

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070124\  
 Data File : BF138398.D  
 Acq On : 01 Jul 2024 12:28  
 Operator : CG\JU  
 Sample : PB161809BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161809BSD

Quant Time: Jul 01 12:57:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 209693   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 874138   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 469795   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 757509   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 312092   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 344844   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1521853  | 120.326 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 2071106  | 121.560 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1354121  | 80.472  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 456293   | 118.879 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 2191199  | 74.228  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1850554  | 81.259  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.757  | 88   | 210001   | 35.250  | ng    | 98       |
| 3) Pyridine                   | 3.498  | 79   | 524065   | 36.874  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 395922   | 44.653  | ng    | 99       |
| 6) Aniline                    | 6.539  | 93   | 501374   | 30.155  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 643191   | 47.371  | ng    | 97       |
| 10) Phenol                    | 6.534  | 94   | 800612   | 44.106  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 646115   | 45.321  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 633579   | 40.748  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 634435   | 40.693  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 615767   | 42.783  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 583770   | 47.837  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 1263155  | 43.927  | ng    | 94       |
| 17) 2-Methylphenol            | 7.134  | 107  | 506102   | 44.976  | ng    | 97       |
| 18) Hexachloroethane          | 7.386  | 117  | 239144   | 42.526  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 469347   | 43.697  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 590180   | 45.139  | ng    | 98       |
| 22) Acetophenone              | 7.286  | 105  | 818845   | 41.291  | ng    | 99       |
| 24) Nitrobenzene              | 7.463  | 77   | 703871   | 41.126  | ng    | 97       |
| 25) Isophorone                | 7.698  | 82   | 1331250  | 42.905  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 342838   | 46.440  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 457046   | 48.374  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 808065   | 43.267  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 523256   | 43.119  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 560742   | 39.742  | ng    | 100      |
| 31) Naphthalene               | 8.181  | 128  | 1795349  | 40.628  | ng    | 100      |
| 32) Benzoic acid              | 7.957  | 122  | 387589   | 45.147  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 333700   | 21.622  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 323784   | 38.221  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 111123   | 28.999  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 565080   | 43.717  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 1154978  | 40.441  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 1072008  | 38.704  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 517955   | 39.859  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 433026   | 113.210 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 356562   | 43.122  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 371801   | 41.345  | ng    | 97       |

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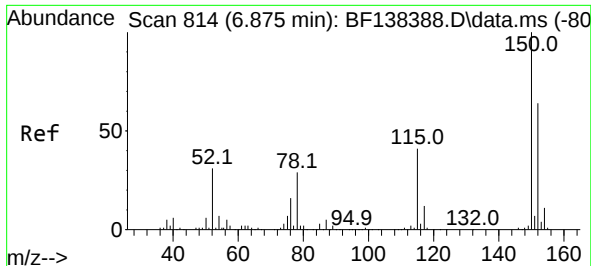
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161809BSD

Quant Time: Jul 01 12:57:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
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 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 1420856  | 40.506 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 1078289  | 40.317 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 397163   | 46.036 | ng    | 96       |
| 49) Acenaphthylene            | 9.775  | 152  | 1663541  | 44.227 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 1288869  | 42.688 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 291084   | 43.046 | ng    | 96       |
| 52) Acenaphthene              | 9.945  | 154  | 1005743  | 39.050 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 203585   | 30.483 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 268248   | 92.249 | ng    | 99       |
| 55) Dibenzofuran              | 10.122 | 168  | 1472189  | 41.486 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 421959   | 97.445 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 368383   | 44.245 | ng    | 96       |
| 58) Fluorene                  | 10.463 | 166  | 1085038  | 38.481 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 306491   | 45.887 | ng    | 99       |
| 60) Diethylphthalate          | 10.333 | 149  | 1203362  | 42.629 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 553384   | 38.681 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 272227   | 44.408 | ng    | 98       |
| 63) Azobenzene                | 10.610 | 77   | 1312551  | 44.027 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 190931   | 47.186 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 1002293  | 42.620 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 337965   | 41.508 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 358685   | 39.967 | ng    | 98       |
| 69) Atrazine                  | 11.098 | 200  | 295759   | 44.855 | ng    | 100      |
| 70) Pentachlorophenol         | 11.204 | 266  | 399761   | 87.765 | ng    | 98       |
| 71) Phenanthrene              | 11.422 | 178  | 1586569  | 42.898 | ng    | 99       |
| 72) Anthracene                | 11.474 | 178  | 1605582  | 43.531 | ng    | 99       |
| 73) Carbazole                 | 11.627 | 167  | 1340615  | 43.780 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1745878  | 44.989 | ng    | 100      |
| 75) Fluoranthene              | 12.610 | 202  | 1443447  | 43.533 | ng    | 99       |
| 77) Benzidine                 | 12.727 | 184  | 126787   | 50.804 | ng    | 98       |
| 78) Pyrene                    | 12.833 | 202  | 1419492  | 42.555 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 507157   | 49.966 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 886614   | 44.137 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 224268   | 37.814 | ng    | 99       |
| 83) Chrysene                  | 14.057 | 228  | 871072   | 44.564 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 610345   | 47.949 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.615 | 149  | 994314   | 44.628 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.962 | 276  | 824251   | 47.571 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 861758   | 45.547 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 846539   | 48.576 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 810699   | 48.885 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 657996   | 47.046 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 615613   | 44.993 | ng    | 97       |

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

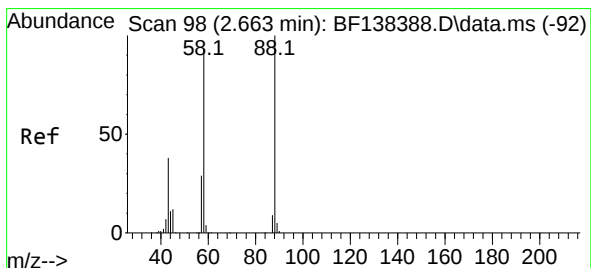
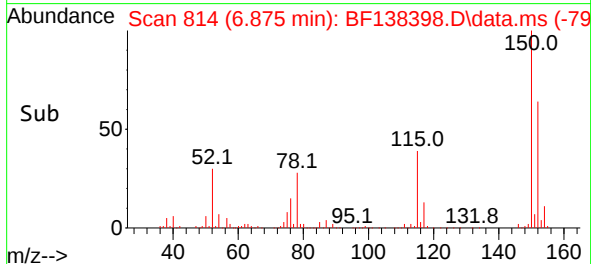
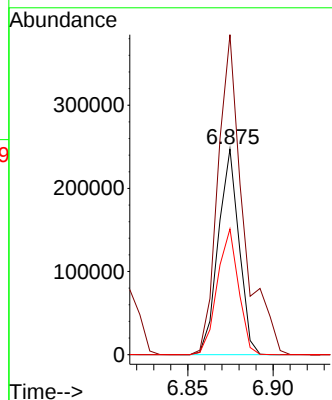
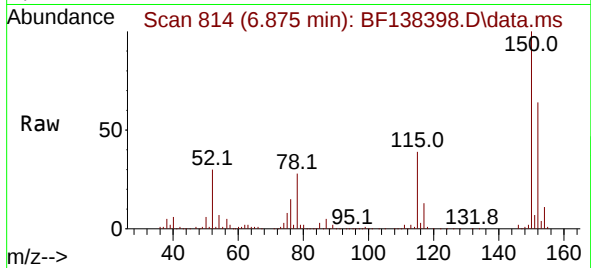




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

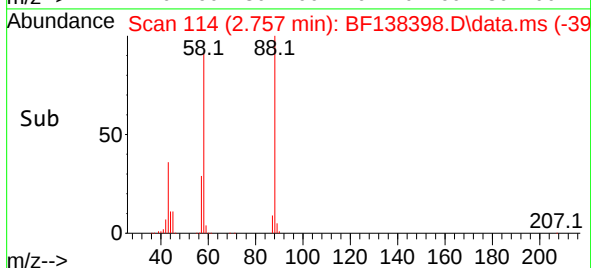
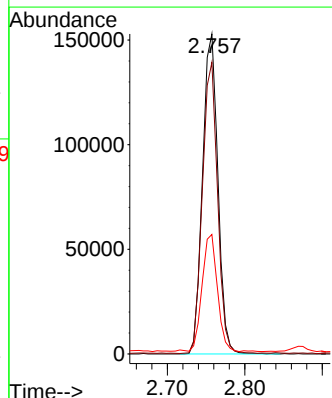
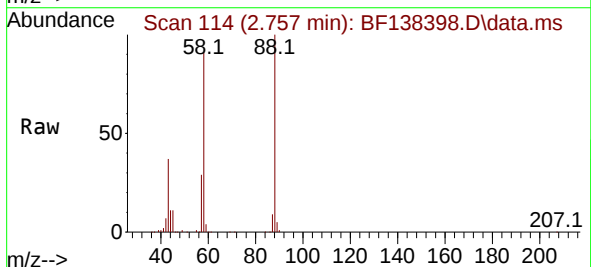
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

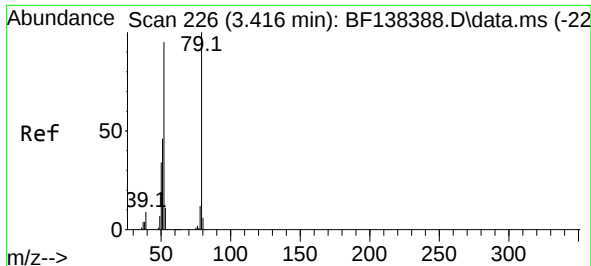
Tgt Ion:152 Resp: 209693  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.9 187.3  
115 61.2 50.8 76.2



#2  
1,4-Dioxane  
Concen: 35.250 ng  
RT: 2.757 min Scan# 114  
Delta R.T. 0.094 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 88 Resp: 210001  
Ion Ratio Lower Upper  
88 100  
58 90.1 73.7 110.5  
43 36.6 30.1 45.1

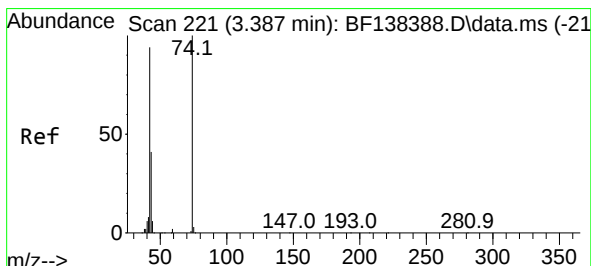
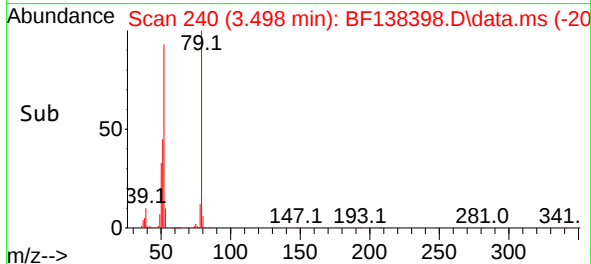
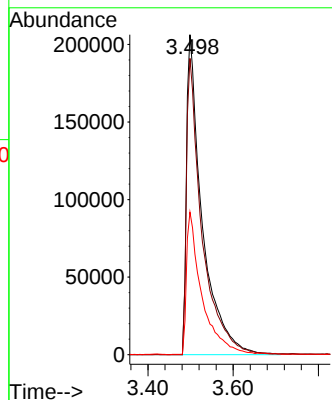
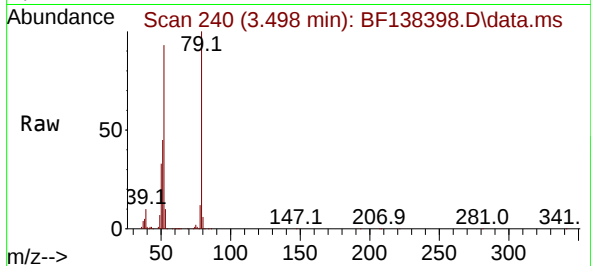




#3  
 Pyridine  
 Concen: 36.874 ng  
 RT: 3.498 min Scan# 24  
 Delta R.T. 0.082 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

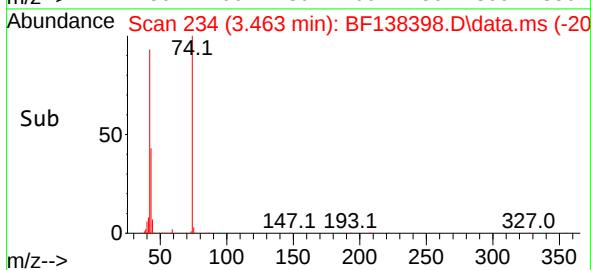
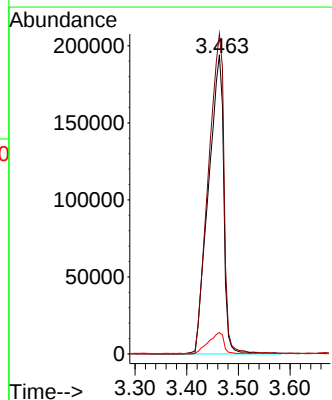
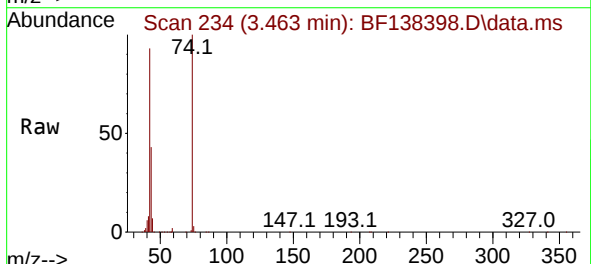
Instrument :  
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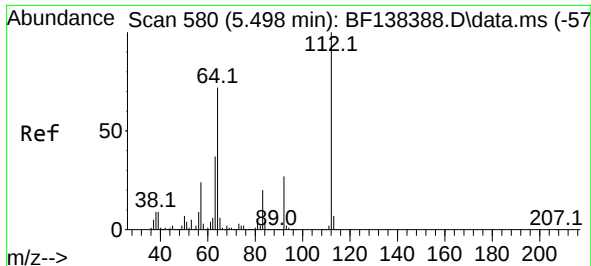
Tgt Ion: 79 Resp: 524065  
 Ion Ratio Lower Upper  
 79 100  
 52 92.6 76.2 114.2  
 51 44.5 36.7 55.1



#4  
 n-Nitrosodimethylamine  
 Concen: 44.653 ng  
 RT: 3.463 min Scan# 234  
 Delta R.T. 0.076 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

Tgt Ion: 42 Resp: 395922  
 Ion Ratio Lower Upper  
 42 100  
 74 107.0 85.1 127.7  
 44 7.2 5.5 8.3

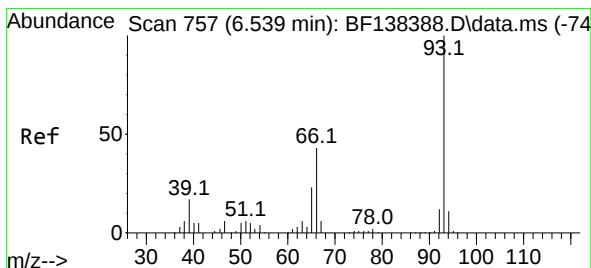
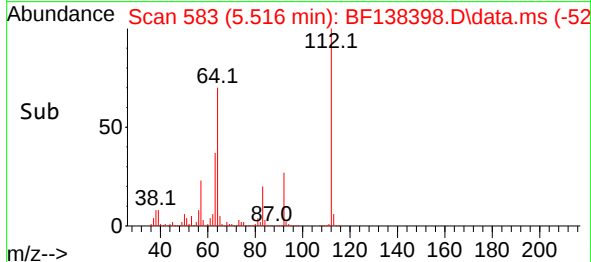
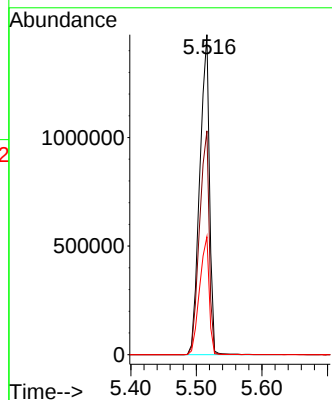
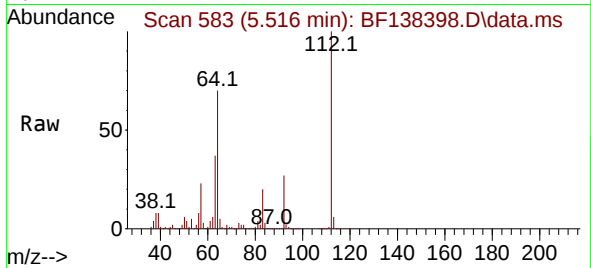




#5  
2-Fluorophenol  
Concen: 120.326 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.018 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

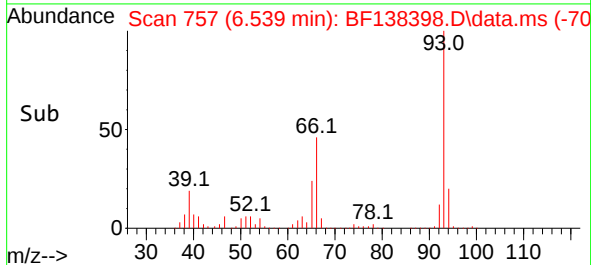
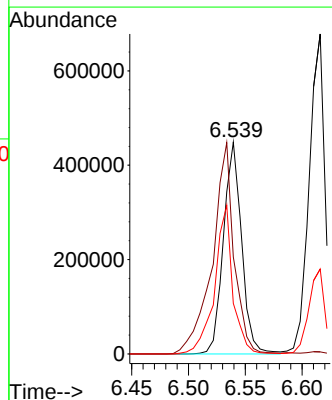
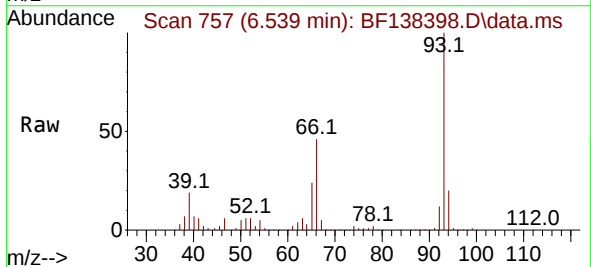
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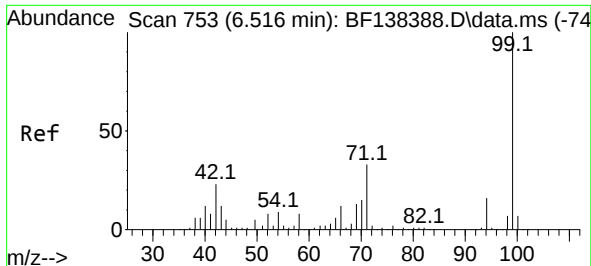
Tgt Ion:112 Resp: 1521853  
Ion Ratio Lower Upper  
112 100  
64 70.0 57.2 85.8  
63 36.8 29.4 44.0



#6  
Aniline  
Concen: 30.155 ng  
RT: 6.539 min Scan# 757  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
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Tgt Ion: 93 Resp: 501374  
Ion Ratio Lower Upper  
93 100  
66 45.8 34.7 52.1  
65 23.8 18.5 27.7

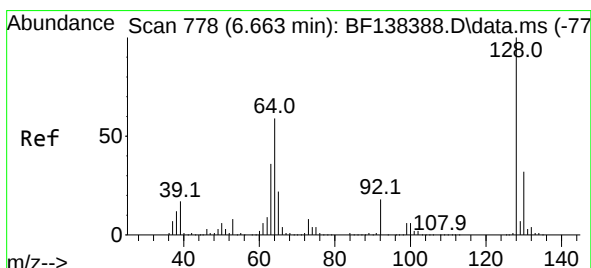
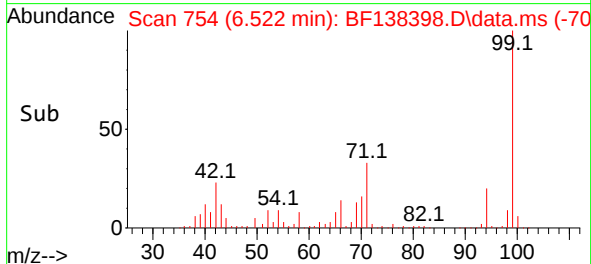
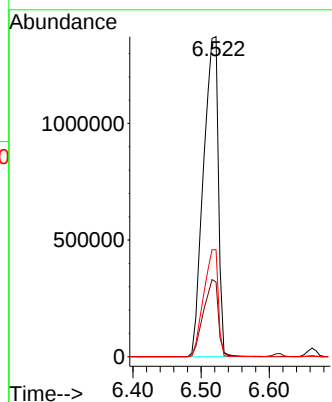
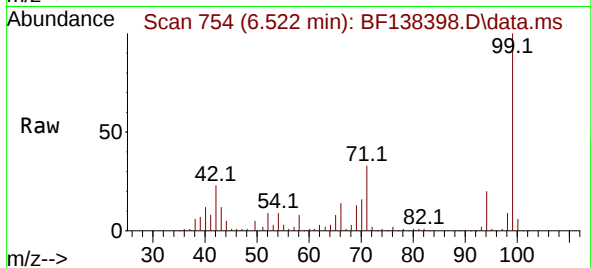




#7  
Phenol-d6  
Concen: 121.560 ng  
RT: 6.522 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

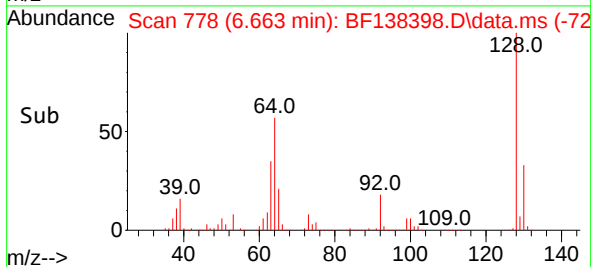
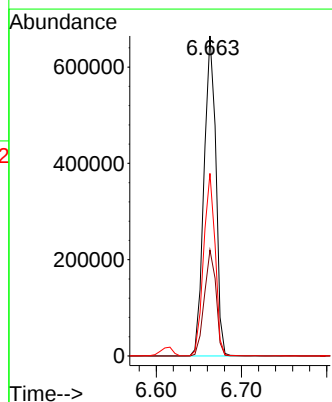
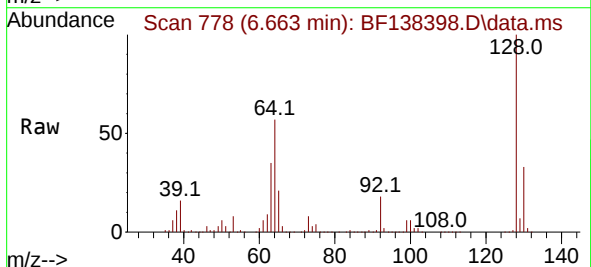
Instrument :  
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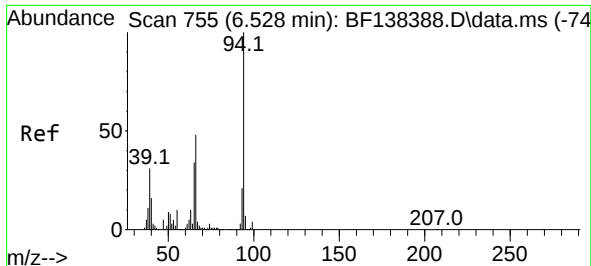
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Ion Ratio Lower Upper  
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42 23.3 18.5 27.7  
71 33.5 26.1 39.1



#8  
2-Chlorophenol  
Concen: 47.371 ng  
RT: 6.663 min Scan# 778  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:128 Resp: 643191  
Ion Ratio Lower Upper  
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64 57.1 39.6 79.6

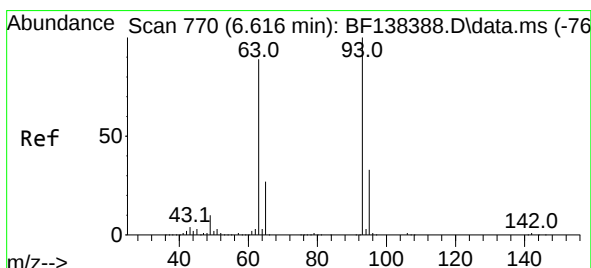
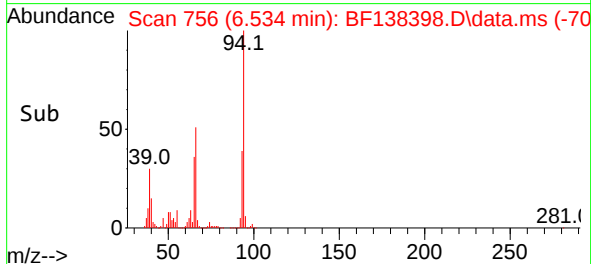
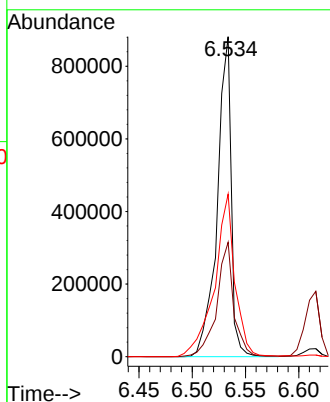
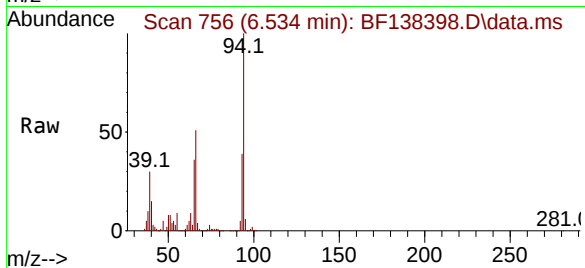




#10  
Phenol  
Concen: 44.106 ng  
RT: 6.534 min Scan# 755  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

