

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080323\  
 Data File : BF134606.D  
 Acq On : 03 Aug 2023 11:59  
 Operator : CG\JU  
 Sample : 03686-02MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-16-18-20230719MSD

Quant Time: Aug 04 01:05:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 193368   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 736561   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 318856   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 510193   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.963 | 240  | 305137   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.421 | 264  | 262776   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1488822  | 117.039 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.434  | 99   | 1910893  | 117.514 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 1153988  | 97.909  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 398375   | 122.561 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1843163  | 96.113  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1805716  | 104.321 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.610  | 88   | 215262   | 36.780  | ng    | 96       |
| 3) Pyridine                   | 3.363  | 79   | 559787   | 35.296  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 323213   | 42.652  | ng    | # 61     |
| 6) Aniline                    | 6.463  | 93   | 644104   | 30.199  | ng    | 91       |
| 8) 2-Chlorophenol             | 6.581  | 128  | 608804   | 47.444  | ng    | 96       |
| 9) Benzaldehyde               | 6.351  | 77   | 331145   | 43.962  | ng    | 96       |
| 10) Phenol                    | 6.451  | 94   | 738874   | 46.109  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 572644   | 44.985  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 609026   | 45.872  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 615620   | 46.266  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 590134   | 47.600  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.940  | 79   | 516021   | 45.999  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 894891   | 44.872  | ng    | 89       |
| 17) 2-Methylphenol            | 7.051  | 107  | 481851   | 42.494  | ng    | 92       |
| 18) Hexachloroethane          | 7.304  | 117  | 203536   | 43.584  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 401761   | 41.266  | ng    | 91       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 554283   | 40.532  | ng    | # 82     |
| 22) Acetophenone              | 7.210  | 105  | 736813   | 43.331  | ng    | # 85     |
| 24) Nitrobenzene              | 7.381  | 77   | 597851   | 46.952  | ng    | 94       |
| 25) Isophorone                | 7.616  | 82   | 1115427  | 43.390  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.693  | 139  | 274804   | 50.446  | ng    | # 88     |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 521345   | 45.451  | ng    | 85       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 702714   | 45.696  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 462971   | 44.471  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 506729   | 45.645  | ng    | 98       |
| 31) Naphthalene               | 8.098  | 128  | 1578700  | 42.647  | ng    | 99       |
| 32) Benzoic acid              | 7.851  | 122  | 316398   | 43.222  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 267060   | 16.191  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 292422   | 45.665  | ng    | 98       |
| 35) Caprolactam               | 8.516  | 113  | 110728   | 32.967  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.628  | 107  | 460438   | 41.762  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.787  | 142  | 989375   | 40.322  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.887  | 142  | 908882   | 39.834  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 457467   | 49.338  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 207809   | 46.089  | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 297759   | 49.069  | ng    | 98       |

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 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

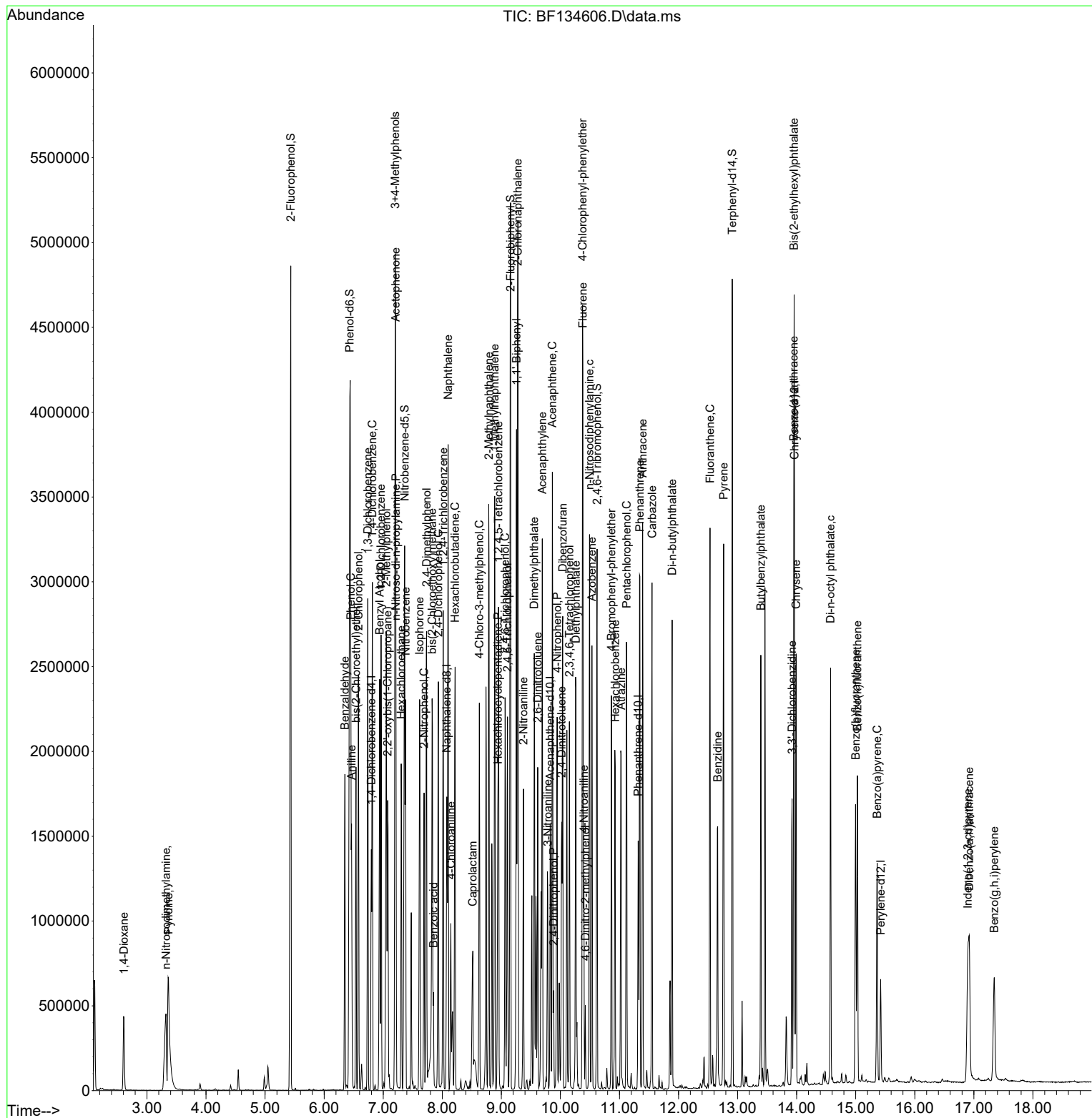
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 305133   | 43.996 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1158068  | 46.705 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 759228   | 40.865 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 274959   | 47.505 | ng    | 88       |
| 49) Acenaphthylene            | 9.692  | 152  | 1279268  | 43.804 | ng    | 100      |
| 50) Dimethylphthalate         | 9.557  | 163  | 1071635  | 49.311 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 219320   | 49.190 | ng    | 87       |
| 52) Acenaphthene              | 9.863  | 154  | 831187   | 43.918 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.787  | 138  | 193808   | 40.011 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 65098    | 46.254 | ng    | 87       |
| 55) Dibenzofuran              | 10.039 | 168  | 1124515  | 41.739 | ng    | 93       |
| 56) 4-Nitrophenol             | 9.945  | 139  | 363716   | 91.808 | ng    | # 76     |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 254953   | 47.440 | ng    | # 84     |
| 58) Fluorene                  | 10.381 | 166  | 793669   | 40.444 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 245443   | 44.733 | ng    | 97       |
| 60) Diethylphthalate          | 10.263 | 149  | 945852   | 45.917 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 411606   | 42.672 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 192186   | 40.479 | ng    | 86       |
| 63) Azobenzene                | 10.534 | 77   | 887784   | 40.113 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 51568    | 29.174 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 766252   | 47.186 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 266096   | 47.645 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.928 | 284  | 286979   | 48.660 | ng    | # 90     |
| 69) Atrazine                  | 11.028 | 200  | 257392   | 58.806 | ng    | 99       |
| 70) Pentachlorophenol         | 11.122 | 266  | 319216   | 87.417 | ng    | 96       |
| 71) Phenanthrene              | 11.345 | 178  | 1203896  | 44.425 | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 1217282  | 43.976 | ng    | 98       |
| 73) Carbazole                 | 11.551 | 167  | 1102227  | 44.597 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1269171  | 48.336 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 1243577  | 43.443 | ng    | 97       |
| 77) Benzidine                 | 12.663 | 184  | 619792   | 93.569 | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 1279305  | 48.451 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 521209   | 58.377 | ng    | # 95     |
| 81) Benzo(a)anthracene        | 13.951 | 228  | 976259   | 44.744 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.922 | 252  | 353417   | 55.881 | ng    | 99       |
| 83) Chrysene                  | 13.992 | 228  | 919878   | 43.274 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 635050   | 60.441 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 1083420  | 67.807 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.898 | 276  | 709004   | 45.877 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 14.998 | 252  | 752085   | 46.928 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 756319   | 47.374 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.363 | 252  | 635415   | 42.523 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 589809   | 47.224 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 544689   | 42.753 | ng    | # 93     |

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

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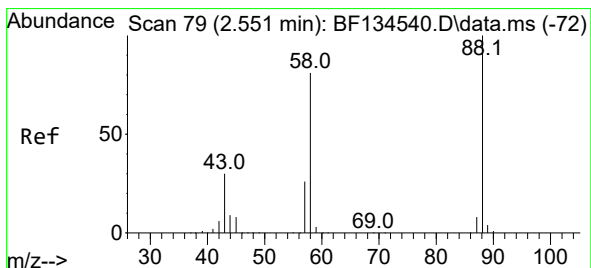
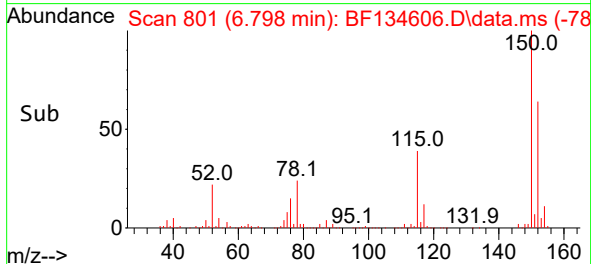
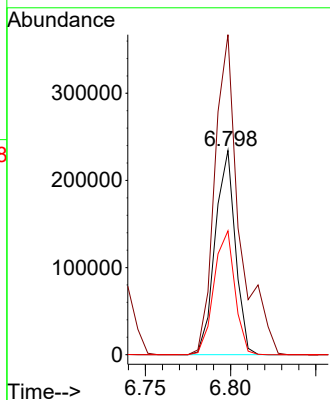
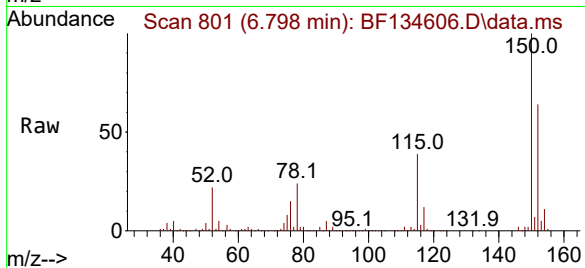




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.798 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

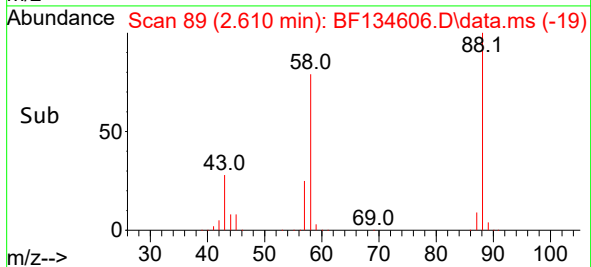
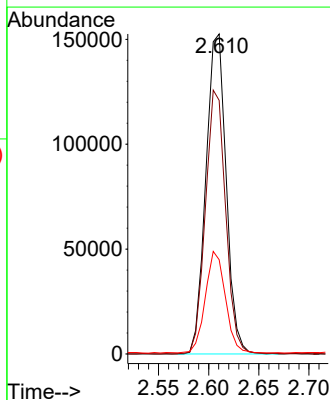
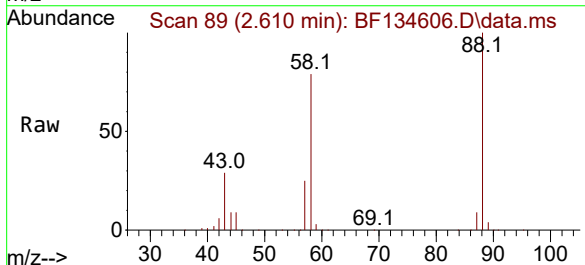
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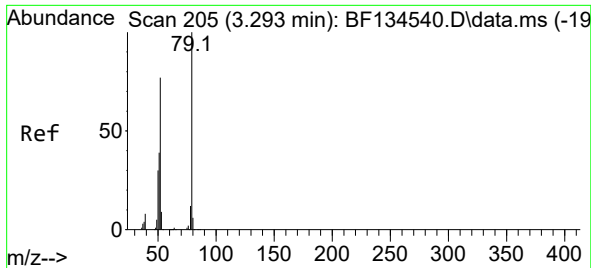
Tgt Ion:152 Resp: 193368  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 128.3 192.5  
 115 60.7 52.4 78.6



#2  
 1,4-Dioxane  
 Concen: 36.780 ng  
 RT: 2.610 min Scan# 89  
 Delta R.T. 0.059 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

Tgt Ion: 88 Resp: 215262  
 Ion Ratio Lower Upper  
 88 100  
 58 82.4 65.1 97.7  
 43 31.7 30.3 45.5

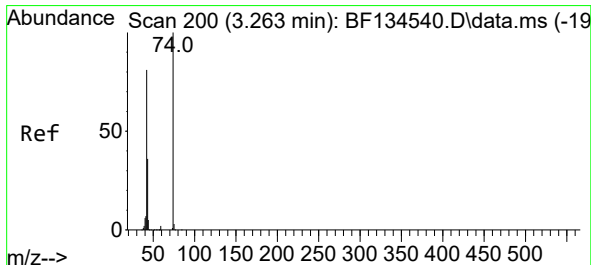
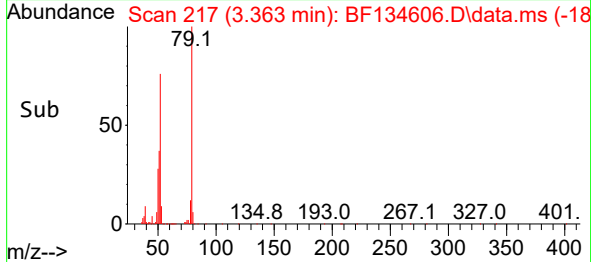
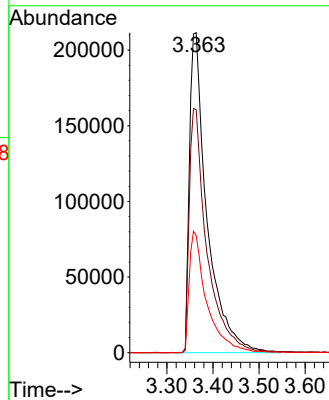
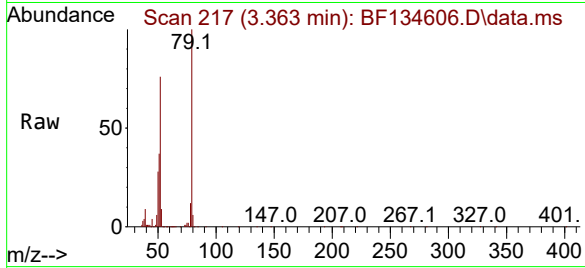




#3  
Pyridine  
Concen: 35.296 ng  
RT: 3.363 min Scan# 217  
Delta R.T. 0.071 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

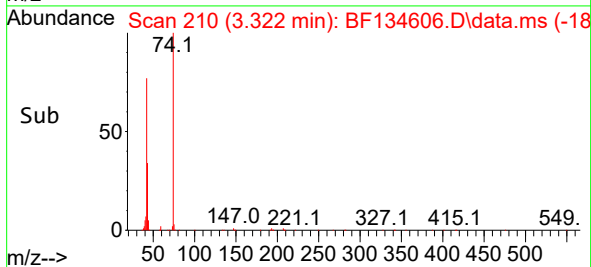
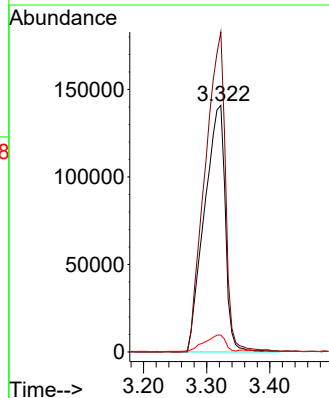
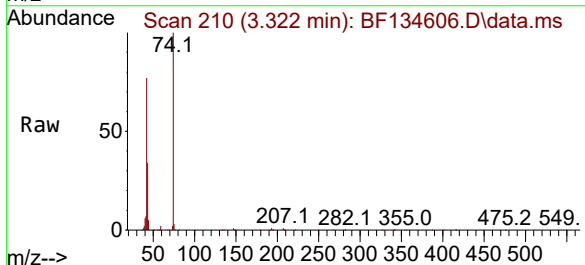
Instrument :  
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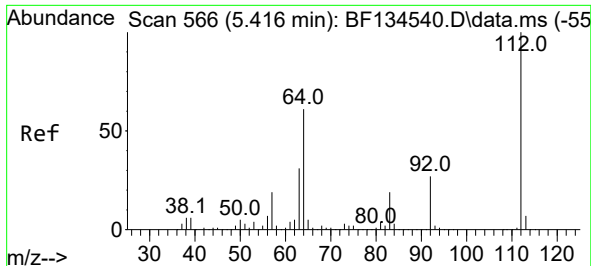
Tgt Ion: 79 Resp: 559787  
Ion Ratio Lower Upper  
79 100  
52 75.9 66.6 100.0  
51 36.6 36.5 54.7



