

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060724\  
 Data File : BF138151.D  
 Acq On : 07 Jun 2024 10:35  
 Operator : CG\JU  
 Sample : PB161334BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161334BS

Quant Time: Jun 07 11:14:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 06 05:19:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.910  | 152  | 431223   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.192  | 136  | 1719569  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.945  | 164  | 972684   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 1693294  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 914486   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 813503   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.545  | 112  | 3109119  | 122.876 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.539  | 99   | 3966129  | 123.887 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.475  | 82   | 2418079  | 95.675  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.739 | 330  | 1266699  | 135.319 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.269  | 172  | 4583422  | 82.394  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.015 | 244  | 4947424  | 80.920  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.834  | 88   | 393151   | 33.901  | ng    | 98       |
| 3) Pyridine                   | 3.575  | 79   | 969938   | 34.133  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.540  | 42   | 595199   | 42.666  | ng    | 94       |
| 6) Aniline                    | 6.569  | 93   | 898570   | 27.683  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.692  | 128  | 1298638  | 47.440  | ng    | 98       |
| 9) Benzaldehyde               | 6.463  | 77   | 750799   | 50.414  | ng    | 93       |
| 10) Phenol                    | 6.551  | 94   | 1546723  | 47.025  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.645  | 93   | 1180485  | 44.771  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.851  | 146  | 1338264  | 42.668  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.928  | 146  | 1367043  | 43.277  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.075  | 146  | 1316893  | 44.413  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.051  | 79   | 1054528  | 46.553  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.181  | 45   | 1695179  | 43.793  | ng    | 97       |
| 17) 2-Methylphenol            | 7.157  | 107  | 1018149  | 45.952  | ng    | 99       |
| 18) Hexachloroethane          | 7.422  | 117  | 482217   | 44.727  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 879899   | 43.104  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.310  | 107  | 1256329  | 45.568  | ng    | 96       |
| 22) Acetophenone              | 7.322  | 105  | 1687236  | 42.621  | ng    | 99       |
| 24) Nitrobenzene              | 7.492  | 77   | 1271860  | 46.195  | ng    | 98       |
| 25) Isophorone                | 7.728  | 82   | 2400121  | 43.106  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.804  | 139  | 631960   | 52.982  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.839  | 122  | 957705   | 49.518  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.939  | 93   | 1479040  | 43.609  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.045  | 162  | 1118371  | 47.978  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.128  | 180  | 1217434  | 43.285  | ng    | 99       |
| 31) Naphthalene               | 8.216  | 128  | 3557422  | 42.772  | ng    | 99       |
| 32) Benzoic acid              | 7.975  | 122  | 809502   | 52.682  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.257  | 127  | 578950   | 18.521  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.328  | 225  | 697083   | 42.176  | ng    | 100      |
| 35) Caprolactam               | 8.633  | 113  | 196779   | 25.281  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.739  | 107  | 1107842  | 46.378  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.904  | 142  | 2442017  | 43.554  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.004  | 142  | 2281892  | 41.566  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.069  | 216  | 1241205  | 45.198  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.057  | 237  | 1143526  | 126.139 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.175  | 196  | 843370   | 50.582  | ng    | 100      |

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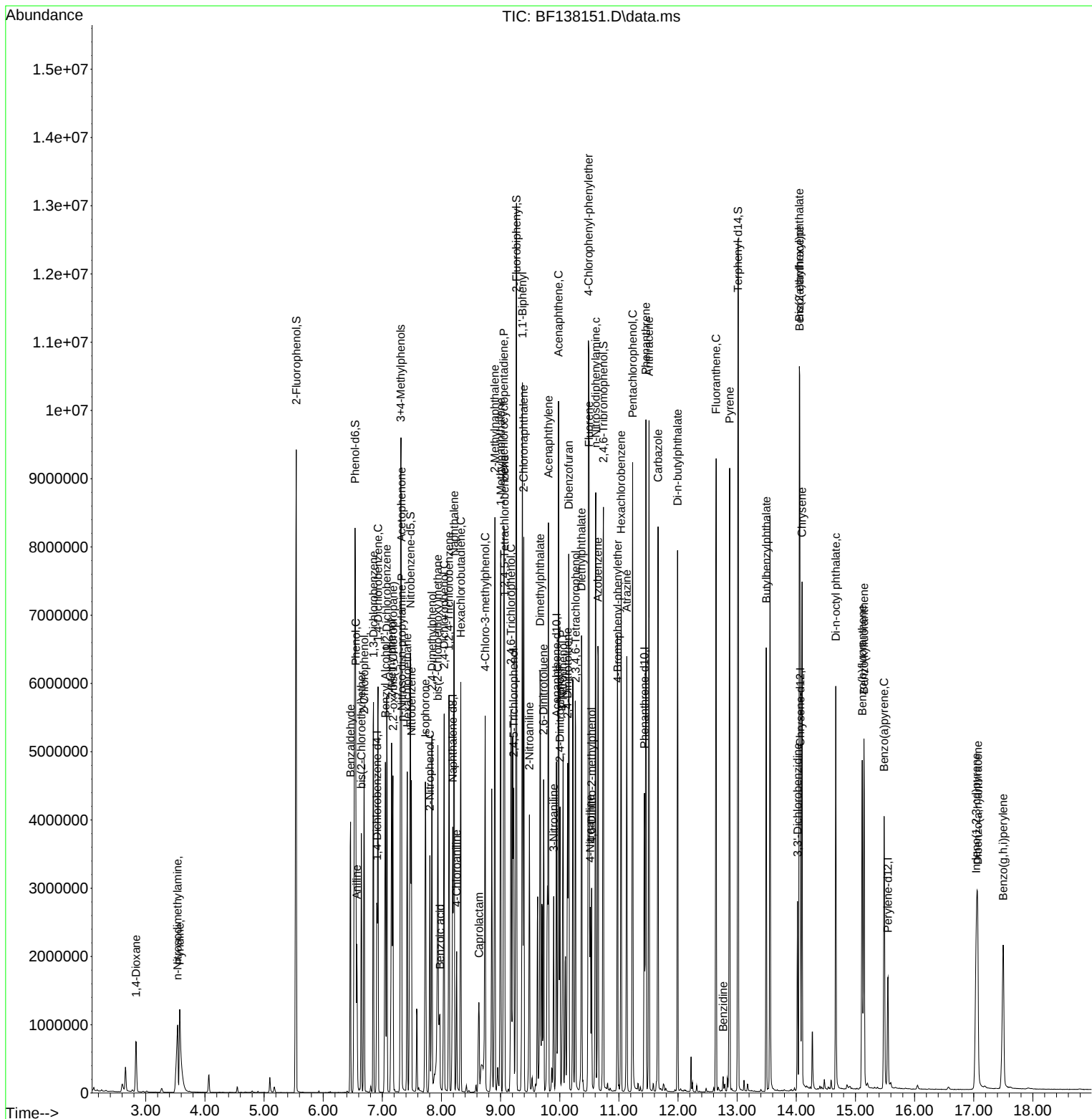
Instrument :  
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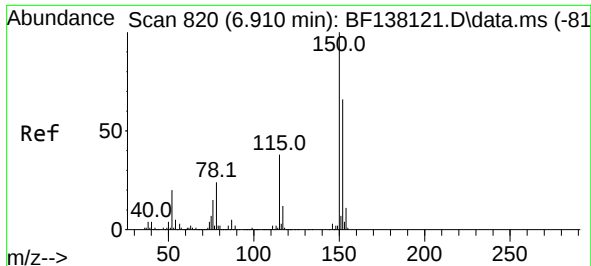
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 06 05:19:29 2024  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.222  | 196  | 895569   | 48.745  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.369  | 154  | 2992167  | 43.794  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.392  | 162  | 2365188  | 43.438  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.486  | 65   | 654763   | 48.354  | ng    | 98       |
| 49) Acenaphthylene            | 9.810  | 152  | 3568266  | 46.310  | ng    | 98       |
| 50) Dimethylphthalate         | 9.669  | 163  | 2751537  | 45.020  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.727  | 165  | 626513   | 47.286  | ng    | 98       |
| 52) Acenaphthene              | 9.980  | 154  | 2461789  | 47.285  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.898  | 138  | 433339   | 33.580  | ng    | # 97     |
| 54) 2,4-Dinitrophenol         | 10.004 | 184  | 536779   | 94.070  | ng    | 99       |
| 55) Dibenzofuran              | 10.151 | 168  | 3310949  | 44.962  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.057 | 139  | 988592   | 106.346 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.133 | 165  | 813220   | 51.174  | ng    | 90       |
| 58) Fluorene                  | 10.498 | 166  | 2484459  | 42.476  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.269 | 232  | 759706   | 52.424  | ng    | 98       |
| 60) Diethylphthalate          | 10.369 | 149  | 2624227  | 43.984  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.486 | 204  | 1290201  | 43.420  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.516 | 138  | 562472   | 49.305  | ng    | 96       |
| 63) Azobenzene                | 10.645 | 77   | 2506188  | 43.611  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.539 | 198  | 379561   | 56.339  | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 10.610 | 169  | 2318914  | 45.859  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248  | 897556   | 46.553  | ng    | # 91     |
| 68) Hexachlorobenzene         | 11.039 | 284  | 1003265  | 44.760  | ng    | 98       |
| 69) Atrazine                  | 11.133 | 200  | 806332   | 49.563  | ng    | 99       |
| 70) Pentachlorophenol         | 11.233 | 266  | 1174175  | 97.858  | ng    | 99       |
| 71) Phenanthrene              | 11.457 | 178  | 3639027  | 44.642  | ng    | 99       |
| 72) Anthracene                | 11.510 | 178  | 3617212  | 44.491  | ng    | 98       |
| 73) Carbazole                 | 11.663 | 167  | 3196392  | 42.990  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.992 | 149  | 3783280  | 43.289  | ng    | 100      |
| 75) Fluoranthene              | 12.645 | 202  | 3582220  | 40.728  | ng    | 99       |
| 77) Benzidine                 | 12.763 | 184  | 94448    | 10.036  | ng    | 98       |
| 78) Pyrene                    | 12.874 | 202  | 3673563  | 44.418  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.492 | 149  | 1331676  | 48.762  | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 2607456  | 45.193  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.021 | 252  | 565675   | 38.682  | ng    | 99       |
| 83) Chrysene                  | 14.098 | 228  | 2538430  | 45.844  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149  | 1765382  | 44.369  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 2619933  | 47.837  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.045 | 276  | 2307610  | 51.803  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 2305536  | 45.082  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 2393709  | 49.082  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 2015500  | 52.038  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.068 | 278  | 1851012  | 51.924  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.498 | 276  | 1903505  | 51.514  | ng    | 99       |

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

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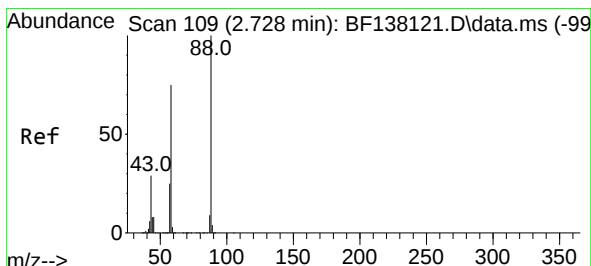
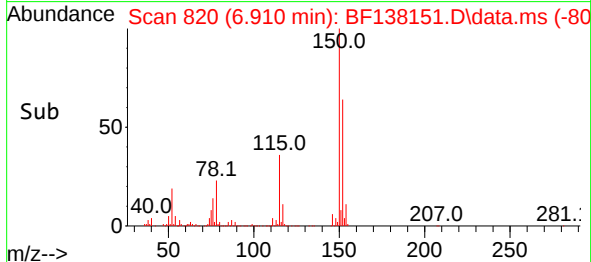
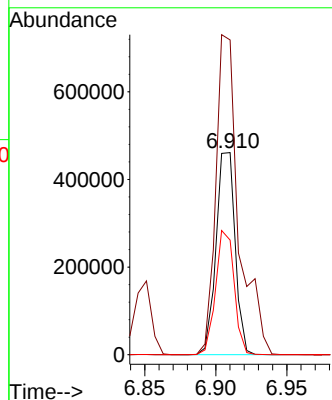
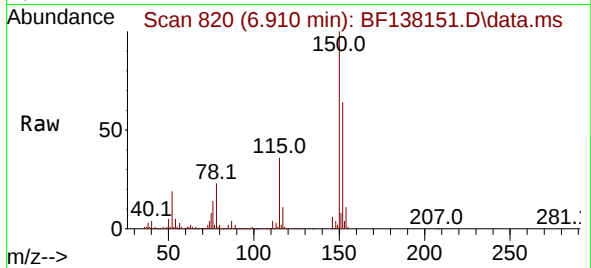




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.910 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BF138151.D  
 Acq: 07 Jun 2024 10:35

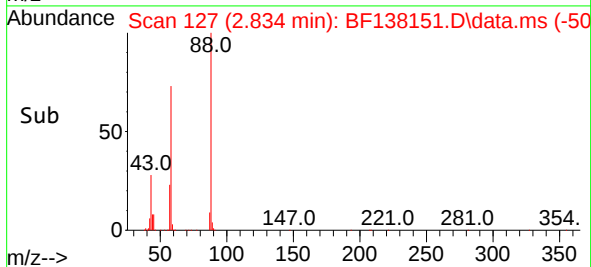
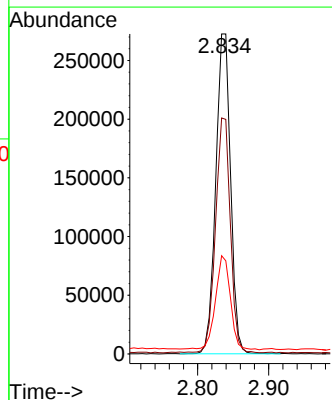
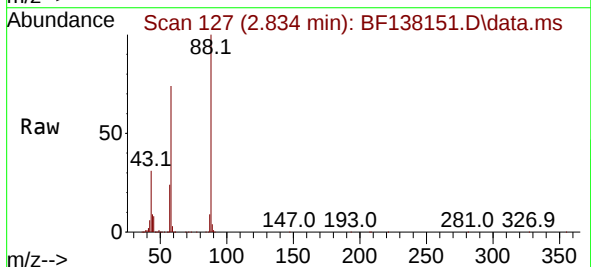
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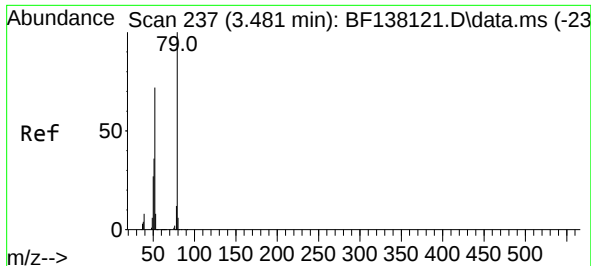
Tgt Ion:152 Resp: 431223  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 121.8 182.6  
 115 56.7 46.2 69.2



#2  
 1,4-Dioxane  
 Concen: 33.901 ng  
 RT: 2.834 min Scan# 127  
 Delta R.T. 0.106 min  
 Lab File: BF138151.D  
 Acq: 07 Jun 2024 10:35

Tgt Ion: 88 Resp: 393151  
 Ion Ratio Lower Upper  
 88 100  
 58 73.4 60.6 90.8  
 43 29.9 23.6 35.4

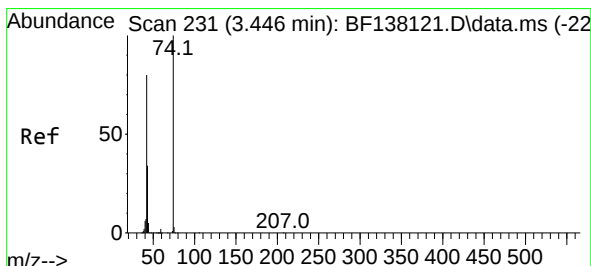
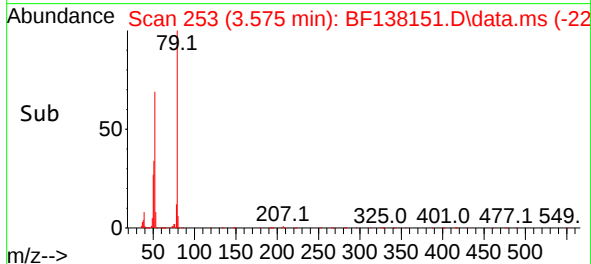
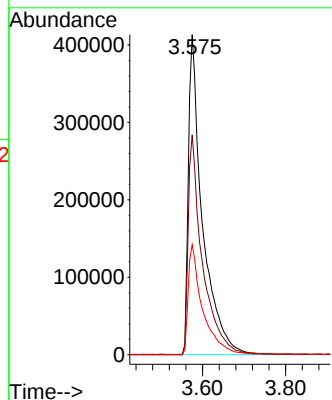
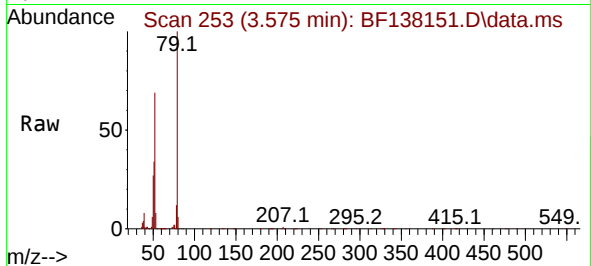




#3  
Pyridine  
Concen: 34.133 ng  
RT: 3.575 min Scan# 21  
Delta R.T. 0.094 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

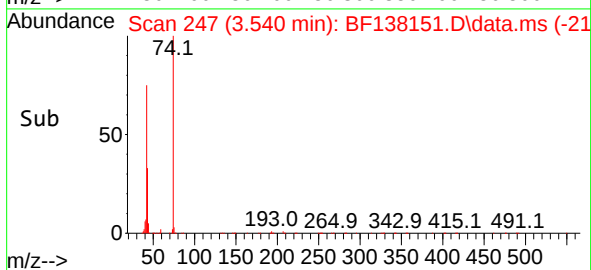
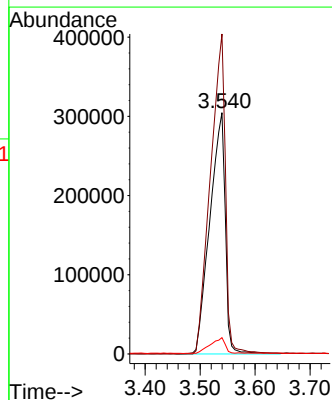
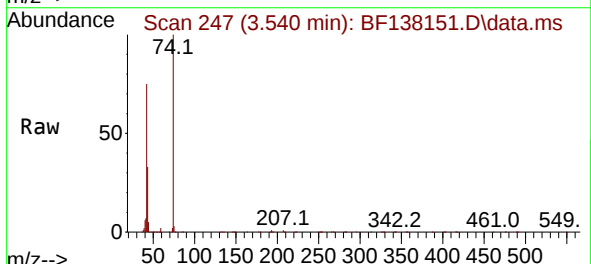
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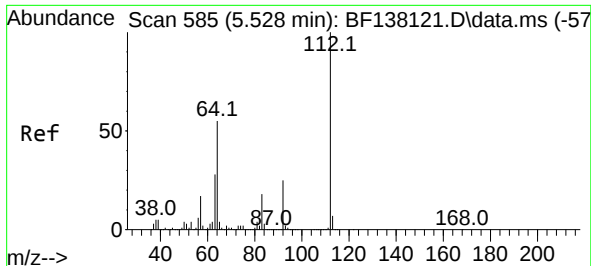
Tgt Ion: 79 Resp: 969938  
Ion Ratio Lower Upper  
79 100  
52 68.7 57.4 86.2  
51 34.3 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 42.666 ng  
RT: 3.540 min Scan# 247  
Delta R.T. 0.094 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 42 Resp: 595199  
Ion Ratio Lower Upper  
42 100  
74 132.6 100.0 150.0  
44 6.8 5.7 8.5

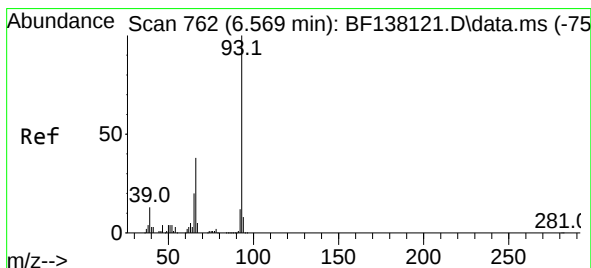
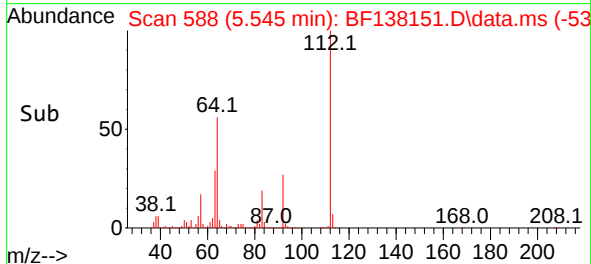
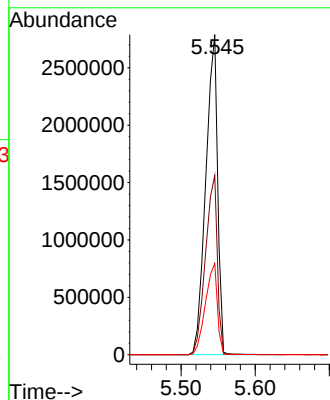
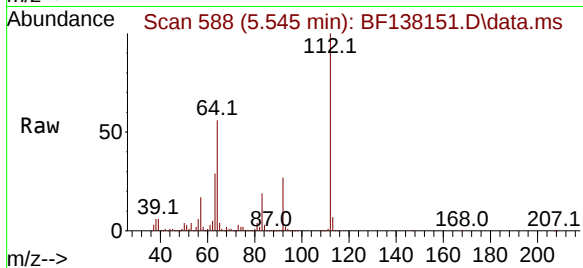




#5  
2-Fluorophenol  
Concen: 122.876 ng  
RT: 5.545 min Scan# 585  
Delta R.T. 0.018 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

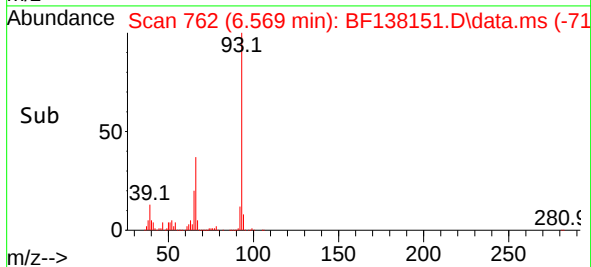
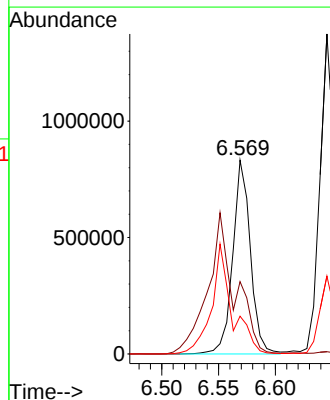
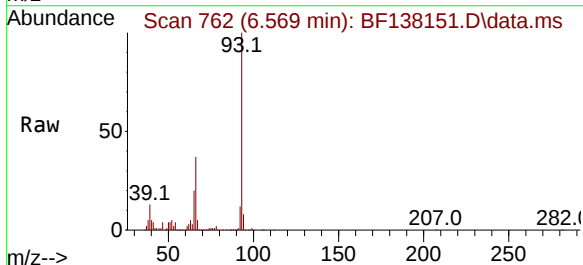
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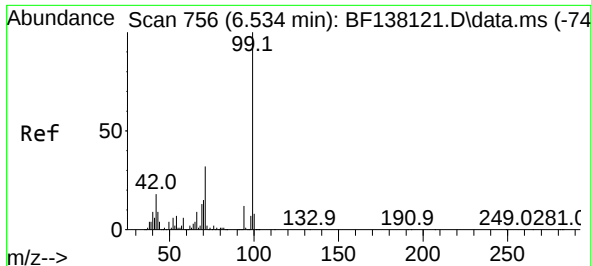
Tgt Ion:112 Resp: 3109119  
Ion Ratio Lower Upper  
112 100  
64 56.0 44.0 66.0  
63 28.5 22.1 33.1



#6  
Aniline  
Concen: 27.683 ng  
RT: 6.569 min Scan# 762  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
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Tgt Ion: 93 Resp: 898570  
Ion Ratio Lower Upper  
93 100  
66 37.3 30.9 46.3  
65 19.5 16.0 24.0





#7

Phenol-d6

Concen: 123.887 ng

RT: 6.539 min Scan# 757

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

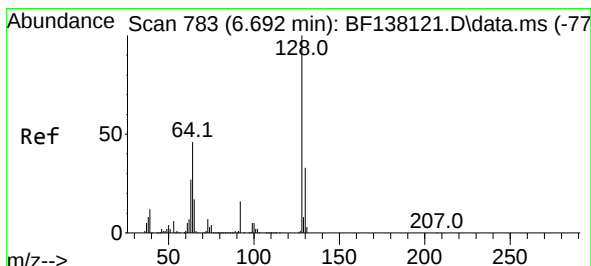
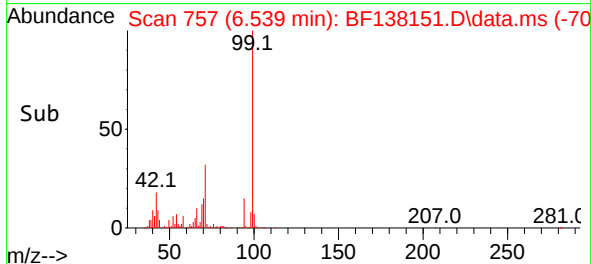
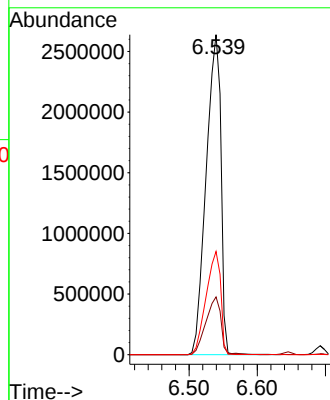
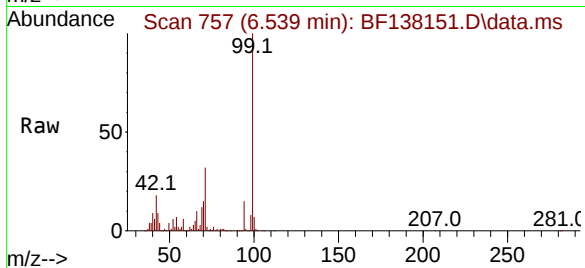
BNA\_F

ClientSampleId :

PB161334BS

Tgt Ion: 99 Resp: 3966129

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.1  | 14.4  | 21.6  |
| 71  | 32.2  | 25.5  | 38.3  |



