

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080625\  
 Data File : BF143323.D  
 Acq On : 06 Aug 2025 11:36  
 Operator : RC/JU  
 Sample : PB169106BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169106BS

Quant Time: Aug 06 11:59:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 113566   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 430982   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.004 | 164  | 226008   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.492 | 188  | 366768   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.133 | 240  | 218116   | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 15.639 | 264  | 231621   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.610  | 112  | 842147   | 117.347 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.598  | 99   | 1065274  | 117.932 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.522  | 82   | 711762   | 82.322  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.792 | 330  | 295021   | 126.359 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 1281044  | 77.519  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.068 | 244  | 1204586  | 82.184  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.893  | 88   | 120280   | 35.421  | ng    | 99       |
| 3) Pyridine                   | 3.651  | 79   | 331047   | 37.560  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.593  | 42   | 184494   | 40.543  | ng    | 95       |
| 6) Aniline                    | 6.622  | 93   | 343782   | 27.308  | ng    | # 79     |
| 8) 2-Chlorophenol             | 6.751  | 128  | 321033   | 42.677  | ng    | 98       |
| 9) Benzaldehyde               | 6.510  | 77   | 197213   | 29.116  | ng    | 99       |
| 10) Phenol                    | 6.610  | 94   | 404743   | 41.130  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.692  | 93   | 323412   | 42.924  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.904  | 146  | 340851   | 41.711  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.981  | 146  | 343020   | 41.682  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.134  | 146  | 329775   | 42.132  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.098  | 79   | 291794   | 42.307  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234  | 45   | 596198   | 42.656  | ng    | 96       |
| 17) 2-Methylphenol            | 7.216  | 107  | 266136   | 42.077  | ng    | 98       |
| 18) Hexachloroethane          | 7.475  | 117  | 121233   | 42.554  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 235154   | 40.577  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.363  | 107  | 315288   | 41.085  | ng    | # 76     |
| 22) Acetophenone              | 7.369  | 105  | 424451   | 41.598  | ng    | # 97     |
| 24) Nitrobenzene              | 7.539  | 77   | 351904   | 43.656  | ng    | 99       |
| 25) Isophorone                | 7.781  | 82   | 656988   | 43.044  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.857  | 139  | 175693   | 50.221  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.892  | 122  | 295630   | 41.457  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.986  | 93   | 397686   | 43.457  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.098  | 162  | 262165   | 43.594  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.186  | 180  | 280608   | 43.190  | ng    | 100      |
| 31) Naphthalene               | 8.269  | 128  | 915423   | 43.129  | ng    | 100      |
| 32) Benzoic acid              | 8.004  | 122  | 154366   | 39.461  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.310  | 127  | 132807   | 15.324  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.386  | 225  | 170566   | 42.976  | ng    | 99       |
| 35) Caprolactam               | 8.681  | 113  | 87478    | 48.137  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.792  | 107  | 283707   | 43.403  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.957  | 142  | 560060   | 43.362  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.057  | 142  | 569541   | 42.822  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.128  | 216  | 275115   | 42.163  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.116  | 237  | 290674   | 68.463  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.233  | 196  | 182380   | 40.386  | ng    | 100      |

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 Response via : Initial Calibration

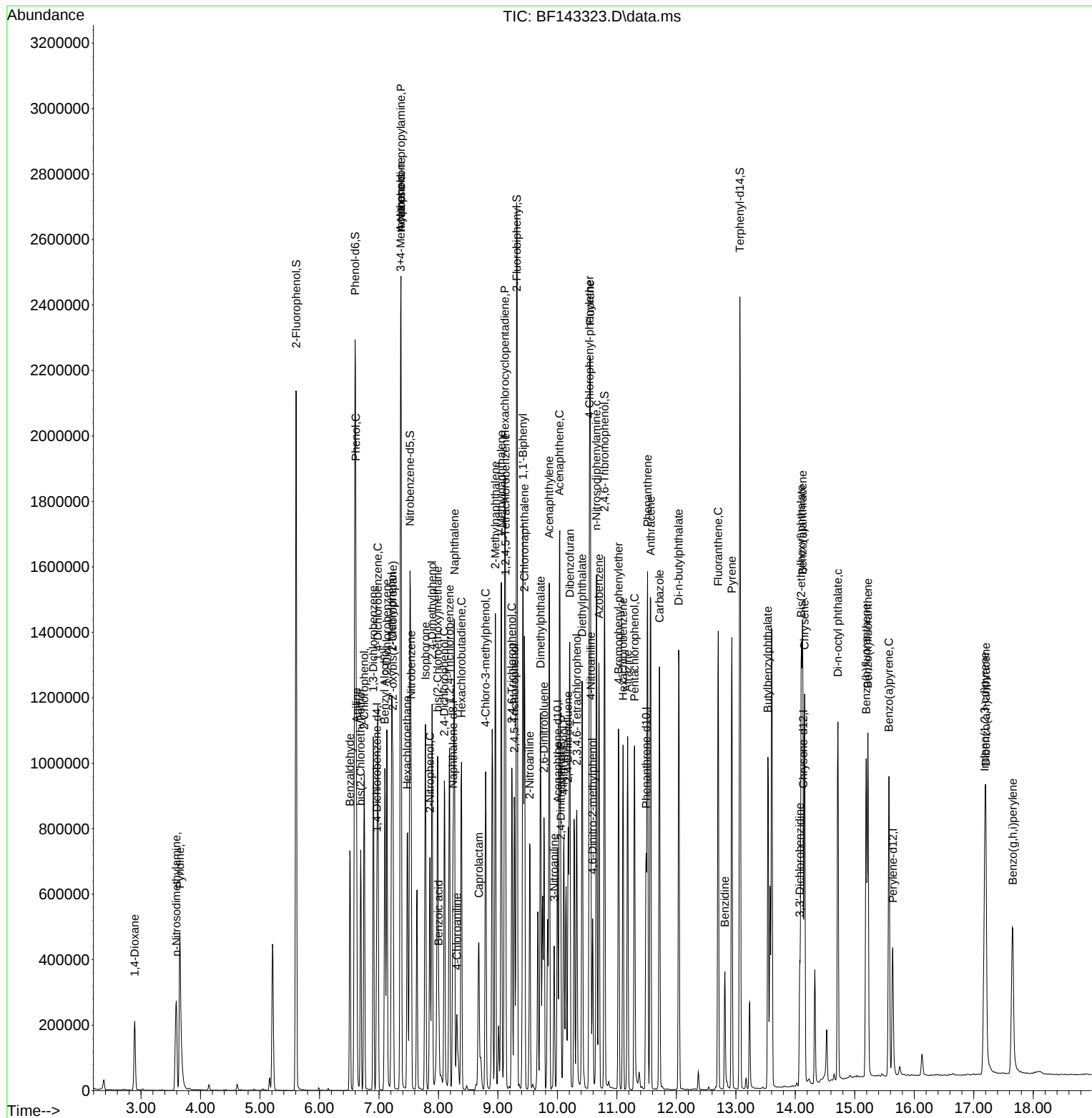
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.275  | 196  | 191583   | 42.411 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.422  | 154  | 745971   | 42.305 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.445  | 162  | 549316   | 42.102 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.533  | 65   | 184070   | 44.988 | ng    | 98       |
| 49) Acenaphthylene            | 9.863  | 152  | 933501   | 42.694 | ng    | 100      |
| 50) Dimethylphthalate         | 9.716  | 163  | 655906   | 44.523 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 142737   | 47.628 | ng    | 98       |
| 52) Acenaphthene              | 10.033 | 154  | 594413   | 45.996 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.945  | 138  | 92055    | 26.261 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 10.057 | 184  | 122873   | 89.592 | ng    | # 1      |
| 55) Dibenzofuran              | 10.210 | 168  | 804945   | 41.953 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.110 | 139  | 181692   | 69.412 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.180 | 165  | 189540   | 50.411 | ng    | 97       |
| 58) Fluorene                  | 10.551 | 166  | 619917   | 43.049 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.327 | 232  | 159922   | 42.738 | ng    | 97       |
| 60) Diethylphthalate          | 10.416 | 149  | 647262   | 44.452 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.539 | 204  | 312846   | 43.630 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.563 | 138  | 131161   | 43.658 | ng    | 97       |
| 63) Azobenzene                | 10.698 | 77   | 652365   | 42.987 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.592 | 198  | 91775    | 47.762 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.657 | 169  | 542862   | 42.033 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 11.027 | 248  | 188848   | 43.206 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.104 | 284  | 197340   | 43.196 | ng    | 98       |
| 69) Atrazine                  | 11.180 | 200  | 170389   | 47.855 | ng    | 99       |
| 70) Pentachlorophenol         | 11.298 | 266  | 191047   | 71.110 | ng    | 99       |
| 71) Phenanthrene              | 11.516 | 178  | 820547   | 42.135 | ng    | 100      |
| 72) Anthracene                | 11.569 | 178  | 844668   | 42.528 | ng    | 100      |
| 73) Carbazole                 | 11.716 | 167  | 734242   | 42.336 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.039 | 149  | 967770   | 49.317 | ng    | 100      |
| 75) Fluoranthene              | 12.704 | 202  | 807761   | 45.190 | ng    | 99       |
| 77) Benzidine                 | 12.816 | 184  | 209571   | 24.939 | ng    | 99       |
| 78) Pyrene                    | 12.933 | 202  | 796950   | 42.812 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.539 | 149  | 325961   | 57.184 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.121 | 228  | 644421   | 44.130 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.074 | 252  | 114861   | 23.600 | ng    | 99       |
| 83) Chrysene                  | 14.157 | 228  | 567438   | 43.219 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.098 | 149  | 443590   | 51.414 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.715 | 149  | 716056   | 45.787 | ng    | # 99     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.186 | 276  | 639442   | 39.152 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.192 | 252  | 587738   | 41.536 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.221 | 252  | 608697   | 48.207 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.574 | 252  | 579387   | 44.442 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.203 | 278  | 515564   | 38.783 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.656 | 276  | 500415   | 38.915 | ng    | 99       |

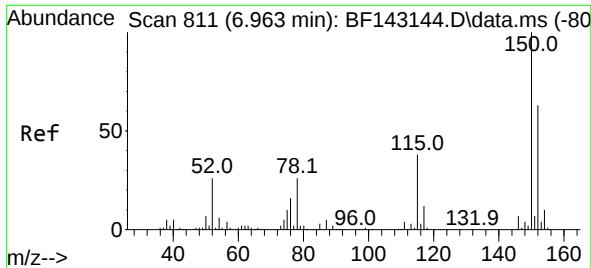
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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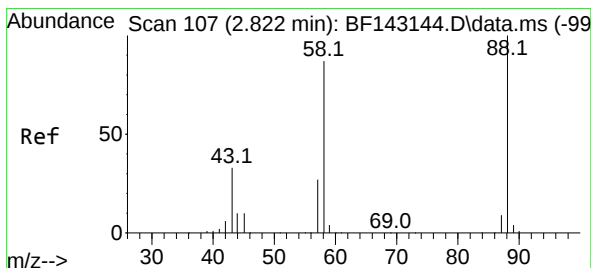
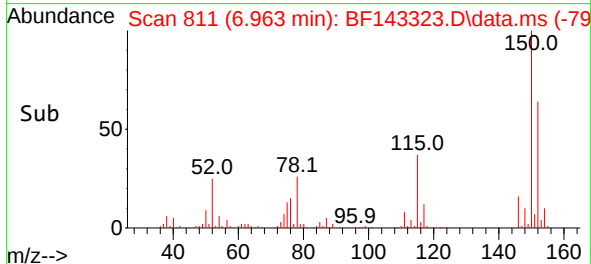
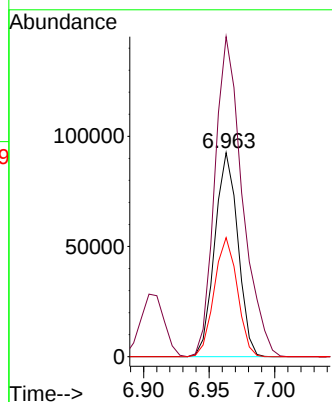
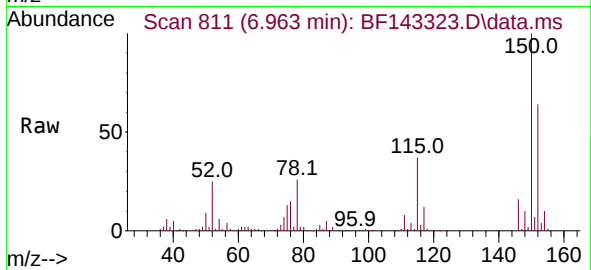




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.963 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: BF143323.D  
 Acq: 06 Aug 2025 11:36

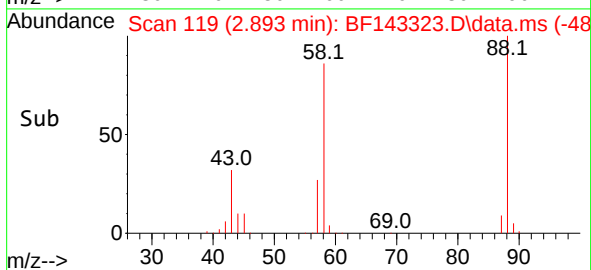
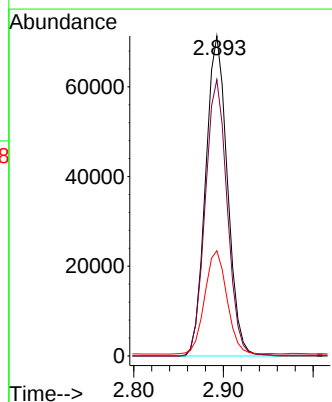
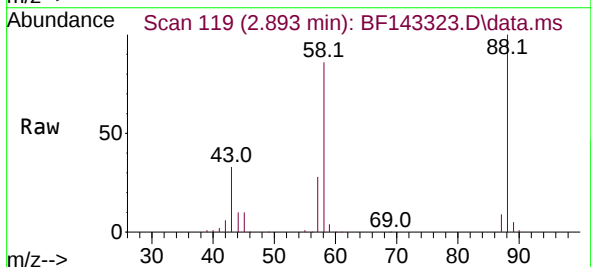
Instrument :  
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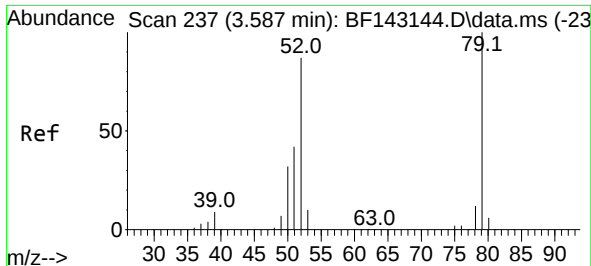
Tgt Ion:152 Resp: 113566  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 128.2 192.4  
 115 58.4 47.9 71.9



#2  
 1,4-Dioxane  
 Concen: 35.421 ng  
 RT: 2.893 min Scan# 119  
 Delta R.T. 0.071 min  
 Lab File: BF143323.D  
 Acq: 06 Aug 2025 11:36

Tgt Ion: 88 Resp: 120280  
 Ion Ratio Lower Upper  
 88 100  
 58 87.1 70.2 105.2  
 43 33.0 27.1 40.7

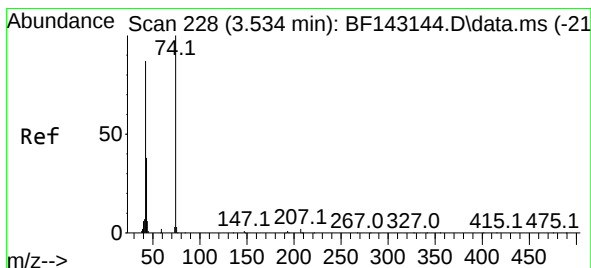
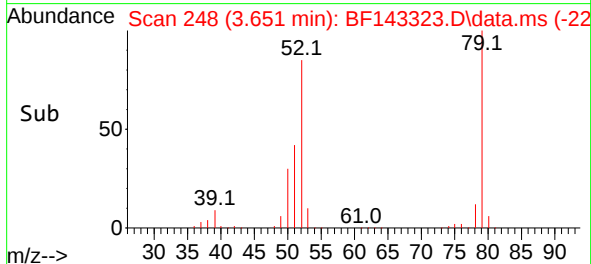
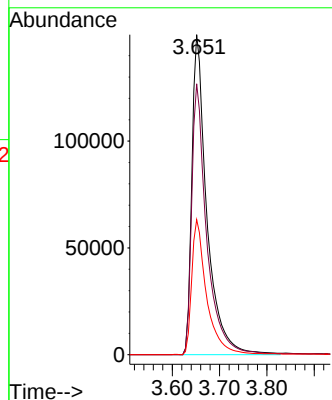
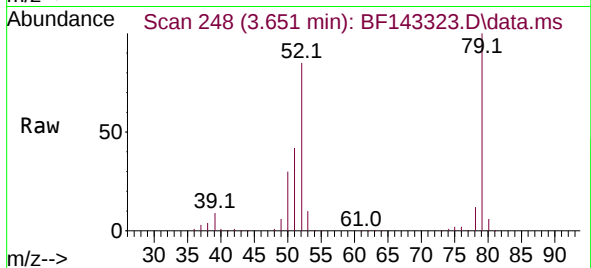




#3  
Pyridine  
Concen: 37.560 ng  
RT: 3.651 min Scan# 24  
Delta R.T. 0.065 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

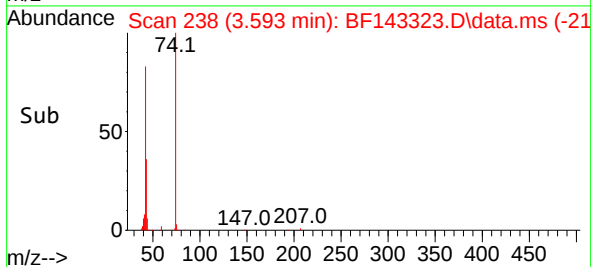
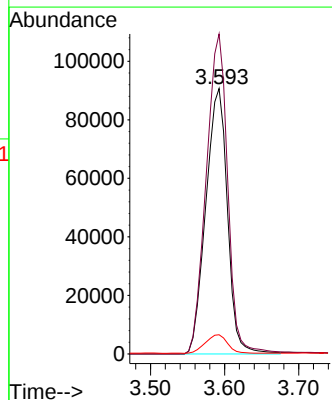
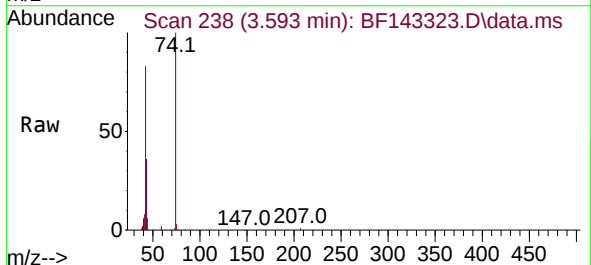
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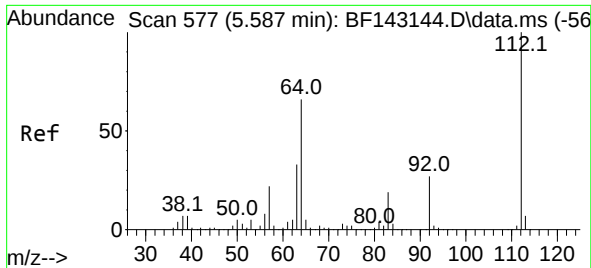
Tgt Ion: 79 Resp: 331047  
Ion Ratio Lower Upper  
79 100  
52 84.7 69.4 104.2  
51 42.2 33.5 50.3



#4  
n-Nitrosodimethylamine  
Concen: 40.543 ng  
RT: 3.593 min Scan# 238  
Delta R.T. 0.059 min  
Lab File: BF143323.D  
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Tgt Ion: 42 Resp: 184494  
Ion Ratio Lower Upper  
42 100  
74 120.6 91.7 137.5  
44 7.3 5.6 8.4

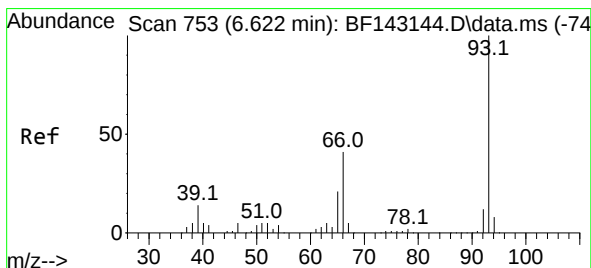
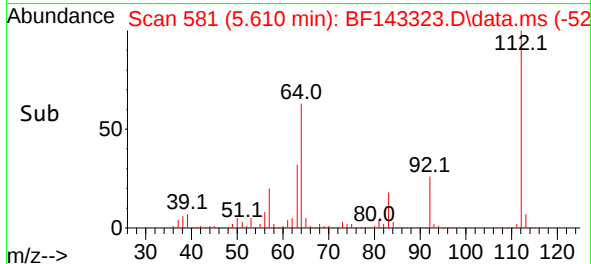
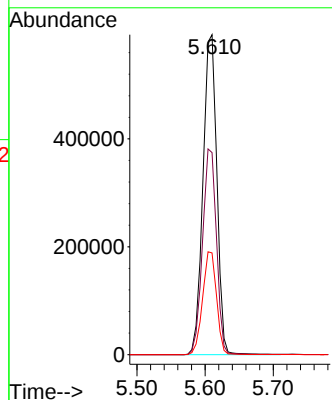
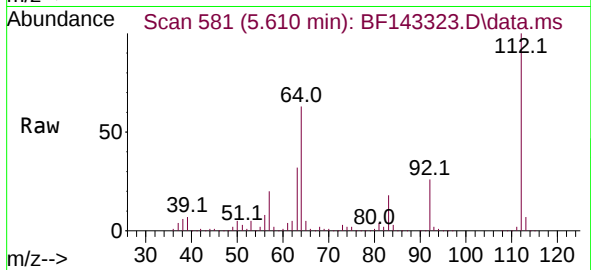




#5  
2-Fluorophenol  
Concen: 117.347 ng  
RT: 5.610 min Scan# 581  
Delta R.T. 0.023 min  
Lab File: BF143323.D  
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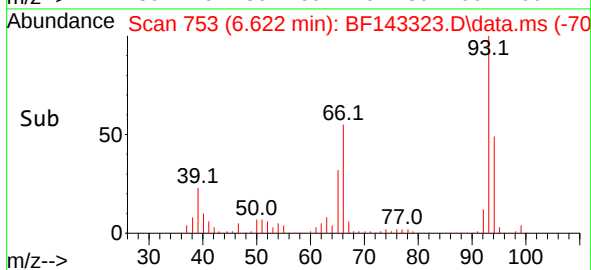
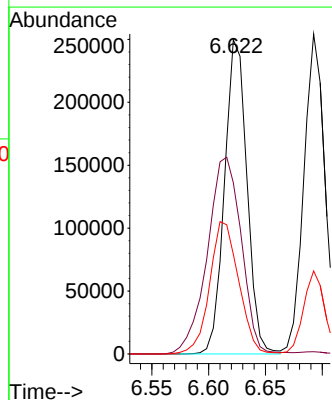
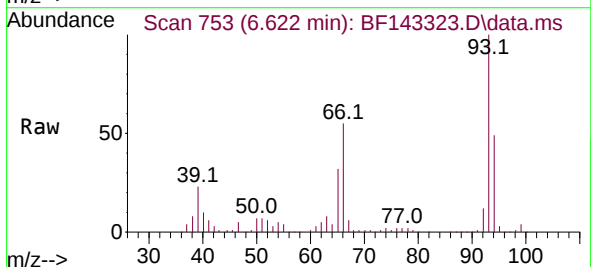
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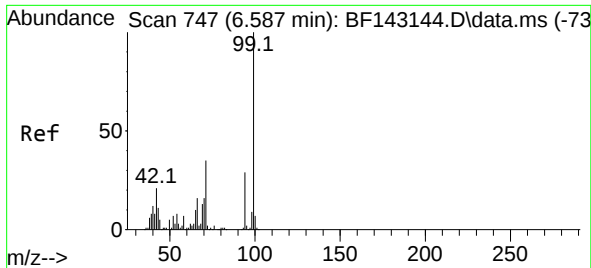
Tgt Ion:112 Resp: 842147  
Ion Ratio Lower Upper  
112 100  
64 63.2 53.1 79.7  
63 31.8 26.6 40.0



#6  
Aniline  
Concen: 27.308 ng  
RT: 6.622 min Scan# 753  
Delta R.T. -0.000 min  
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Tgt Ion: 93 Resp: 343782  
Ion Ratio Lower Upper  
93 100  
66 54.5 33.2 49.8#  
65 31.7 16.9 25.3#

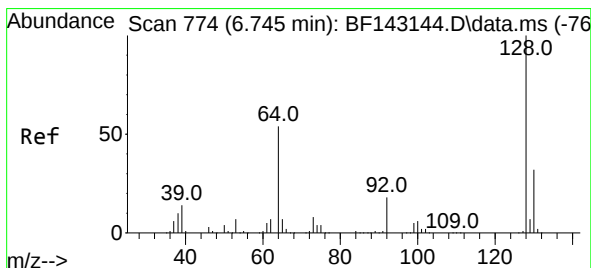
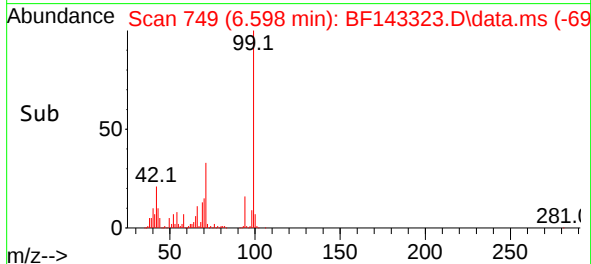
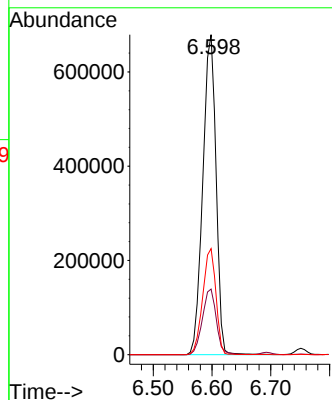
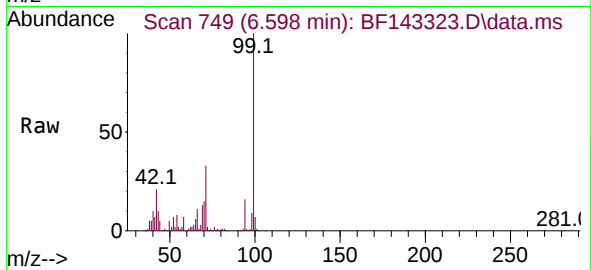