#4  
n-Nitrosodimethylamine  
Concen: 42.652 ng  
RT: 3.322 min Scan# 210  
Delta R.T. 0.059 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion: 42 Resp: 323213  
Ion Ratio Lower Upper  
42 100  
74 129.8 72.2 108.4#  
44 6.9 5.4 8.0

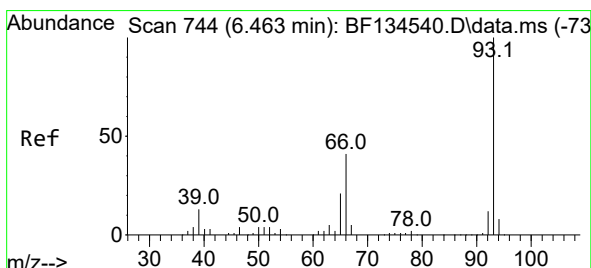
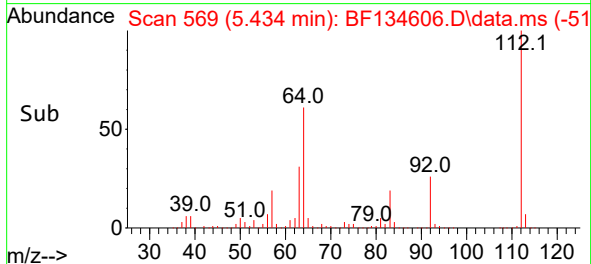
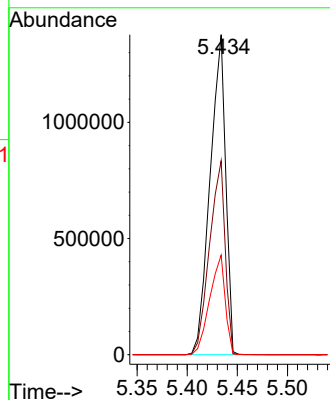
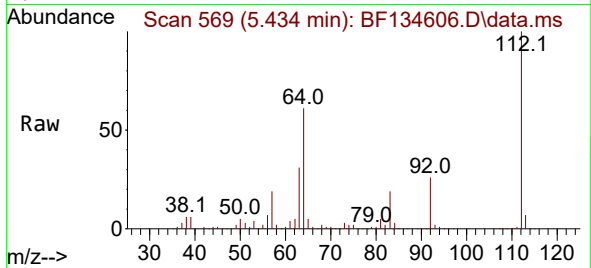




#5  
2-Fluorophenol  
Concen: 117.039 ng  
RT: 5.434 min Scan# 566  
Delta R.T. 0.018 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

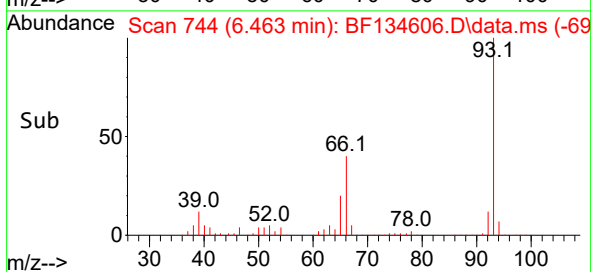
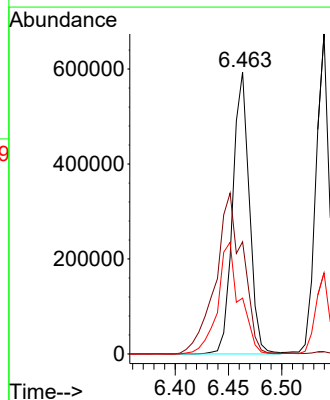
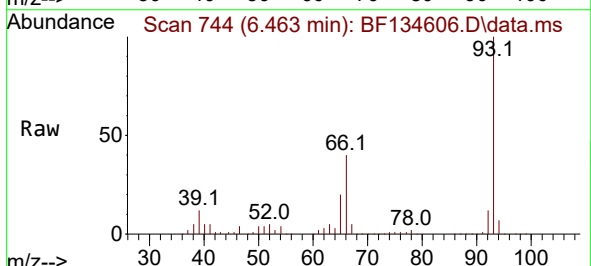
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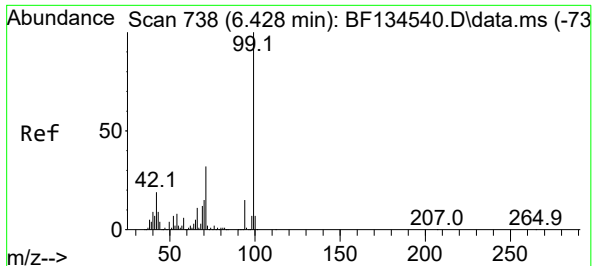
Tgt Ion:112 Resp: 1488822  
Ion Ratio Lower Upper  
112 100  
64 60.6 44.9 67.3  
63 31.1 25.4 38.0



#6  
Aniline  
Concen: 30.199 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion: 93 Resp: 644104  
Ion Ratio Lower Upper  
93 100  
66 39.8 36.8 55.2  
65 19.8 19.4 29.0

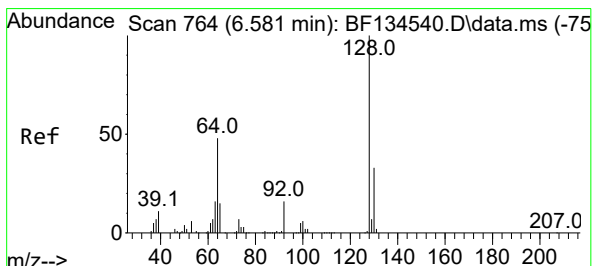
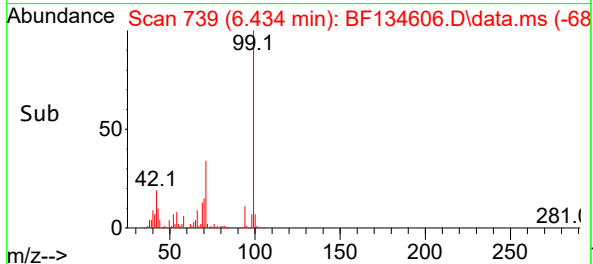
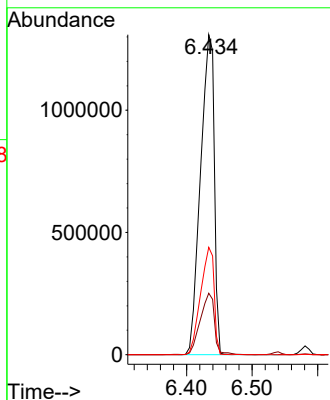
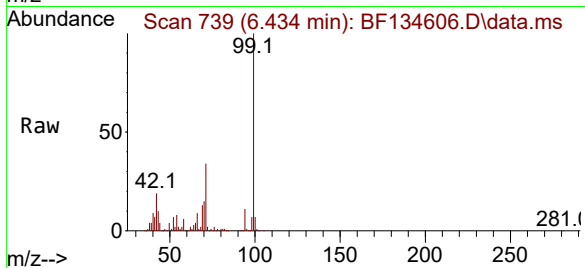




#7  
Phenol-d6  
Concen: 117.514 ng  
RT: 6.434 min Scan# 739  
Delta R.T. 0.006 min  
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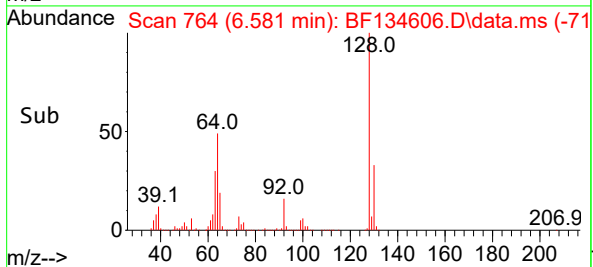
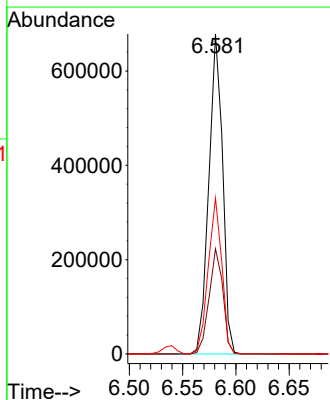
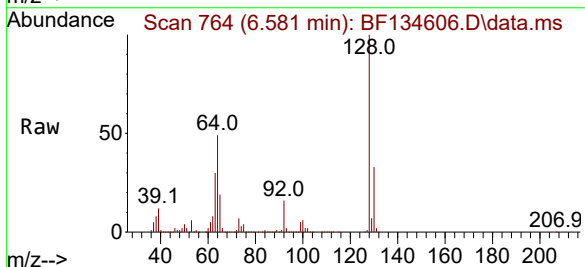
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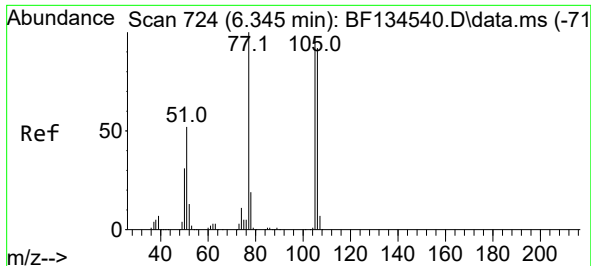
Tgt Ion: 99 Resp: 1910893  
Ion Ratio Lower Upper  
99 100  
42 19.2 18.7 28.1  
71 33.5 36.4 54.6#



#8  
2-Chlorophenol  
Concen: 47.444 ng  
RT: 6.581 min Scan# 764  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion: 128 Resp: 608804  
Ion Ratio Lower Upper  
128 100  
130 32.9 11.1 51.1  
64 48.7 31.9 71.9

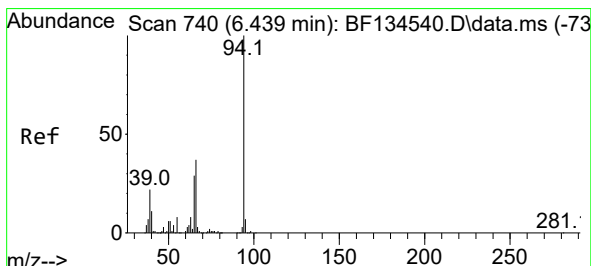
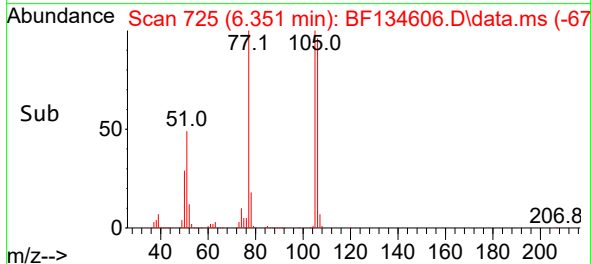
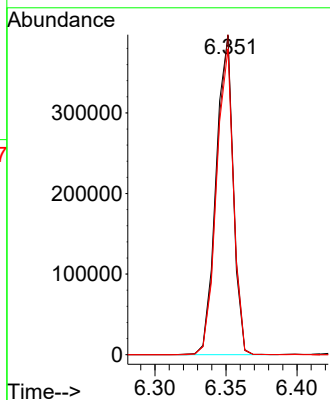
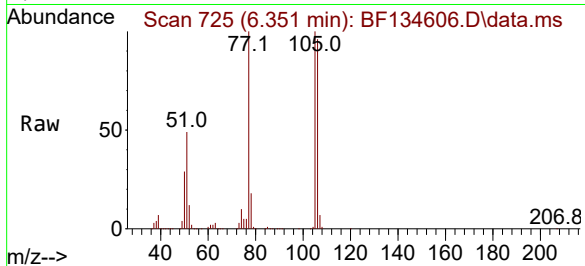




#9  
Benzaldehyde  
Concen: 43.962 ng  
RT: 6.351 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

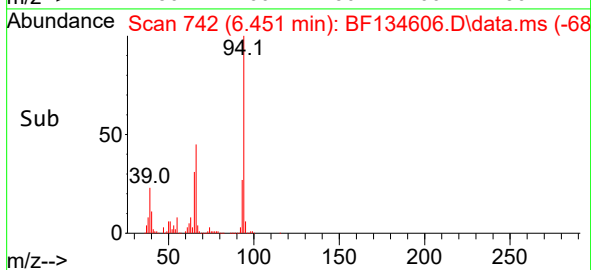
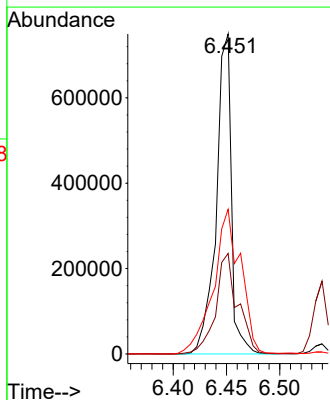
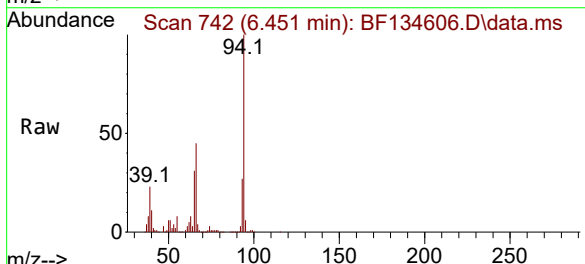
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

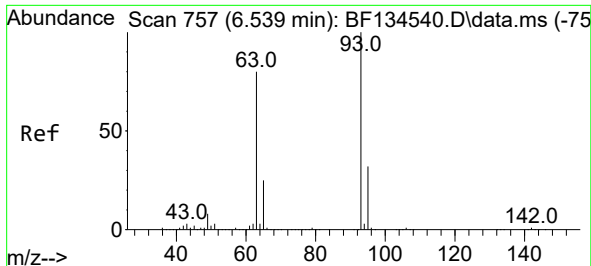
Tgt Ion: 77 Resp: 331145  
Ion Ratio Lower Upper  
77 100  
105 100.4 77.1 117.1  
106 96.0 71.4 111.4



#10  
Phenol  
Concen: 46.109 ng  
RT: 6.451 min Scan# 742  
Delta R.T. 0.012 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion: 94 Resp: 738874  
Ion Ratio Lower Upper  
94 100  
65 31.4 17.8 57.8  
66 45.2 35.2 75.2

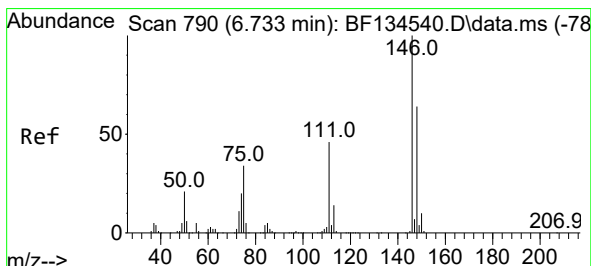
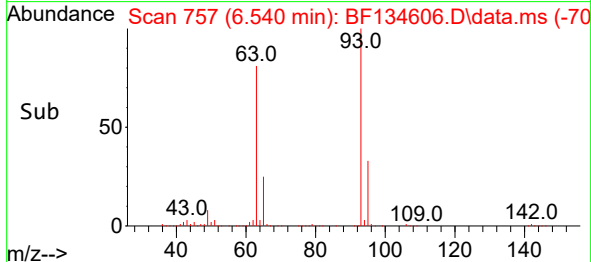
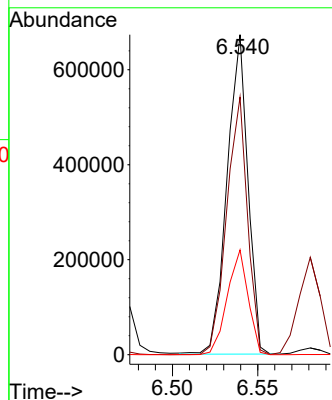
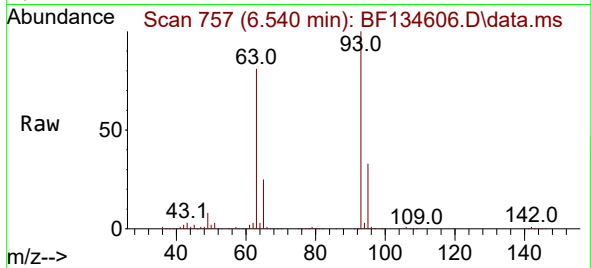




#11  
bis(2-Chloroethyl)ether  
Concen: 44.985 ng  
RT: 6.540 min Scan# 711  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

