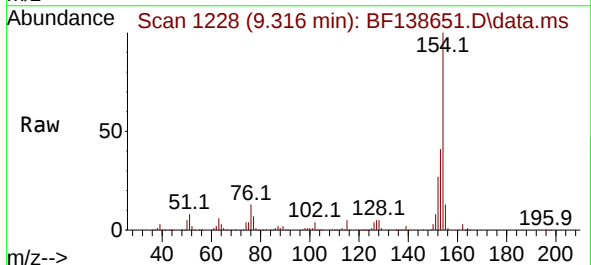
Tgt Ion:154 Resp: 630482

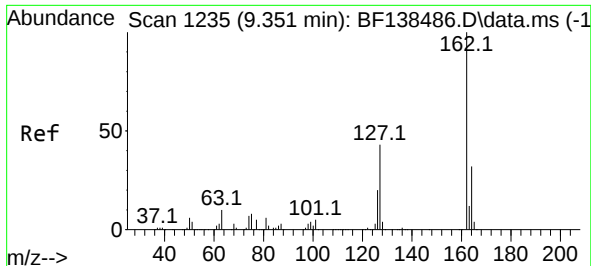
Ion Ratio Lower Upper

154 100

153 41.0 20.7 60.7

76 13.1 0.0 32.2





#47

2-Chloronaphthalene

Concen: 43.326 ng

RT: 9.339 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

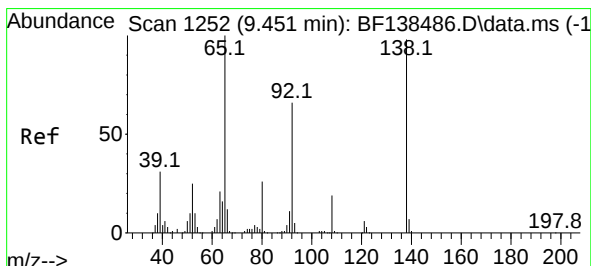
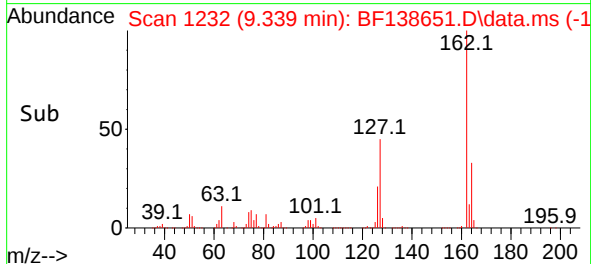
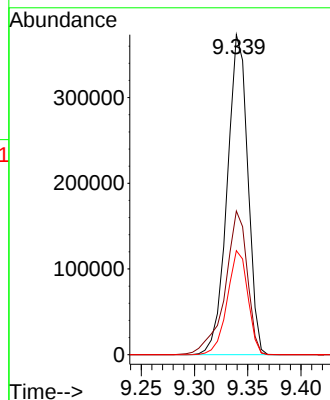
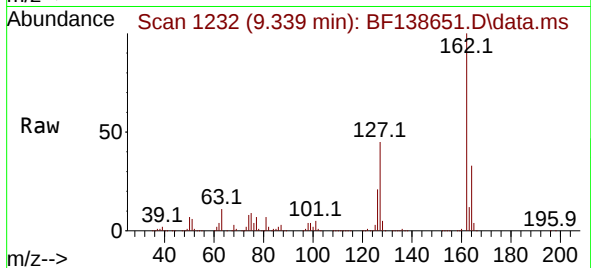
Tgt Ion:162 Resp: 503333

Ion Ratio Lower Upper

162 100

127 44.9 34.8 52.2

164 32.5 25.6 38.4



#48

2-Nitroaniline

Concen: 46.877 ng

RT: 9.439 min Scan# 1249

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

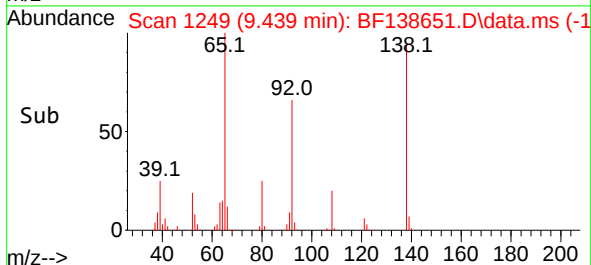
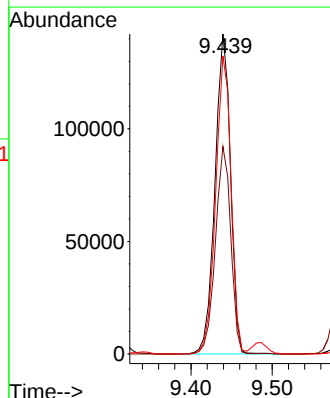
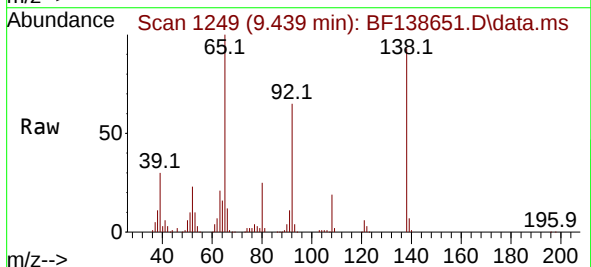
Tgt Ion: 65 Resp: 188718

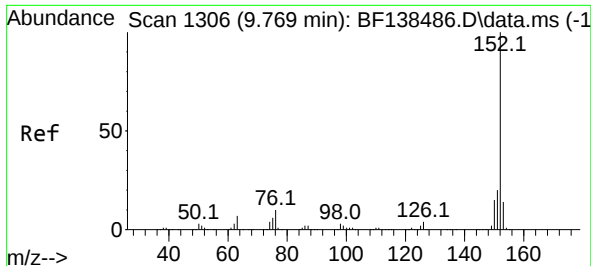
Ion Ratio Lower Upper

65 100

92 64.9 52.6 78.8

138 93.2 78.6 118.0





#49

Acenaphthylene

Concen: 47.777 ng

RT: 9.757 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

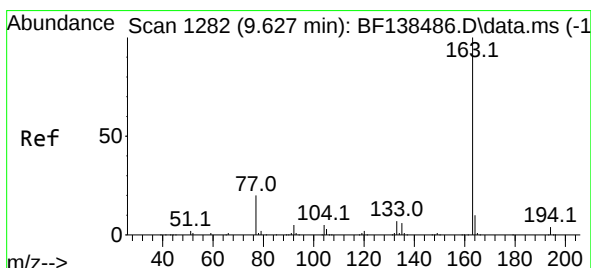
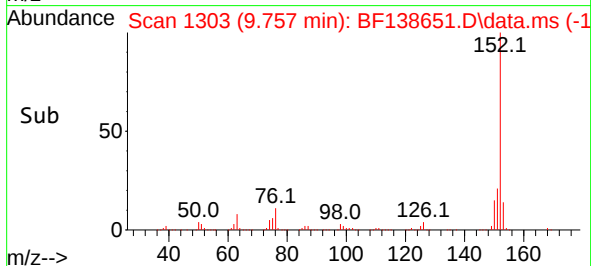
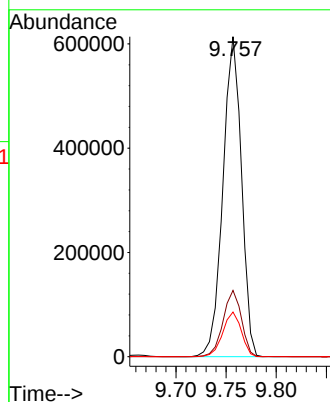
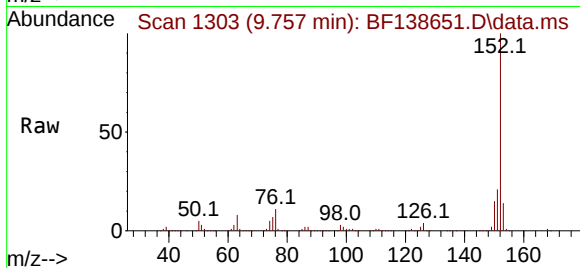
Tgt Ion:152 Resp: 788038

Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

153 14.0 11.3 16.9



#50

Dimethylphthalate

Concen: 45.553 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

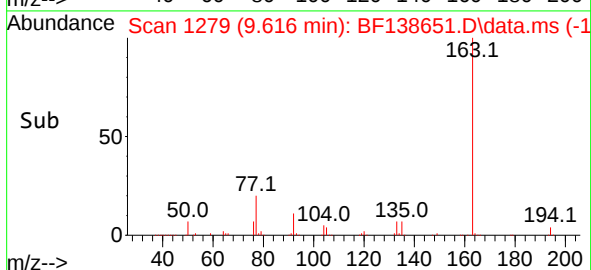
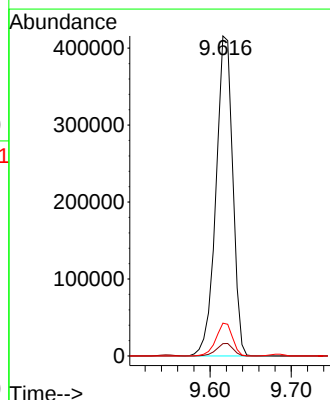
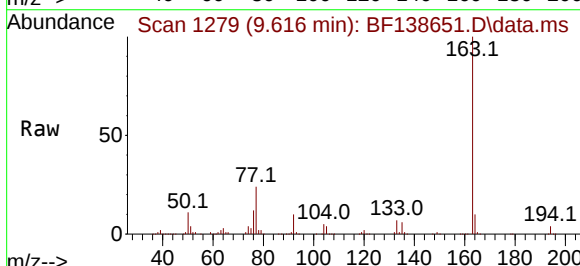
Tgt Ion:163 Resp: 597702

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 44.624 ng

RT: 9.680 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

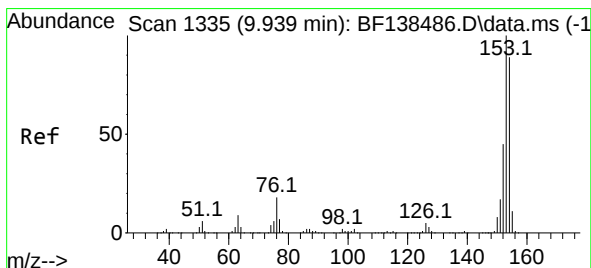
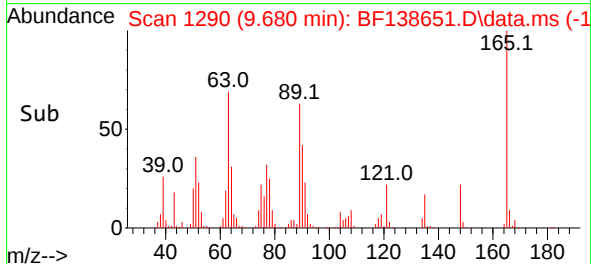
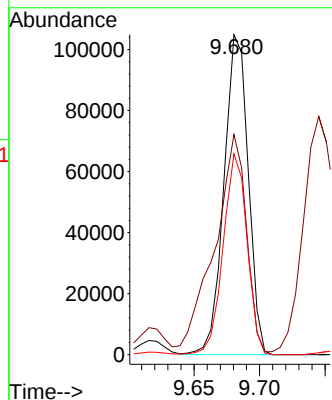
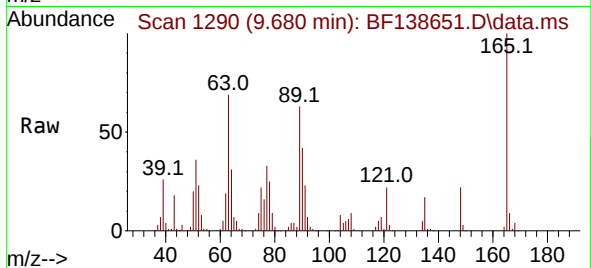
Tgt Ion:165 Resp: 134812