#8

2-Chlorophenol

Concen: 47.440 ng

RT: 6.692 min Scan# 783

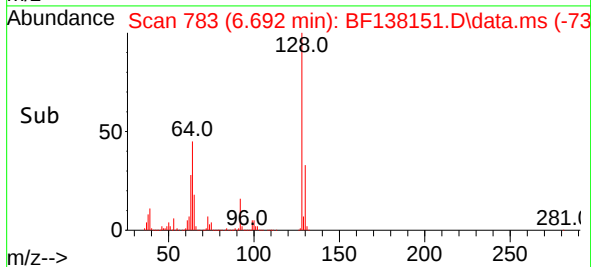
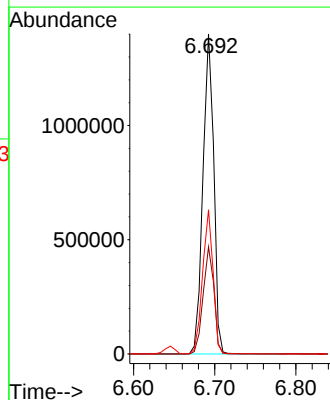
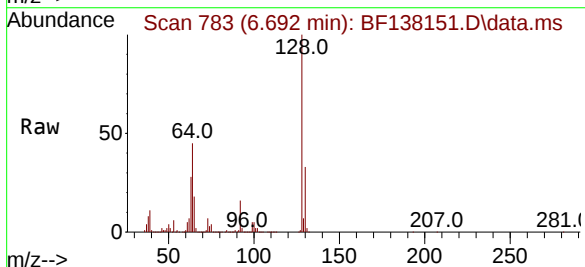
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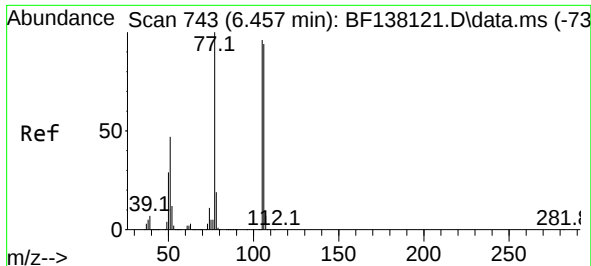
Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Tgt Ion:128 Resp: 1298638

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.4  | 12.9  | 52.9  |
| 64  | 45.1  | 26.6  | 66.6  |

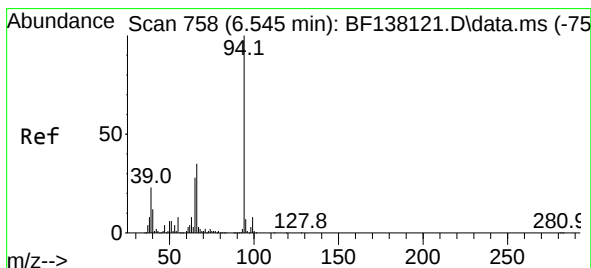
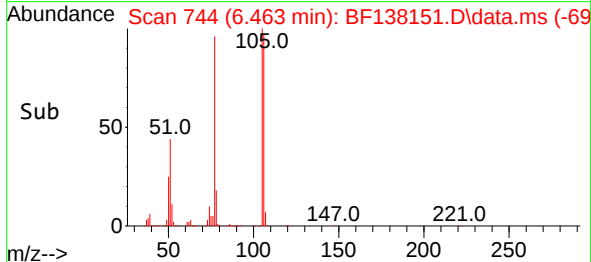
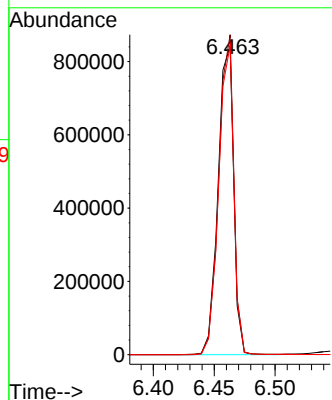
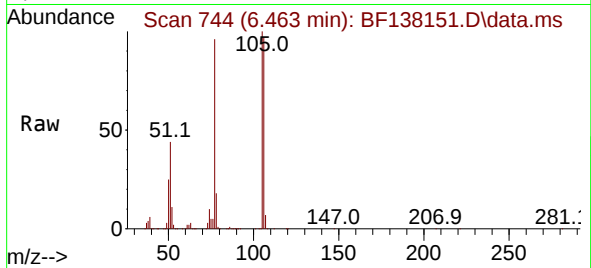




#9  
Benzaldehyde  
Concen: 50.414 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

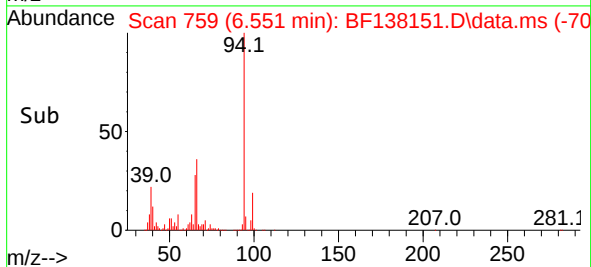
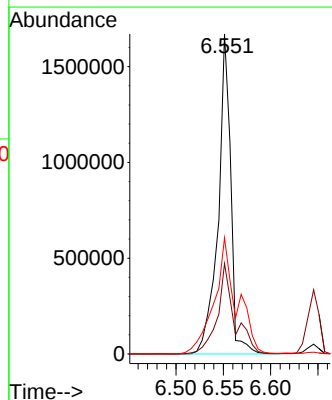
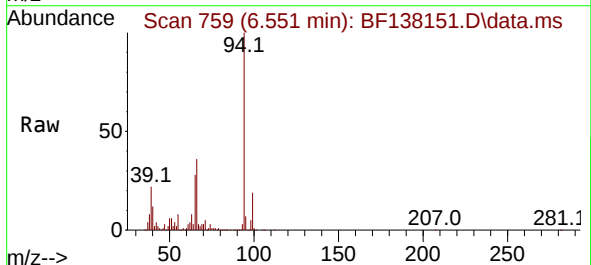
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

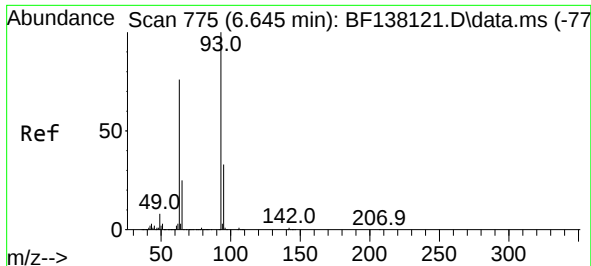
Tgt Ion: 77 Resp: 750799  
Ion Ratio Lower Upper  
77 100  
105 103.7 75.8 115.8  
106 100.2 73.9 113.9



#10  
Phenol  
Concen: 47.025 ng  
RT: 6.551 min Scan# 759  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 94 Resp: 1546723  
Ion Ratio Lower Upper  
94 100  
65 28.2 7.9 47.9  
66 36.3 15.5 55.5

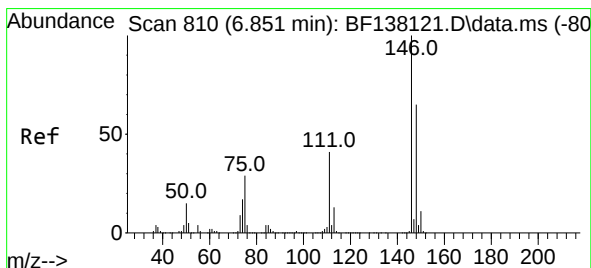
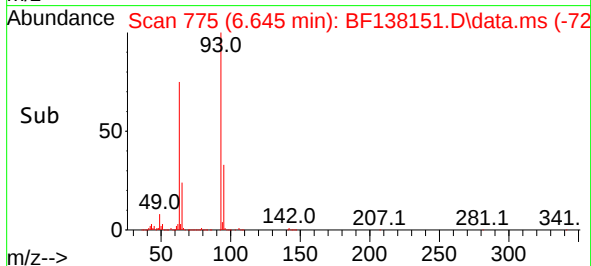
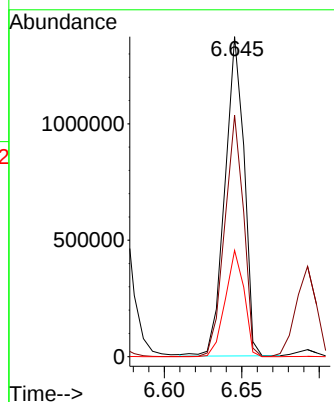
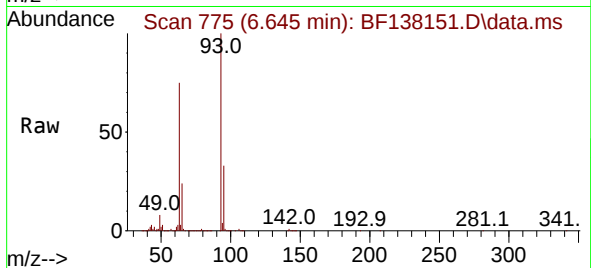




#11  
bis(2-Chloroethyl)ether  
Concen: 44.771 ng  
RT: 6.645 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

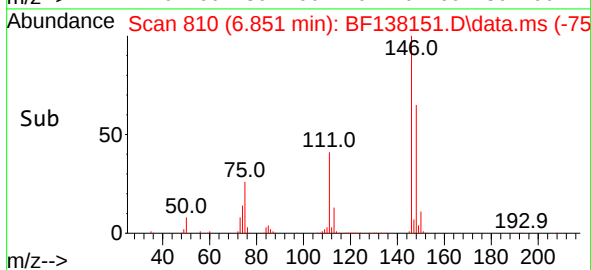
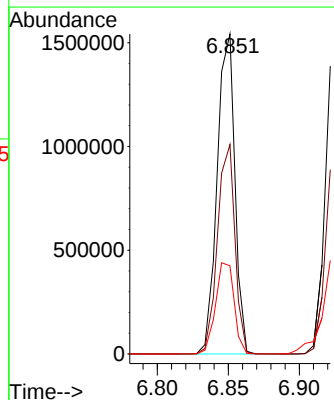
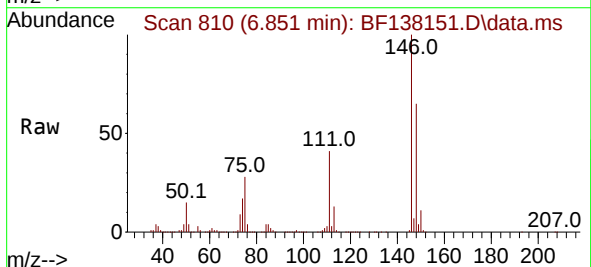
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

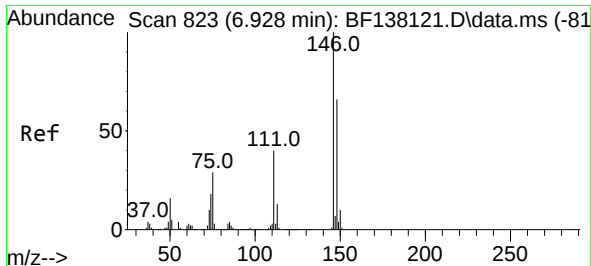
Tgt Ion: 93 Resp: 1180485  
Ion Ratio Lower Upper  
93 100  
63 75.4 55.3 95.3  
95 33.2 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 42.668 ng  
RT: 6.851 min Scan# 810  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:146 Resp: 1338264  
Ion Ratio Lower Upper  
146 100  
148 65.5 52.2 78.2  
75 27.5 23.0 34.6

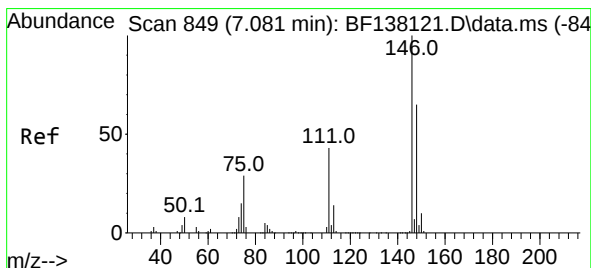
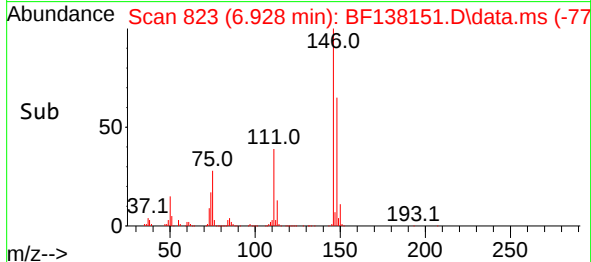
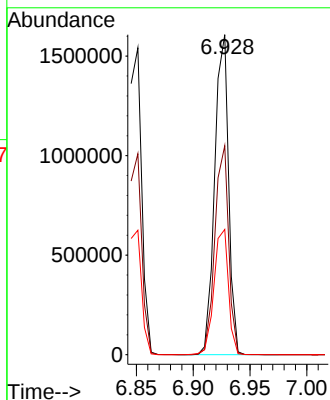
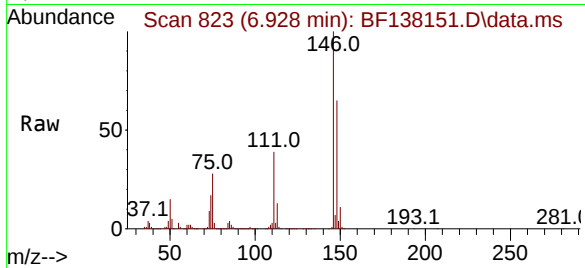




#13  
1,4-Dichlorobenzene  
Concen: 43.277 ng  
RT: 6.928 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

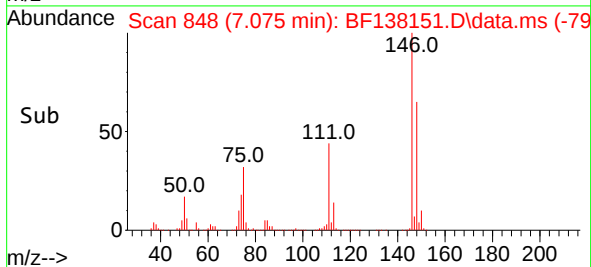
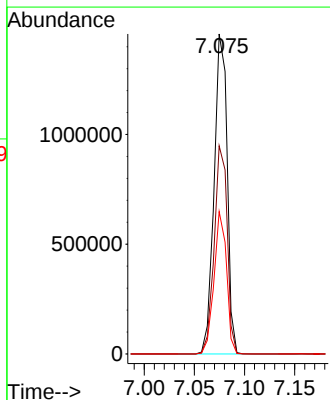
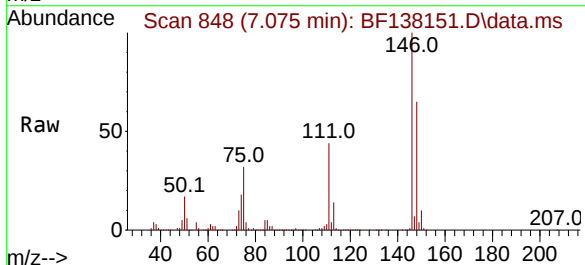
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

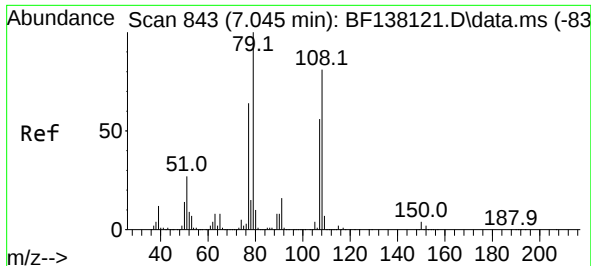
Tgt Ion:146 Resp: 1367043  
Ion Ratio Lower Upper  
146 100  
148 65.3 52.6 78.8  
111 39.2 31.9 47.9



#14  
1,2-Dichlorobenzene  
Concen: 44.413 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:146 Resp: 1316893  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.6 77.4  
111 44.5 34.3 51.5

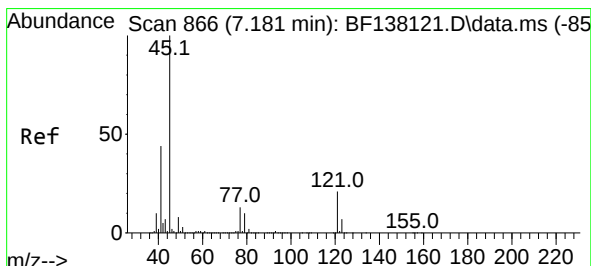
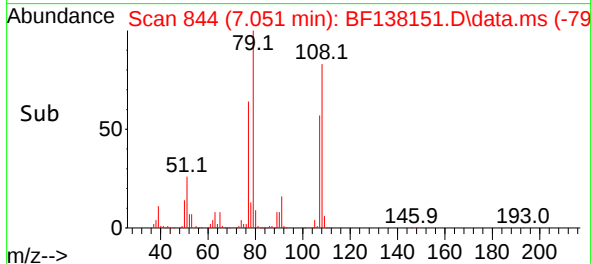
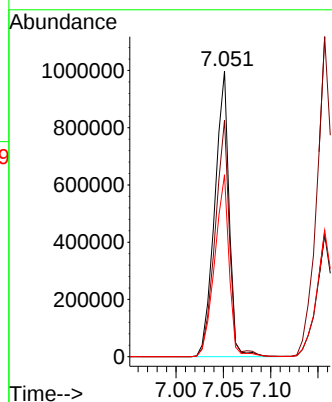
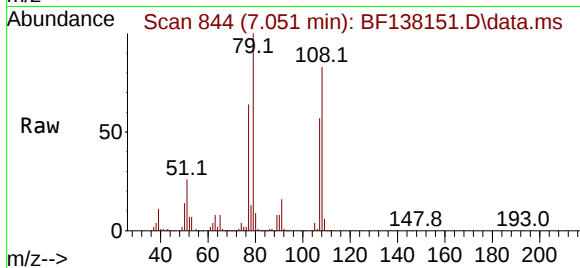




#15  
Benzyl Alcohol  
Concen: 46.553 ng  
RT: 7.051 min Scan# 843  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

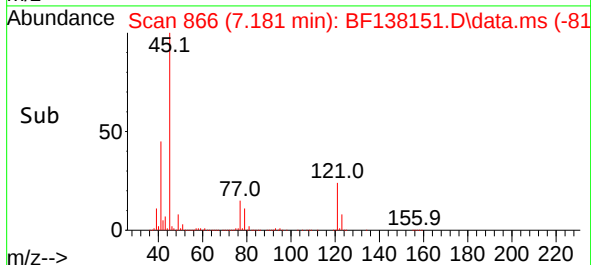
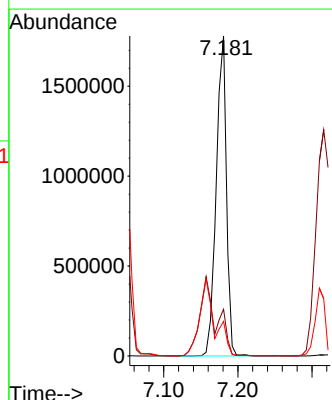
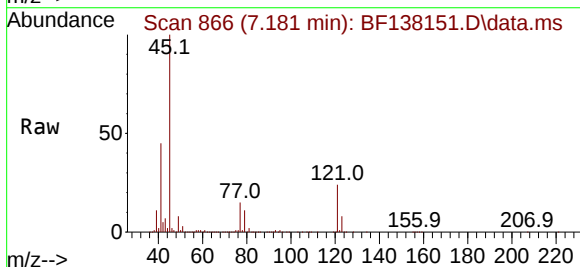
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

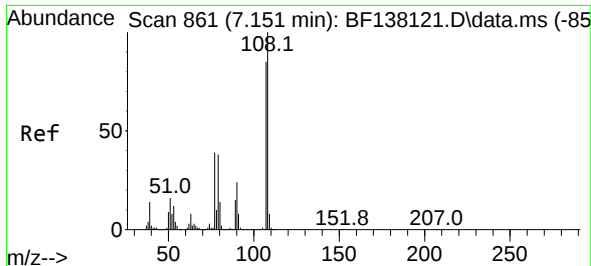
Tgt Ion: 79 Resp: 1054528  
Ion Ratio Lower Upper  
79 100  
108 82.9 64.5 96.7  
77 63.7 51.1 76.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.793 ng  
RT: 7.181 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 45 Resp: 1695179  
Ion Ratio Lower Upper  
45 100  
77 14.6 0.0 33.2  
79 10.8 0.0 29.9



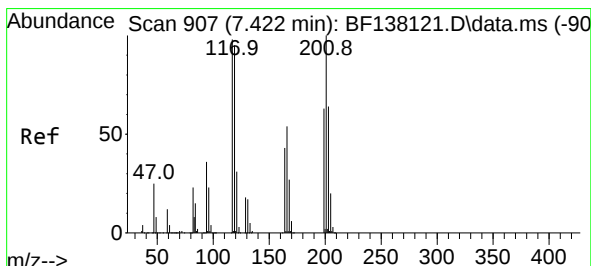
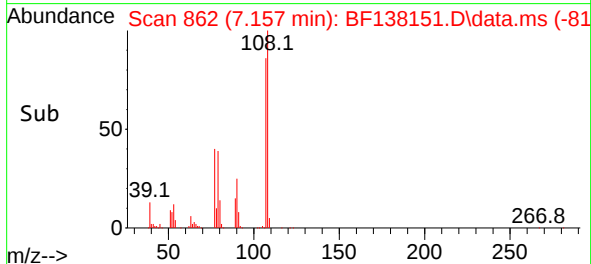
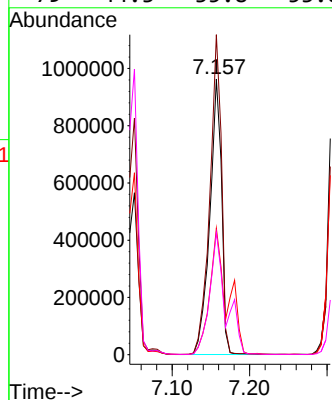
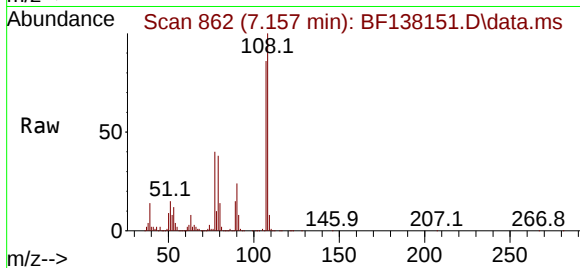


#17  
2-Methylphenol  
Concen: 45.952 ng  
RT: 7.157 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

Tgt Ion:107 Resp: 1018149

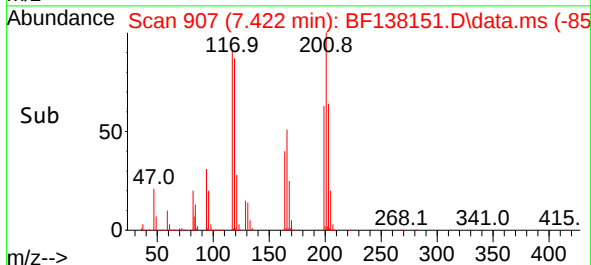
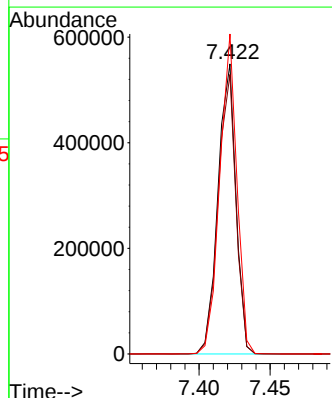
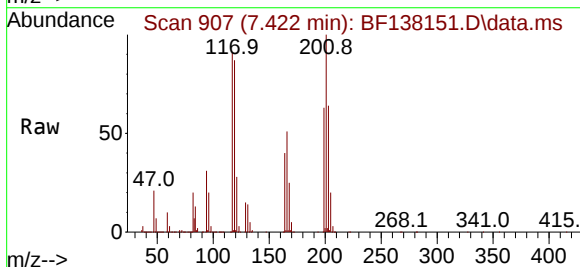
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 116.1 | 94.2  | 141.2 |
| 77  | 45.9  | 36.7  | 55.1  |
| 79  | 44.3  | 35.8  | 53.8  |

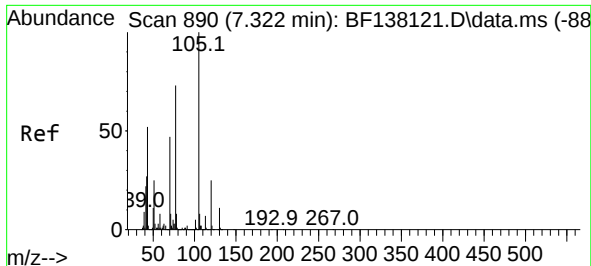


#18  
Hexachloroethane  
Concen: 44.727 ng  
RT: 7.422 min Scan# 907  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:117 Resp: 482217

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.4  | 77.7  | 116.5 |
| 201 | 110.3 | 81.7  | 122.5 |



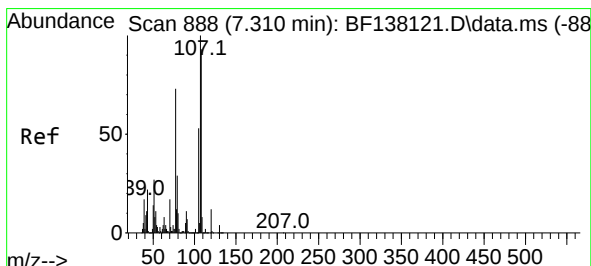
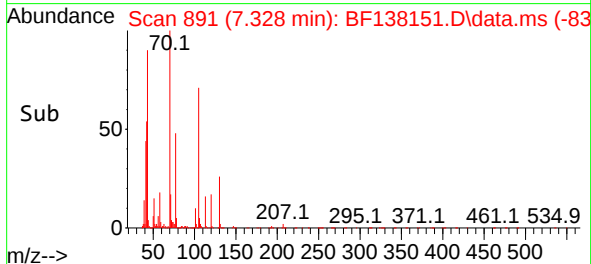
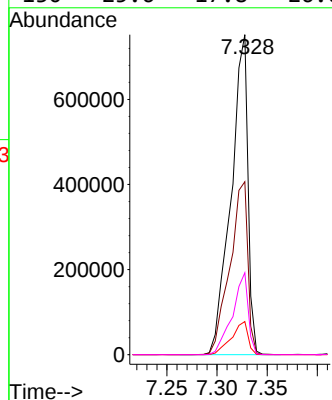
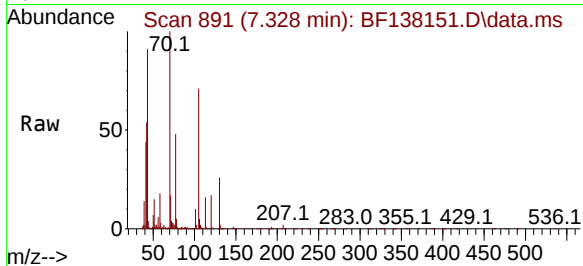


#19  
n-Nitroso-di-n-propylamine  
Concen: 43.104 ng  
RT: 7.328 min Scan# 890  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