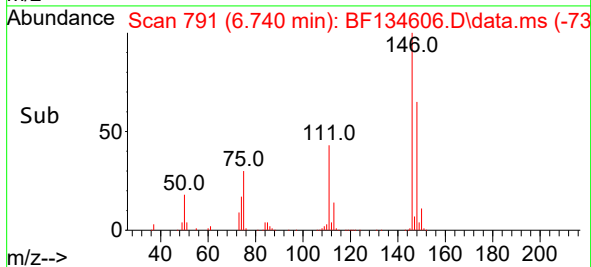
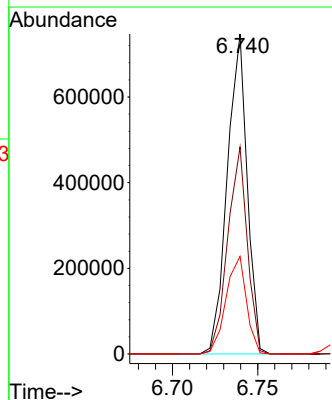
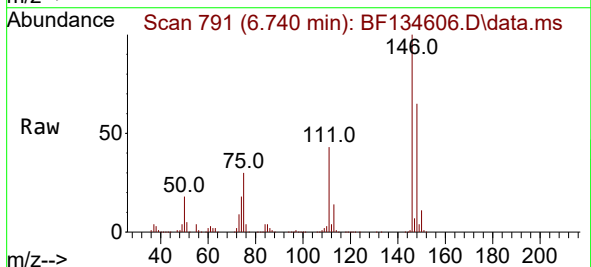
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

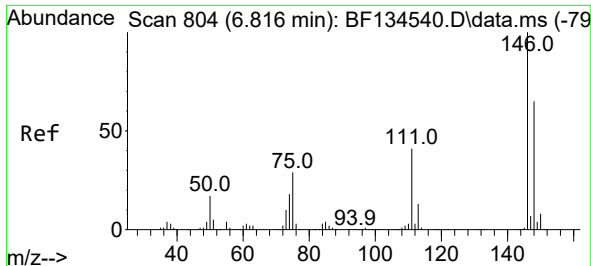
Tgt Ion: 93 Resp: 572644  
Ion Ratio Lower Upper  
93 100  
63 80.5 68.4 108.4  
95 32.7 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 45.872 ng  
RT: 6.740 min Scan# 791  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion: 146 Resp: 609026  
Ion Ratio Lower Upper  
146 100  
148 64.7 49.7 74.5  
75 30.5 29.5 44.3





#13

1,4-Dichlorobenzene

Concen: 46.266 ng

RT: 6.816 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

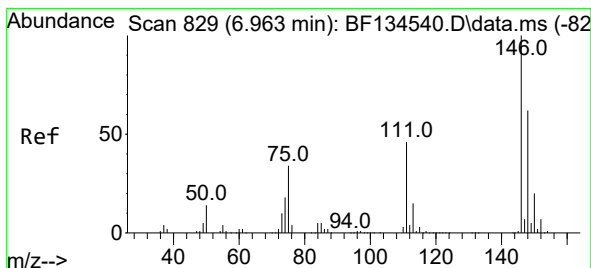
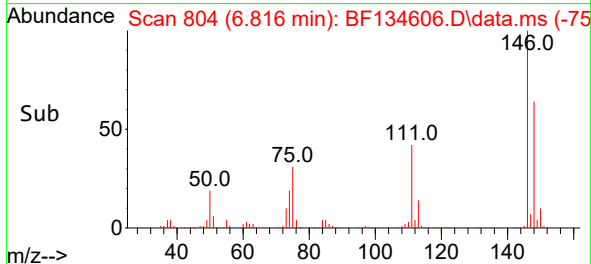
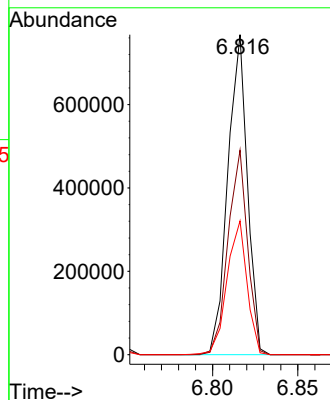
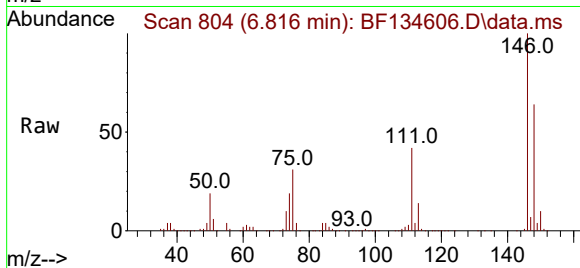
Tgt Ion:146 Resp: 615620

Ion Ratio Lower Upper

146 100

148 63.9 51.3 76.9

111 41.8 36.6 55.0



#14

1,2-Dichlorobenzene

Concen: 47.600 ng

RT: 6.963 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

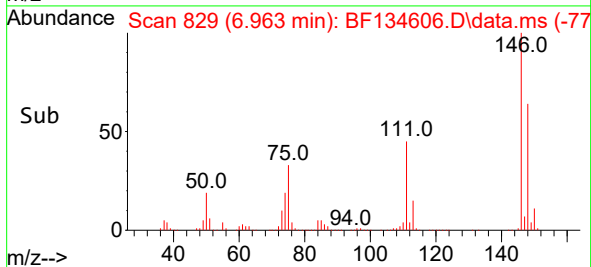
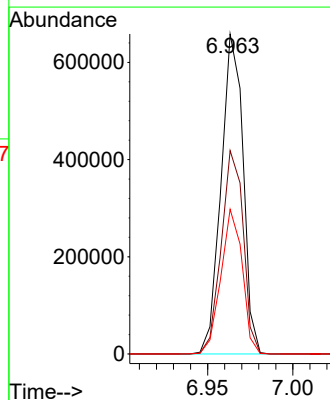
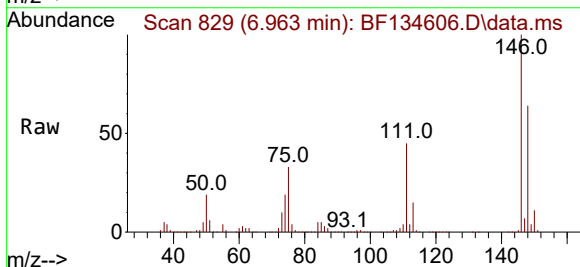
Tgt Ion:146 Resp: 590134

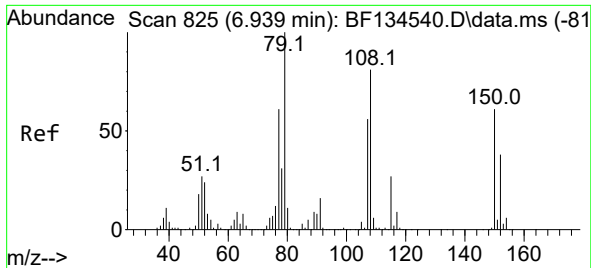
Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

111 45.2 39.9 59.9

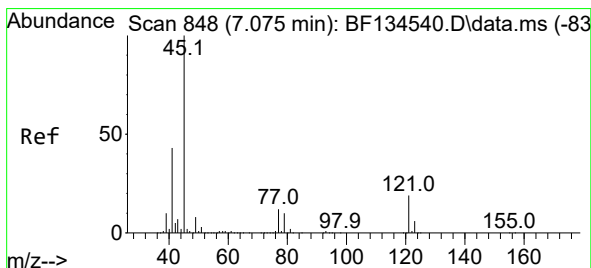
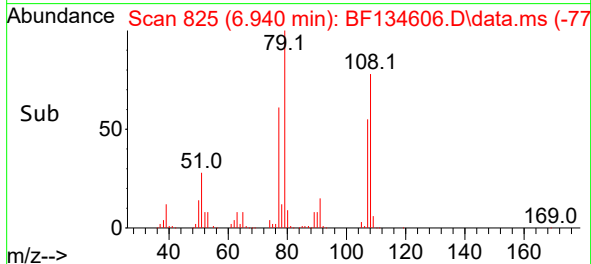
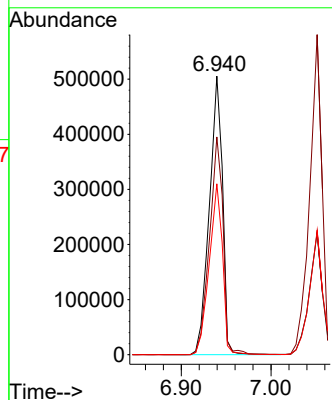
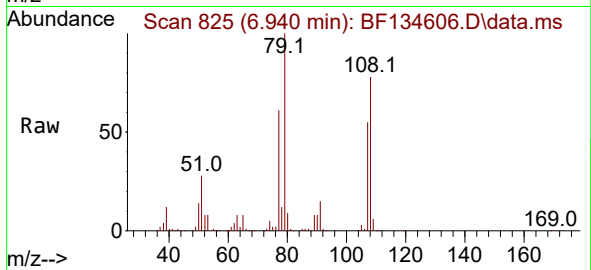




#15  
Benzyl Alcohol  
Concen: 45.999 ng  
RT: 6.940 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

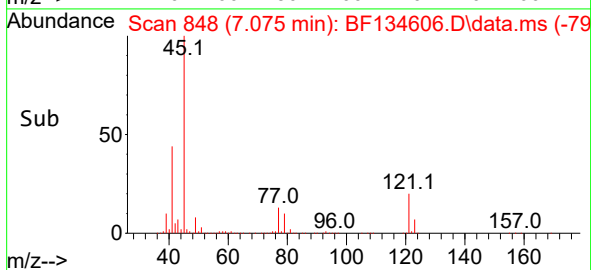
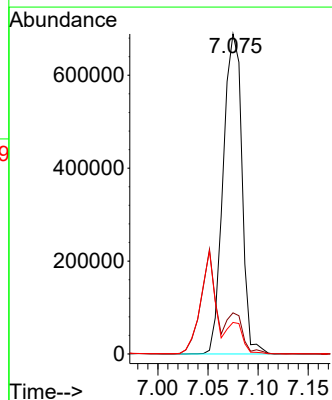
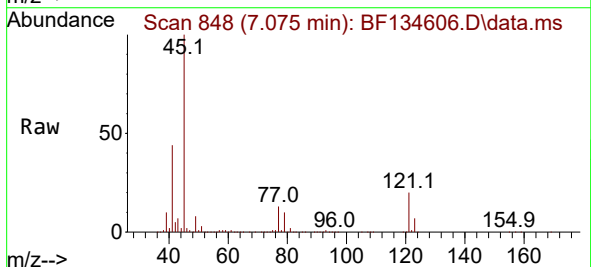
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

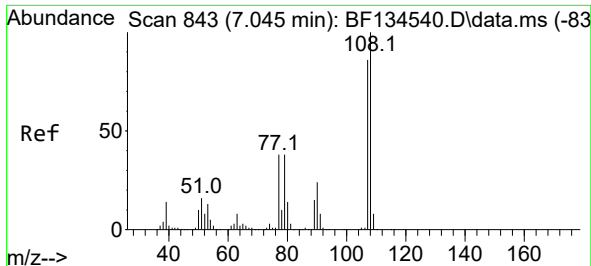
Tgt Ion: 79 Resp: 516021  
Ion Ratio Lower Upper  
79 100  
108 78.2 56.3 84.5  
77 61.3 50.6 76.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.872 ng  
RT: 7.075 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

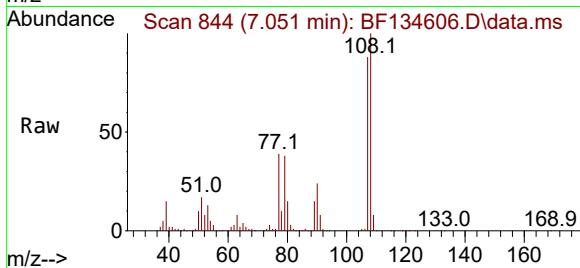
Tgt Ion: 45 Resp: 894891  
Ion Ratio Lower Upper  
45 100  
77 12.9 0.0 37.8  
79 9.8 0.0 34.5



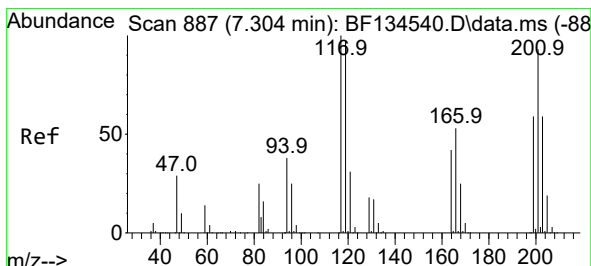
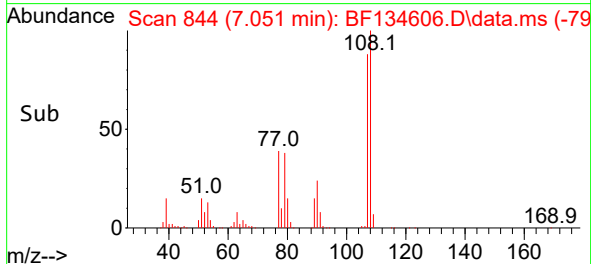
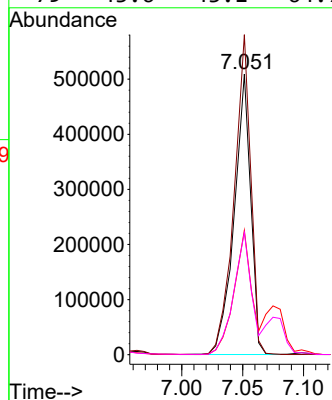


#17  
2-Methylphenol  
Concen: 42.494 ng  
RT: 7.051 min Scan# 843  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

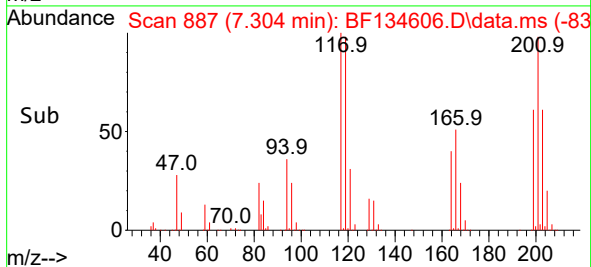
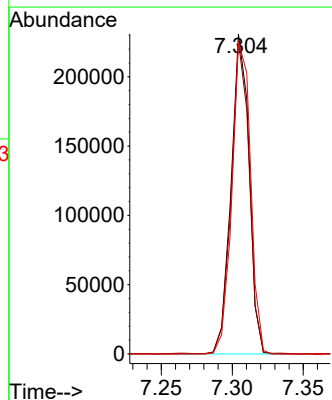
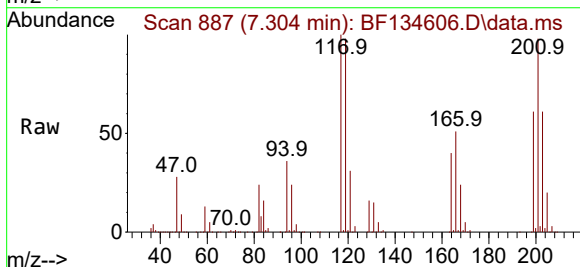


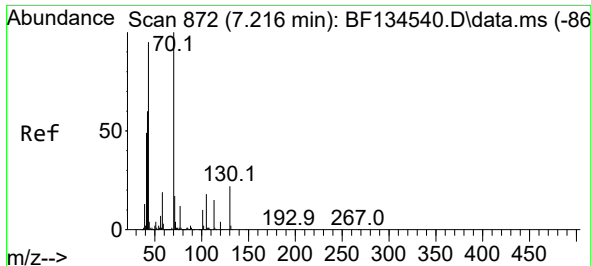
Tgt Ion:107 Resp: 481851  
Ion Ratio Lower Upper  
107 100  
108 114.0 89.4 134.2  
77 44.3 42.4 63.6  
79 43.6 43.1 64.7



#18  
Hexachloroethane  
Concen: 43.584 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:117 Resp: 203536  
Ion Ratio Lower Upper  
117 100  
119 97.8 75.8 113.8  
201 97.6 73.6 110.4



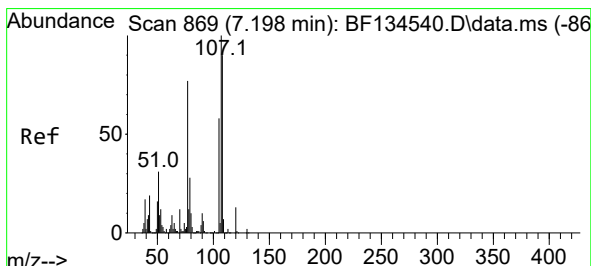
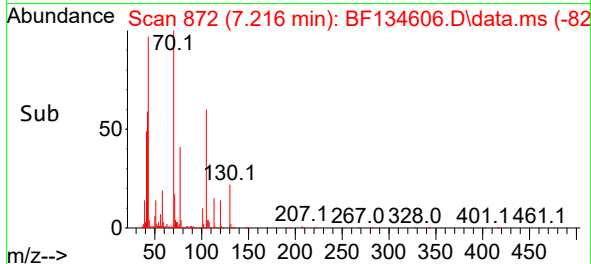
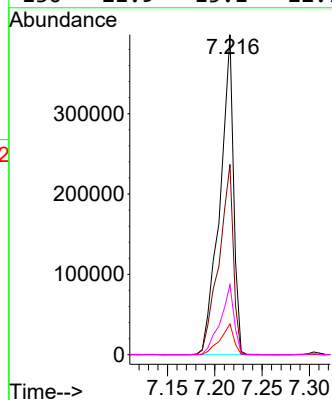
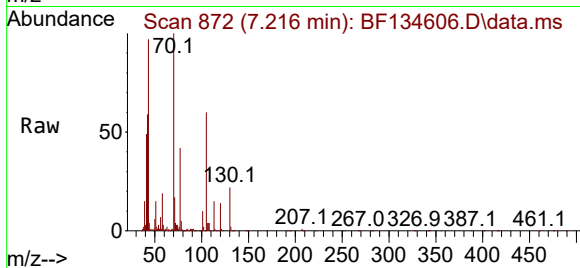