#7  
Phenol-d6  
Concen: 117.932 ng  
RT: 6.598 min Scan# 749  
Delta R.T. 0.012 min  
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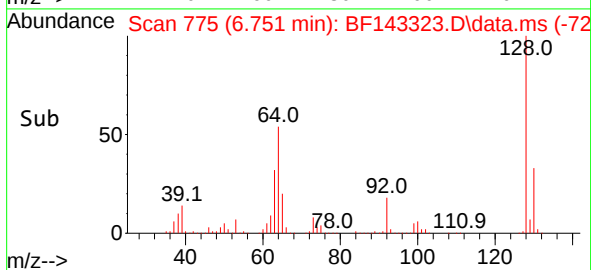
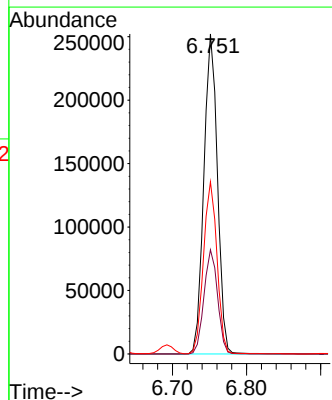
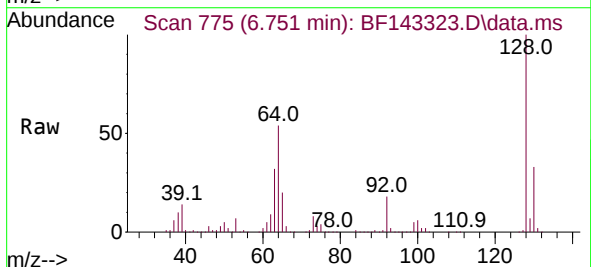
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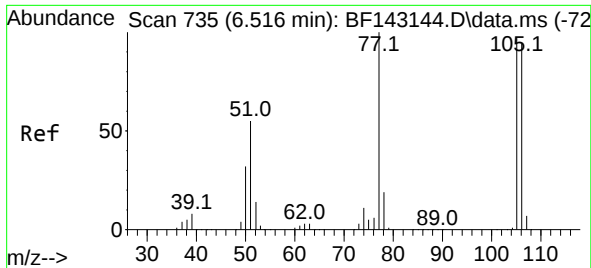
Tgt Ion: 99 Resp: 1065274  
Ion Ratio Lower Upper  
99 100  
42 20.5 17.0 25.6  
71 33.2 27.7 41.5



#8  
2-Chlorophenol  
Concen: 42.677 ng  
RT: 6.751 min Scan# 775  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion: 128 Resp: 321033  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.3 52.3  
64 53.8 35.9 75.9

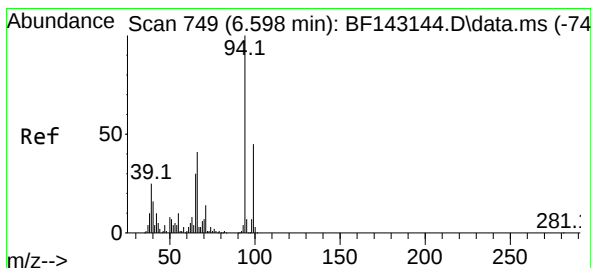
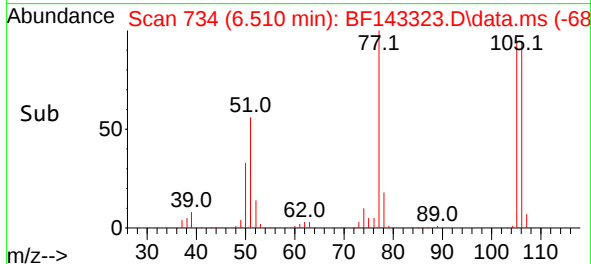
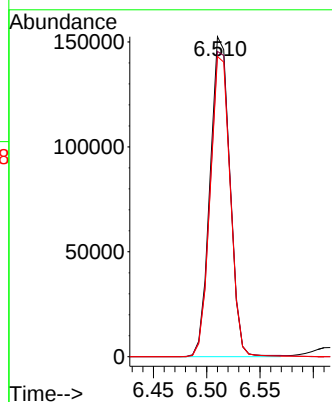
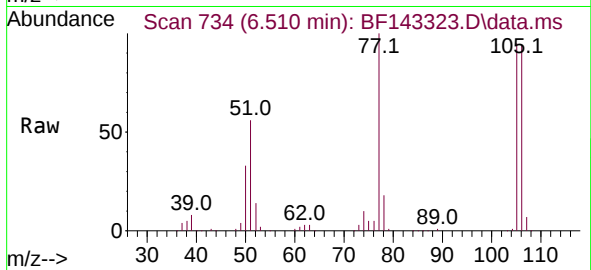




#9  
Benzaldehyde  
Concen: 29.116 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

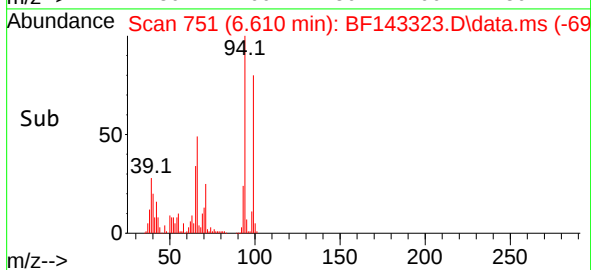
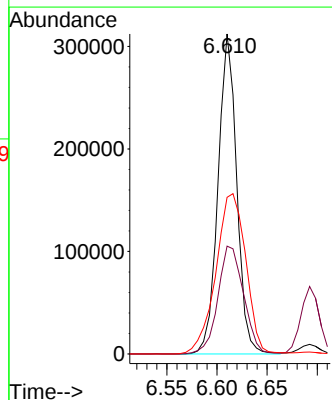
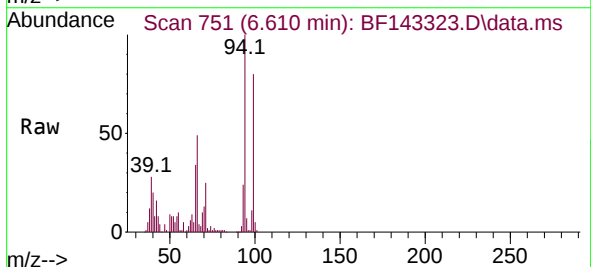
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

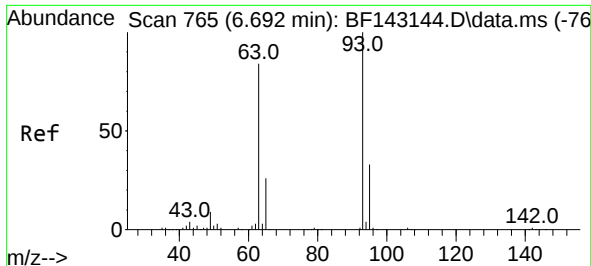
Tgt Ion: 77 Resp: 197213  
Ion Ratio Lower Upper  
77 100  
105 95.4 76.8 116.8  
106 93.8 74.4 114.4



#10  
Phenol  
Concen: 41.130 ng  
RT: 6.610 min Scan# 751  
Delta R.T. 0.012 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion: 94 Resp: 404743  
Ion Ratio Lower Upper  
94 100  
65 33.7 10.0 50.0  
66 48.9 20.8 60.8

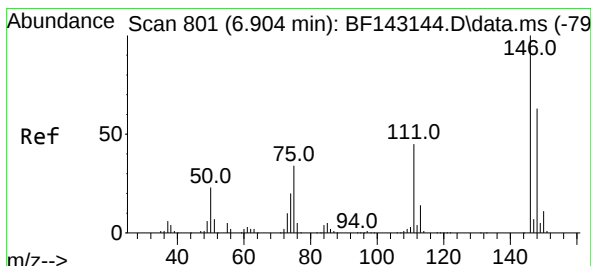
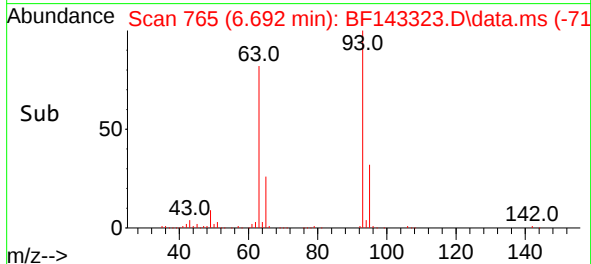
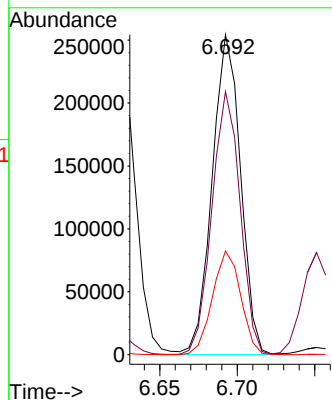
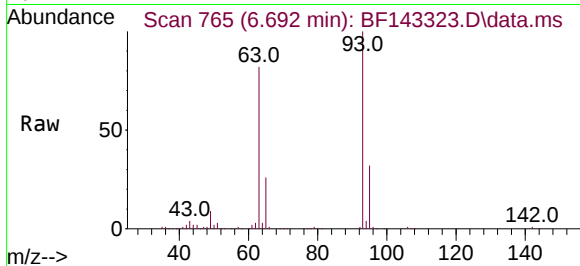




#11  
bis(2-Chloroethyl)ether  
Concen: 42.924 ng  
RT: 6.692 min Scan# 765  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

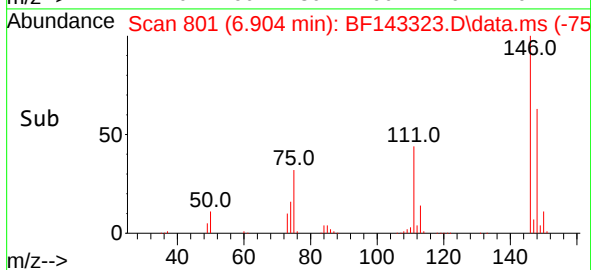
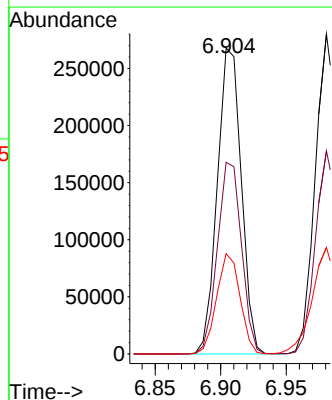
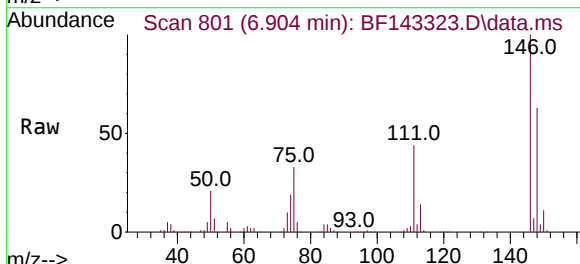
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

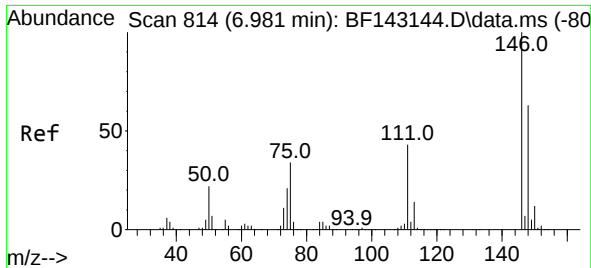
Tgt Ion: 93 Resp: 323412  
Ion Ratio Lower Upper  
93 100  
63 82.2 63.4 103.4  
95 32.4 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 41.711 ng  
RT: 6.904 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion: 146 Resp: 340851  
Ion Ratio Lower Upper  
146 100  
148 62.6 50.6 76.0  
75 32.8 27.4 41.2

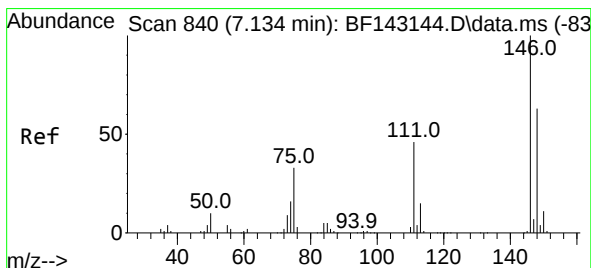
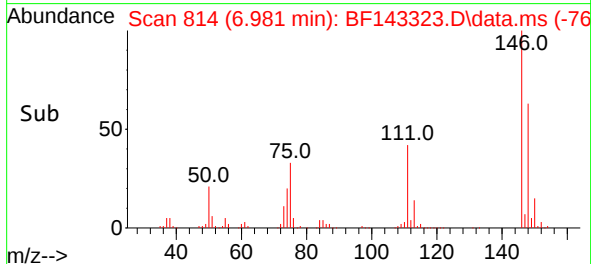
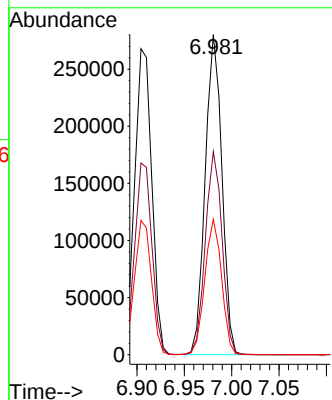
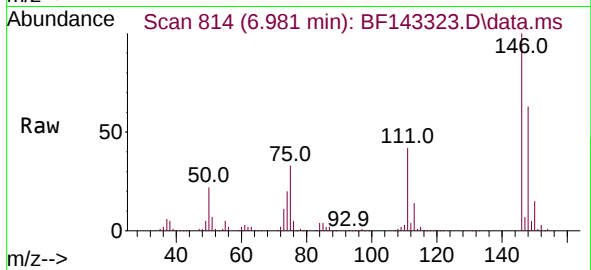




#13  
1,4-Dichlorobenzene  
Concen: 41.682 ng  
RT: 6.981 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

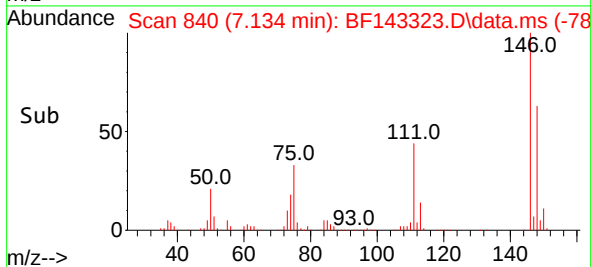
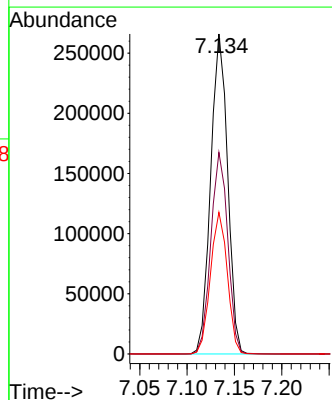
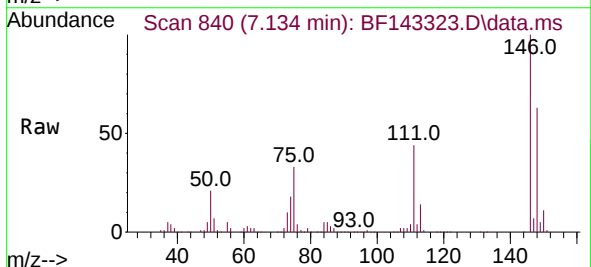
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

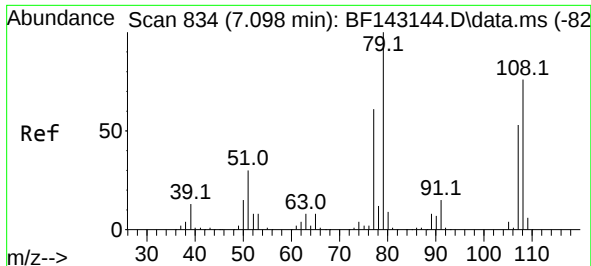
Tgt Ion:146 Resp: 343020  
Ion Ratio Lower Upper  
146 100  
148 63.5 50.3 75.5  
111 42.3 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 42.132 ng  
RT: 7.134 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:146 Resp: 329775  
Ion Ratio Lower Upper  
146 100  
148 63.0 50.7 76.1  
111 44.3 36.6 54.8

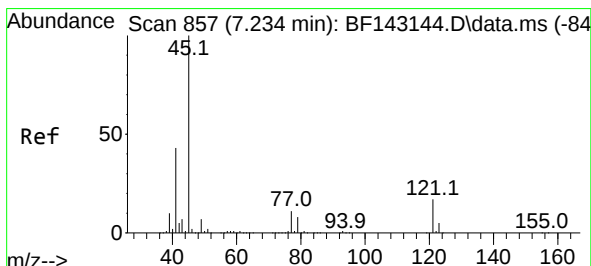
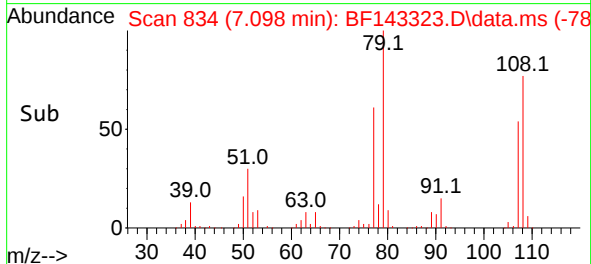
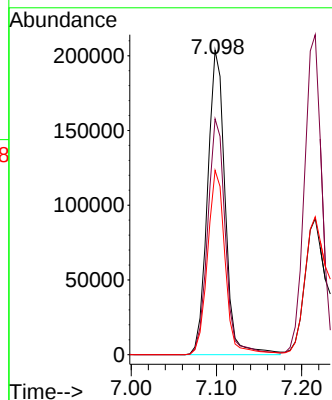
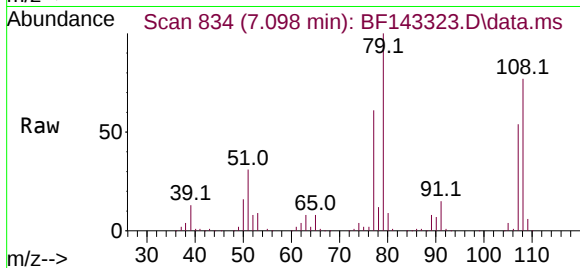




#15  
Benzyl Alcohol  
Concen: 42.307 ng  
RT: 7.098 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

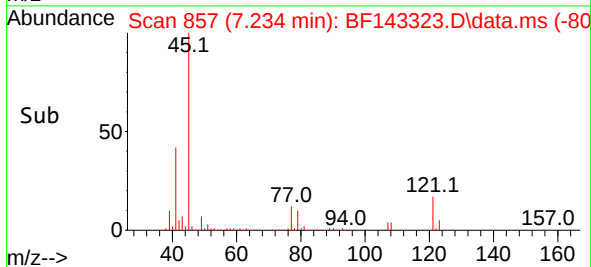
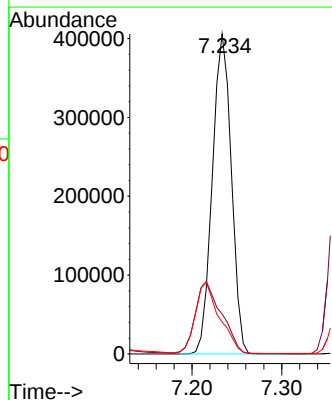
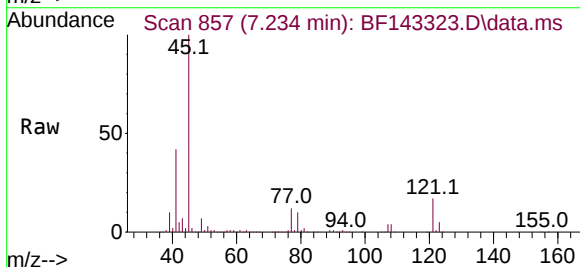
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

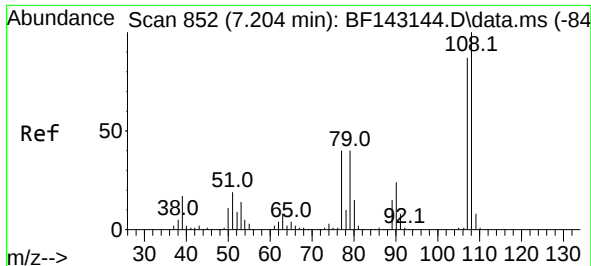
Tgt Ion: 79 Resp: 291794  
Ion Ratio Lower Upper  
79 100  
108 77.5 61.1 91.7  
77 60.5 48.9 73.3



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 42.656 ng  
RT: 7.234 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

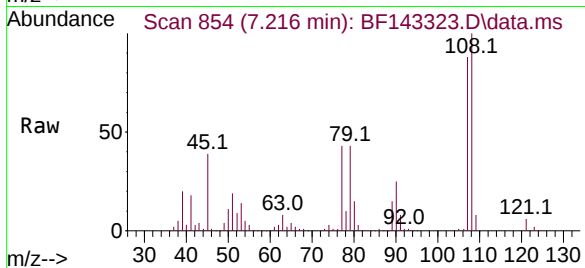
Tgt Ion: 45 Resp: 596198  
Ion Ratio Lower Upper  
45 100  
77 12.4 0.0 31.2  
79 10.0 0.0 28.5



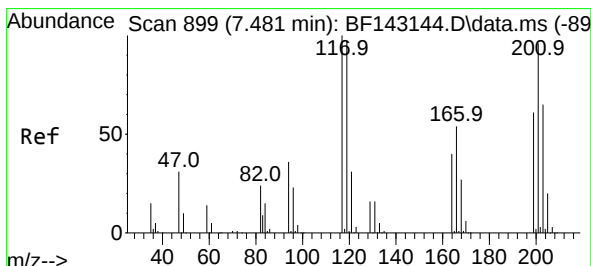
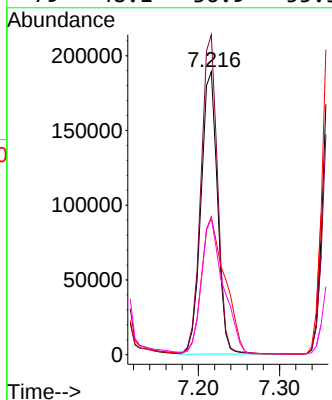
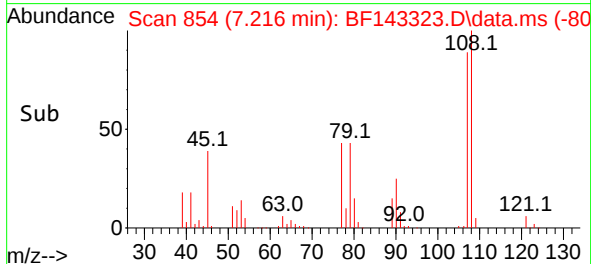


#17  
2-Methylphenol  
Concen: 42.077 ng  
RT: 7.216 min Scan# 854  
Delta R.T. 0.012 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

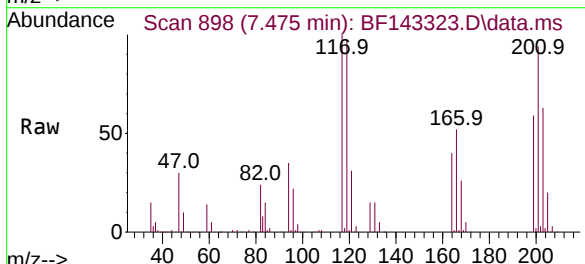
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS



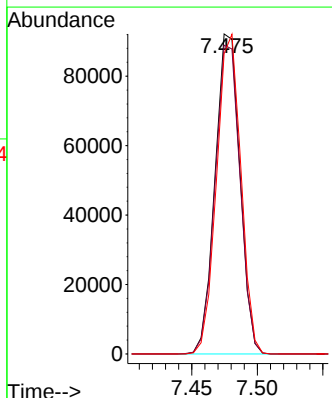
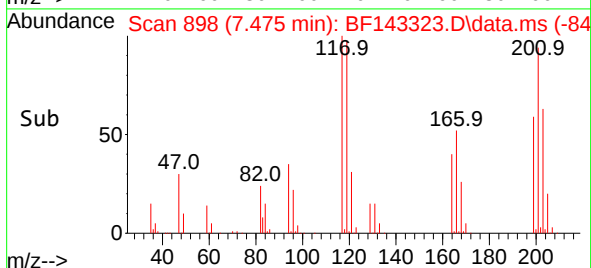
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 266136 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.0 | 91.8  | 137.6  |
| 77       | 48.7  | 37.0  | 55.6   |
| 79       | 48.1  | 36.9  | 55.3   |

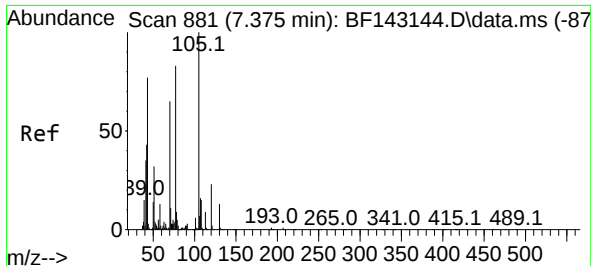


#18  
Hexachloroethane  
Concen: 42.554 ng  
RT: 7.475 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 121233 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.5  | 77.8  | 116.8  |
| 201      | 93.9  | 77.0  | 115.4  |

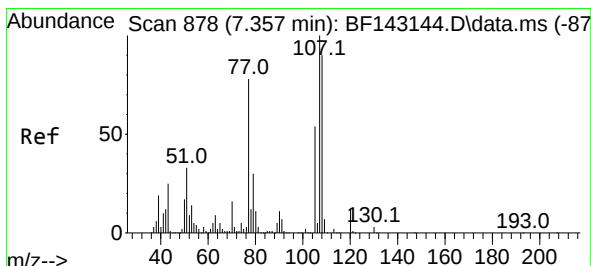
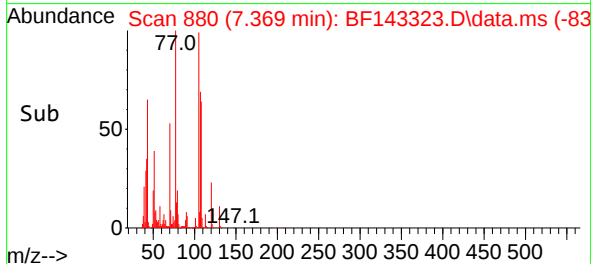
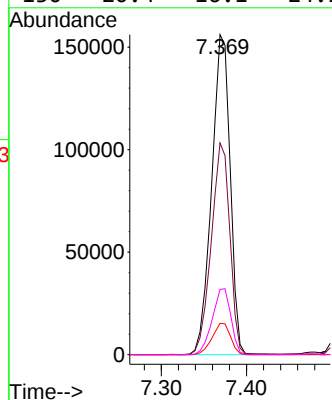
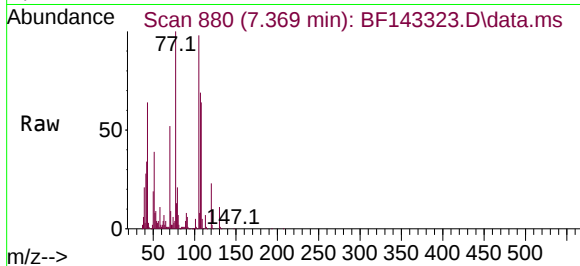




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.577 ng  
RT: 7.369 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