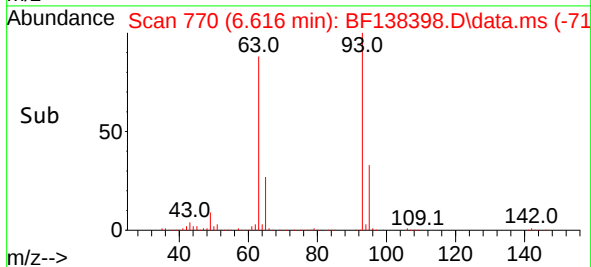
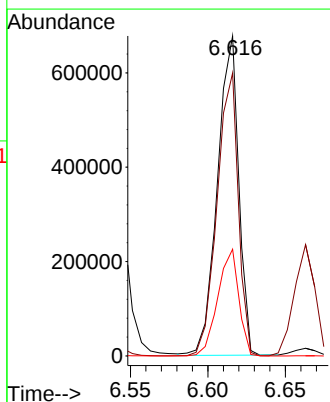
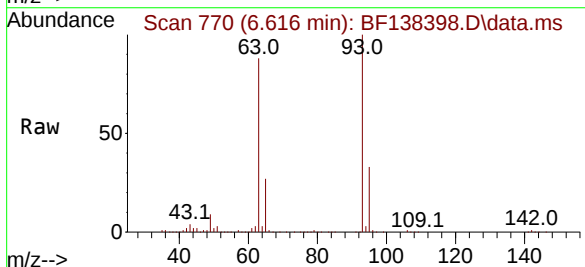
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

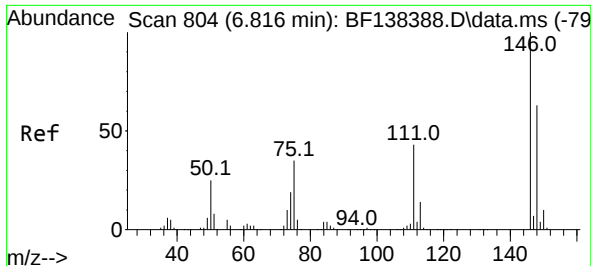
Tgt Ion: 94 Resp: 800612  
Ion Ratio Lower Upper  
94 100  
65 35.7 14.2 54.2  
66 50.8 27.9 67.9



#11  
bis(2-Chloroethyl)ether  
Concen: 45.321 ng  
RT: 6.616 min Scan# 770  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 93 Resp: 646115  
Ion Ratio Lower Upper  
93 100  
63 88.4 68.2 108.2  
95 33.3 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 40.748 ng

RT: 6.816 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

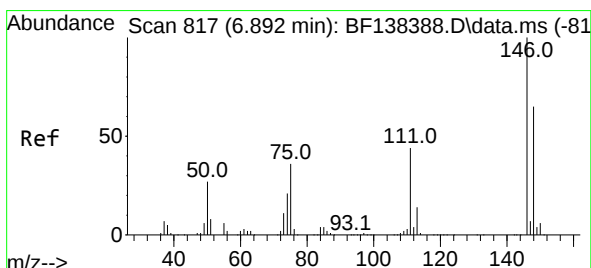
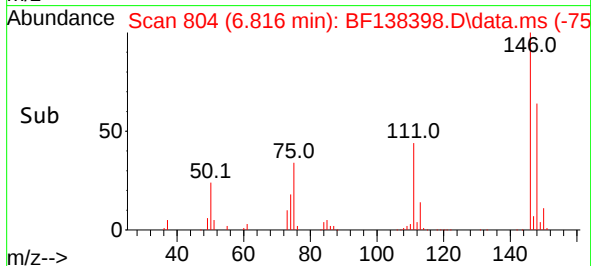
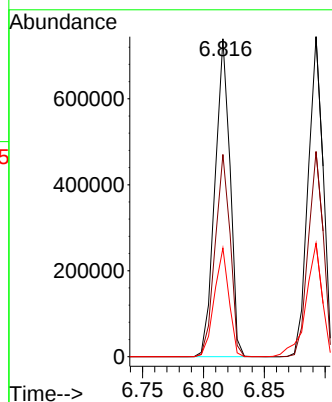
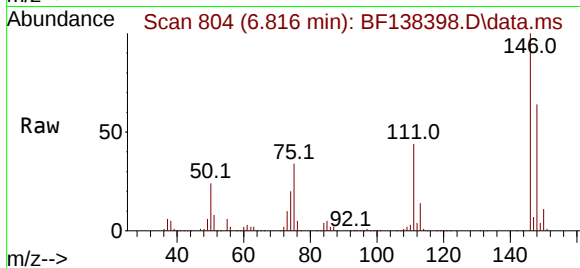
Tgt Ion:146 Resp: 633579

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

75 34.2 27.8 41.6



#13

1,4-Dichlorobenzene

Concen: 40.693 ng

RT: 6.892 min Scan# 817

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

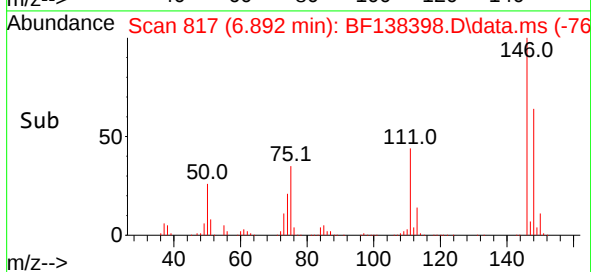
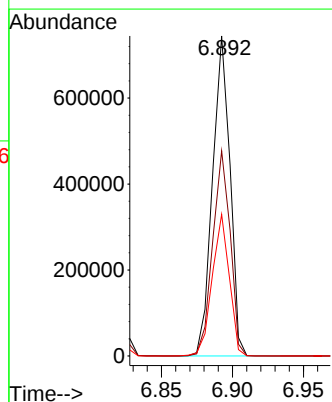
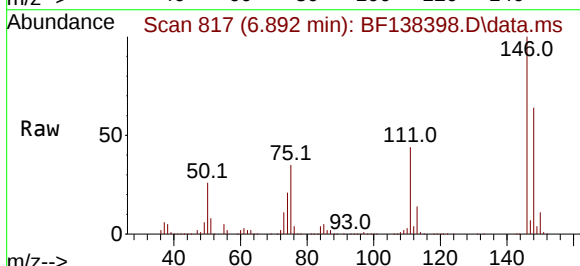
Tgt Ion:146 Resp: 634435

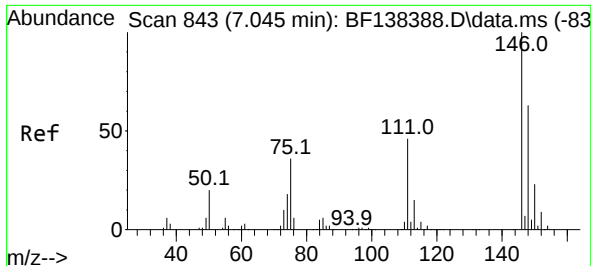
Ion Ratio Lower Upper

146 100

148 64.1 52.0 78.0

111 44.3 35.4 53.0

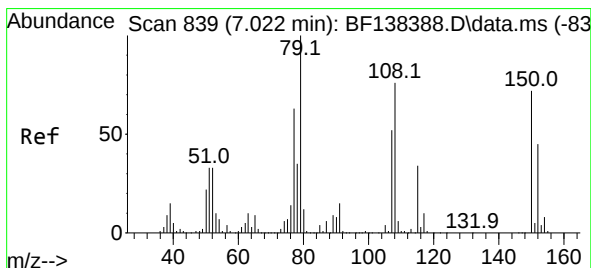
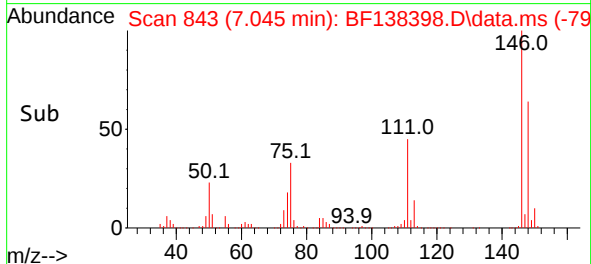
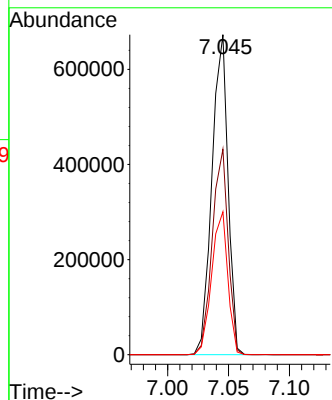
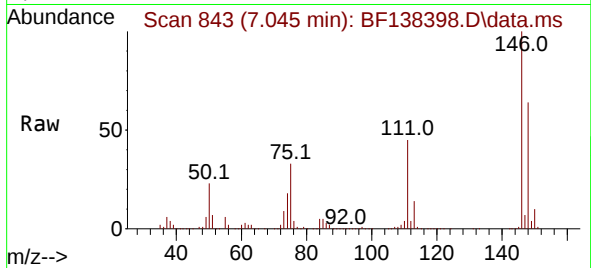




#14  
1,2-Dichlorobenzene  
Concen: 42.783 ng  
RT: 7.045 min Scan# 843  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

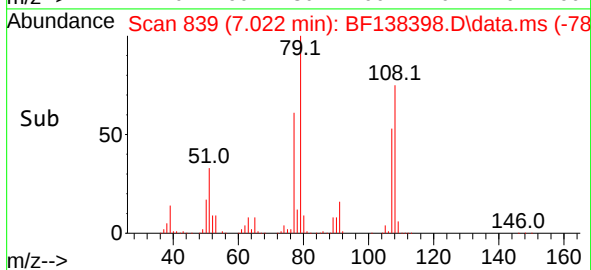
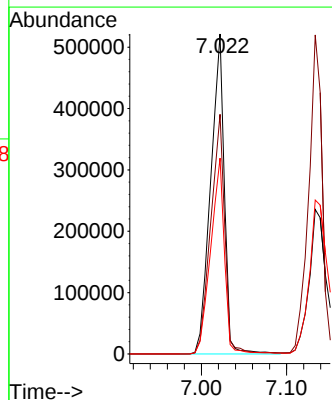
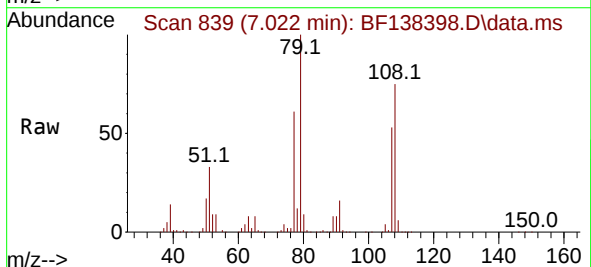
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

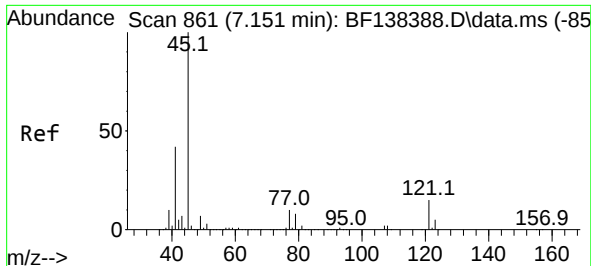
Tgt Ion:146 Resp: 615767  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.3 75.5  
111 44.7 37.1 55.7



#15  
Benzyl Alcohol  
Concen: 47.837 ng  
RT: 7.022 min Scan# 839  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 79 Resp: 583770  
Ion Ratio Lower Upper  
79 100  
108 74.9 60.9 91.3  
77 61.2 50.6 75.8

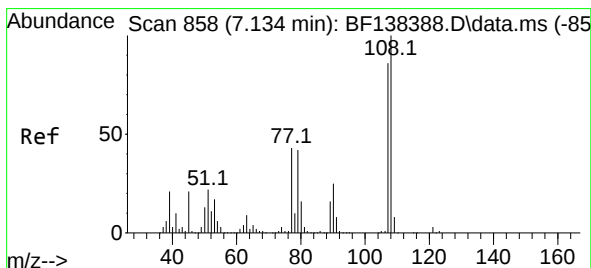
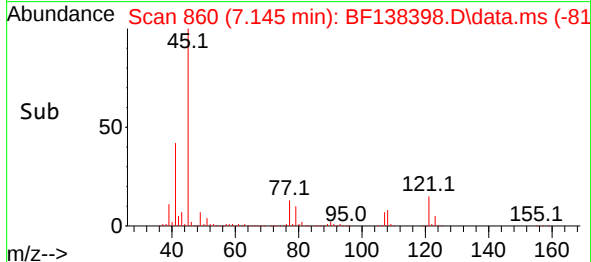
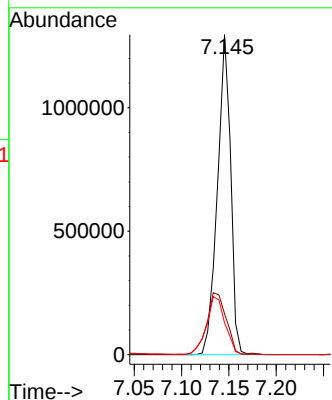
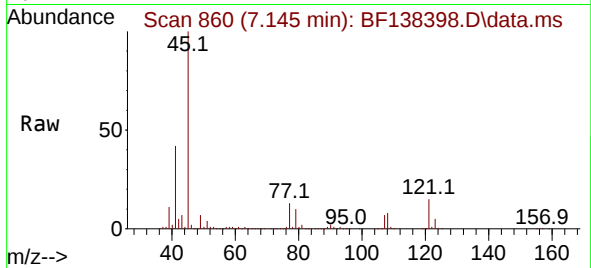




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.927 ng  
RT: 7.145 min Scan# 860  
Delta R.T. -0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

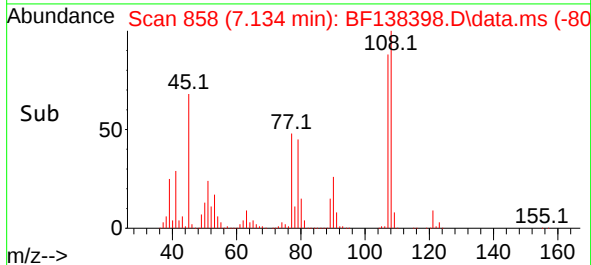
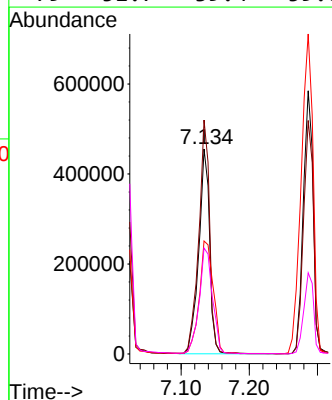
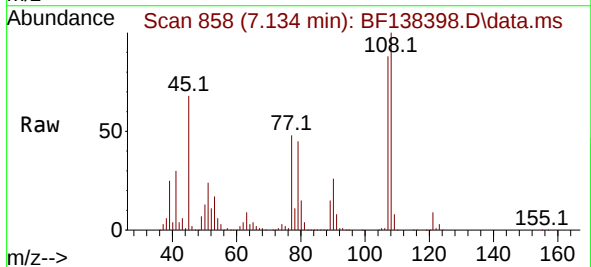
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

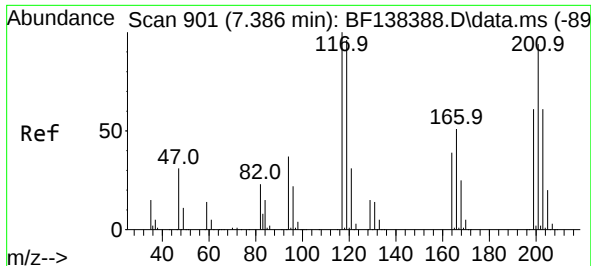
Tgt Ion: 45 Resp: 1263155  
Ion Ratio Lower Upper  
45 100  
77 12.8 0.0 30.4  
79 10.0 0.0 28.1



#17  
2-Methylphenol  
Concen: 44.976 ng  
RT: 7.134 min Scan# 858  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

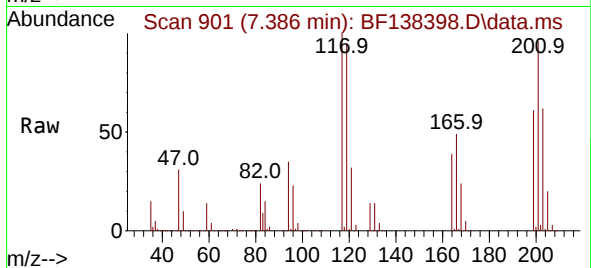
Tgt Ion:107 Resp: 506102  
Ion Ratio Lower Upper  
107 100  
108 114.1 92.6 138.8  
77 55.1 40.3 60.5  
79 51.7 39.4 59.0



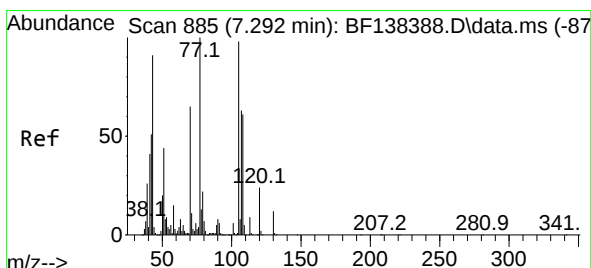
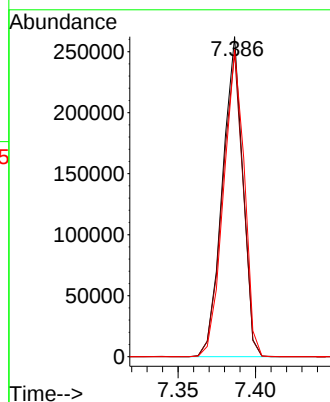
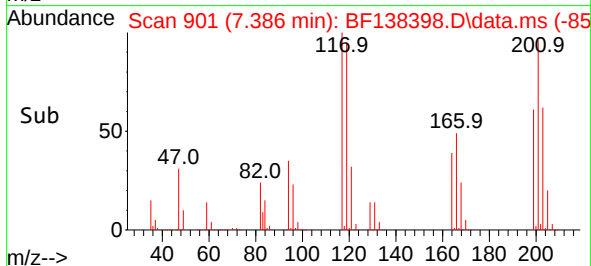


#18  
Hexachloroethane  
Concen: 42.526 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

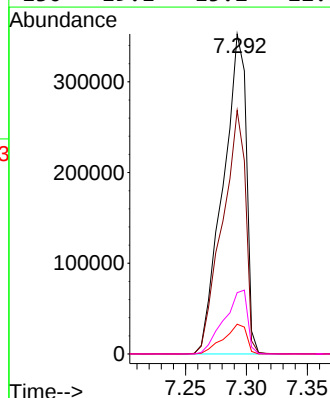
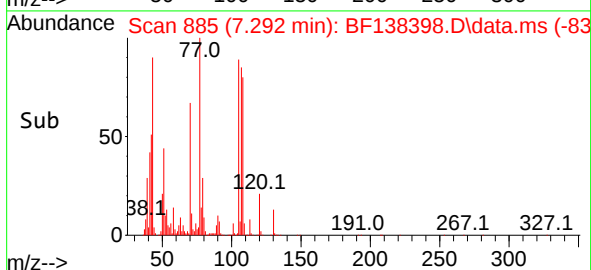
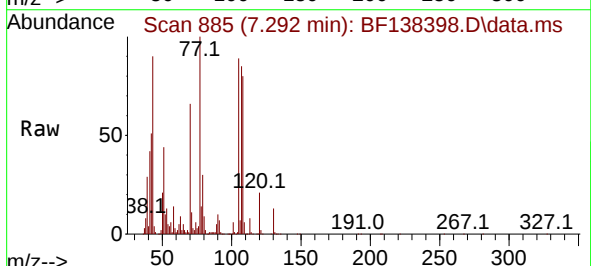


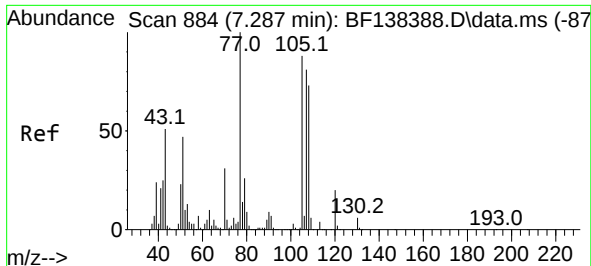
Tgt Ion:117 Resp: 239144  
Ion Ratio Lower Upper  
117 100  
119 95.0 77.1 115.7  
201 96.0 75.6 113.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 43.697 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 70 Resp: 469347  
Ion Ratio Lower Upper  
70 100  
42 76.1 62.5 93.7  
101 9.3 7.0 10.4  
130 19.1 15.2 22.8

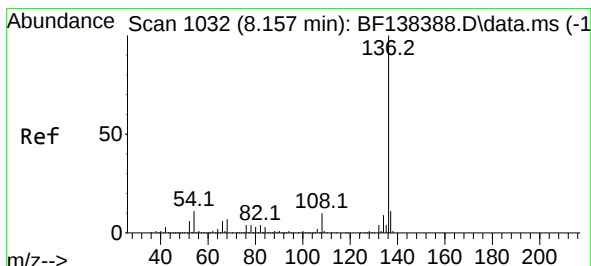
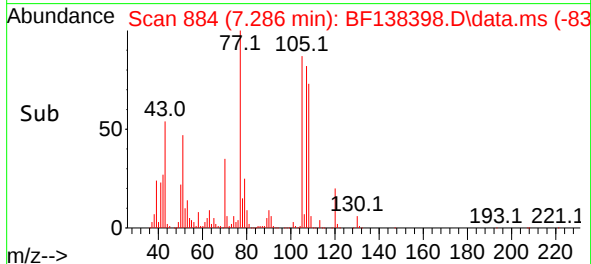
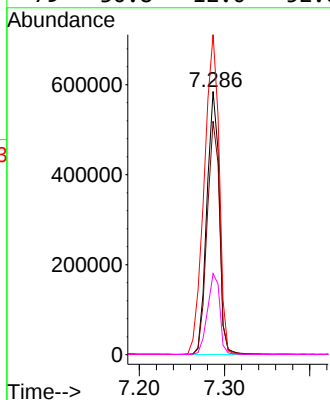
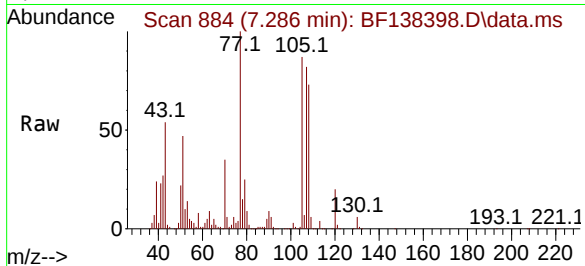




#20  
3+4-Methylphenols  
Concen: 45.139 ng  
RT: 7.286 min Scan# 884  
Delta R.T. -0.001 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

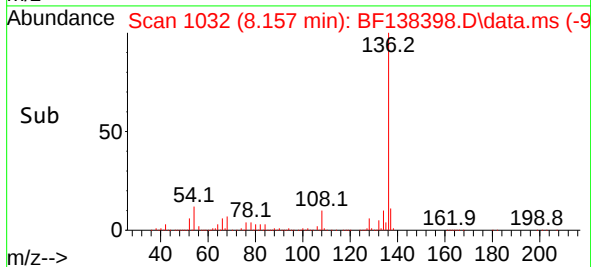
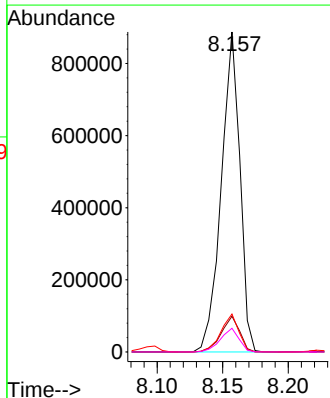
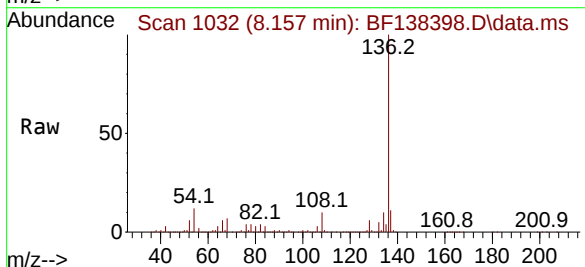
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

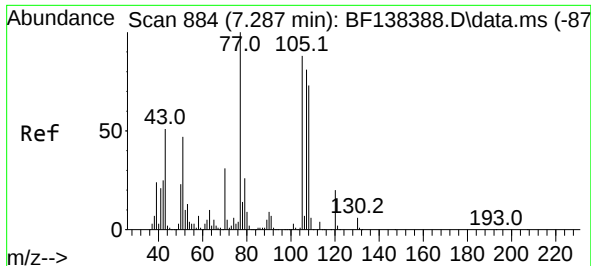
Tgt Ion:107 Resp: 590180  
Ion Ratio Lower Upper  
107 100  
108 88.7 70.8 110.8  
77 121.6 104.0 144.0  
79 30.8 12.0 52.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:136 Resp: 874138  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 11.8 9.0 13.4  
68 7.4 5.4 8.0

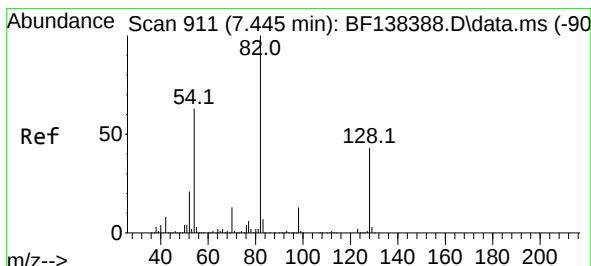
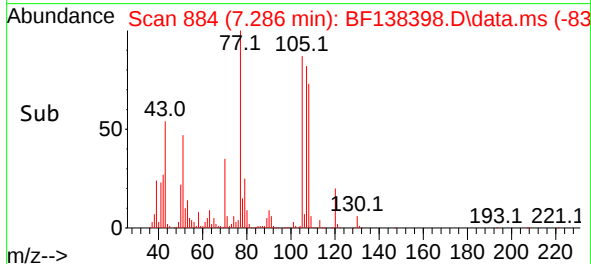
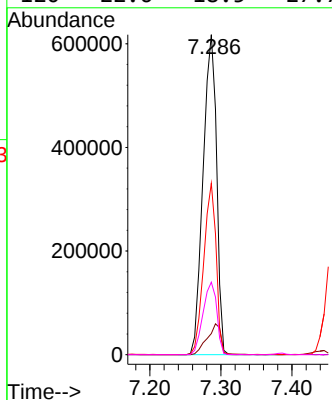
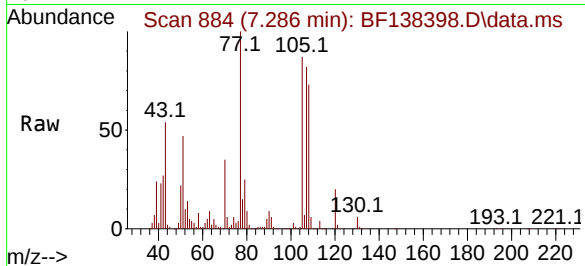