#19  
n-Nitroso-di-n-propylamine  
Concen: 41.266 ng  
RT: 7.216 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

Tgt Ion: 70 Resp: 401761

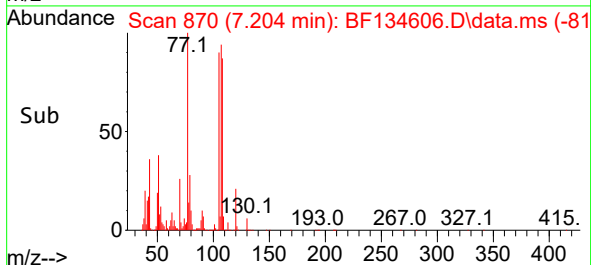
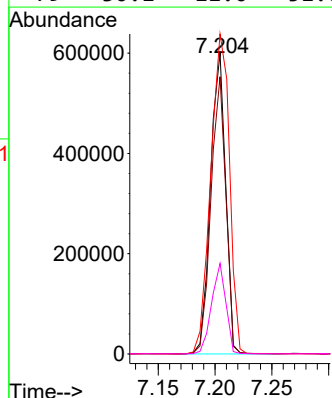
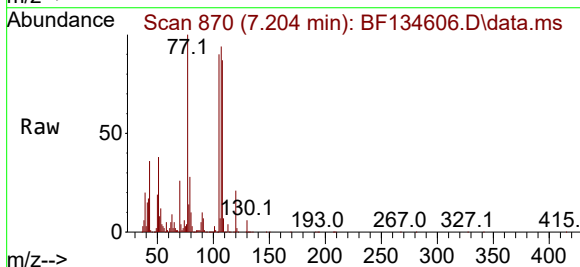
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 59.4  | 54.7  | 82.1  |
| 101 | 9.7   | 8.2   | 12.2  |
| 130 | 21.9  | 15.1  | 22.7  |



#20  
3+4-Methylphenols  
Concen: 40.532 ng  
RT: 7.204 min Scan# 870  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion: 107 Resp: 554283

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 92.1  | 68.1  | 108.1  |
| 77  | 106.2 | 122.1 | 162.1# |
| 79  | 30.1  | 11.0  | 51.0   |

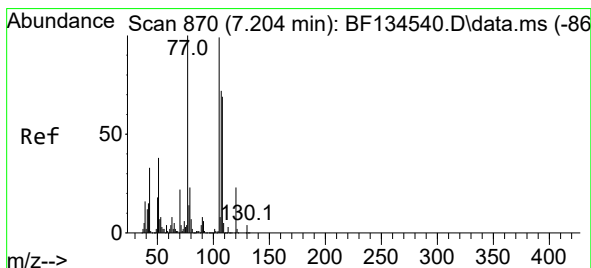
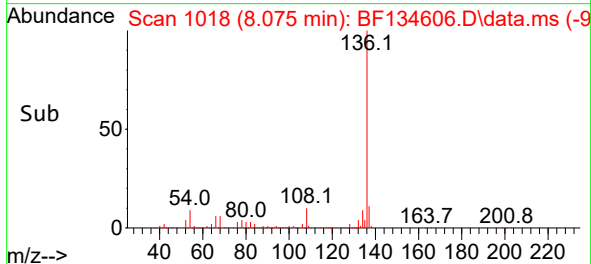
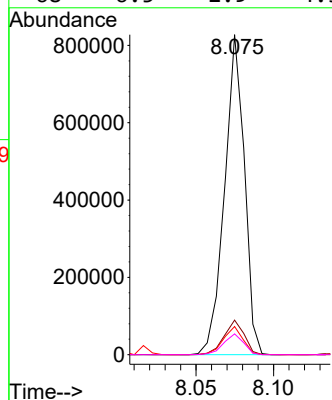
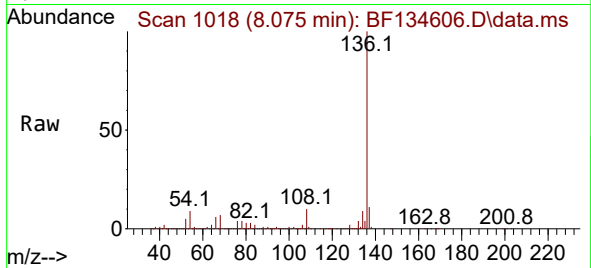




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

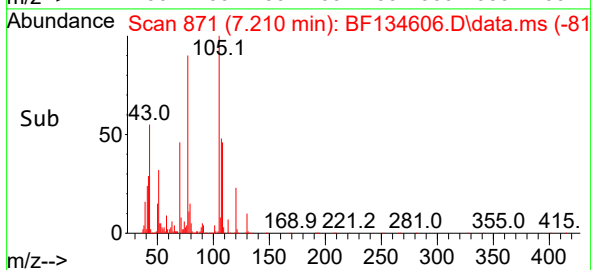
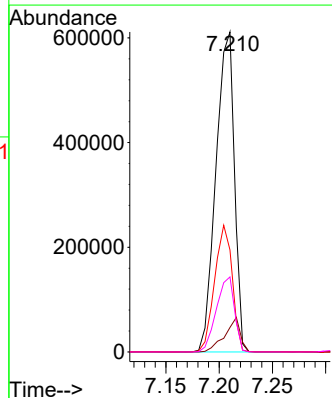
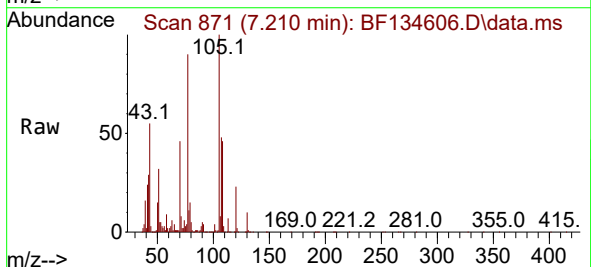
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

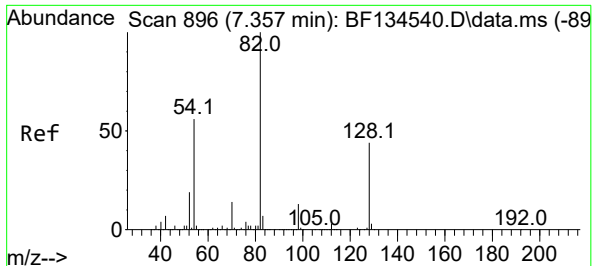
Tgt Ion:136 Resp: 736561  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 8.8 5.2 7.8#  
68 6.5 2.9 4.3#



#22  
Acetophenone  
Concen: 43.331 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:105 Resp: 736813  
Ion Ratio Lower Upper  
105 100  
71 7.7 7.4 11.0  
51 31.9 36.4 54.6#  
120 23.4 16.6 25.0





#23

Nitrobenzene-d5

Concen: 97.909 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

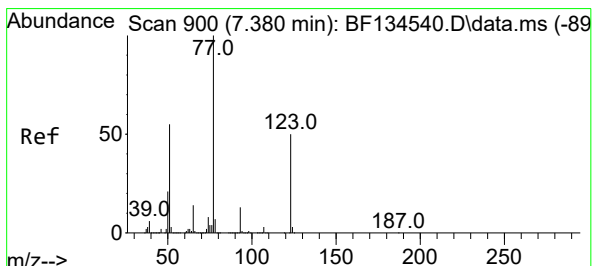
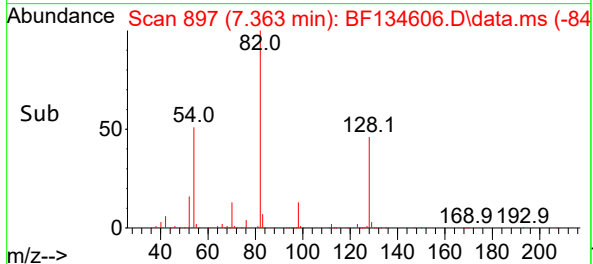
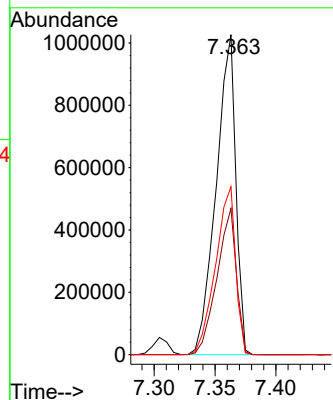
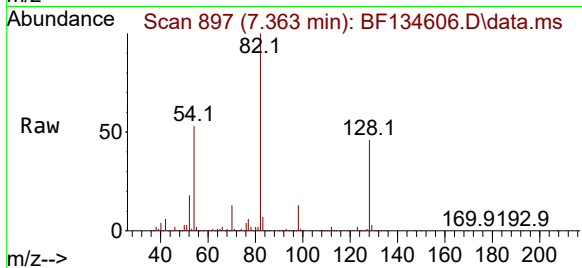
Tgt Ion: 82 Resp: 1153988

Ion Ratio Lower Upper

82 100

128 45.7 34.3 51.5

54 52.5 43.8 65.6



#24

Nitrobenzene

Concen: 46.952 ng

RT: 7.381 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

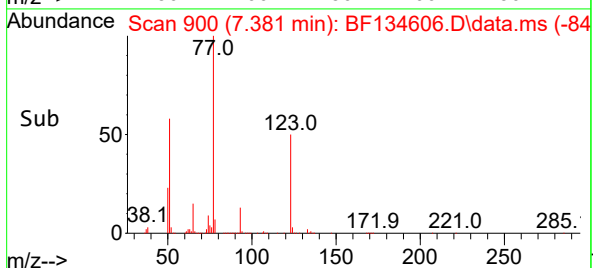
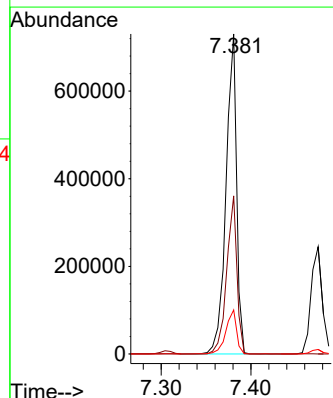
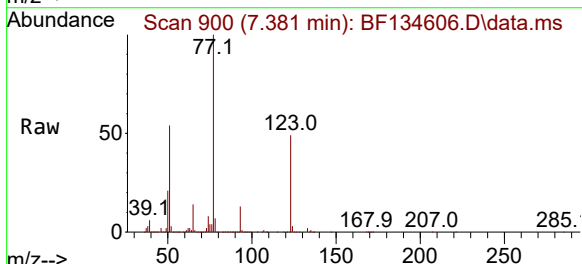
Tgt Ion: 77 Resp: 597851

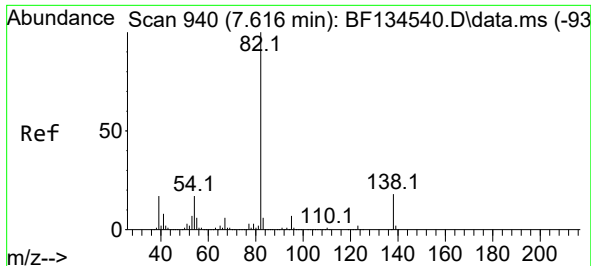
Ion Ratio Lower Upper

77 100

123 49.4 35.5 53.3

65 13.7 11.9 17.9

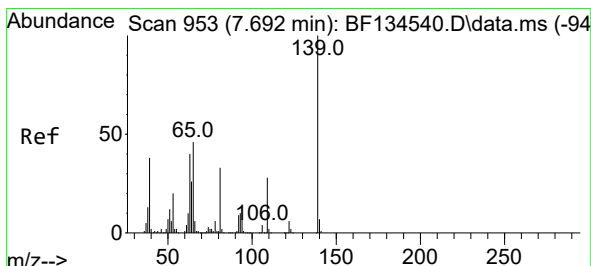
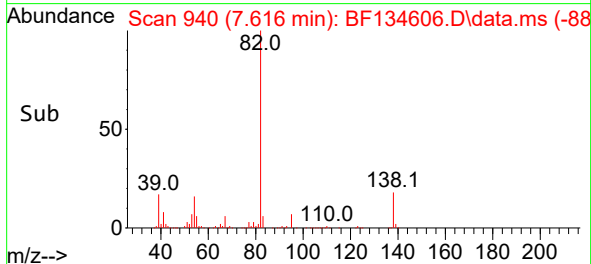
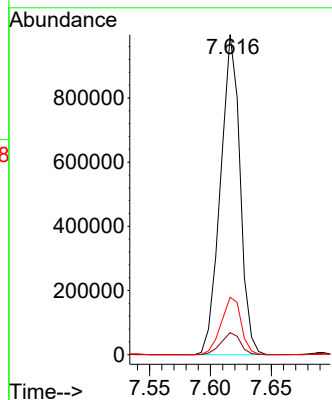
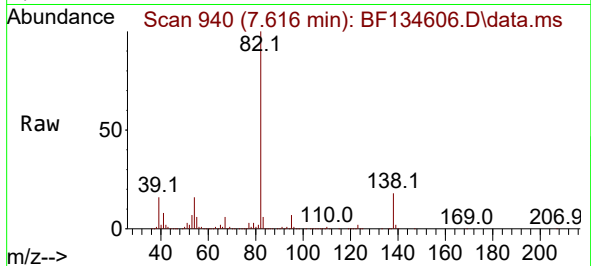




#25  
Isophorone  
Concen: 43.390 ng  
RT: 7.616 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

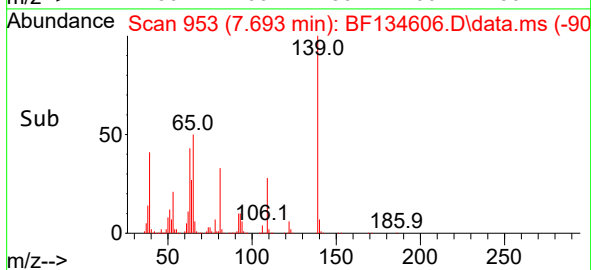
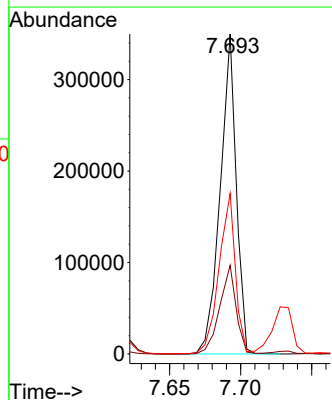
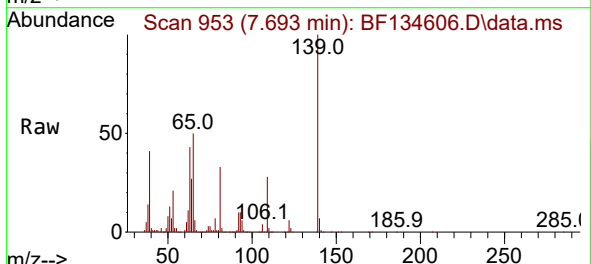
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

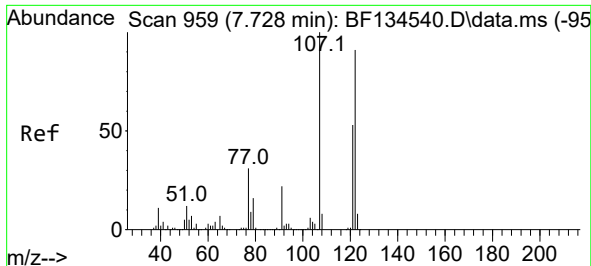
Tgt Ion: 82 Resp: 1115427  
Ion Ratio Lower Upper  
82 100  
95 6.9 6.0 9.0  
138 18.0 14.6 22.0



#26  
2-Nitrophenol  
Concen: 50.446 ng  
RT: 7.693 min Scan# 953  
Delta R.T. 0.001 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:139 Resp: 274804  
Ion Ratio Lower Upper  
139 100  
109 27.7 29.8 44.6#  
65 50.1 45.4 68.2