Tgt Ion: 70 Resp: 879899

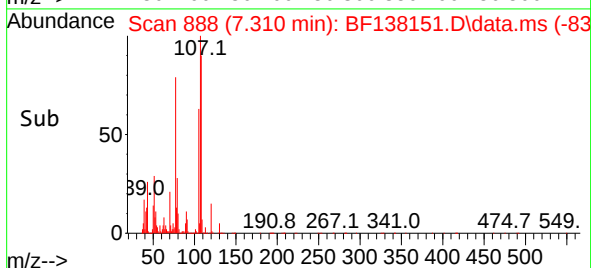
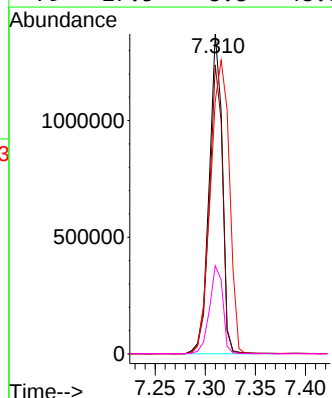
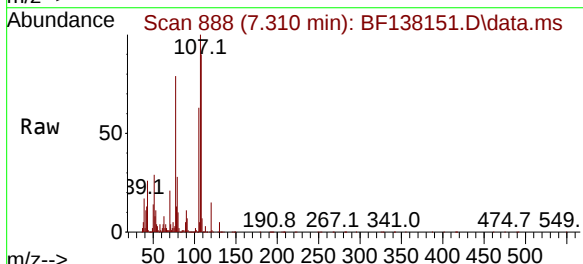
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 54.0  | 46.3  | 69.5  |
| 101 | 10.3  | 7.7   | 11.5  |
| 130 | 25.6  | 17.8  | 26.6  |

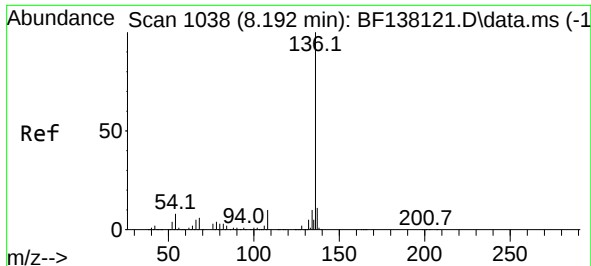


#20  
3+4-Methylphenols  
Concen: 45.568 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 107 Resp: 1256329

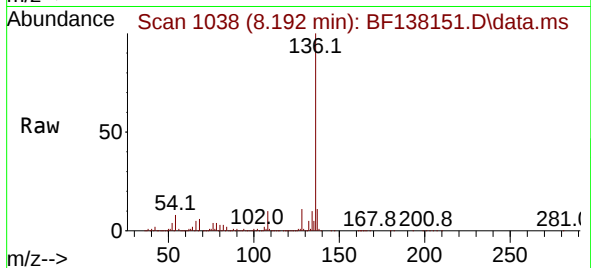
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 90.3  | 73.0  | 113.0 |
| 77  | 79.1  | 53.2  | 93.2  |
| 79  | 27.5  | 8.8   | 48.8  |





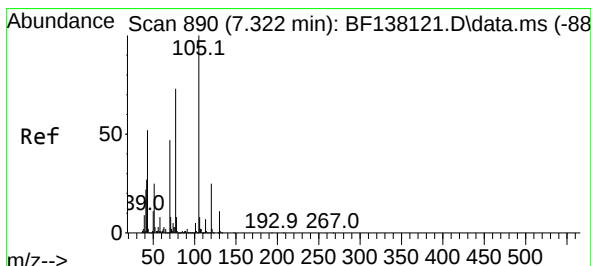
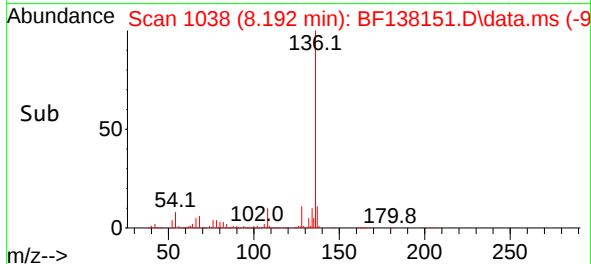
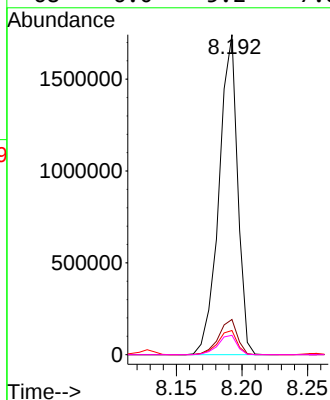
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS



Tgt Ion:136 Resp: 1719569

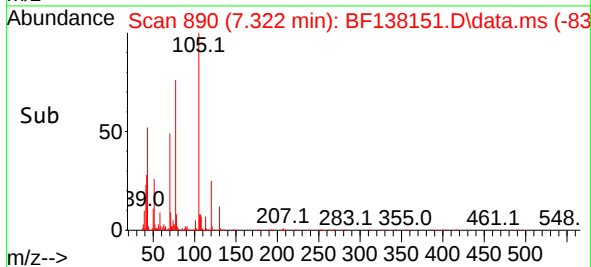
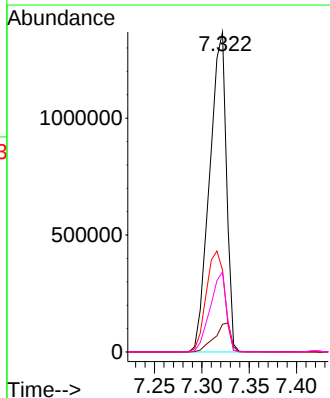
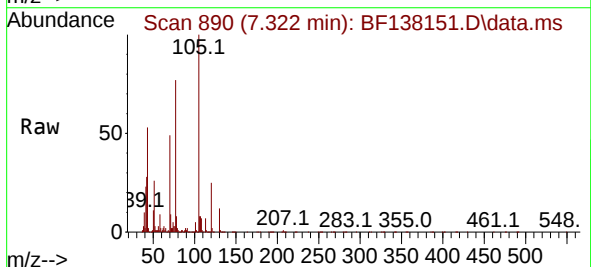
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 9.1   | 13.7  |
| 54  | 7.5   | 6.2   | 9.2   |
| 68  | 6.0   | 5.2   | 7.8   |

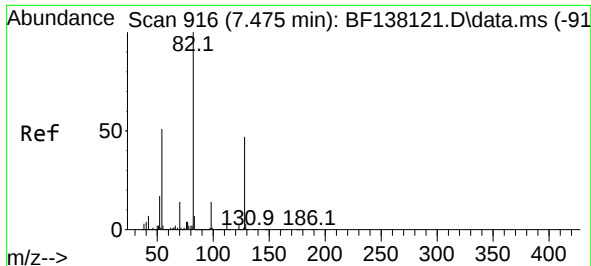


#22  
Acetophenone  
Concen: 42.621 ng  
RT: 7.322 min Scan# 890  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:105 Resp: 1687236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.6   | 6.3   | 9.5   |
| 51  | 25.6  | 19.8  | 29.6  |
| 120 | 25.0  | 19.8  | 29.6  |

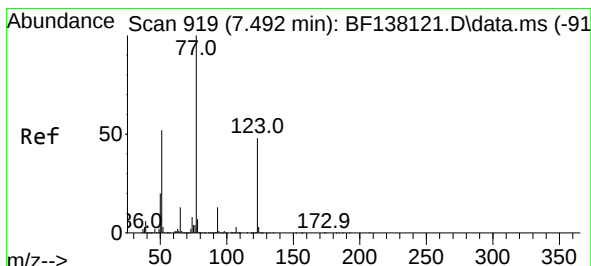
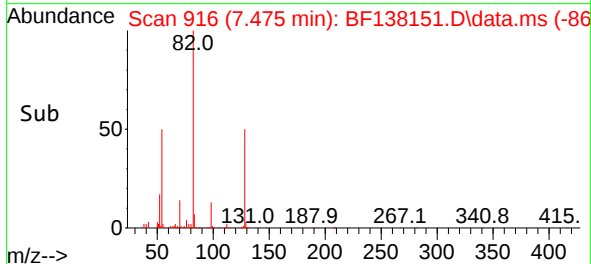
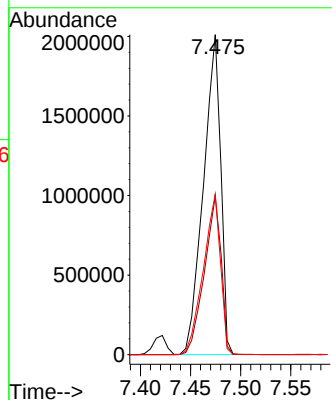
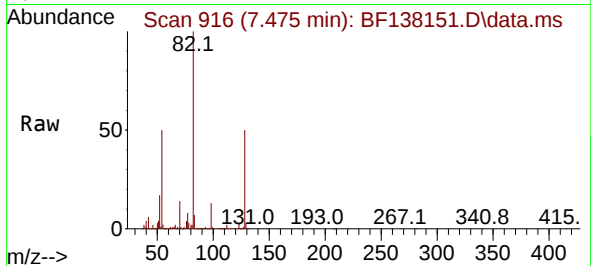




#23  
Nitrobenzene-d5  
Concen: 95.675 ng  
RT: 7.475 min Scan# 916  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

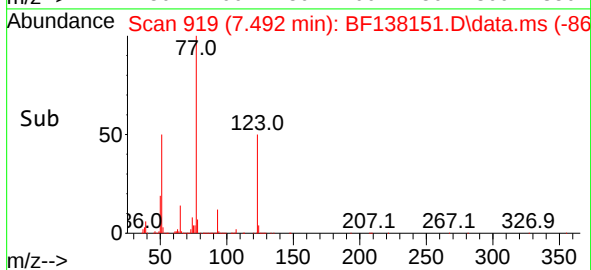
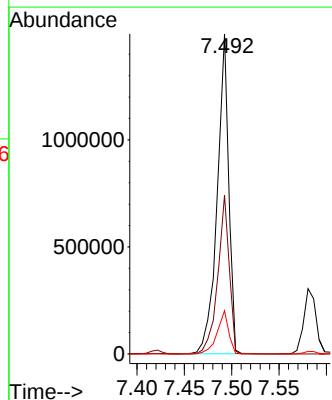
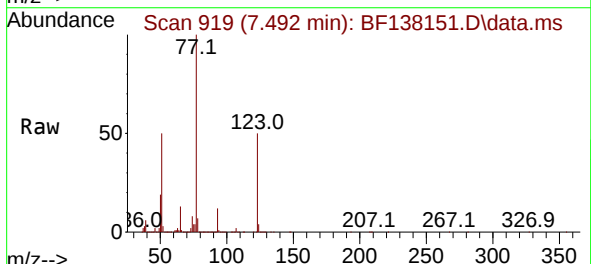
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

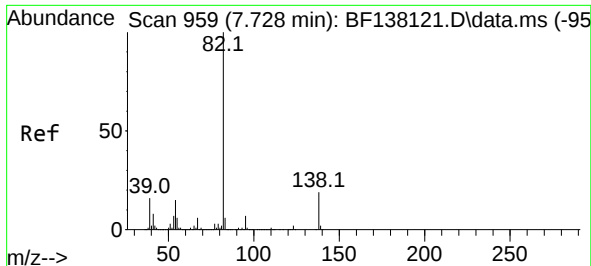
Tgt Ion: 82 Resp: 2418079  
Ion Ratio Lower Upper  
82 100  
128 49.6 37.7 56.5  
54 50.2 40.8 61.2



#24  
Nitrobenzene  
Concen: 46.195 ng  
RT: 7.492 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 77 Resp: 1271860  
Ion Ratio Lower Upper  
77 100  
123 49.7 38.2 57.2  
65 13.5 10.7 16.1

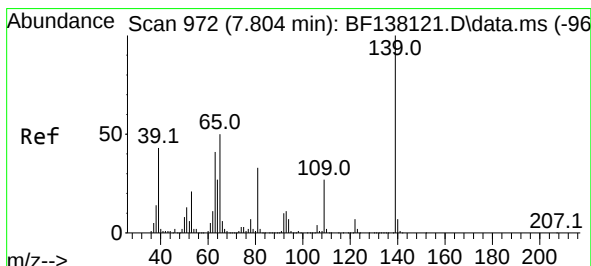
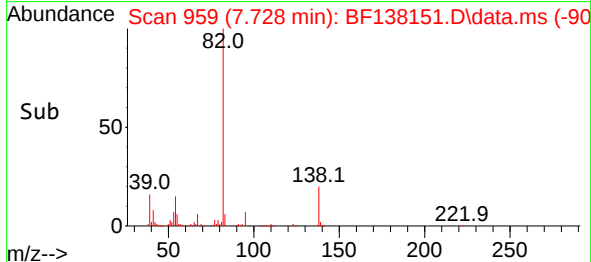
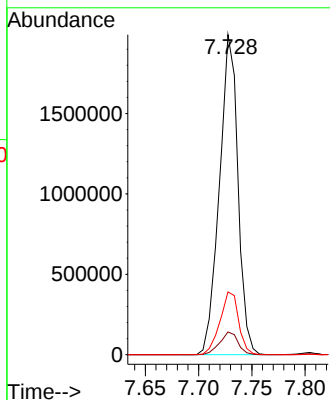
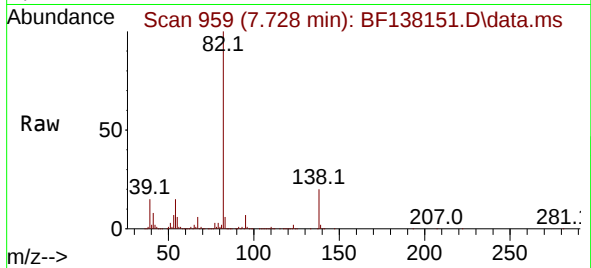




#25  
Isophorone  
Concen: 43.106 ng  
RT: 7.728 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

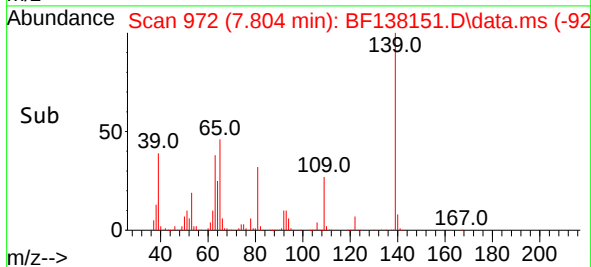
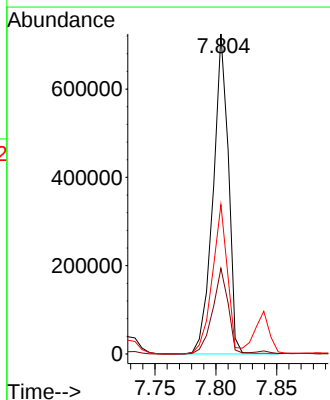
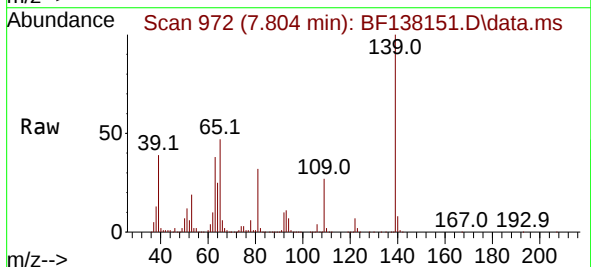
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

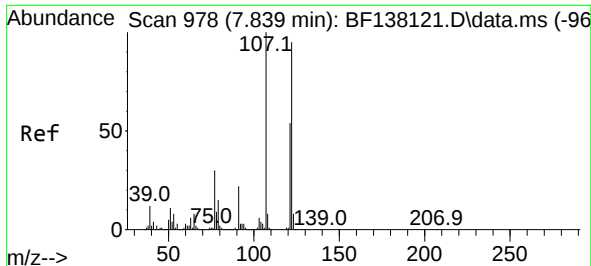
Tgt Ion: 82 Resp: 2400121  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.6 8.4  
138 19.6 15.5 23.3



#26  
2-Nitrophenol  
Concen: 52.982 ng  
RT: 7.804 min Scan# 972  
Delta R.T. 0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:139 Resp: 631960  
Ion Ratio Lower Upper  
139 100  
109 26.8 21.8 32.6  
65 46.7 40.1 60.1

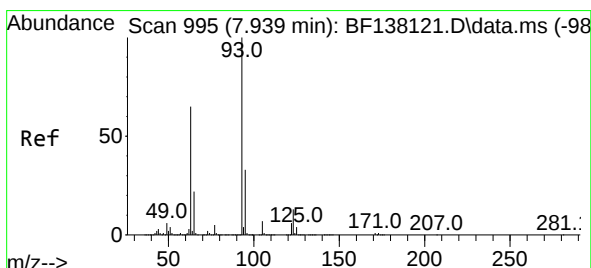
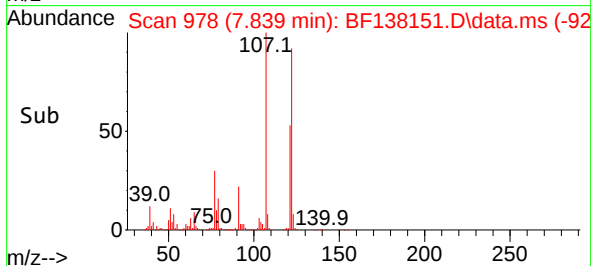
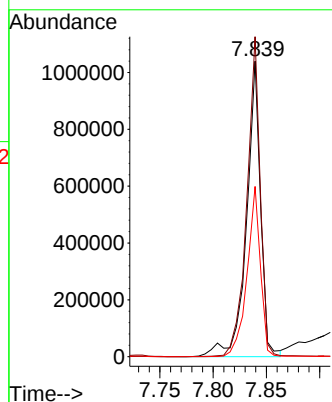
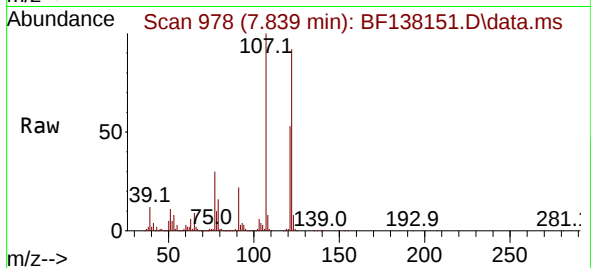




#27  
2,4-Dimethylphenol  
Concen: 49.518 ng  
RT: 7.839 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

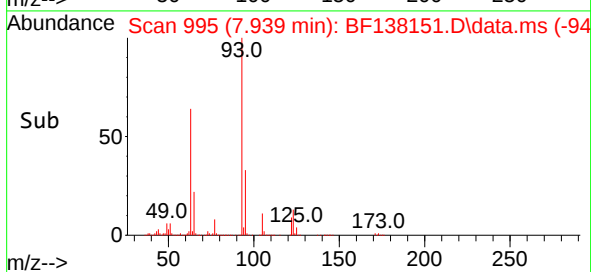
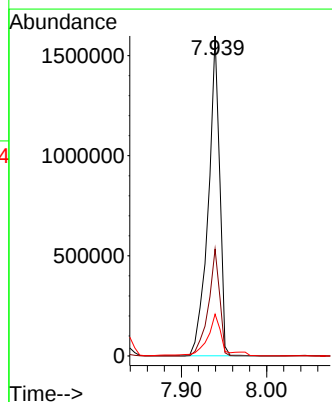
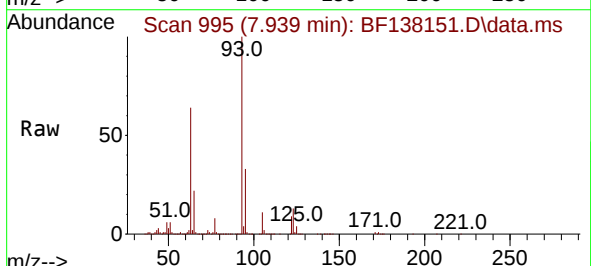
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

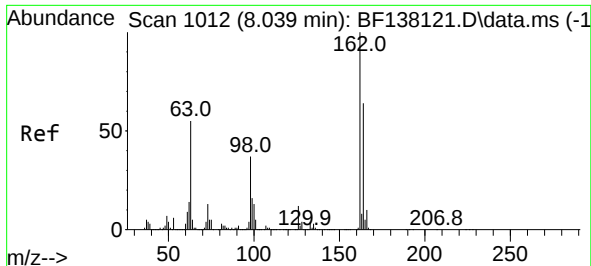
Tgt Ion:122 Resp: 957705  
Ion Ratio Lower Upper  
122 100  
107 108.3 84.2 126.2  
121 57.6 45.4 68.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.609 ng  
RT: 7.939 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 93 Resp: 1479040  
Ion Ratio Lower Upper  
93 100  
95 33.4 26.6 39.8  
123 13.1 10.2 15.2





#29

2,4-Dichlorophenol

Concen: 47.978 ng

RT: 8.045 min Scan# 1013

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

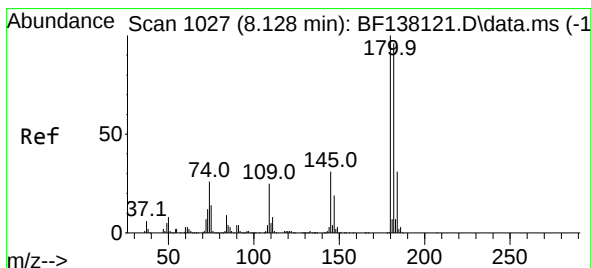
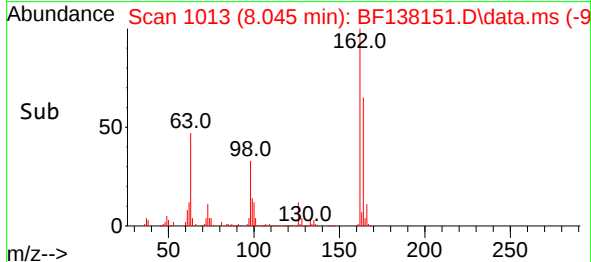
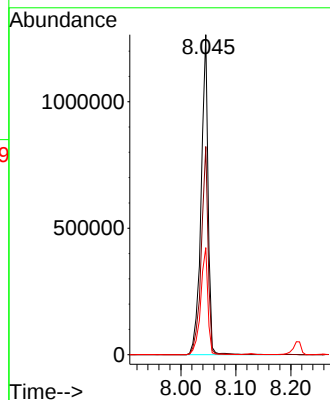
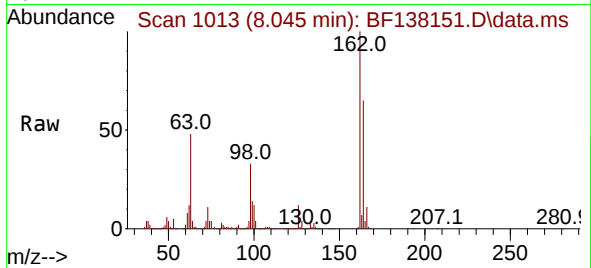
Tgt Ion:162 Resp: 1118371

Ion Ratio Lower Upper

162 100

164 65.1 44.1 84.1

98 33.4 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 43.285 ng

RT: 8.128 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

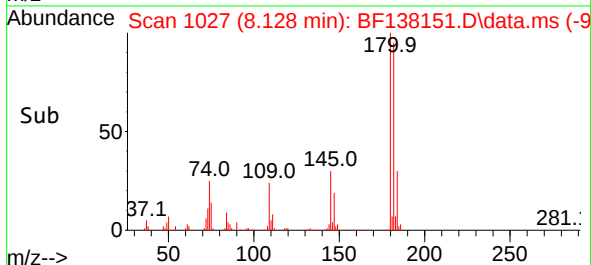
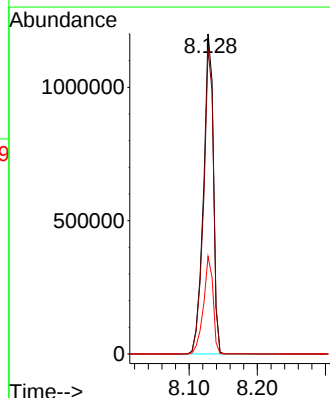
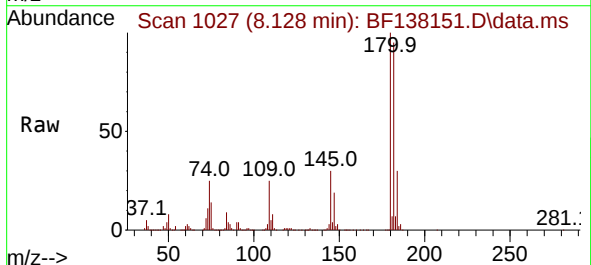
Tgt Ion:180 Resp: 1217434

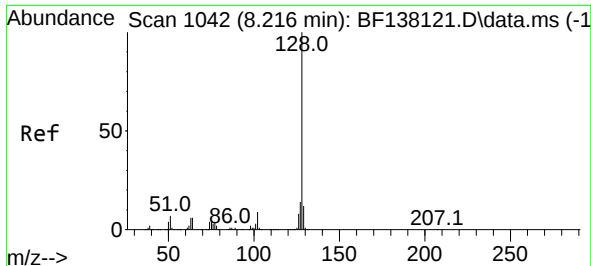
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 30.4 24.8 37.2

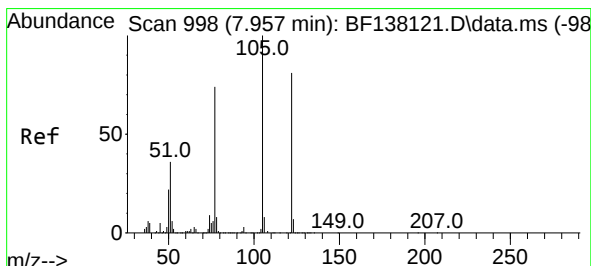
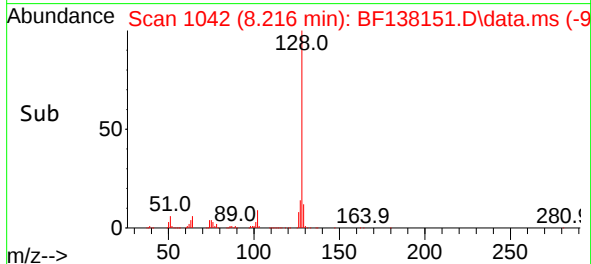
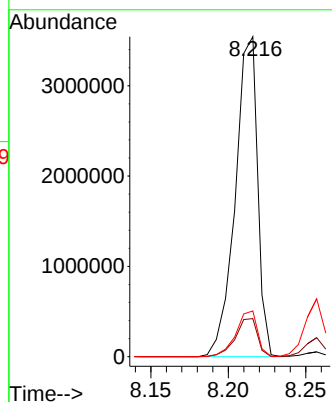
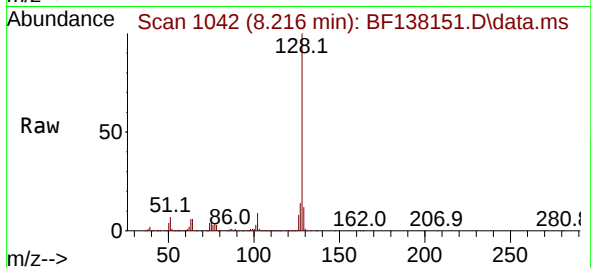




#31  
Naphthalene  
Concen: 42.772 ng  
RT: 8.216 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