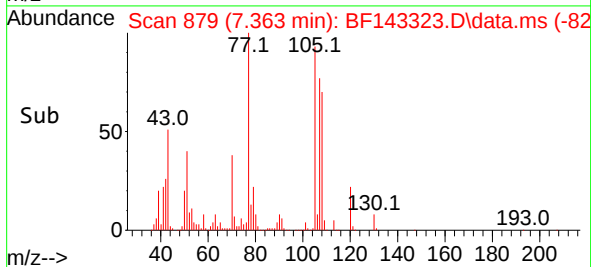
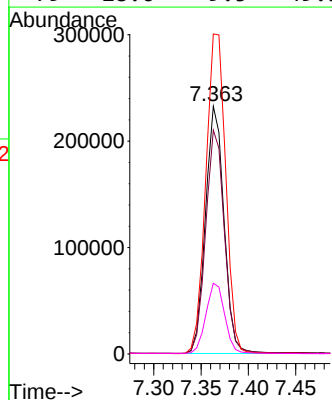
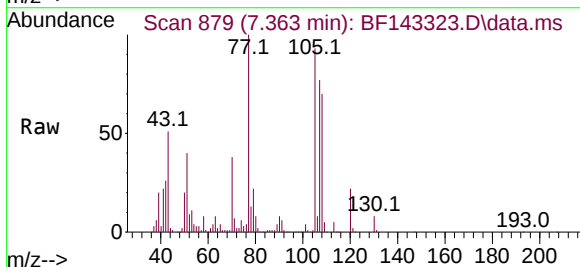
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

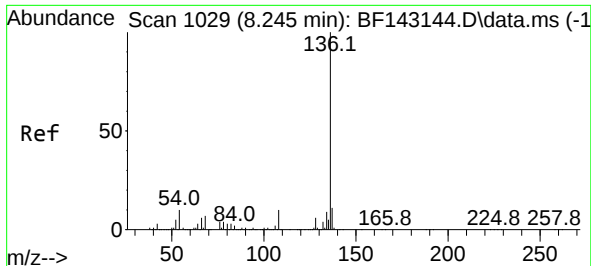
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 235154 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 66.2  | 52.5  | 78.7   |
| 101      | 9.8   | 7.6   | 11.4   |
| 130      | 20.4  | 16.1  | 24.1   |



#20  
3+4-Methylphenols  
Concen: 41.085 ng  
RT: 7.363 min Scan# 879  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 315288 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.3  | 70.0  | 110.0  |
| 77       | 129.2 | 57.8  | 97.8#  |
| 79       | 28.6  | 9.5   | 49.5   |

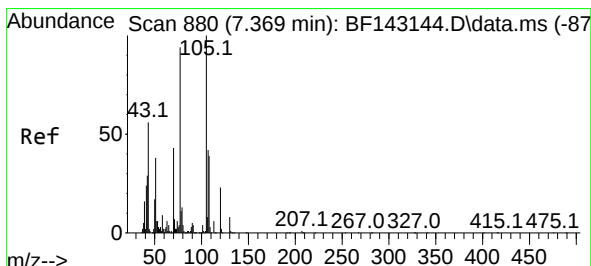
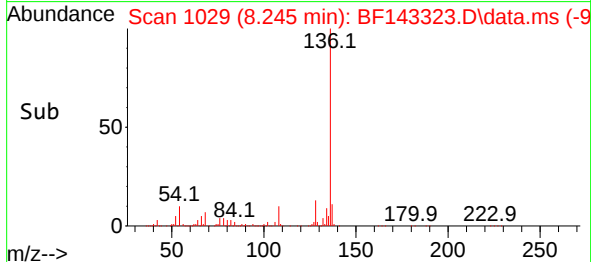
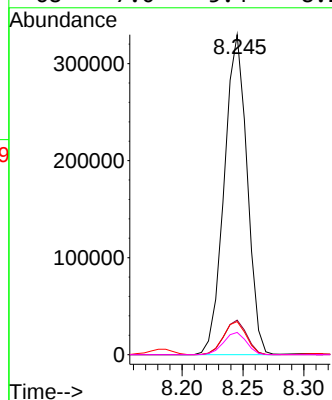
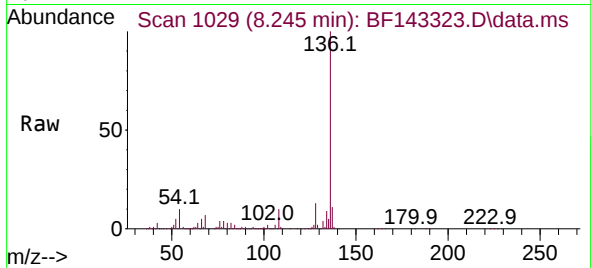




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

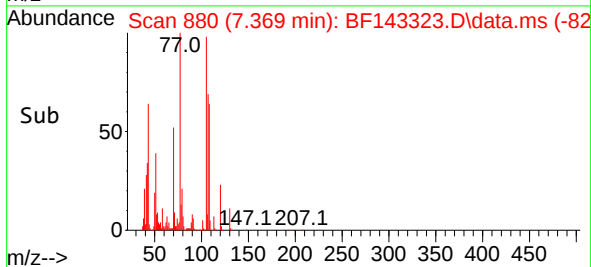
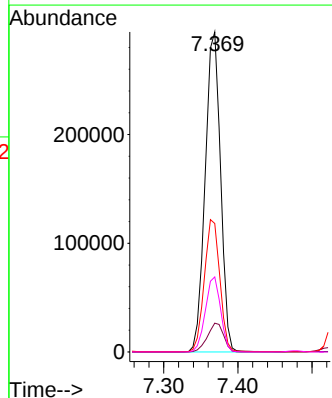
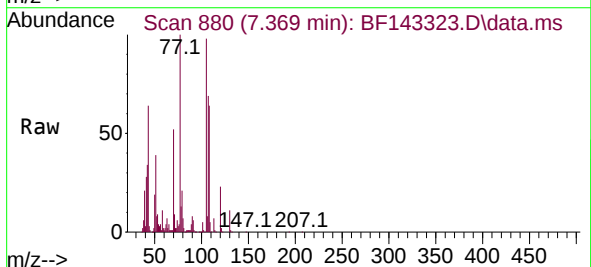
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

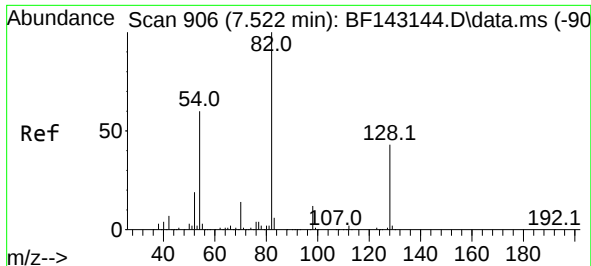
|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:136 | Resp: | 430982 |       |
| Ion         | Ratio | Lower  | Upper |
| 136         | 100   |        |       |
| 137         | 10.8  | 8.6    | 13.0  |
| 54          | 10.4  | 8.2    | 12.2  |
| 68          | 7.0   | 5.4    | 8.2   |



#22  
Acetophenone  
Concen: 41.598 ng  
RT: 7.369 min Scan# 880  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 424451 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 9.0     | 5.8   | 8.6#   |
| 51  | 40.2    | 30.2  | 45.2   |
| 120 | 23.5    | 18.2  | 27.4   |





#23

Nitrobenzene-d5

Concen: 82.322 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

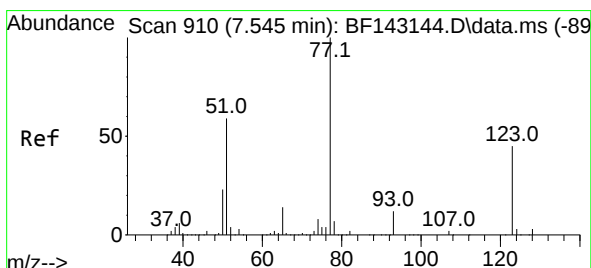
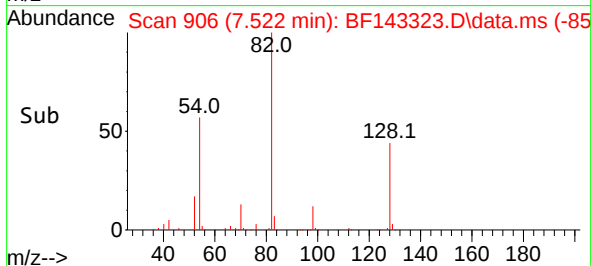
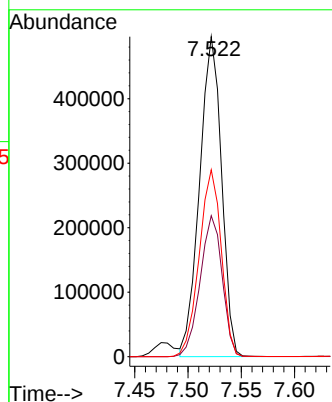
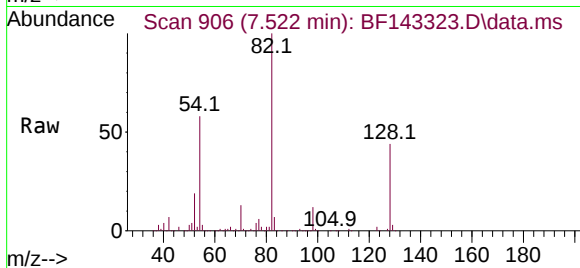
Tgt Ion: 82 Resp: 711762

Ion Ratio Lower Upper

82 100

128 44.1 33.6 50.4

54 58.4 47.1 70.7



#24

Nitrobenzene

Concen: 43.656 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

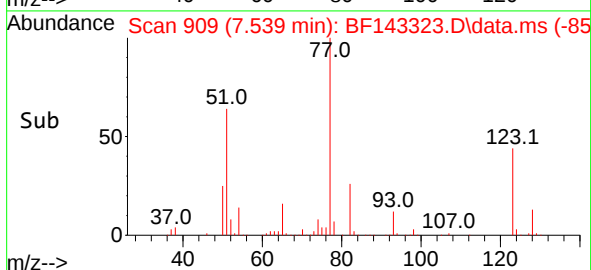
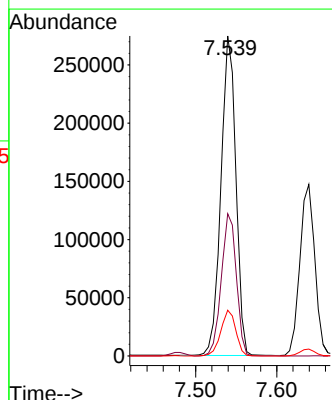
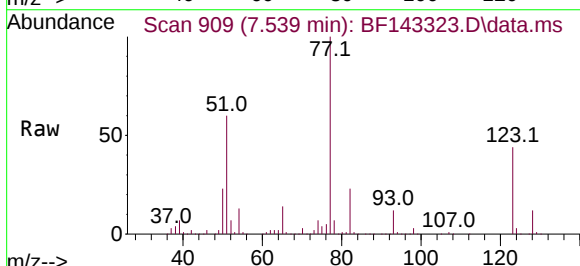
Tgt Ion: 77 Resp: 351904

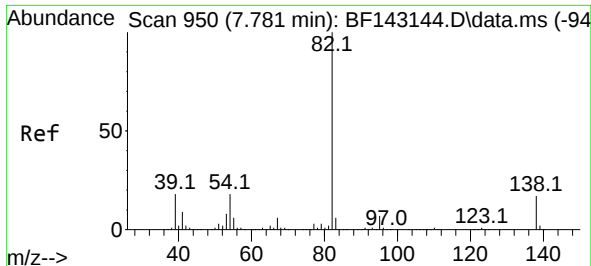
Ion Ratio Lower Upper

77 100

123 44.5 36.1 54.1

65 14.3 11.4 17.2

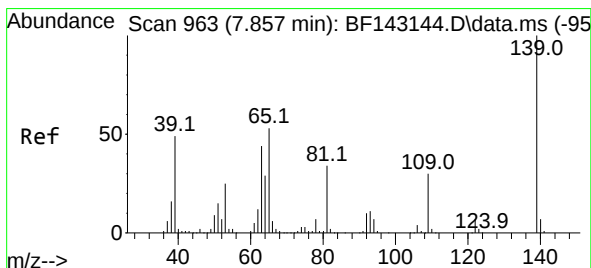
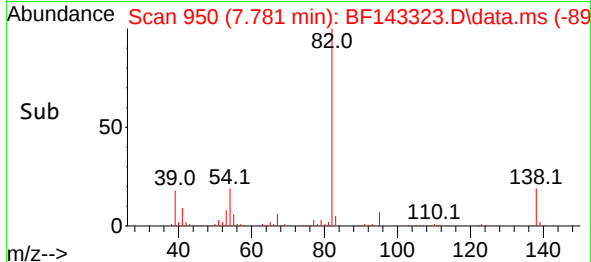
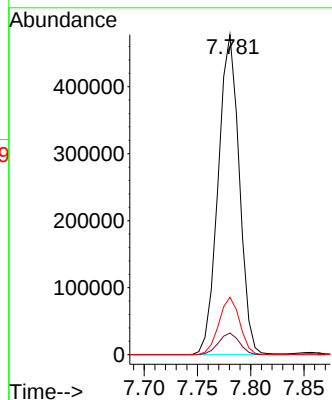
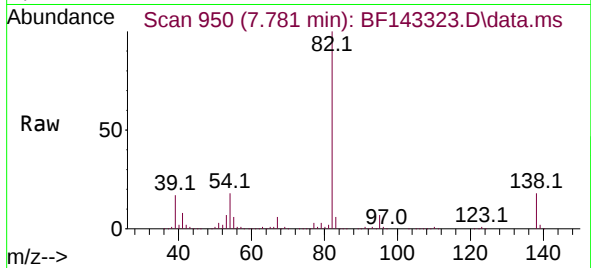




#25  
Isophorone  
Concen: 43.044 ng  
RT: 7.781 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

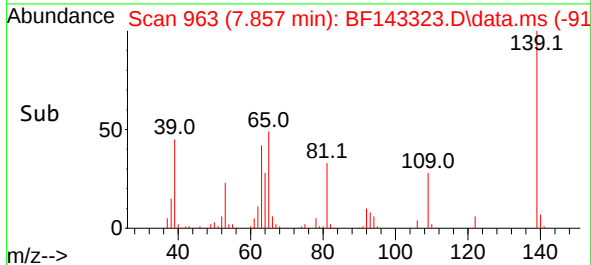
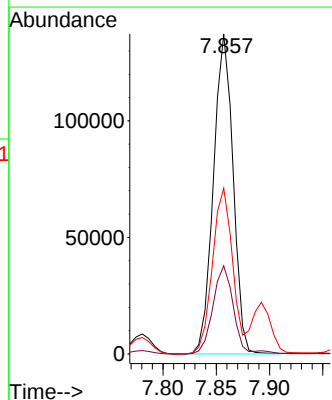
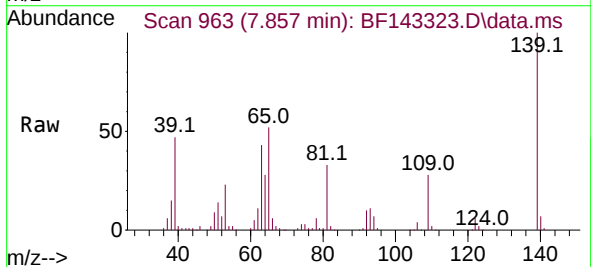
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

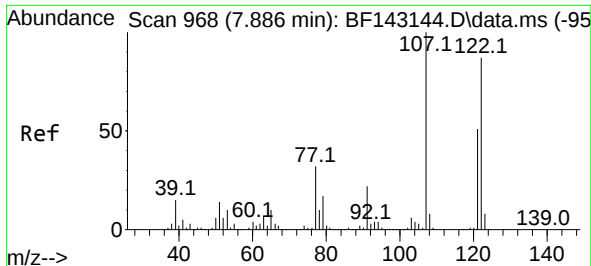
Tgt Ion: 82 Resp: 656988  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.5 8.3  
138 18.0 13.8 20.8



#26  
2-Nitrophenol  
Concen: 50.221 ng  
RT: 7.857 min Scan# 963  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:139 Resp: 175693  
Ion Ratio Lower Upper  
139 100  
109 27.5 23.6 35.4  
65 51.8 42.6 64.0

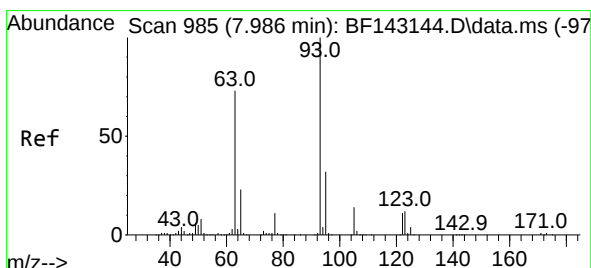
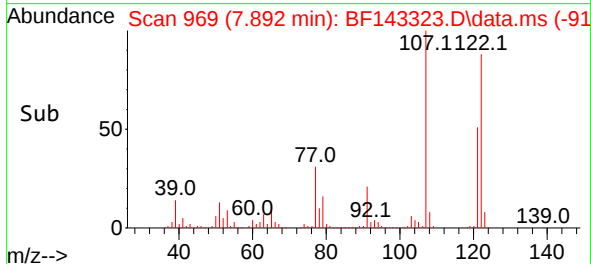
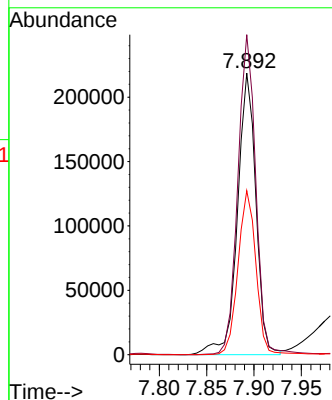
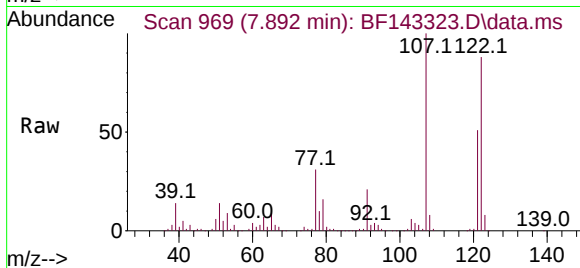




#27  
2,4-Dimethylphenol  
Concen: 41.457 ng  
RT: 7.892 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

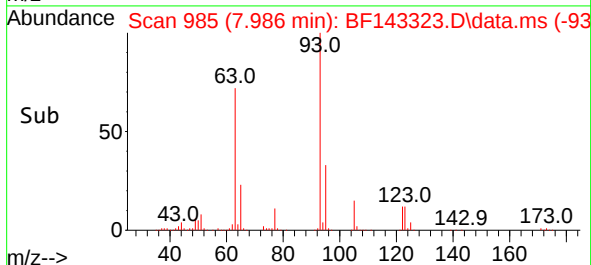
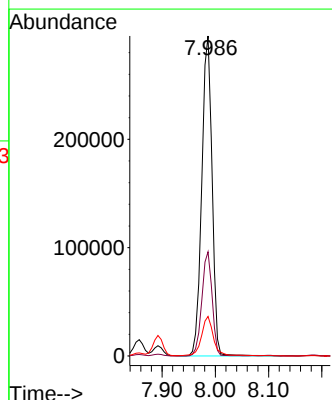
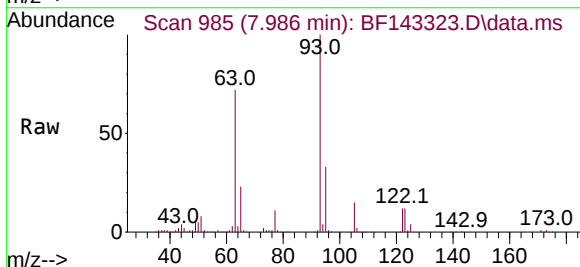
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

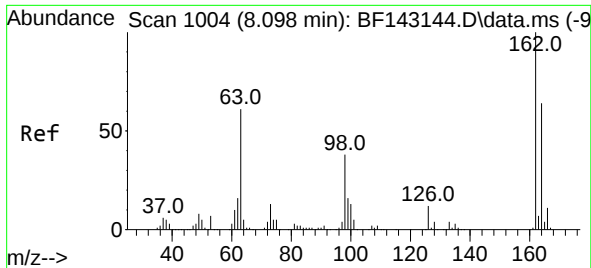
Tgt Ion:122 Resp: 295630  
Ion Ratio Lower Upper  
122 100  
107 113.6 91.8 137.6  
121 58.2 46.3 69.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.457 ng  
RT: 7.986 min Scan# 985  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion: 93 Resp: 397686  
Ion Ratio Lower Upper  
93 100  
95 32.6 25.8 38.6  
123 12.3 9.7 14.5

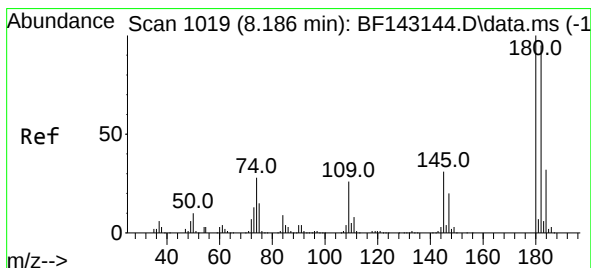
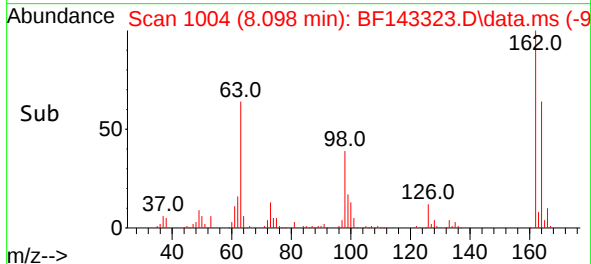
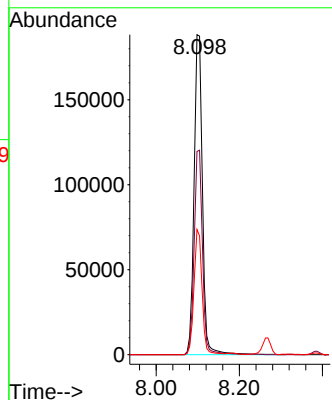
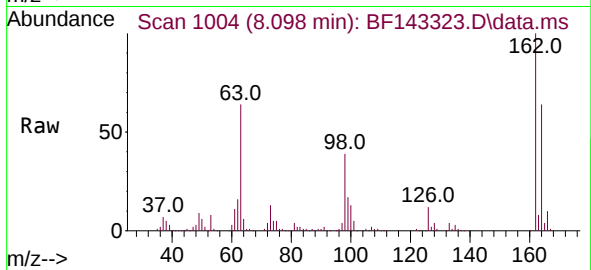




#29  
2,4-Dichlorophenol  
Concen: 43.594 ng  
RT: 8.098 min Scan# 1004  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

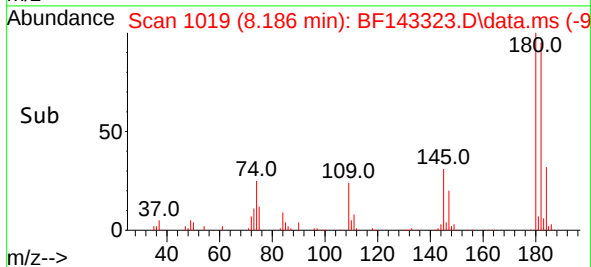
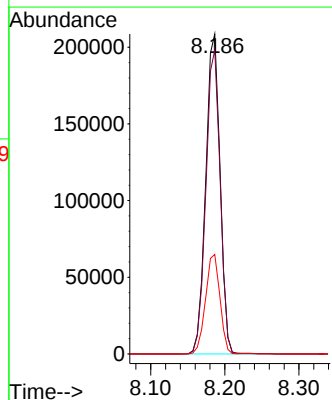
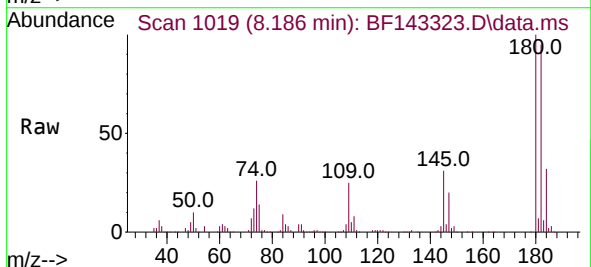
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

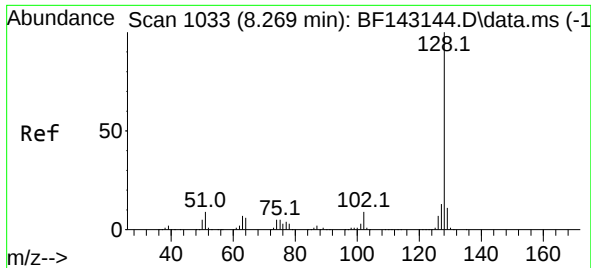
Tgt Ion:162 Resp: 262165  
Ion Ratio Lower Upper  
162 100  
164 63.5 44.2 84.2  
98 39.1 17.9 57.9



#30  
1,2,4-Trichlorobenzene  
Concen: 43.190 ng  
RT: 8.186 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:180 Resp: 280608  
Ion Ratio Lower Upper  
180 100  
182 95.0 76.2 114.2  
145 31.1 25.0 37.6

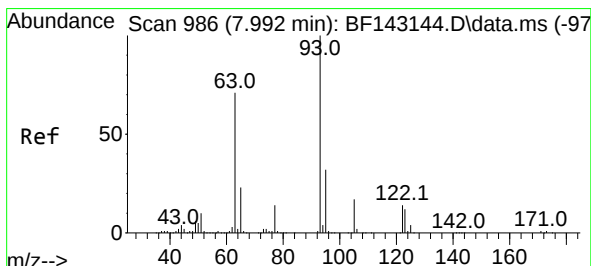
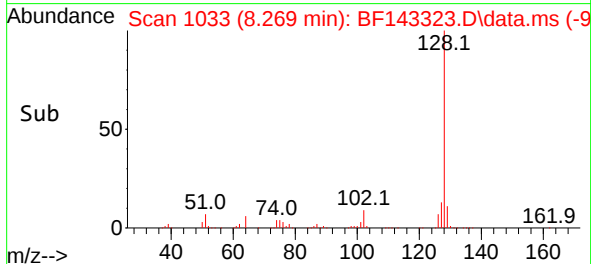
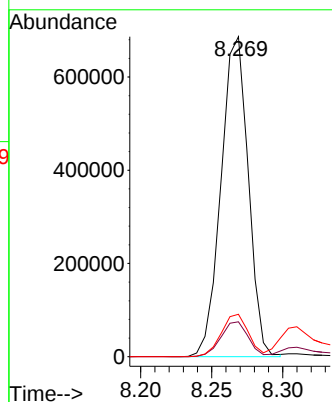
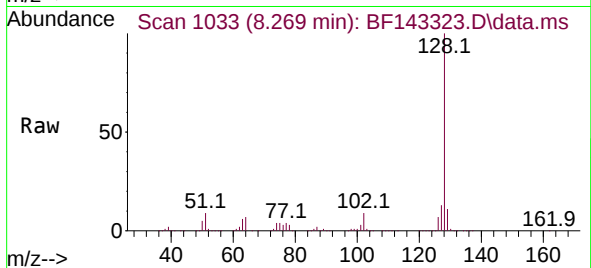