#27

2,4-Dimethylphenol

Concen: 45.451 ng

RT: 7.734 min Scan# 960

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

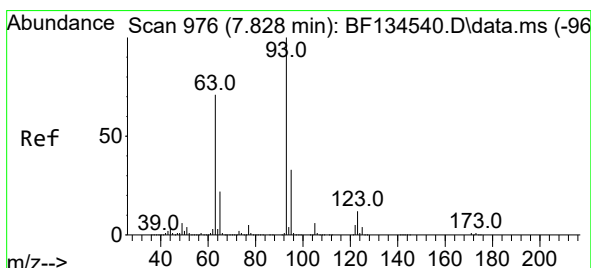
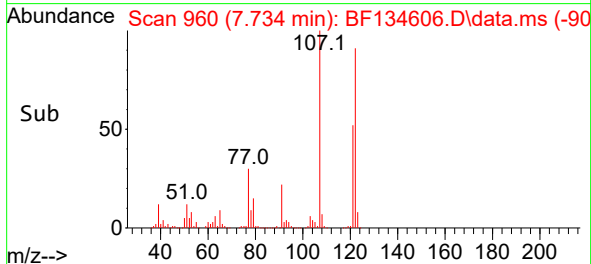
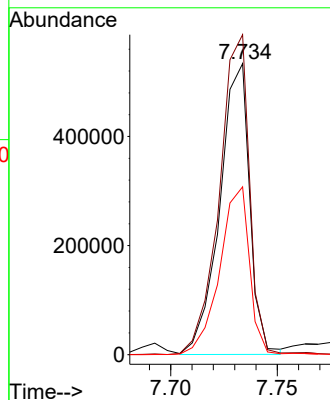
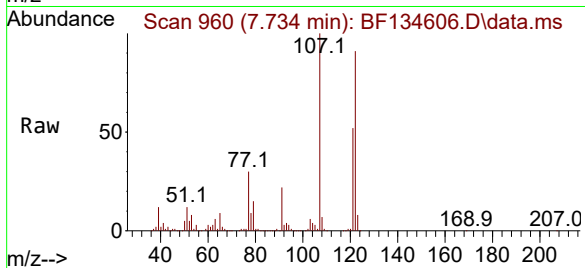
Tgt Ion:122 Resp: 521345

Ion Ratio Lower Upper

122 100

107 110.0 106.7 160.1

121 57.7 49.0 73.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.696 ng

RT: 7.828 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

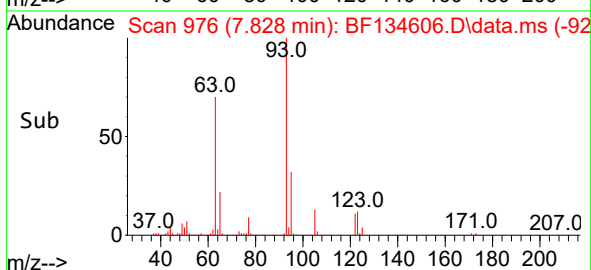
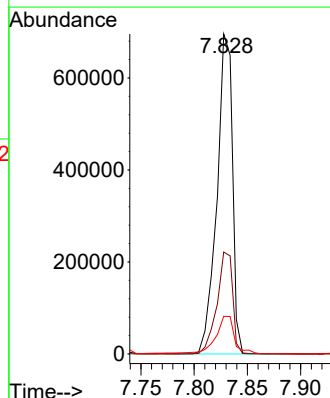
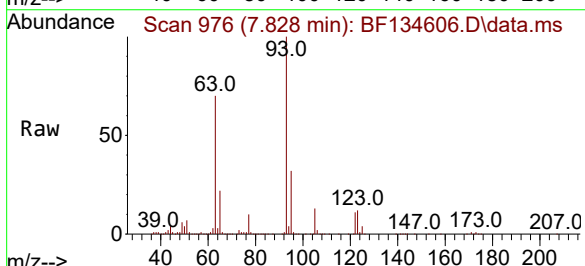
Tgt Ion: 93 Resp: 702714

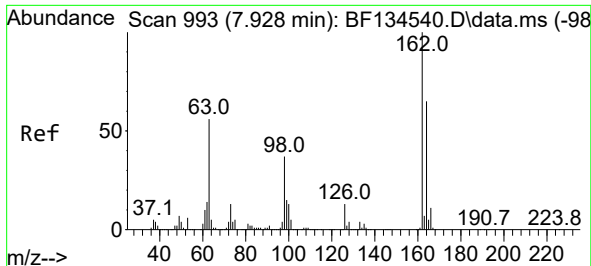
Ion Ratio Lower Upper

93 100

95 31.8 26.5 39.7

123 11.7 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 44.471 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

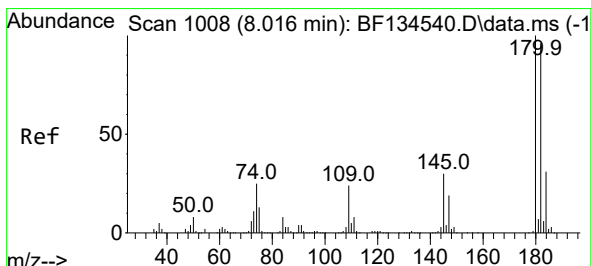
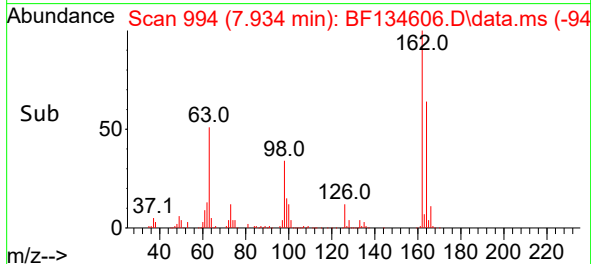
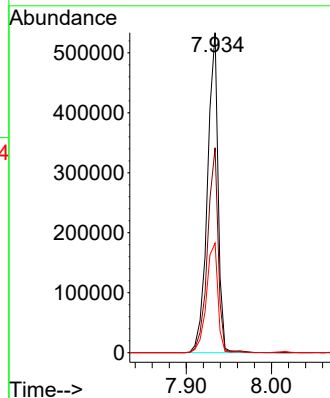
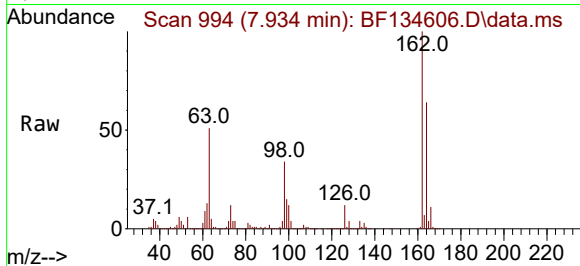
Tgt Ion:162 Resp: 462971

Ion Ratio Lower Upper

162 100

164 64.1 42.2 82.2

98 34.2 15.5 55.5



#30

1,2,4-Trichlorobenzene

Concen: 45.645 ng

RT: 8.016 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

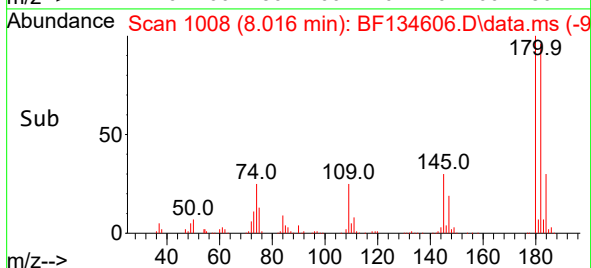
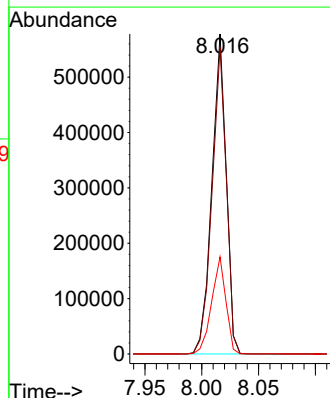
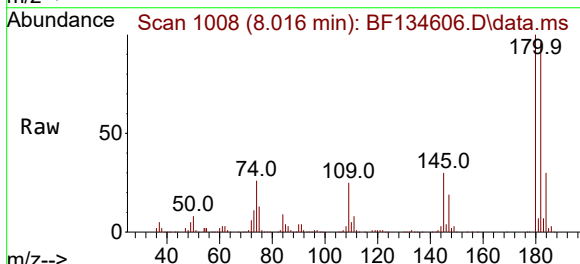
Tgt Ion:180 Resp: 506729

Ion Ratio Lower Upper

180 100

182 95.9 75.0 112.6

145 30.4 25.5 38.3

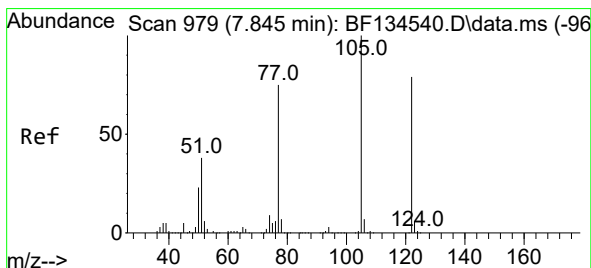
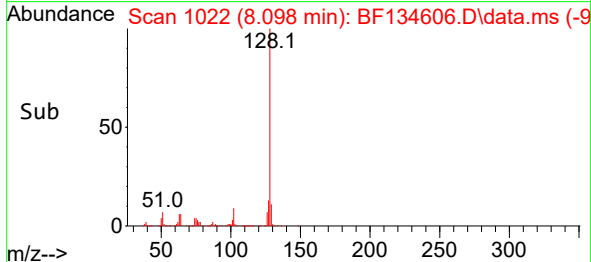
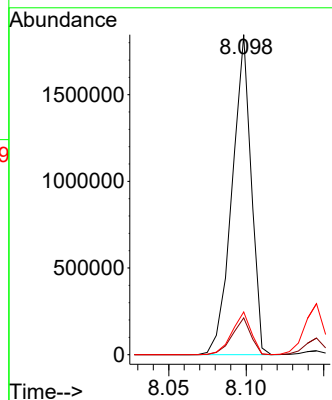
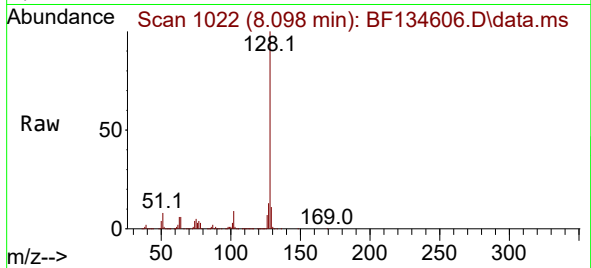




#31  
Naphthalene  
Concen: 42.647 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

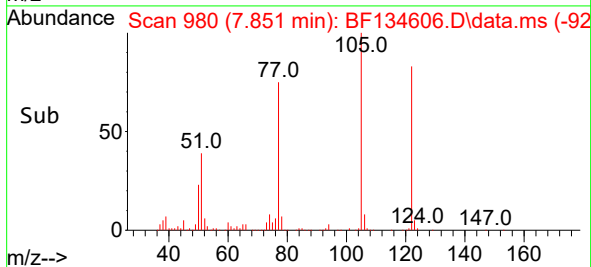
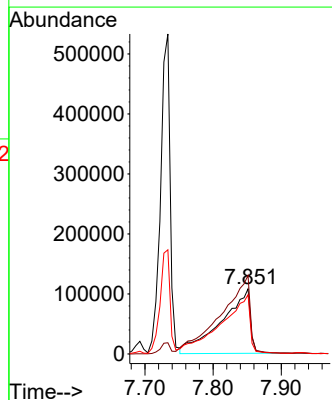
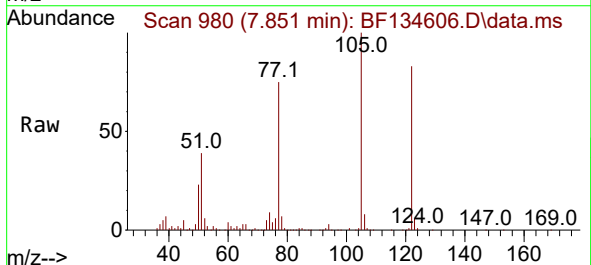
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BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

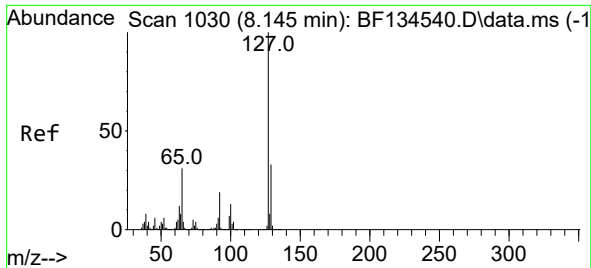
Tgt Ion:128 Resp: 1578700  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.4 12.6  
127 13.4 10.7 16.1



#32  
Benzoic acid  
Concen: 43.222 ng  
RT: 7.851 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:122 Resp: 316398  
Ion Ratio Lower Upper  
122 100  
105 120.6 87.5 127.5  
77 90.8 71.4 111.4

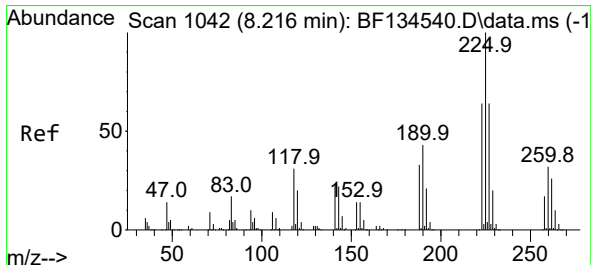
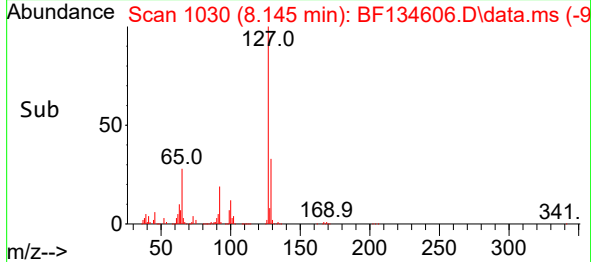
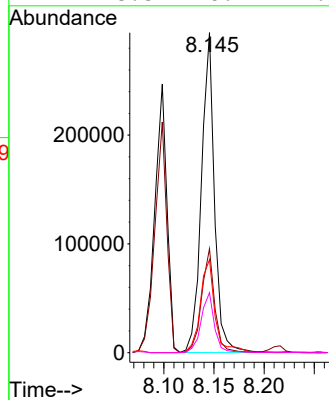
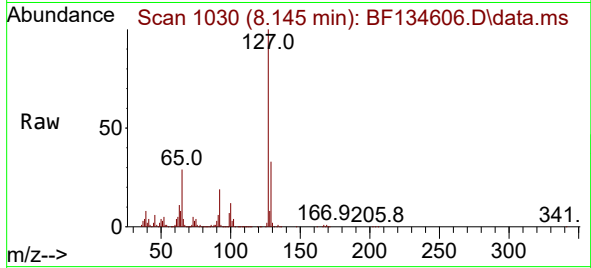




#33  
4-Chloroaniline  
Concen: 16.191 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

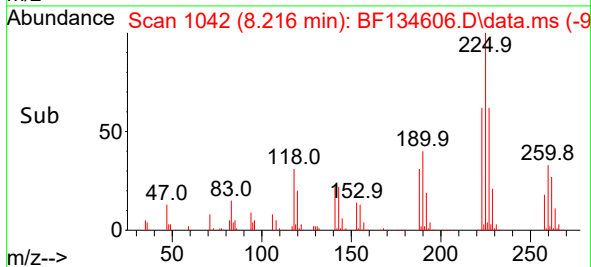
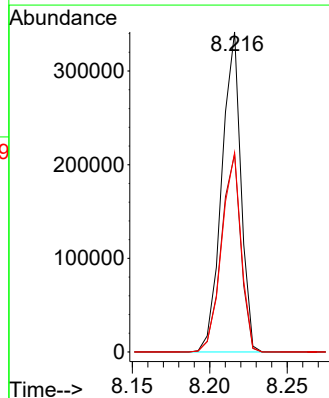
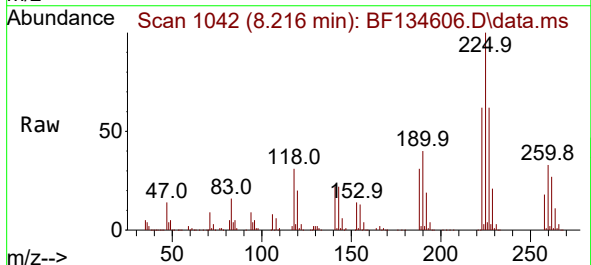
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

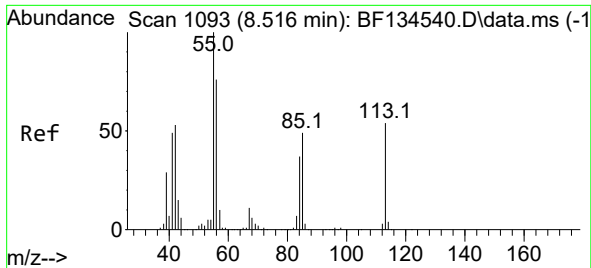
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 267060 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 25.6  | 38.4   |
| 65       | 29.1  | 25.4  | 38.0   |
| 92       | 18.8  | 16.2  | 24.4   |



#34  
Hexachlorobutadiene  
Concen: 45.665 ng  
RT: 8.216 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 292422 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.7  | 48.2  | 72.4   |
| 227      | 62.3  | 48.5  | 72.7   |