#22  
Acetophenone  
Concen: 41.291 ng  
RT: 7.286 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

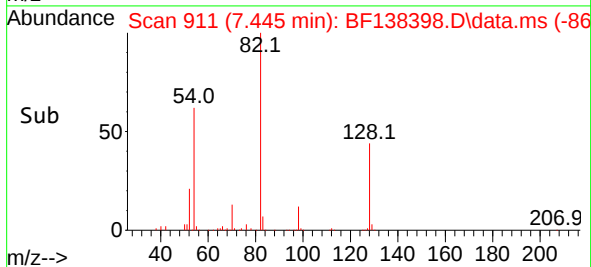
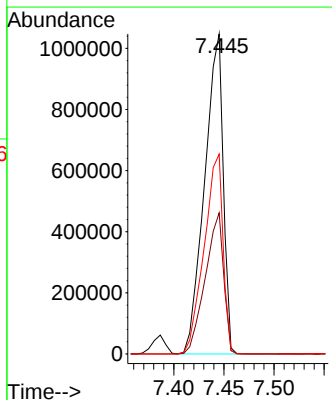
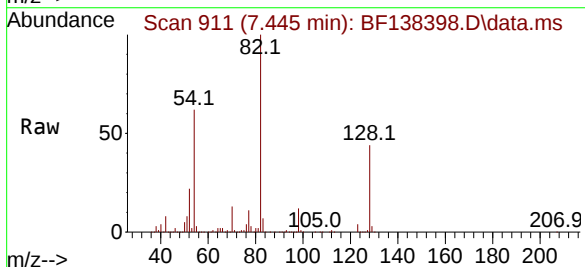
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

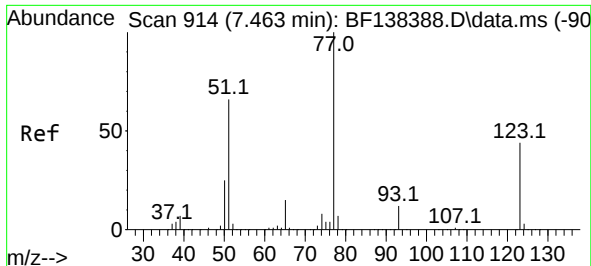
Tgt Ion:105 Resp: 818845  
Ion Ratio Lower Upper  
105 100  
71 6.6 4.7 7.1  
51 53.5 43.2 64.8  
120 22.6 18.5 27.7



#23  
Nitrobenzene-d5  
Concen: 80.472 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 82 Resp: 1354121  
Ion Ratio Lower Upper  
82 100  
128 44.1 34.6 52.0  
54 62.5 50.5 75.7

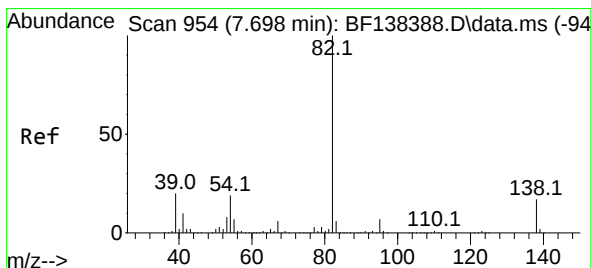
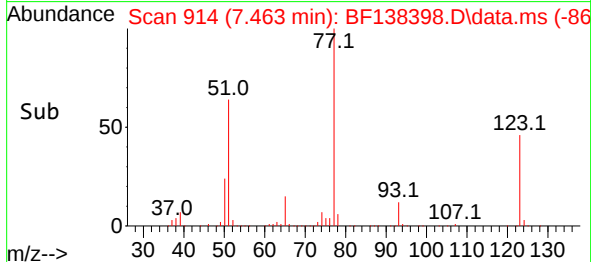
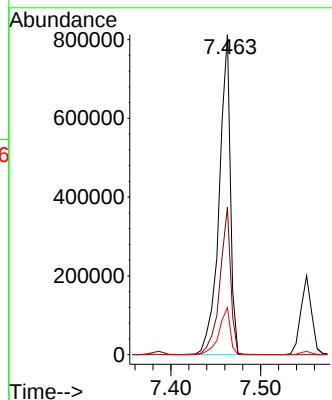
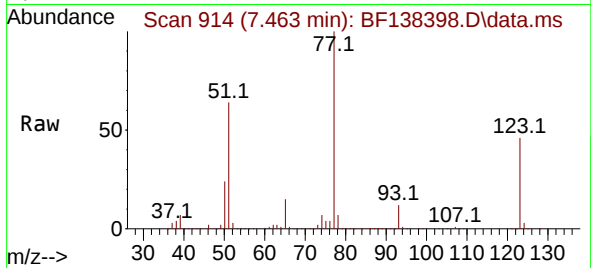




#24  
Nitrobenzene  
Concen: 41.126 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

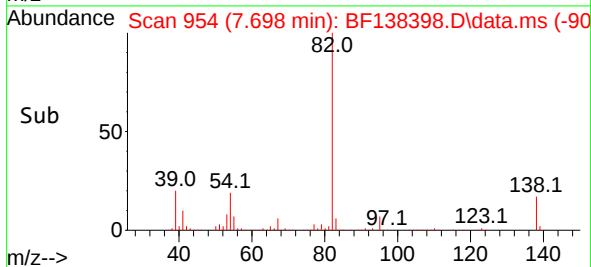
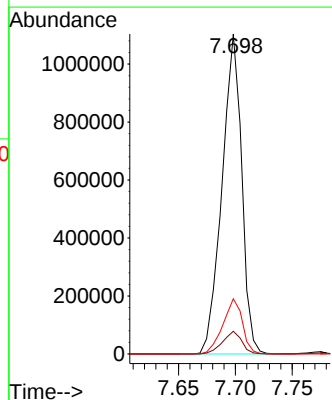
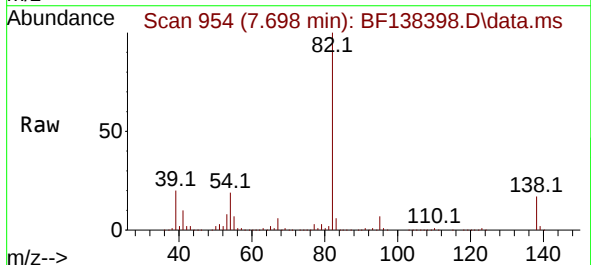
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ClientSampleId :  
PB161809BSD

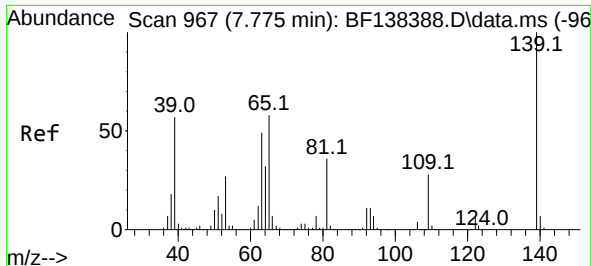
Tgt Ion: 77 Resp: 703871  
Ion Ratio Lower Upper  
77 100  
123 46.0 35.0 52.6  
65 14.7 12.1 18.1



#25  
Isophorone  
Concen: 42.905 ng  
RT: 7.698 min Scan# 954  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 82 Resp: 1331250  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.7 8.5  
138 17.3 13.4 20.2

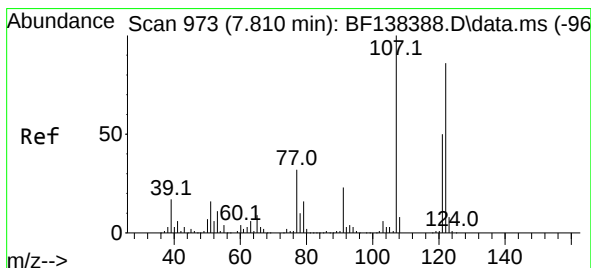
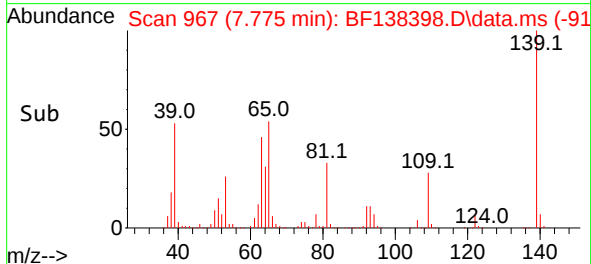
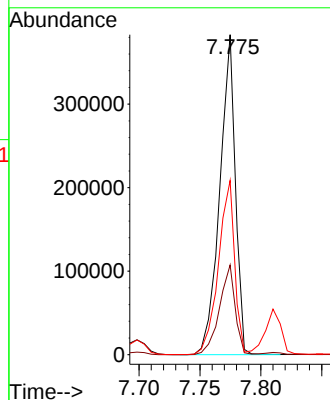
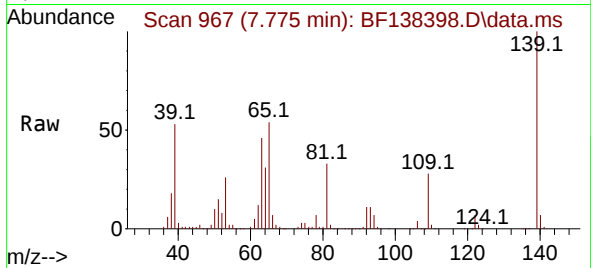




#26  
2-Nitrophenol  
Concen: 46.440 ng  
RT: 7.775 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

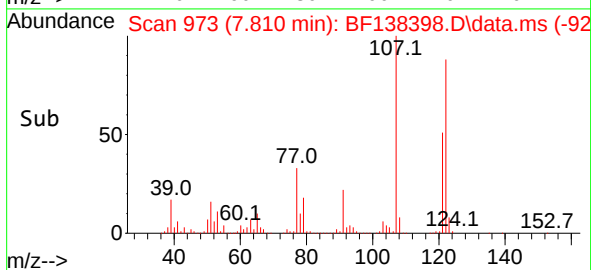
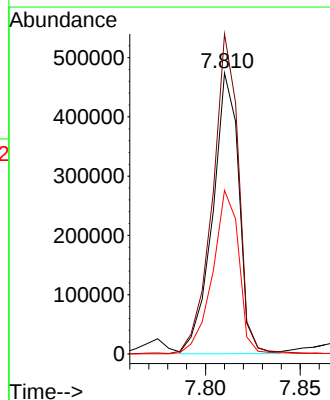
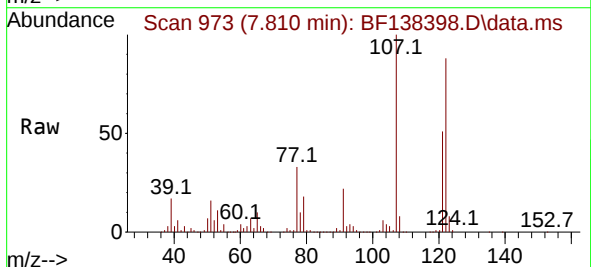
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

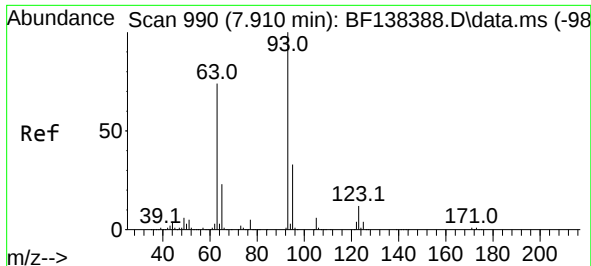
Tgt Ion:139 Resp: 342838  
Ion Ratio Lower Upper  
139 100  
109 28.1 22.5 33.7  
65 54.5 46.2 69.2



#27  
2,4-Dimethylphenol  
Concen: 48.374 ng  
RT: 7.810 min Scan# 973  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:122 Resp: 457046  
Ion Ratio Lower Upper  
122 100  
107 113.9 92.5 138.7  
121 58.2 46.5 69.7

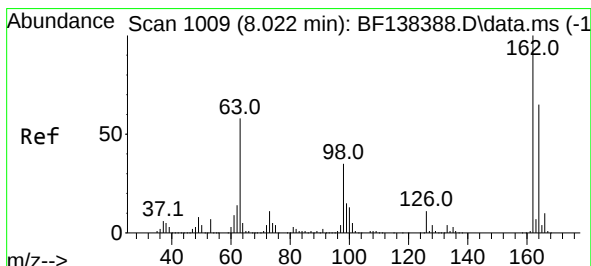
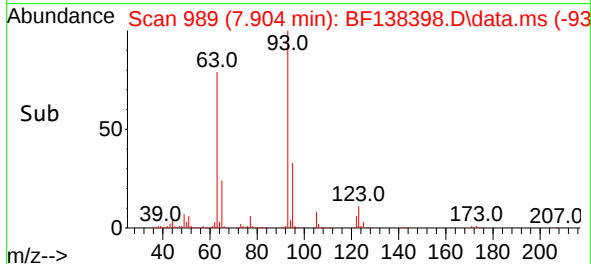
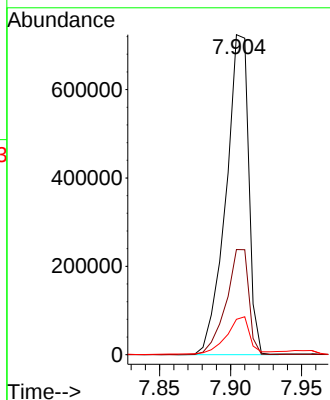
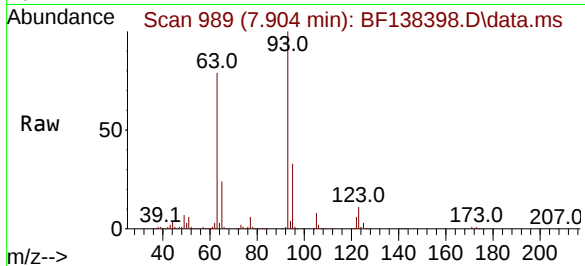




#28  
bis(2-Chloroethoxy)methane  
Concen: 43.267 ng  
RT: 7.904 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

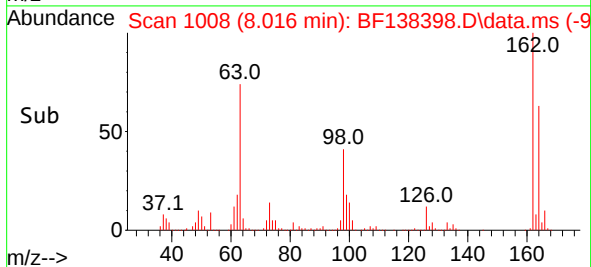
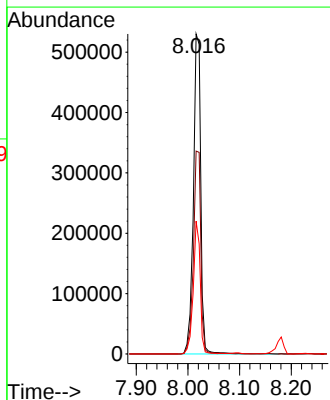
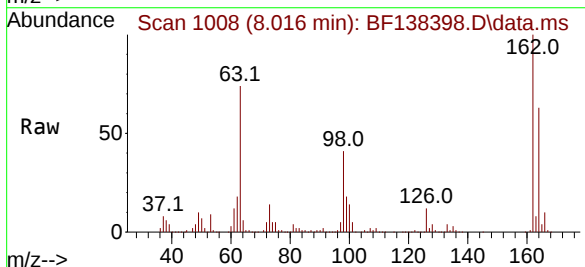
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

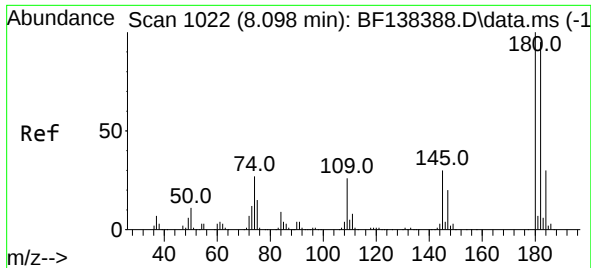
Tgt Ion: 93 Resp: 808065  
Ion Ratio Lower Upper  
93 100  
95 32.9 26.6 40.0  
123 11.0 9.6 14.4



#29  
2,4-Dichlorophenol  
Concen: 43.119 ng  
RT: 8.016 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:162 Resp: 523256  
Ion Ratio Lower Upper  
162 100  
164 63.4 45.4 85.4  
98 41.5 15.2 55.2

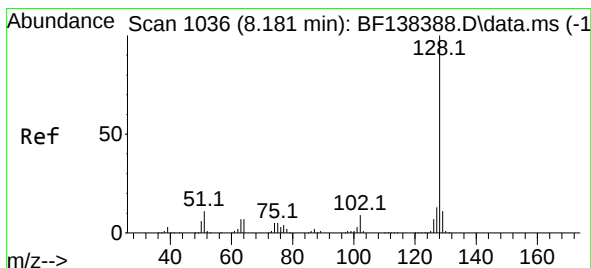
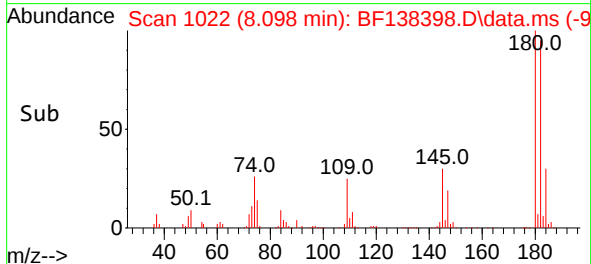
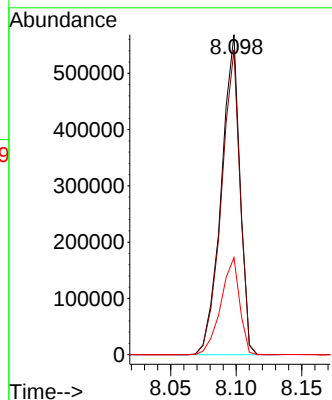
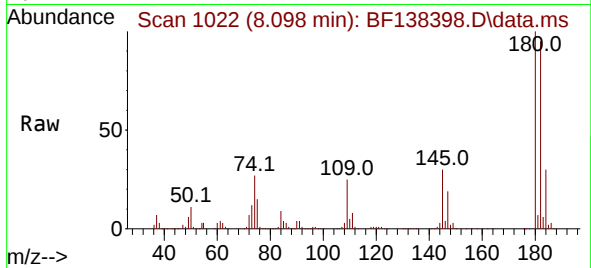




#30  
1,2,4-Trichlorobenzene  
Concen: 39.742 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

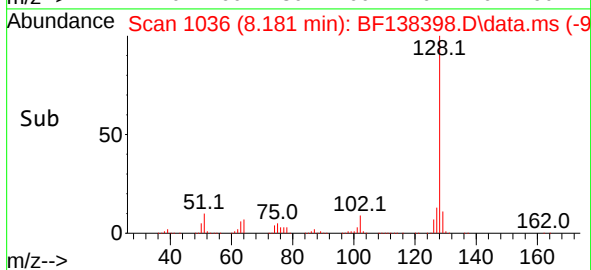
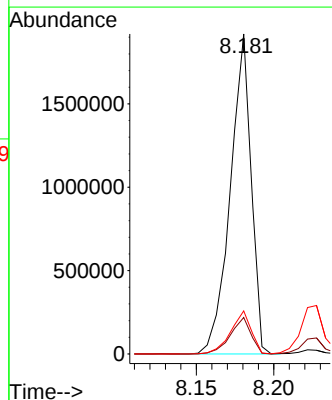
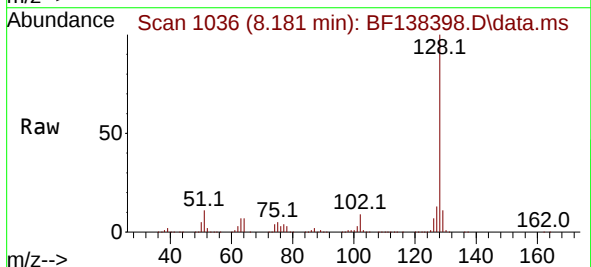
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

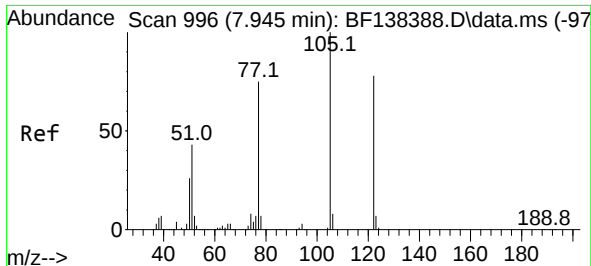
Tgt Ion:180 Resp: 560742  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.0 114.0  
145 30.4 24.2 36.2



#31  
Naphthalene  
Concen: 40.628 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:128 Resp: 1795349  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.6  
127 13.5 10.6 16.0





#32

Benzoic acid

Concen: 45.147 ng

RT: 7.957 min Scan# 996

Delta R.T. 0.012 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

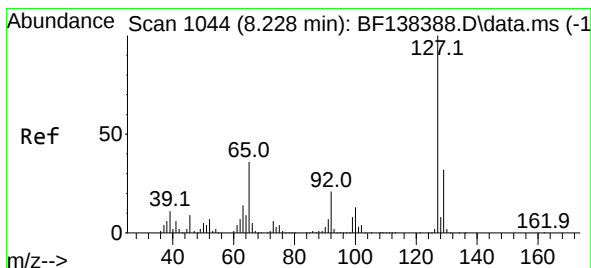
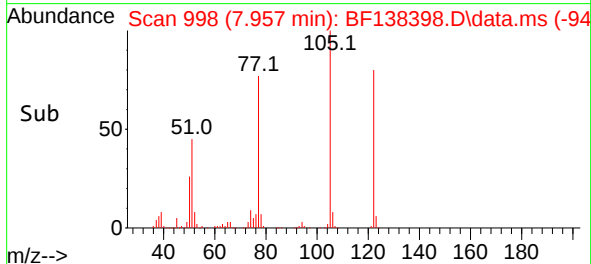
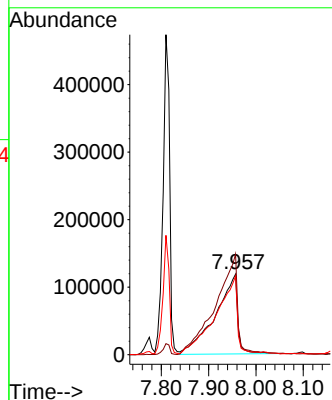
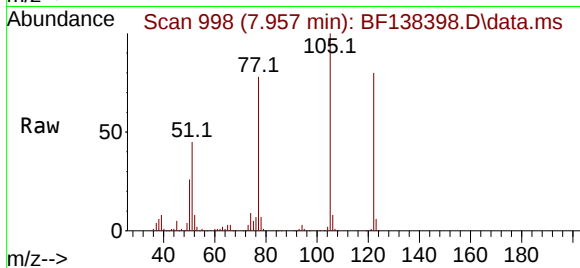
Tgt Ion:122 Resp: 387589

Ion Ratio Lower Upper

122 100

105 125.2 103.8 143.8

77 97.7 74.3 114.3



#33

4-Chloroaniline

Concen: 21.622 ng

RT: 8.228 min Scan# 1044

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Tgt Ion:127 Resp: 333700

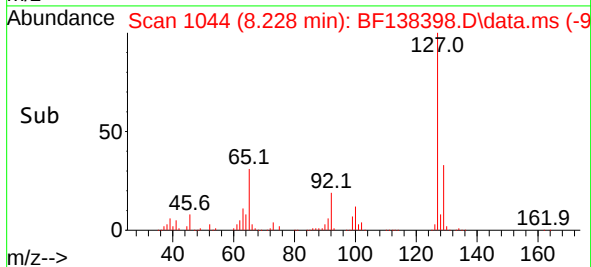
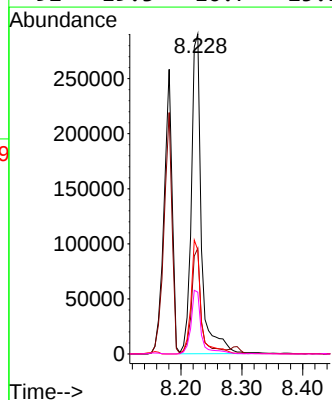
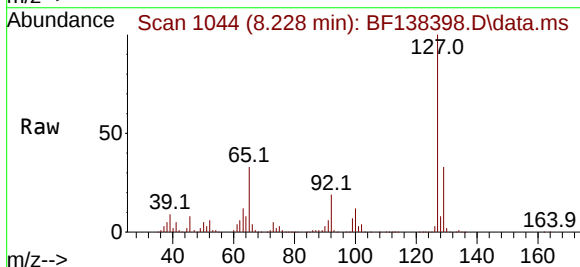
Ion Ratio Lower Upper