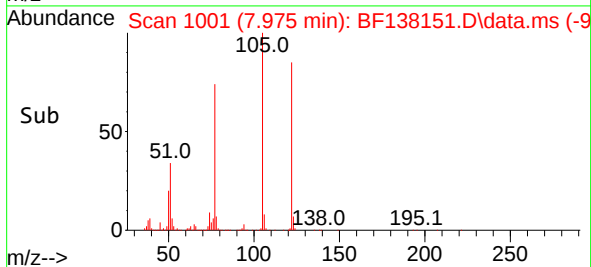
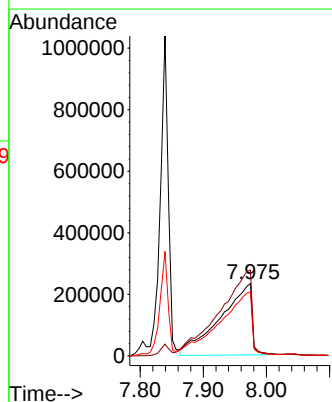
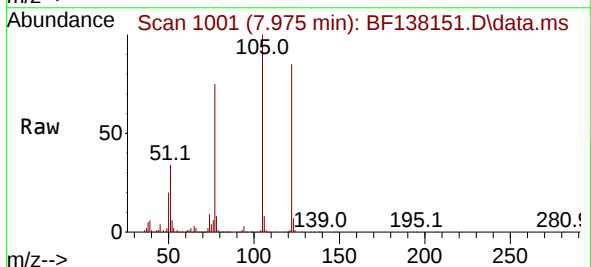
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

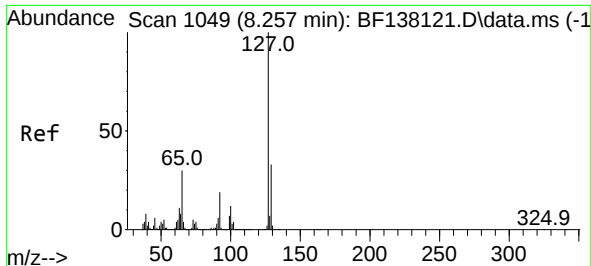
Tgt Ion:128 Resp: 3557422  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.4 14.0  
127 14.3 11.2 16.8



#32  
Benzoic acid  
Concen: 52.682 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. 0.018 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:122 Resp: 809502  
Ion Ratio Lower Upper  
122 100  
105 118.3 102.8 142.8  
77 88.4 71.2 111.2





#33

4-Chloroaniline

Concen: 18.521 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

Tgt Ion:127 Resp: 578950

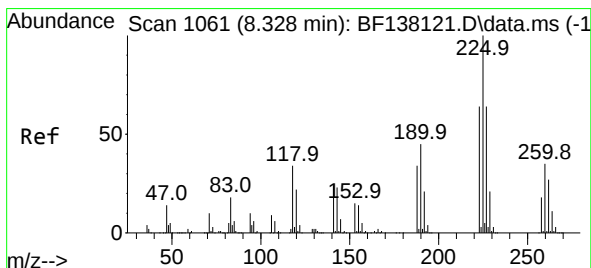
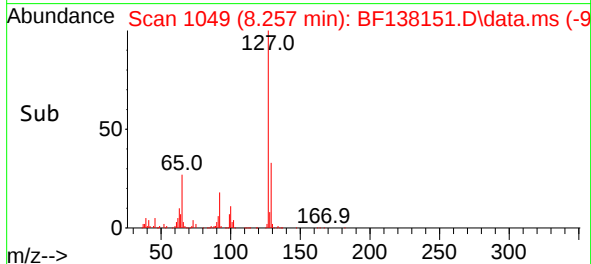
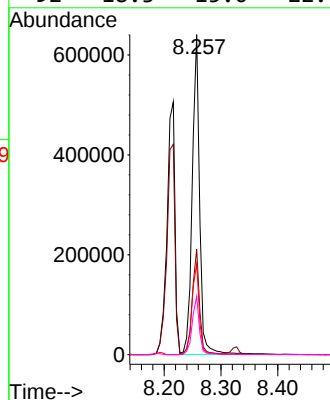
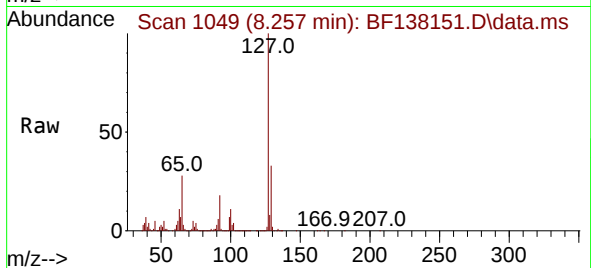
Ion Ratio Lower Upper

127 100

129 33.0 26.5 39.7

65 28.4 24.0 36.0

92 18.3 15.0 22.6



#34

Hexachlorobutadiene

Concen: 42.176 ng

RT: 8.328 min Scan# 1061

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

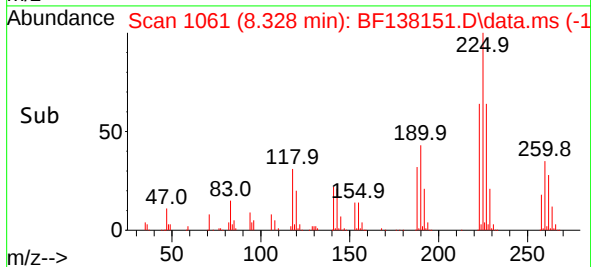
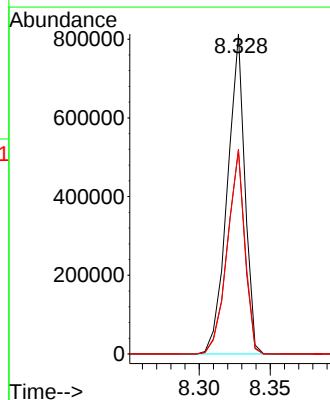
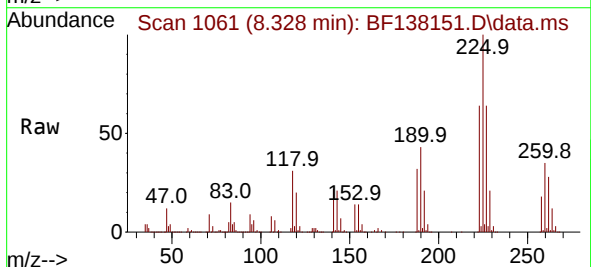
Tgt Ion:225 Resp: 697083

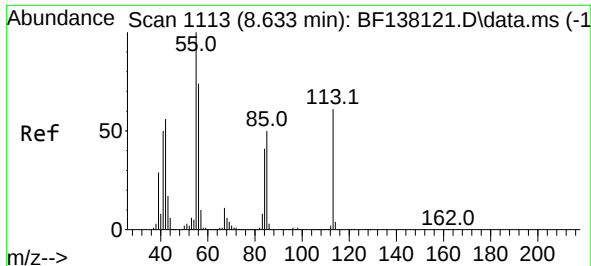
Ion Ratio Lower Upper

225 100

223 63.6 50.9 76.3

227 64.0 51.2 76.8

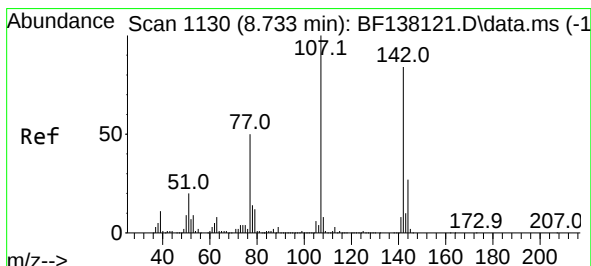
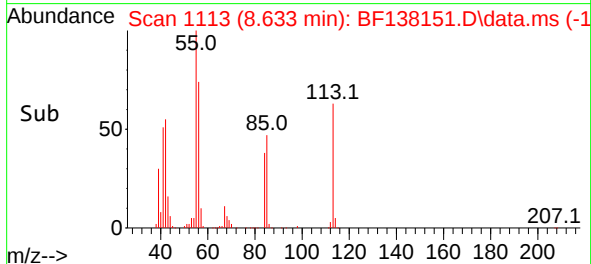
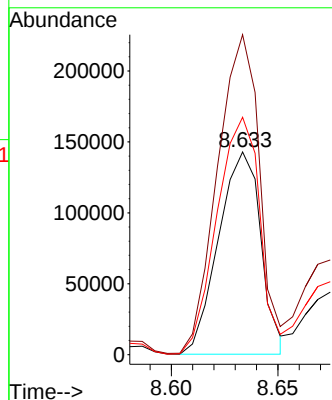
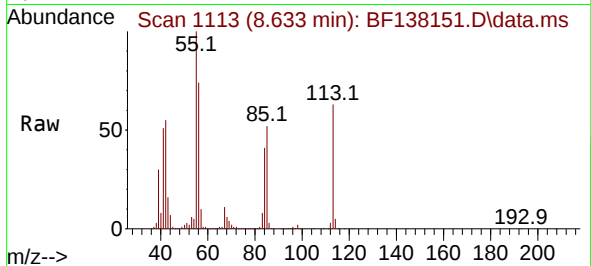




#35  
Caprolactam  
Concen: 25.281 ng  
RT: 8.633 min Scan# 1113  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

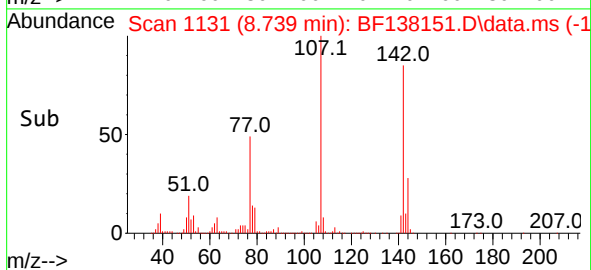
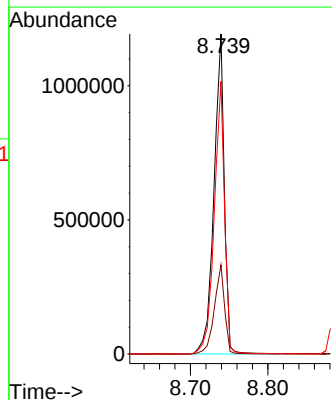
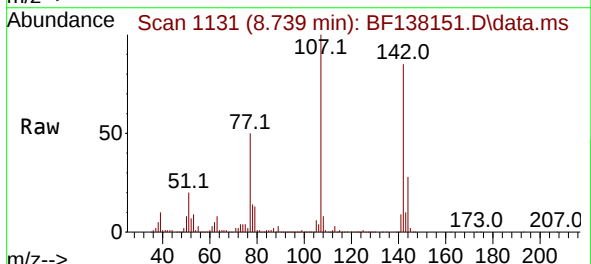
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

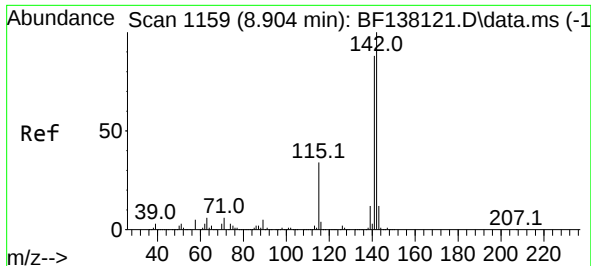
Tgt Ion:113 Resp: 196779  
Ion Ratio Lower Upper  
113 100  
55 157.8 144.5 184.5  
56 117.1 102.0 142.0



#36  
4-Chloro-3-methylphenol  
Concen: 46.378 ng  
RT: 8.739 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:107 Resp: 1107842  
Ion Ratio Lower Upper  
107 100  
144 27.8 21.7 32.5  
142 85.2 67.0 100.4

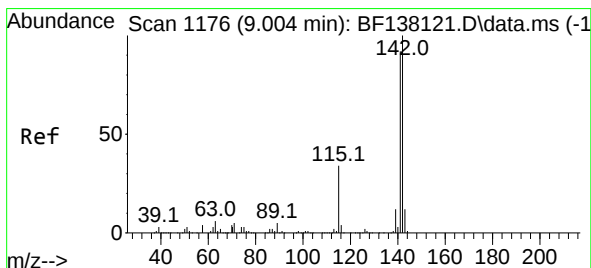
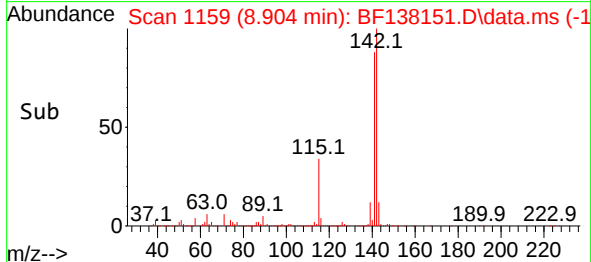
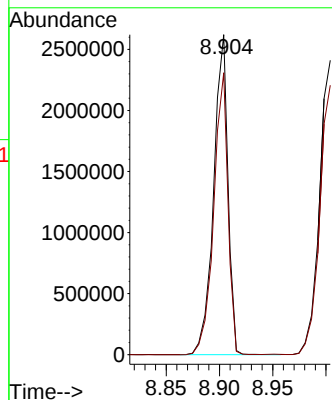
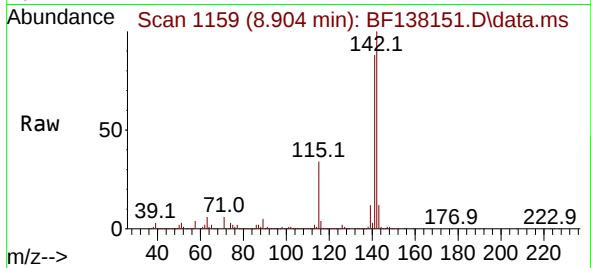




#37  
2-Methylnaphthalene  
Concen: 43.554 ng  
RT: 8.904 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

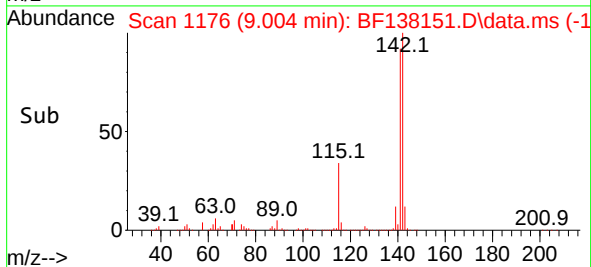
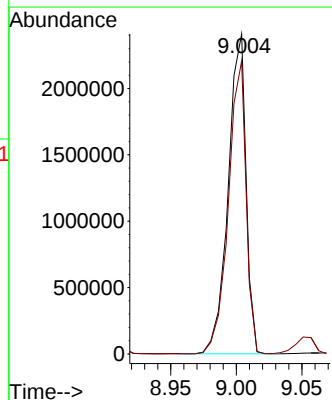
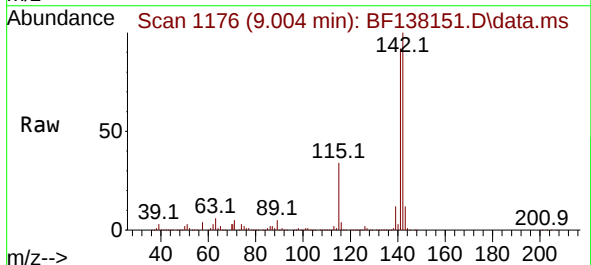
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

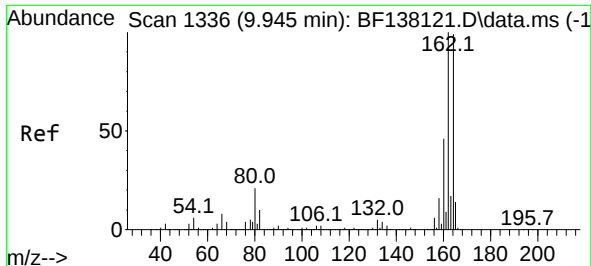
Tgt Ion:142 Resp: 2442017  
Ion Ratio Lower Upper  
142 100  
141 88.1 70.5 105.7



#38  
1-Methylnaphthalene  
Concen: 41.566 ng  
RT: 9.004 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

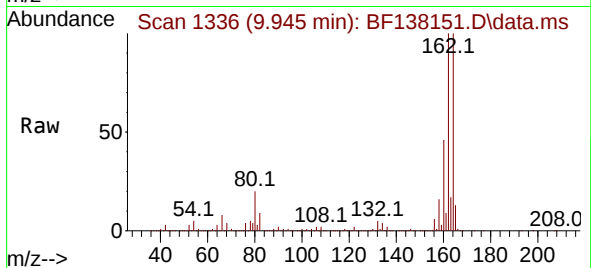
Tgt Ion:142 Resp: 2281892  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.3 109.9



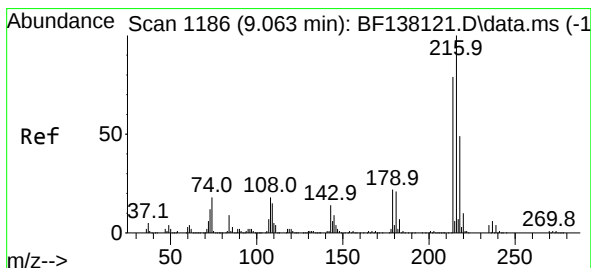
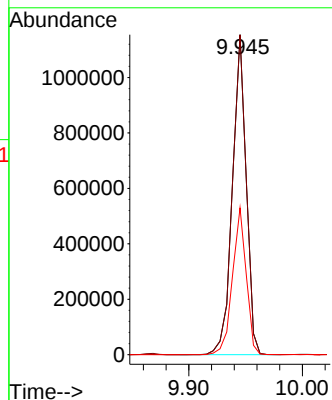
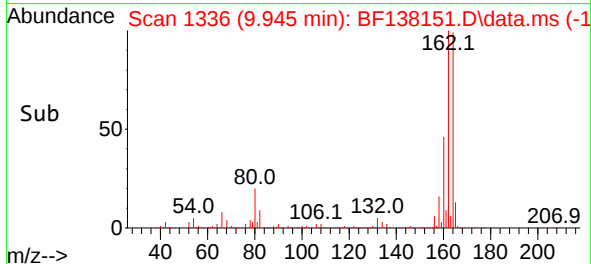


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.945 min Scan# 1187  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

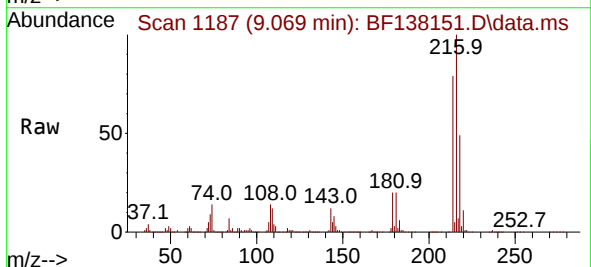
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS



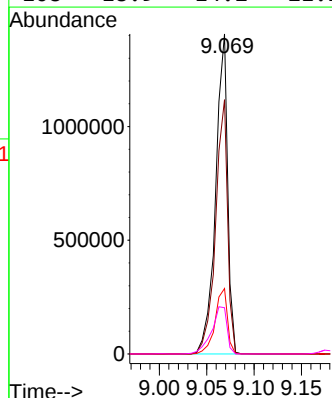
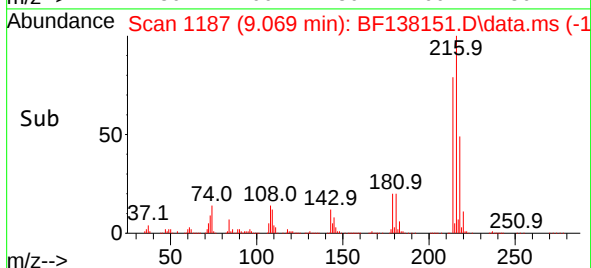
Tgt Ion:164 Resp: 972684  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.9 121.3  
160 45.9 37.0 55.6

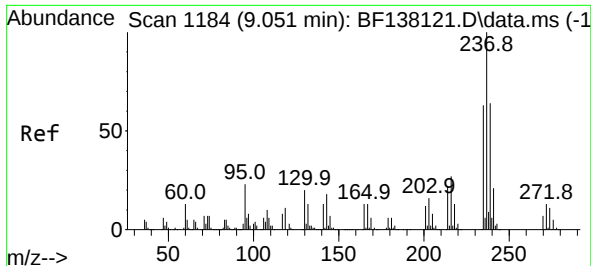


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.198 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35



Tgt Ion:216 Resp: 1241205  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.3 94.9  
179 21.1 16.9 25.3  
108 18.9 14.2 21.2

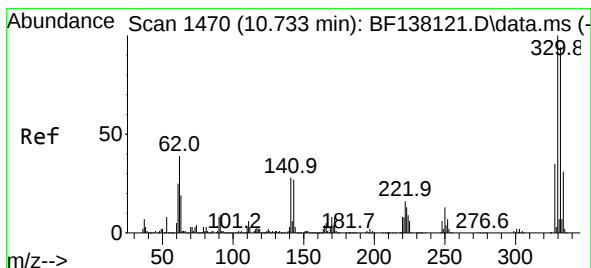
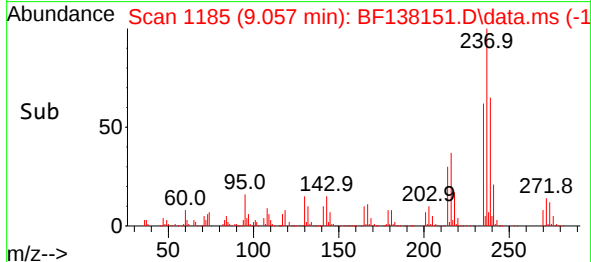
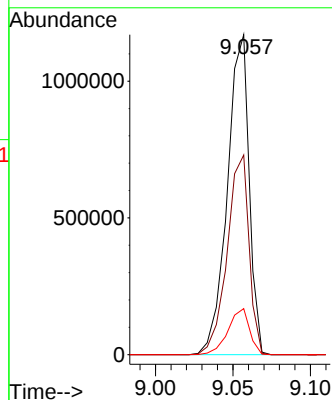
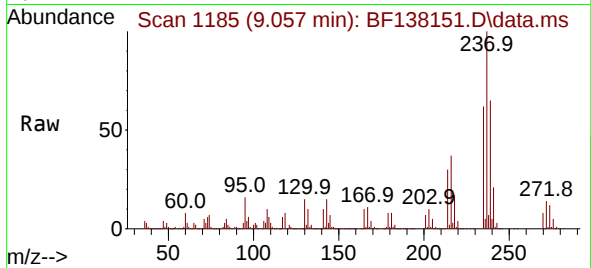




#41  
Hexachlorocyclopentadiene  
Concen: 126.139 ng  
RT: 9.057 min Scan# 1184  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

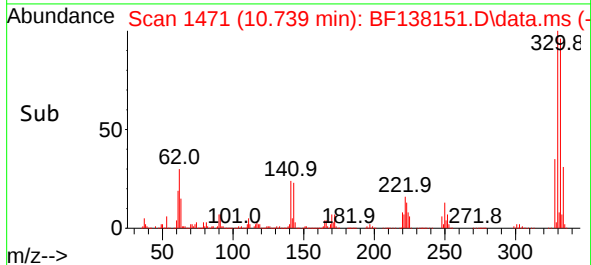
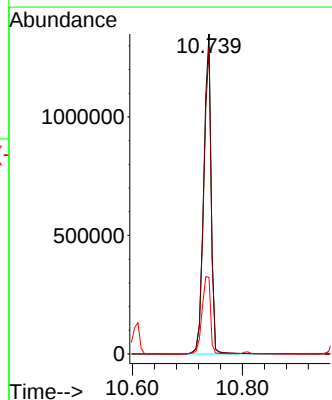
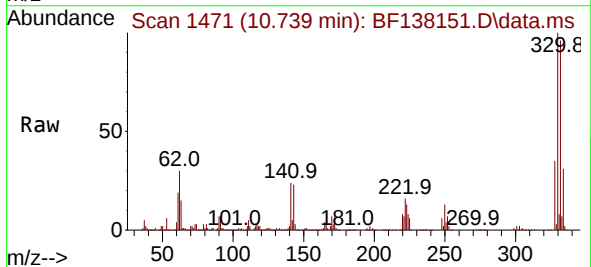
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

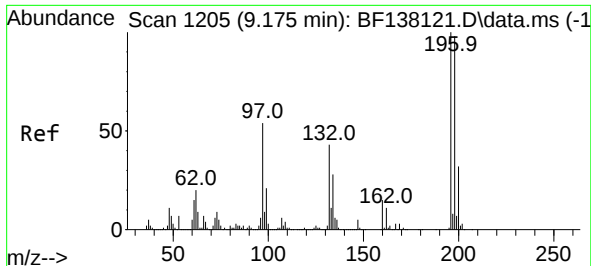
Tgt Ion:237 Resp: 1143526  
Ion Ratio Lower Upper  
237 100  
235 62.4 43.4 83.4  
272 14.4 0.0 33.3



#42  
2,4,6-Tribromophenol  
Concen: 135.319 ng  
RT: 10.739 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:330 Resp: 1266699  
Ion Ratio Lower Upper  
330 100  
332 96.0 75.8 113.8  
141 27.5 23.2 34.8

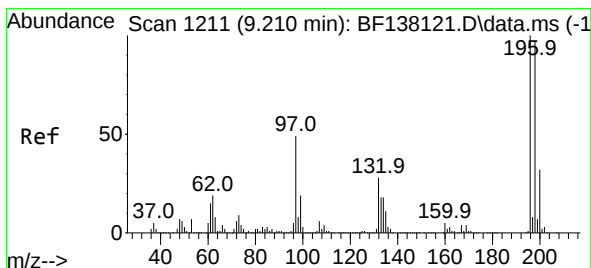
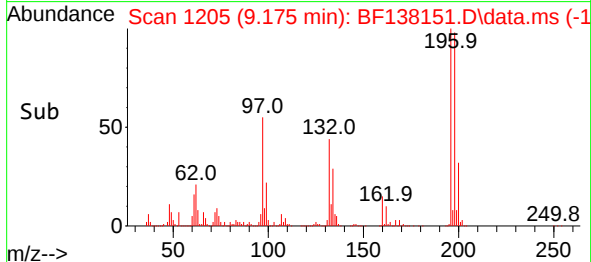
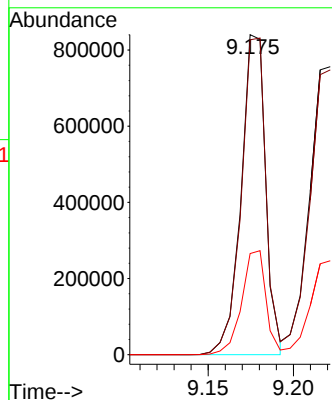
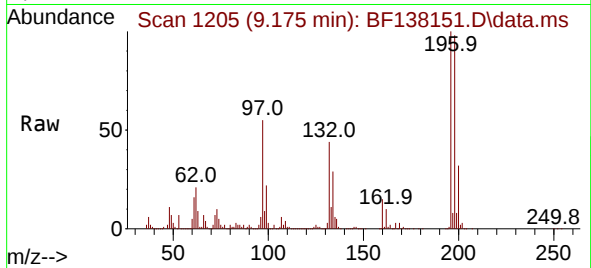




#43  
2,4,6-Trichlorophenol  
Concen: 50.582 ng  
RT: 9.175 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