Ion Ratio Lower Upper

165 100

63 68.8 48.1 72.1

89 62.7 43.0 64.6



#52

Acenaphthene

Concen: 44.167 ng

RT: 9.927 min Scan# 1332

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

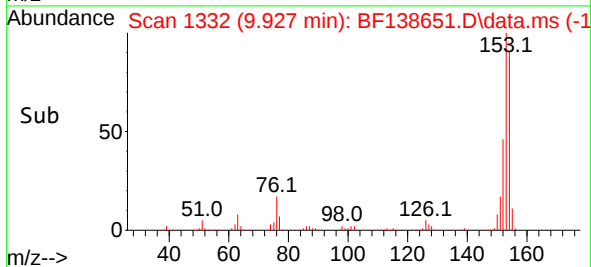
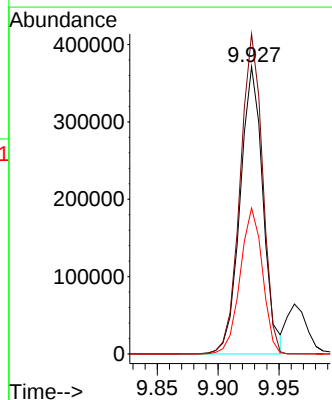
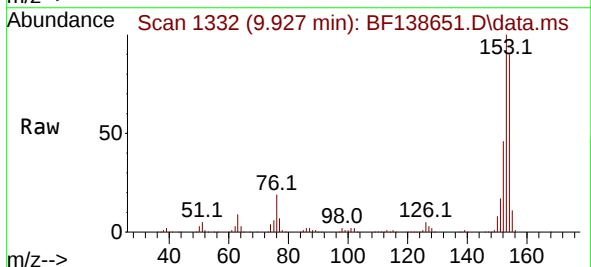
Tgt Ion:154 Resp: 484241

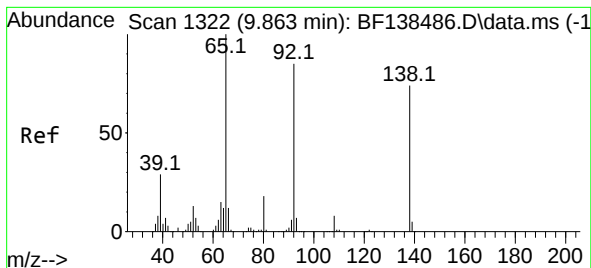
Ion Ratio Lower Upper

154 100

153 111.3 90.4 135.6

152 50.8 41.1 61.7





#53

3-Nitroaniline

Concen: 28.915 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

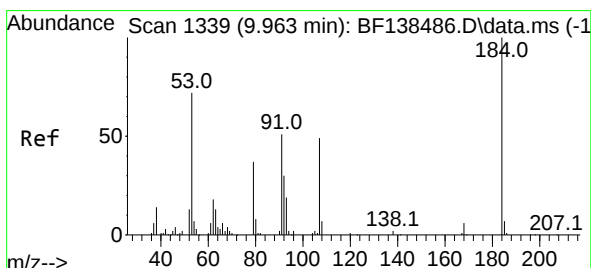
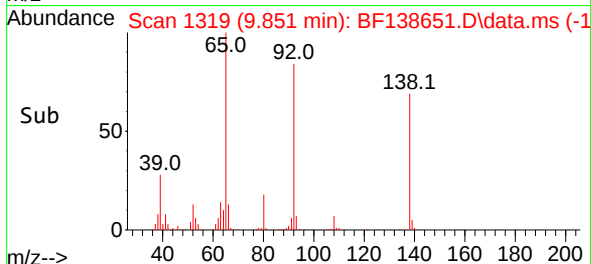
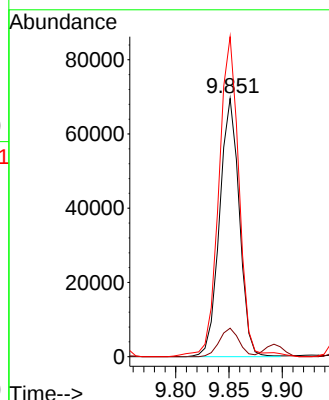
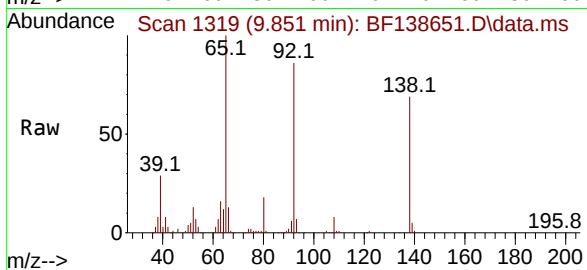
Tgt Ion:138 Resp: 89533

Ion Ratio Lower Upper

138 100

108 11.0 8.3 12.5

92 123.9 92.6 138.8



#54

2,4-Dinitrophenol

Concen: 76.928 ng

RT: 9.963 min Scan# 1338

Delta R.T. -0.000 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

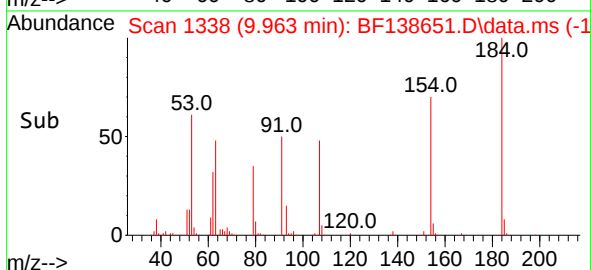
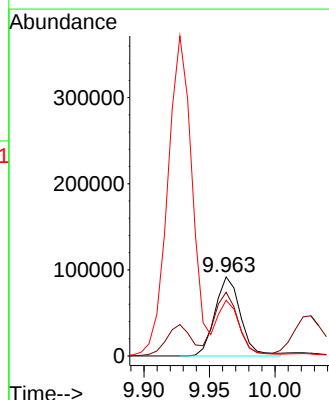
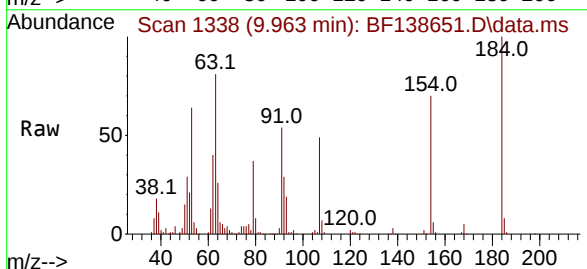
Tgt Ion:184 Resp: 124422

Ion Ratio Lower Upper

184 100

63 80.6 70.6 106.0

154 70.4 53.8 80.6

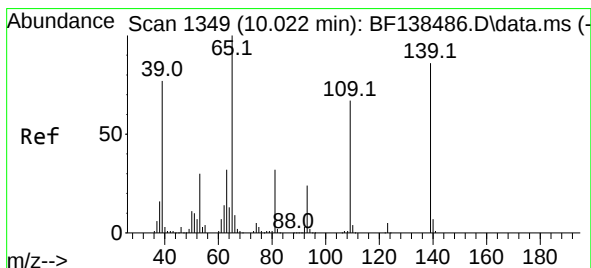
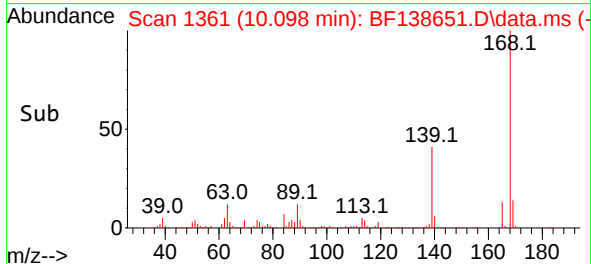
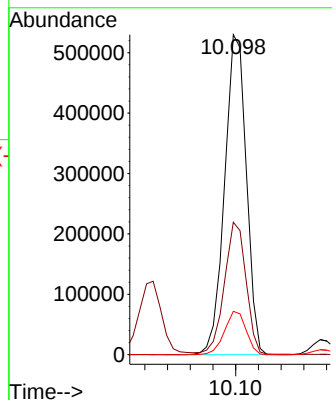
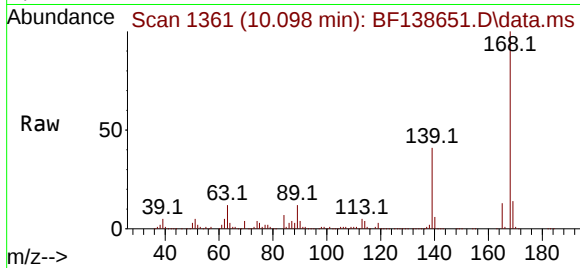




#55  
Dibenzenofuran  
Concen: 44.307 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

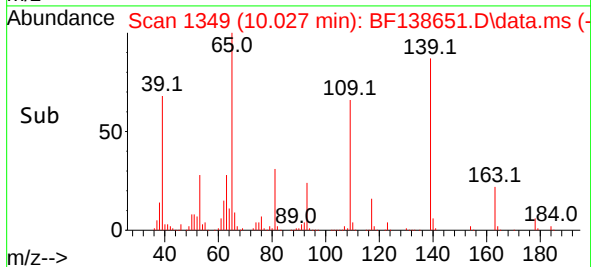
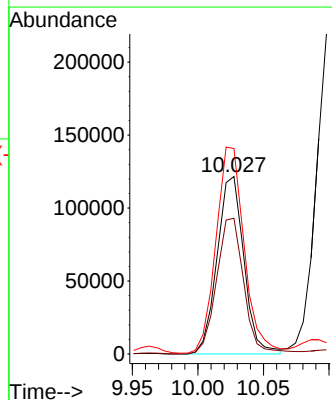
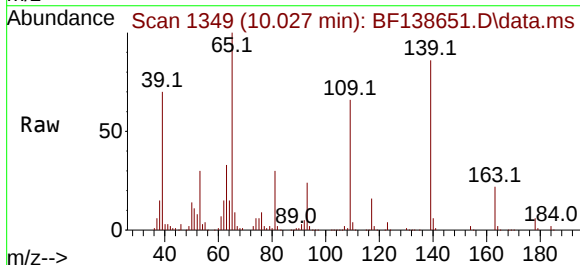
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

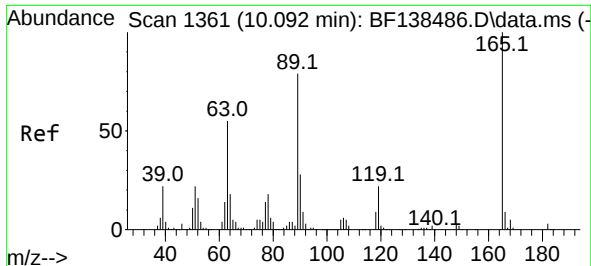
Tgt Ion:168 Resp: 704606  
Ion Ratio Lower Upper  
168 100  
139 41.4 32.4 48.6  
169 13.5 10.9 16.3



#56  
4-Nitrophenol  
Concen: 75.652 ng  
RT: 10.027 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:139 Resp: 172842  
Ion Ratio Lower Upper  
139 100  
109 76.5 58.1 98.1  
65 115.8 96.9 136.9

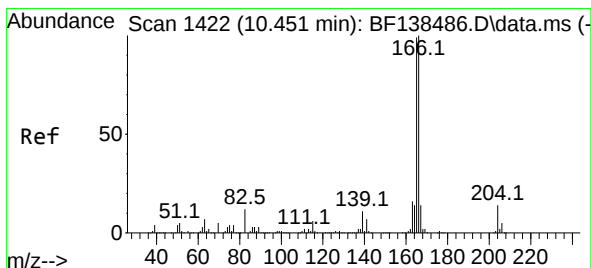
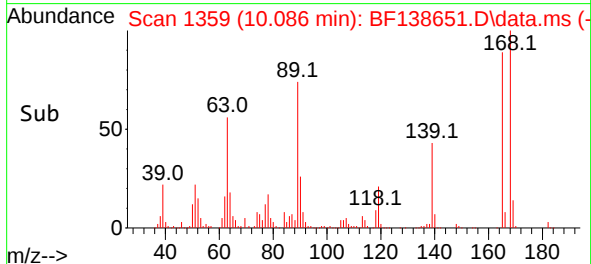
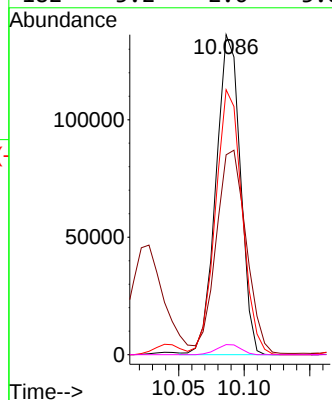
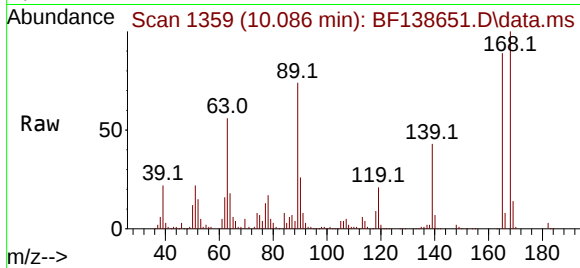




#57  
2,4-Dinitrotoluene  
Concen: 45.073 ng  
RT: 10.086 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