#31  
Naphthalene  
Concen: 43.129 ng  
RT: 8.269 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

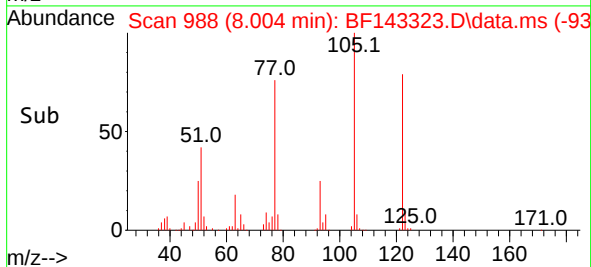
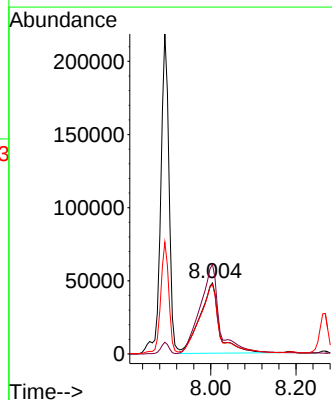
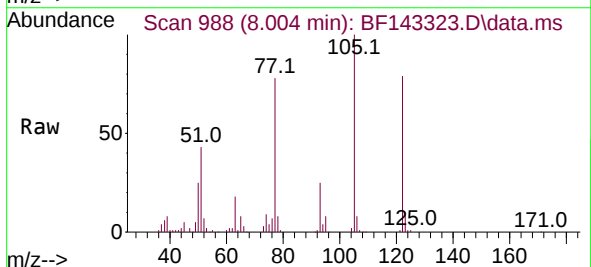
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

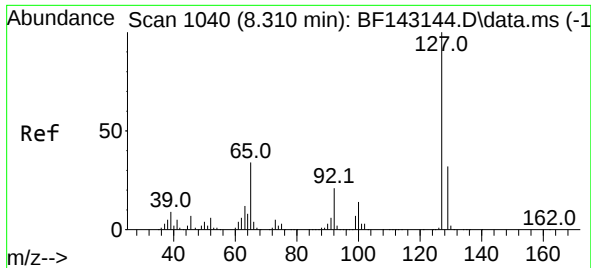
Tgt Ion:128 Resp: 915423  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.0 13.4  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 39.461 ng  
RT: 8.004 min Scan# 988  
Delta R.T. 0.012 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:122 Resp: 154366  
Ion Ratio Lower Upper  
122 100  
105 126.2 104.8 144.8  
77 98.0 77.6 117.6

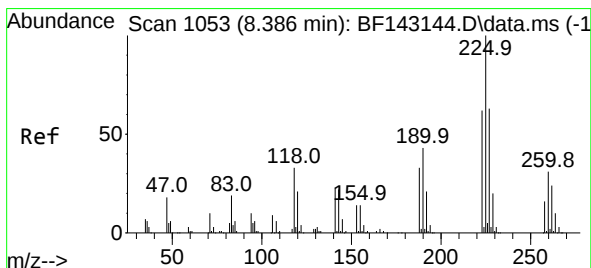
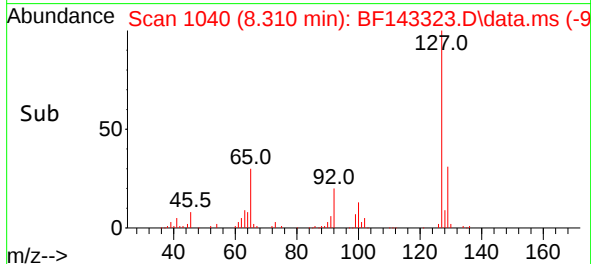
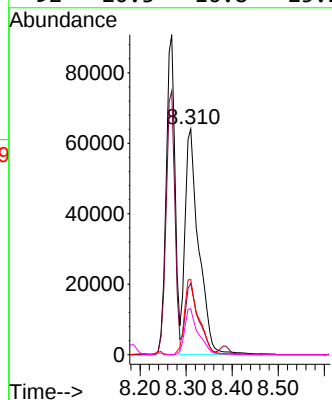
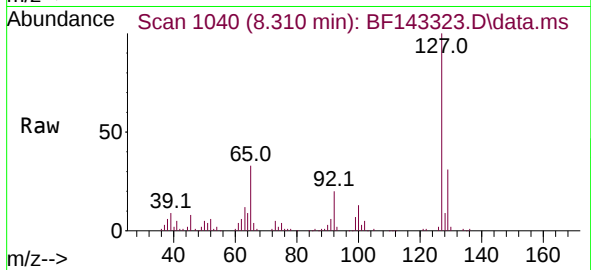




#33  
4-Chloroaniline  
Concen: 15.324 ng  
RT: 8.310 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

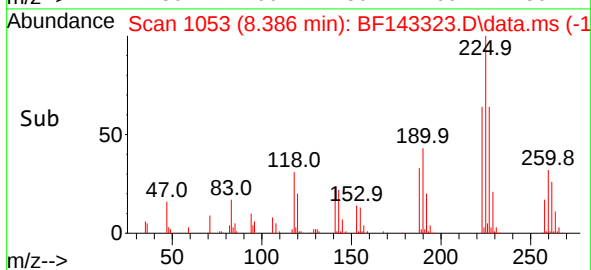
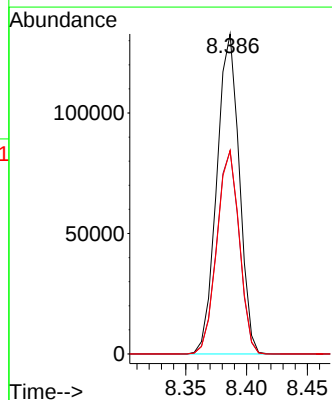
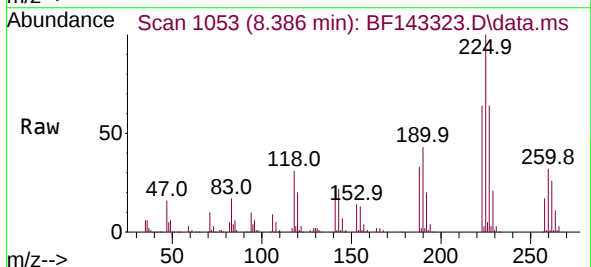
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

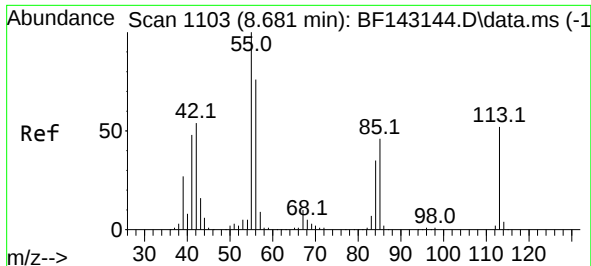
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 132807 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.5  | 26.0  | 39.0   |
| 65       | 33.3  | 27.4  | 41.2   |
| 92       | 20.3  | 16.8  | 25.2   |



#34  
Hexachlorobutadiene  
Concen: 42.976 ng  
RT: 8.386 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 170566 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.5  | 49.8  | 74.6   |
| 227      | 63.6  | 50.2  | 75.4   |

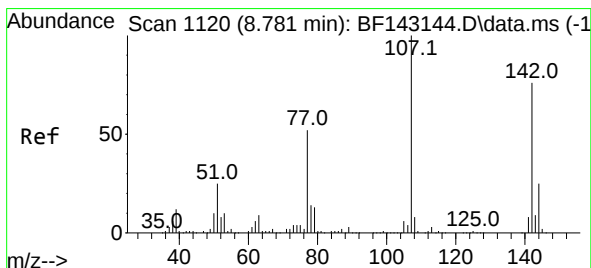
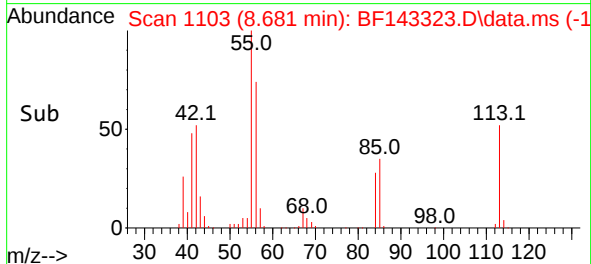
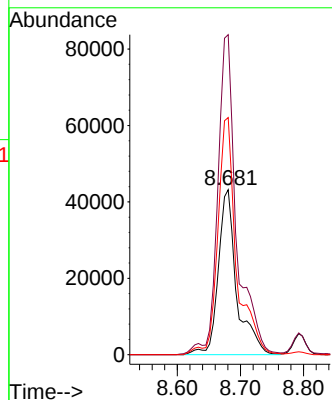
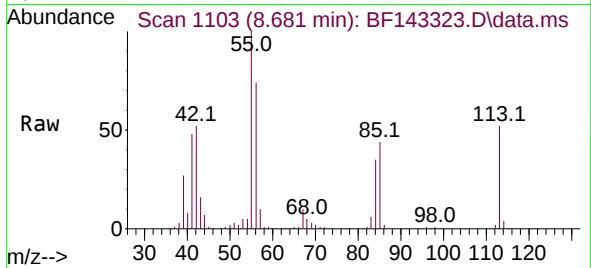




#35  
 Caprolactam  
 Concen: 48.137 ng  
 RT: 8.681 min Scan# 1103  
 Delta R.T. -0.000 min  
 Lab File: BF143323.D  
 Acq: 06 Aug 2025 11:36

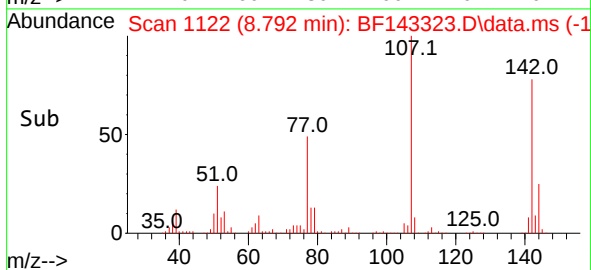
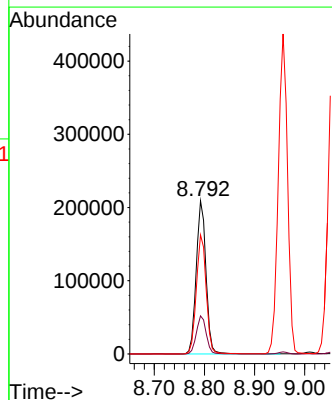
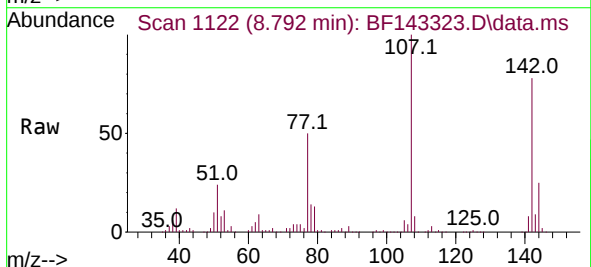
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169106BS

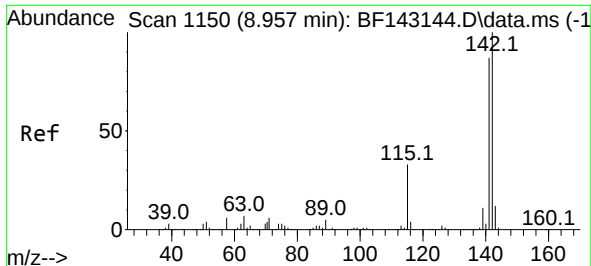
Tgt Ion:113 Resp: 87478  
 Ion Ratio Lower Upper  
 113 100  
 55 194.0 174.0 214.0  
 56 143.7 126.6 166.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.403 ng  
 RT: 8.792 min Scan# 1122  
 Delta R.T. 0.012 min  
 Lab File: BF143323.D  
 Acq: 06 Aug 2025 11:36

Tgt Ion:107 Resp: 283707  
 Ion Ratio Lower Upper  
 107 100  
 144 24.9 19.8 29.6  
 142 77.7 60.6 90.8





#37

2-Methylnaphthalene

Concen: 43.362 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

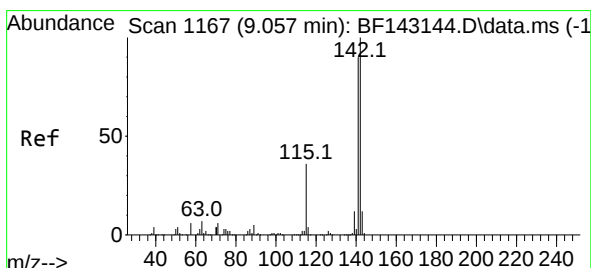
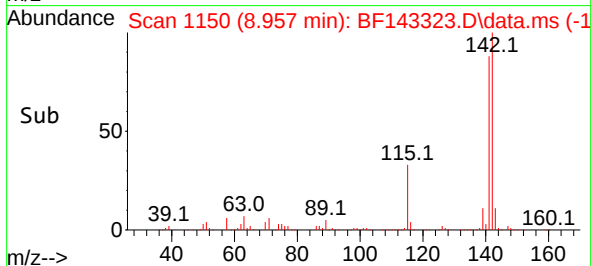
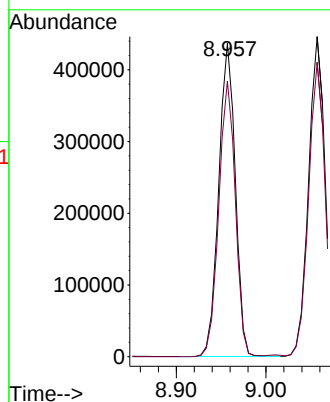
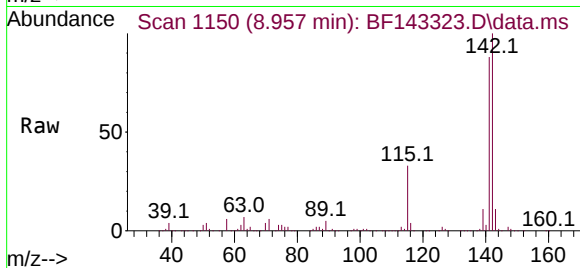
PB169106BS

Tgt Ion:142 Resp: 560060

Ion Ratio Lower Upper

142 100

141 88.0 69.9 104.9



#38

1-Methylnaphthalene

Concen: 42.822 ng

RT: 9.057 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF143323.D

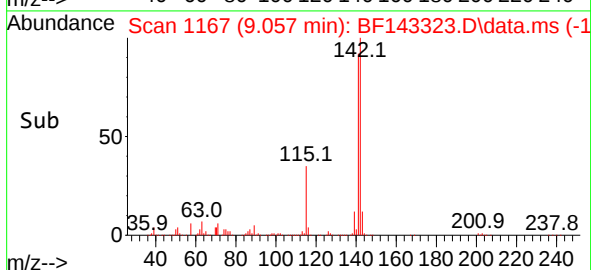
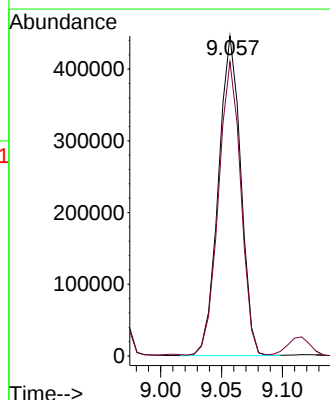
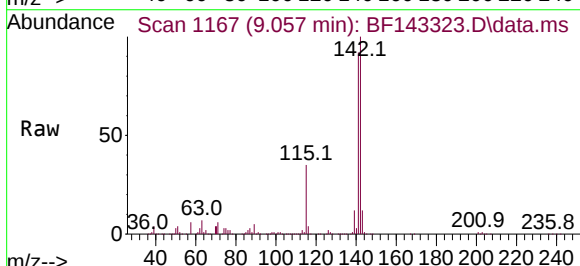
Acq: 06 Aug 2025 11:36

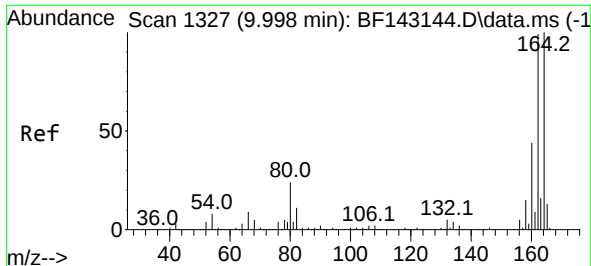
Tgt Ion:142 Resp: 569541

Ion Ratio Lower Upper

142 100

141 92.0 72.3 108.5

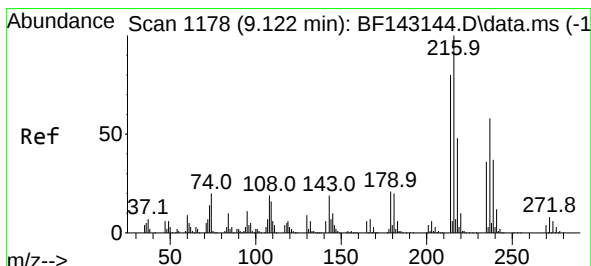
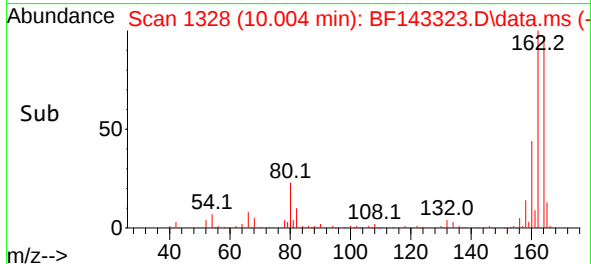
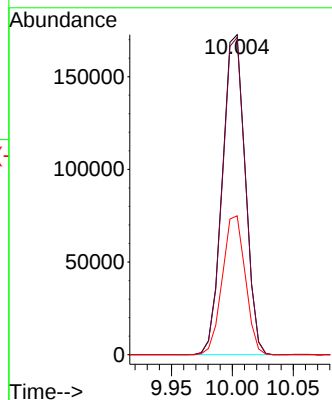
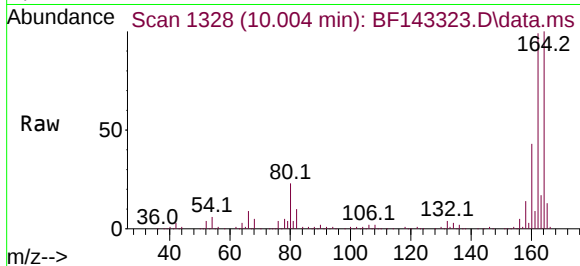




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.004 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

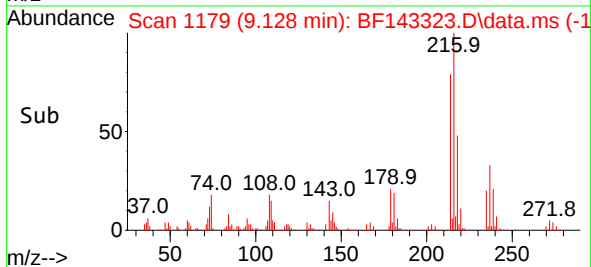
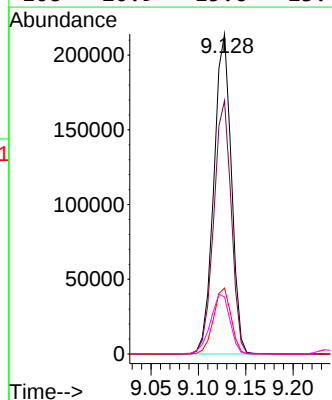
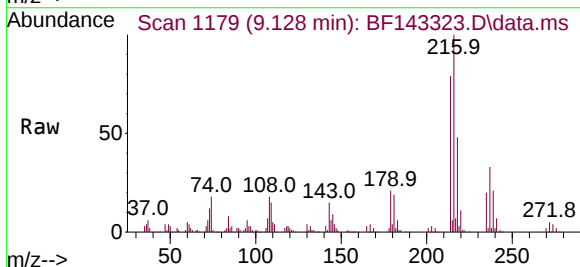
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

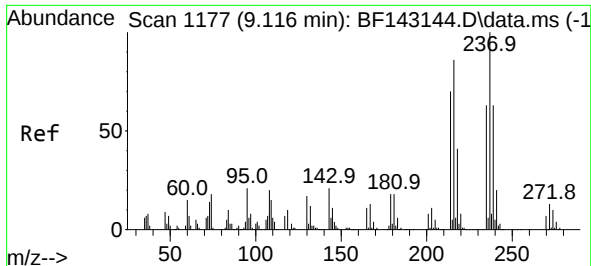
Tgt Ion:164 Resp: 226008  
Ion Ratio Lower Upper  
164 100  
162 99.1 79.0 118.6  
160 43.4 35.1 52.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.163 ng  
RT: 9.128 min Scan# 1179  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

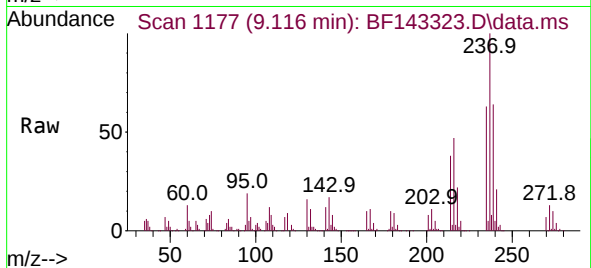
Tgt Ion:216 Resp: 275115  
Ion Ratio Lower Upper  
216 100  
214 79.3 63.8 95.8  
179 20.6 16.4 24.6  
108 20.9 15.6 23.4



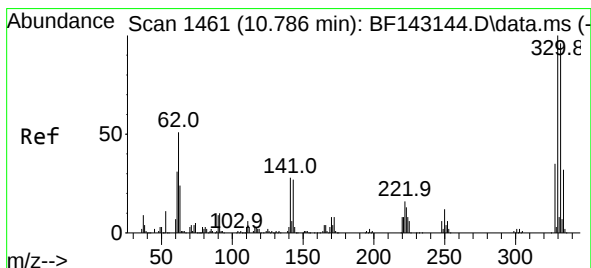
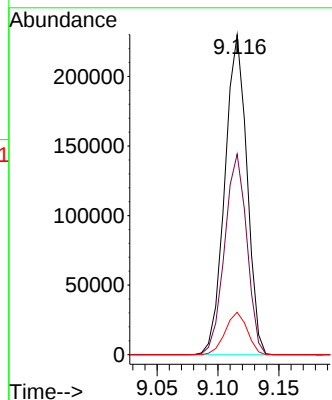
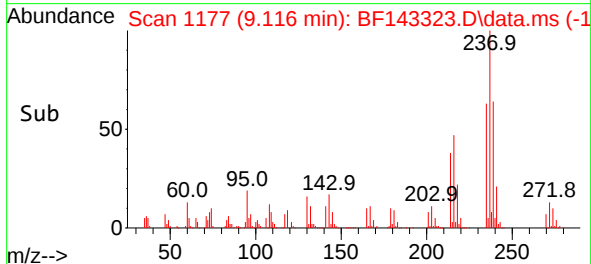


#41  
Hexachlorocyclopentadiene  
Concen: 68.463 ng  
RT: 9.116 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

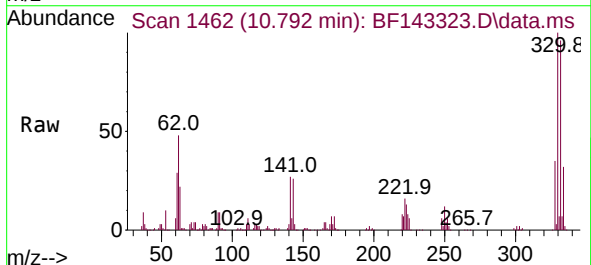
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS



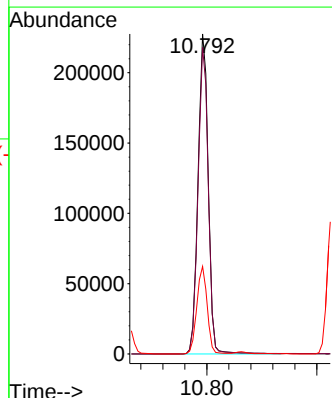
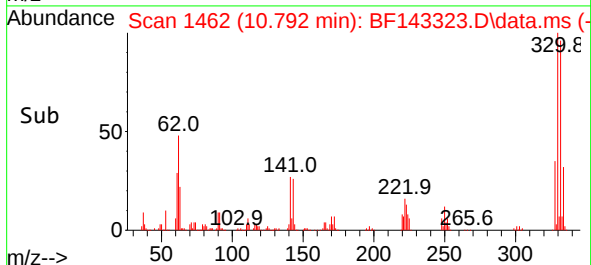
Tgt Ion:237 Resp: 290674  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.0 83.0  
272 13.3 0.0 33.3

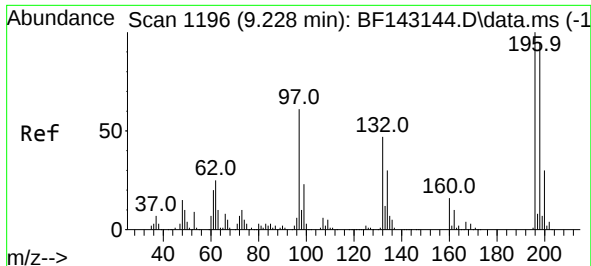


#42  
2,4,6-Tribromophenol  
Concen: 126.359 ng  
RT: 10.792 min Scan# 1462  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36



Tgt Ion:330 Resp: 295021  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.7 115.1  
141 27.6 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 40.386 ng

RT: 9.233 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

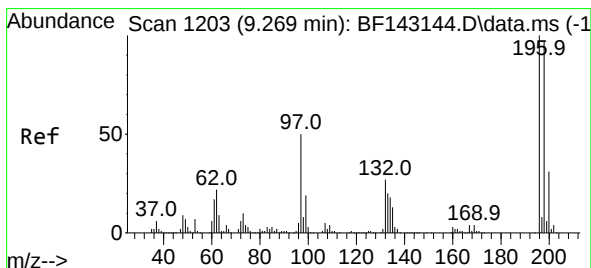
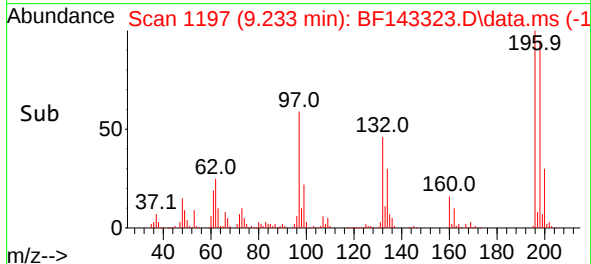
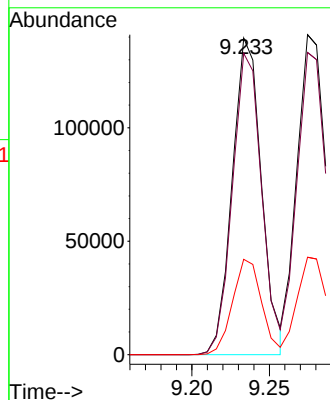
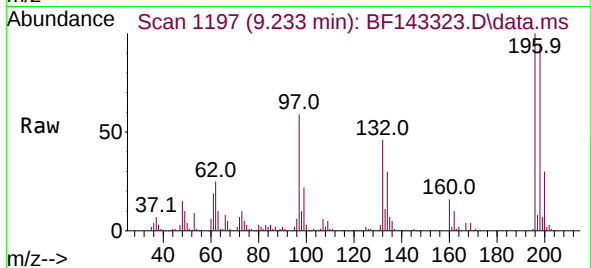
Tgt Ion:196 Resp: 182380