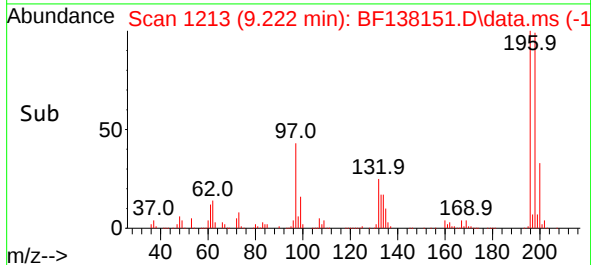
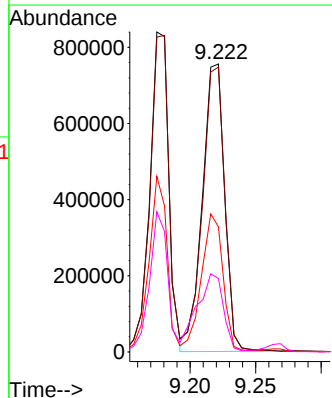
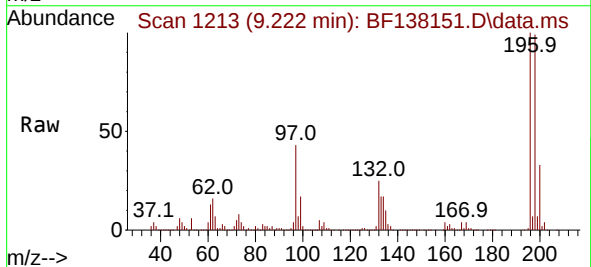
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

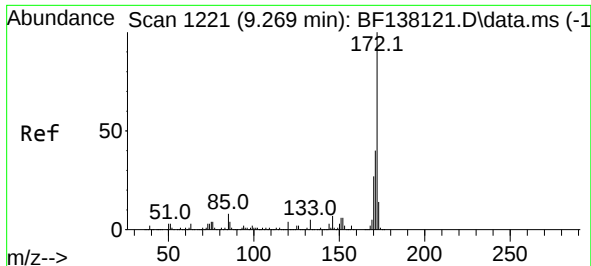
Tgt Ion:196 Resp: 843370  
Ion Ratio Lower Upper  
196 100  
198 98.4 78.5 117.7  
200 31.6 25.4 38.0



#44  
2,4,5-Trichlorophenol  
Concen: 48.745 ng  
RT: 9.222 min Scan# 1213  
Delta R.T. 0.012 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:196 Resp: 895569  
Ion Ratio Lower Upper  
196 100  
198 98.9 77.4 116.0  
97 43.4 39.5 59.3  
132 25.5 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 82.394 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

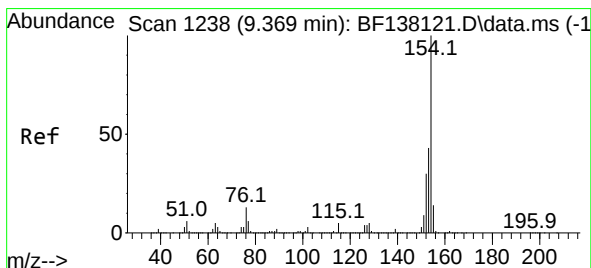
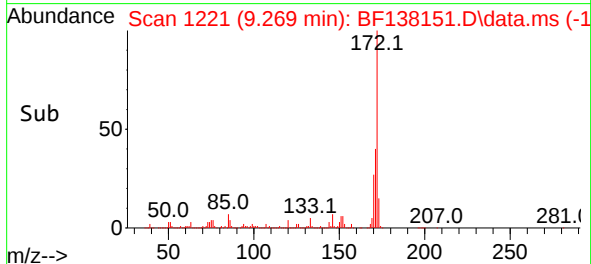
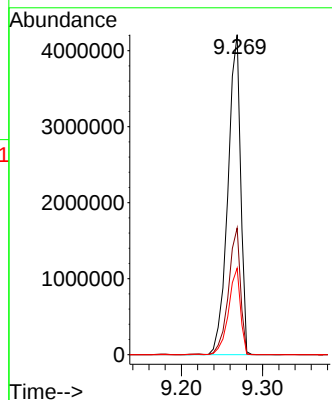
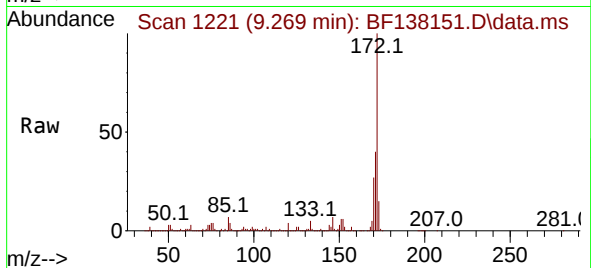
BNA\_F

ClientSampleId :

PB161334BS

Tgt Ion:172 Resp: 4583422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.6  | 31.6  | 47.4  |
| 170 | 27.1  | 21.4  | 32.2  |



#46

1,1'-Biphenyl

Concen: 43.794 ng

RT: 9.369 min Scan# 1238

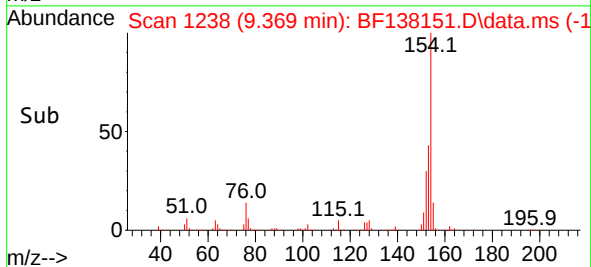
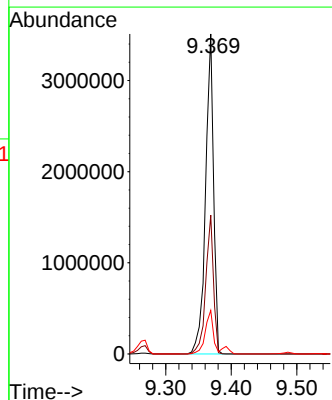
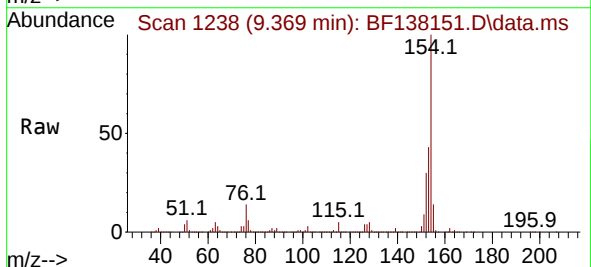
Delta R.T. -0.000 min

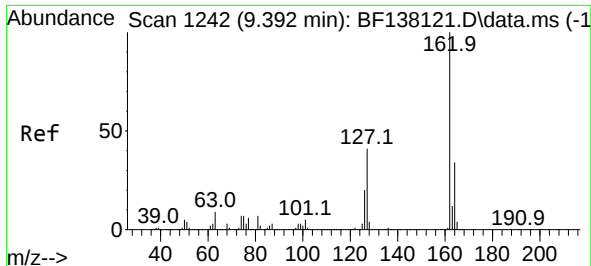
Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Tgt Ion:154 Resp: 2992167

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 43.4  | 22.7  | 62.7  |
| 76  | 13.6  | 0.0   | 33.3  |



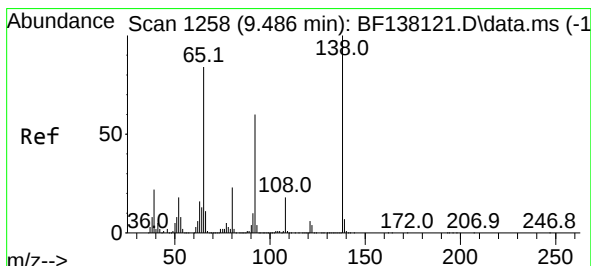
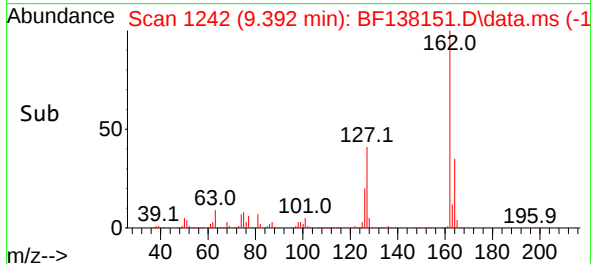
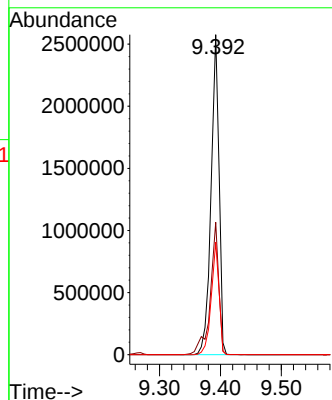
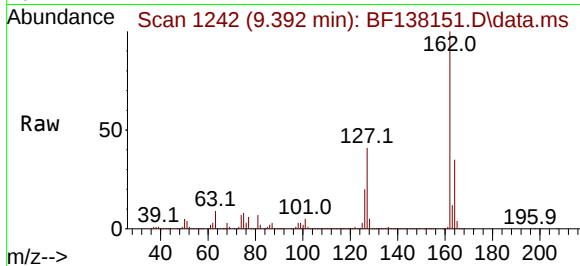


#47  
2-Chloronaphthalene  
Concen: 43.438 ng  
RT: 9.392 min Scan# 1242  
Delta R.T. 0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

Tgt Ion:162 Resp: 2365188

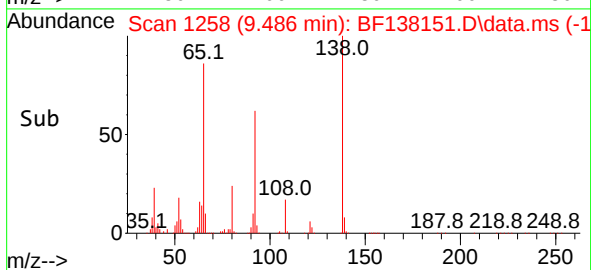
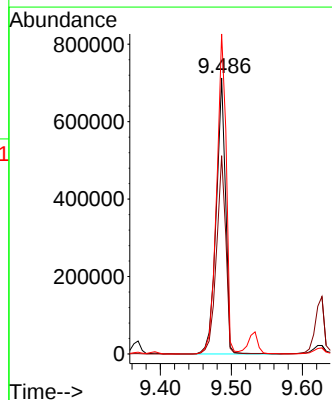
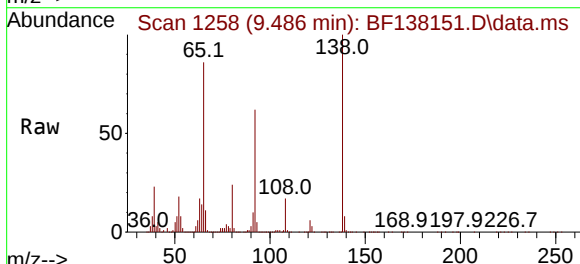
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 41.4  | 33.0  | 49.4  |
| 164 | 35.2  | 27.5  | 41.3  |

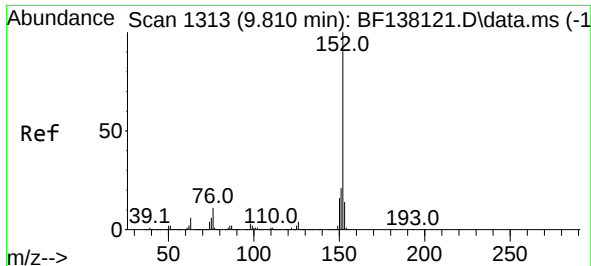


#48  
2-Nitroaniline  
Concen: 48.354 ng  
RT: 9.486 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 65 Resp: 654763

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 71.8  | 57.3  | 85.9  |
| 138 | 115.9 | 95.4  | 143.2 |

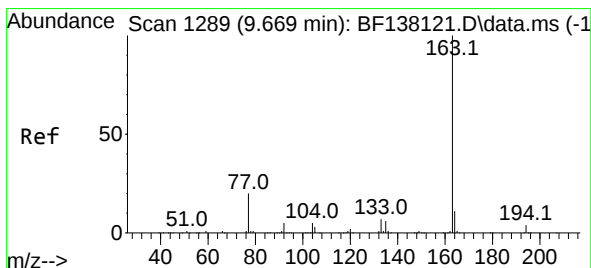
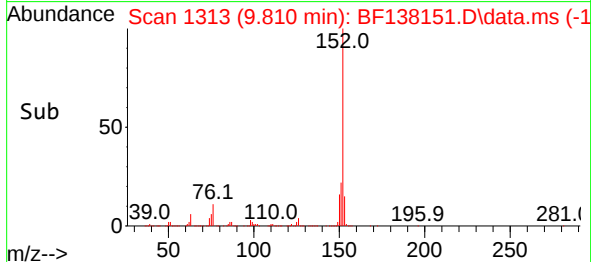
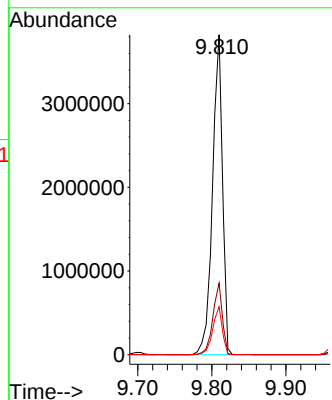
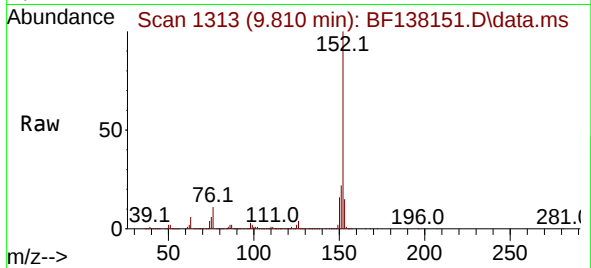




#49  
Acenaphthylene  
Concen: 46.310 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

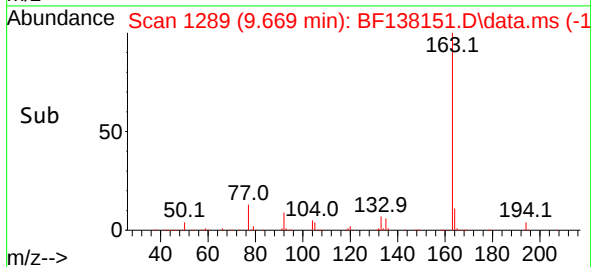
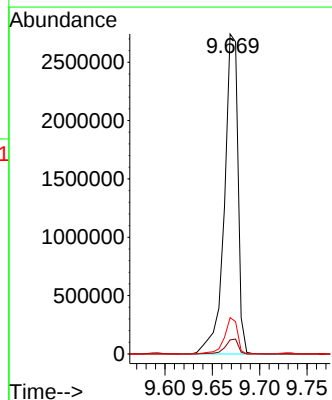
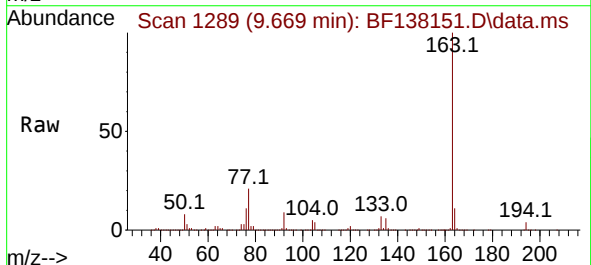
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

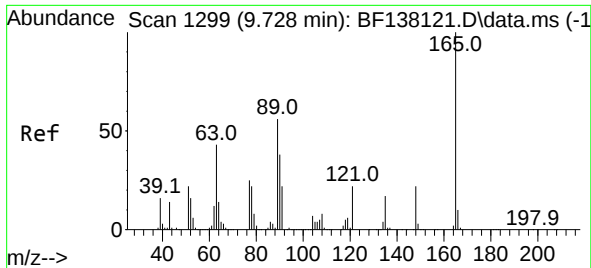
Tgt Ion:152 Resp: 3568266  
Ion Ratio Lower Upper  
152 100  
151 22.4 17.1 25.7  
153 15.0 11.6 17.4



#50  
Dimethylphthalate  
Concen: 45.020 ng  
RT: 9.669 min Scan# 1289  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:163 Resp: 2751537  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.5 5.3  
164 11.4 8.6 12.8

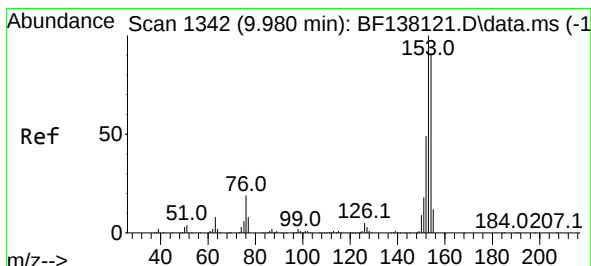
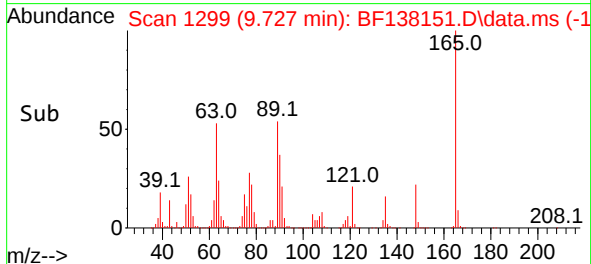
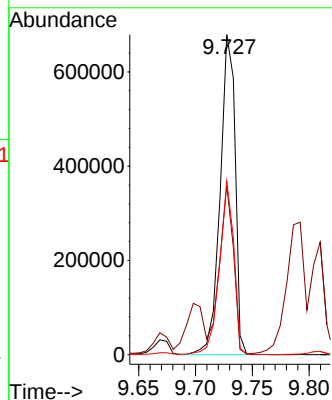
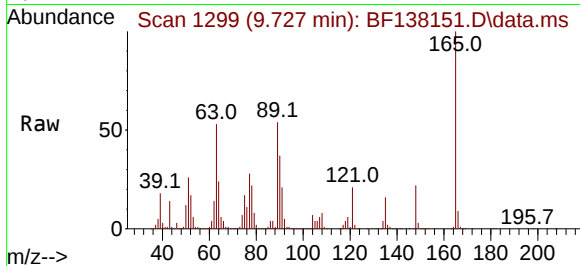




#51  
2,6-Dinitrotoluene  
Concen: 47.286 ng  
RT: 9.727 min Scan# 1299  
Delta R.T. -0.001 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

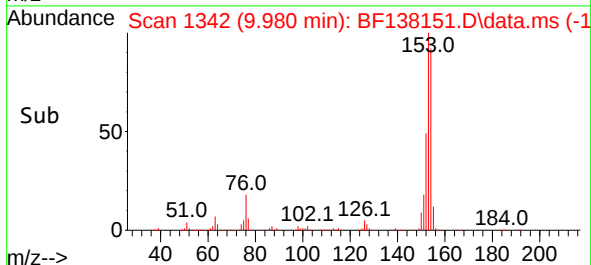
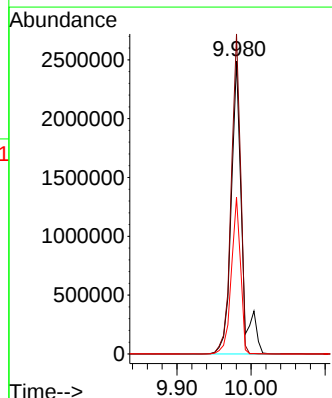
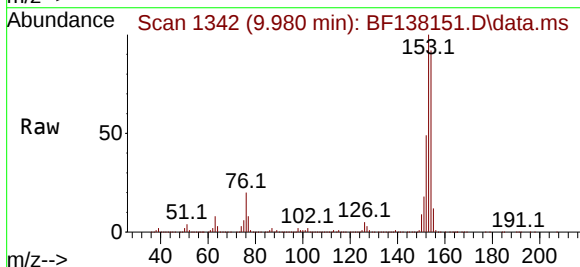
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

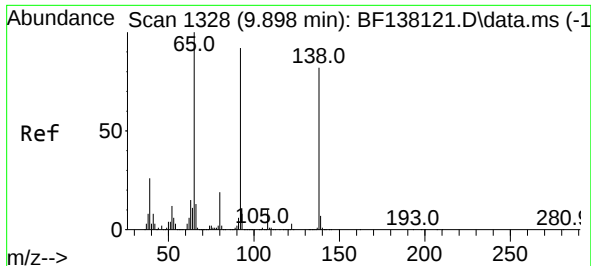
Tgt Ion:165 Resp: 626513  
Ion Ratio Lower Upper  
165 100  
63 53.0 42.9 64.3  
89 54.2 45.0 67.4



#52  
Acenaphthene  
Concen: 47.285 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:154 Resp: 2461789  
Ion Ratio Lower Upper  
154 100  
153 109.3 87.6 131.4  
152 53.5 43.0 64.6

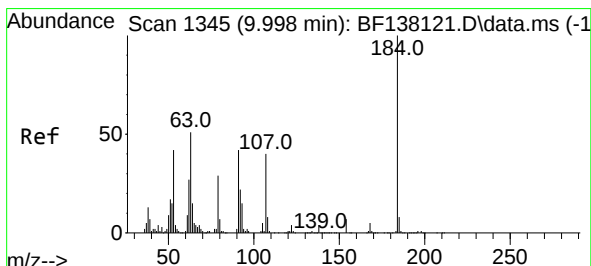
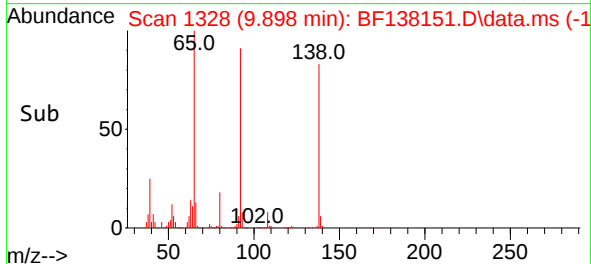
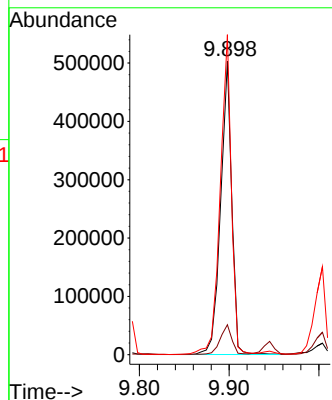
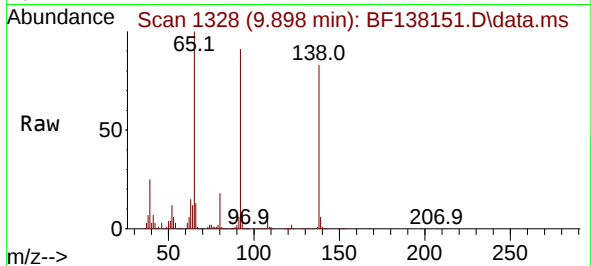




#53  
3-Nitroaniline  
Concen: 33.580 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

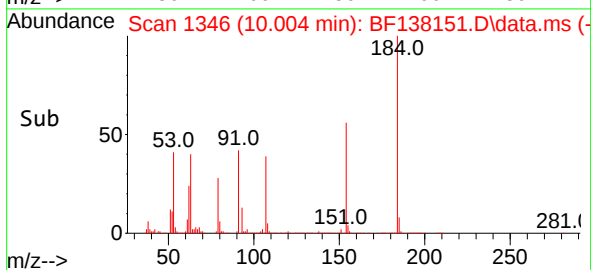
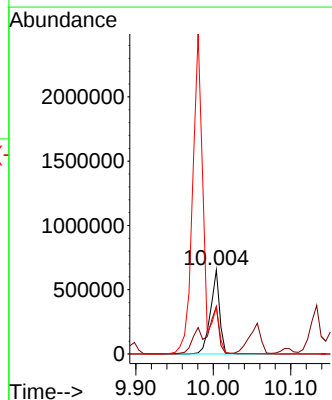
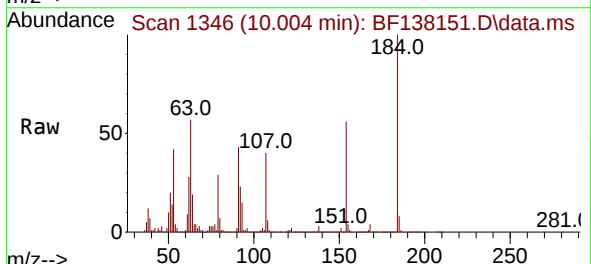
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

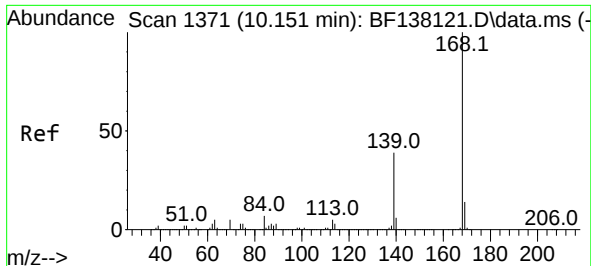
Tgt Ion:138 Resp: 433339  
Ion Ratio Lower Upper  
138 100  
108 10.2 10.3 15.5#  
92 109.1 89.5 134.3



#54  
2,4-Dinitrophenol  
Concen: 94.070 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:184 Resp: 536779  
Ion Ratio Lower Upper  
184 100  
63 56.7 45.4 68.0  
154 55.9 46.0 69.0

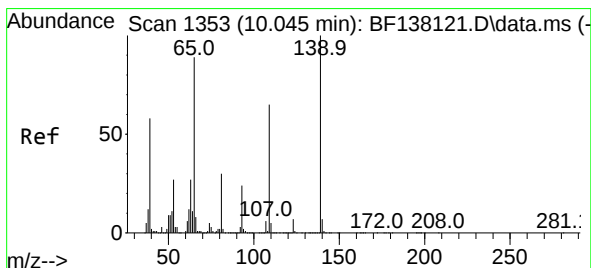
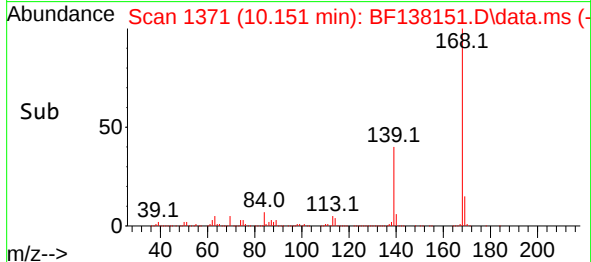
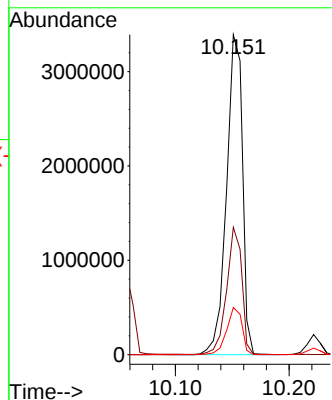
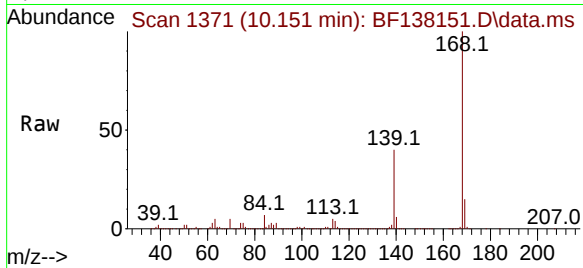