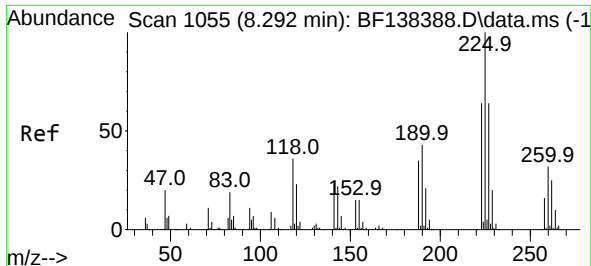
127 100

129 33.1 25.4 38.2

65 32.5 28.7 43.1

92 19.3 16.7 25.1

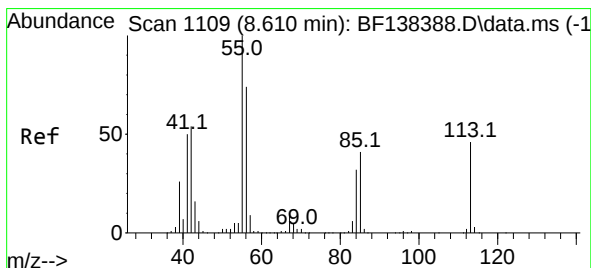
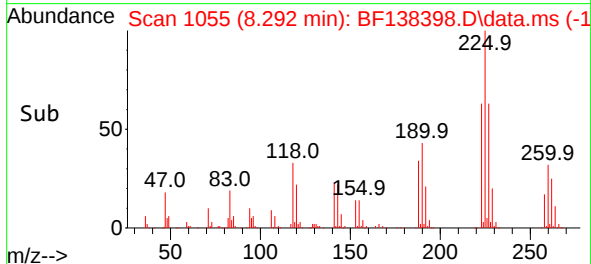
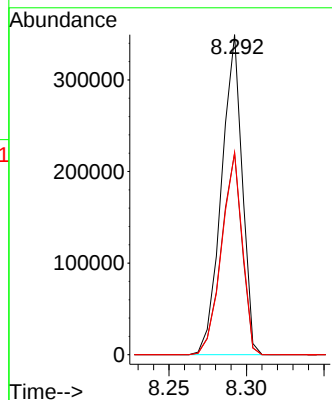
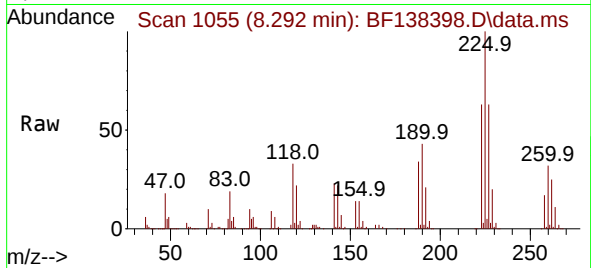




#34  
Hexachlorobutadiene  
Concen: 38.221 ng  
RT: 8.292 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

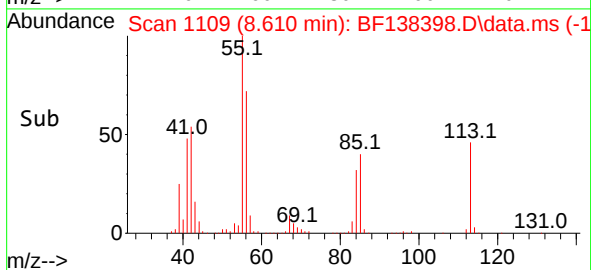
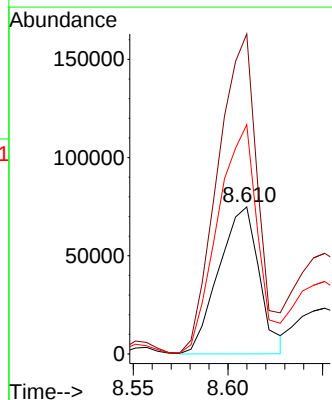
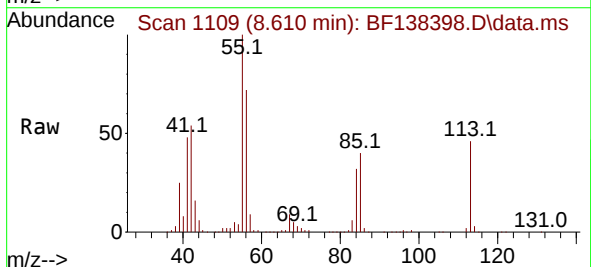
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

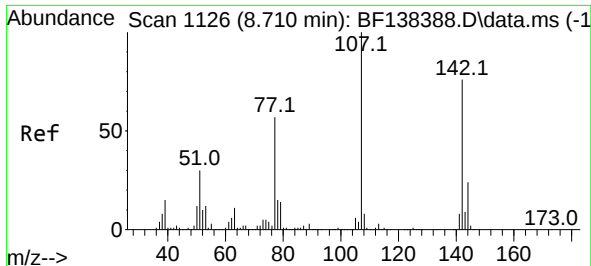
Tgt Ion:225 Resp: 323784  
Ion Ratio Lower Upper  
225 100  
223 63.0 51.0 76.6  
227 63.2 51.2 76.8



#35  
Caprolactam  
Concen: 28.999 ng  
RT: 8.610 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:113 Resp: 111123  
Ion Ratio Lower Upper  
113 100  
55 217.7 195.9 235.9  
56 156.0 138.7 178.7

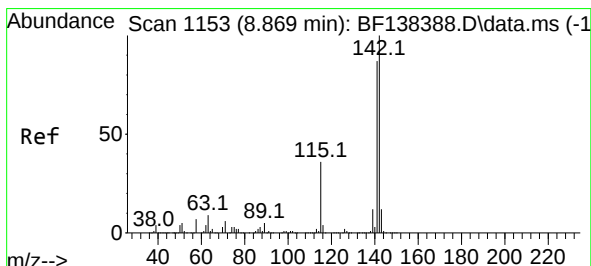
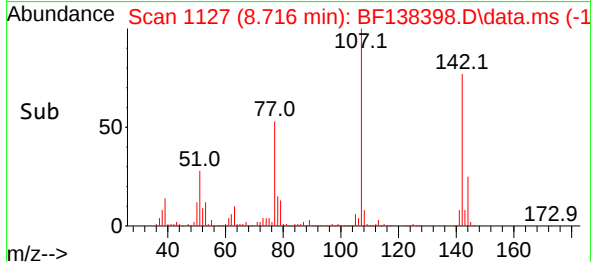
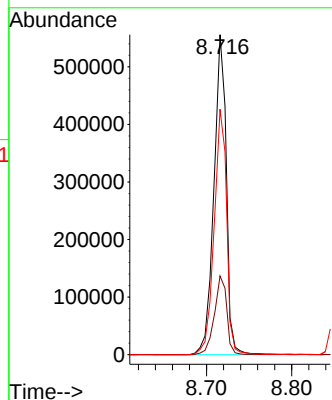
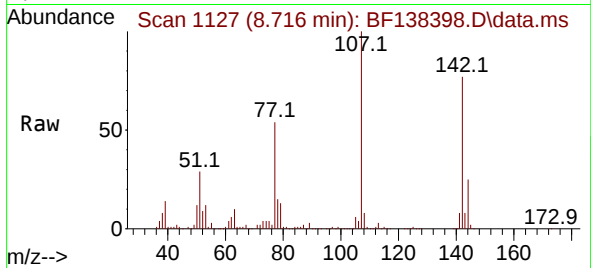




#36  
4-Chloro-3-methylphenol  
Concen: 43.717 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

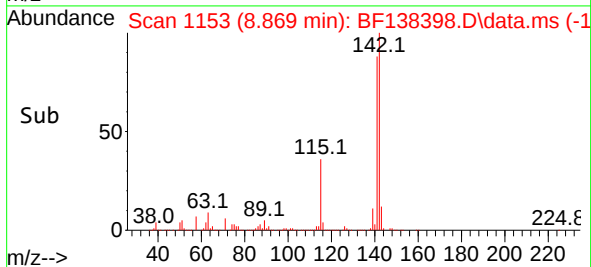
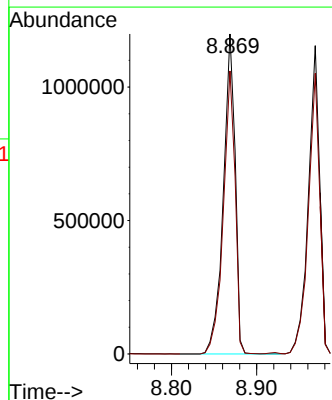
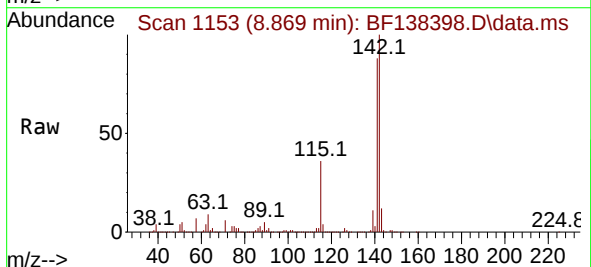
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

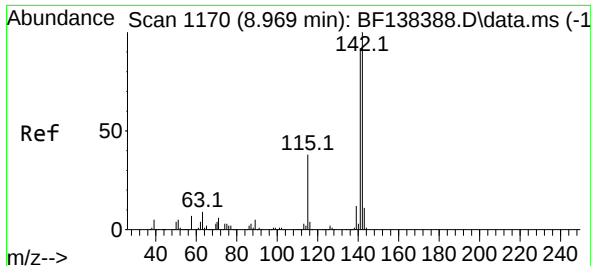
Tgt Ion:107 Resp: 565080  
Ion Ratio Lower Upper  
107 100  
144 24.6 19.2 28.8  
142 76.7 61.0 91.6



#37  
2-Methylnaphthalene  
Concen: 40.441 ng  
RT: 8.869 min Scan# 1153  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:142 Resp: 1154978  
Ion Ratio Lower Upper  
142 100  
141 88.4 69.6 104.4

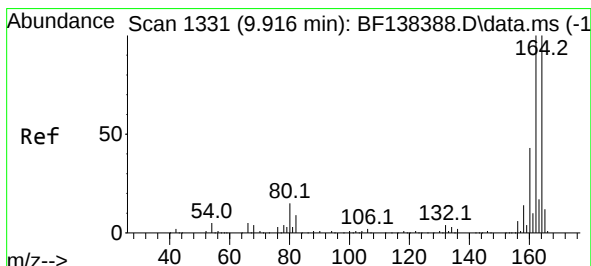
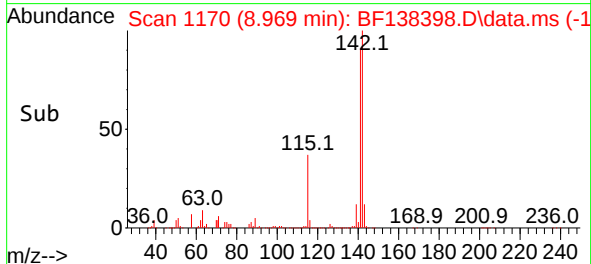
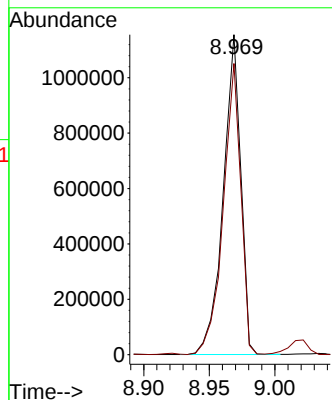
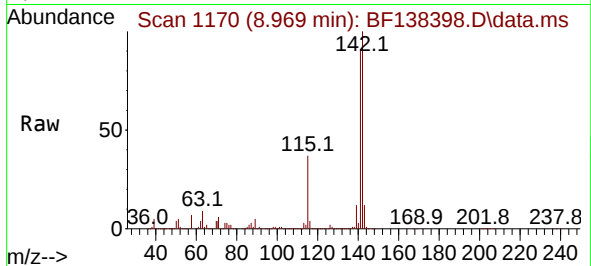




#38  
1-Methylnaphthalene  
Concen: 38.704 ng  
RT: 8.969 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

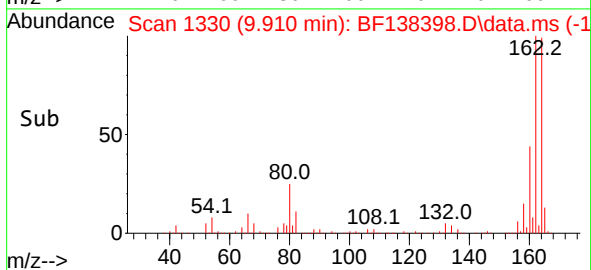
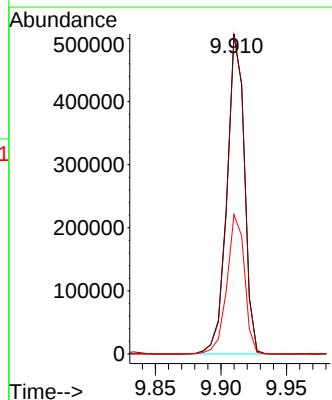
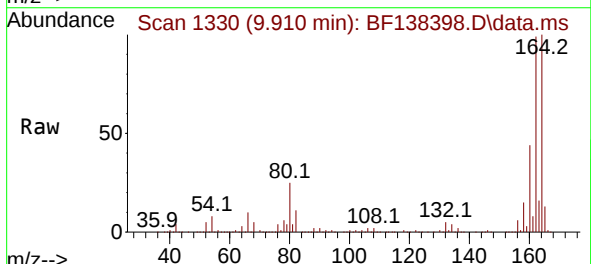
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

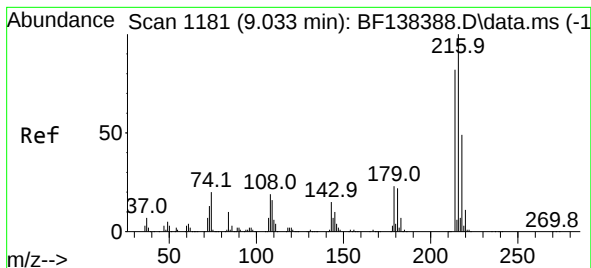
Tgt Ion:142 Resp: 1072008  
Ion Ratio Lower Upper  
142 100  
141 91.0 73.7 110.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:164 Resp: 469795  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.1 120.1  
160 43.5 34.1 51.1





#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.859 ng

RT: 9.033 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

Tgt Ion:216 Resp: 517955

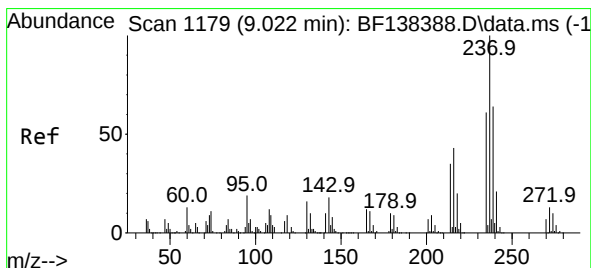
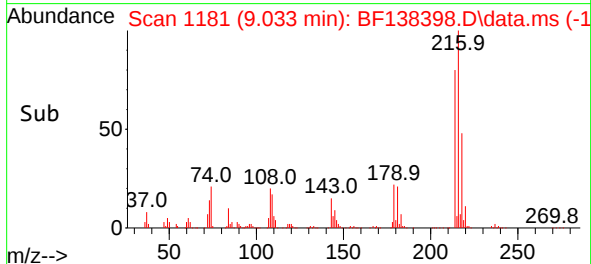
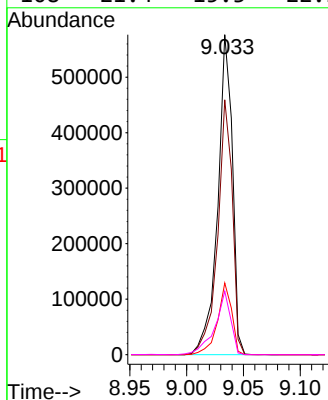
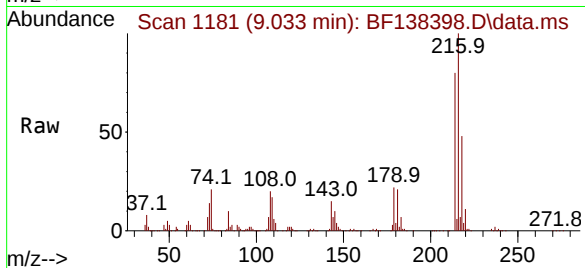
Ion Ratio Lower Upper

216 100

214 79.7 64.2 96.4

179 21.8 17.4 26.0

108 21.4 15.3 22.9



#41

Hexachlorocyclopentadiene

Concen: 113.210 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

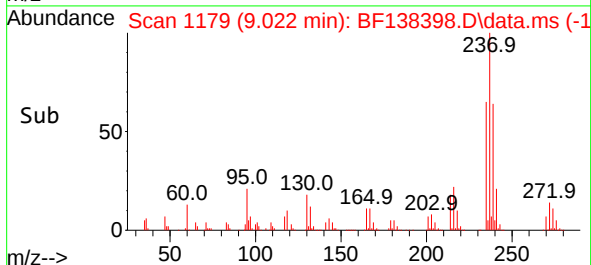
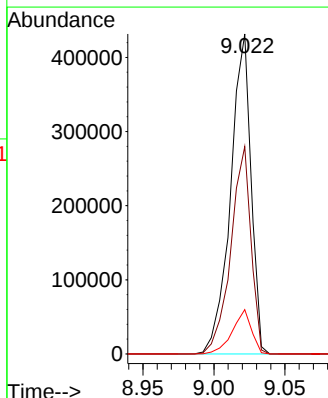
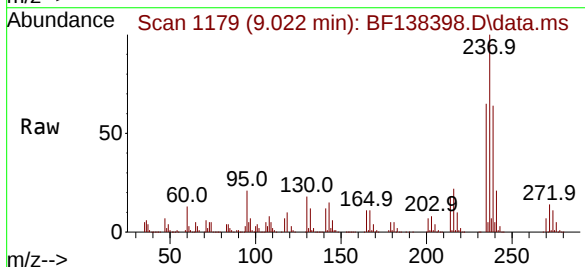
Tgt Ion:237 Resp: 433026

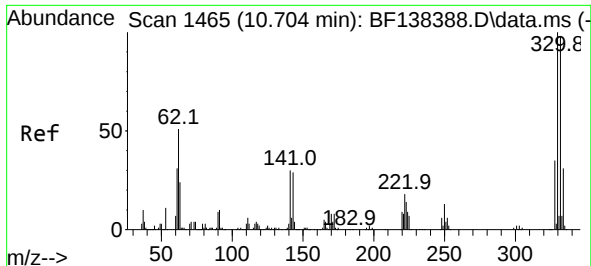
Ion Ratio Lower Upper

237 100

235 64.8 41.4 81.4

272 13.9 0.0 33.1

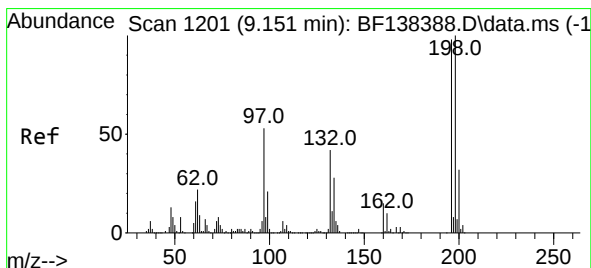
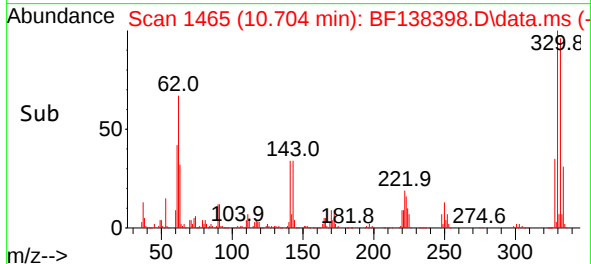
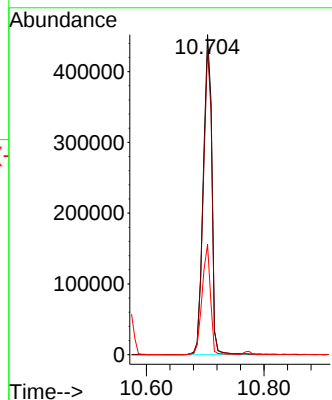
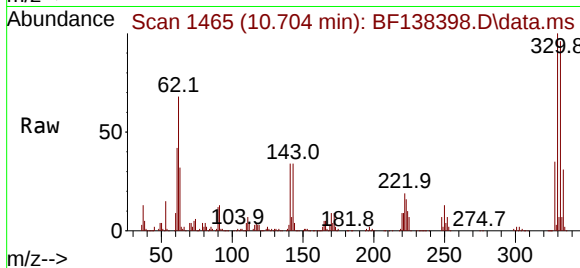




#42  
 2,4,6-Tribromophenol  
 Concen: 118.879 ng  
 RT: 10.704 min Scan# 1465  
 Delta R.T. -0.000 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

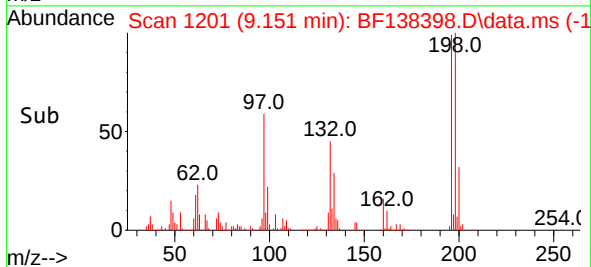
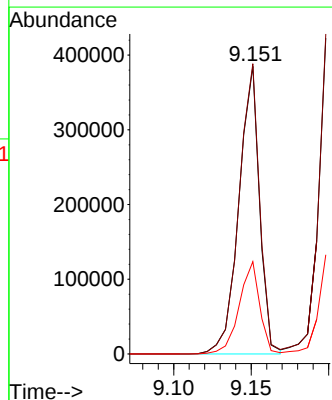
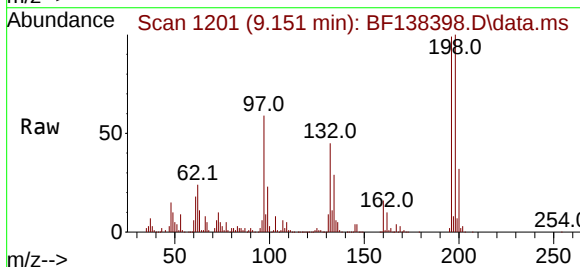
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161809BSD

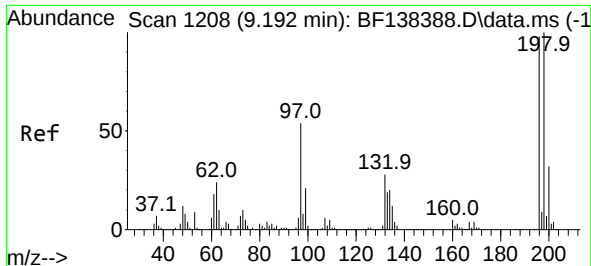
Tgt Ion:330 Resp: 456293  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.0 115.6  
 141 33.6 28.1 42.1



#43  
 2,4,6-Trichlorophenol  
 Concen: 43.122 ng  
 RT: 9.151 min Scan# 1201  
 Delta R.T. -0.000 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

Tgt Ion:196 Resp: 356562  
 Ion Ratio Lower Upper  
 196 100  
 198 100.9 81.8 122.8  
 200 32.1 26.2 39.4

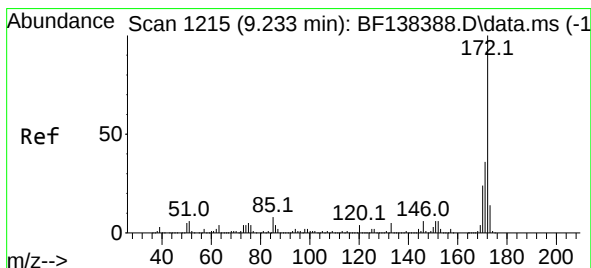
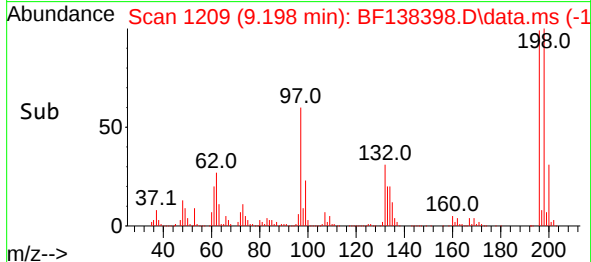
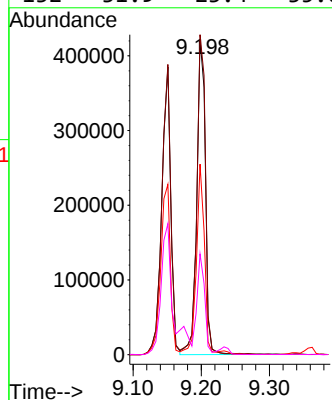
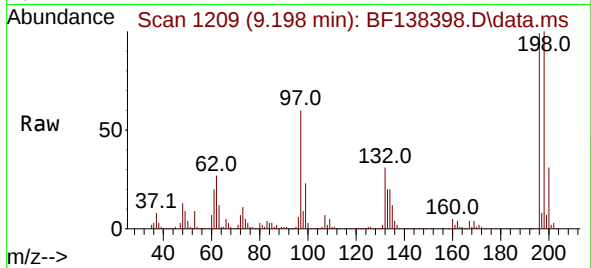




#44  
 2,4,5-Trichlorophenol  
 Concen: 41.345 ng  
 RT: 9.198 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

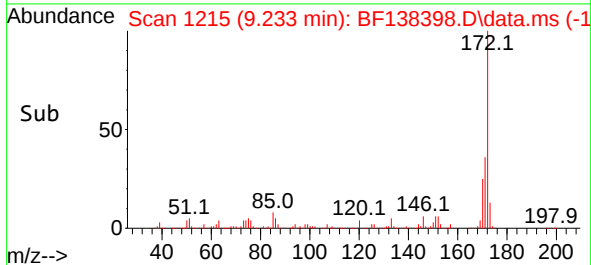
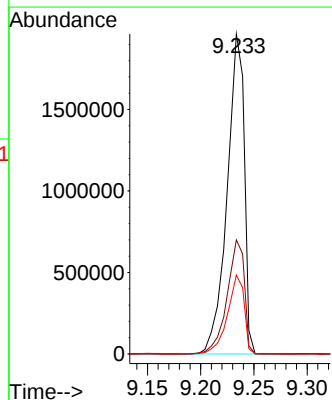
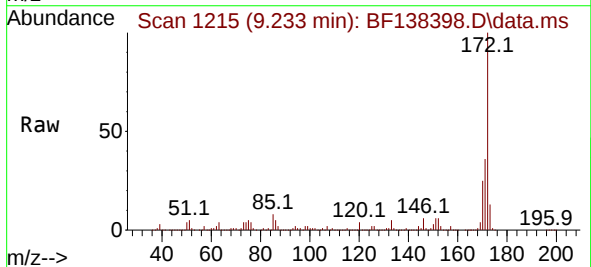
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161809BSD