Ion Ratio Lower Upper

196 100

198 95.1 76.2 114.2

200 30.1 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 42.411 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Tgt Ion:196 Resp: 191583

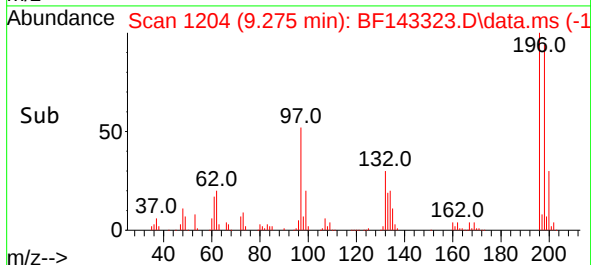
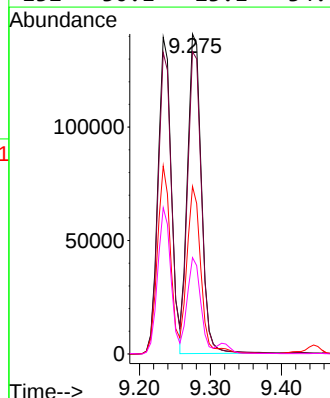
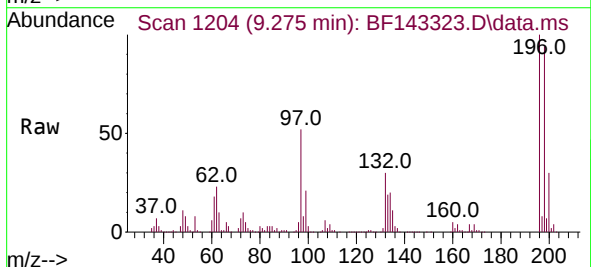
Ion Ratio Lower Upper

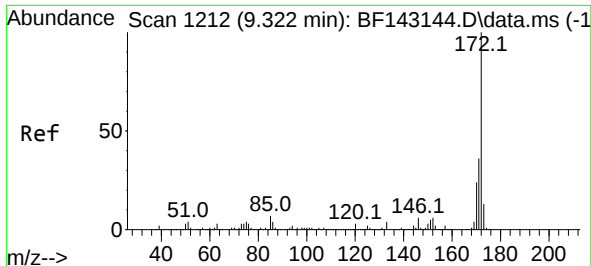
196 100

198 94.5 77.3 115.9

97 52.4 40.3 60.5

132 30.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 77.519 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

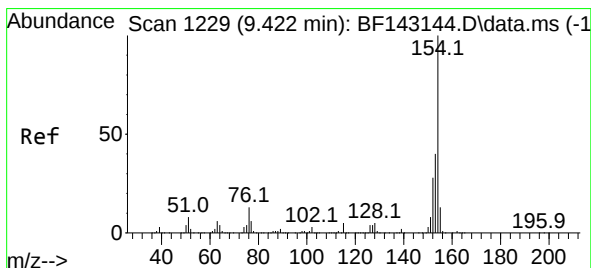
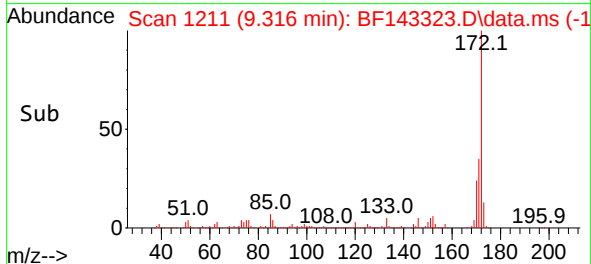
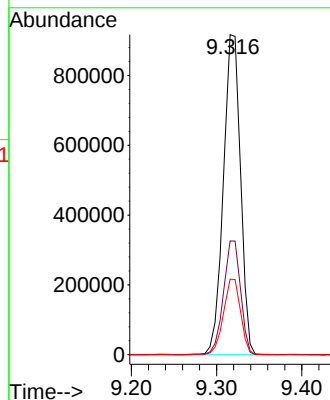
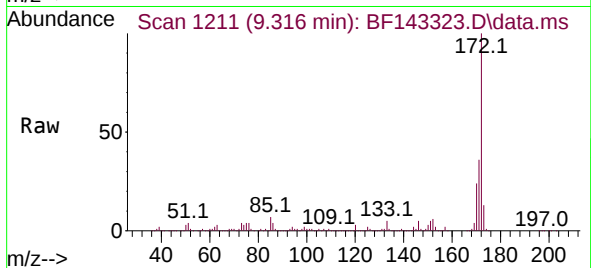
Tgt Ion:172 Resp: 1281044

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 42.305 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

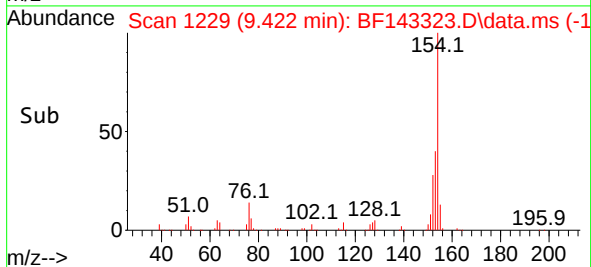
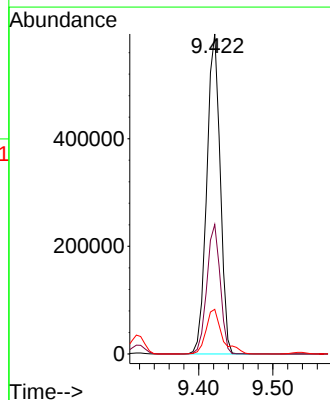
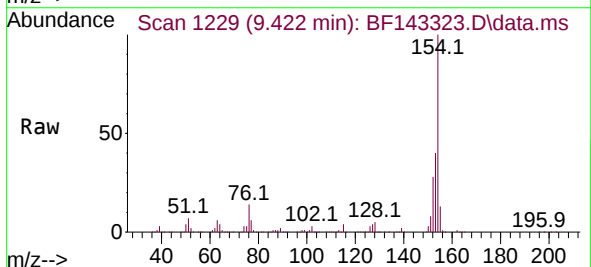
Tgt Ion:154 Resp: 745971

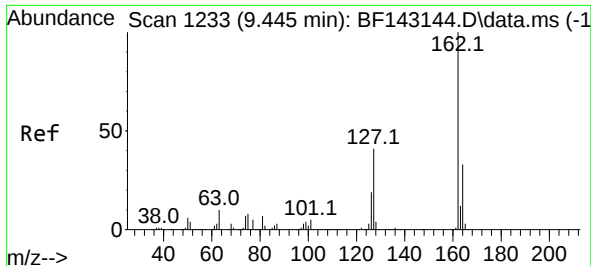
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 14.0 0.0 33.3

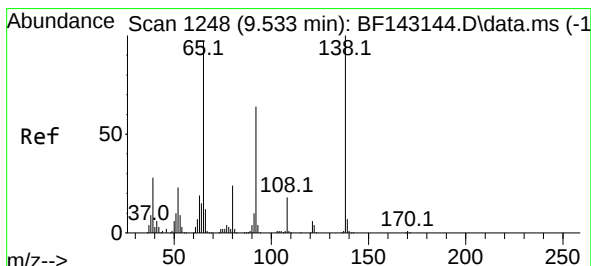
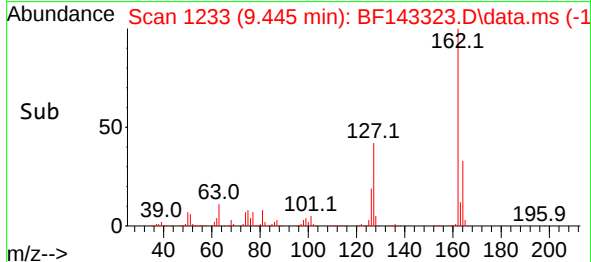
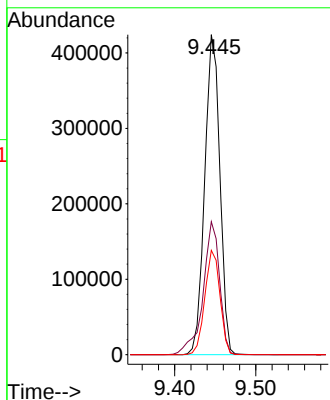
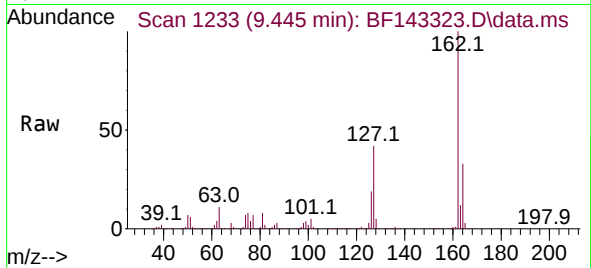




#47  
2-Chloronaphthalene  
Concen: 42.102 ng  
RT: 9.445 min Scan# 1233  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

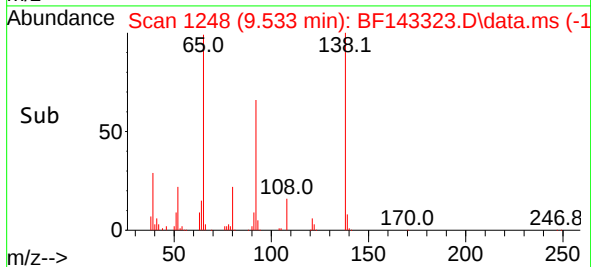
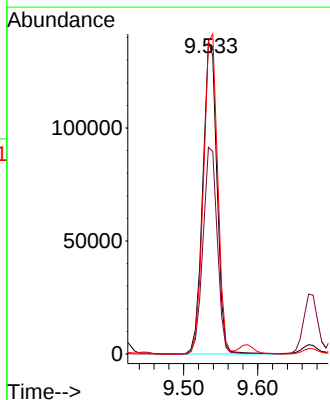
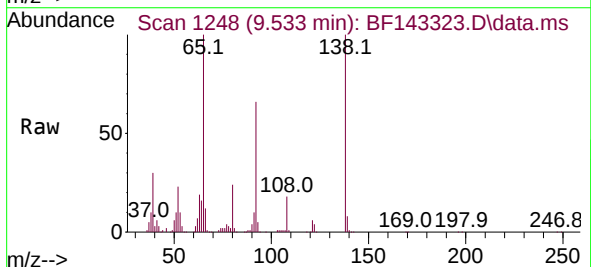
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

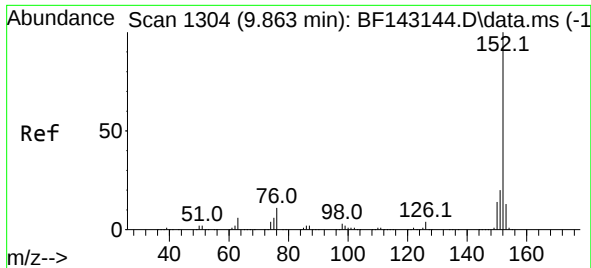
Tgt Ion:162 Resp: 549316  
Ion Ratio Lower Upper  
162 100  
127 41.5 33.4 50.2  
164 32.6 26.2 39.2



#48  
2-Nitroaniline  
Concen: 44.988 ng  
RT: 9.533 min Scan# 1248  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion: 65 Resp: 184070  
Ion Ratio Lower Upper  
65 100  
92 66.1 52.4 78.6  
138 99.9 82.3 123.5

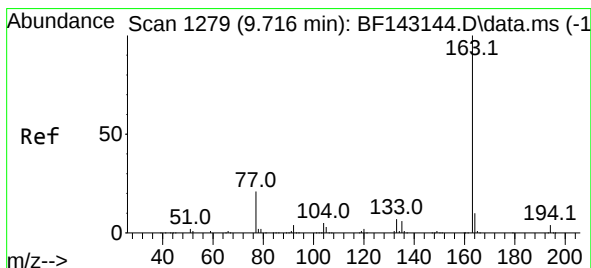
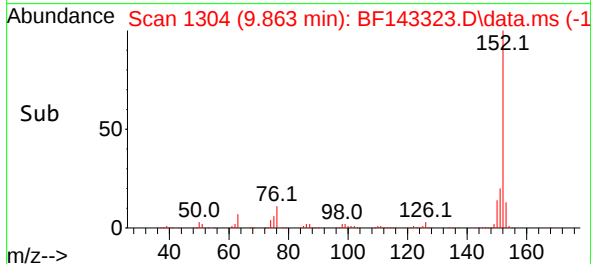
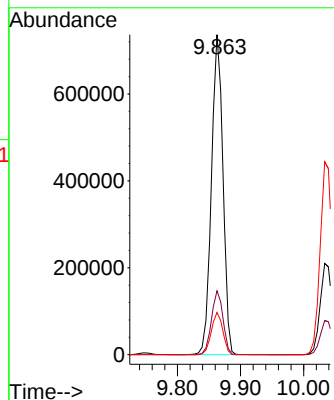
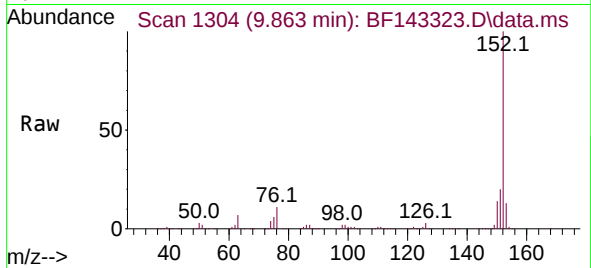




#49  
Acenaphthylene  
Concen: 42.694 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

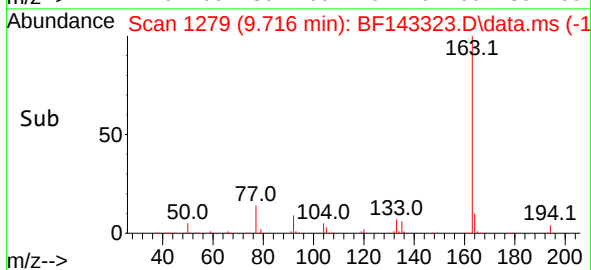
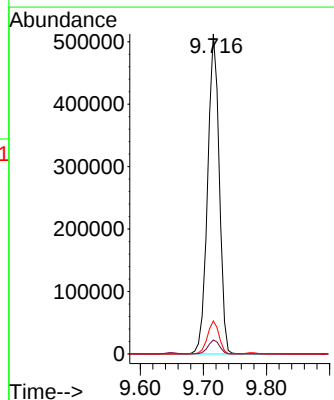
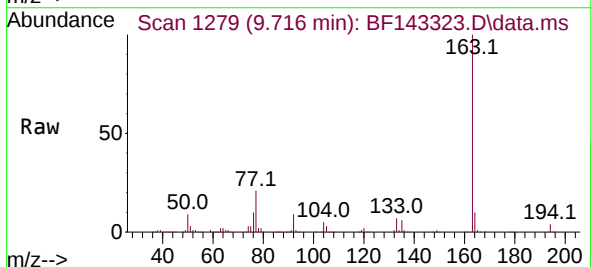
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

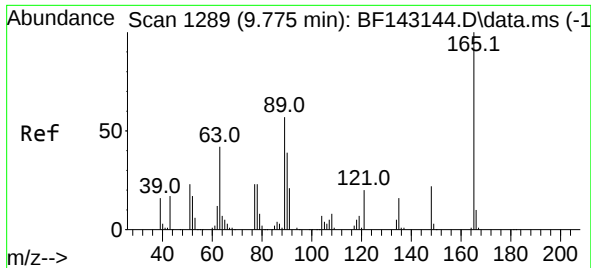
Tgt Ion:152 Resp: 933501  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.2  
153 13.2 10.6 16.0



#50  
Dimethylphthalate  
Concen: 44.523 ng  
RT: 9.716 min Scan# 1279  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:163 Resp: 655906  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.4 5.2  
164 10.3 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 47.628 ng

RT: 9.775 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

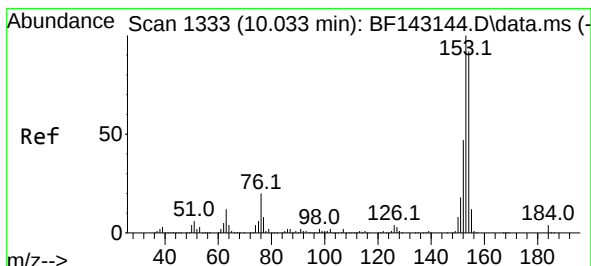
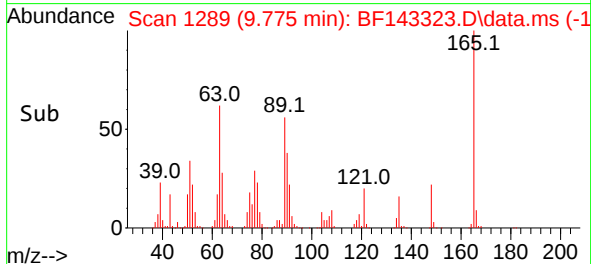
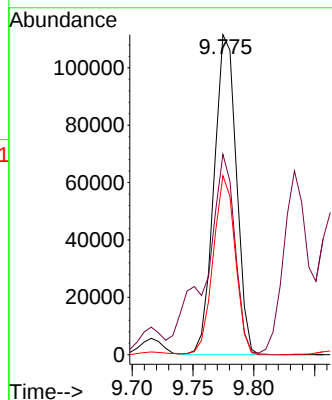
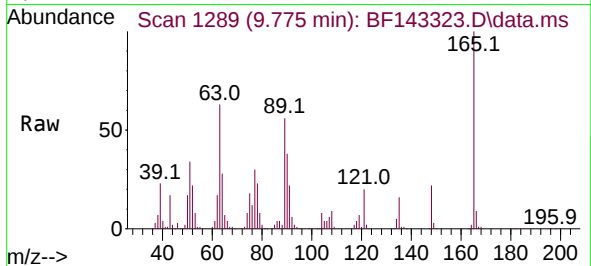
Tgt Ion:165 Resp: 142737

Ion Ratio Lower Upper

165 100

63 62.6 49.4 74.2

89 56.0 46.2 69.2



#52

Acenaphthene

Concen: 45.996 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

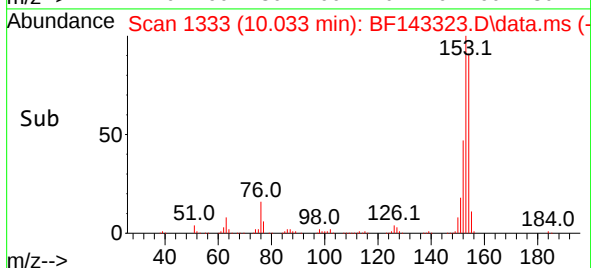
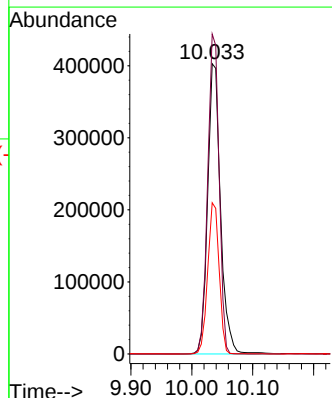
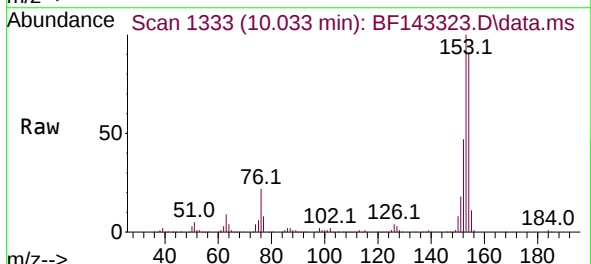
Tgt Ion:154 Resp: 594413

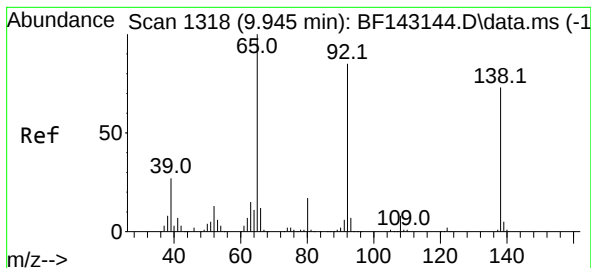
Ion Ratio Lower Upper

154 100

153 110.2 86.6 129.8

152 52.1 40.4 60.6





#53

3-Nitroaniline

Concen: 26.261 ng

RT: 9.945 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

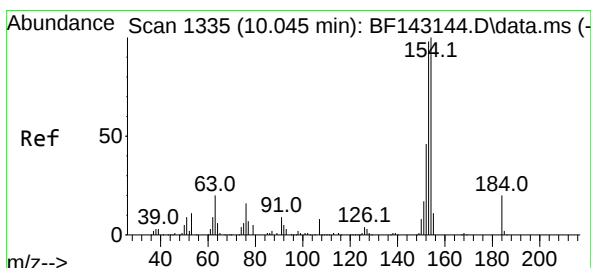
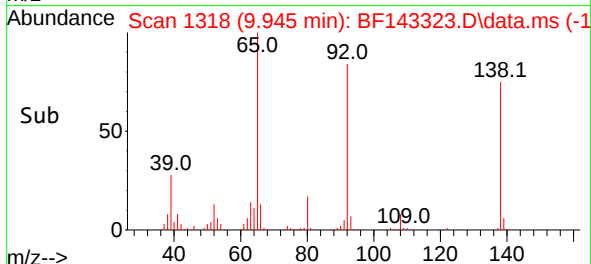
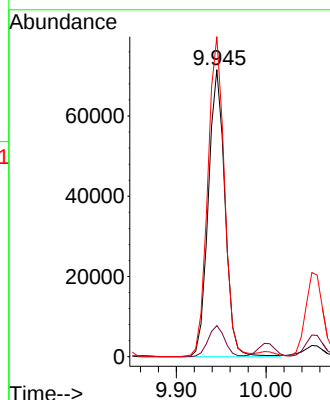
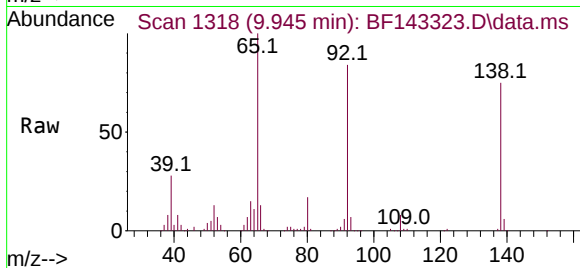
Tgt Ion:138 Resp: 92055

Ion Ratio Lower Upper

138 100

108 10.8 9.0 13.6

92 111.5 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 89.592 ng

RT: 10.057 min Scan# 1337

Delta R.T. 0.012 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

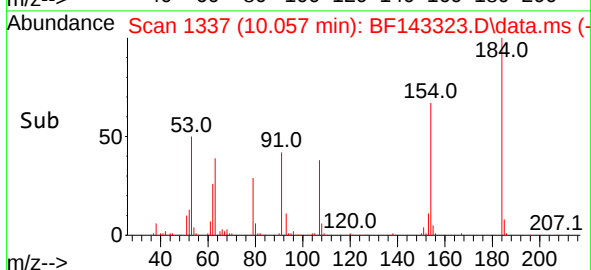
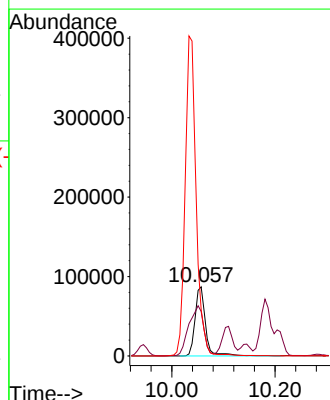
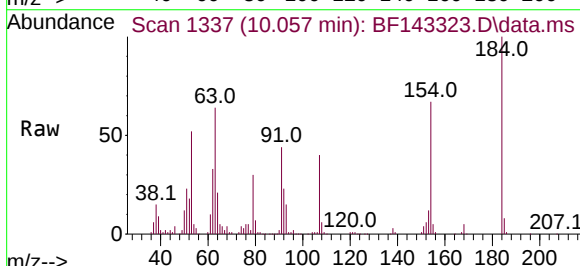
Tgt Ion:184 Resp: 122873

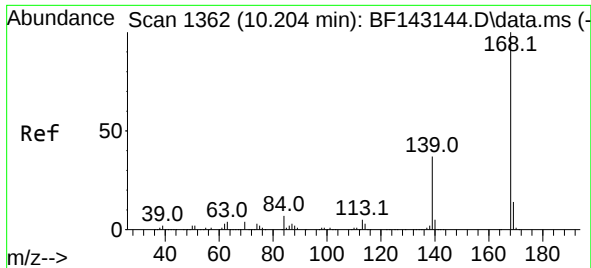
Ion Ratio Lower Upper

184 100

63 64.3 81.8 122.6#

154 67.1 412.2 618.4#

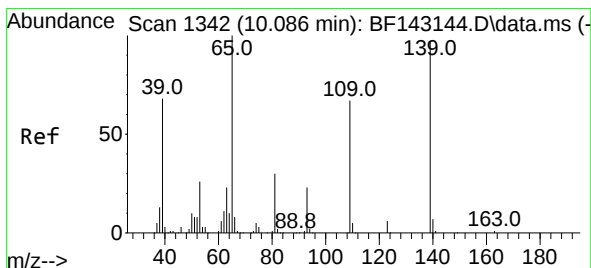
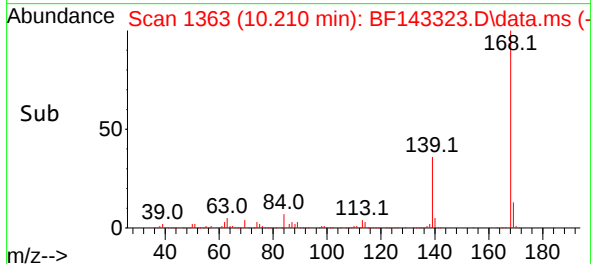
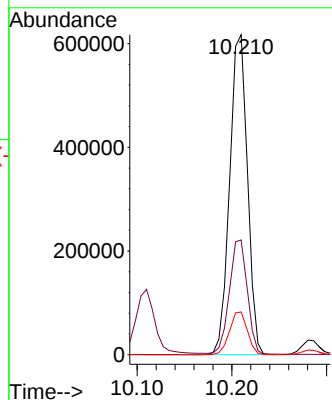
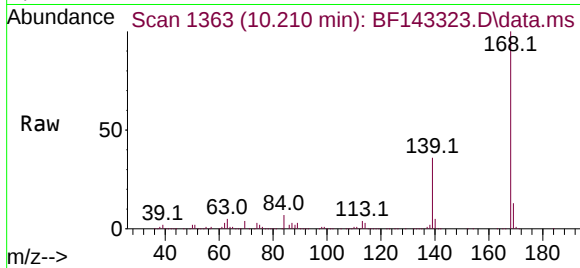