#55  
Dibenzenofuran  
Concen: 44.962 ng  
RT: 10.151 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

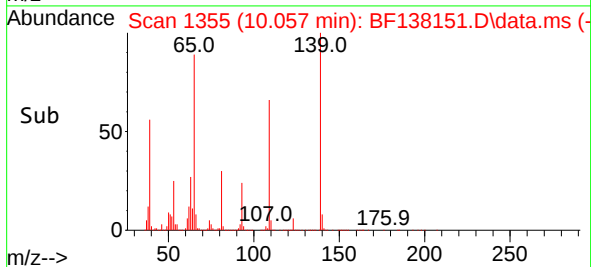
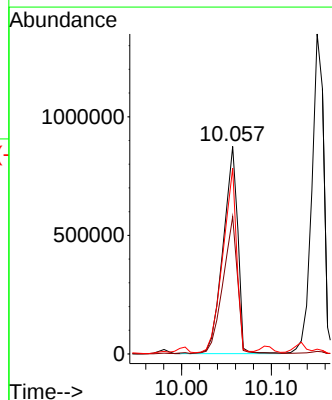
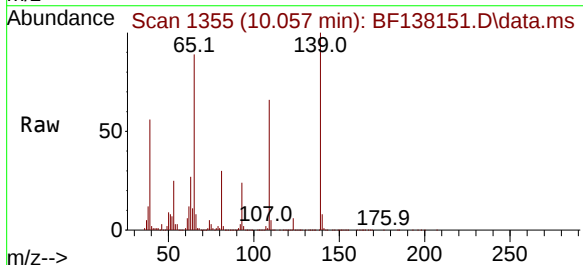
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

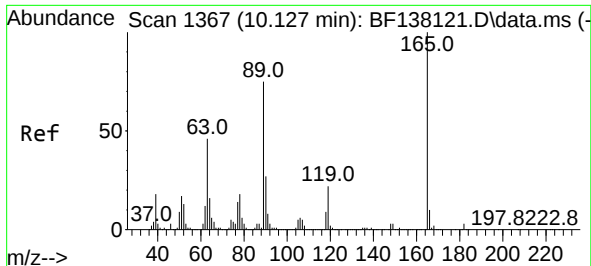
Tgt Ion:168 Resp: 3310949  
Ion Ratio Lower Upper  
168 100  
139 39.8 31.1 46.7  
169 14.8 11.6 17.4



#56  
4-Nitrophenol  
Concen: 106.346 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. 0.012 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:139 Resp: 988592  
Ion Ratio Lower Upper  
139 100  
109 66.1 45.5 85.5  
65 89.5 69.1 109.1

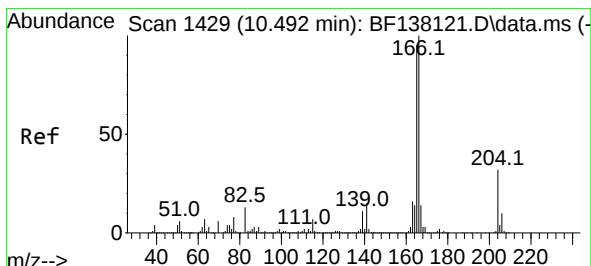
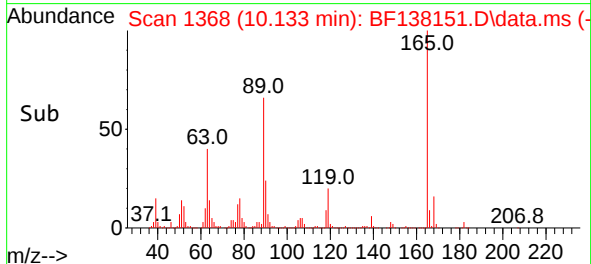
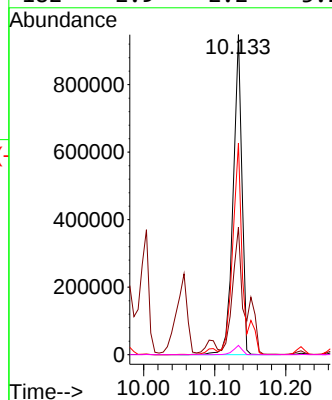
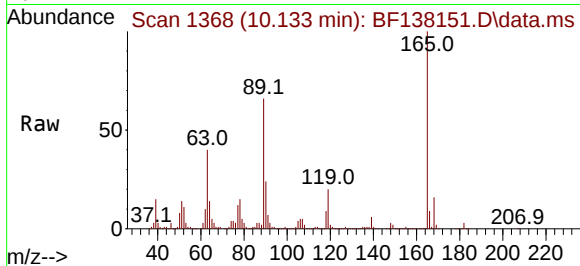




#57  
2,4-Dinitrotoluene  
Concen: 51.174 ng  
RT: 10.133 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

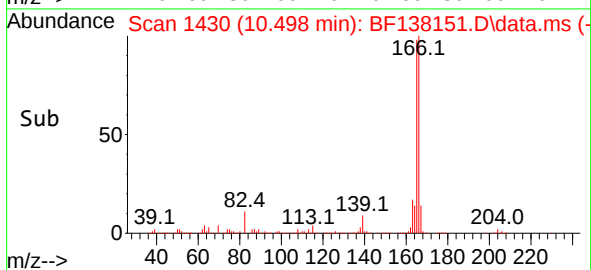
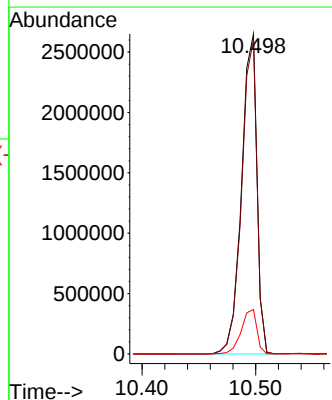
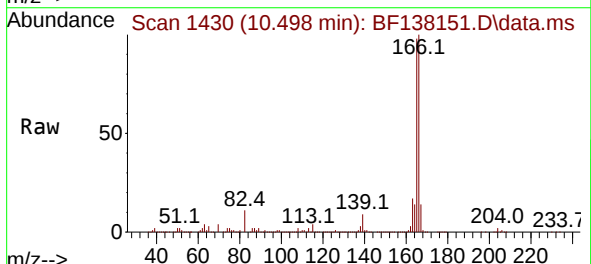
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

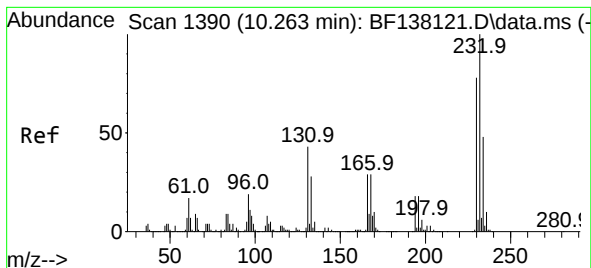
Tgt Ion:165 Resp: 813220  
Ion Ratio Lower Upper  
165 100  
63 39.9 36.8 55.2  
89 66.1 60.2 90.2  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 42.476 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:166 Resp: 2484459  
Ion Ratio Lower Upper  
166 100  
165 98.3 76.3 114.5  
167 13.9 11.2 16.8

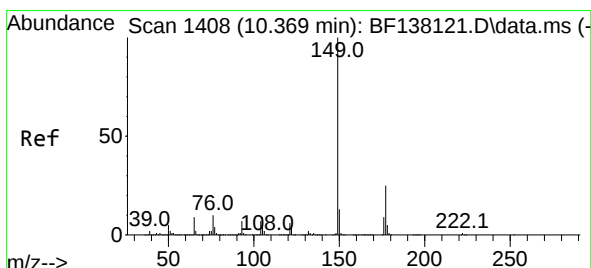
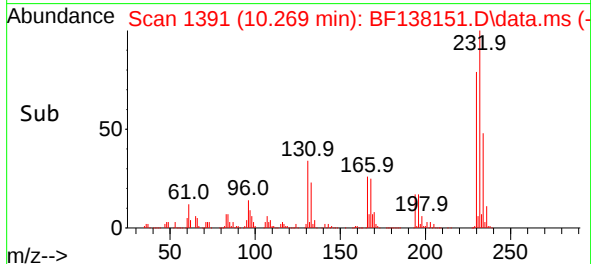
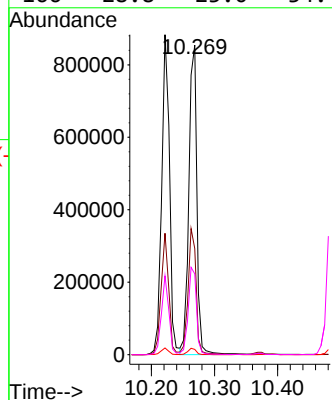
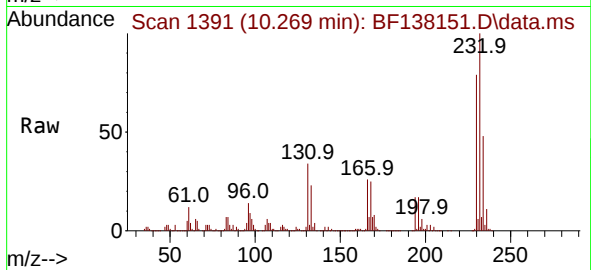




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.424 ng  
RT: 10.269 min Scan# 1390  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

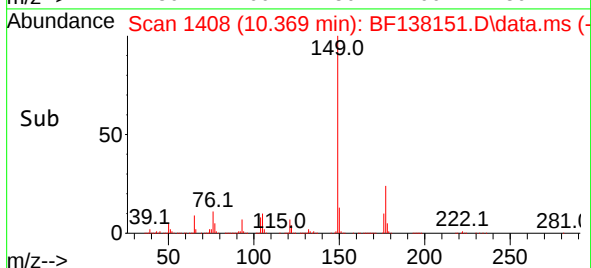
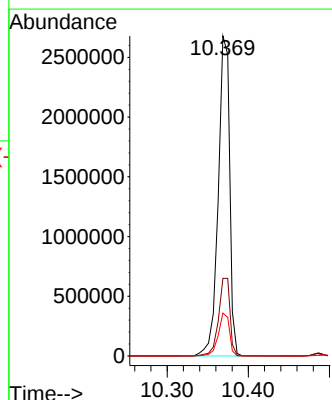
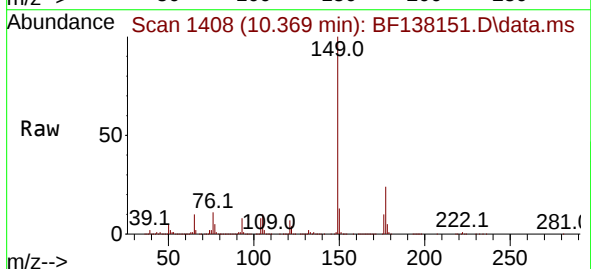
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

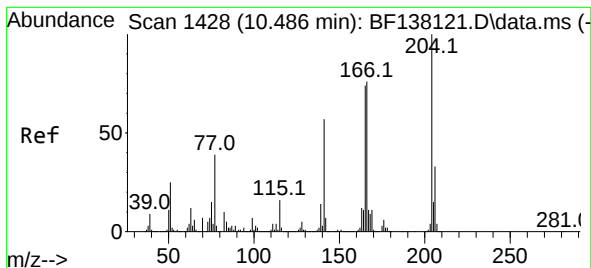
Tgt Ion:232 Resp: 759706  
Ion Ratio Lower Upper  
232 100  
131 40.1 33.7 50.5  
130 2.1 1.7 2.5  
166 28.8 23.0 34.4



#60  
Diethylphthalate  
Concen: 43.984 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:149 Resp: 2624227  
Ion Ratio Lower Upper  
149 100  
177 24.2 19.9 29.9  
150 13.4 10.7 16.1

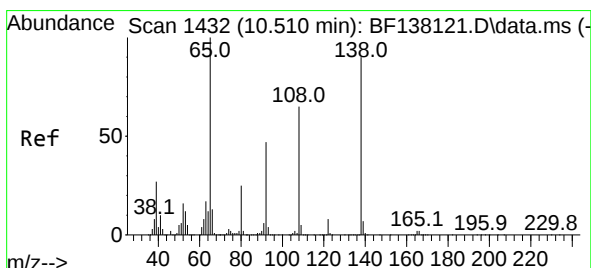
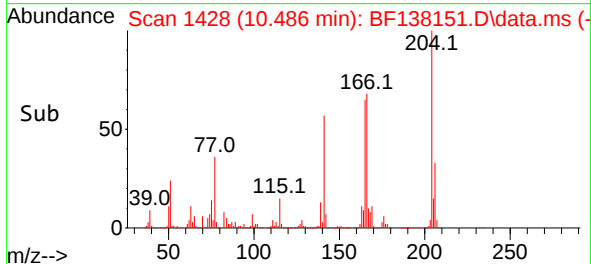
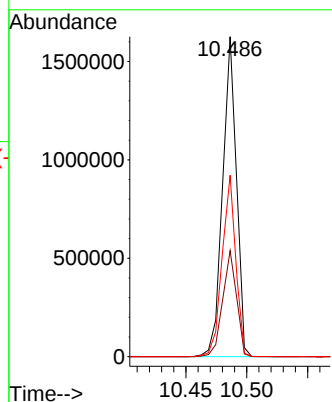
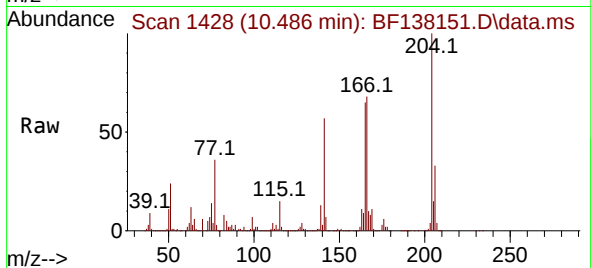




#61  
4-Chlorophenyl-phenylether  
Concen: 43.420 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

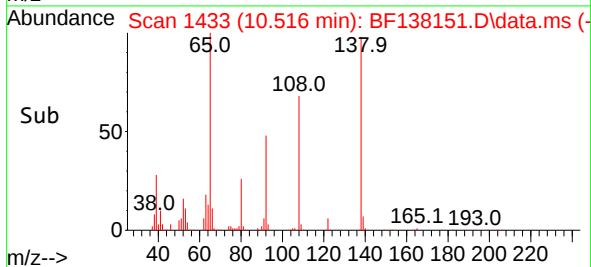
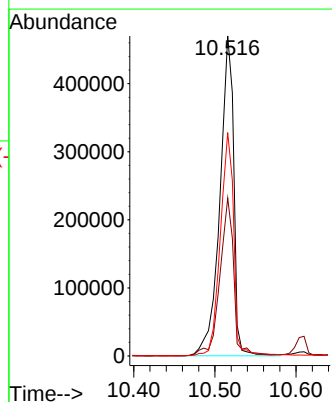
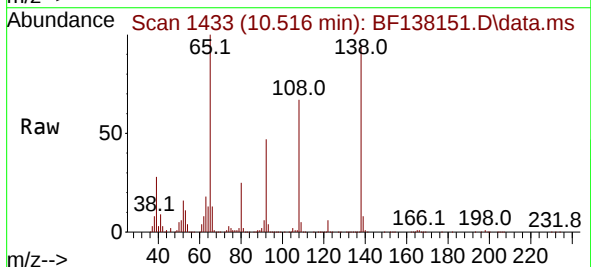
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

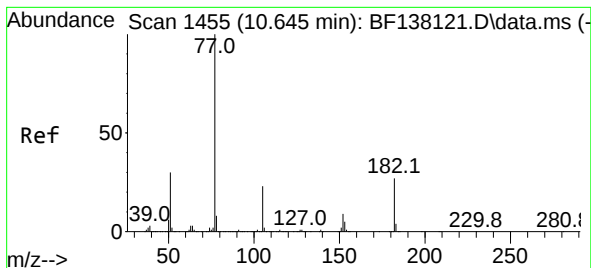
Tgt Ion:204 Resp: 1290201  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.5 39.7  
141 56.7 45.2 67.8



#62  
4-Nitroaniline  
Concen: 49.305 ng  
RT: 10.516 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:138 Resp: 562472  
Ion Ratio Lower Upper  
138 100  
92 49.3 32.3 72.3  
108 69.8 53.0 93.0

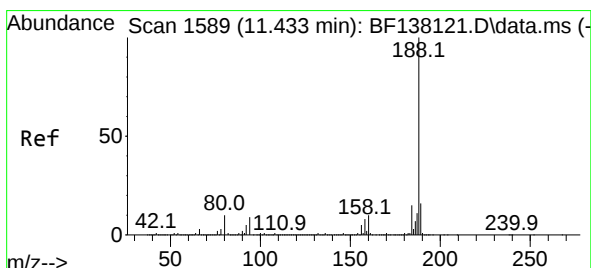
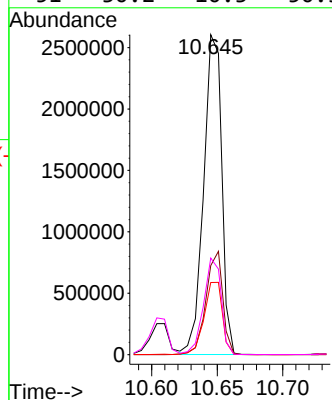
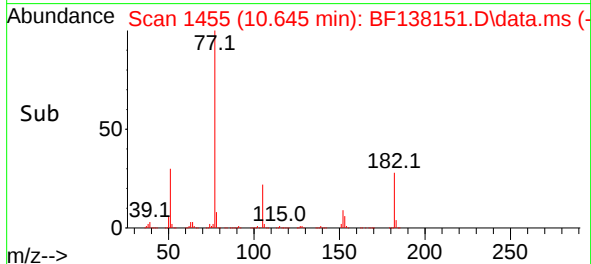
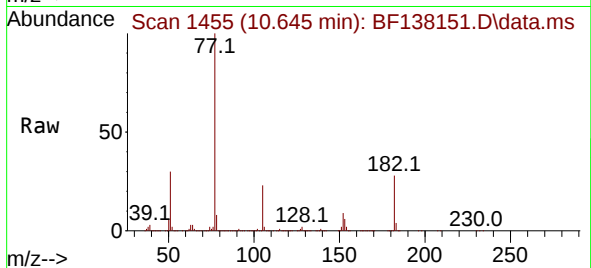




#63  
Azobenzene  
Concen: 43.611 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

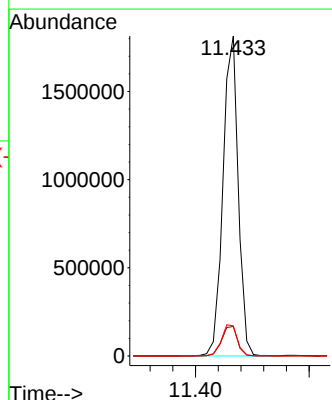
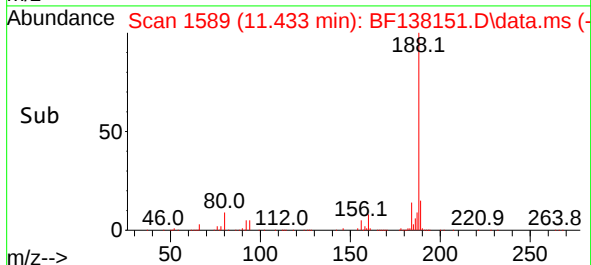
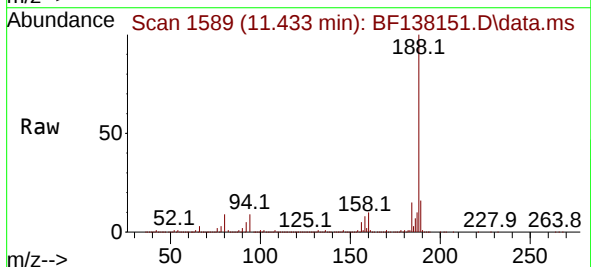
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

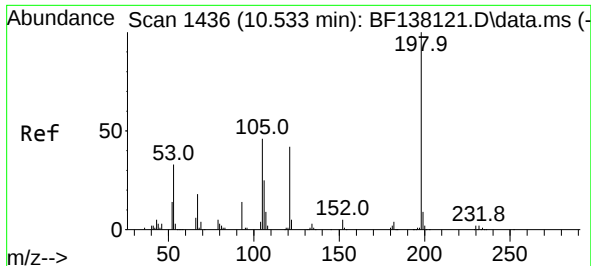
Tgt Ion: 77 Resp: 2506188  
Ion Ratio Lower Upper  
77 100  
182 27.8 7.2 47.2  
105 22.5 3.0 43.0  
51 30.2 10.3 50.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion: 188 Resp: 1693294  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.4 11.2  
80 9.4 7.7 11.5

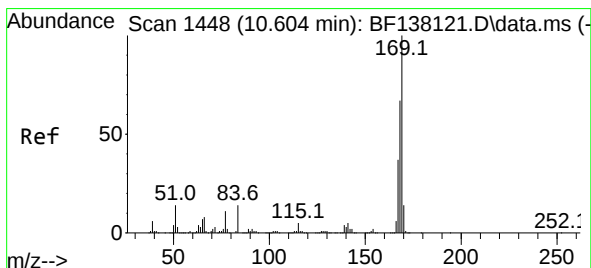
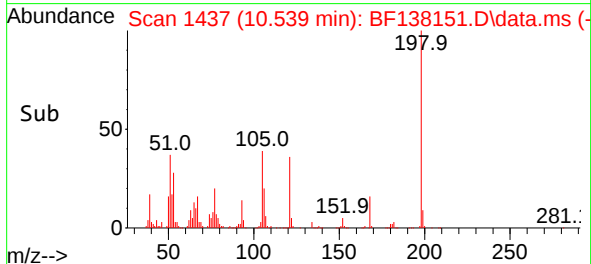
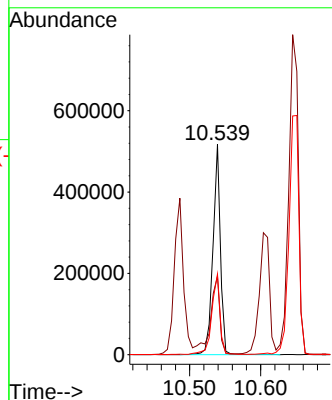
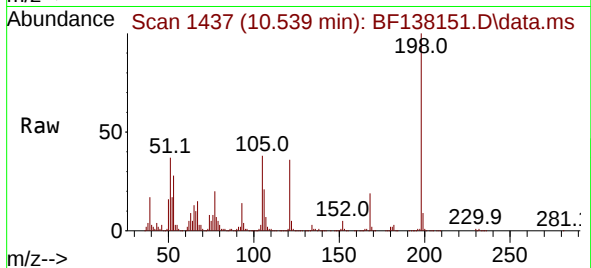




#65  
4,6-Dinitro-2-methylphenol  
Concen: 56.339 ng  
RT: 10.539 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

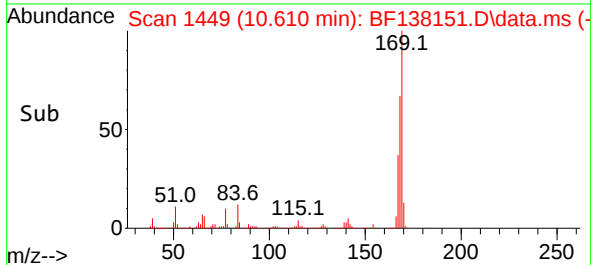
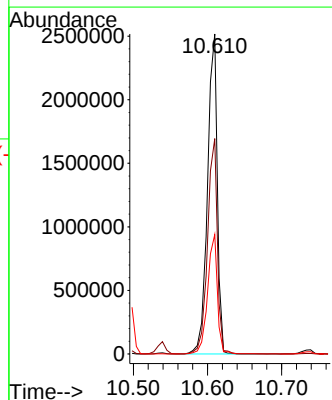
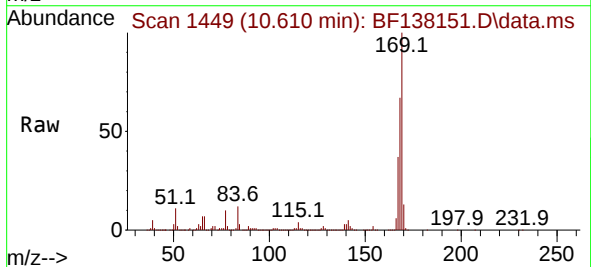
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

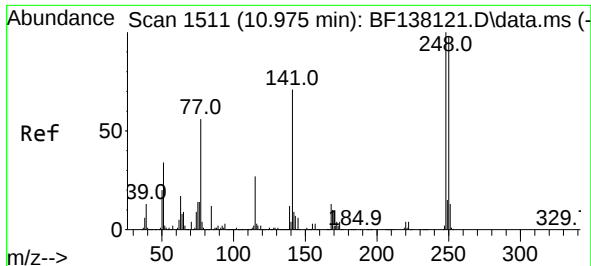
Tgt Ion:198 Resp: 379561  
Ion Ratio Lower Upper  
198 100  
51 37.3 28.2 68.2  
105 38.4 26.8 66.8



#66  
n-Nitrosodiphenylamine  
Concen: 45.859 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:169 Resp: 2318914  
Ion Ratio Lower Upper  
169 100  
168 67.3 53.4 80.2  
167 37.3 29.8 44.6

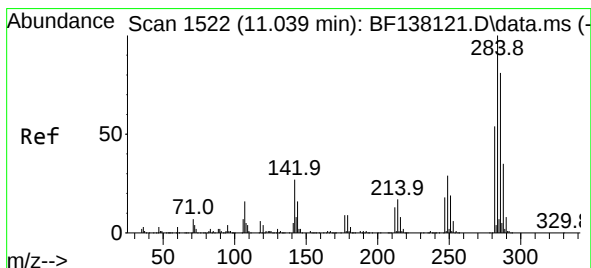
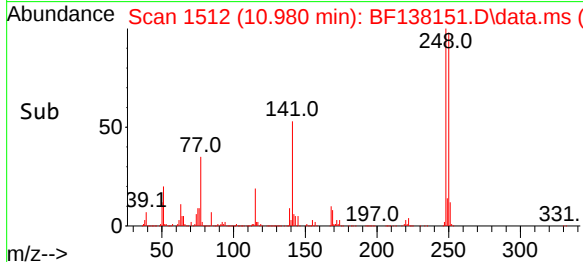
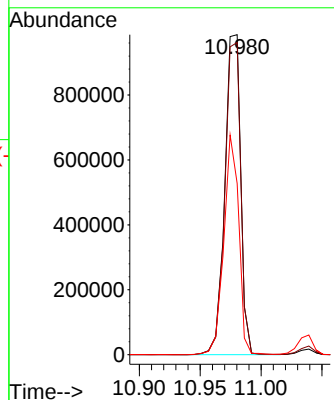
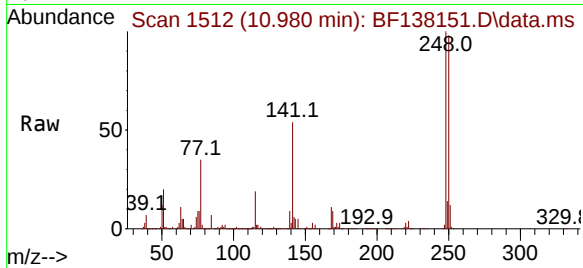