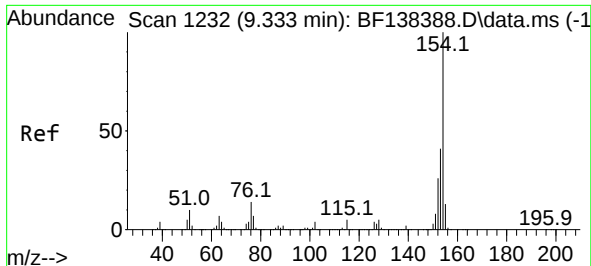
Tgt Ion:196 Resp: 371801  
 Ion Ratio Lower Upper  
 196 100  
 198 101.3 81.8 122.6  
 97 60.3 44.2 66.4  
 132 31.9 23.4 35.0



#45  
 2-Fluorobiphenyl  
 Concen: 74.228 ng  
 RT: 9.233 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

Tgt Ion:172 Resp: 2191199  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.0 43.4  
 170 24.6 19.0 28.6





#46

1,1'-Biphenyl

Concen: 40.506 ng

RT: 9.333 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

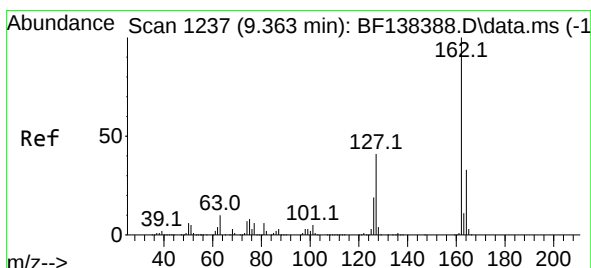
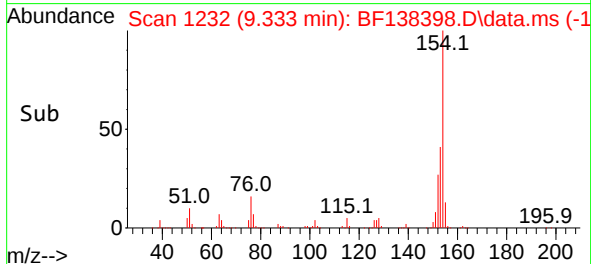
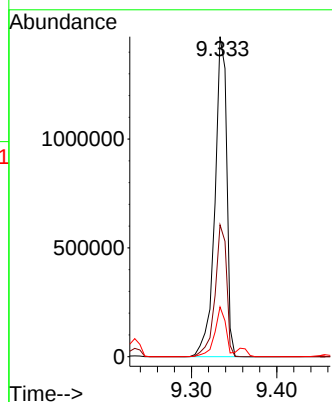
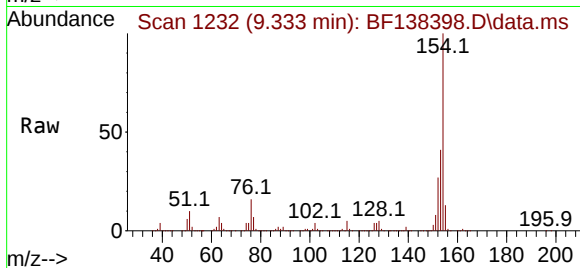
Tgt Ion:154 Resp: 1420856

Ion Ratio Lower Upper

154 100

153 41.2 20.5 60.5

76 15.6 0.0 34.4



#47

2-Chloronaphthalene

Concen: 40.317 ng

RT: 9.363 min Scan# 1237

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

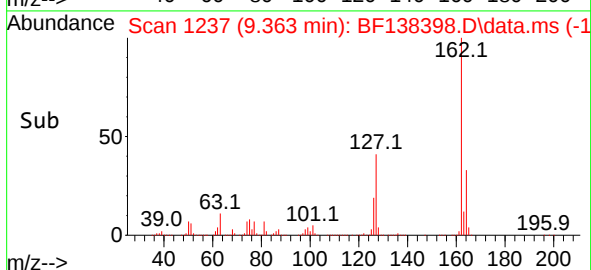
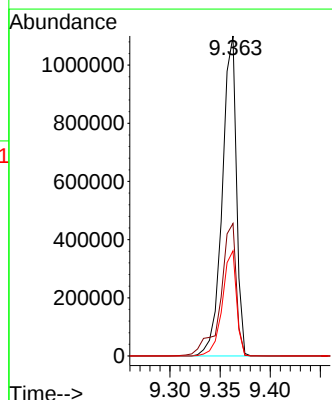
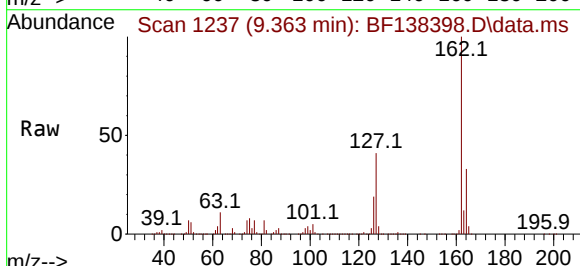
Tgt Ion:162 Resp: 1078289

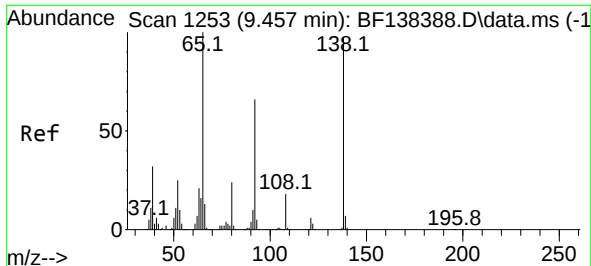
Ion Ratio Lower Upper

162 100

127 41.4 32.7 49.1

164 32.9 26.6 40.0

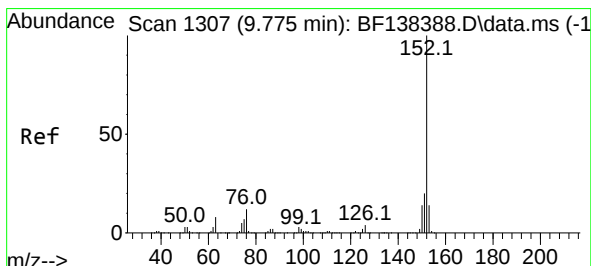
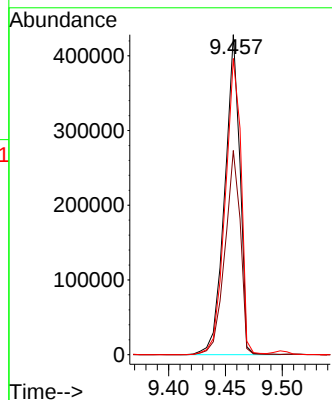
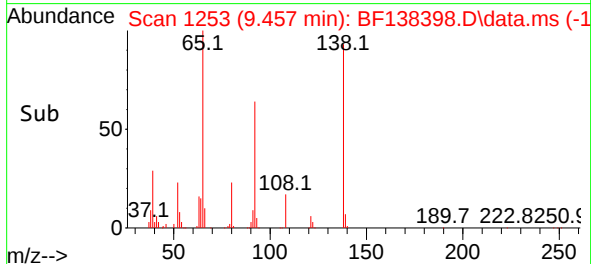
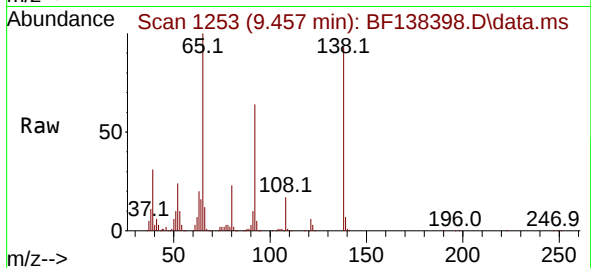




#48  
2-Nitroaniline  
Concen: 46.036 ng  
RT: 9.457 min Scan# 1253  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

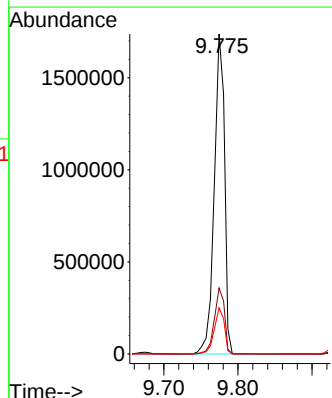
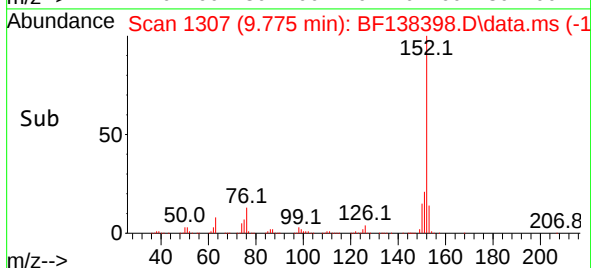
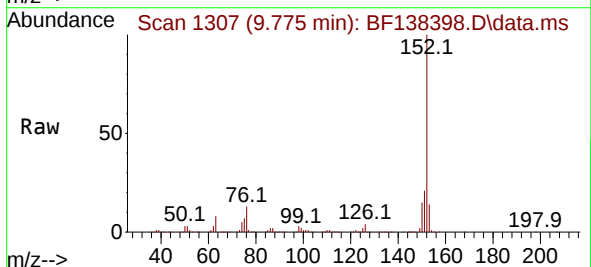
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

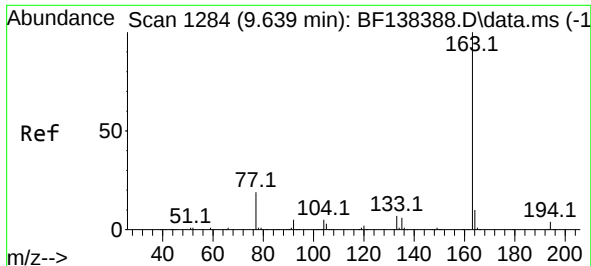
Tgt Ion: 65 Resp: 397163  
Ion Ratio Lower Upper  
65 100  
92 63.8 52.6 79.0  
138 92.6 77.4 116.0



#49  
Acenaphthylene  
Concen: 44.227 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 152 Resp: 1663541  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.4  
153 14.4 11.4 17.2

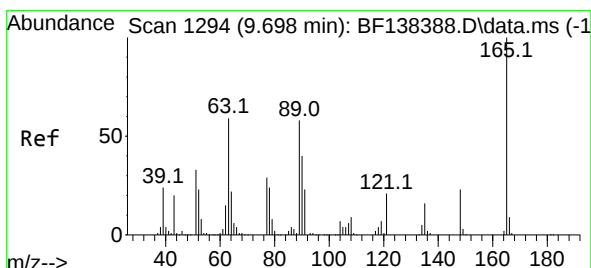
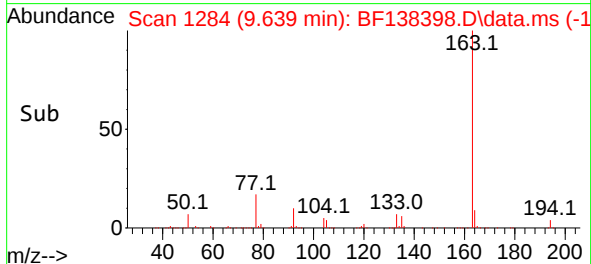
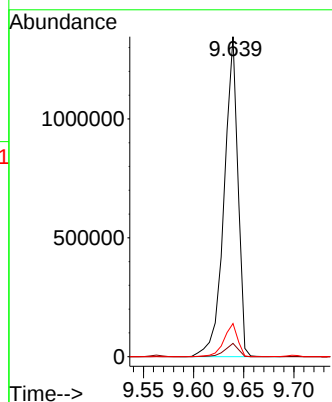
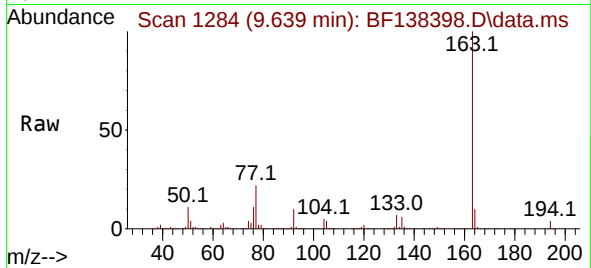




#50  
Dimethylphthalate  
Concen: 42.688 ng  
RT: 9.639 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

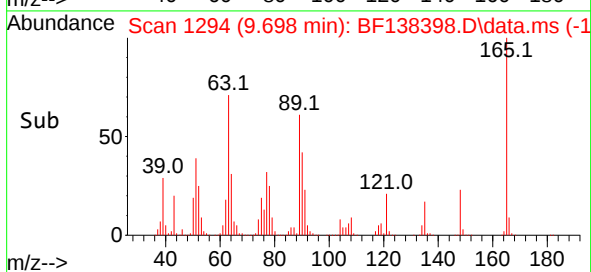
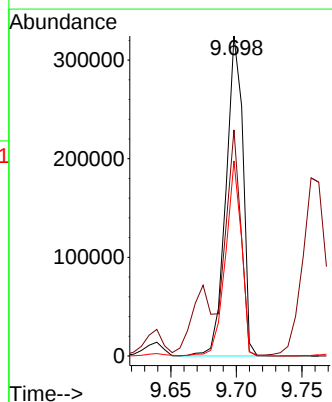
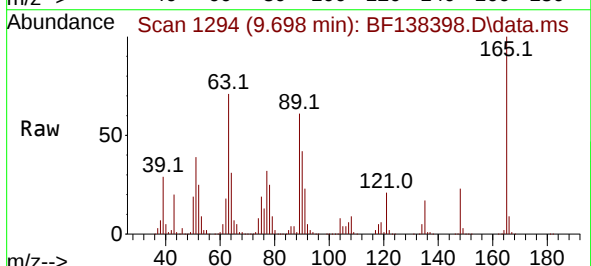
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

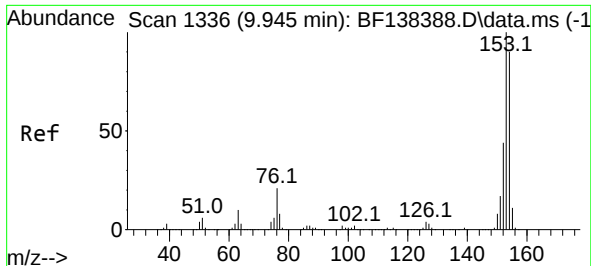
Tgt Ion:163 Resp: 1288869  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.5 5.3  
164 10.3 8.2 12.4



#51  
2,6-Dinitrotoluene  
Concen: 43.046 ng  
RT: 9.698 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:165 Resp: 291084  
Ion Ratio Lower Upper  
165 100  
63 70.6 53.8 80.8  
89 61.0 46.4 69.6

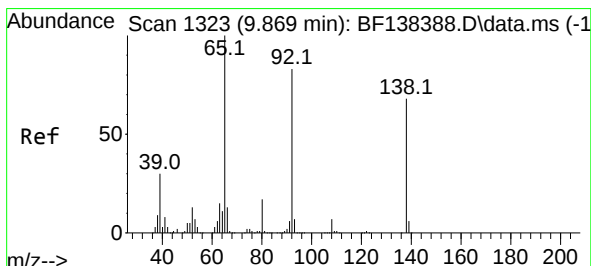
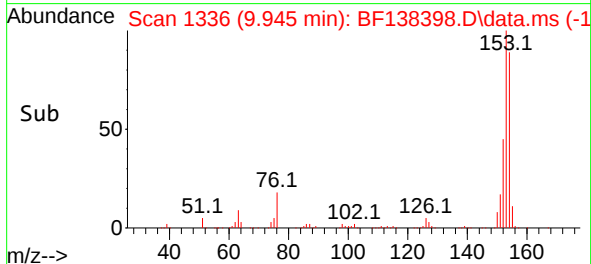
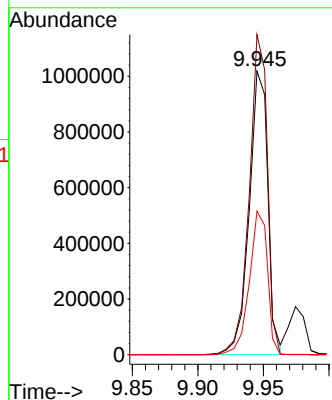
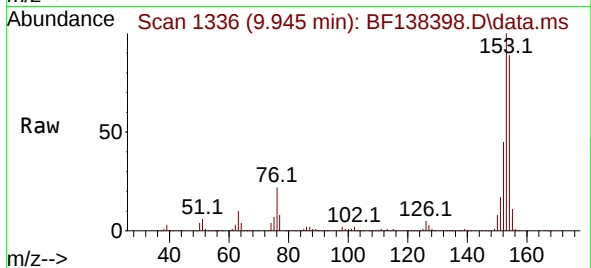




#52  
Acenaphthene  
Concen: 39.050 ng  
RT: 9.945 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

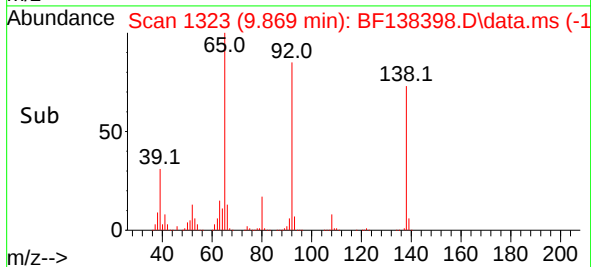
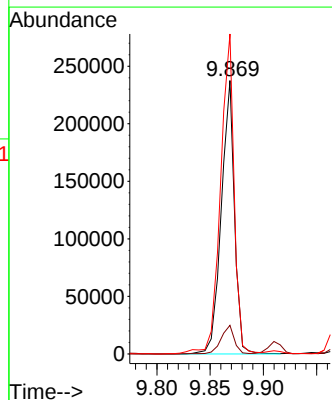
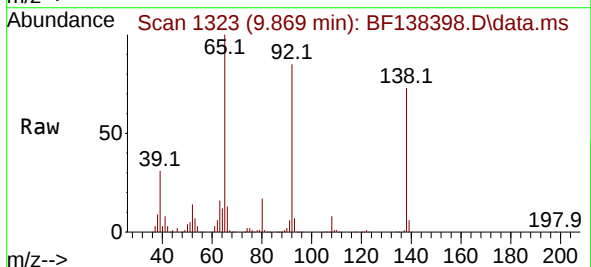
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

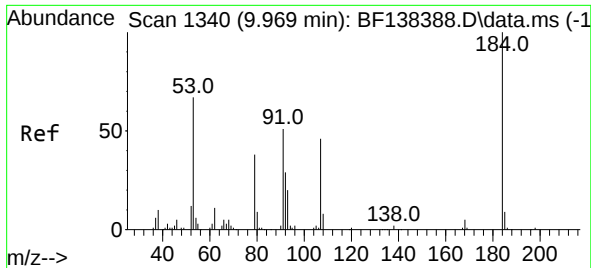
Tgt Ion:154 Resp: 1005743  
Ion Ratio Lower Upper  
154 100  
153 112.8 89.4 134.0  
152 50.6 39.7 59.5



#53  
3-Nitroaniline  
Concen: 30.483 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:138 Resp: 203585  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.6 12.8  
92 117.1 97.3 145.9

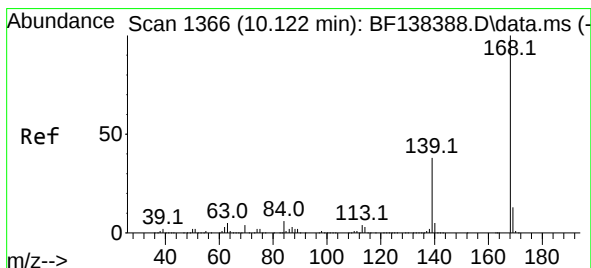
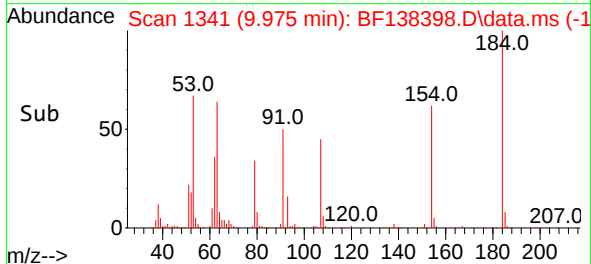
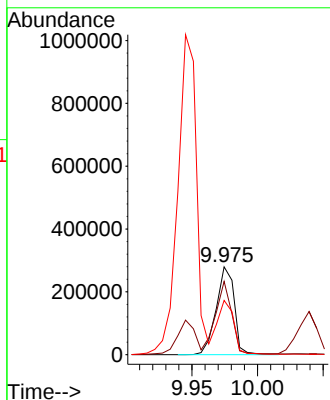
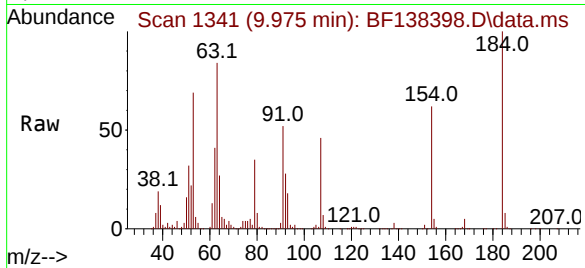




#54  
2,4-Dinitrophenol  
Concen: 92.249 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

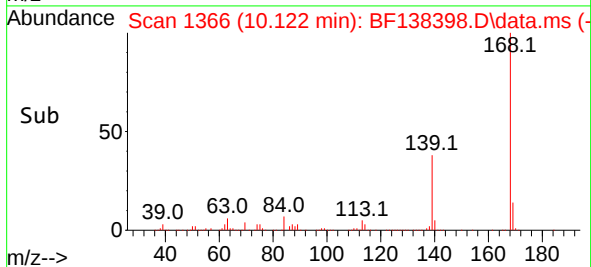
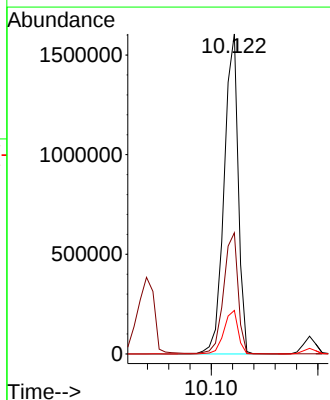
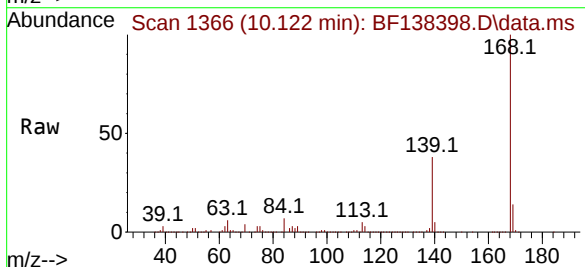
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

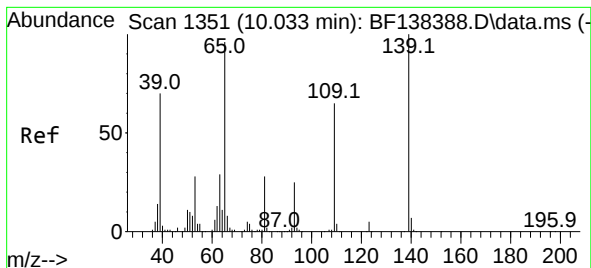
Tgt Ion:184 Resp: 268248  
Ion Ratio Lower Upper  
184 100  
63 83.6 67.3 100.9  
154 61.7 51.0 76.4



#55  
Dibenzofuran  
Concen: 41.486 ng  
RT: 10.122 min Scan# 1366  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:168 Resp: 1472189  
Ion Ratio Lower Upper  
168 100  
139 37.8 30.4 45.6  
169 13.6 10.7 16.1

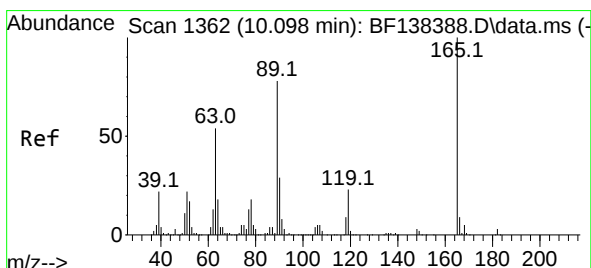
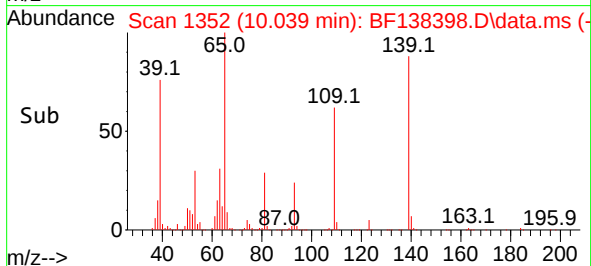
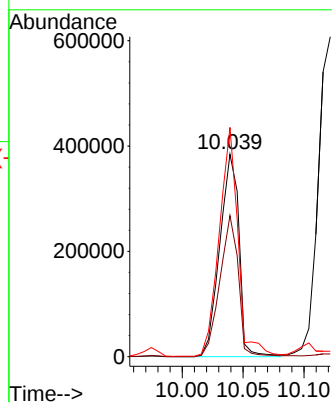
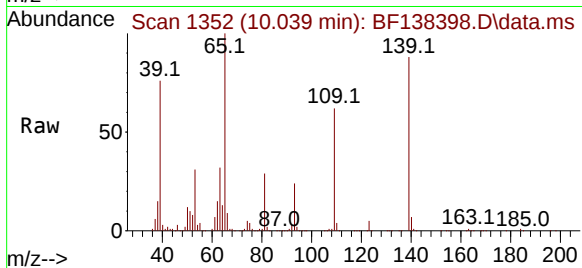




#56  
4-Nitrophenol  
Concen: 97.445 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