#55  
Dibenzofuran  
Concen: 41.953 ng  
RT: 10.210 min Scan# 1362  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

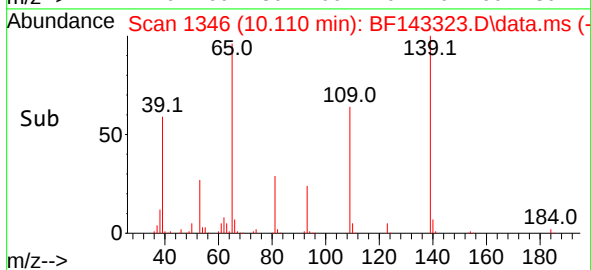
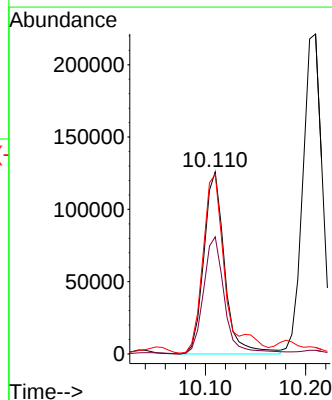
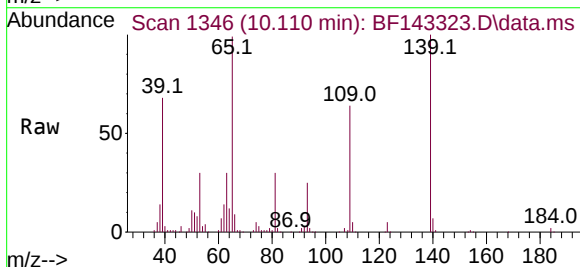
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

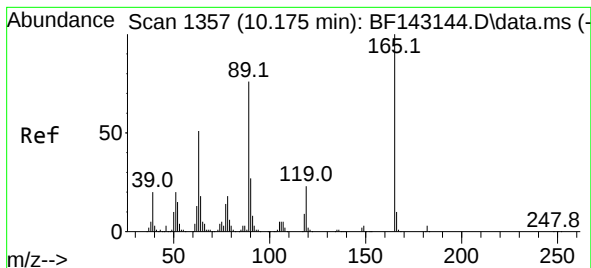
Tgt Ion:168 Resp: 804945  
Ion Ratio Lower Upper  
168 100  
139 35.9 29.5 44.3  
169 13.4 10.9 16.3



#56  
4-Nitrophenol  
Concen: 69.412 ng  
RT: 10.110 min Scan# 1346  
Delta R.T. 0.023 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:139 Resp: 181692  
Ion Ratio Lower Upper  
139 100  
109 64.4 48.5 88.5  
65 98.6 83.4 123.4

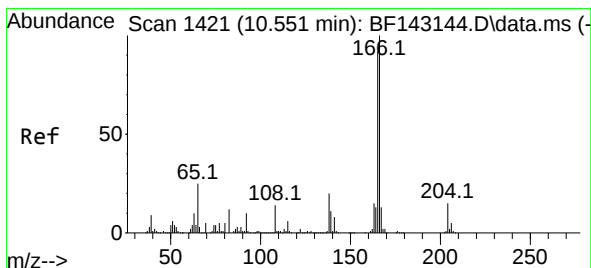
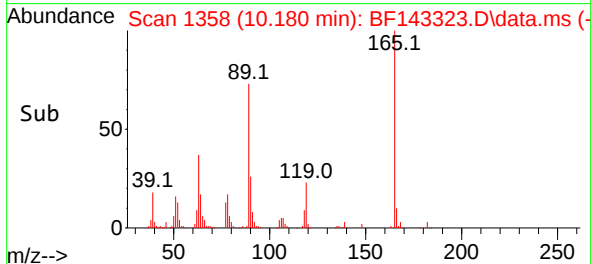
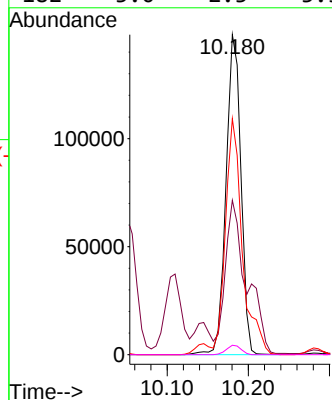
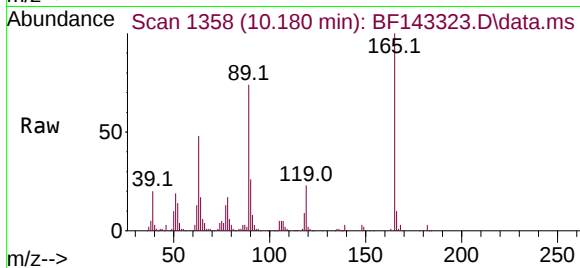




#57  
2,4-Dinitrotoluene  
Concen: 50.411 ng  
RT: 10.180 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

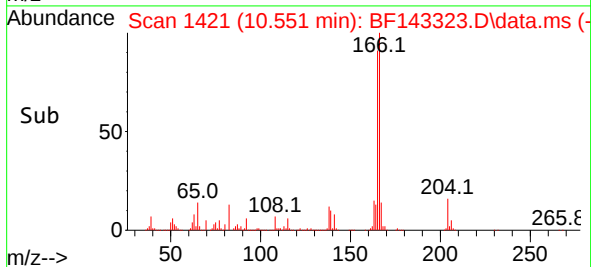
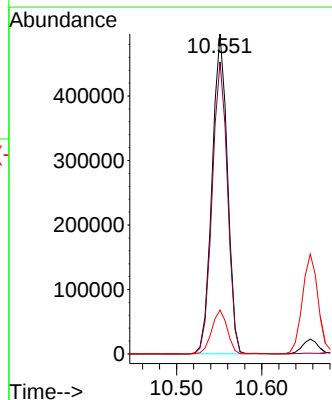
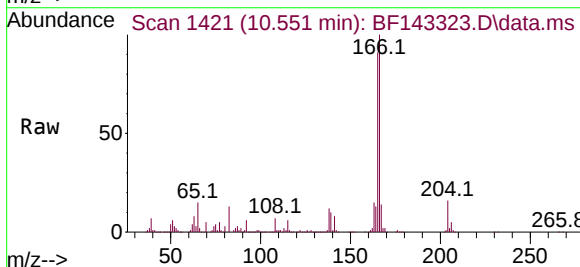
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

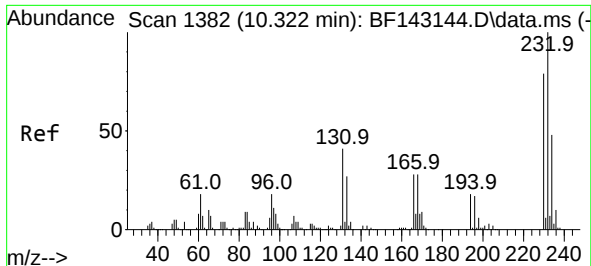
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 189540 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 48.3  | 41.0  | 61.4   |
| 89       | 73.8  | 61.1  | 91.7   |
| 182      | 3.0   | 2.3   | 3.5    |



#58  
Fluorene  
Concen: 43.049 ng  
RT: 10.551 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 619917 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 91.3  | 73.7  | 110.5  |
| 167      | 13.7  | 10.6  | 16.0   |

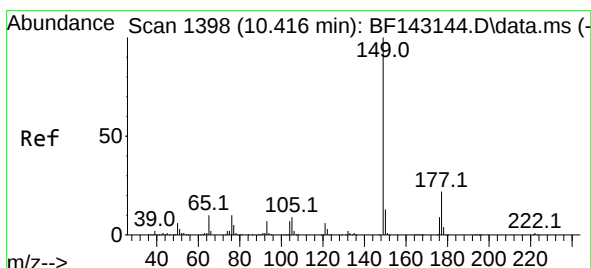
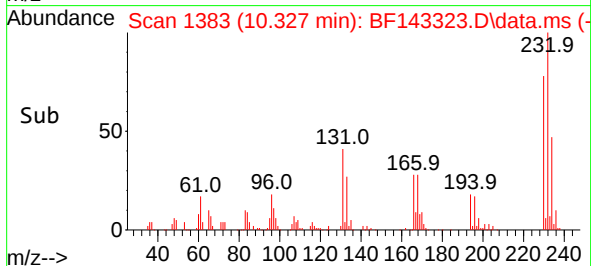
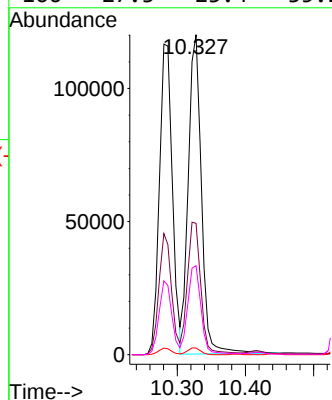
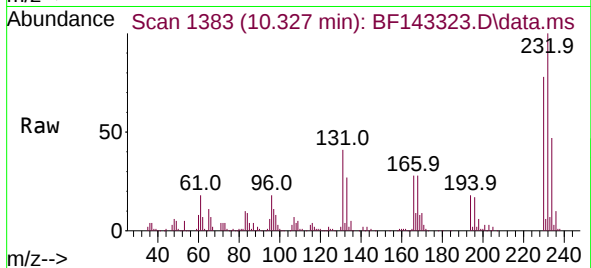




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.738 ng  
RT: 10.327 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

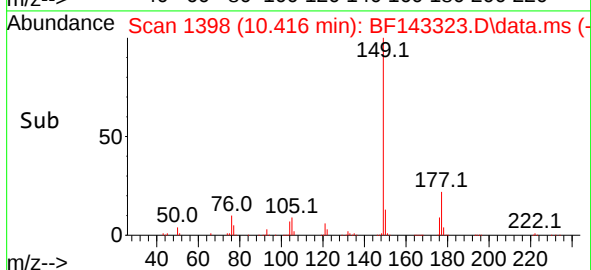
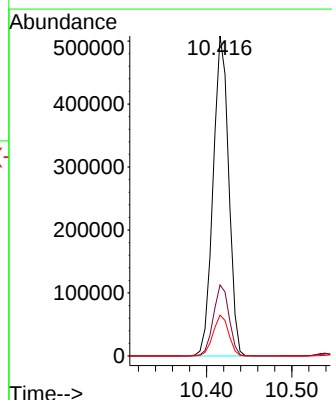
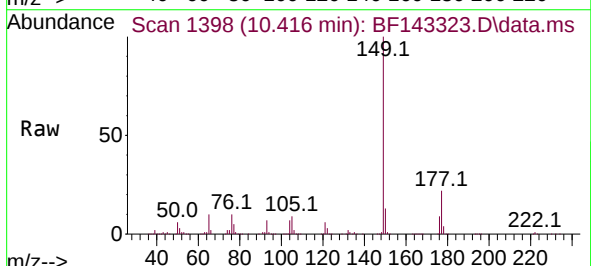
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

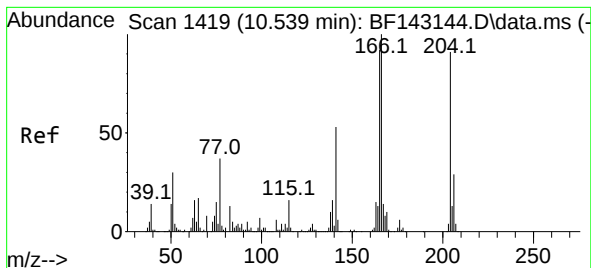
Tgt Ion:232 Resp: 159922  
Ion Ratio Lower Upper  
232 100  
131 42.5 35.3 52.9  
130 2.1 1.7 2.5  
166 27.3 23.4 35.2



#60  
Diethylphthalate  
Concen: 44.452 ng  
RT: 10.416 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:149 Resp: 647262  
Ion Ratio Lower Upper  
149 100  
177 22.2 17.5 26.3  
150 12.7 10.2 15.2

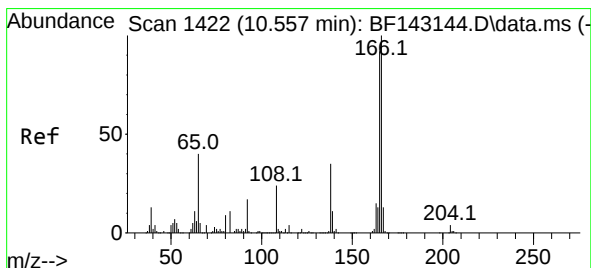
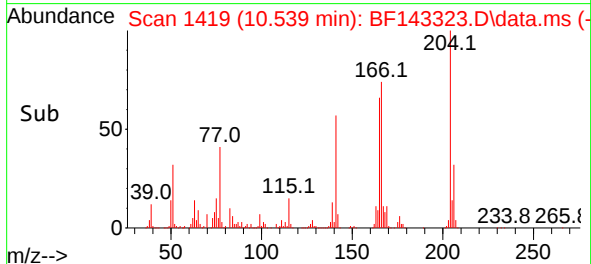
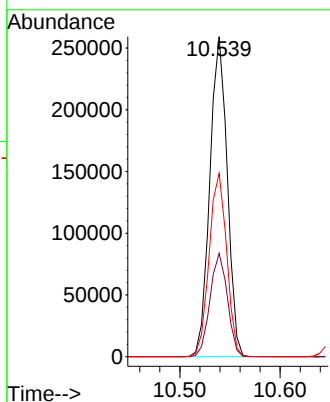
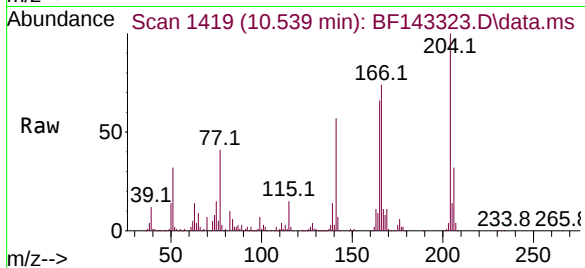




#61  
4-Chlorophenyl-phenylether  
Concen: 43.630 ng  
RT: 10.539 min Scan# 1419  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

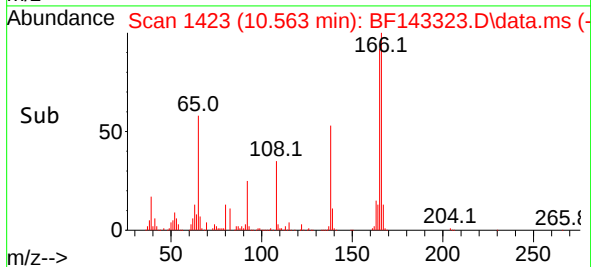
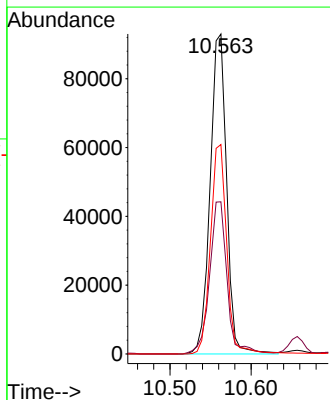
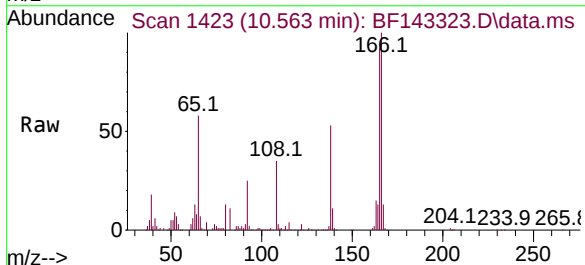
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

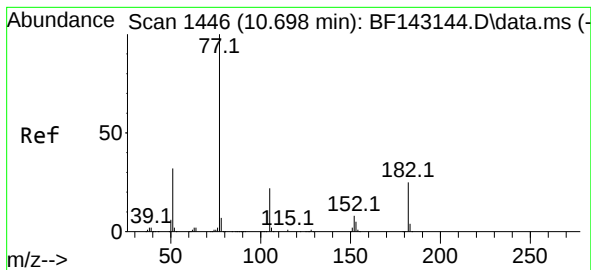
Tgt Ion:204 Resp: 312846  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.8 38.8  
141 57.3 47.0 70.4



#62  
4-Nitroaniline  
Concen: 43.658 ng  
RT: 10.563 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:138 Resp: 131161  
Ion Ratio Lower Upper  
138 100  
92 47.6 29.3 69.3  
108 65.5 48.3 88.3





#63

Azobenzene

Concen: 42.987 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

Tgt Ion: 77 Resp: 652365

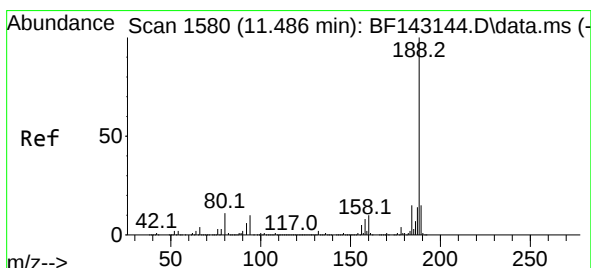
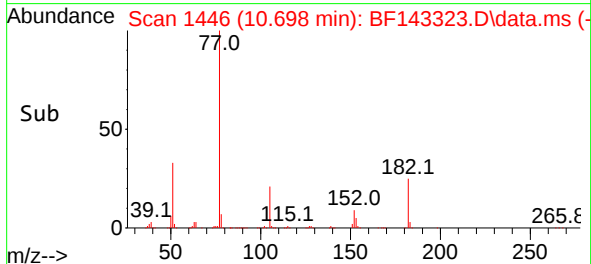
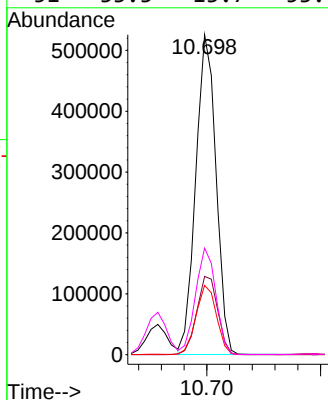
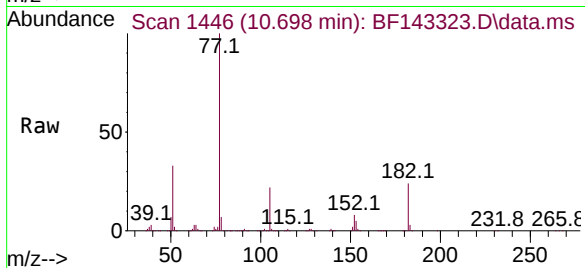
Ion Ratio Lower Upper

77 100

182 24.5 4.6 44.6

105 21.7 1.4 41.4

51 33.3 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

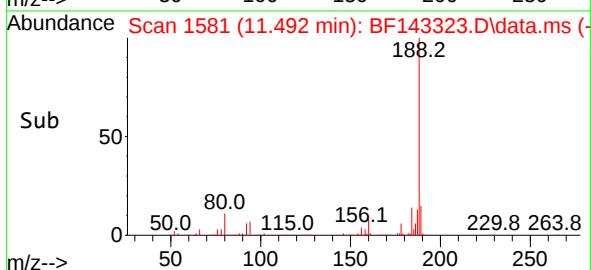
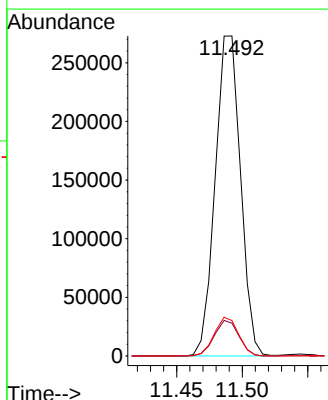
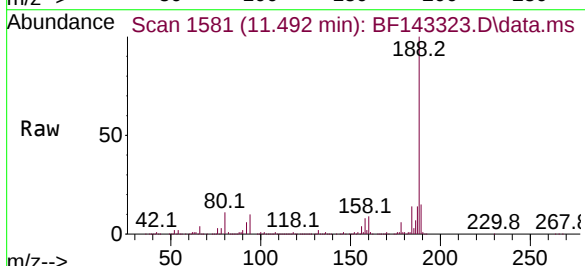
Tgt Ion: 188 Resp: 366768

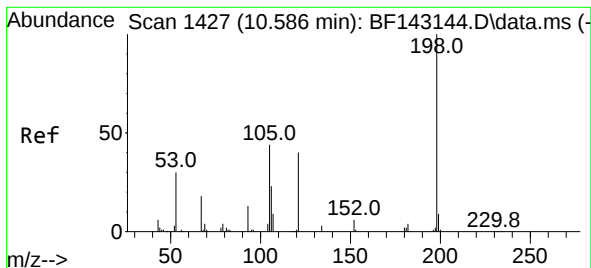
Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

80 11.1 9.0 13.6

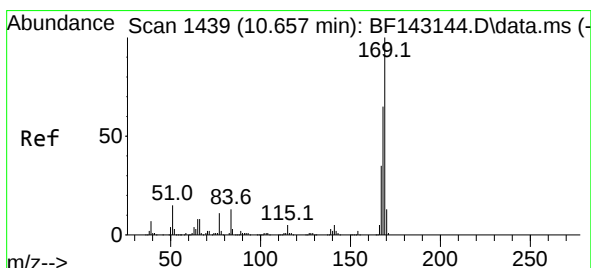
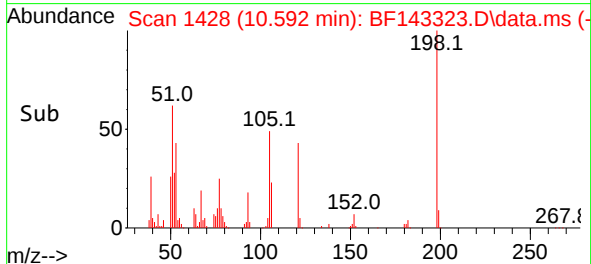
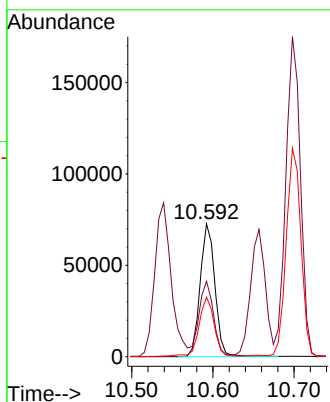
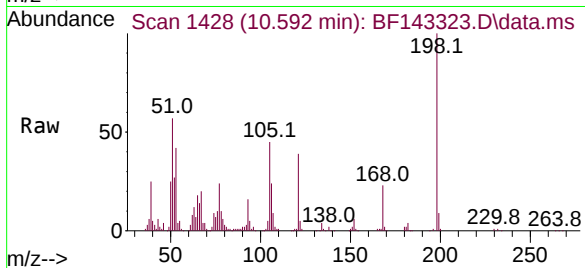




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.762 ng  
RT: 10.592 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

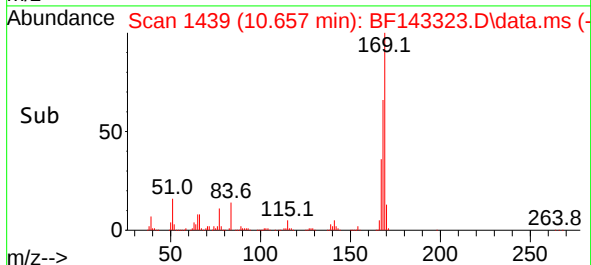
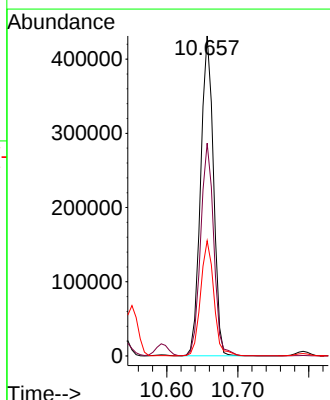
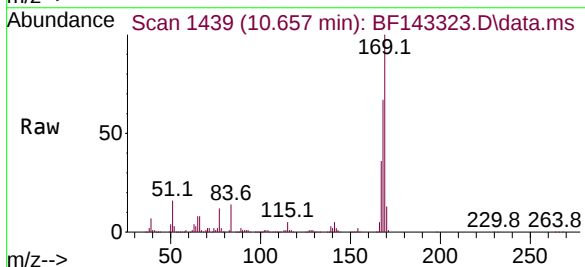
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

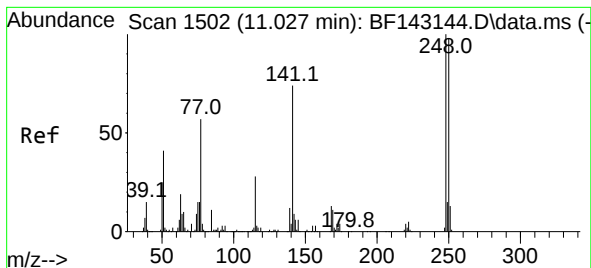
Tgt Ion:198 Resp: 91775  
Ion Ratio Lower Upper  
198 100  
51 56.8 37.2 77.2  
105 44.8 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 42.033 ng  
RT: 10.657 min Scan# 1439  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:169 Resp: 542862  
Ion Ratio Lower Upper  
169 100  
168 66.5 52.1 78.1  
167 36.0 28.2 42.2

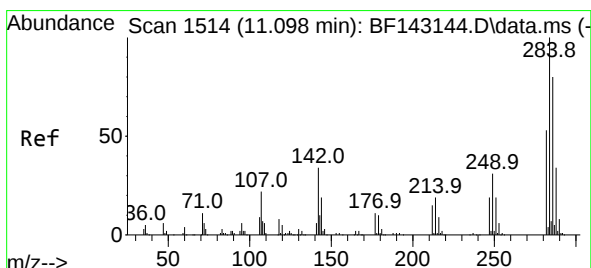
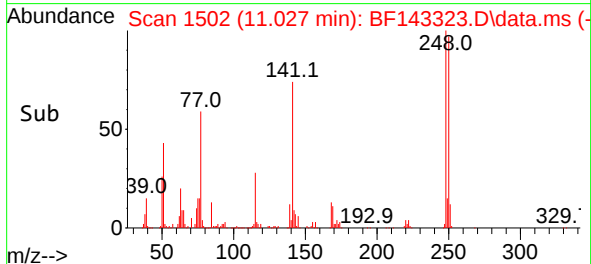
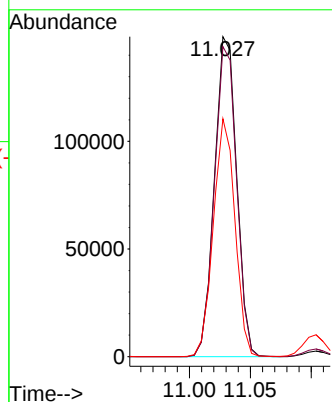
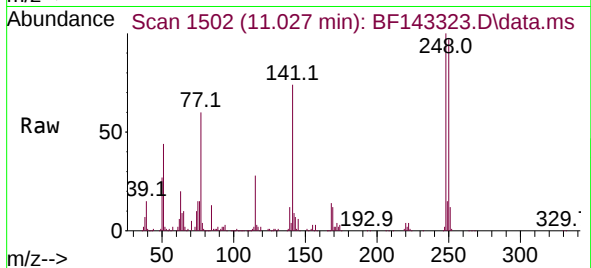