#67  
4-Bromophenyl-phenylether  
Concen: 46.553 ng  
RT: 10.980 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

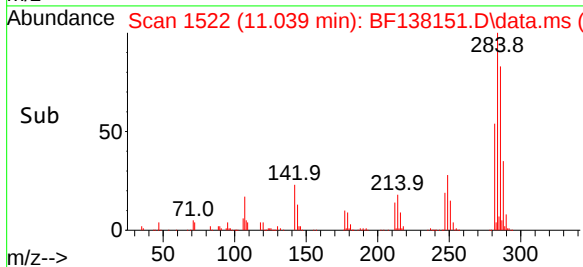
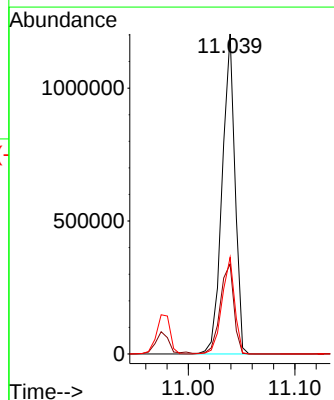
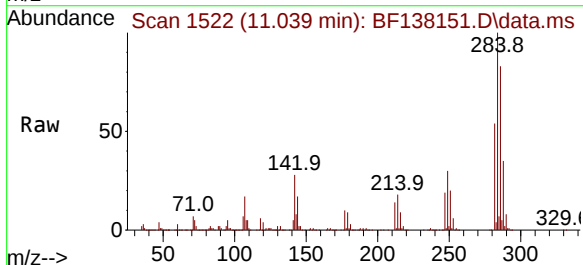
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

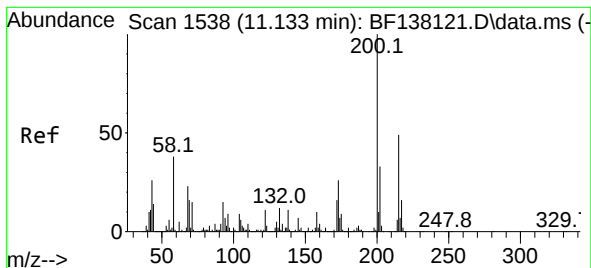
Tgt Ion:248 Resp: 897556  
Ion Ratio Lower Upper  
248 100  
250 97.5 78.7 118.1  
141 53.5 56.5 84.7#



#68  
Hexachlorobenzene  
Concen: 44.760 ng  
RT: 11.039 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:284 Resp: 1003265  
Ion Ratio Lower Upper  
284 100  
142 28.1 21.4 32.0  
249 30.2 23.3 34.9





#69

Atrazine

Concen: 49.563 ng

RT: 11.133 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

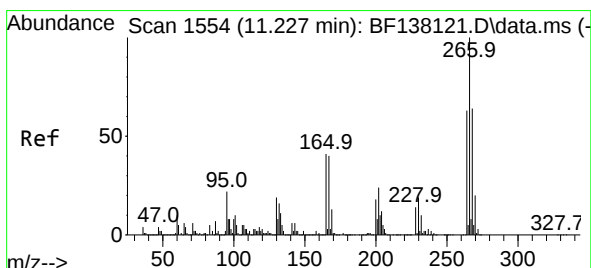
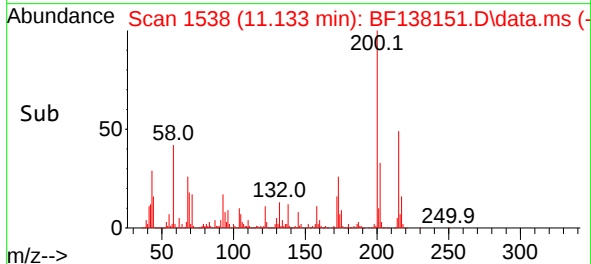
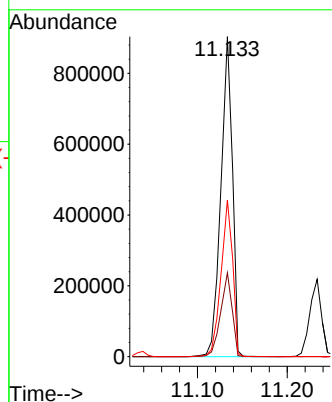
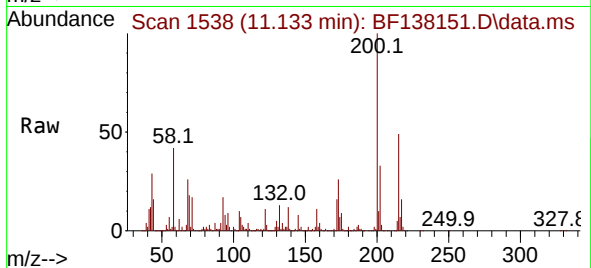
Tgt Ion:200 Resp: 806332

Ion Ratio Lower Upper

200 100

173 26.2 5.7 45.7

215 48.9 29.4 69.4



#70

Pentachlorophenol

Concen: 97.858 ng

RT: 11.233 min Scan# 1555

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

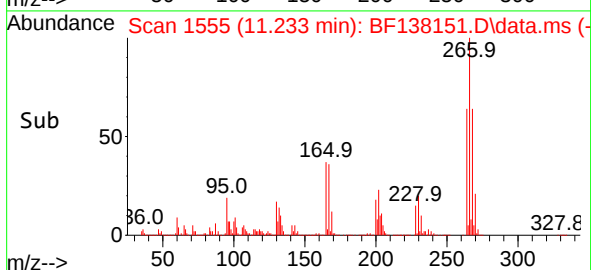
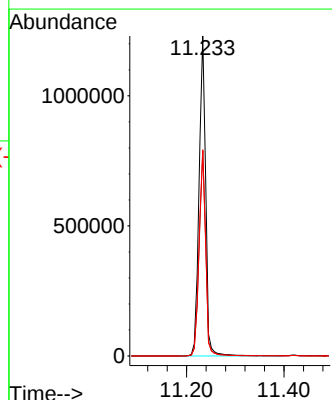
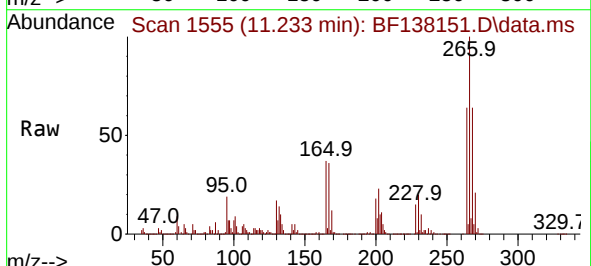
Tgt Ion:266 Resp: 1174175

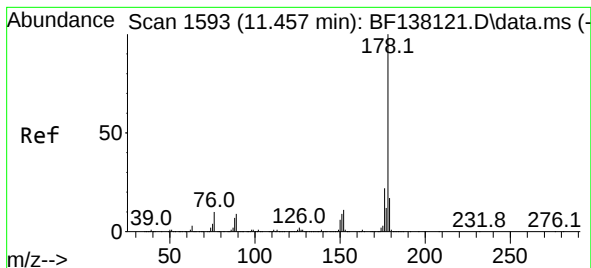
Ion Ratio Lower Upper

266 100

268 64.1 51.4 77.0

264 64.4 50.1 75.1





#71

Phenanthrene

Concen: 44.642 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

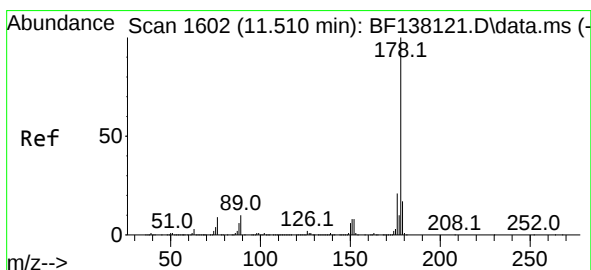
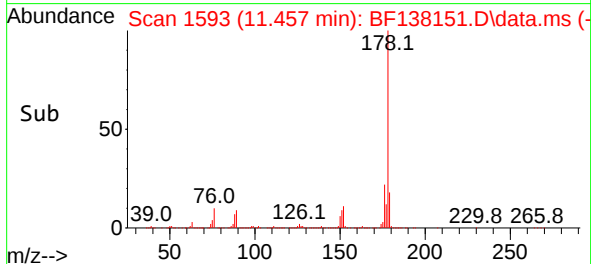
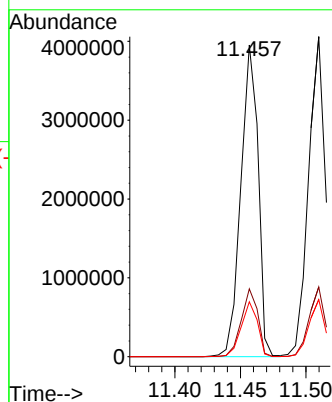
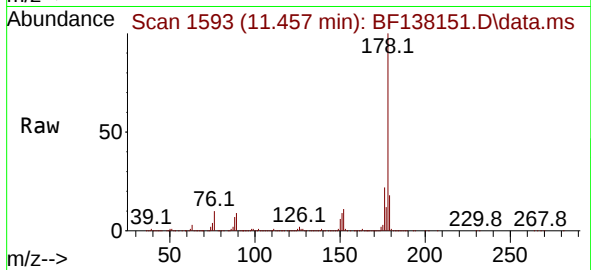
Tgt Ion:178 Resp: 3639027

Ion Ratio Lower Upper

178 100

176 21.8 17.2 25.8

179 17.6 13.6 20.4



#72

Anthracene

Concen: 44.491 ng

RT: 11.510 min Scan# 1602

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

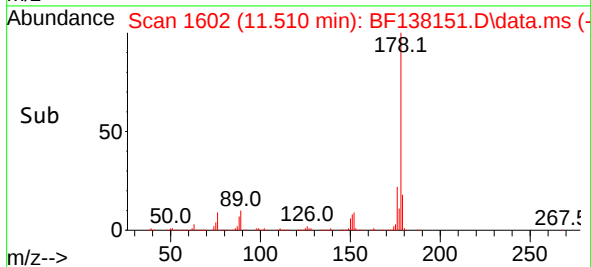
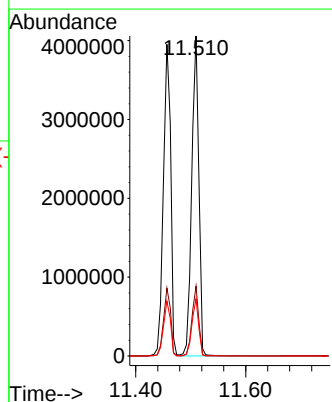
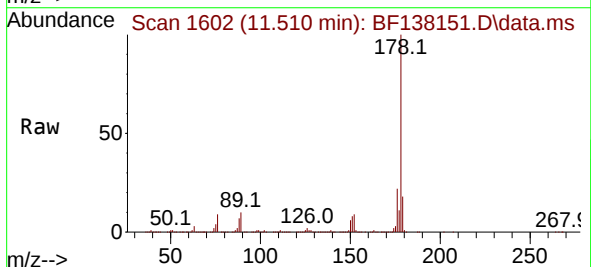
Tgt Ion:178 Resp: 3617212

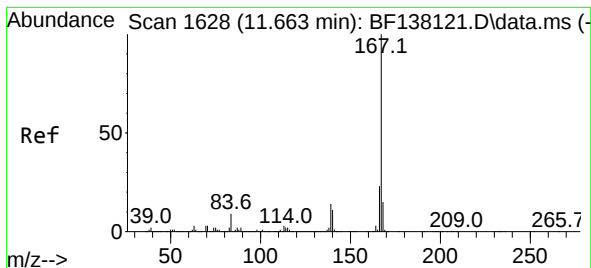
Ion Ratio Lower Upper

178 100

176 21.8 16.5 24.7

179 17.9 13.6 20.4





#73

Carbazole

Concen: 42.990 ng

RT: 11.663 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

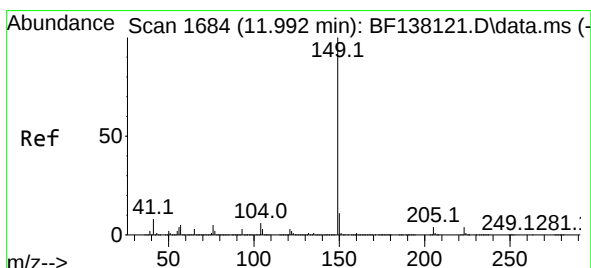
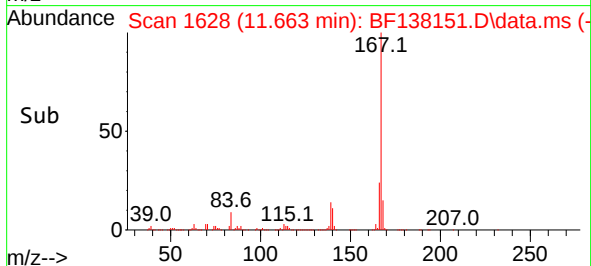
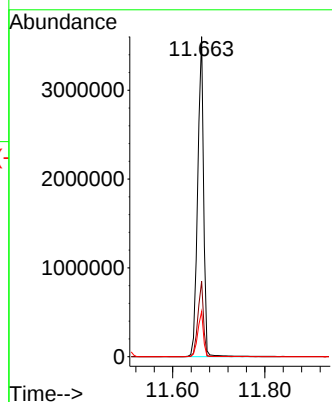
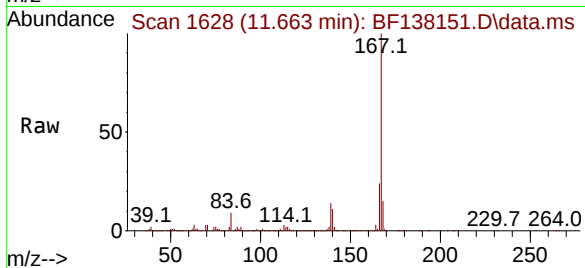
Tgt Ion:167 Resp: 3196392

Ion Ratio Lower Upper

167 100

166 23.5 18.6 27.8

139 14.1 11.0 16.6



#74

Di-n-butylphthalate

Concen: 43.289 ng

RT: 11.992 min Scan# 1684

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

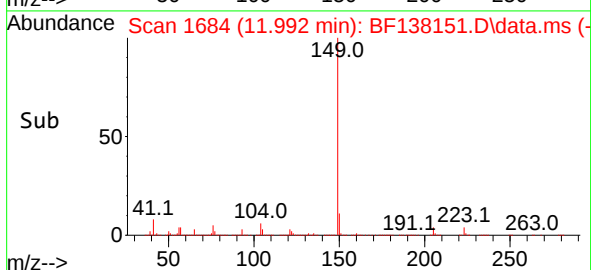
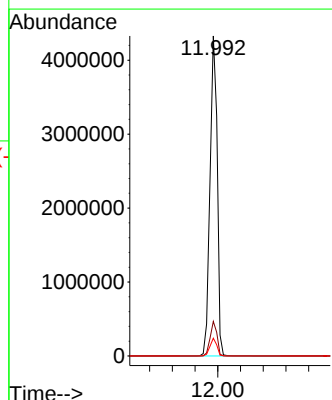
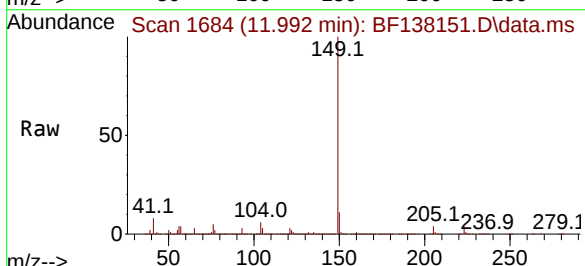
Tgt Ion:149 Resp: 3783280

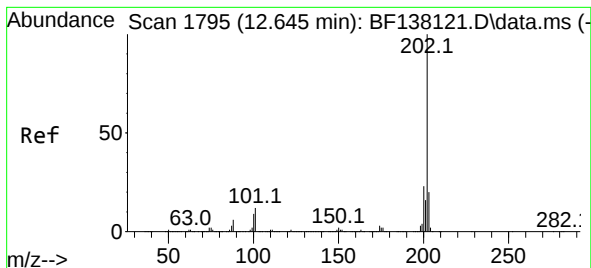
Ion Ratio Lower Upper

149 100

150 10.8 8.5 12.7

104 5.6 4.4 6.6





#75

Fluoranthene

Concen: 40.728 ng

RT: 12.645 min Scan# 1795

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

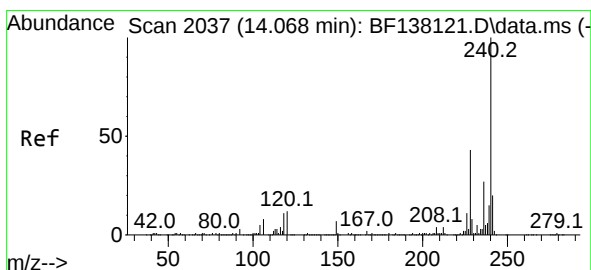
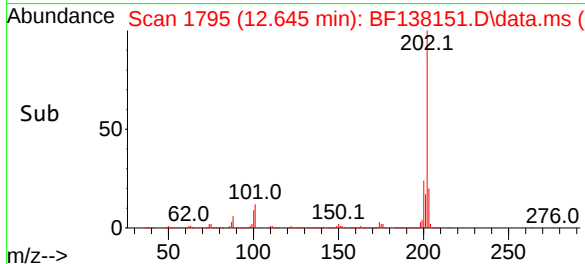
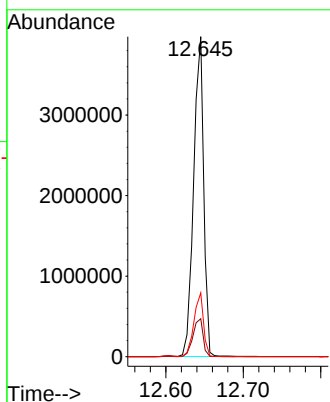
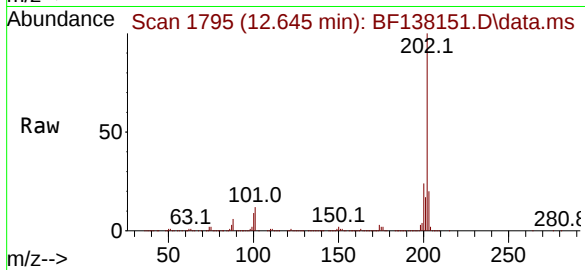
Tgt Ion:202 Resp: 3582220

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.2

203 20.0 0.0 39.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

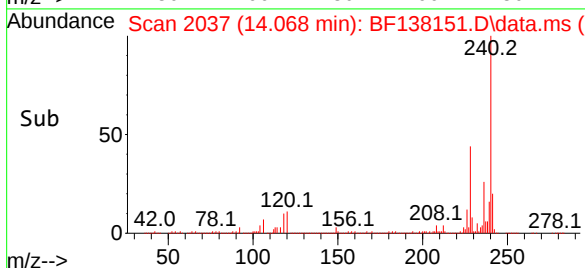
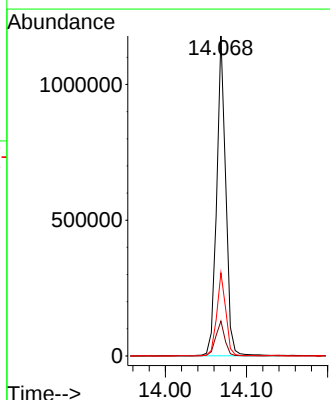
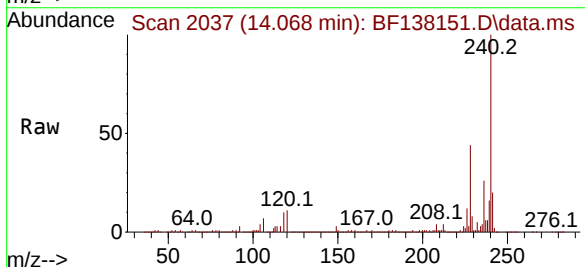
Tgt Ion:240 Resp: 914486

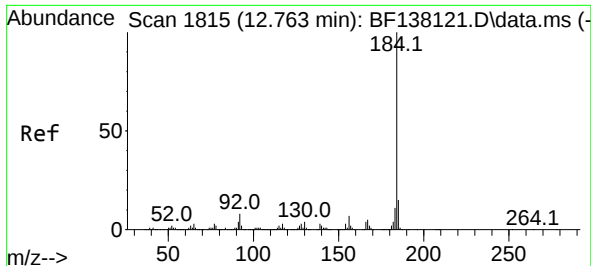
Ion Ratio Lower Upper

240 100

120 10.9 9.8 14.8

236 26.0 21.2 31.8

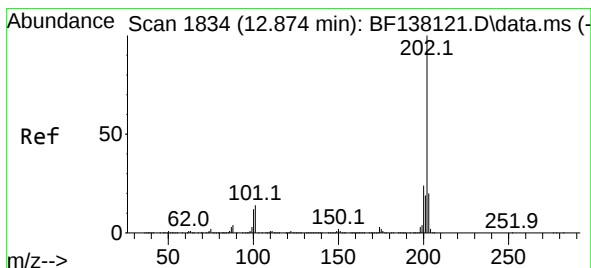
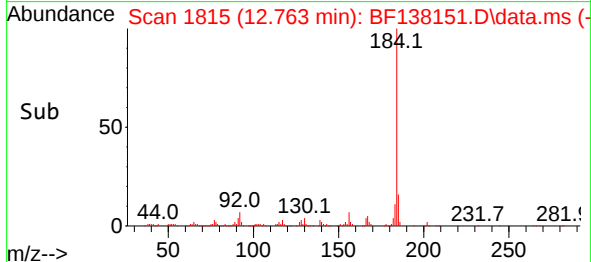
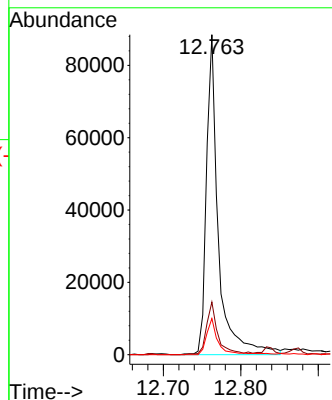
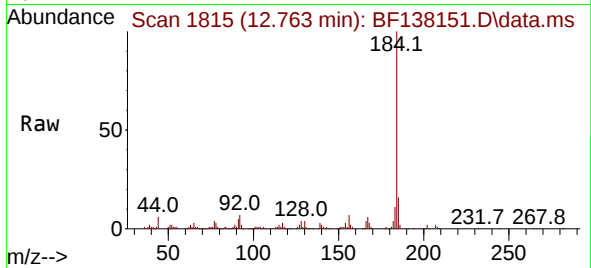




#77  
Benzidine  
Concen: 10.036 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

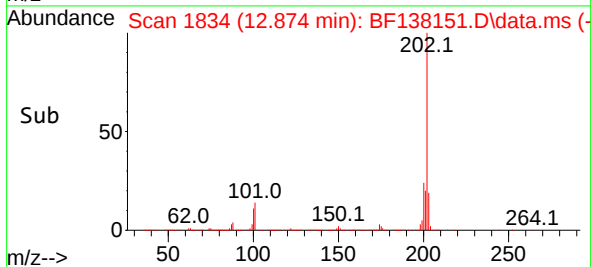
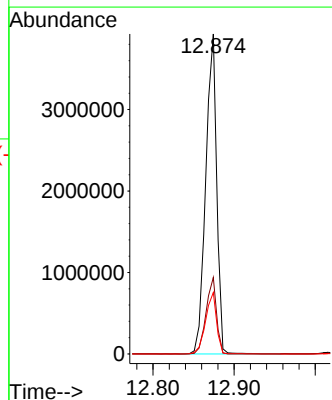
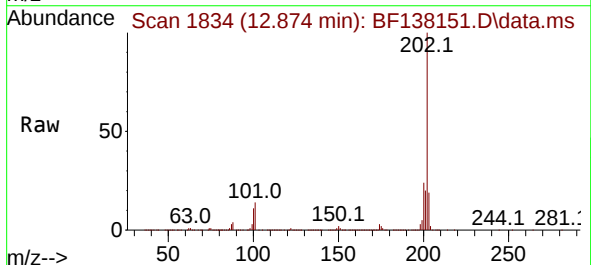
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

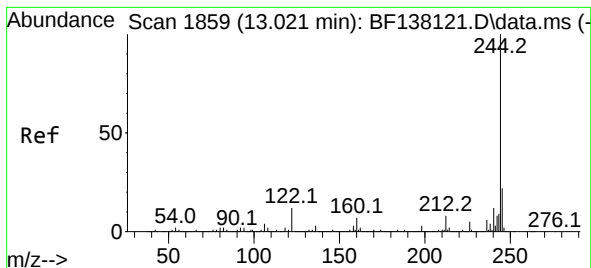
Tgt Ion:184 Resp: 94448  
Ion Ratio Lower Upper  
184 100  
185 16.4 12.2 18.2  
183 11.3 9.0 13.4



#78  
Pyrene  
Concen: 44.418 ng  
RT: 12.874 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:202 Resp: 3673563  
Ion Ratio Lower Upper  
202 100  
200 23.9 19.1 28.7  
203 19.2 15.6 23.4





#79

Terphenyl-d14

Concen: 80.920 ng

RT: 13.015 min Scan# 1858

Delta R.T. -0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

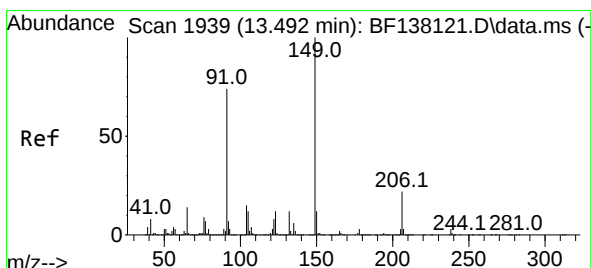
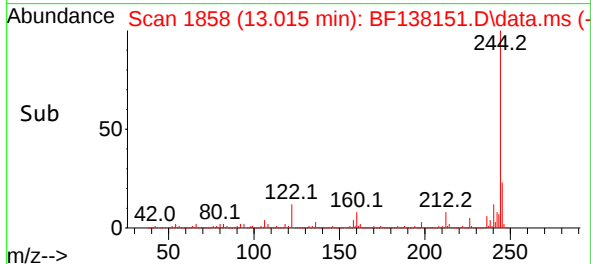
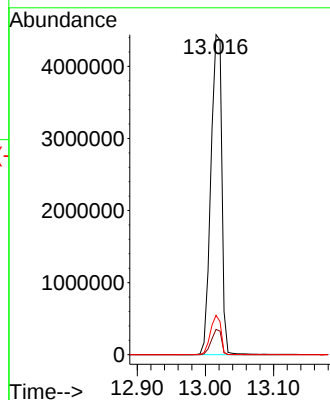
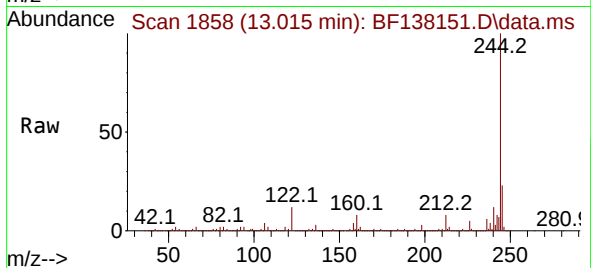
Tgt Ion:244 Resp: 4947424