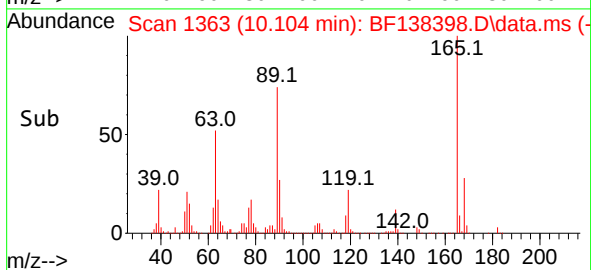
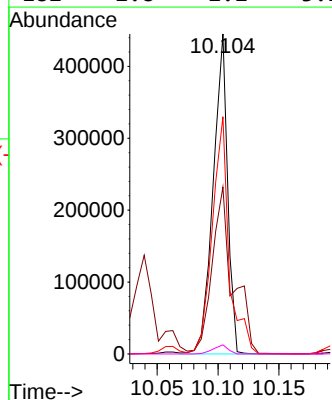
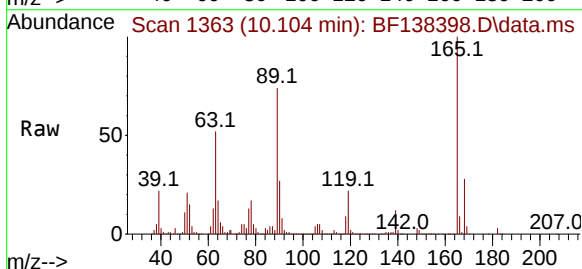
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

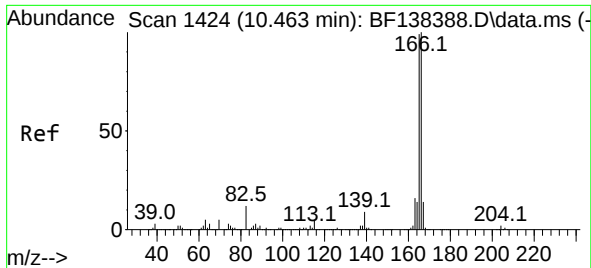
Tgt Ion:139 Resp: 421959  
Ion Ratio Lower Upper  
139 100  
109 69.7 44.6 84.6  
65 113.3 75.9 115.9



#57  
2,4-Dinitrotoluene  
Concen: 44.245 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:165 Resp: 368383  
Ion Ratio Lower Upper  
165 100  
63 52.1 43.4 65.2  
89 74.2 62.6 93.8  
182 2.8 2.2 3.2

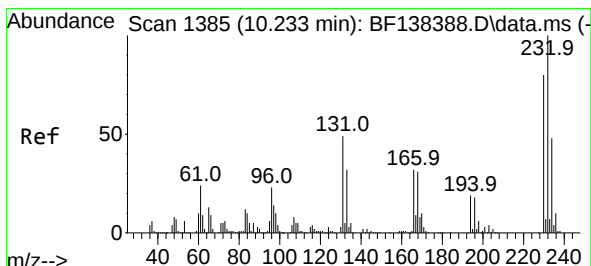
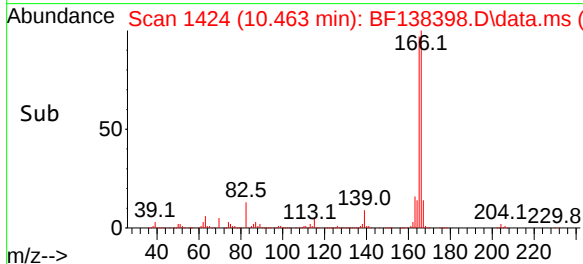
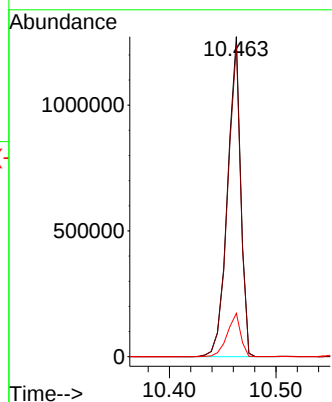
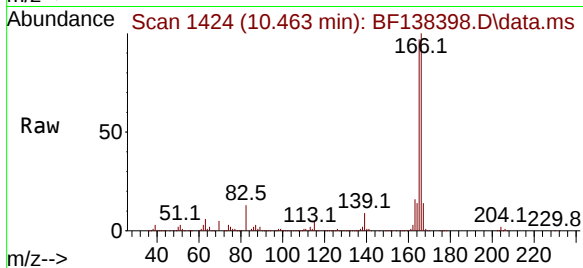




#58  
Fluorene  
Concen: 38.481 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

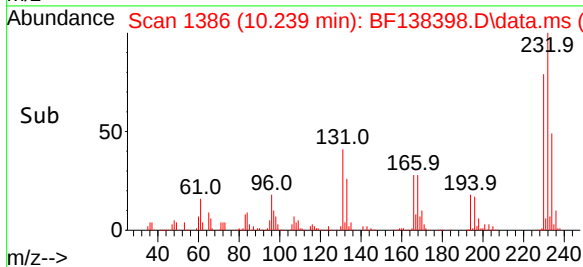
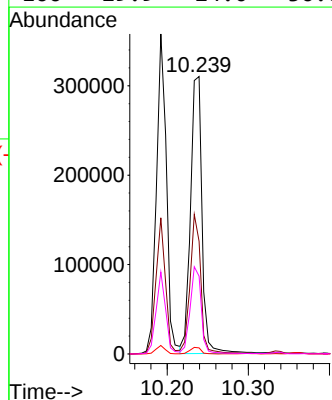
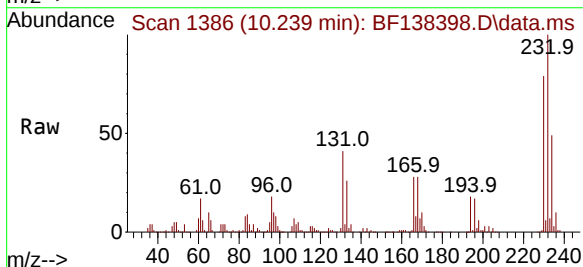
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

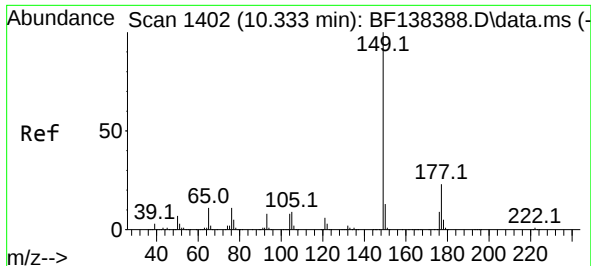
Tgt Ion:166 Resp: 1085038  
Ion Ratio Lower Upper  
166 100  
165 97.5 79.0 118.6  
167 13.5 10.8 16.2



#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.887 ng  
RT: 10.239 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:232 Resp: 306491  
Ion Ratio Lower Upper  
232 100  
131 46.4 36.6 55.0  
130 2.3 1.8 2.8  
166 29.9 24.0 36.0

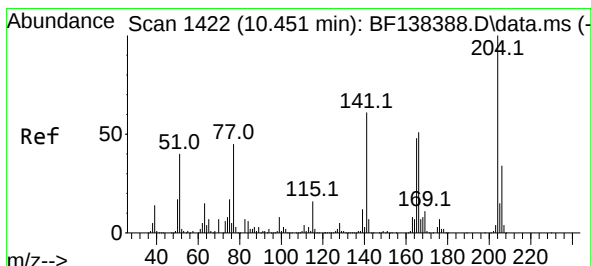
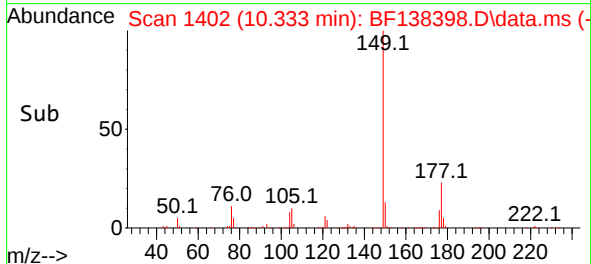
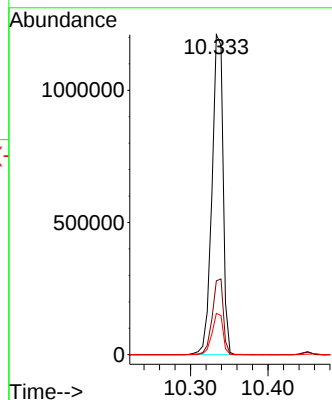
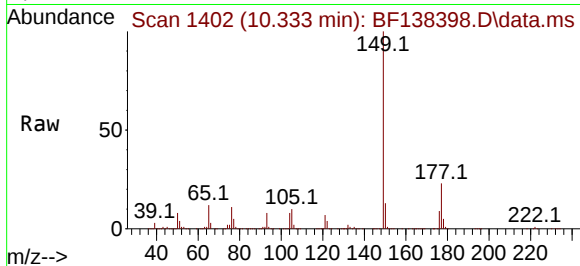




#60  
Diethylphthalate  
Concen: 42.629 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

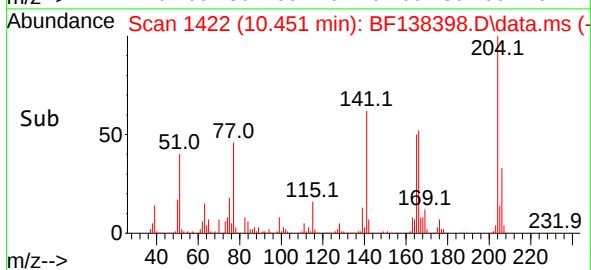
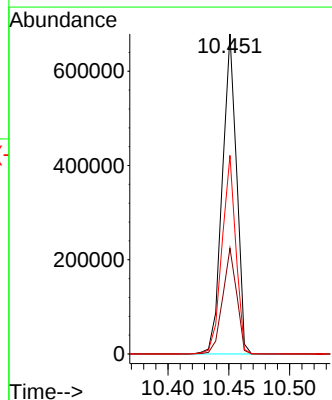
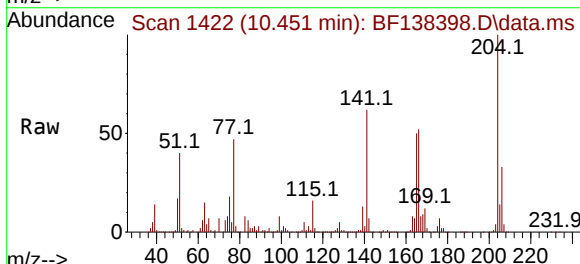
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

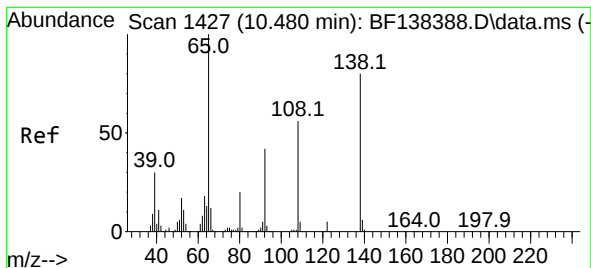
Tgt Ion:149 Resp: 1203362  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.4 27.6  
150 12.9 10.2 15.2



#61  
4-Chlorophenyl-phenylether  
Concen: 38.681 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:204 Resp: 553384  
Ion Ratio Lower Upper  
204 100  
206 33.1 27.1 40.7  
141 62.1 48.4 72.6

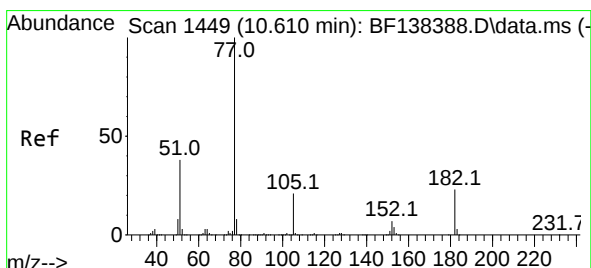
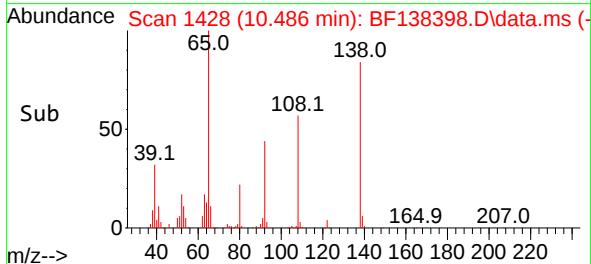
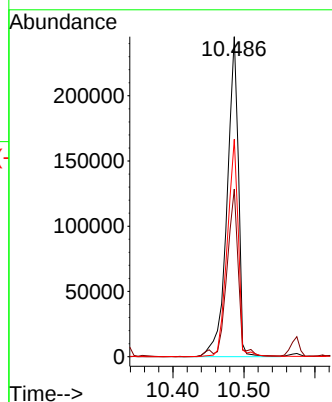
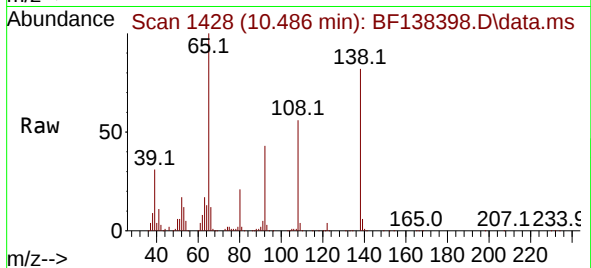




#62  
4-Nitroaniline  
Concen: 44.408 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

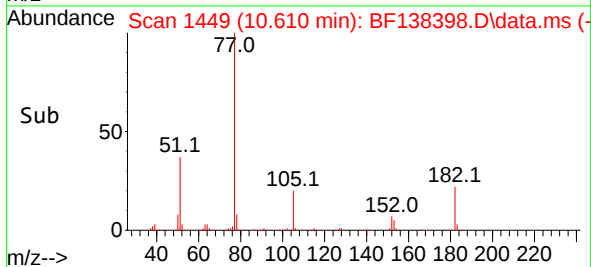
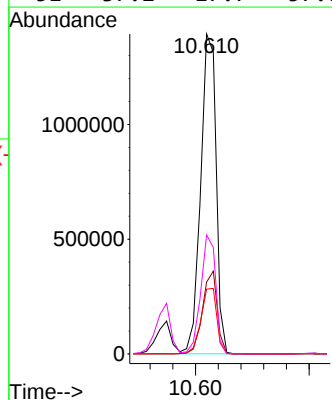
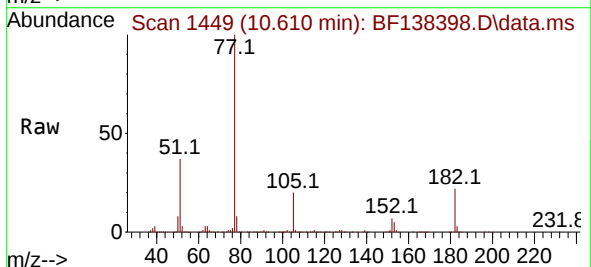
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

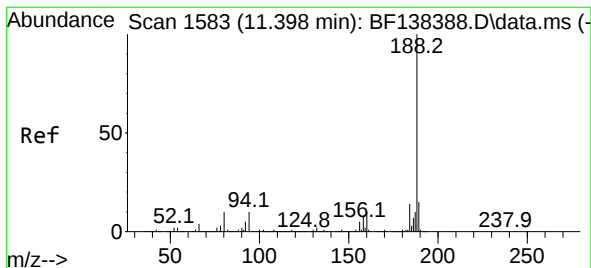
Tgt Ion:138 Resp: 272227  
Ion Ratio Lower Upper  
138 100  
92 52.4 32.6 72.6  
108 68.0 50.3 90.3



#63  
Azobenzene  
Concen: 44.027 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion: 77 Resp: 1312551  
Ion Ratio Lower Upper  
77 100  
182 22.5 2.7 42.7  
105 20.2 0.6 40.6  
51 37.2 17.7 57.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

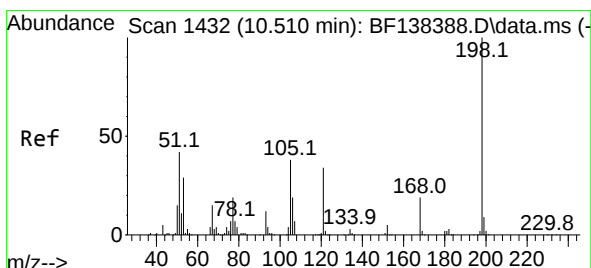
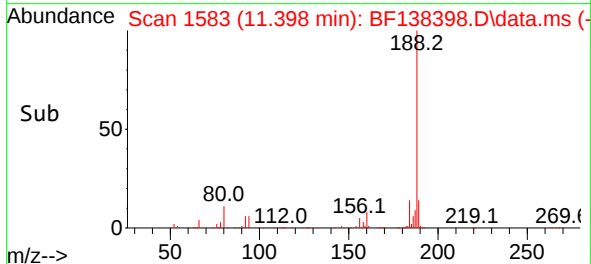
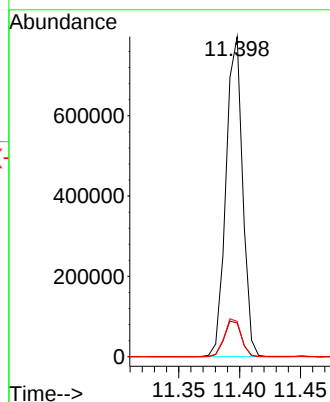
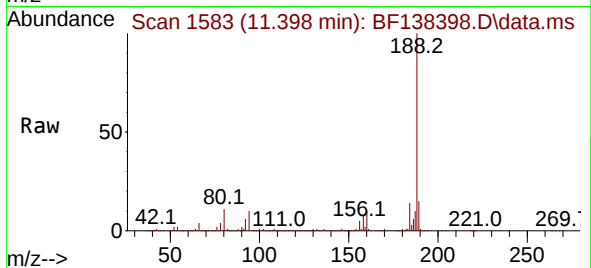
Tgt Ion:188 Resp: 757509

Ion Ratio Lower Upper

188 100

94 10.5 8.0 12.0

80 11.0 8.2 12.4



#65

4,6-Dinitro-2-methylphenol

Concen: 47.186 ng

RT: 10.510 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

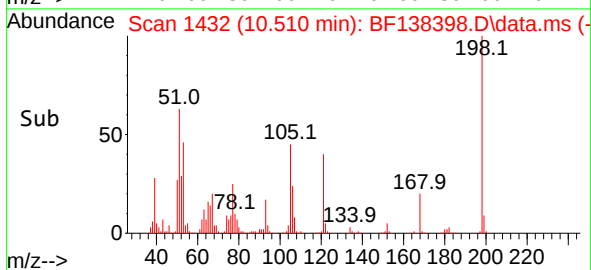
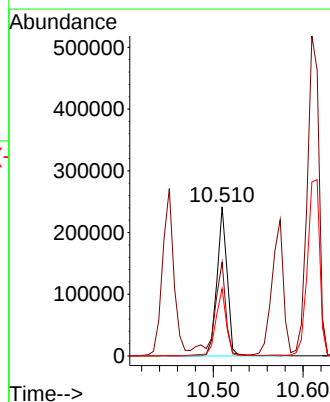
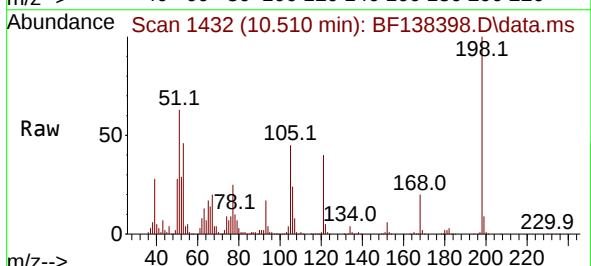
Tgt Ion:198 Resp: 190931

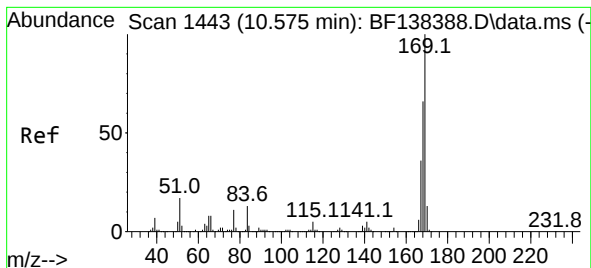
Ion Ratio Lower Upper

198 100

51 62.9 27.9 67.9

105 45.2 18.2 58.2

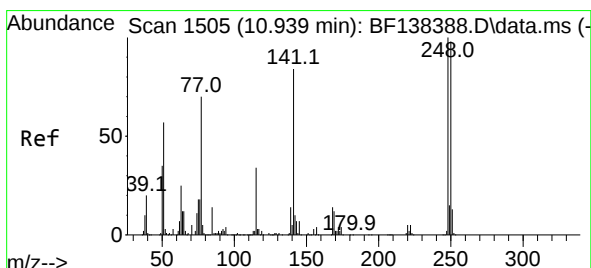
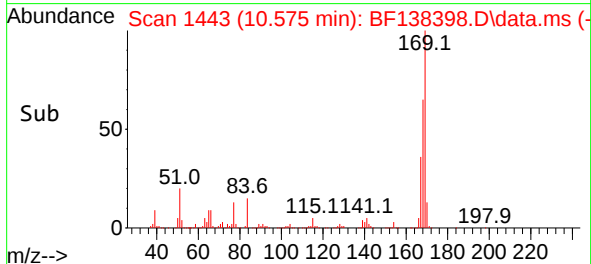
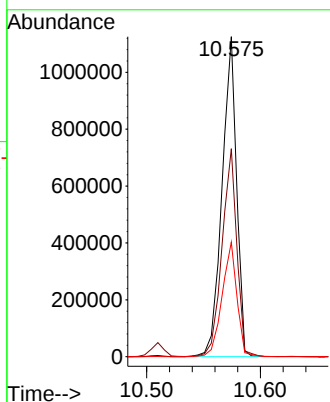
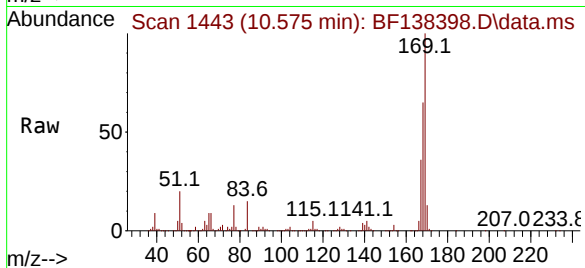




#66  
n-Nitrosodiphenylamine  
Concen: 42.620 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

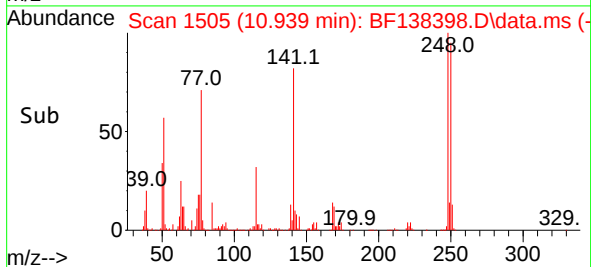
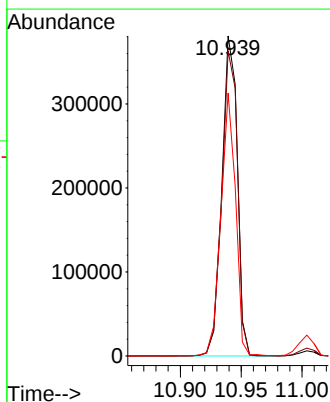
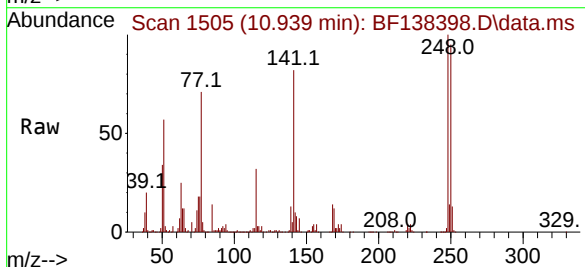
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

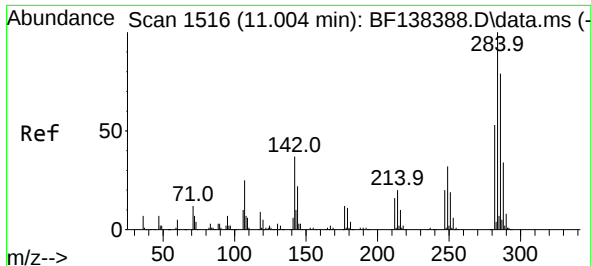
Tgt Ion:169 Resp: 1002293  
Ion Ratio Lower Upper  
169 100  
168 65.0 52.5 78.7  
167 35.8 28.8 43.2



#67  
4-Bromophenyl-phenylether  
Concen: 41.508 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:248 Resp: 337965  
Ion Ratio Lower Upper  
248 100  
250 95.3 78.2 117.4  
141 82.1 67.6 101.4

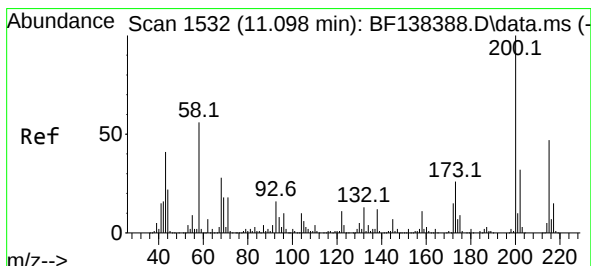
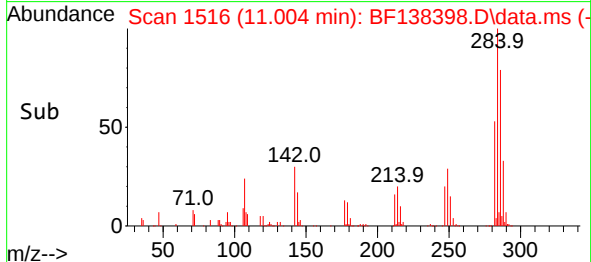
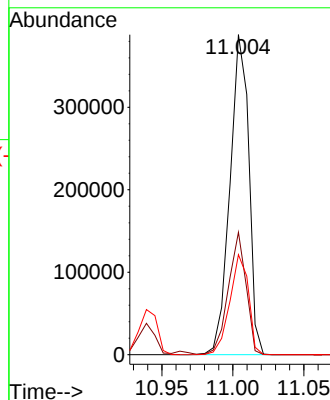
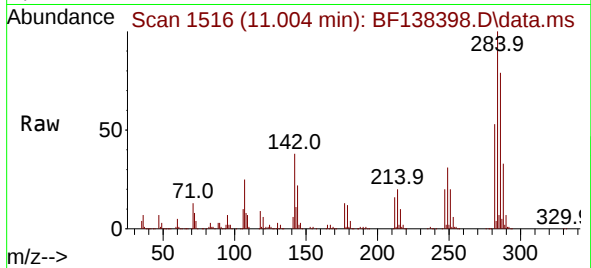