#67  
4-Bromophenyl-phenylether  
Concen: 43.206 ng  
RT: 11.027 min Scan# 1502  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

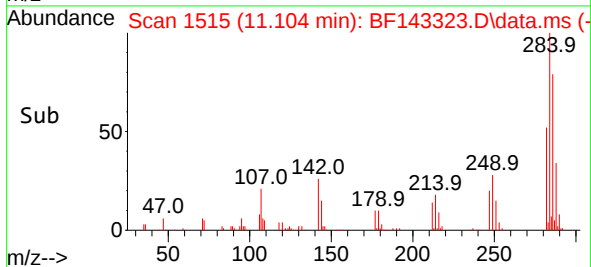
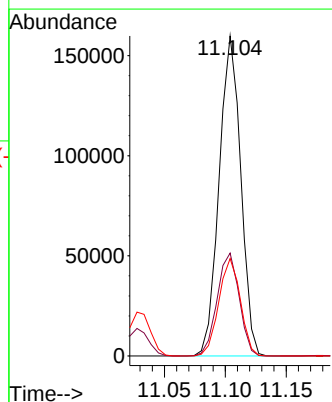
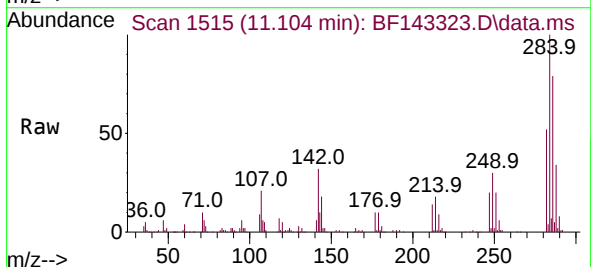
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

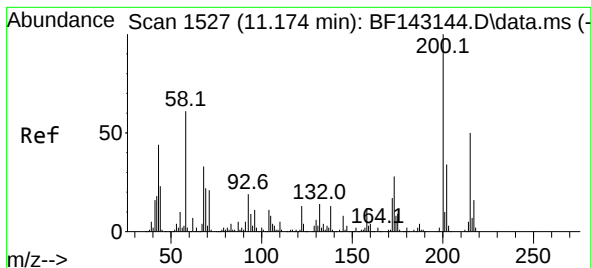
Tgt Ion:248 Resp: 188848  
Ion Ratio Lower Upper  
248 100  
250 96.9 78.3 117.5  
141 74.3 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 43.196 ng  
RT: 11.104 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:284 Resp: 197340  
Ion Ratio Lower Upper  
284 100  
142 32.1 27.0 40.6  
249 30.5 25.0 37.6





#69

Atrazine

Concen: 47.855 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

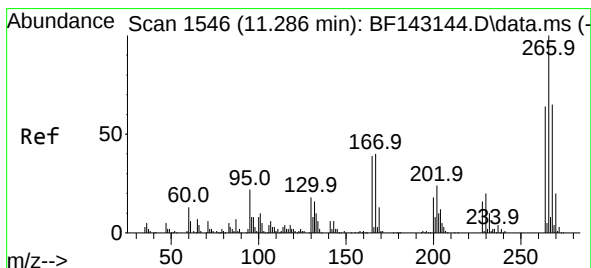
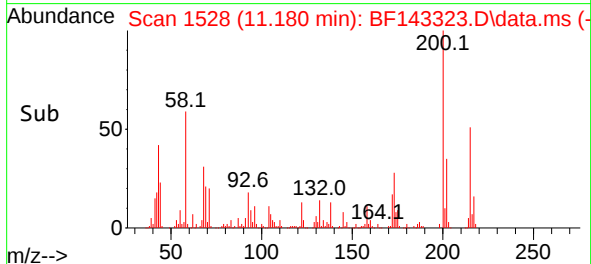
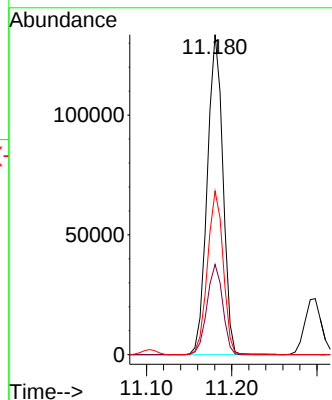
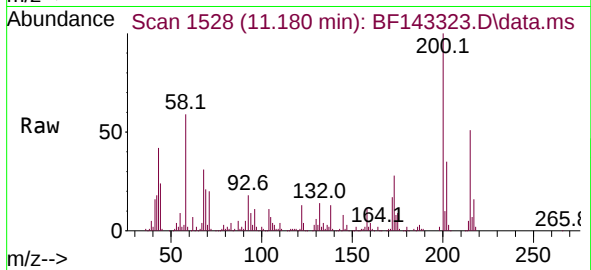
Tgt Ion:200 Resp: 170389

Ion Ratio Lower Upper

200 100

173 28.2 7.9 47.9

215 51.1 30.1 70.1



#70

Pentachlorophenol

Concen: 71.110 ng

RT: 11.298 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

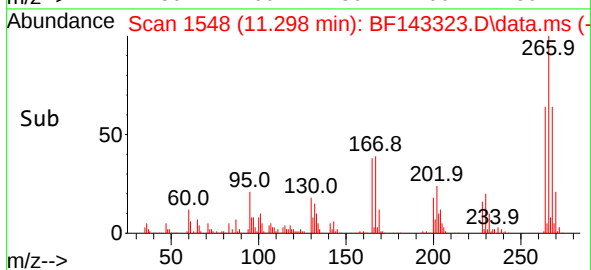
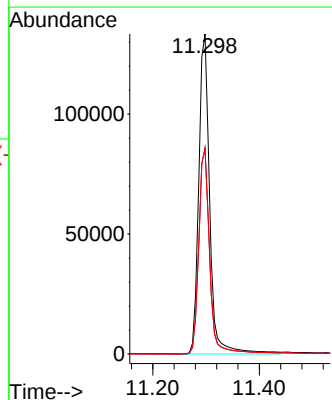
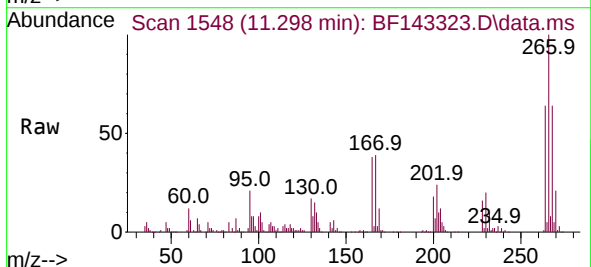
Tgt Ion:266 Resp: 191047

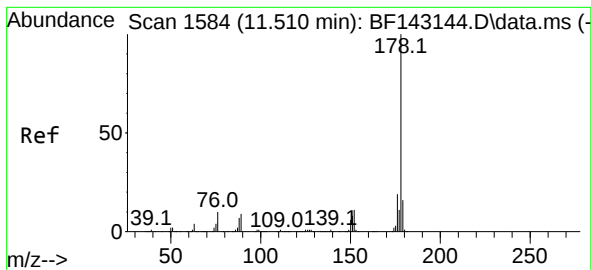
Ion Ratio Lower Upper

266 100

268 64.4 51.9 77.9

264 64.2 51.0 76.6





#71

Phenanthrene

Concen: 42.135 ng

RT: 11.516 min Scan# 11585

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

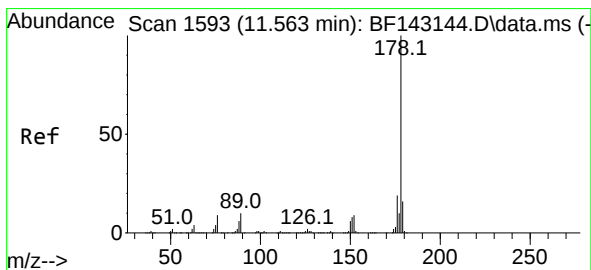
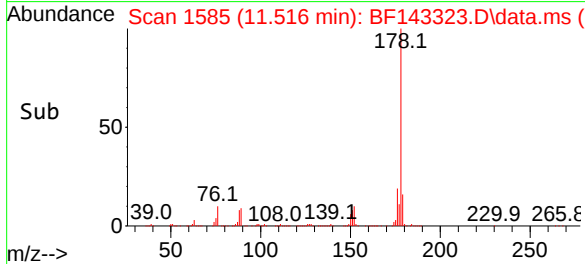
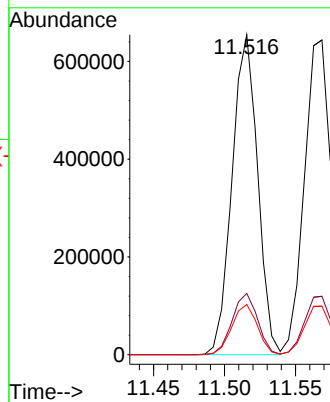
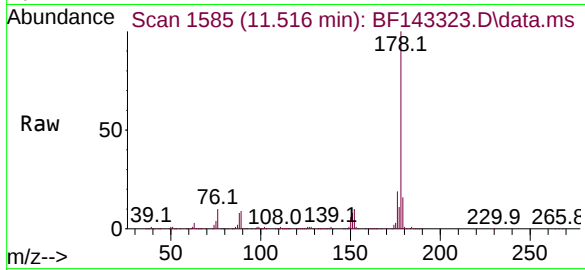
Tgt Ion:178 Resp: 820547

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 42.528 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

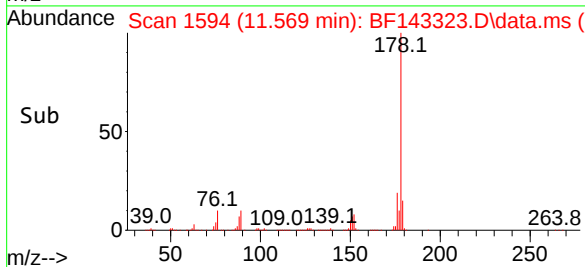
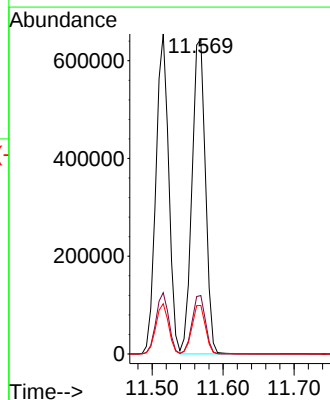
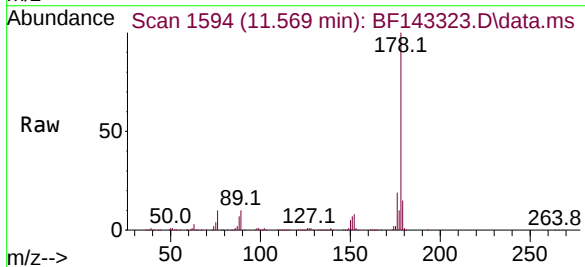
Tgt Ion:178 Resp: 844668

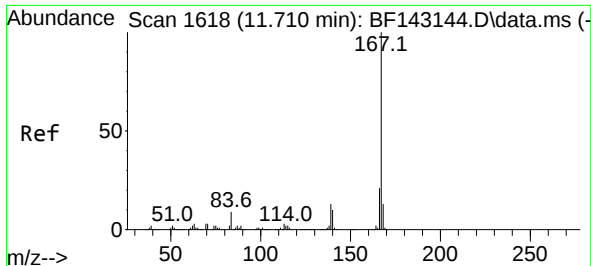
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.4 12.5 18.7

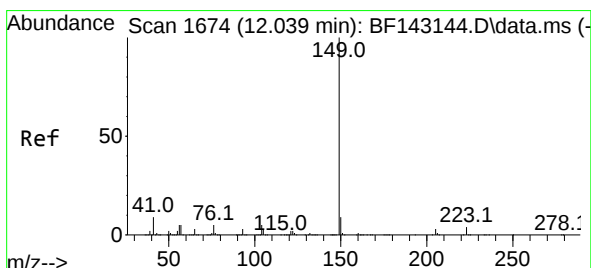
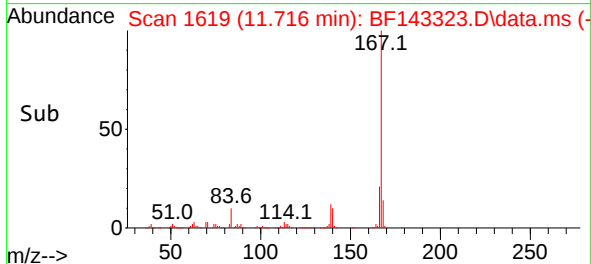
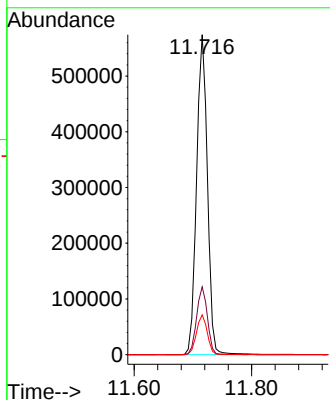
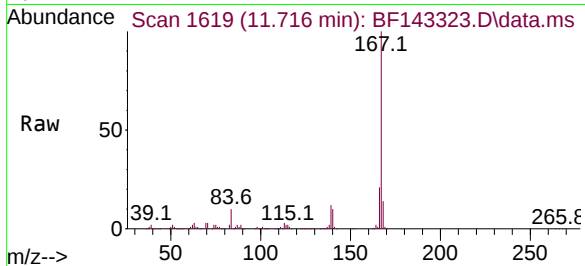




#73  
Carbazole  
Concen: 42.336 ng  
RT: 11.716 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

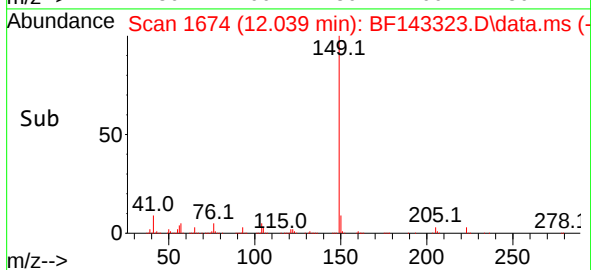
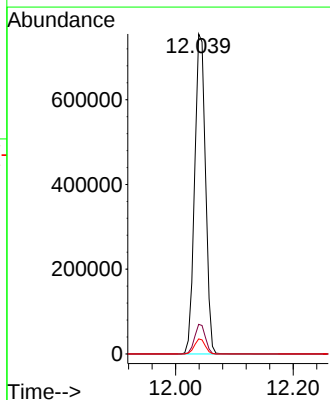
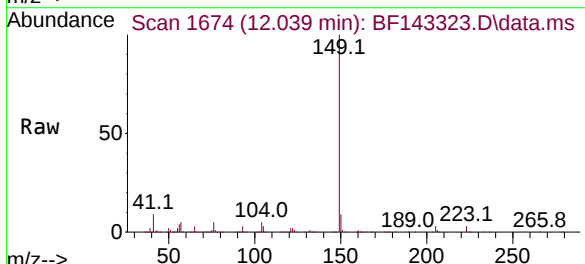
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

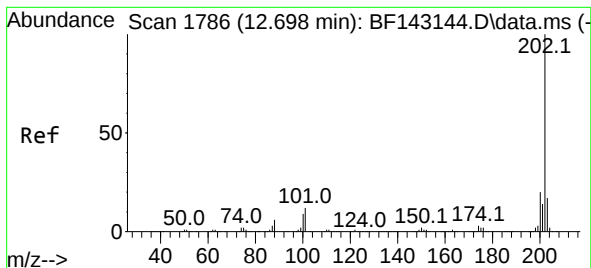
Tgt Ion:167 Resp: 734242  
Ion Ratio Lower Upper  
167 100  
166 21.2 17.0 25.6  
139 12.4 10.0 15.0



#74  
Di-n-butylphthalate  
Concen: 49.317 ng  
RT: 12.039 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:149 Resp: 967770  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.4 11.2  
104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 45.190 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

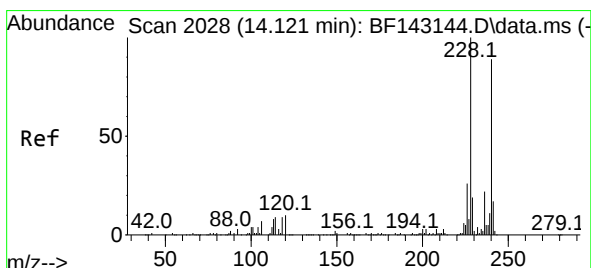
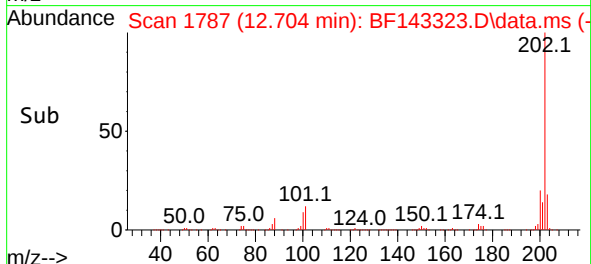
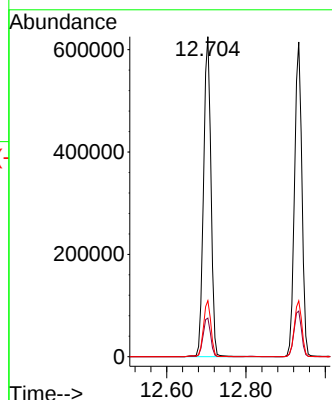
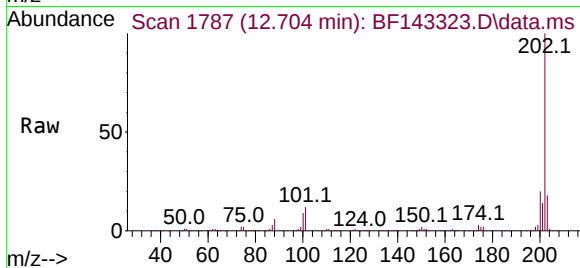
Tgt Ion:202 Resp: 807761

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.7

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

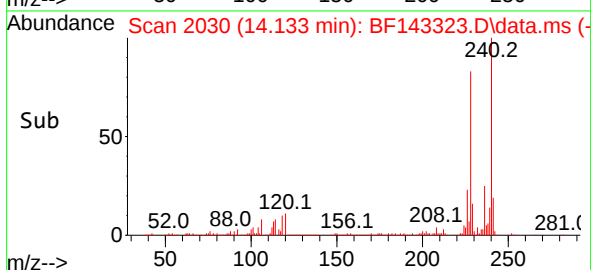
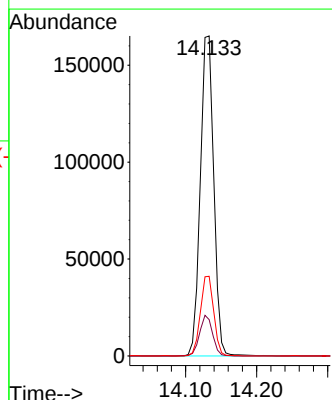
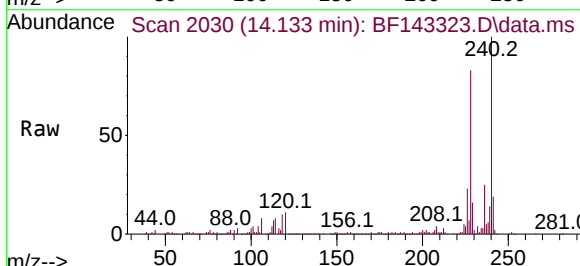
Tgt Ion:240 Resp: 218116

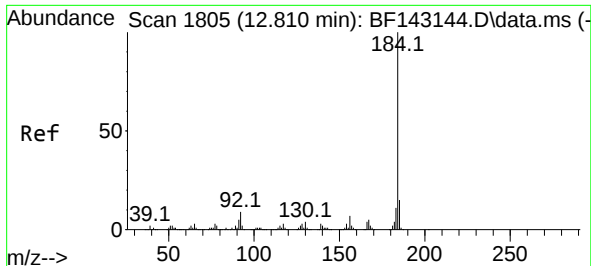
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 24.9 20.2 30.4

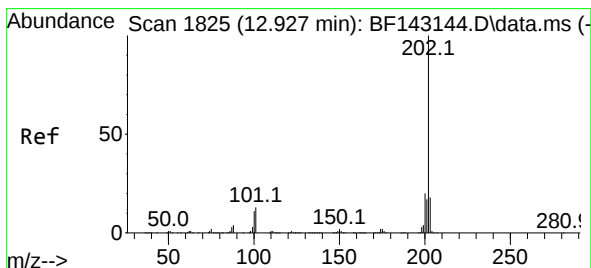
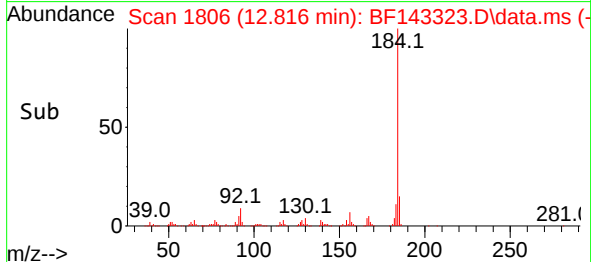
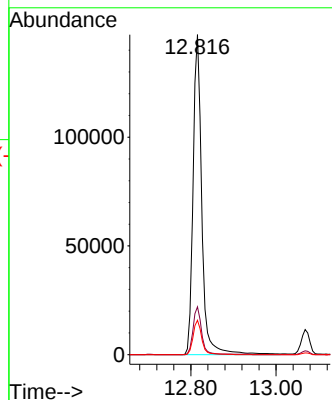
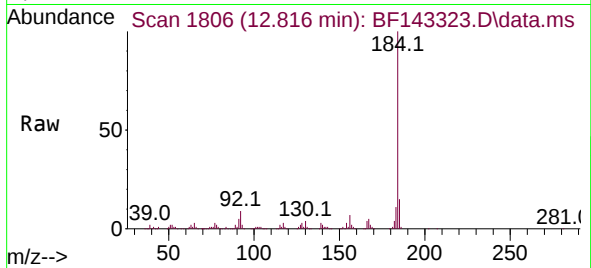




#77  
Benzidine  
Concen: 24.939 ng  
RT: 12.816 min Scan# 1806  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

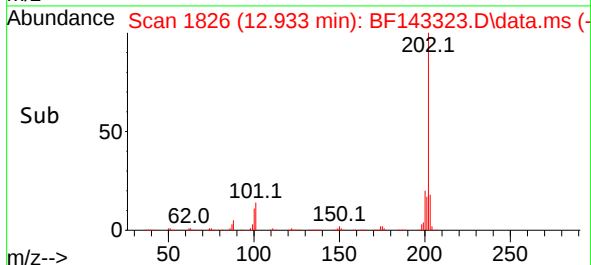
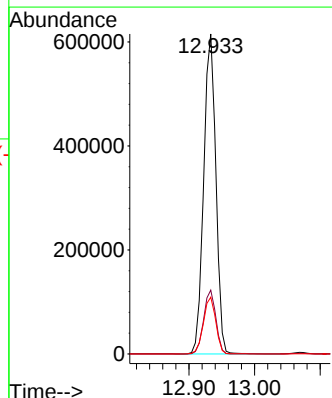
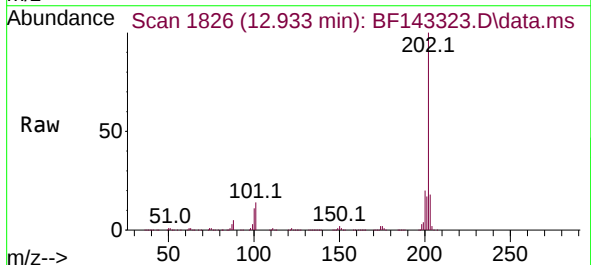
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

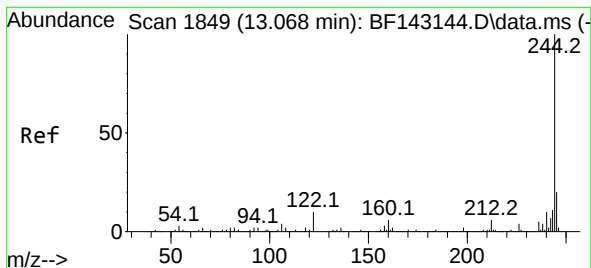
Tgt Ion:184 Resp: 209571  
Ion Ratio Lower Upper  
184 100  
185 14.9 12.2 18.4  
183 10.7 9.0 13.4



#78  
Pyrene  
Concen: 42.812 ng  
RT: 12.933 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:202 Resp: 796950  
Ion Ratio Lower Upper  
202 100  
200 19.9 15.7 23.5  
203 17.7 14.2 21.2

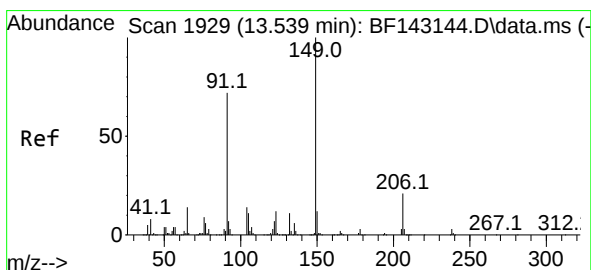
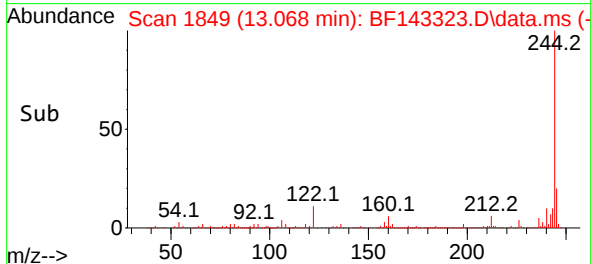
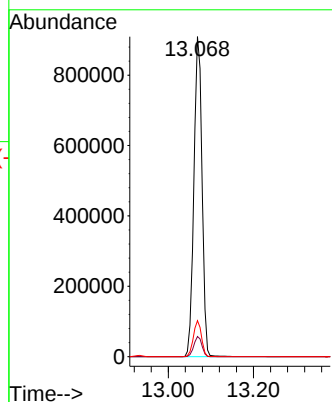
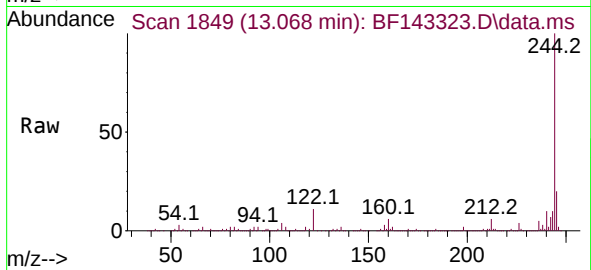




#79  
 Terphenyl-d14  
 Concen: 82.184 ng  
 RT: 13.068 min Scan# 1849  
 Delta R.T. -0.000 min  
 Lab File: BF143323.D  
 Acq: 06 Aug 2025 11:36