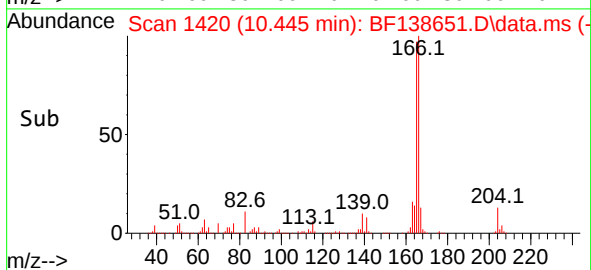
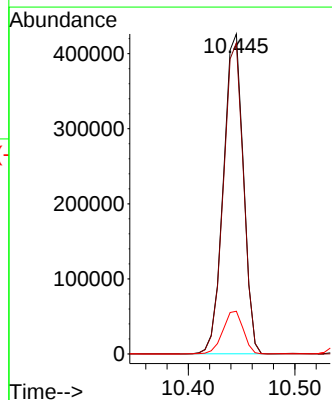
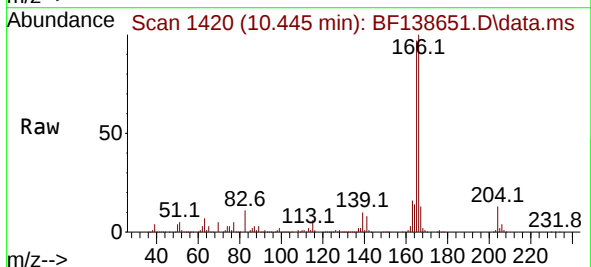
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

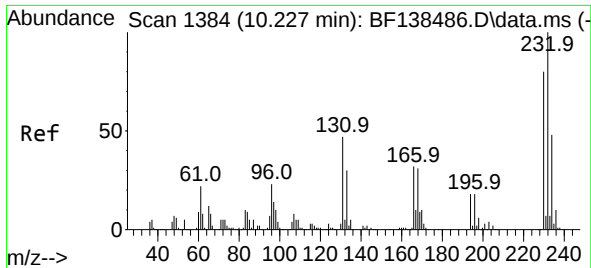
Tgt Ion:165 Resp: 176184  
Ion Ratio Lower Upper  
165 100  
63 62.5 44.6 66.8  
89 82.8 63.4 95.2  
182 3.2 2.6 3.8



#58  
Fluorene  
Concen: 44.024 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:166 Resp: 553957  
Ion Ratio Lower Upper  
166 100  
165 97.2 79.1 118.7  
167 13.4 11.0 16.6

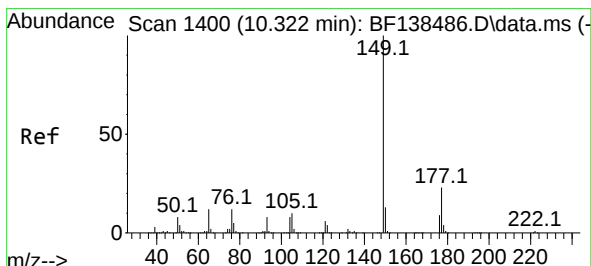
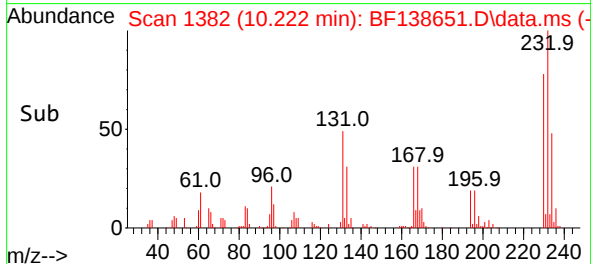
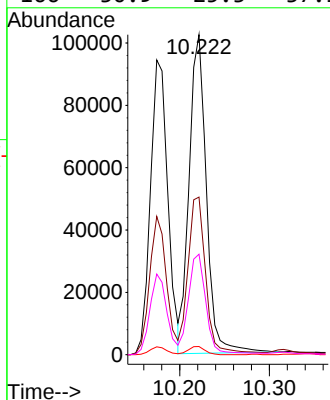
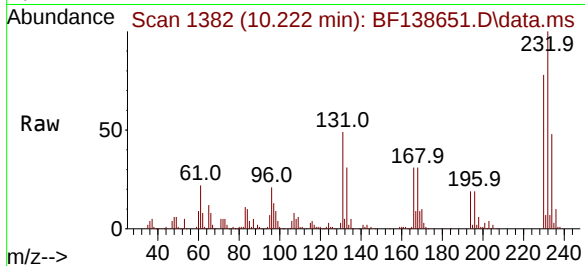




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.673 ng  
RT: 10.222 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

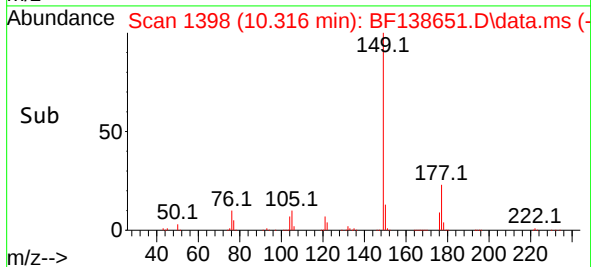
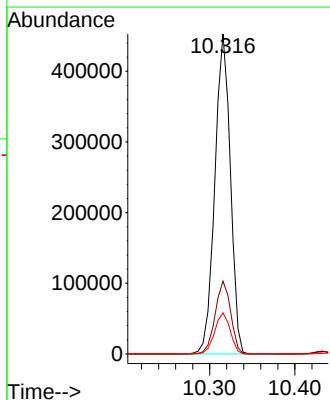
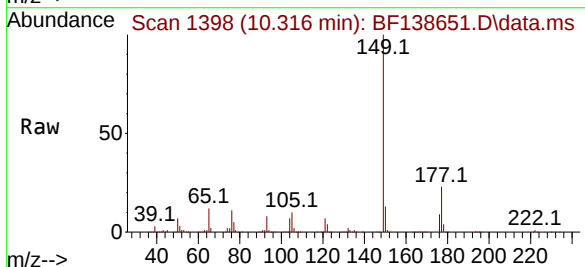
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

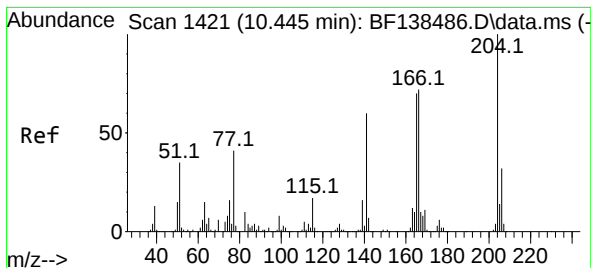
Tgt Ion:232 Resp: 136760  
Ion Ratio Lower Upper  
232 100  
131 50.5 37.5 56.3  
130 2.5 2.0 3.0  
166 30.9 25.3 37.9



#60  
Diethylphthalate  
Concen: 45.412 ng  
RT: 10.316 min Scan# 1398  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:149 Resp: 574432  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.5 27.7  
150 12.9 10.3 15.5

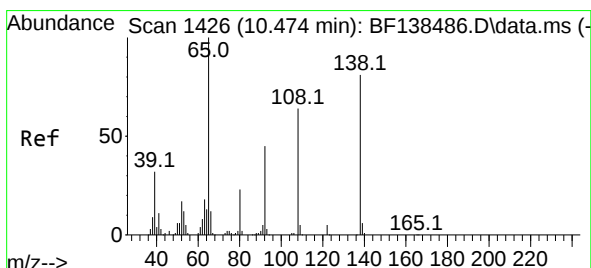
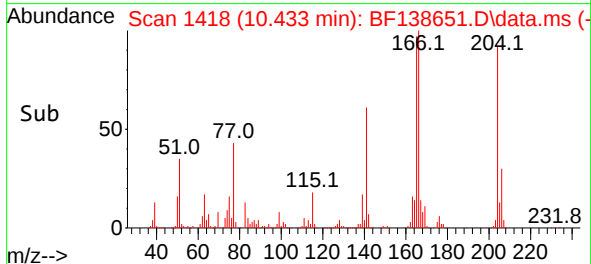
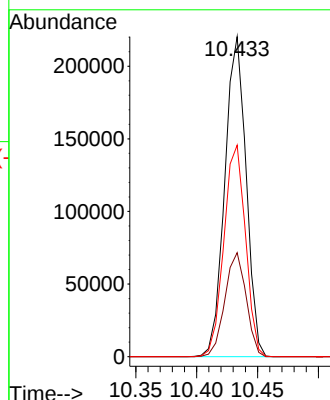
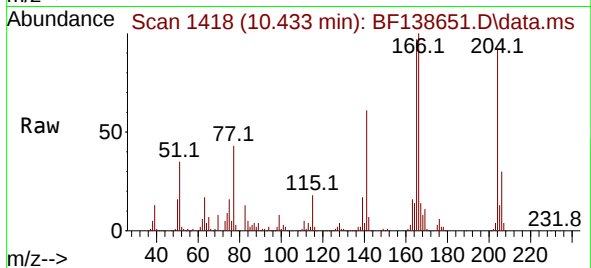




#61  
4-Chlorophenyl-phenylether  
Concen: 42.502 ng  
RT: 10.433 min Scan# 1418  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

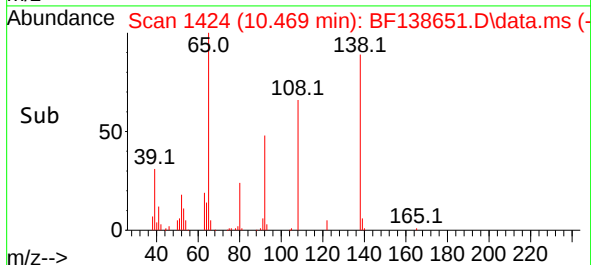
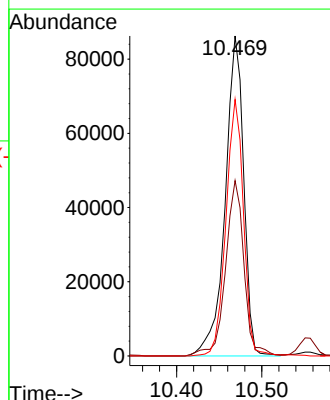
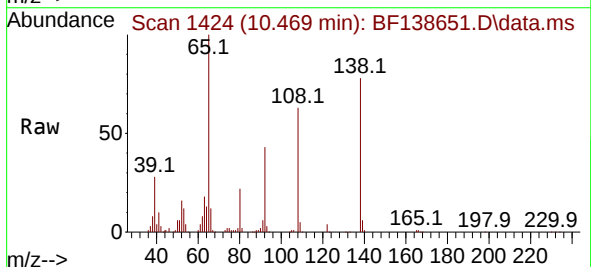
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

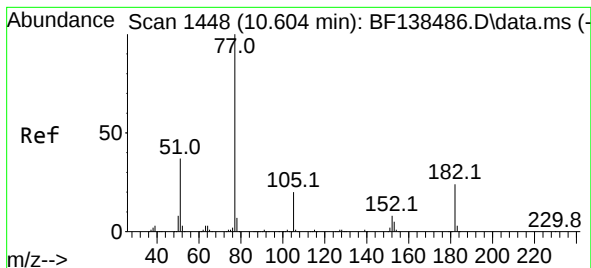
Tgt Ion:204 Resp: 268553  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.6 38.4  
141 66.1 47.7 71.5



#62  
4-Nitroaniline  
Concen: 41.960 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:138 Resp: 130196  
Ion Ratio Lower Upper  
138 100  
92 54.8 35.8 75.8  
108 80.1 59.8 99.8





#63

Azobenzene

Concen: 46.246 ng

RT: 10.592 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

Tgt Ion: 77 Resp: 628934

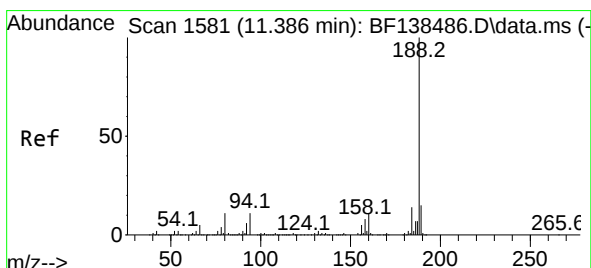
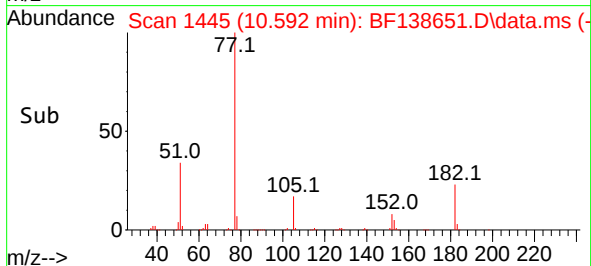
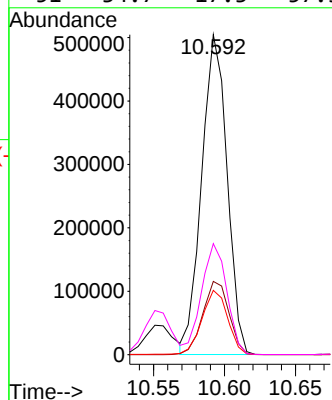
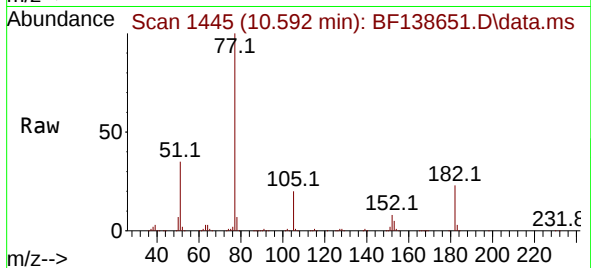
Ion Ratio Lower Upper