#68  
Hexachlorobenzene  
Concen: 39.967 ng  
RT: 11.004 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

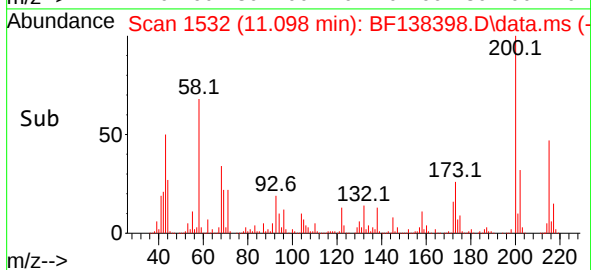
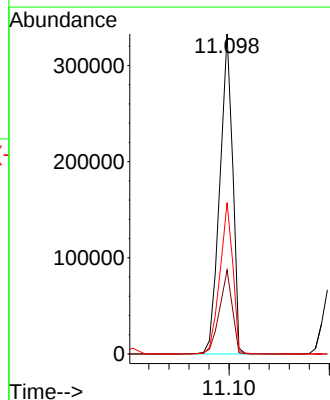
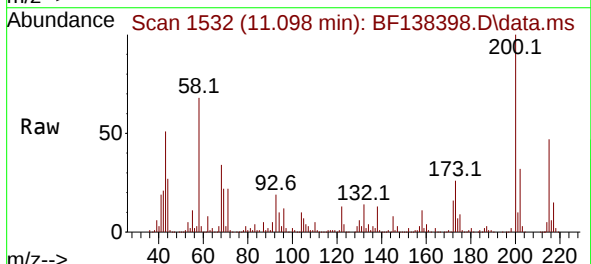
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

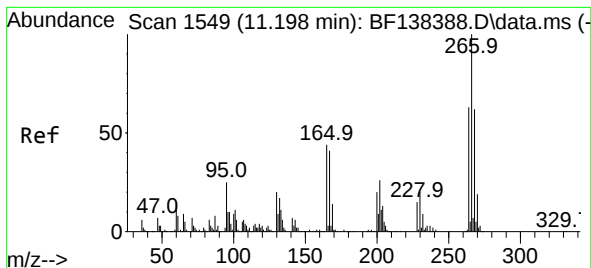
Tgt Ion:284 Resp: 358685  
Ion Ratio Lower Upper  
284 100  
142 38.2 29.2 43.8  
249 31.3 25.8 38.6



#69  
Atrazine  
Concen: 44.855 ng  
RT: 11.098 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:200 Resp: 295759  
Ion Ratio Lower Upper  
200 100  
173 26.3 6.2 46.2  
215 47.3 27.4 67.4

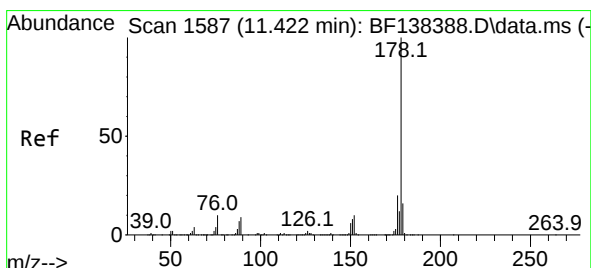
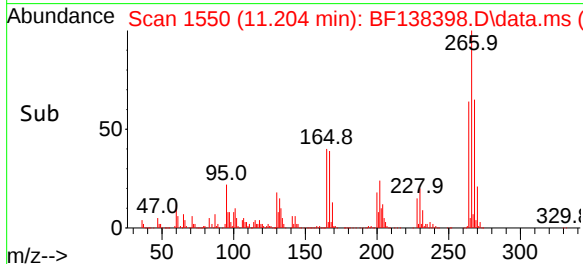
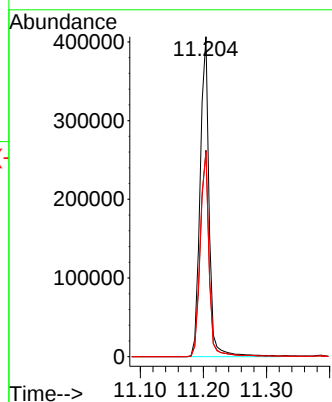
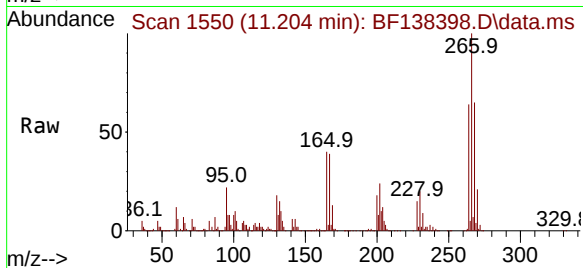




#70  
Pentachlorophenol  
Concen: 87.765 ng  
RT: 11.204 min Scan# 1550  
Delta R.T. 0.006 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

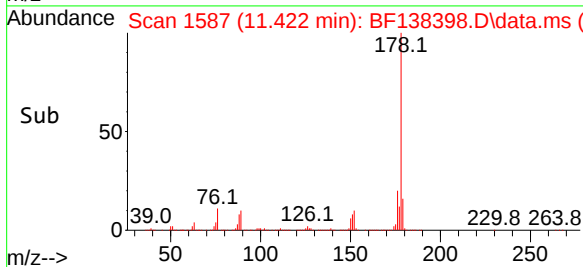
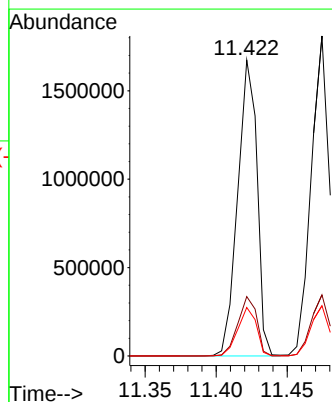
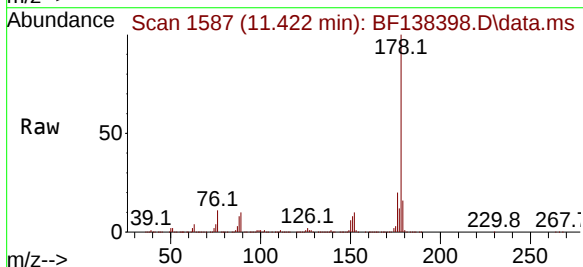
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

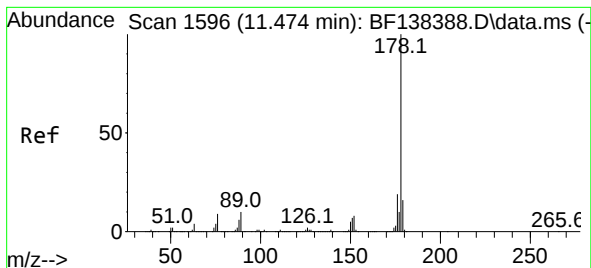
Tgt Ion:266 Resp: 399761  
Ion Ratio Lower Upper  
266 100  
268 64.5 49.9 74.9  
264 63.8 50.0 75.0



#71  
Phenanthrene  
Concen: 42.898 ng  
RT: 11.422 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:178 Resp: 1586569  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.1 24.1  
179 16.4 12.6 18.8





#72

Anthracene

Concen: 43.531 ng

RT: 11.474 min Scan# 1596

Delta R.T. 0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

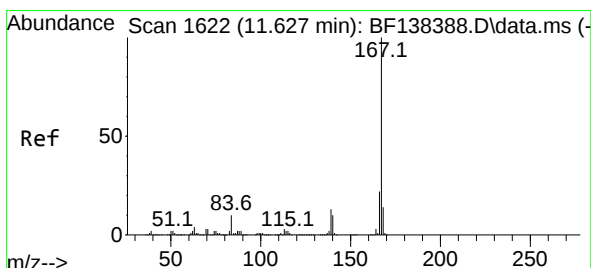
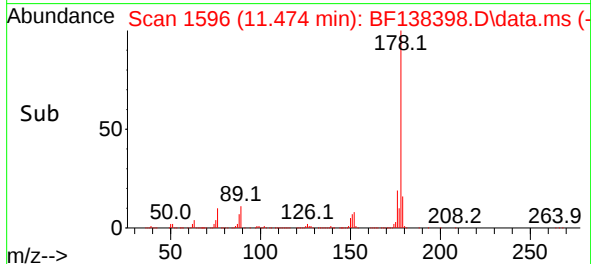
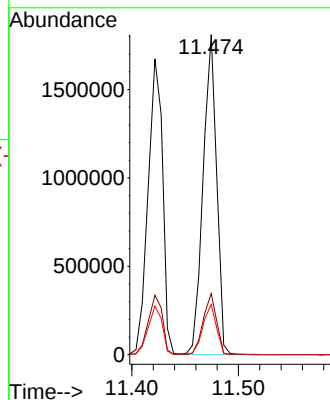
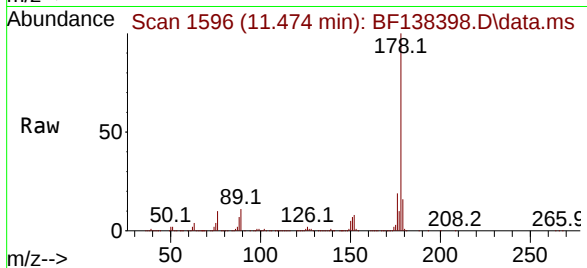
Tgt Ion:178 Resp: 1605582

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 15.7 12.7 19.1



#73

Carbazole

Concen: 43.780 ng

RT: 11.627 min Scan# 1622

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

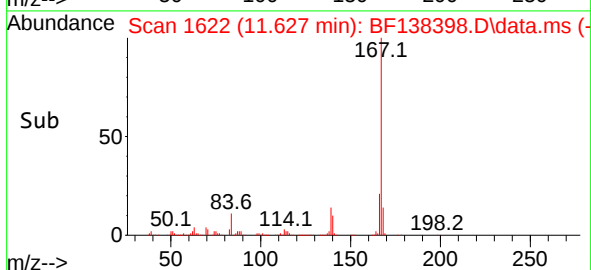
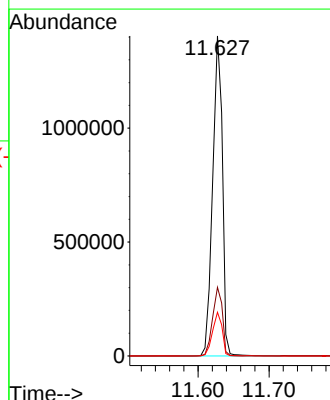
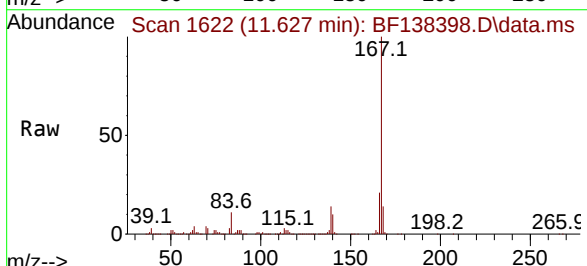
Tgt Ion:167 Resp: 1340615

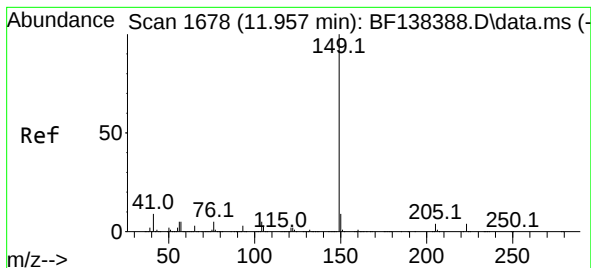
Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

139 13.7 10.7 16.1

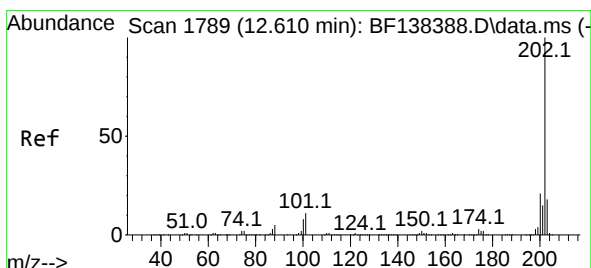
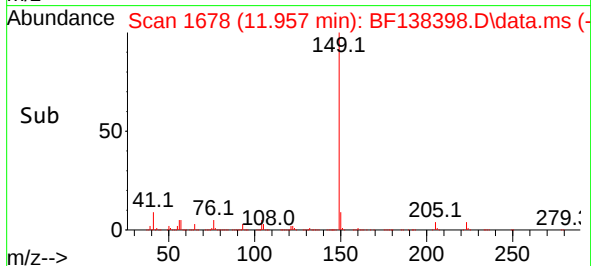
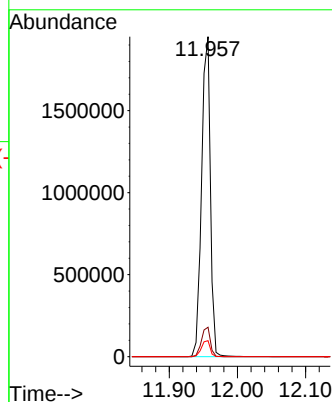
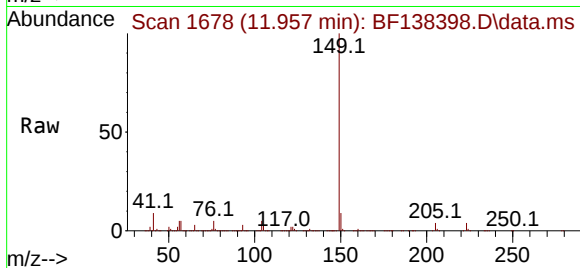




#74  
Di-n-butylphthalate  
Concen: 44.989 ng  
RT: 11.957 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

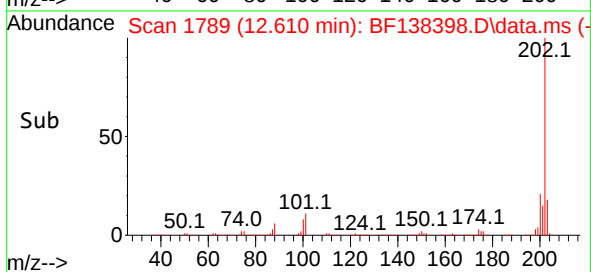
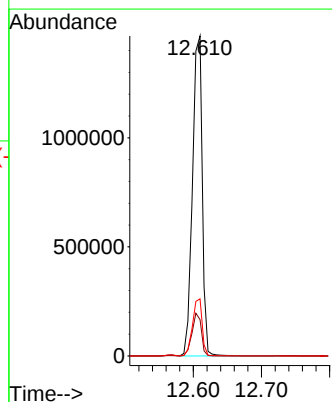
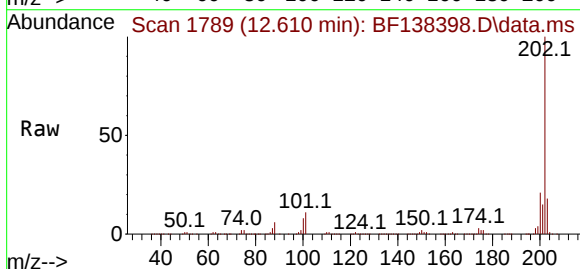
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

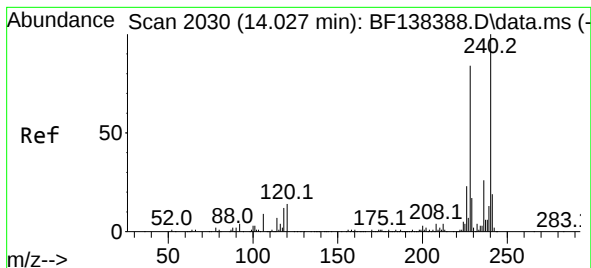
Tgt Ion:149 Resp: 1745878  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.4 11.2  
104 5.0 3.8 5.8



#75  
Fluoranthene  
Concen: 43.533 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:202 Resp: 1443447  
Ion Ratio Lower Upper  
202 100  
101 11.4 0.0 30.5  
203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

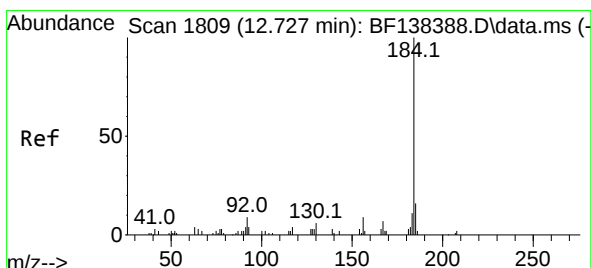
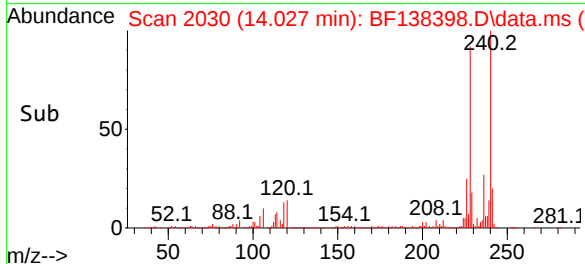
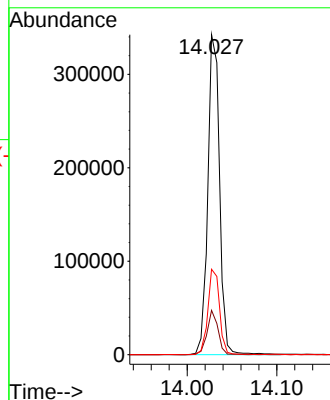
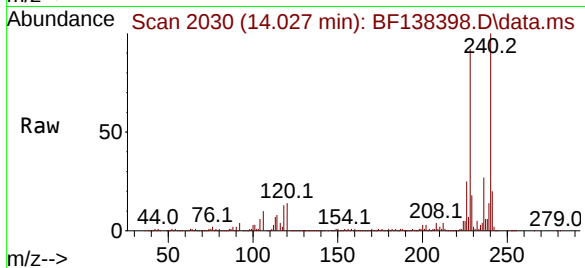
Tgt Ion:240 Resp: 312092

Ion Ratio Lower Upper

240 100

120 13.9 10.9 16.3

236 26.7 20.6 30.8



#77

Benzidine

Concen: 50.804 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

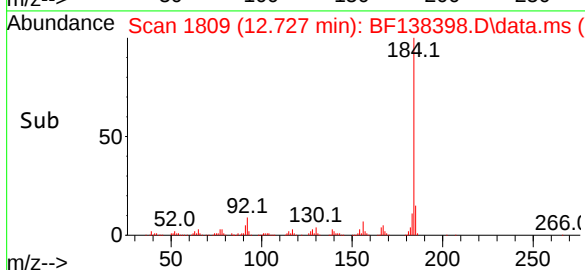
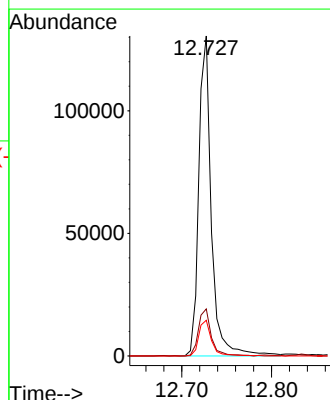
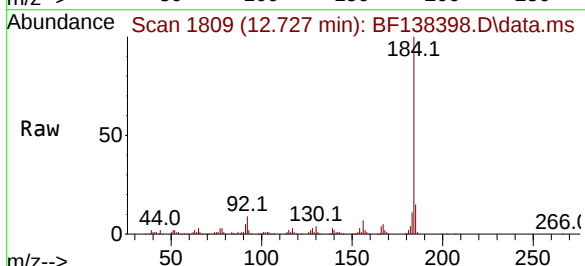
Tgt Ion:184 Resp: 126787

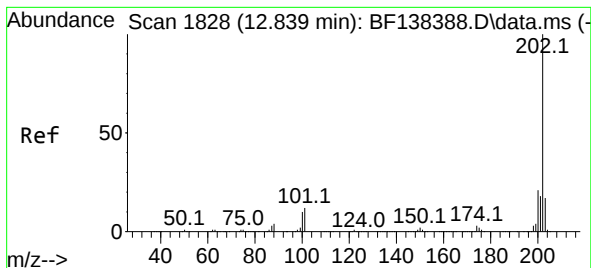
Ion Ratio Lower Upper

184 100

185 14.7 13.0 19.4

183 11.1 9.0 13.6





#78

Pyrene

Concen: 42.555 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

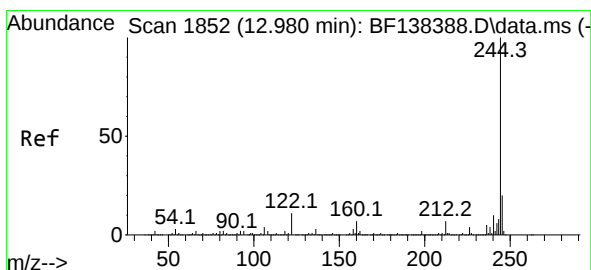
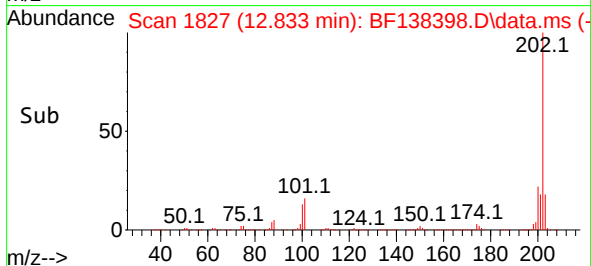
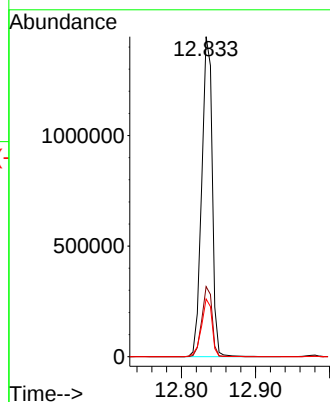
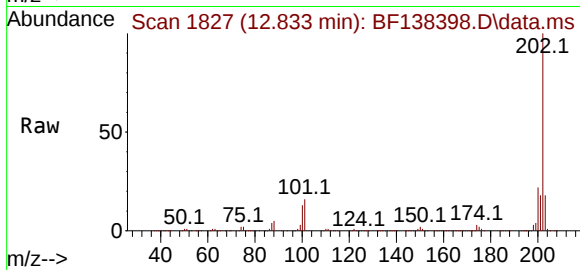
Tgt Ion:202 Resp: 1419492

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

203 18.0 13.8 20.8



#79

Terphenyl-d14

Concen: 81.259 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

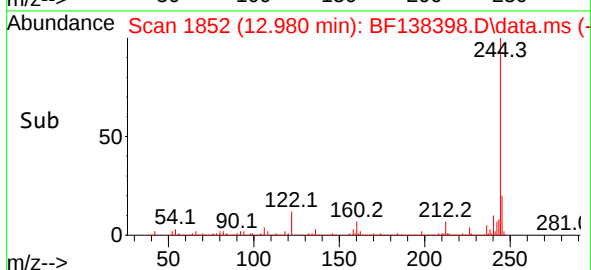
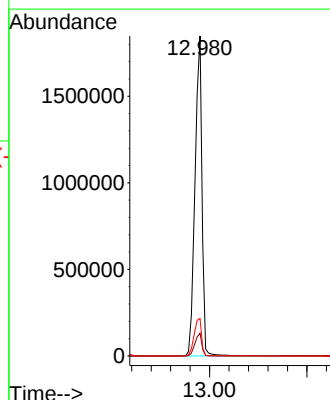
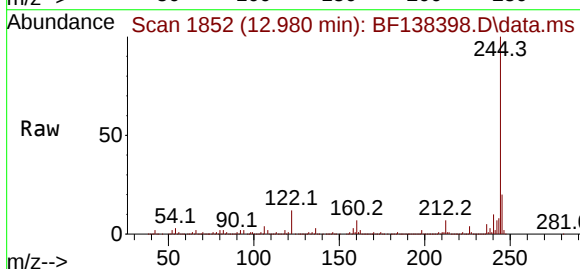
Tgt Ion:244 Resp: 1850554

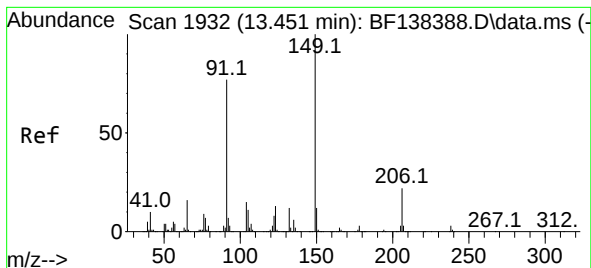
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 11.7 9.0 13.4





#80

Butylbenzylphthalate

Concen: 49.966 ng

RT: 13.451 min Scan# 1932

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

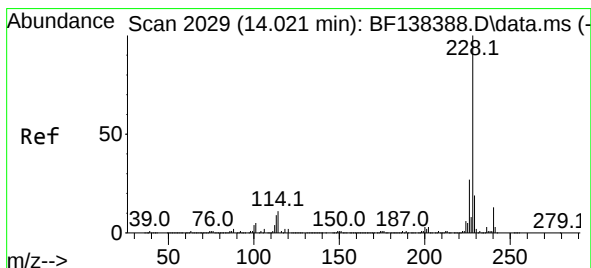
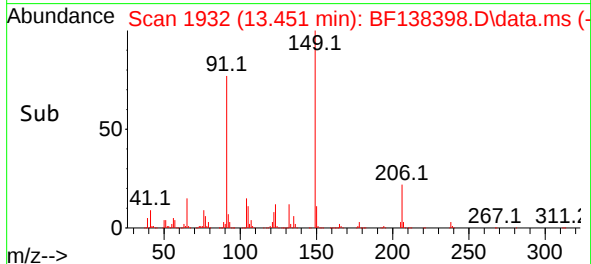
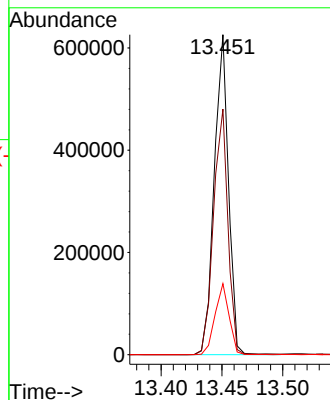
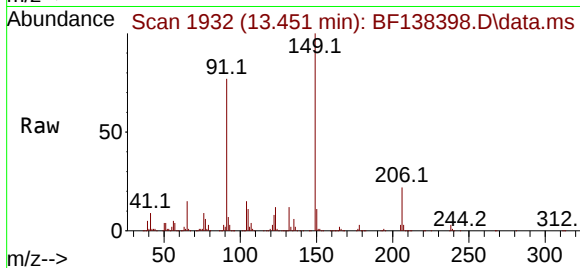
Tgt Ion:149 Resp: 507157