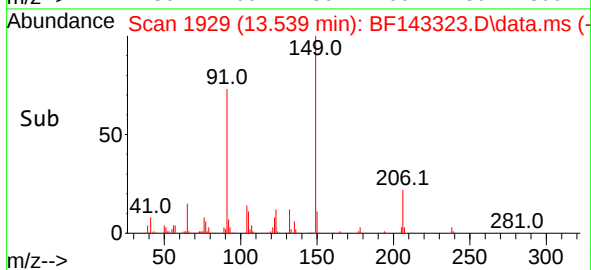
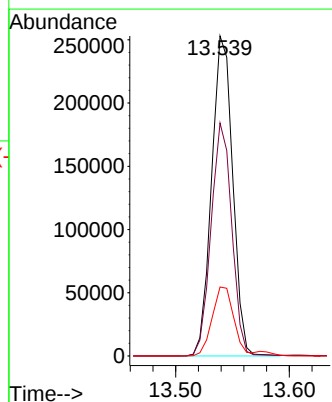
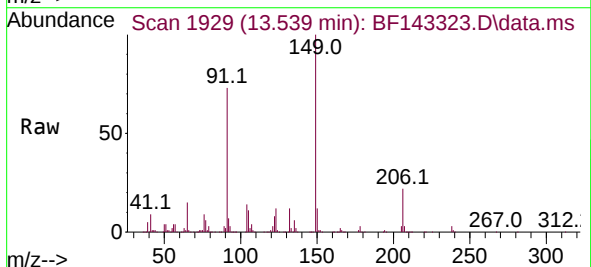
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169106BS

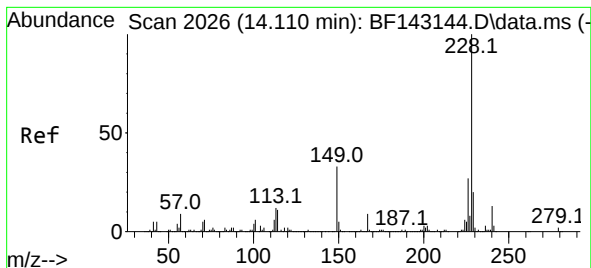
Tgt Ion:244 Resp: 1204586  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.2 7.8  
 122 11.3 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 57.184 ng  
 RT: 13.539 min Scan# 1929  
 Delta R.T. -0.000 min  
 Lab File: BF143323.D  
 Acq: 06 Aug 2025 11:36

Tgt Ion:149 Resp: 325961  
 Ion Ratio Lower Upper  
 149 100  
 91 72.8 57.9 86.9  
 206 21.6 17.0 25.4





#81

Benzo(a)anthracene

Concen: 44.130 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

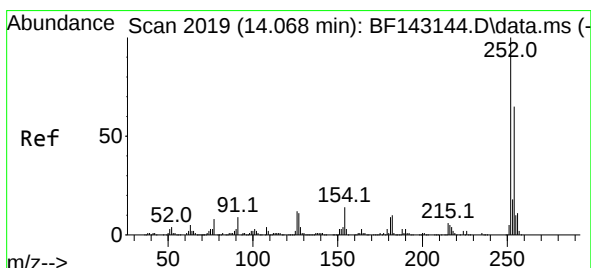
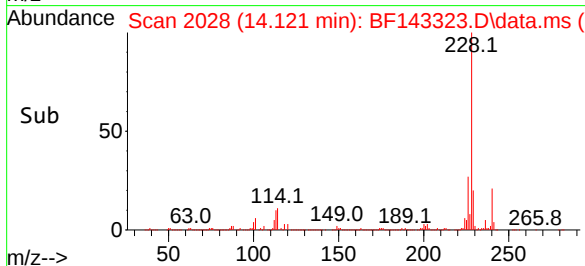
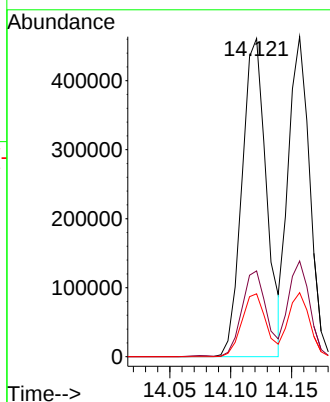
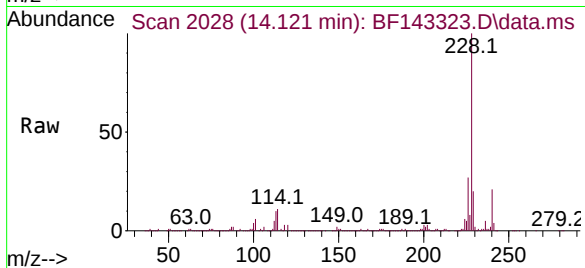
Tgt Ion:228 Resp: 644421

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

229 19.8 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 23.600 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

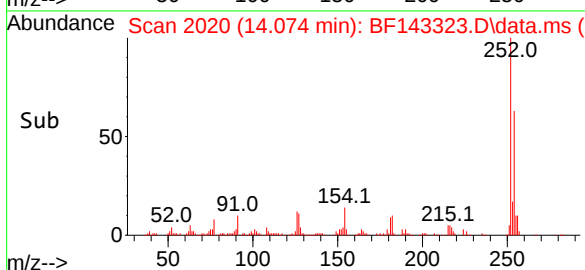
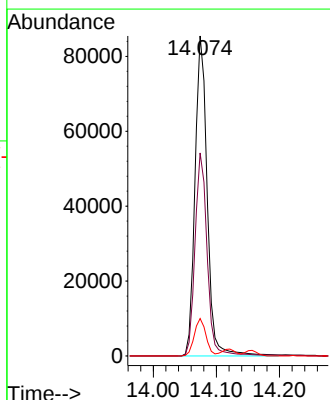
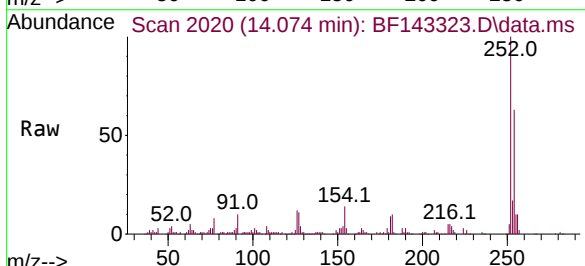
Tgt Ion:252 Resp: 114861

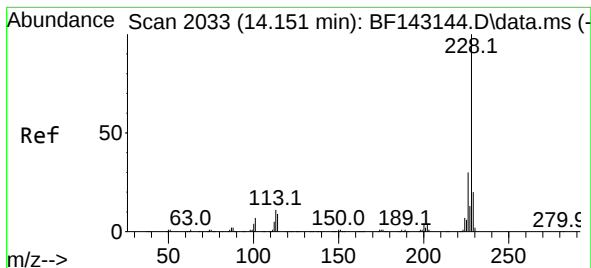
Ion Ratio Lower Upper

252 100

254 63.4 51.7 77.5

126 11.7 9.4 14.0





#83

Chrysene

Concen: 43.219 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

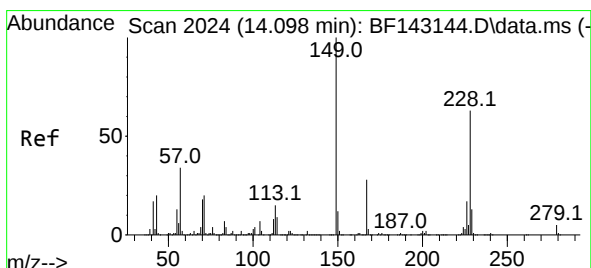
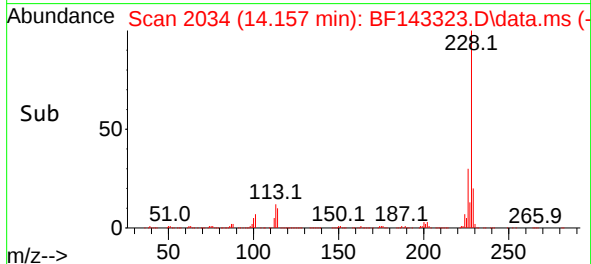
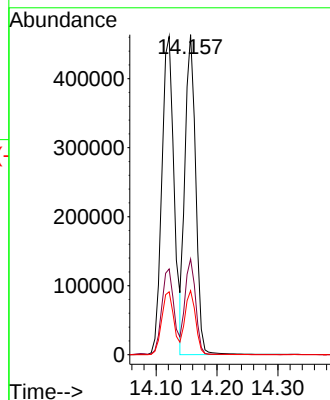
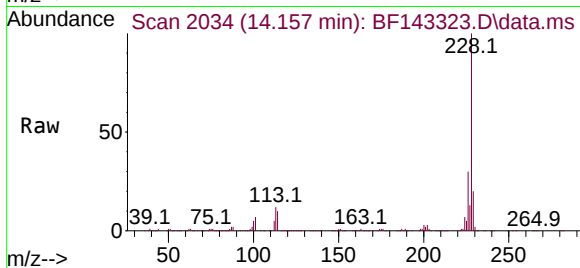
Tgt Ion:228 Resp: 567438

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 20.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.414 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

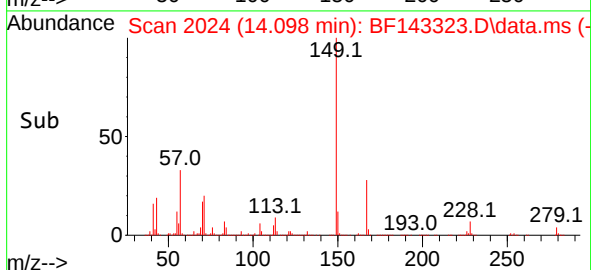
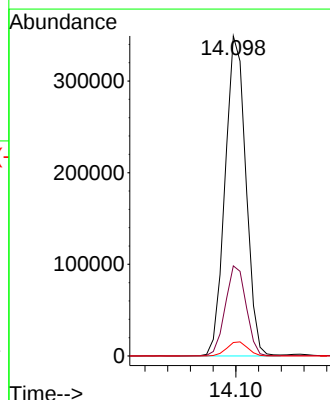
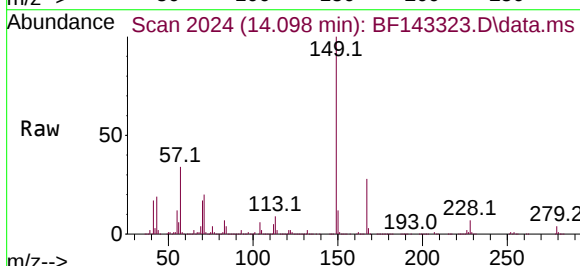
Tgt Ion:149 Resp: 443590

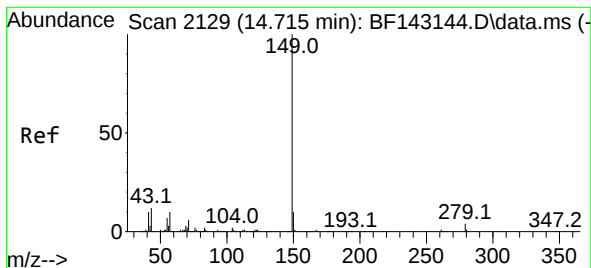
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.2 3.6 5.4

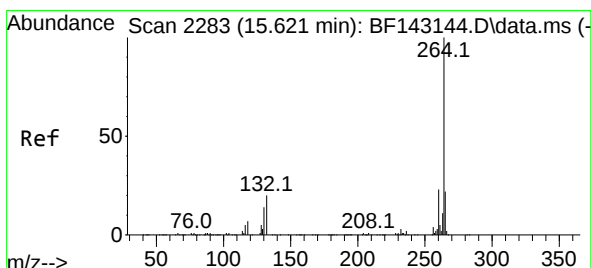
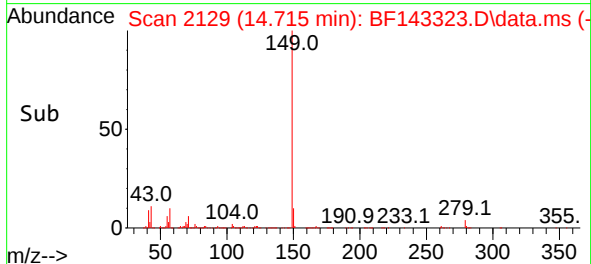
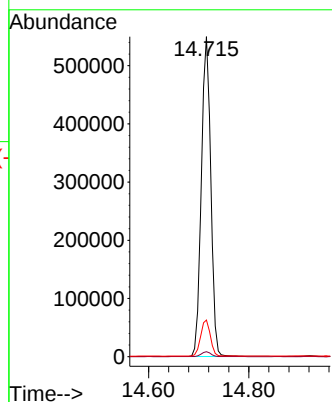
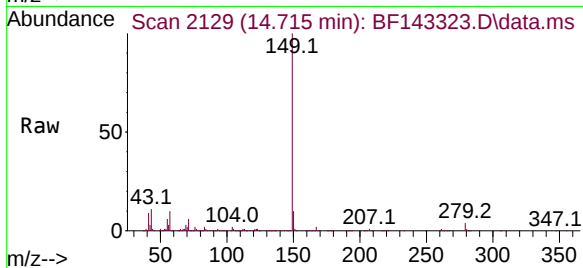




#85  
Di-n-octyl phthalate  
Concen: 45.787 ng  
RT: 14.715 min Scan# 2129  
Delta R.T. -0.000 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

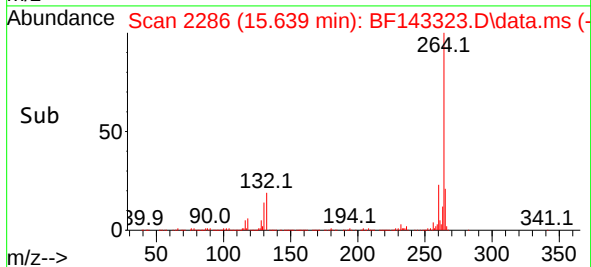
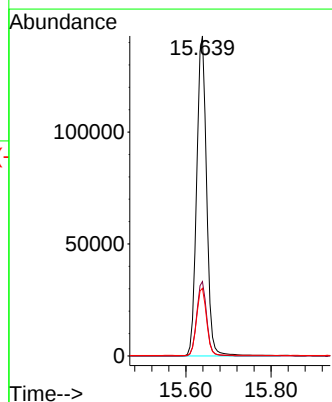
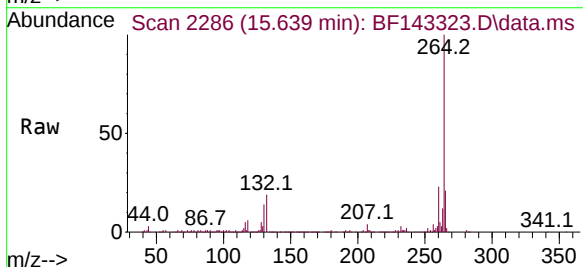
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

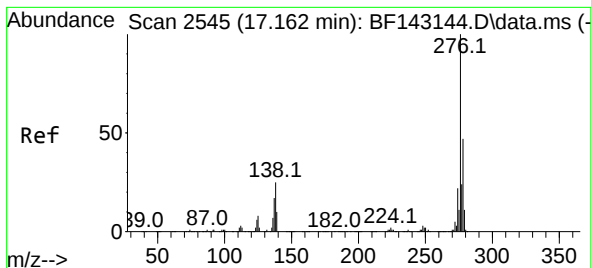
Tgt Ion:149 Resp: 716056  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.1 1.7#  
43 11.5 9.7 14.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.639 min Scan# 2286  
Delta R.T. 0.018 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:264 Resp: 231621  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.5 27.7  
265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.152 ng

RT: 17.186 min Scan# 2110

Delta R.T. 0.024 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

Instrument :

BNA\_F

ClientSampleId :

PB169106BS

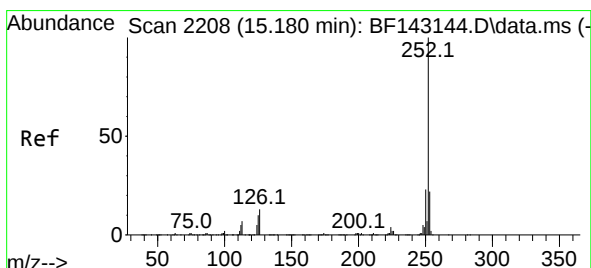
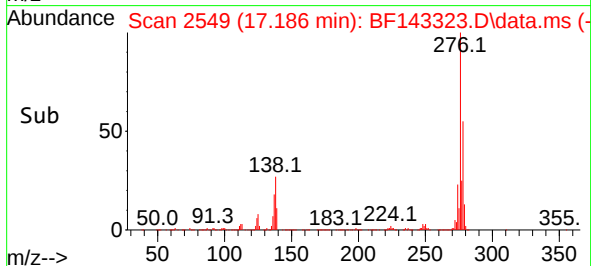
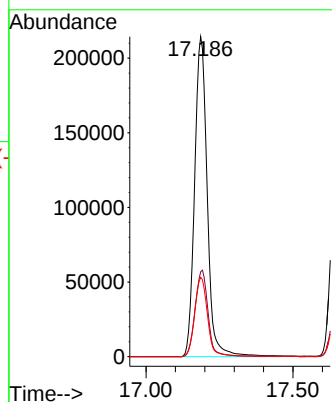
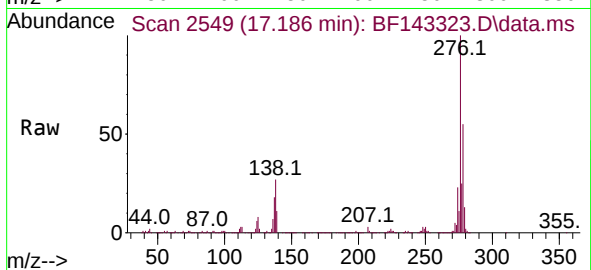
Tgt Ion:276 Resp: 639442

Ion Ratio Lower Upper

276 100

138 27.8 21.8 32.6

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 41.536 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143323.D

Acq: 06 Aug 2025 11:36

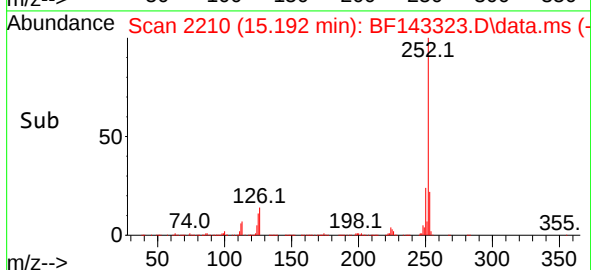
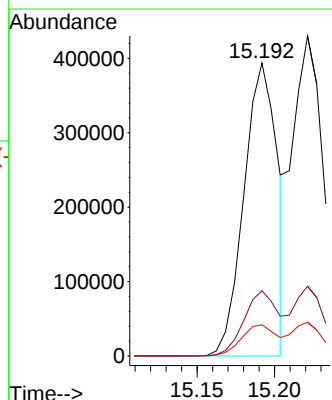
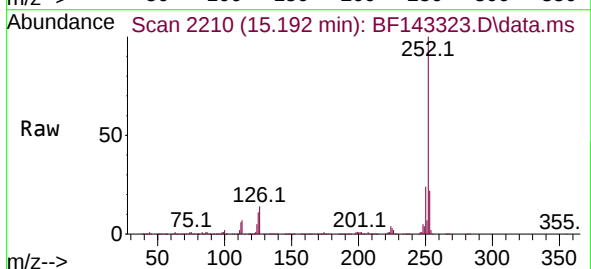
Tgt Ion:252 Resp: 587738

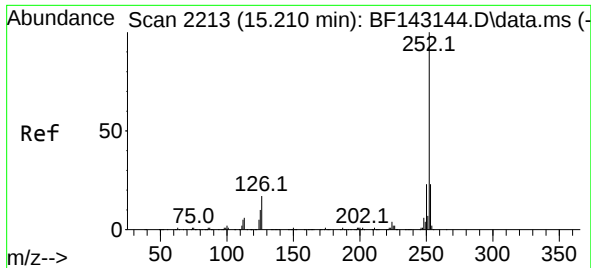
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.7 8.0 12.0

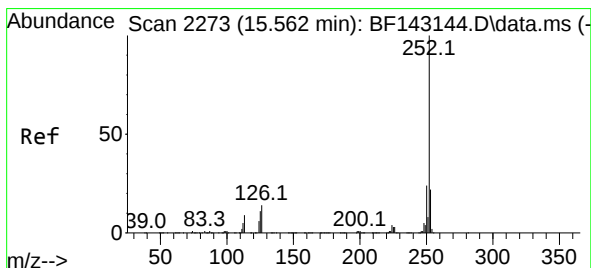
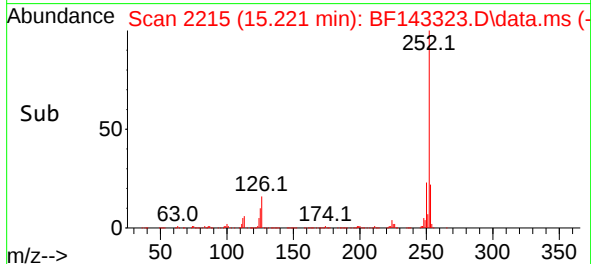
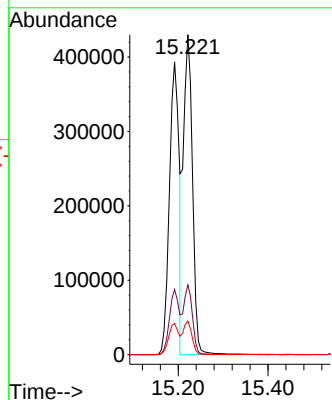
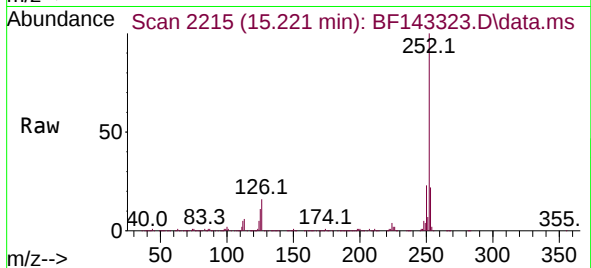




#89  
Benzo(k)fluoranthene  
Concen: 48.207 ng  
RT: 15.221 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

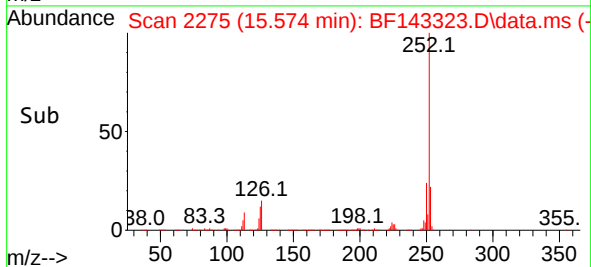
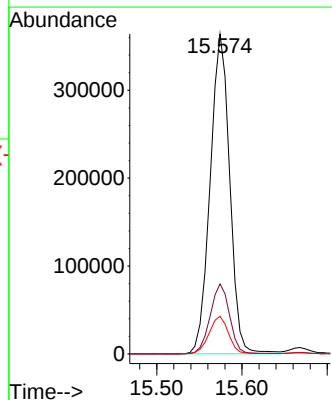
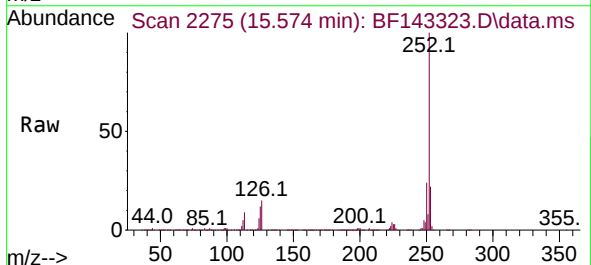
Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

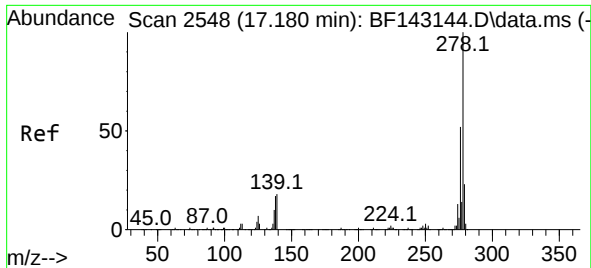
Tgt Ion:252 Resp: 608697  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.6  
125 10.5 8.1 12.1



#90  
Benzo(a)pyrene  
Concen: 44.442 ng  
RT: 15.574 min Scan# 2275  
Delta R.T. 0.012 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:252 Resp: 579387  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.3 25.9  
125 11.8 8.6 13.0

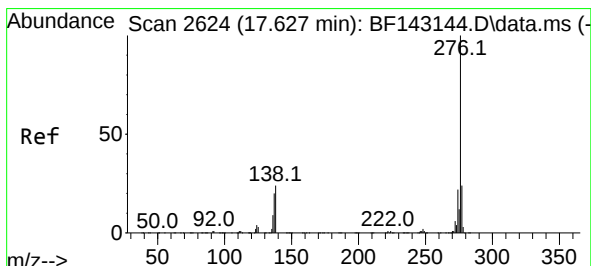
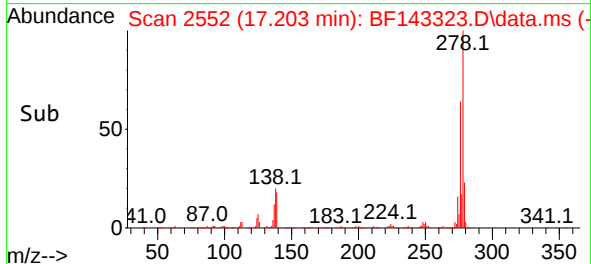
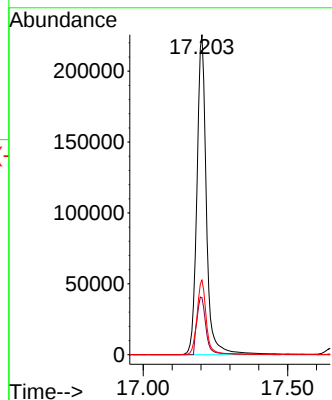
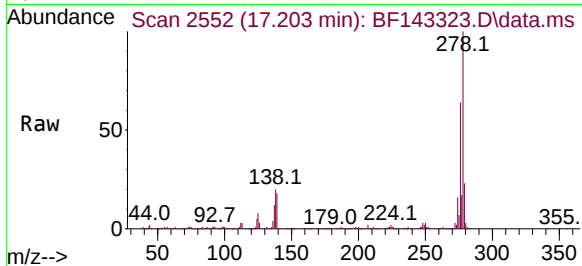




#91  
Dibenzo(a,h)anthracene  
Concen: 38.783 ng  
RT: 17.203 min Scan# 21  
Delta R.T. 0.023 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB169106BS

Tgt Ion:278 Resp: 515564  
Ion Ratio Lower Upper  
278 100  
139 17.8 14.1 21.1  
279 23.3 18.6 28.0



#92  
Benzo(g,h,i)perylene  
Concen: 38.915 ng  
RT: 17.656 min Scan# 2629  
Delta R.T. 0.029 min  
Lab File: BF143323.D  
Acq: 06 Aug 2025 11:36

Tgt Ion:276 Resp: 500415  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.1 28.7  
138 23.3 18.9 28.3