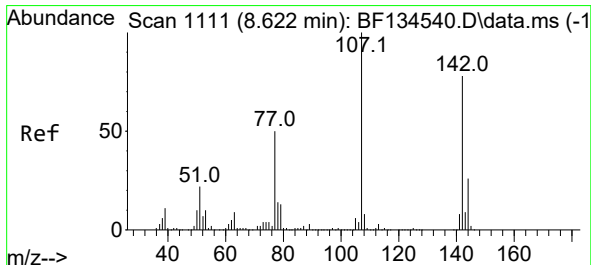
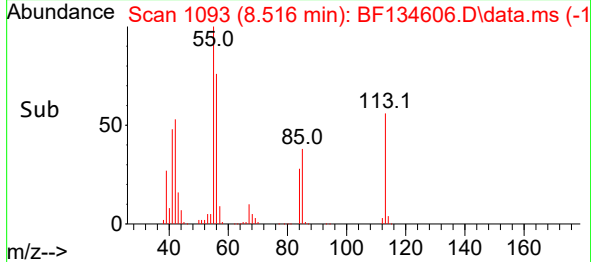
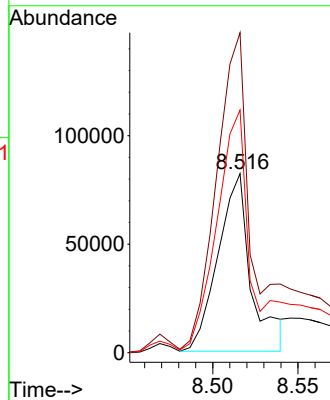
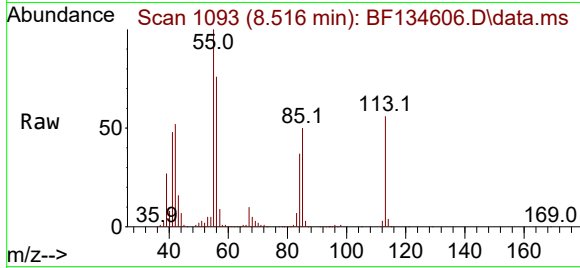




#35  
 Caprolactam  
 Concen: 32.967 ng  
 RT: 8.516 min Scan# 1093  
 Delta R.T. 0.000 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

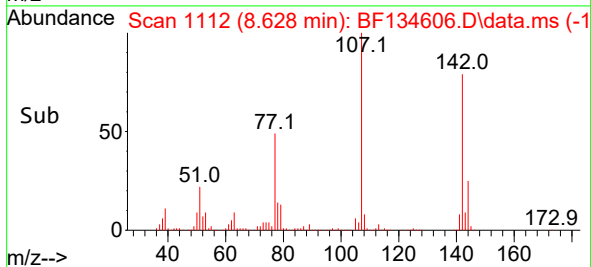
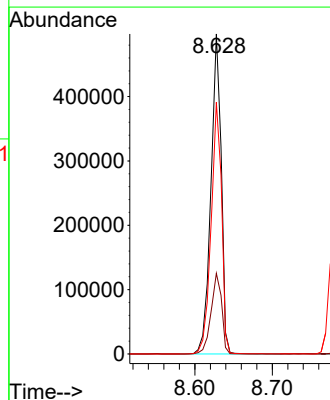
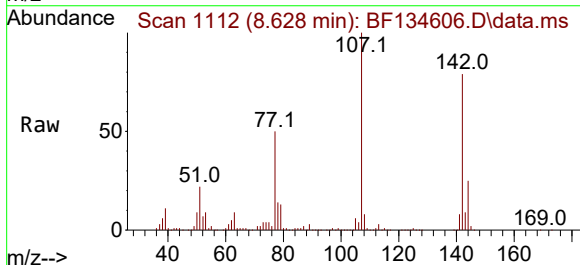
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-16-18-20230719MSD

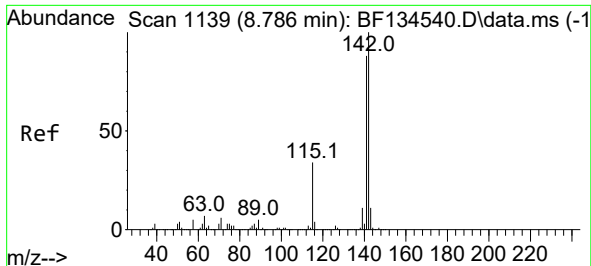
Tgt Ion:113 Resp: 110728  
 Ion Ratio Lower Upper  
 113 100  
 55 178.7 161.5 201.5  
 56 135.6 117.8 157.8



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.762 ng  
 RT: 8.628 min Scan# 1112  
 Delta R.T. 0.006 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

Tgt Ion:107 Resp: 460438  
 Ion Ratio Lower Upper  
 107 100  
 144 25.2 19.6 29.4  
 142 78.7 57.7 86.5

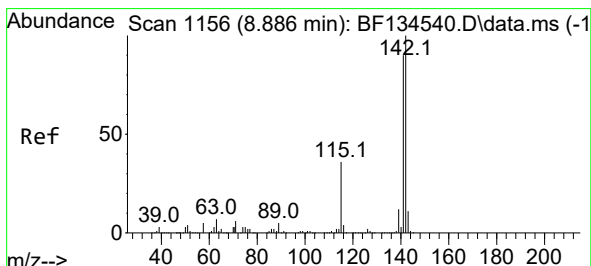
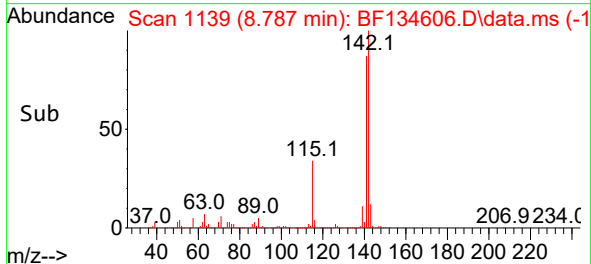
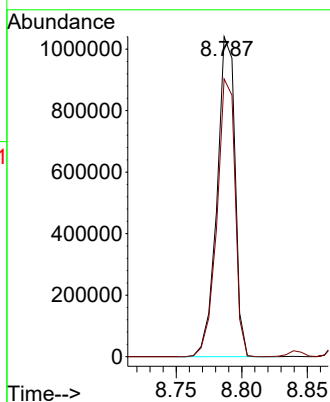
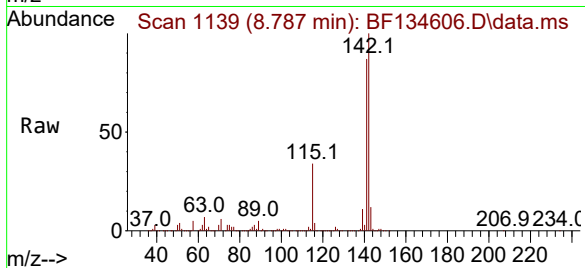




#37  
2-Methylnaphthalene  
Concen: 40.322 ng  
RT: 8.787 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

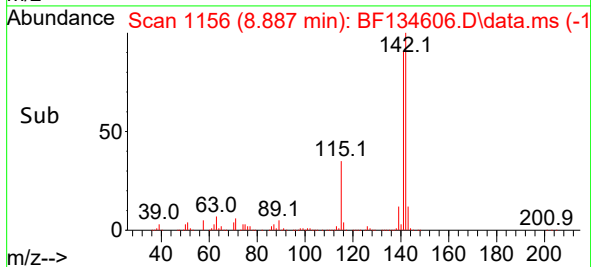
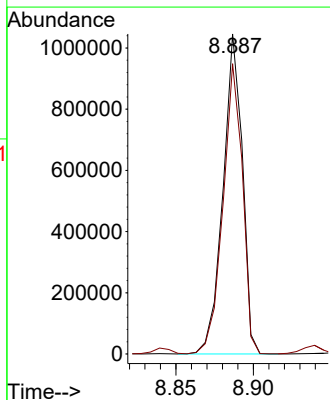
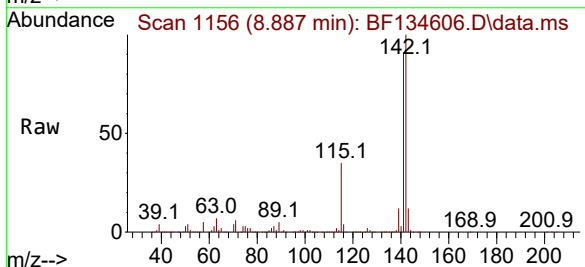
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

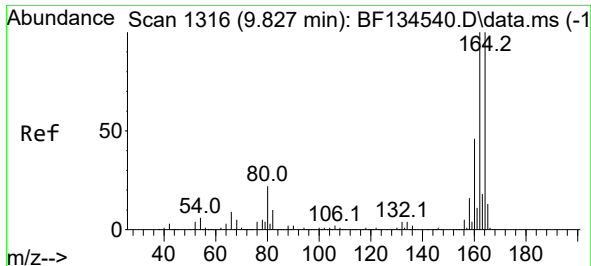
Tgt Ion:142 Resp: 989375  
Ion Ratio Lower Upper  
142 100  
141 86.8 70.8 106.2



#38  
1-Methylnaphthalene  
Concen: 39.834 ng  
RT: 8.887 min Scan# 1156  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:142 Resp: 908882  
Ion Ratio Lower Upper  
142 100  
141 90.7 71.4 107.2

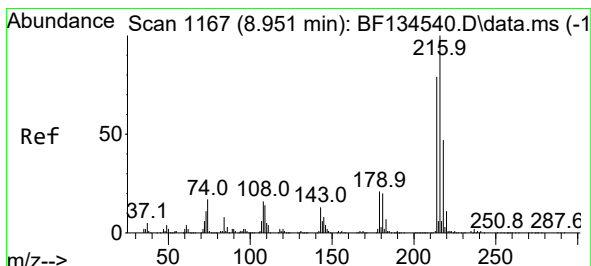
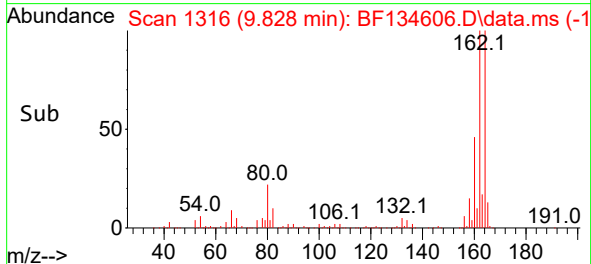
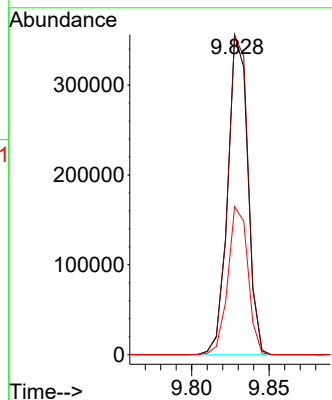
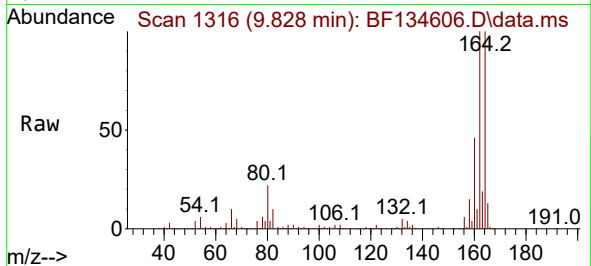




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.828 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

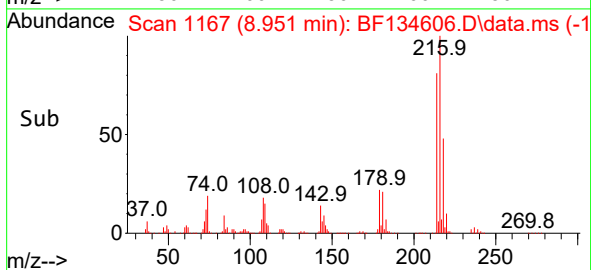
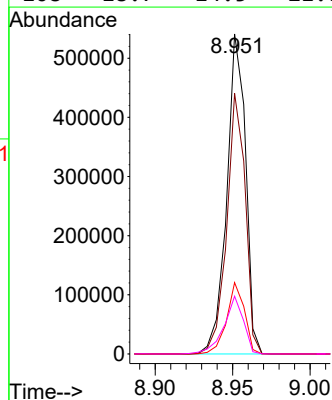
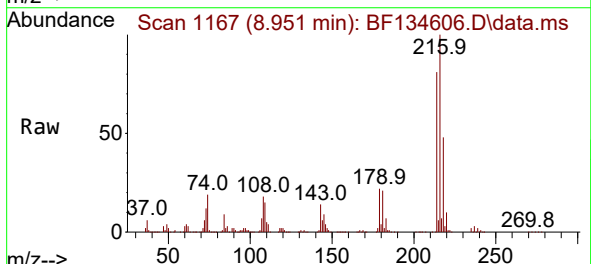
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

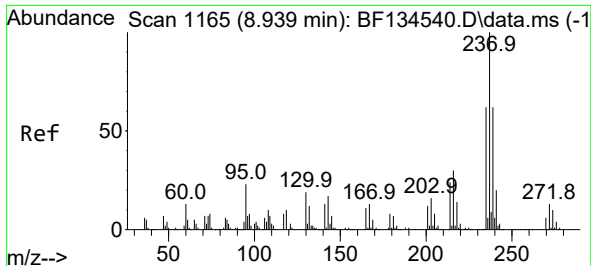
Tgt Ion:164 Resp: 318856  
Ion Ratio Lower Upper  
164 100  
162 99.7 82.6 123.8  
160 46.3 37.2 55.8



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 49.338 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:216 Resp: 457467  
Ion Ratio Lower Upper  
216 100  
214 79.6 62.3 93.5  
179 21.1 17.4 26.0  
108 18.7 14.5 21.7

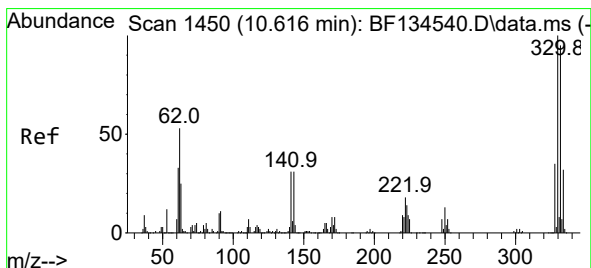
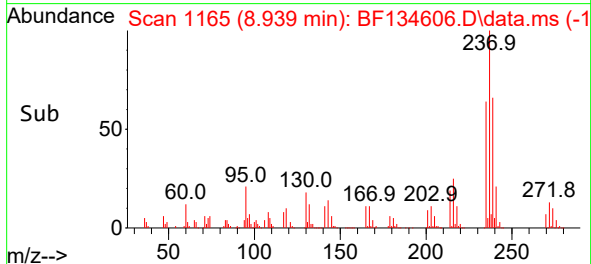
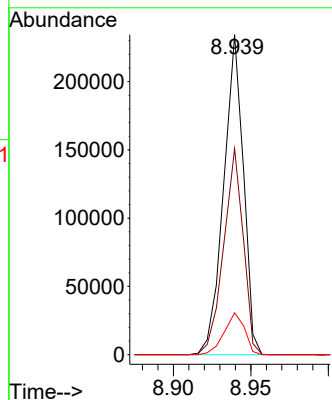
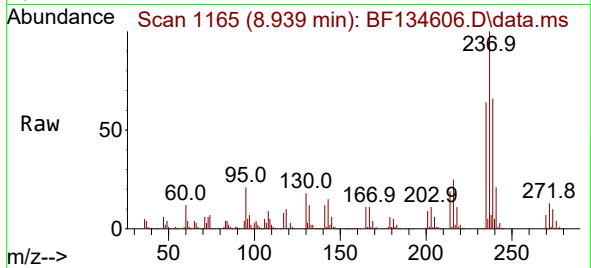




#41  
Hexachlorocyclopentadiene  
Concen: 46.089 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

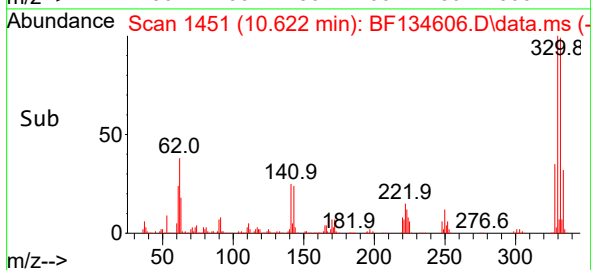
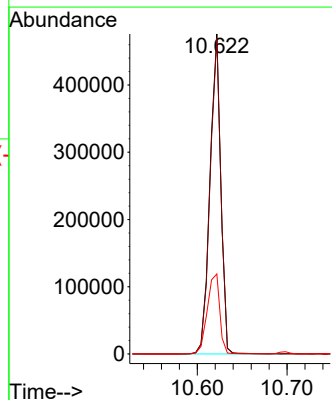
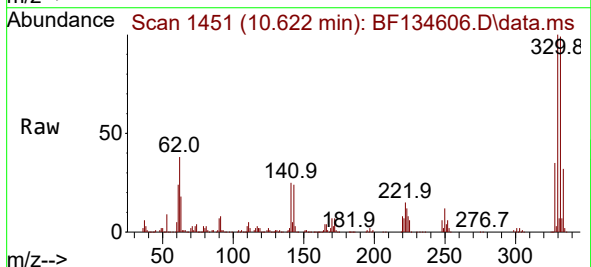
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BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

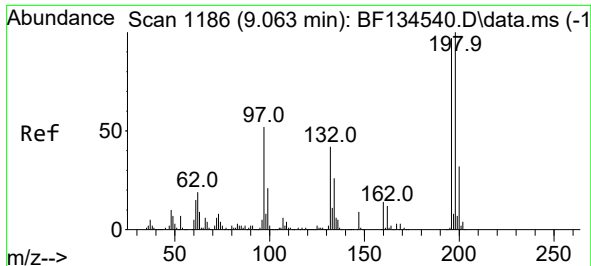
Tgt Ion:237 Resp: 207809  
Ion Ratio Lower Upper  
237 100  
235 64.4 37.0 77.0  
272 13.1 0.0 32.7



#42  
2,4,6-Tribromophenol  
Concen: 122.561 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:330 Resp: 398375  
Ion Ratio Lower Upper  
330 100  
332 98.4 78.8 118.2  
141 28.8 25.4 38.2