77 100

182 22.9 3.8 43.8

105 20.1 0.0 39.8

51 34.7 17.3 57.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

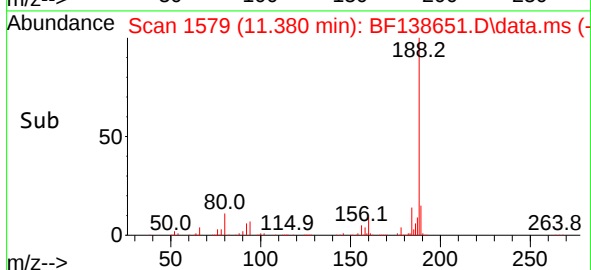
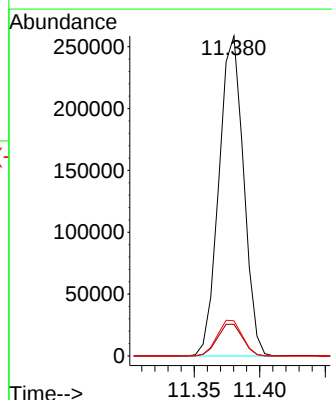
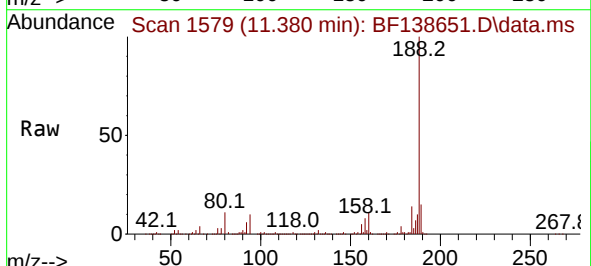
Tgt Ion:188 Resp: 337673

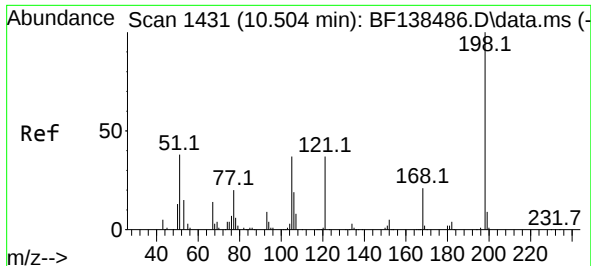
Ion Ratio Lower Upper

188 100

94 9.9 8.7 13.1

80 11.0 9.0 13.4

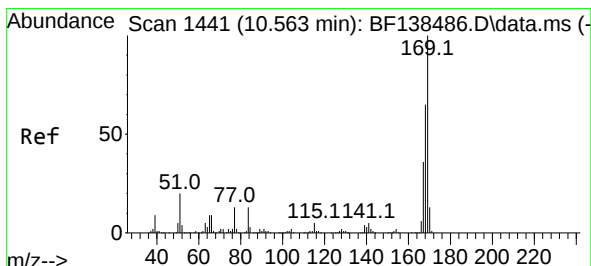
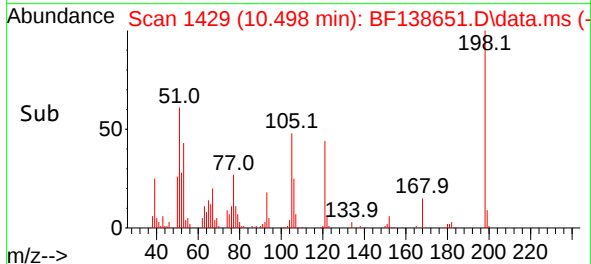
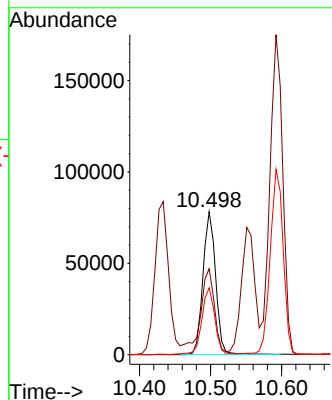
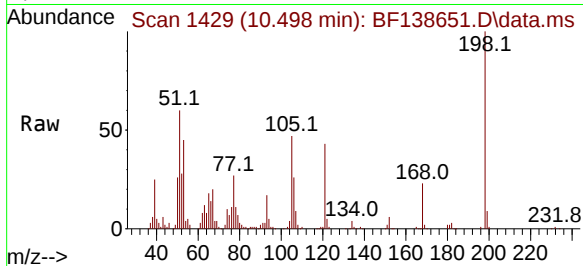




#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.135 ng  
RT: 10.498 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

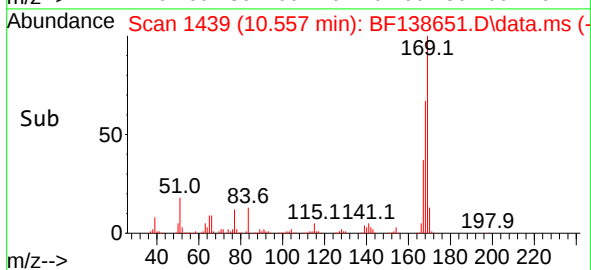
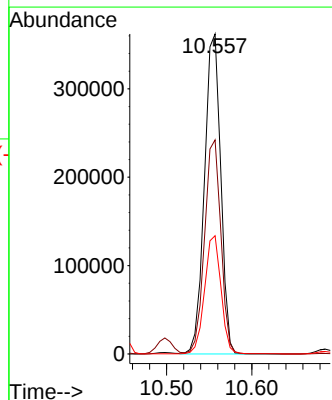
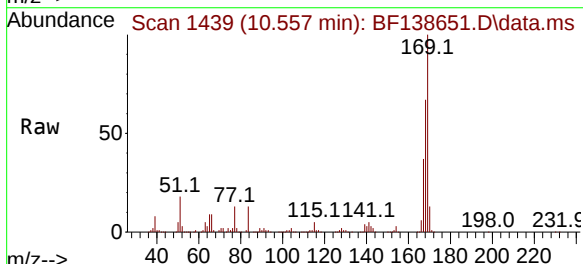
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

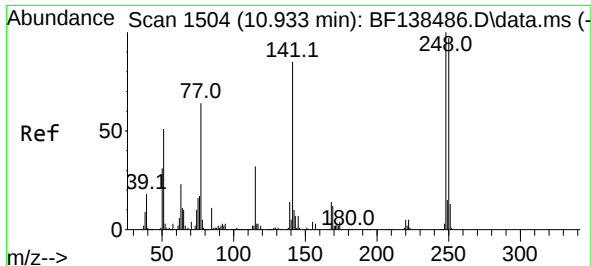
Tgt Ion:198 Resp: 97751  
Ion Ratio Lower Upper  
198 100  
51 60.2 27.2 67.2  
105 46.8 18.5 58.5



#66  
n-Nitrosodiphenylamine  
Concen: 47.458 ng  
RT: 10.557 min Scan# 1439  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:169 Resp: 480129  
Ion Ratio Lower Upper  
169 100  
168 66.9 51.7 77.5  
167 37.0 28.5 42.7

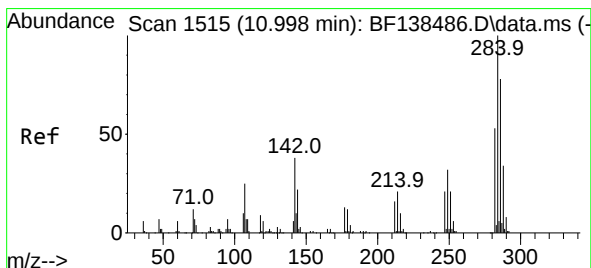
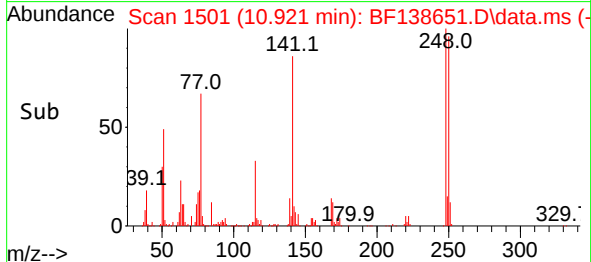
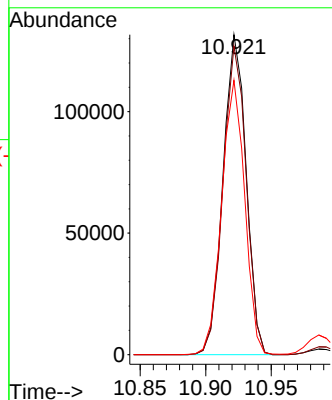
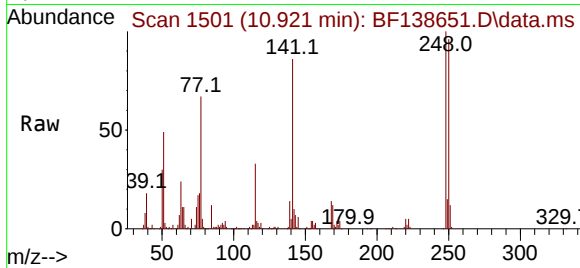




#67  
4-Bromophenyl-phenylether  
Concen: 46.548 ng  
RT: 10.921 min Scan# 1501  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

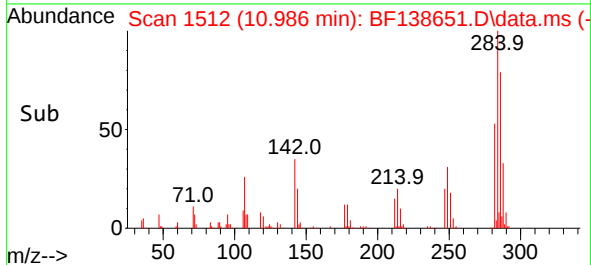
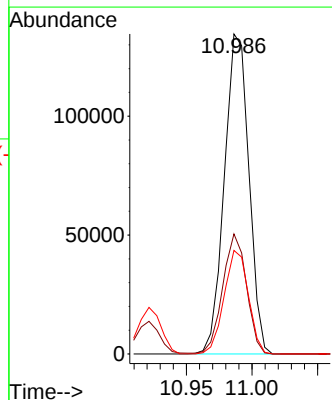
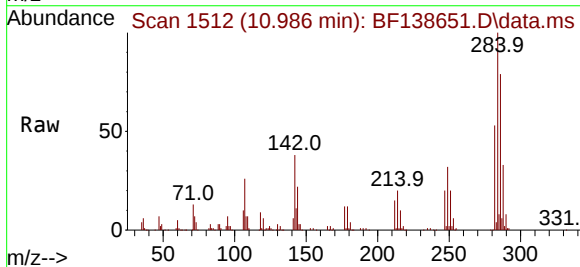
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

Tgt Ion:248 Resp: 161552  
Ion Ratio Lower Upper  
248 100  
250 96.4 77.9 116.9  
141 85.7 67.7 101.5



#68  
Hexachlorobenzene  
Concen: 45.397 ng  
RT: 10.986 min Scan# 1512  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:284 Resp: 175034  
Ion Ratio Lower Upper  
284 100  
142 37.5 30.5 45.7  
249 32.4 25.9 38.9