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

122 12.3 9.4 14.2



#80

Butylbenzylphthalate

Concen: 48.762 ng

RT: 13.492 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

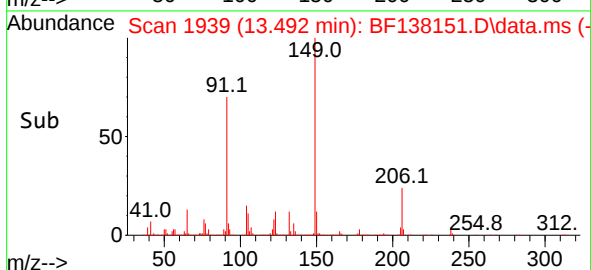
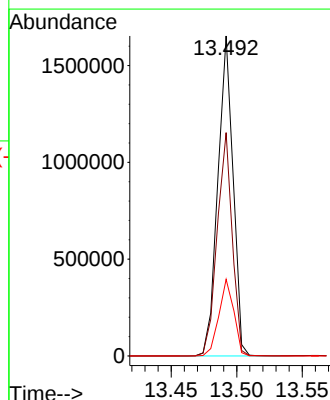
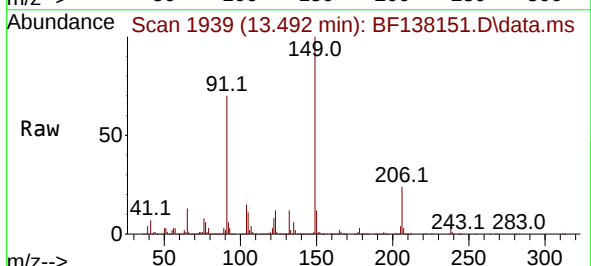
Tgt Ion:149 Resp: 1331676

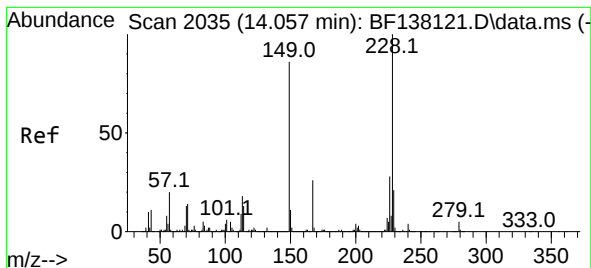
Ion Ratio Lower Upper

149 100

91 69.8 59.6 89.4

206 23.9 17.8 26.6





#81

Benzo(a)anthracene

Concen: 45.193 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

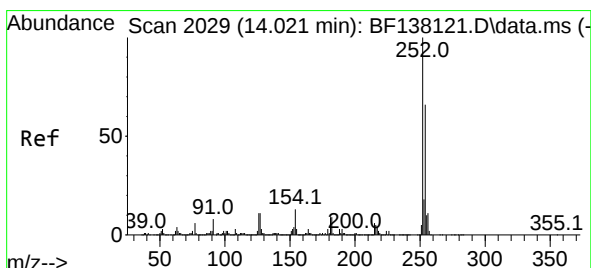
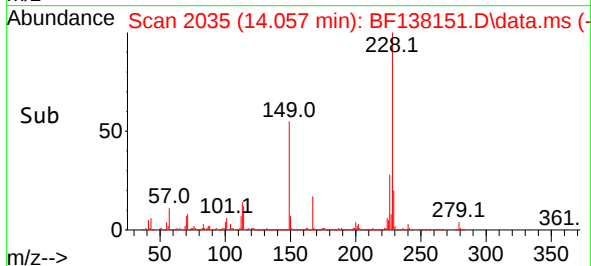
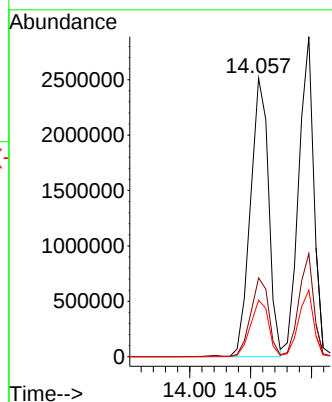
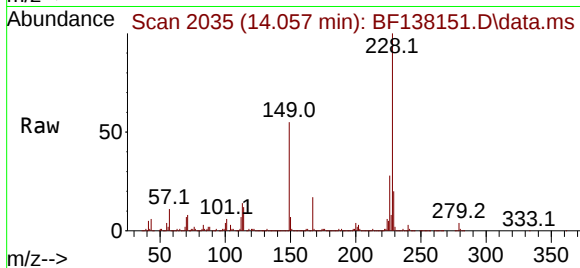
Tgt Ion:228 Resp: 2607456

Ion Ratio Lower Upper

228 100

226 28.3 22.7 34.1

229 20.3 16.7 25.1



#82

3,3'-Dichlorobenzidine

Concen: 38.682 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

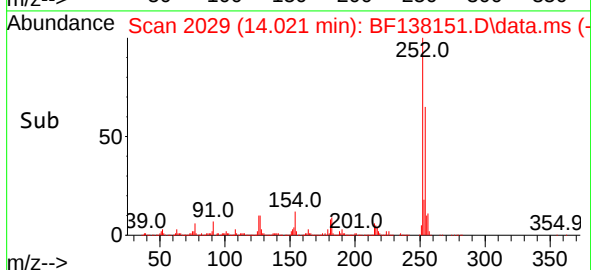
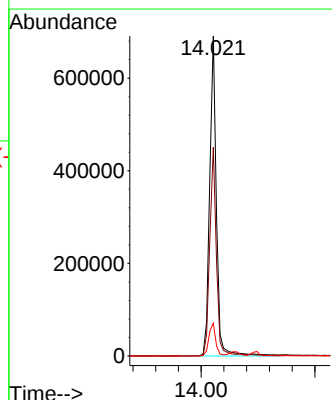
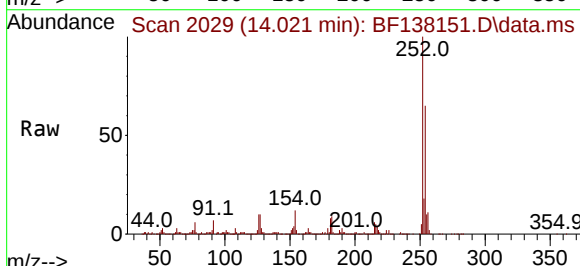
Tgt Ion:252 Resp: 565675

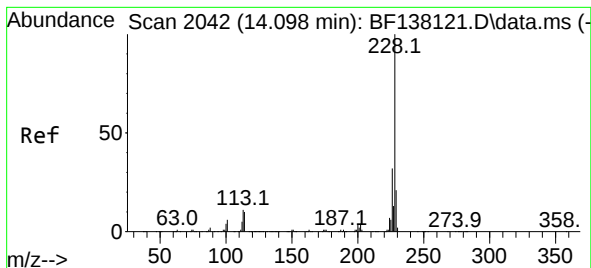
Ion Ratio Lower Upper

252 100

254 65.3 52.9 79.3

126 10.2 8.8 13.2





#83

Chrysene

Concen: 45.844 ng

RT: 14.098 min Scan# 2042

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

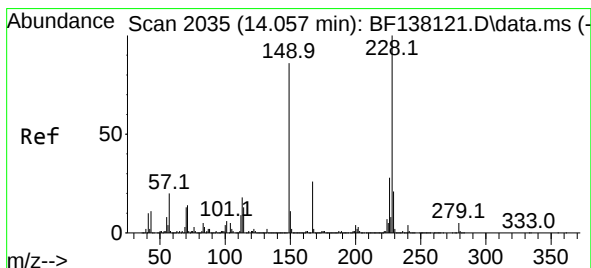
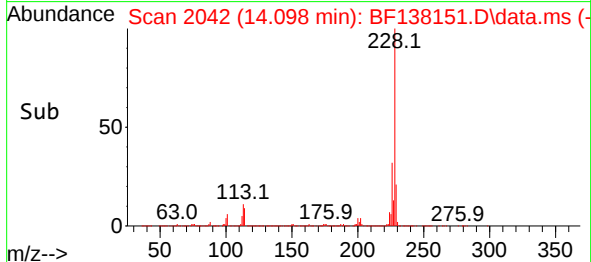
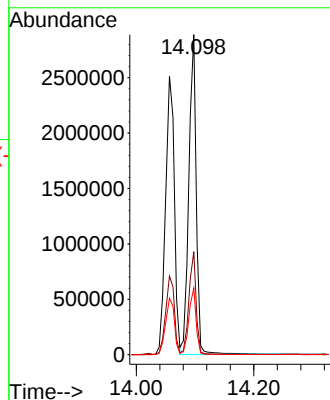
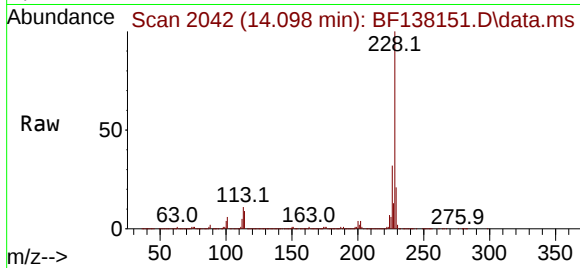
Tgt Ion:228 Resp: 2538430

Ion Ratio Lower Upper

228 100

226 32.2 25.6 38.4

229 20.8 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.369 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

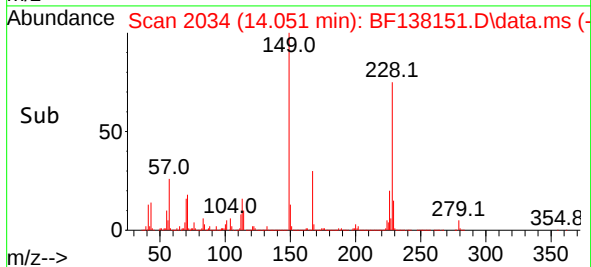
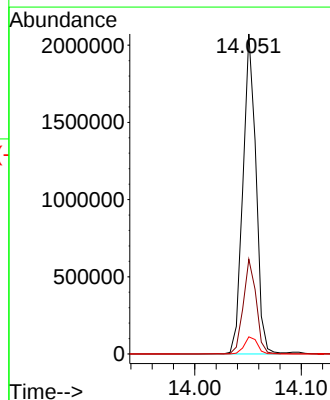
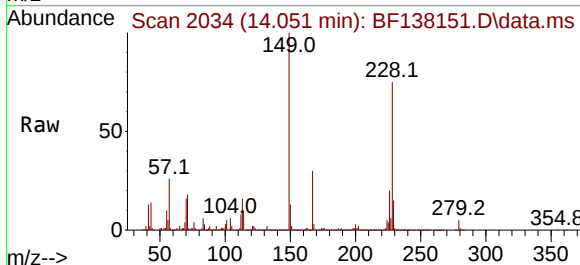
Tgt Ion:149 Resp: 1765382

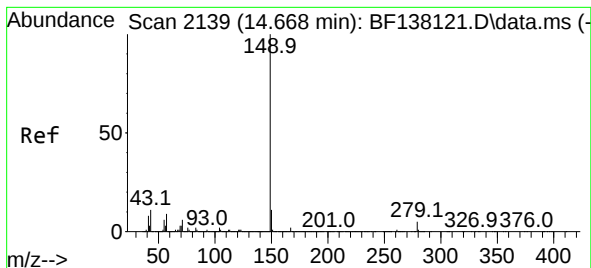
Ion Ratio Lower Upper

149 100

167 29.6 24.2 36.2

279 5.3 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 47.837 ng

RT: 14.668 min Scan# 2139

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

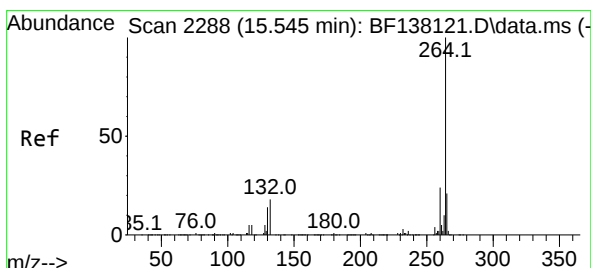
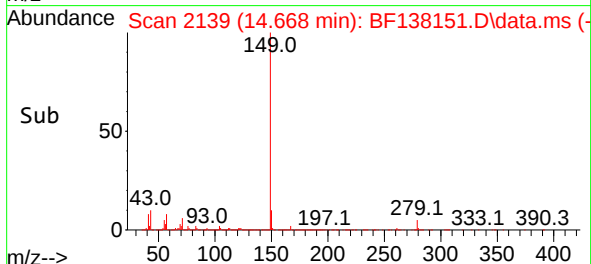
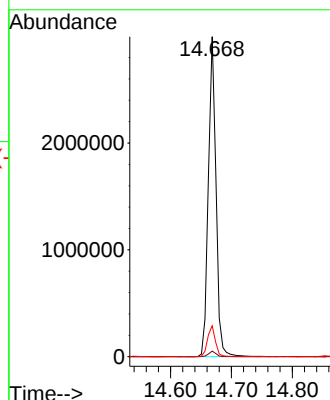
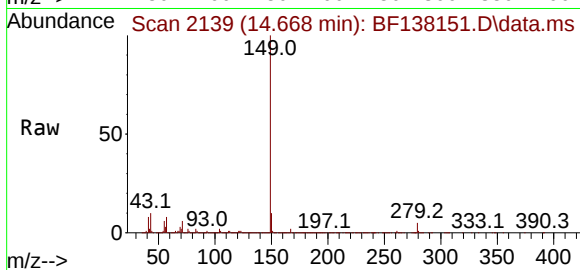
Tgt Ion:149 Resp: 2619933

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 9.9 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

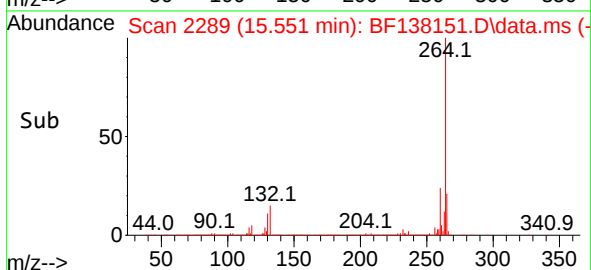
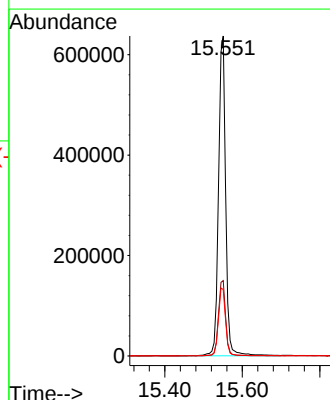
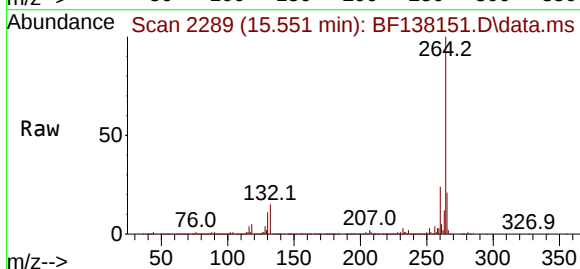
Tgt Ion:264 Resp: 813503

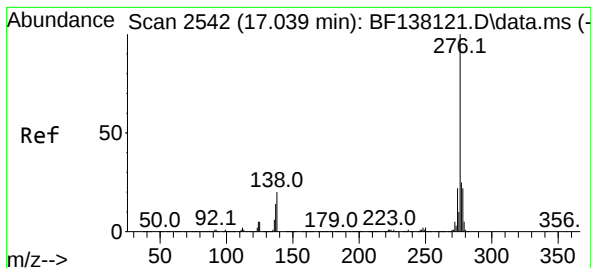
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 20.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.803 ng

RT: 17.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

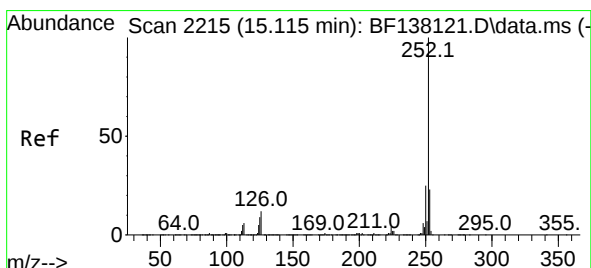
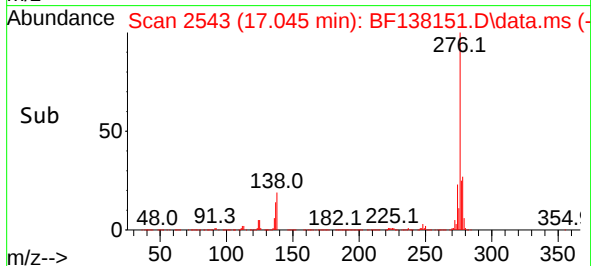
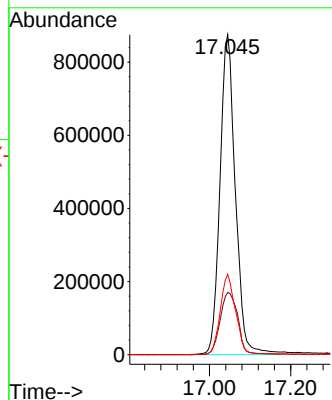
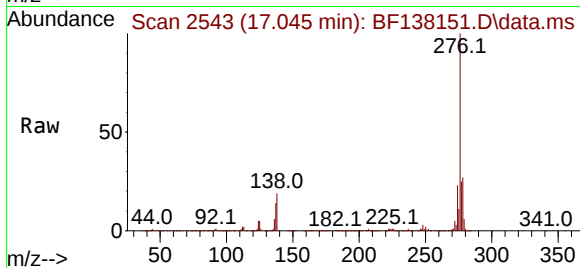
Tgt Ion:276 Resp: 2307610

Ion Ratio Lower Upper

276 100

138 22.6 18.9 28.3

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 45.082 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

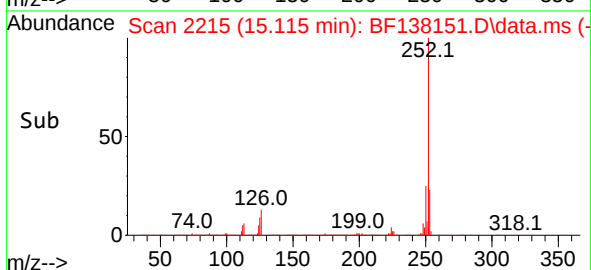
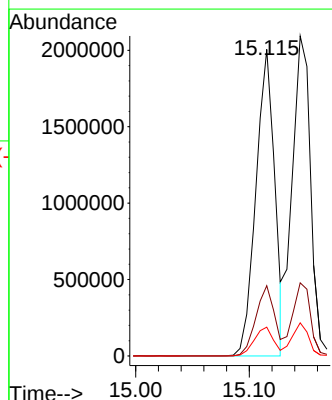
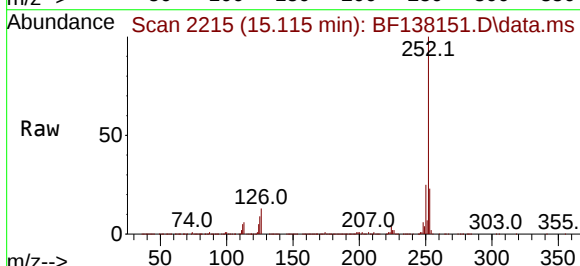
Tgt Ion:252 Resp: 2305536

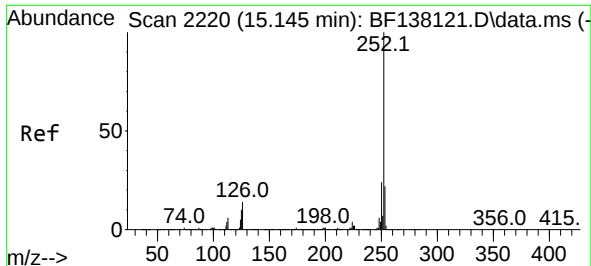
Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 9.4 7.4 11.2

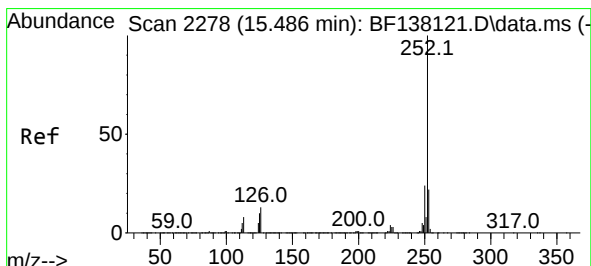
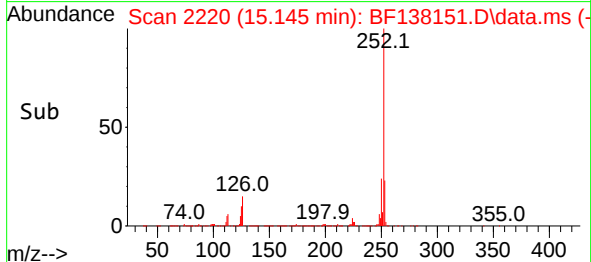
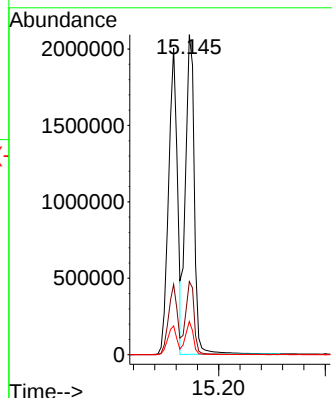
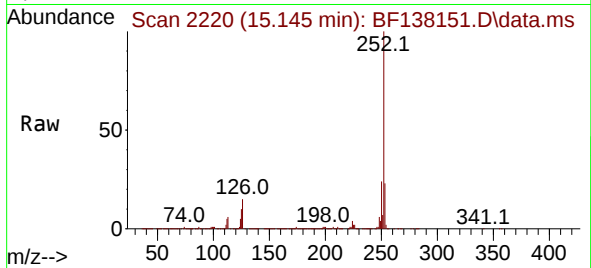




#89  
Benzo(k)fluoranthene  
Concen: 49.082 ng  
RT: 15.145 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

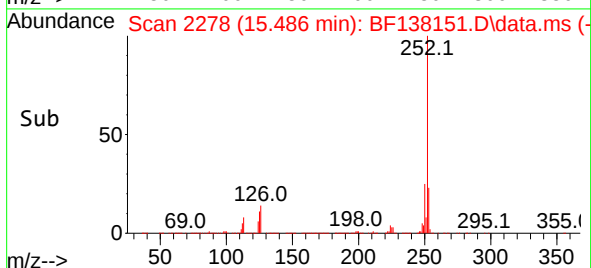
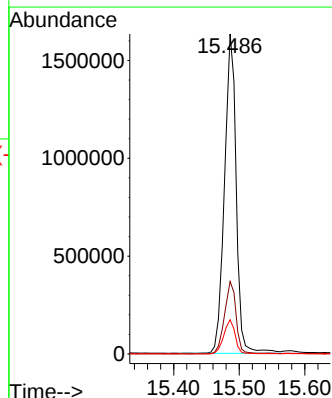
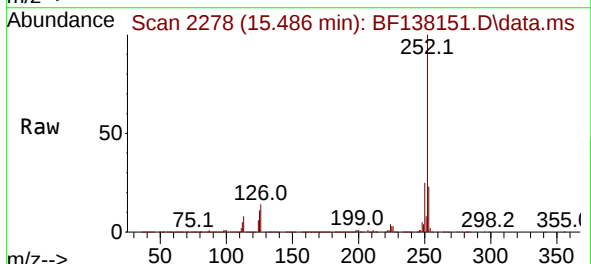
Instrument :  
BNA\_F  
ClientSampleId :  
PB161334BS

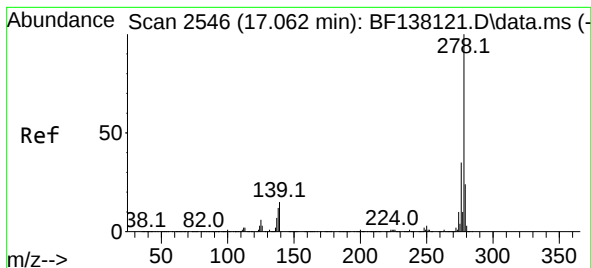
Tgt Ion:252 Resp: 2393709  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.6  
125 10.3 7.8 11.6



#90  
Benzo(a)pyrene  
Concen: 52.038 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. -0.000 min  
Lab File: BF138151.D  
Acq: 07 Jun 2024 10:35

Tgt Ion:252 Resp: 2015500  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.6  
125 10.7 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 51.924 ng

RT: 17.068 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Instrument :

BNA\_F

ClientSampleId :

PB161334BS

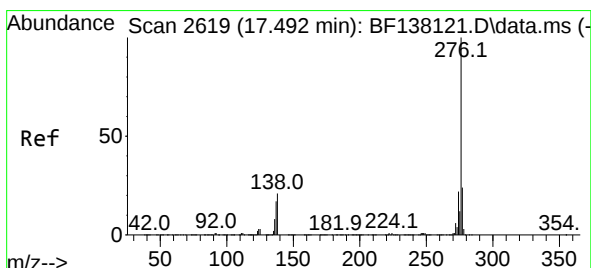
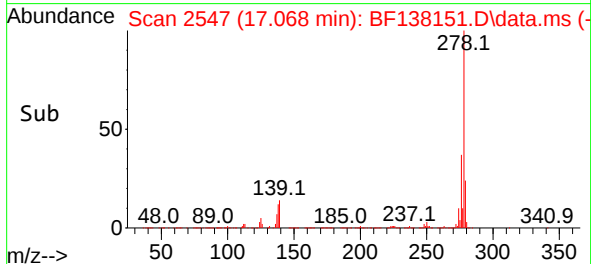
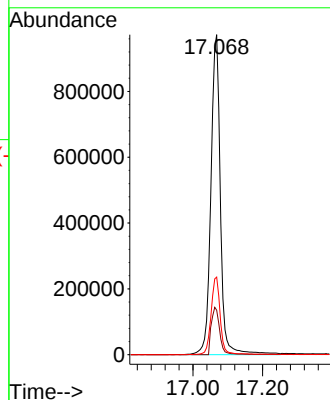
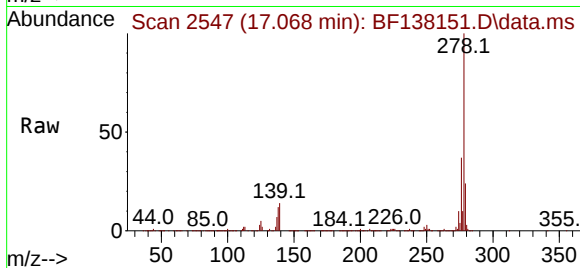
Tgt Ion:278 Resp: 1851012

Ion Ratio Lower Upper

278 100

139 13.9 11.7 17.5

279 24.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 51.514 ng

RT: 17.498 min Scan# 2620

Delta R.T. 0.006 min

Lab File: BF138151.D

Acq: 07 Jun 2024 10:35

Tgt Ion:276 Resp: 1903505

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 19.7 16.5 24.7