#43

2,4,6-Trichlorophenol

Concen: 49.069 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF134606.D

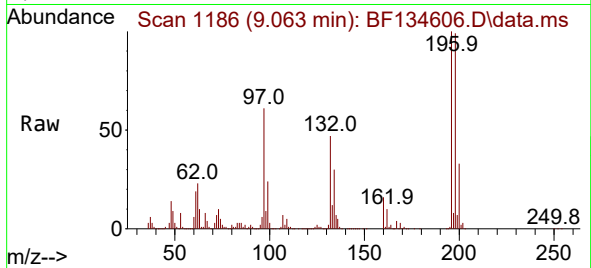
Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD



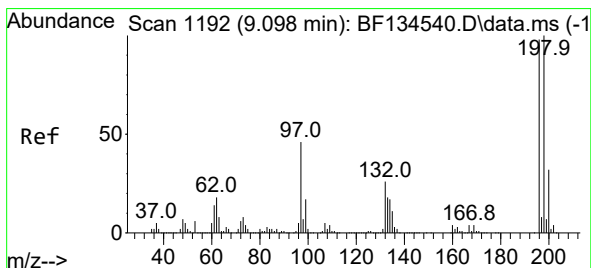
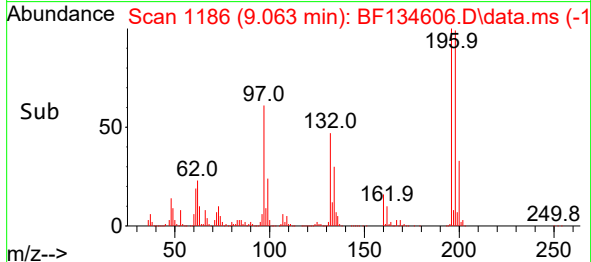
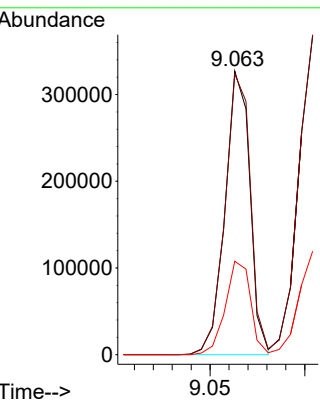
Tgt Ion:196 Resp: 297759

Ion Ratio Lower Upper

196 100

198 98.9 77.4 116.2

200 32.9 25.4 38.2



#44

2,4,5-Trichlorophenol

Concen: 43.996 ng

RT: 9.104 min Scan# 1193

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Tgt Ion:196 Resp: 305133

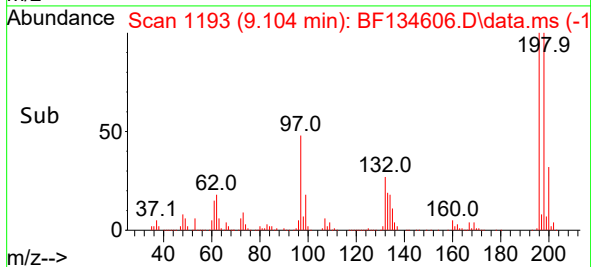
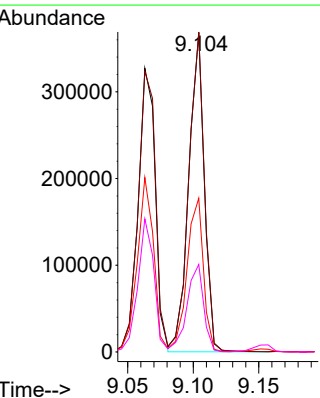
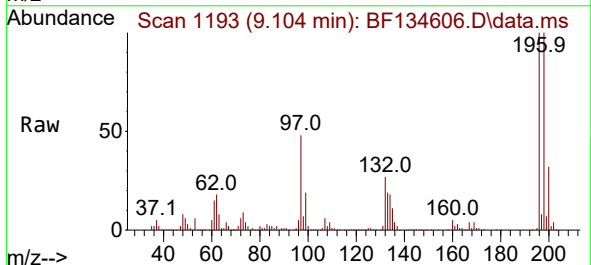
Ion Ratio Lower Upper

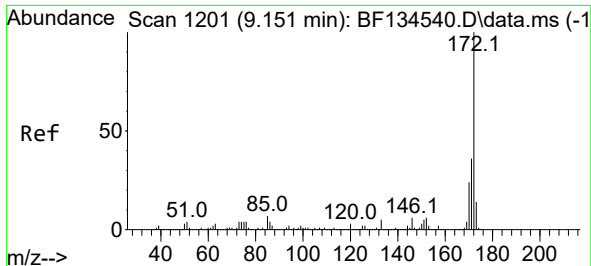
196 100

198 100.2 73.0 109.4

97 48.2 40.8 61.2

132 27.4 23.3 34.9

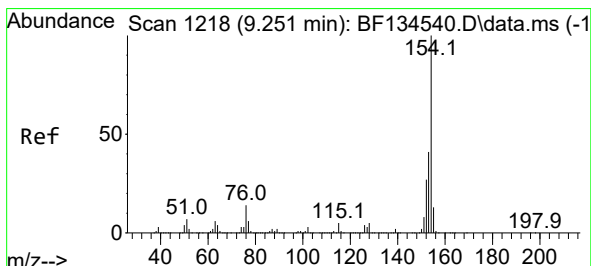
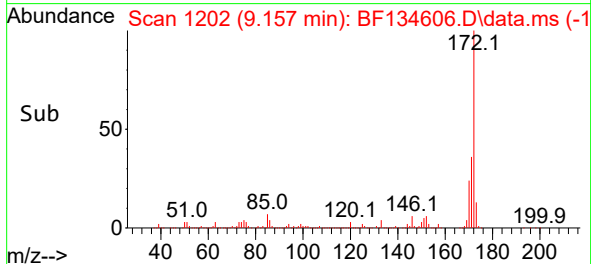
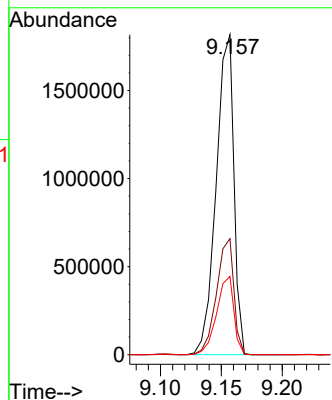
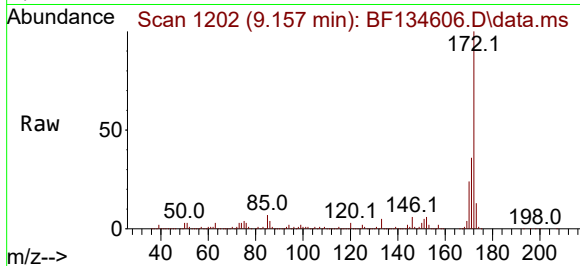




#45  
2-Fluorobiphenyl  
Concen: 96.113 ng  
RT: 9.157 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

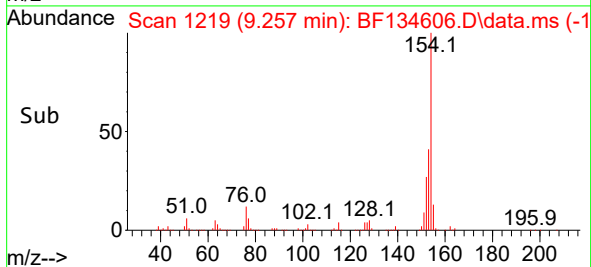
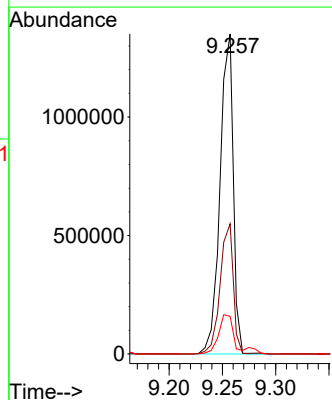
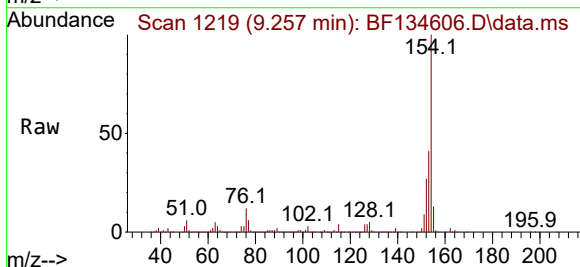
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

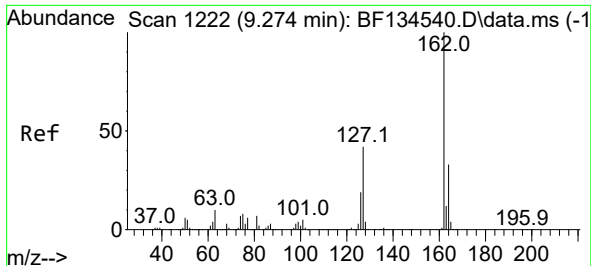
Tgt Ion:172 Resp: 1843163  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.8 43.2  
170 24.4 18.7 28.1



#46  
1,1'-Biphenyl  
Concen: 46.705 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:154 Resp: 1158068  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.8 60.8  
76 11.7 0.0 30.2





#47

2-Chloronaphthalene

Concen: 40.865 ng

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

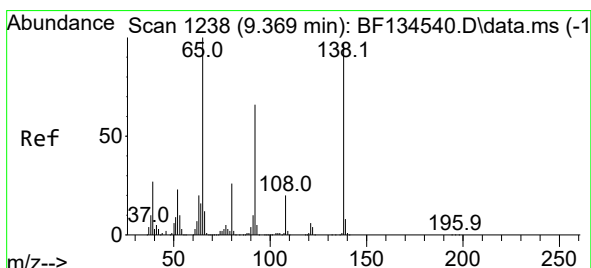
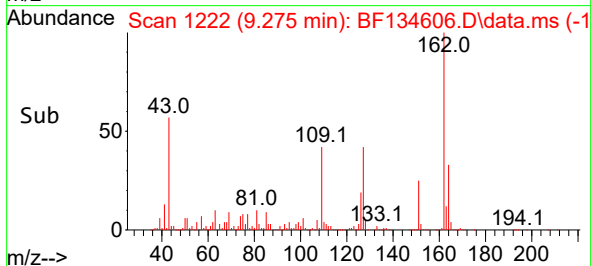
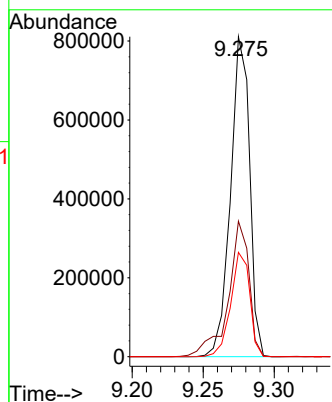
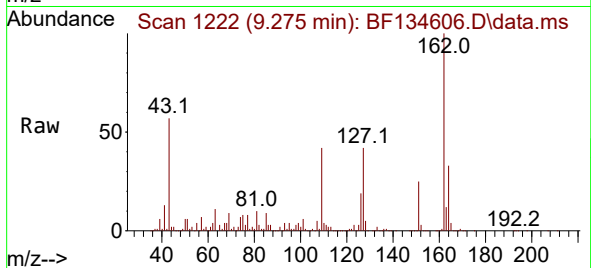
Tgt Ion:162 Resp: 759228

Ion Ratio Lower Upper

162 100

127 42.3 34.0 51.0

164 32.6 25.7 38.5



#48

2-Nitroaniline

Concen: 47.505 ng

RT: 9.375 min Scan# 1239

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

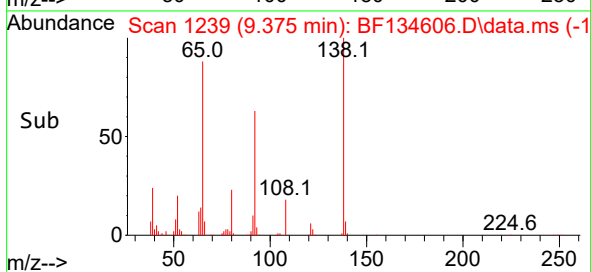
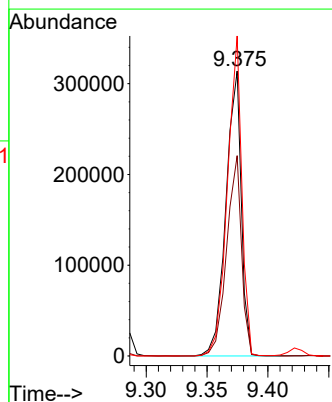
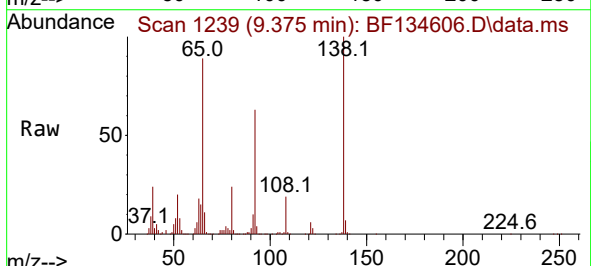
Tgt Ion: 65 Resp: 274959

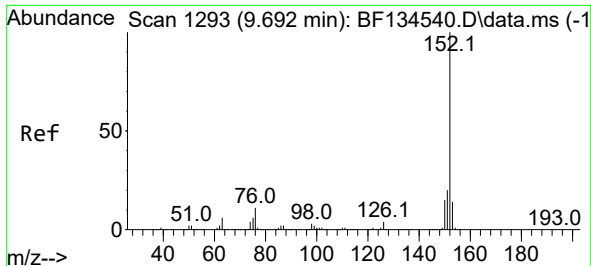
Ion Ratio Lower Upper

65 100

92 70.3 50.7 76.1

138 112.3 78.2 117.4

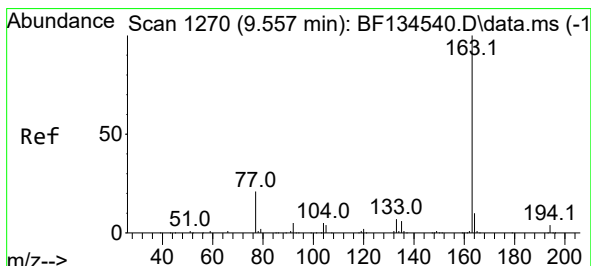
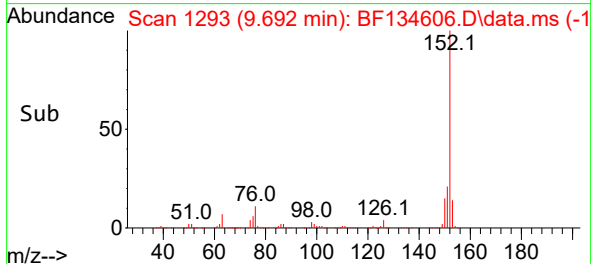
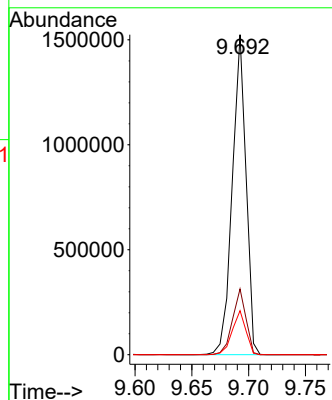
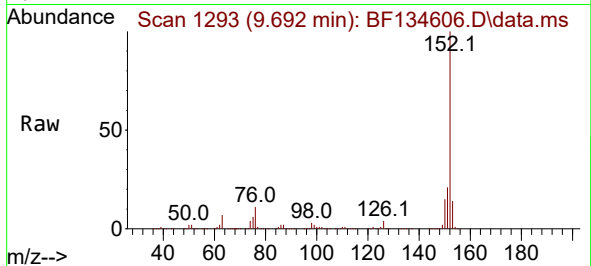




#49  
Acenaphthylene  
Concen: 43.804 ng  
RT: 9.692 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

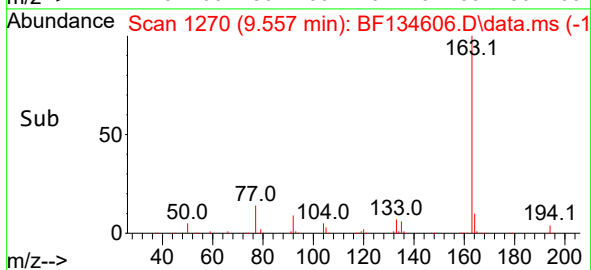
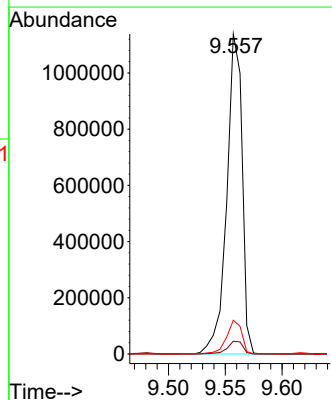
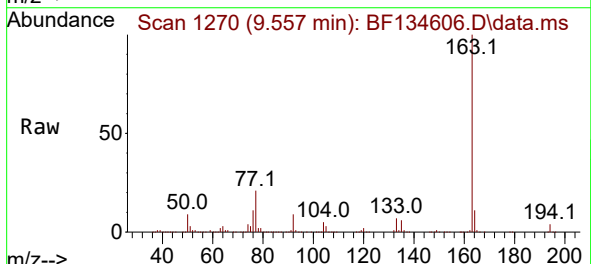
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