#69

Atrazine

Concen: 44.147 ng

RT: 11.080 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

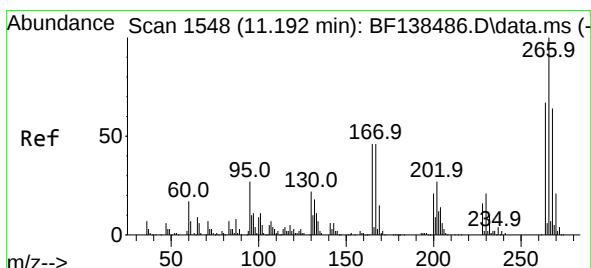
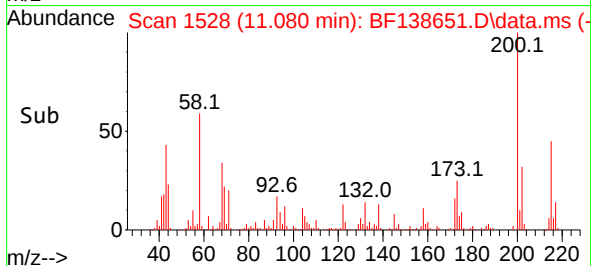
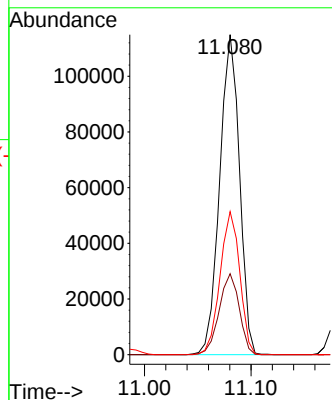
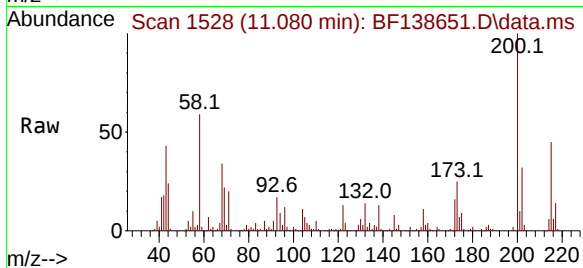
Tgt Ion:200 Resp: 148077

Ion Ratio Lower Upper

200 100

173 25.3 4.1 44.1

215 44.7 26.5 66.5



#70

Pentachlorophenol

Concen: 74.967 ng

RT: 11.186 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

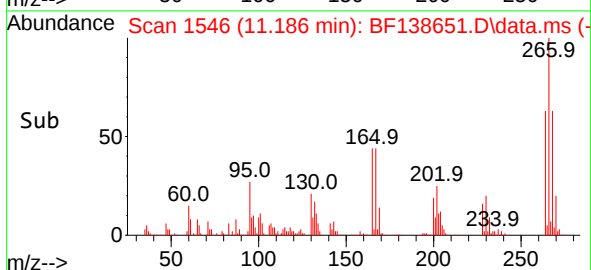
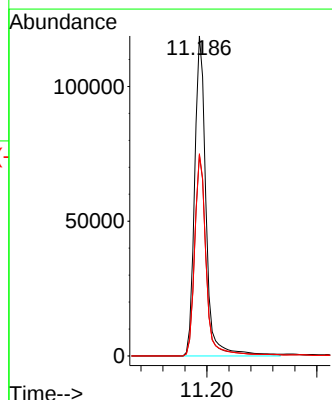
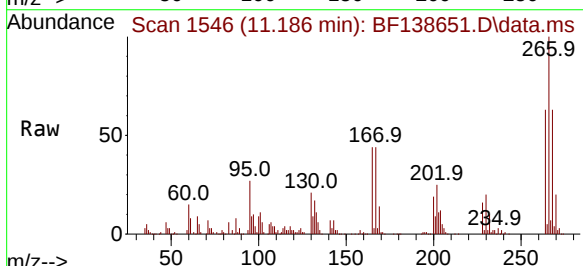
Tgt Ion:266 Resp: 171036

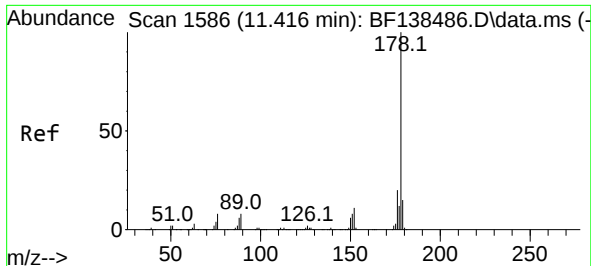
Ion Ratio Lower Upper

266 100

268 62.8 50.9 76.3

264 63.2 53.5 80.3

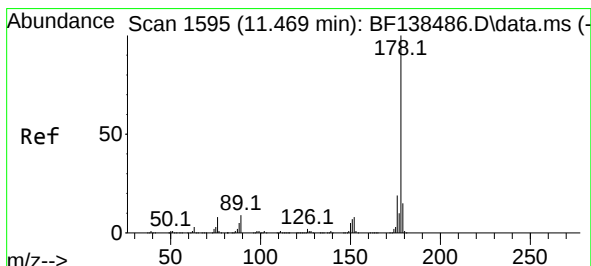
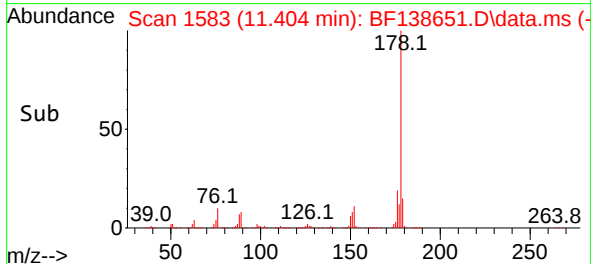
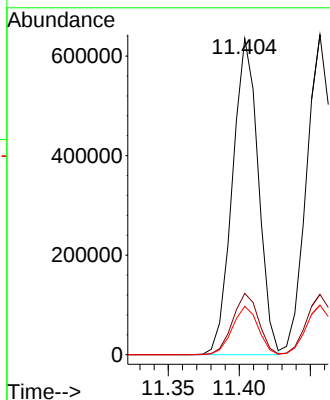
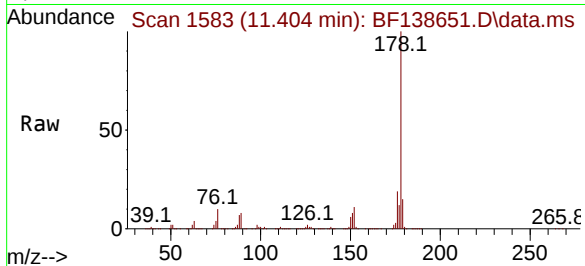




#71  
Phenanthrene  
Concen: 47.069 ng  
RT: 11.404 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

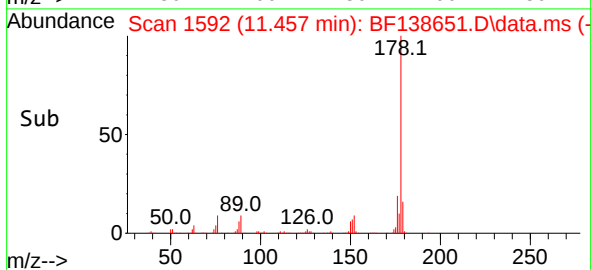
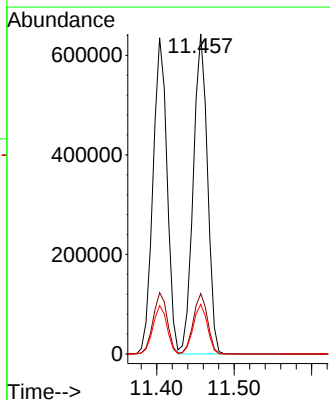
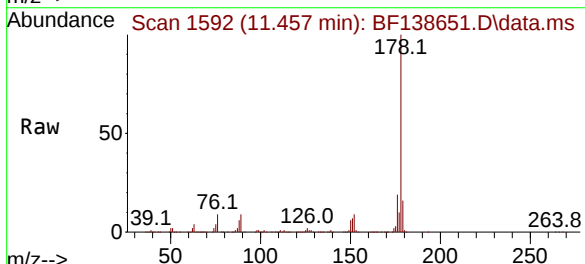
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

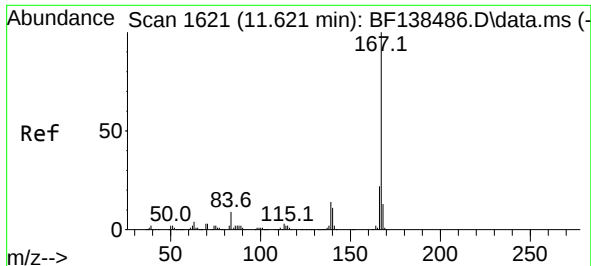
Tgt Ion:178 Resp: 802979  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.7 23.5  
179 15.3 12.2 18.2



#72  
Anthracene  
Concen: 48.189 ng  
RT: 11.457 min Scan# 1592  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

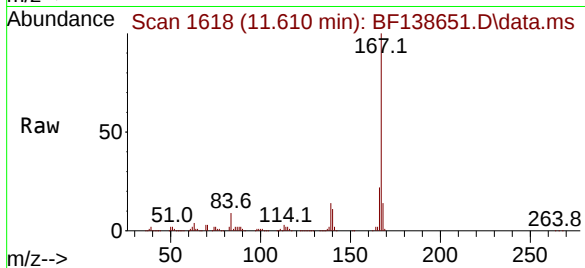
Tgt Ion:178 Resp: 816053  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.8 22.2  
179 15.5 12.2 18.4



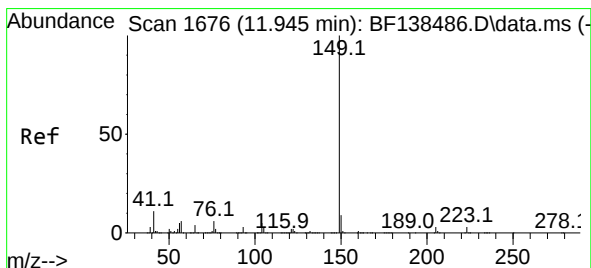
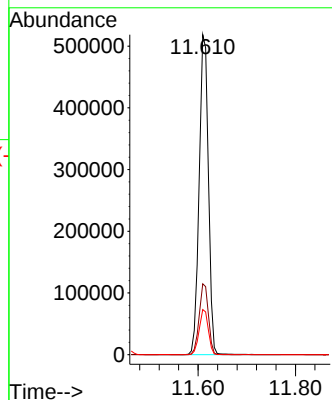
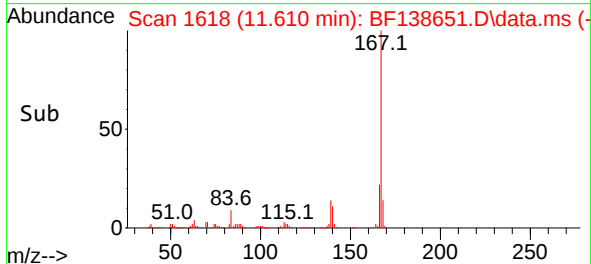


#73  
Carbazole  
Concen: 45.155 ng  
RT: 11.610 min Scan# 1618  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

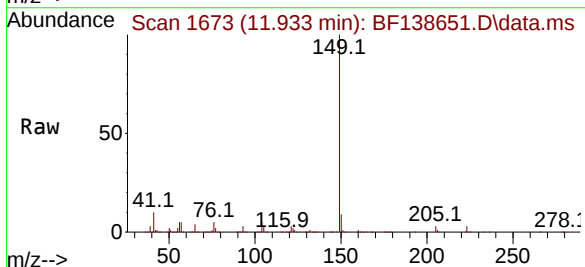
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS



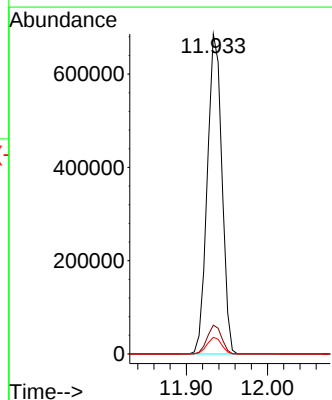
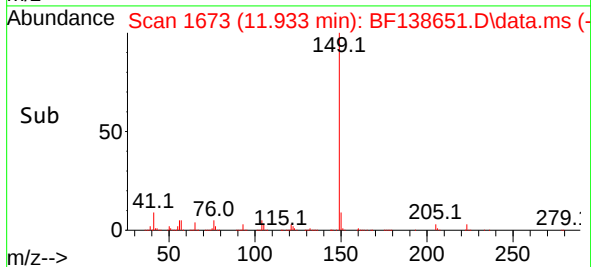
Tgt Ion:167 Resp: 687179  
Ion Ratio Lower Upper  
167 100  
166 22.2 17.8 26.6  
139 14.1 11.0 16.4

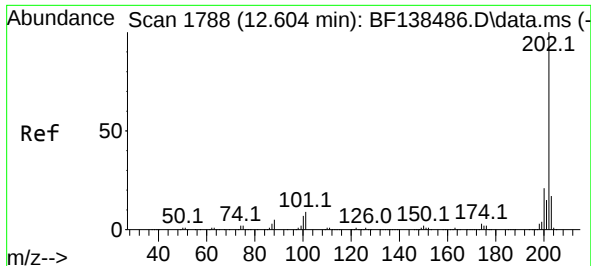


#74  
Di-n-butylphthalate  
Concen: 48.606 ng  
RT: 11.933 min Scan# 1673  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01



Tgt Ion:149 Resp: 852642  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.4 11.0  
104 5.2 4.4 6.6