Ion Ratio Lower Upper

149 100

91 76.8 62.0 93.0

206 22.2 17.6 26.4



#81

Benzo(a)anthracene

Concen: 44.137 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

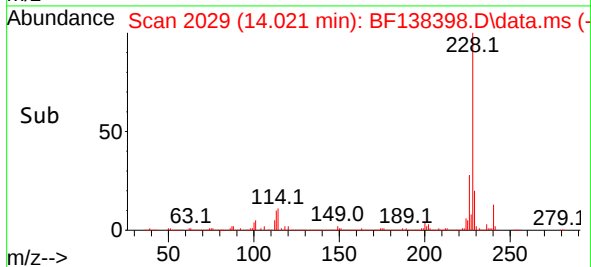
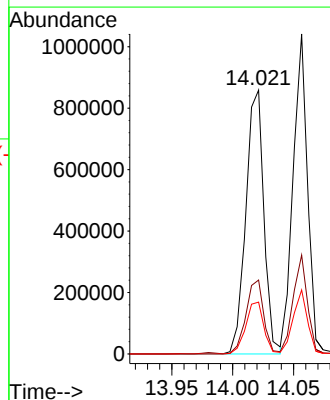
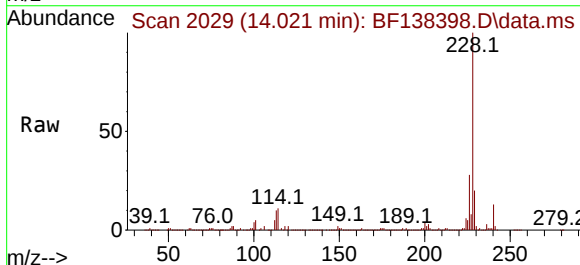
Tgt Ion:228 Resp: 886614

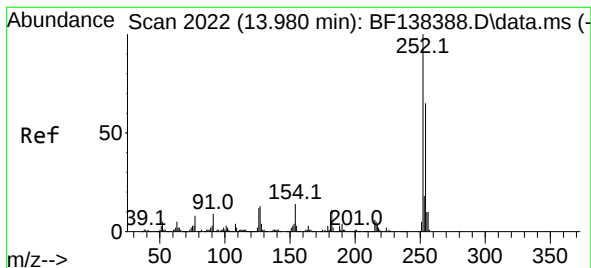
Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

229 19.7 15.5 23.3

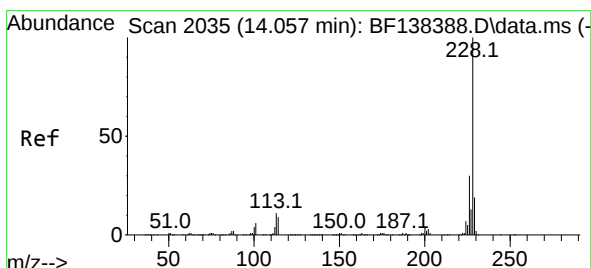
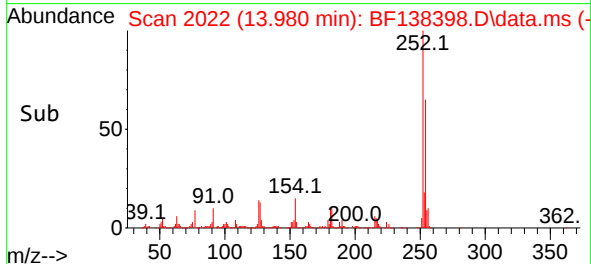
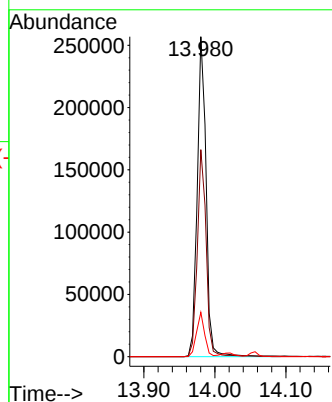
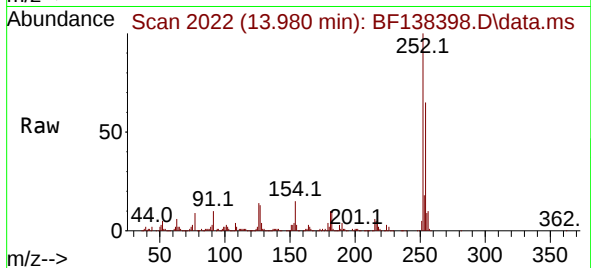




#82  
3,3'-Dichlorobenzidine  
Concen: 37.814 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

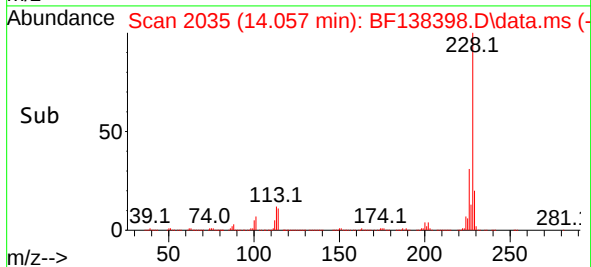
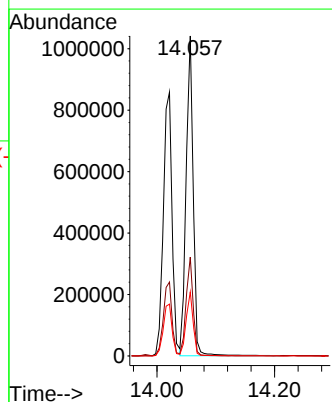
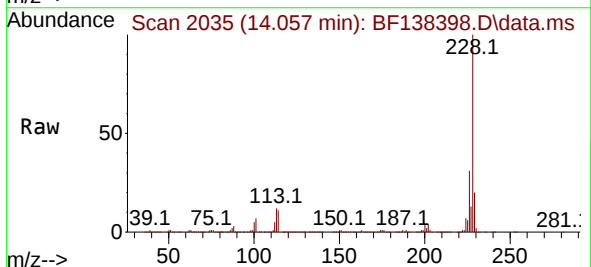
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

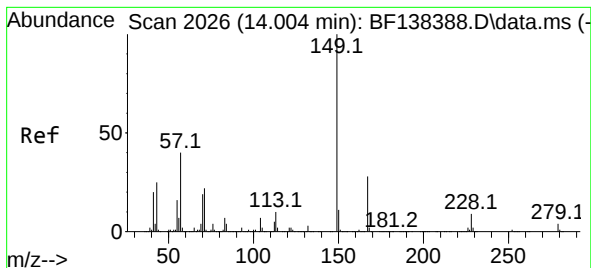
Tgt Ion:252 Resp: 224268  
Ion Ratio Lower Upper  
252 100  
254 64.7 51.8 77.6  
126 13.9 9.5 14.3



#83  
Chrysene  
Concen: 44.564 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:228 Resp: 871072  
Ion Ratio Lower Upper  
228 100  
226 30.9 23.8 35.6  
229 20.0 15.2 22.8

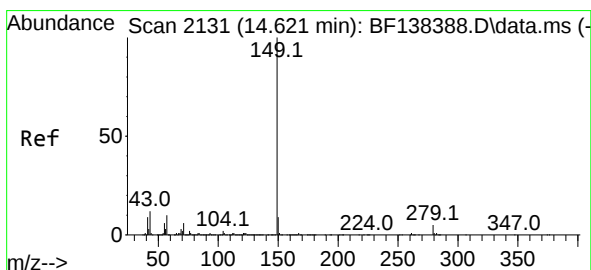
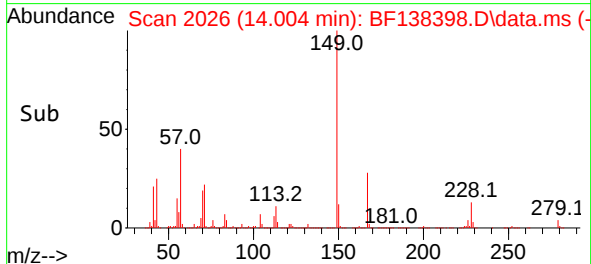
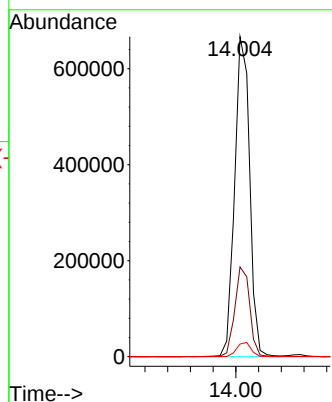
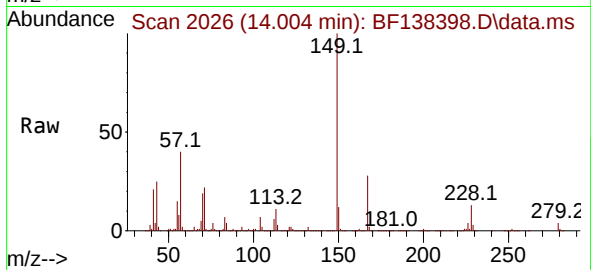




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.949 ng  
 RT: 14.004 min Scan# 2026  
 Delta R.T. -0.000 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

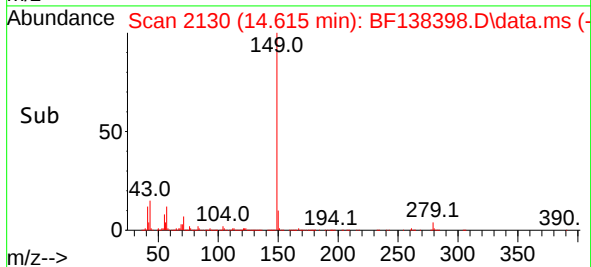
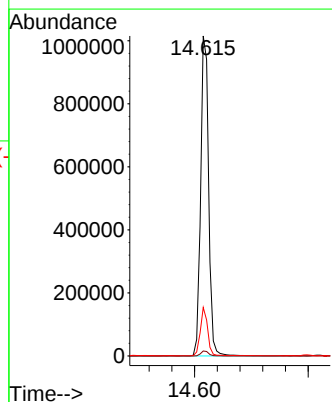
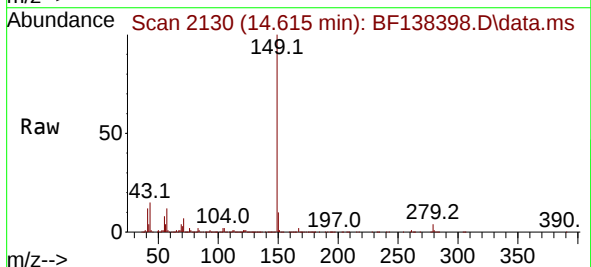
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161809BSD

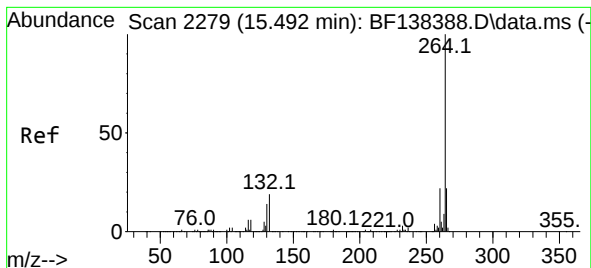
Tgt Ion:149 Resp: 610345  
 Ion Ratio Lower Upper  
 149 100  
 167 28.1 22.6 33.8  
 279 3.9 3.2 4.8



#85  
 Di-n-octyl phthalate  
 Concen: 44.628 ng  
 RT: 14.615 min Scan# 2130  
 Delta R.T. -0.006 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

Tgt Ion:149 Resp: 994314  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.3 1.9  
 43 13.8 10.9 16.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

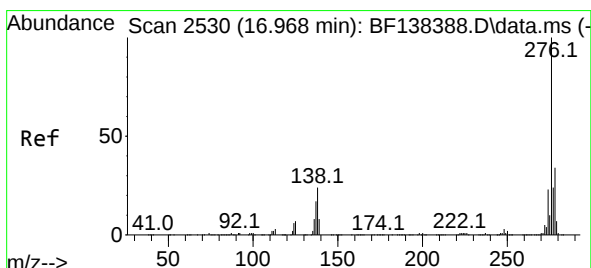
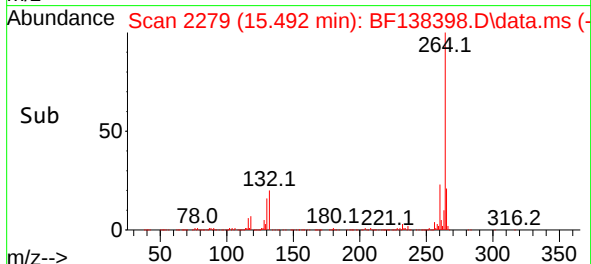
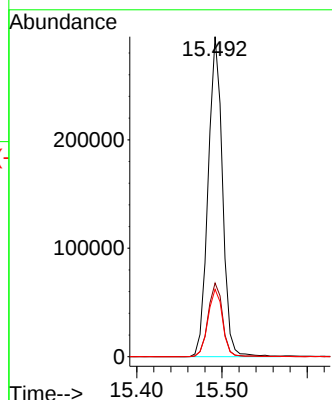
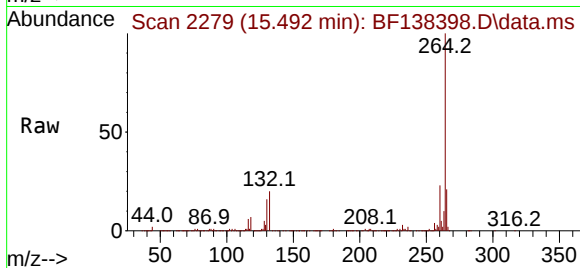
Tgt Ion:264 Resp: 344844

Ion Ratio Lower Upper

264 100

260 23.0 17.8 26.6

265 21.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 47.571 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.006 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

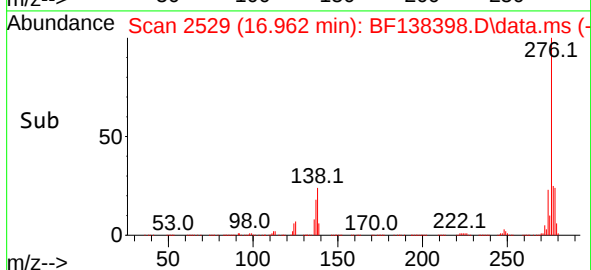
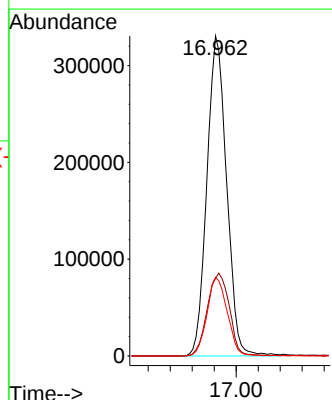
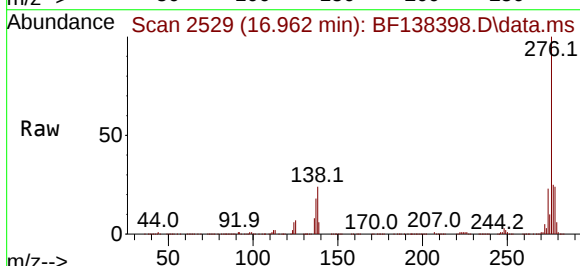
Tgt Ion:276 Resp: 824251

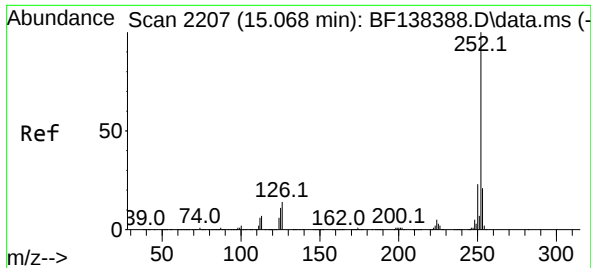
Ion Ratio Lower Upper

276 100

138 28.9 22.1 33.1

277 25.2 20.4 30.6

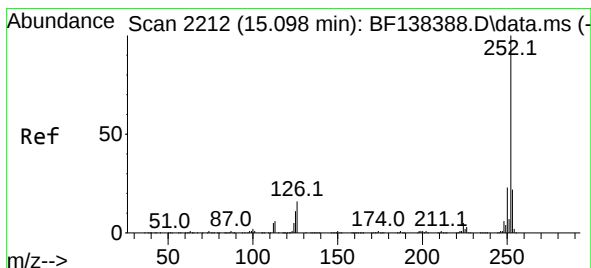
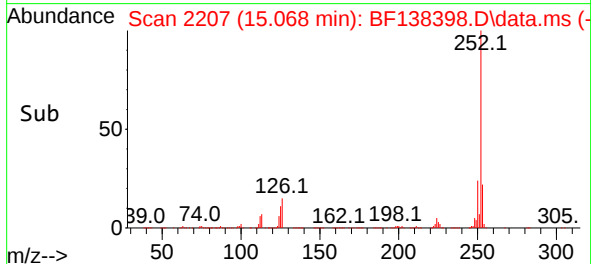
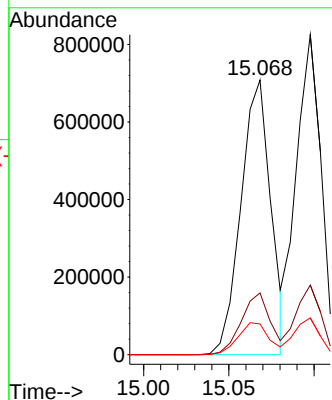
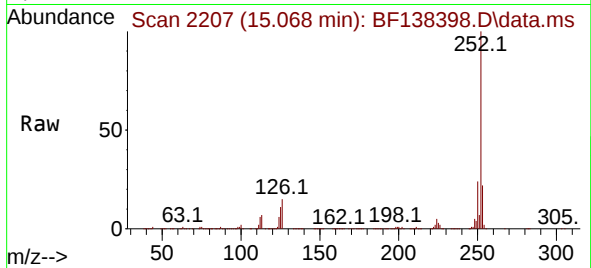




#88  
Benzo(b)fluoranthene  
Concen: 45.547 ng  
RT: 15.068 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

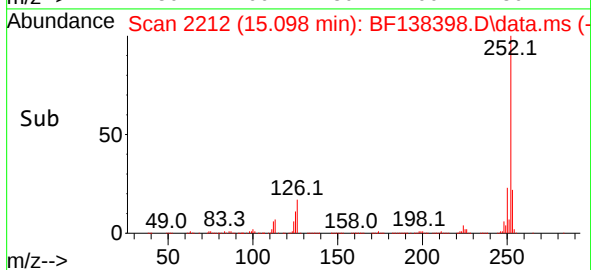
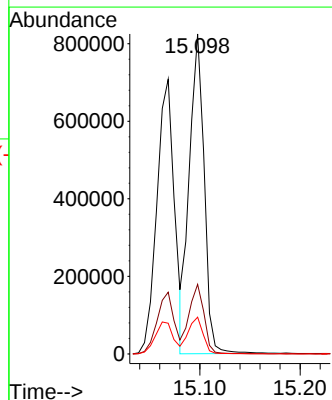
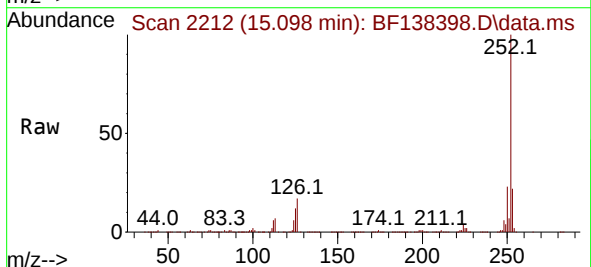
Instrument :  
BNA\_F  
ClientSampleId :  
PB161809BSD

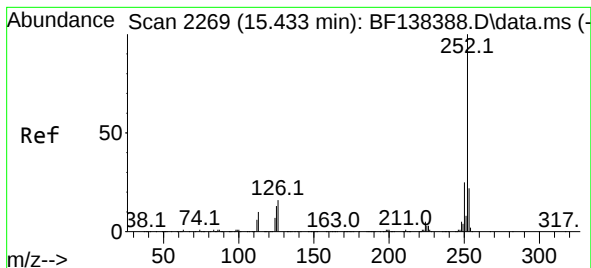
Tgt Ion:252 Resp: 861758  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.0 25.4  
125 11.2 8.6 12.8



#89  
Benzo(k)fluoranthene  
Concen: 48.576 ng  
RT: 15.098 min Scan# 2212  
Delta R.T. -0.000 min  
Lab File: BF138398.D  
Acq: 01 Jul 2024 12:28

Tgt Ion:252 Resp: 846539  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.2  
125 11.5 8.7 13.1





#90

Benzo(a)pyrene

Concen: 48.885 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

PB161809BSD

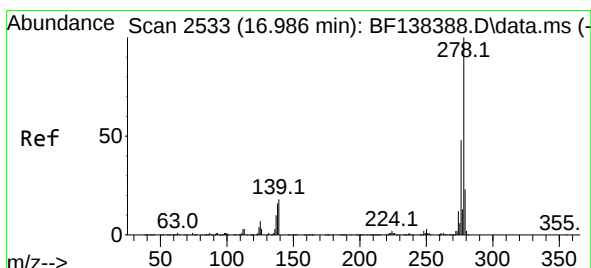
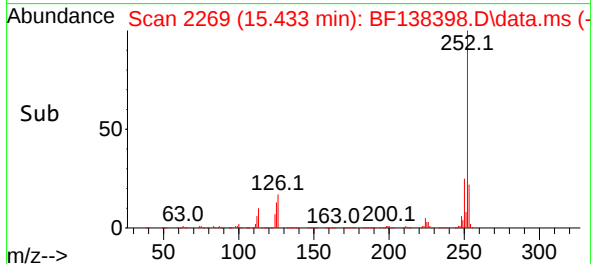
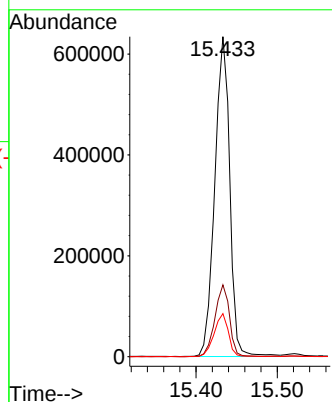
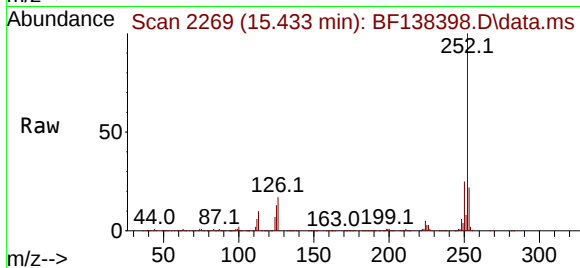
Tgt Ion:252 Resp: 810699

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 13.4 10.2 15.2



#91

Dibenzo(a,h)anthracene

Concen: 47.046 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.000 min

Lab File: BF138398.D

Acq: 01 Jul 2024 12:28

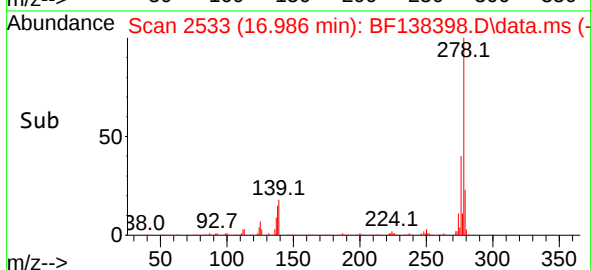
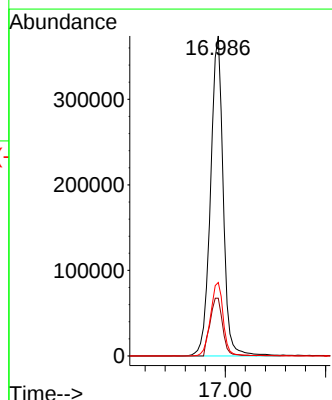
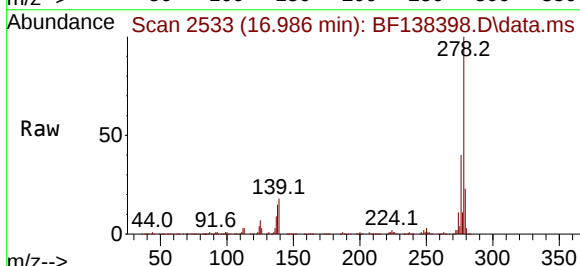
Tgt Ion:278 Resp: 657996

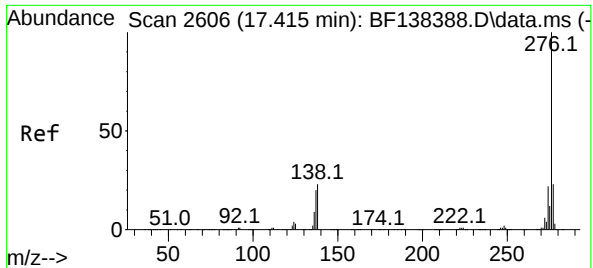
Ion Ratio Lower Upper

278 100

139 18.1 14.3 21.5

279 23.0 18.5 27.7





#92  
 Benzo(g,h,i)perylene  
 Concen: 44.993 ng  
 RT: 17.409 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: BF138398.D  
 Acq: 01 Jul 2024 12:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161809BSD

Tgt Ion:276 Resp: 615613  
 Ion Ratio Lower Upper  
 276 100  
 277 23.8 18.3 27.5  
 138 25.0 18.3 27.5