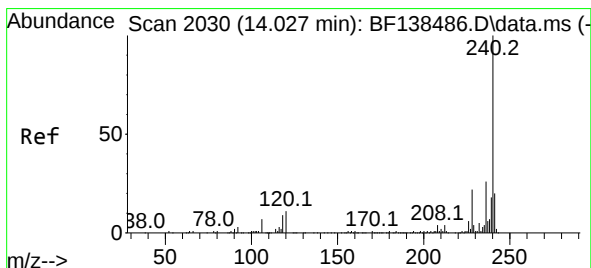
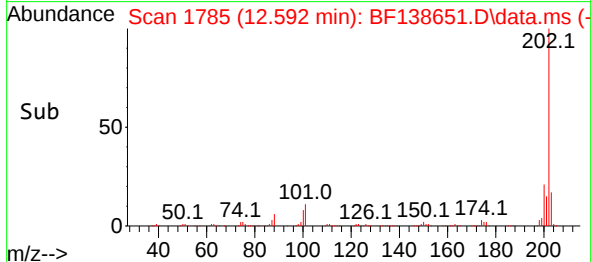
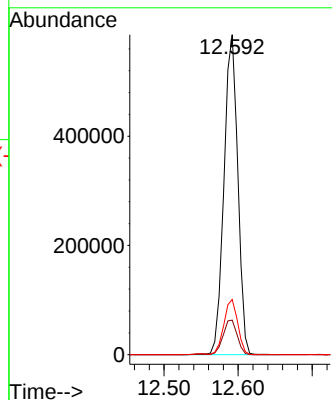
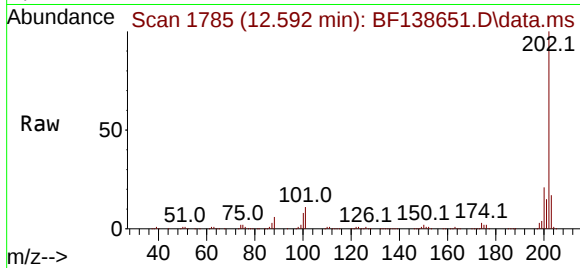




#75  
Fluoranthene  
Concen: 43.648 ng  
RT: 12.592 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

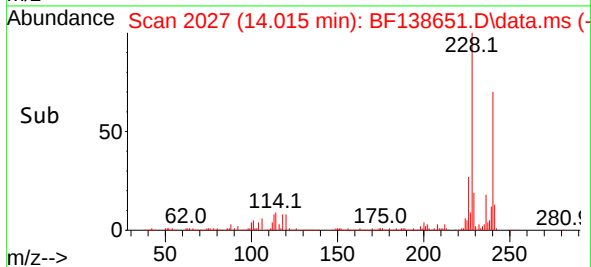
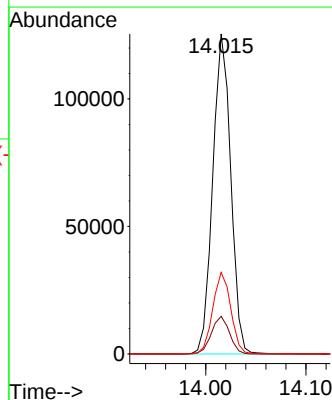
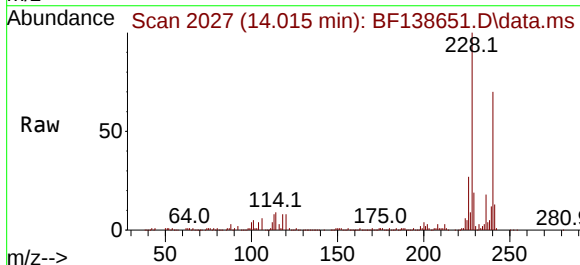
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

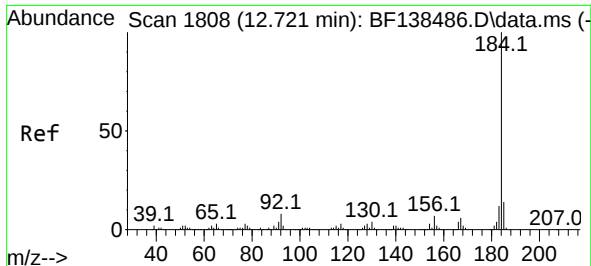
Tgt Ion:202 Resp: 759800  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 29.2  
203 17.3 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.015 min Scan# 2027  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:240 Resp: 156222  
Ion Ratio Lower Upper  
240 100  
120 11.7 8.6 12.8  
236 25.5 21.0 31.6

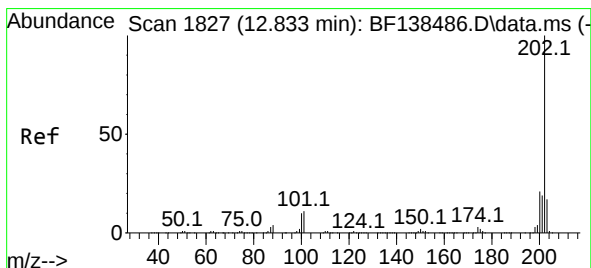
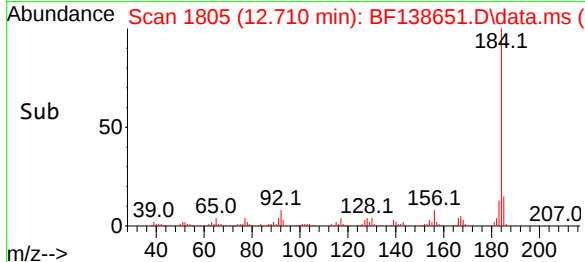
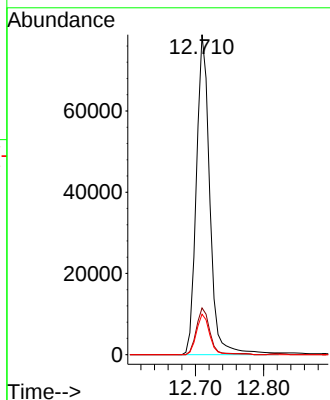
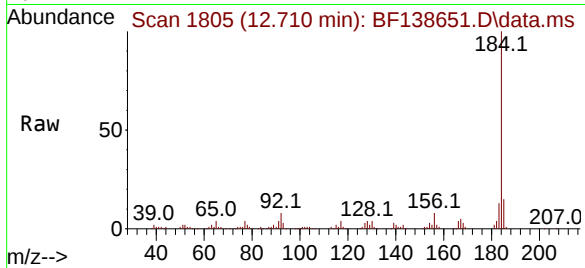




#77  
Benzidine  
Concen: 27.333 ng  
RT: 12.710 min Scan# 1805  
Delta R.T. -0.011 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

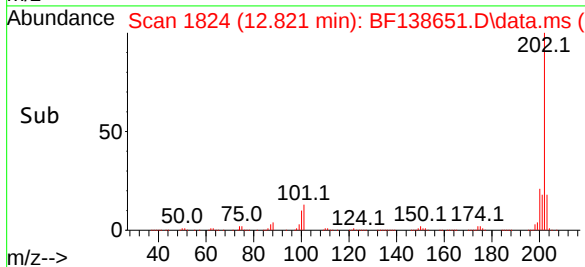
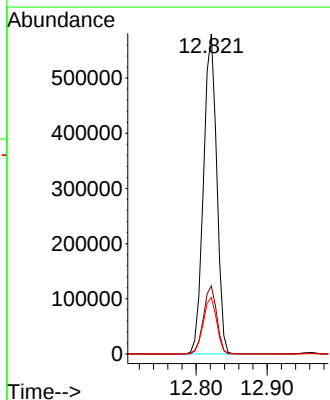
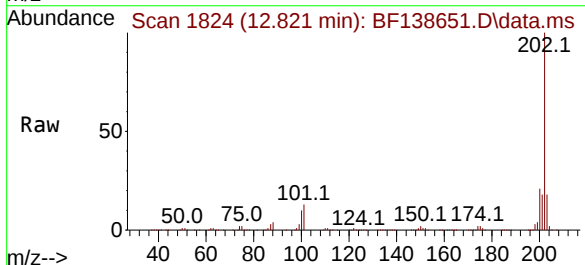
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

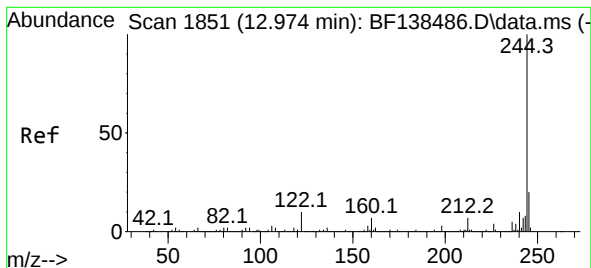
Tgt Ion:184 Resp: 107730  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.3 16.9  
183 12.7 9.5 14.3



#78  
Pyrene  
Concen: 47.400 ng  
RT: 12.821 min Scan# 1824  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:202 Resp: 751701  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.0 25.6  
203 17.7 13.7 20.5





#79

Terphenyl-d14

Concen: 103.735 ng

RT: 12.963 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

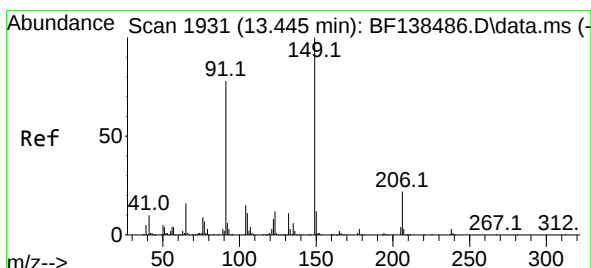
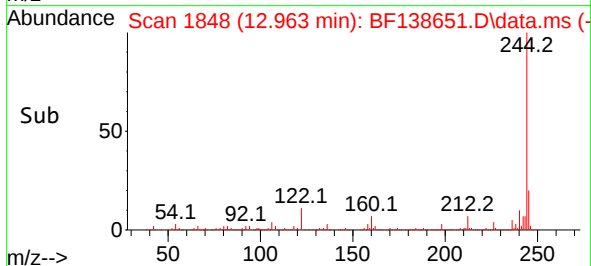
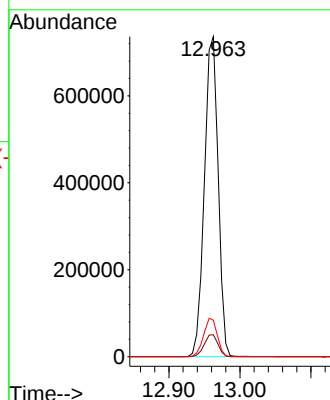
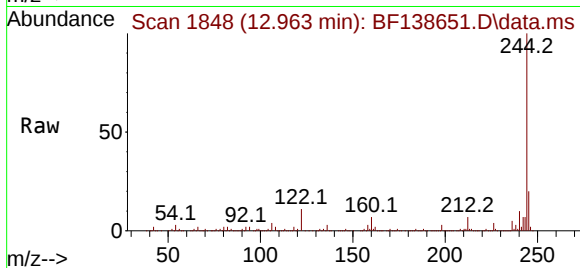
Tgt Ion:244 Resp: 994757

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.4 7.8 11.8



#80

Butylbenzylphthalate

Concen: 53.765 ng

RT: 13.433 min Scan# 1928

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

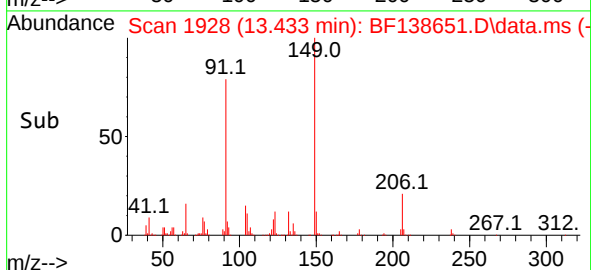
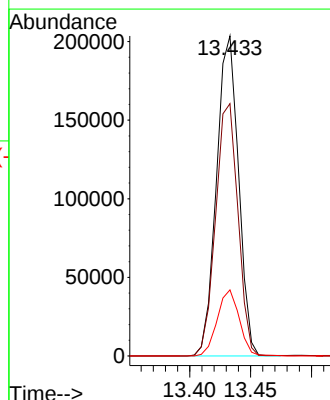
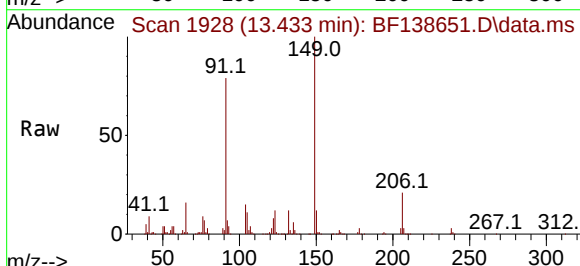
Tgt Ion:149 Resp: 256489

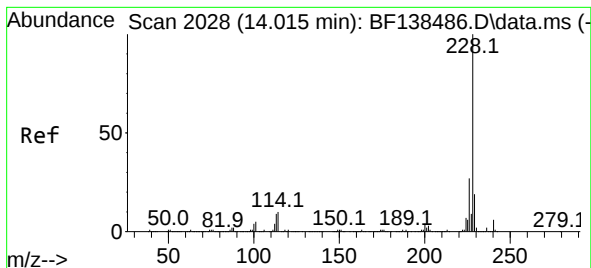
Ion Ratio Lower Upper

149 100

91 78.8 62.1 93.1

206 20.7 18.0 27.0





#81

Benzo(a)anthracene

Concen: 47.770 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

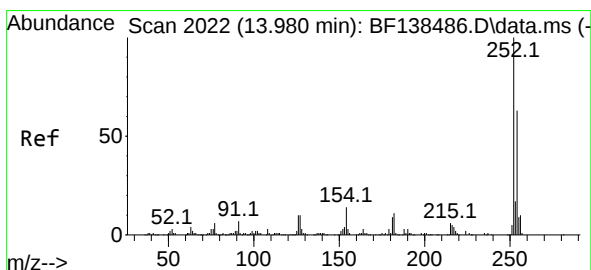
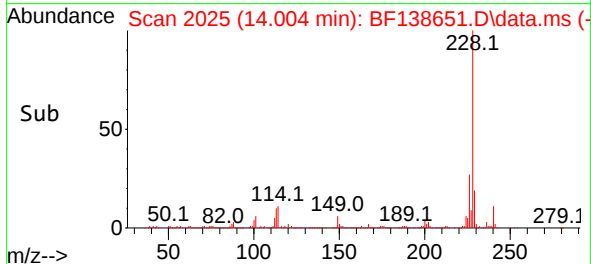
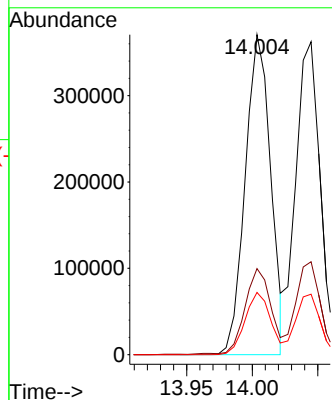
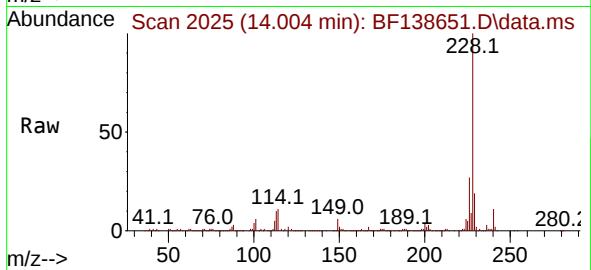
Tgt Ion:228 Resp: 500752

Ion Ratio Lower Upper

228 100

226 26.9 21.9 32.9

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 33.702 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

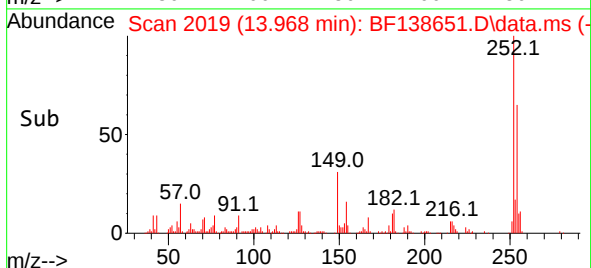
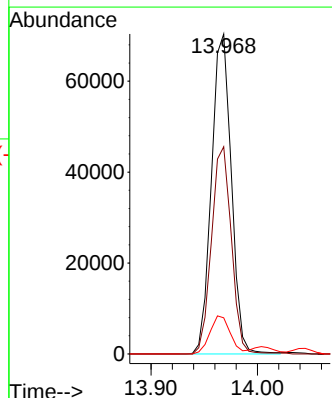
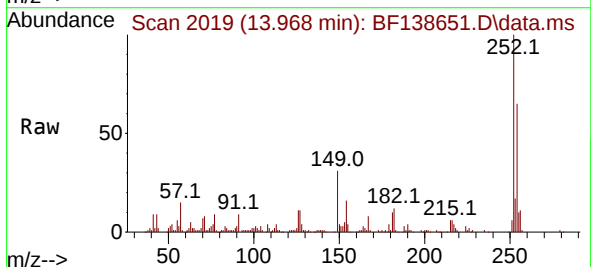
Tgt Ion:252 Resp: 91031

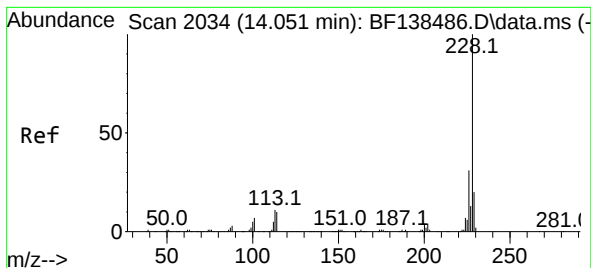
Ion Ratio Lower Upper

252 100

254 64.8 50.3 75.5

126 11.3 8.1 12.1





#83

Chrysene

Concen: 47.143 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

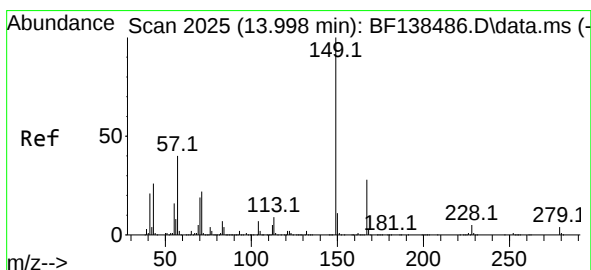
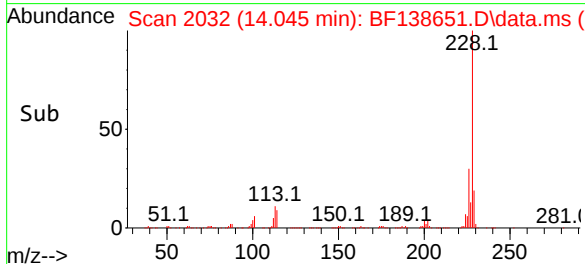
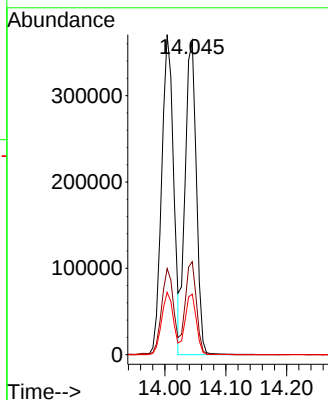
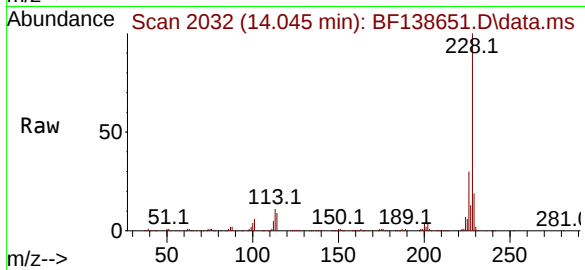
Tgt Ion:228 Resp: 467491

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 19.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.370 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

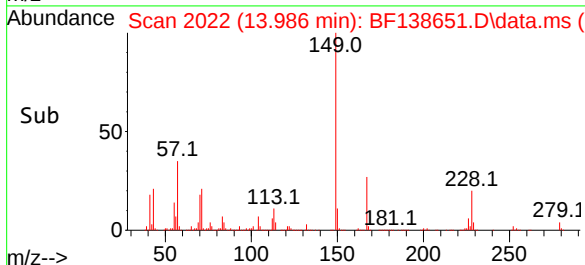
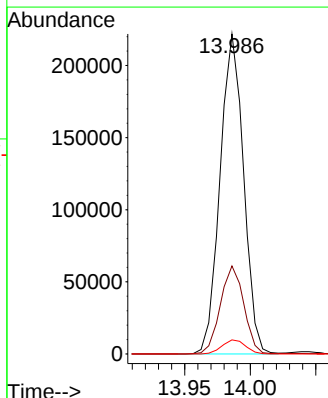
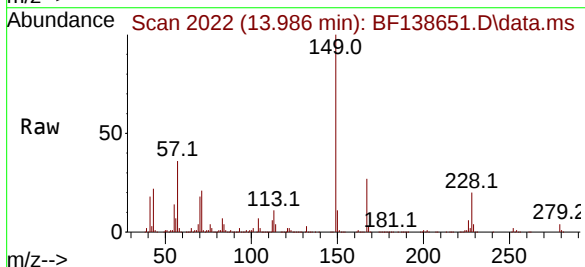
Tgt Ion:149 Resp: 276631

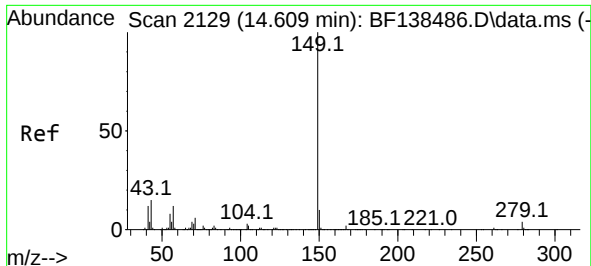
Ion Ratio Lower Upper

149 100

167 27.5 22.5 33.7

279 4.4 3.0 4.6

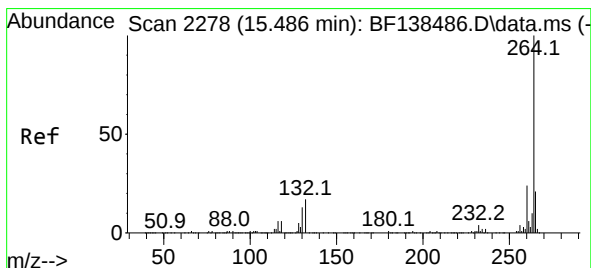
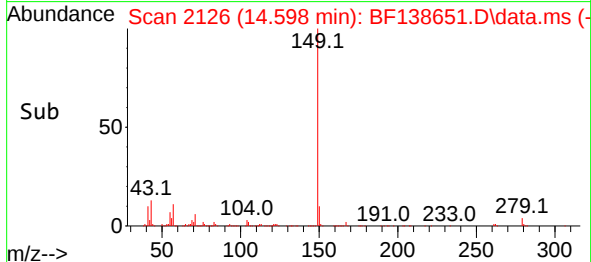
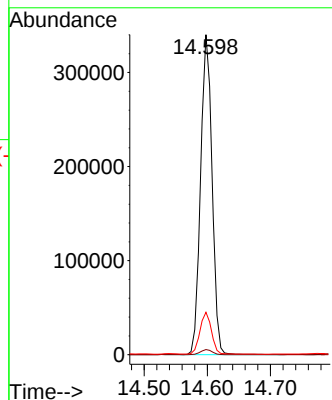
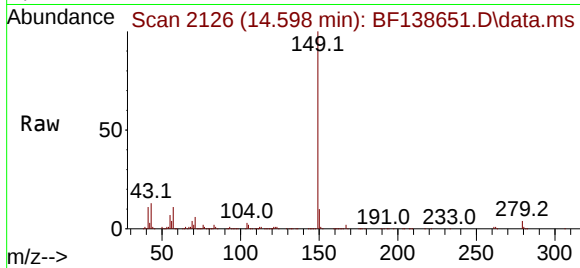




#85  
Di-n-octyl phthalate  
Concen: 53.339 ng  
RT: 14.598 min Scan# 2126  
Delta R.T. -0.011 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

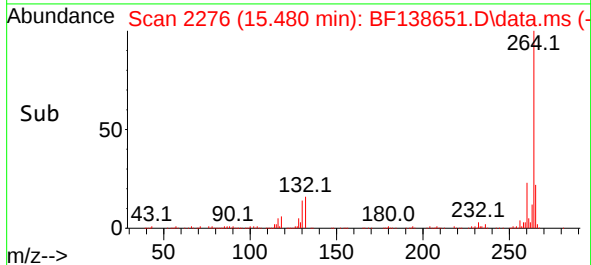
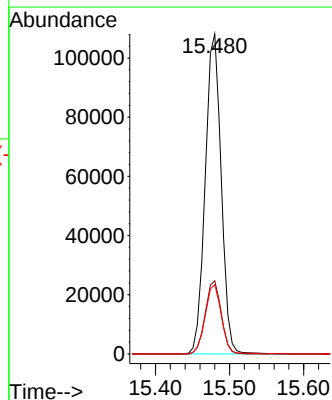
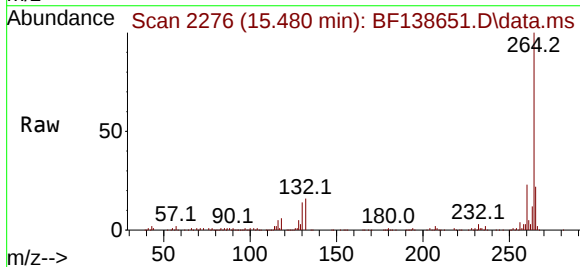
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

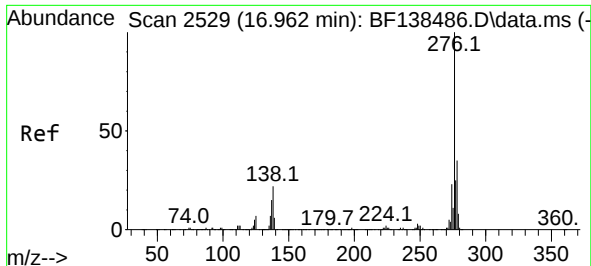
Tgt Ion:149 Resp: 428717  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 13.1 10.7 16.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.480 min Scan# 2276  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:264 Resp: 162138  
Ion Ratio Lower Upper  
264 100  
260 22.9 19.0 28.6  
265 21.7 17.0 25.4

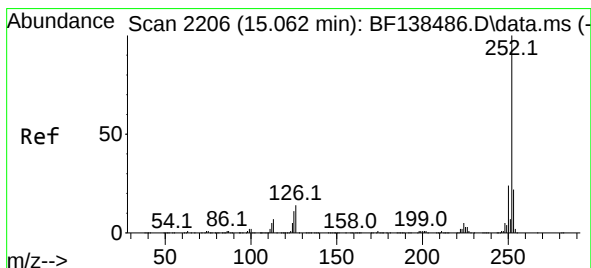
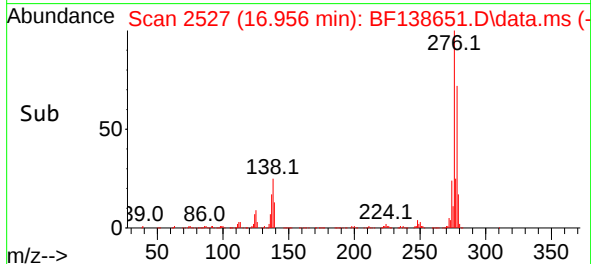
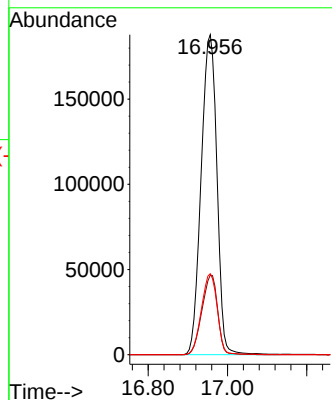
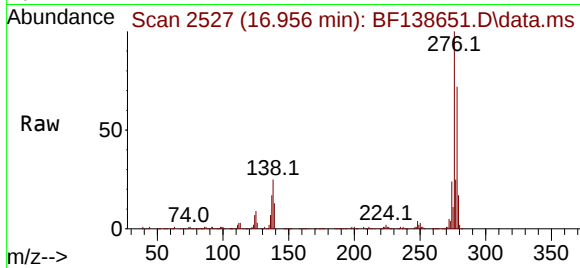




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 47.722 ng  
RT: 16.956 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

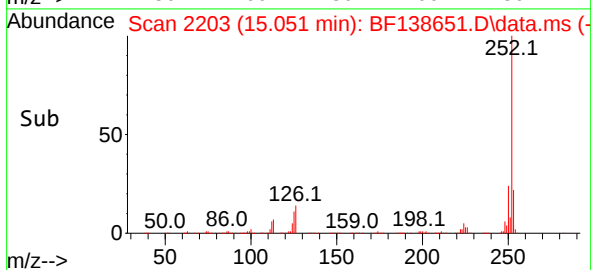
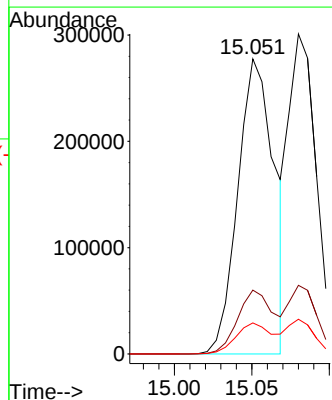
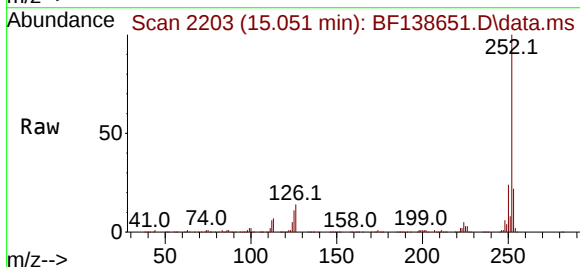
Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

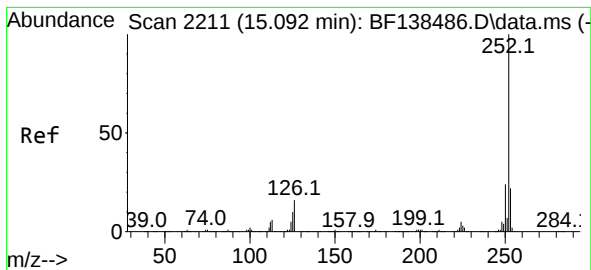
Tgt Ion:276 Resp: 519732  
Ion Ratio Lower Upper  
276 100  
138 24.7 19.6 29.4  
277 25.4 20.5 30.7



#88  
Benzo(b)fluoranthene  
Concen: 49.573 ng  
RT: 15.051 min Scan# 2203  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:252 Resp: 452659  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.3 25.9  
125 10.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 42.049 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

Instrument :

BNA\_F

ClientSampleId :

PB162271BS

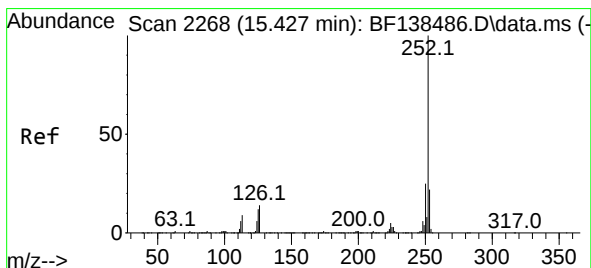
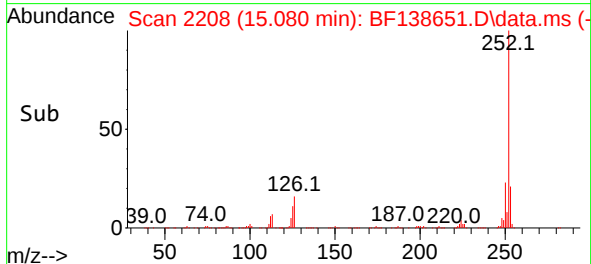
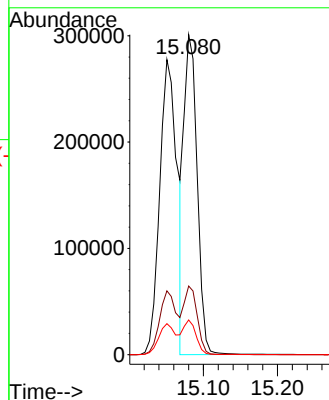
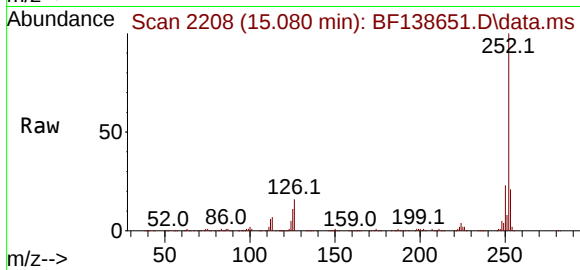
Tgt Ion:252 Resp: 374464

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 10.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 49.325 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF138651.D

Acq: 25 Jul 2024 14:01

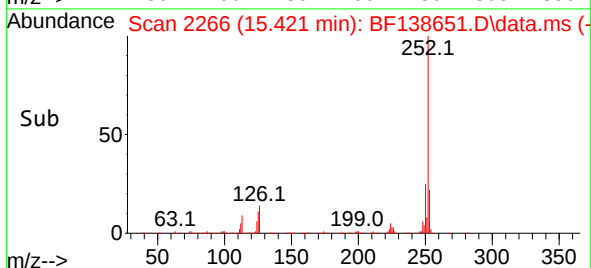
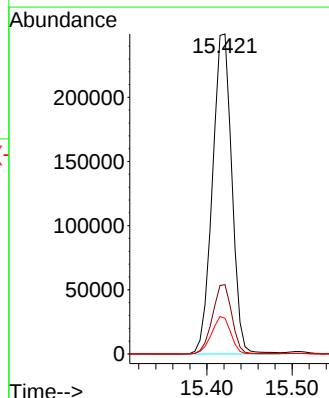
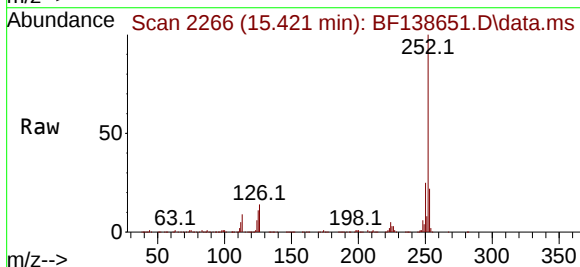
Tgt Ion:252 Resp: 395648

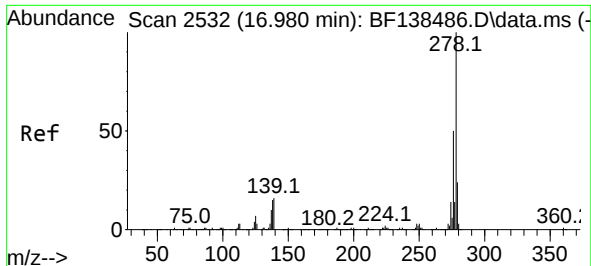
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 11.2 9.4 14.2

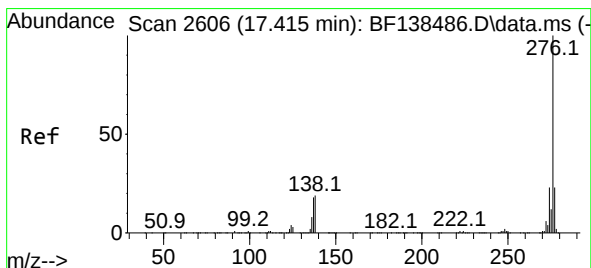
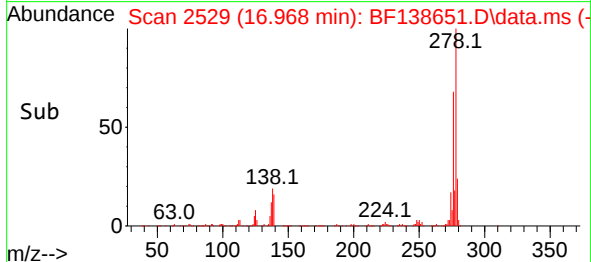
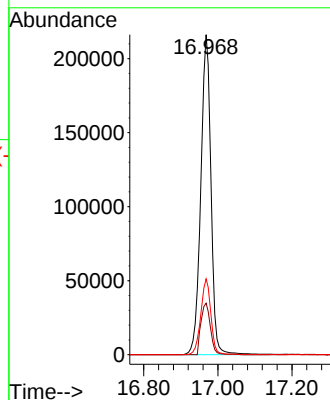
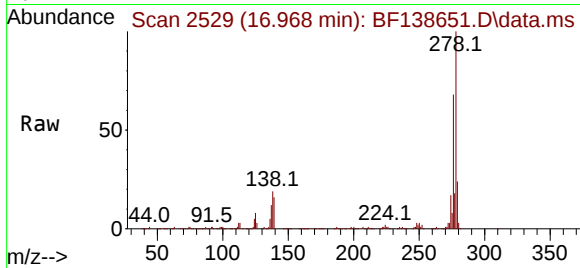




#91  
Dibenzo(a,h)anthracene  
Concen: 46.282 ng  
RT: 16.968 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB162271BS

Tgt Ion:278 Resp: 412317  
Ion Ratio Lower Upper  
278 100  
139 16.1 12.8 19.2  
279 23.7 19.1 28.7



#92  
Benzo(g,h,i)perylene  
Concen: 43.401 ng  
RT: 17.398 min Scan# 2602  
Delta R.T. -0.018 min  
Lab File: BF138651.D  
Acq: 25 Jul 2024 14:01

Tgt Ion:276 Resp: 410006  
Ion Ratio Lower Upper  
276 100  
277 23.0 18.0 27.0  
138 21.2 15.5 23.3