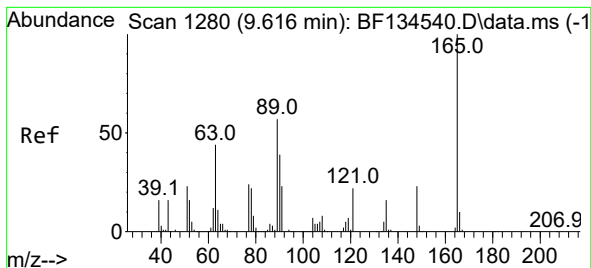
Tgt Ion:152 Resp: 1279268  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.4 24.6  
153 13.7 10.9 16.3



#50  
Dimethylphthalate  
Concen: 49.311 ng  
RT: 9.557 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:163 Resp: 1071635  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.6 7.5 11.3

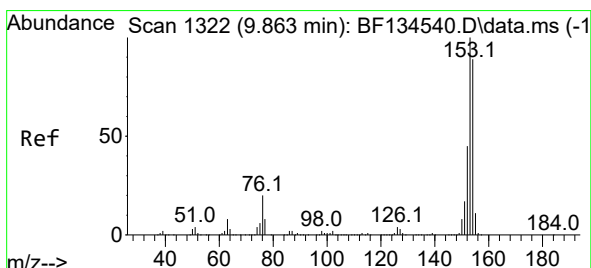
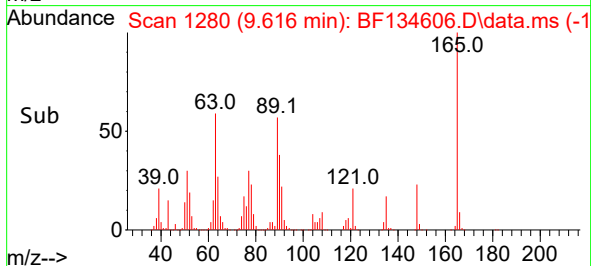
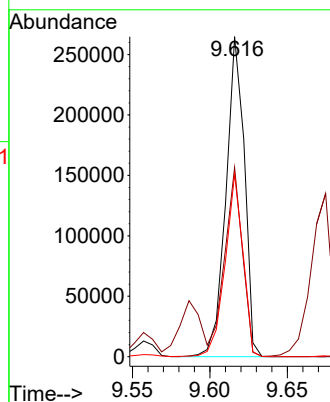
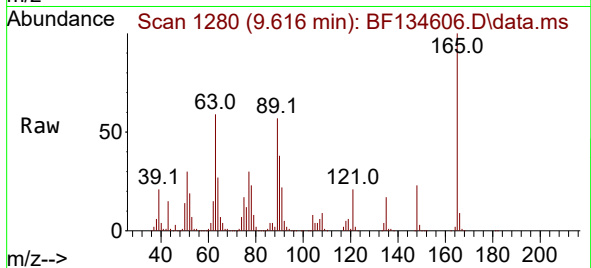




#51  
2,6-Dinitrotoluene  
Concen: 49.190 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

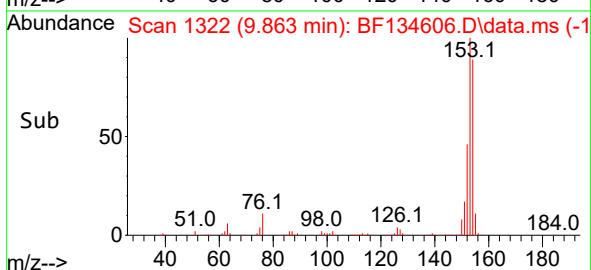
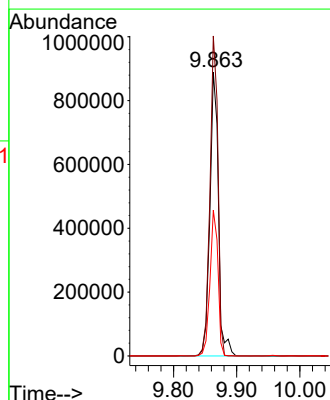
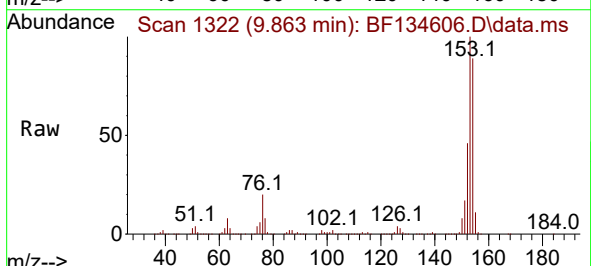
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

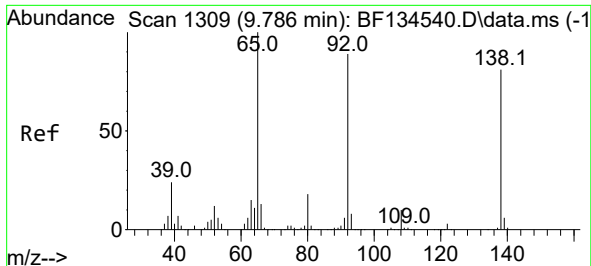
Tgt Ion:165 Resp: 219320  
Ion Ratio Lower Upper  
165 100  
63 59.1 57.8 86.6  
89 57.1 51.8 77.8



#52  
Acenaphthene  
Concen: 43.918 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:154 Resp: 831187  
Ion Ratio Lower Upper  
154 100  
153 112.8 90.0 135.0  
152 51.4 42.4 63.6

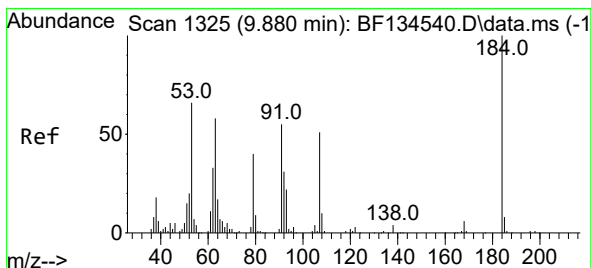
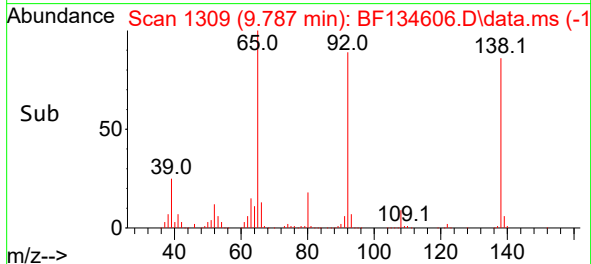
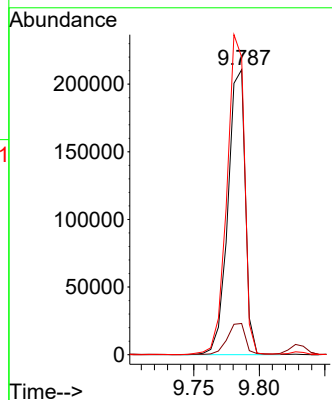
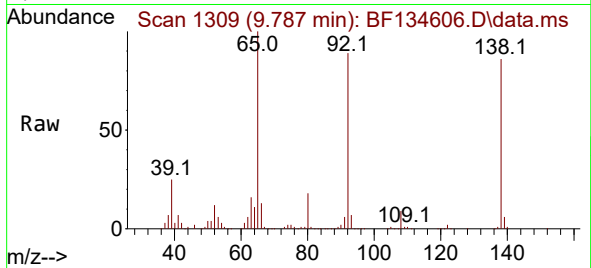




#53  
3-Nitroaniline  
Concen: 40.011 ng  
RT: 9.787 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

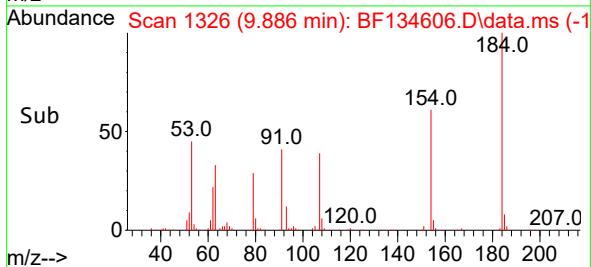
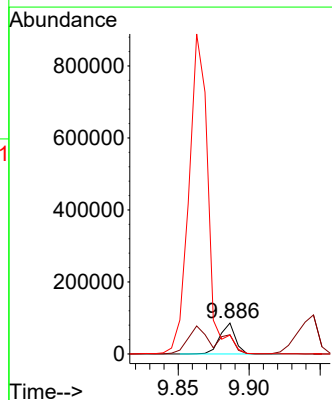
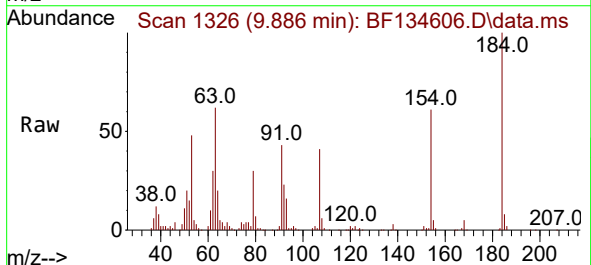
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ClientSampleId :  
SB-21-16-18-20230719MSD

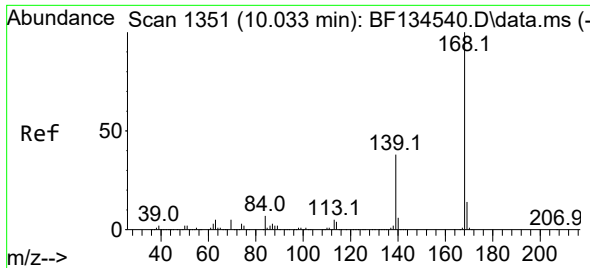
Tgt Ion:138 Resp: 193808  
Ion Ratio Lower Upper  
138 100  
108 10.9 9.3 13.9  
92 104.5 86.6 129.8



#54  
2,4-Dinitrophenol  
Concen: 46.254 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:184 Resp: 65098  
Ion Ratio Lower Upper  
184 100  
63 62.1 57.1 85.7  
154 61.0 59.1 88.7

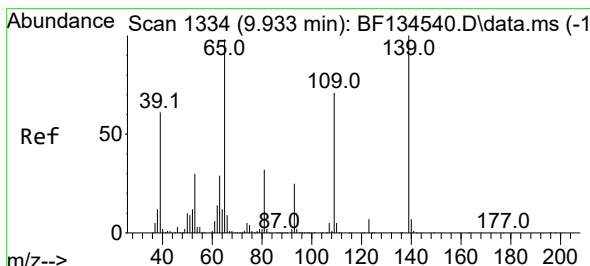
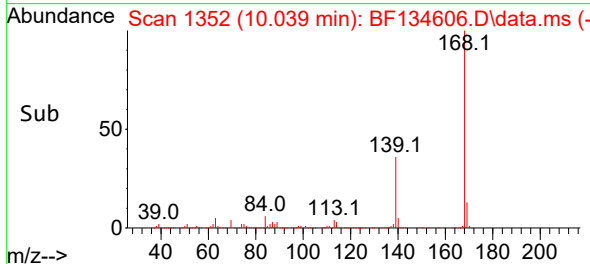
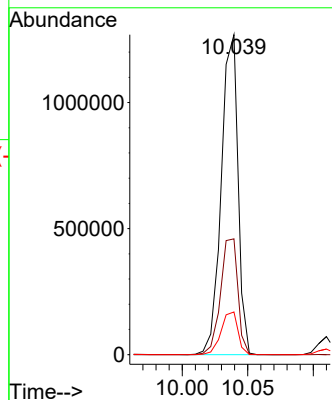
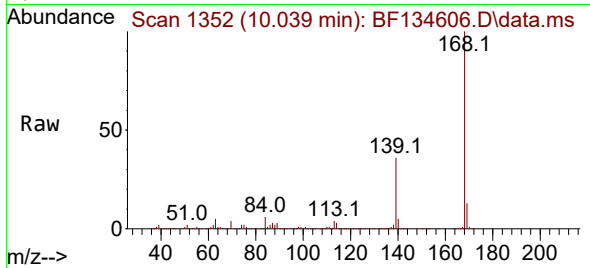




#55  
Dibenzenofuran  
Concen: 41.739 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

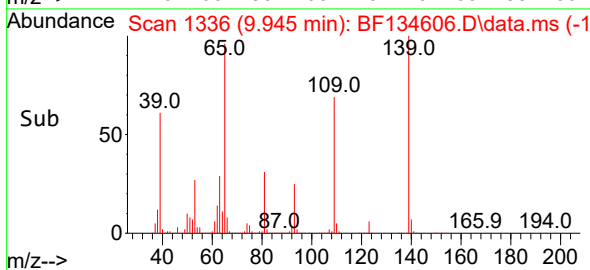
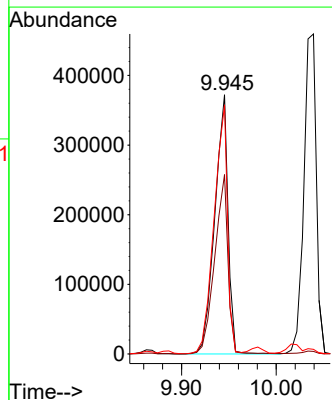
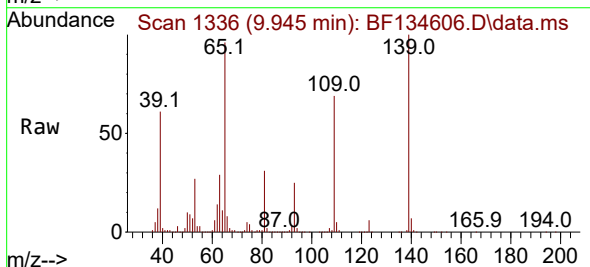
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BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

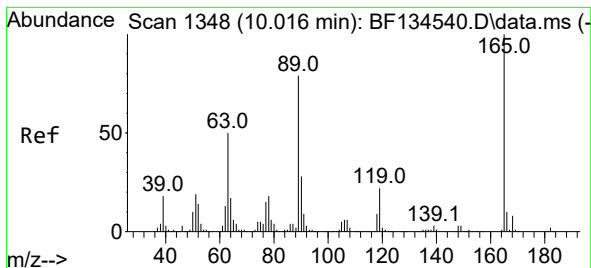
Tgt Ion:168 Resp: 1124515  
Ion Ratio Lower Upper  
168 100  
139 36.2 33.4 50.2  
169 13.3 10.6 15.8



#56  
4-Nitrophenol  
Concen: 91.808 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.012 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:139 Resp: 363716  
Ion Ratio Lower Upper  
139 100  
109 69.2 76.9 116.9#  
65 96.1 98.5 138.5#

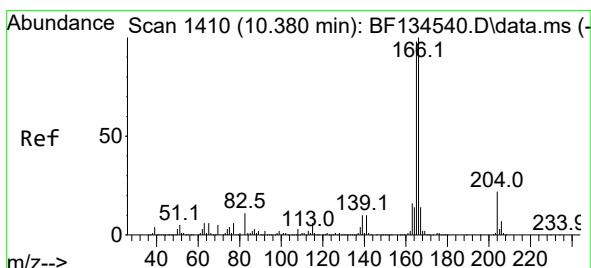
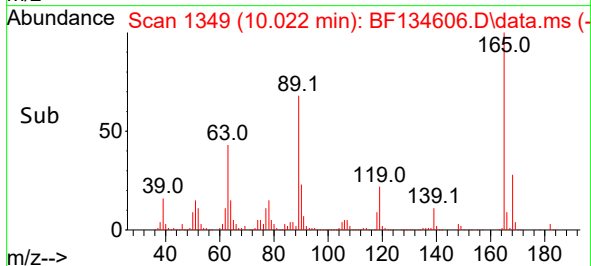
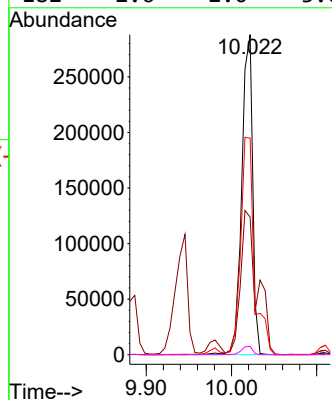
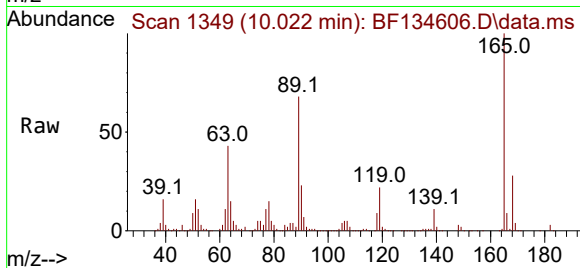




#57  
2,4-Dinitrotoluene  
Concen: 47.440 ng  
RT: 10.022 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

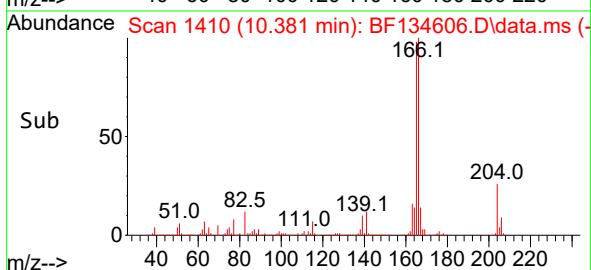
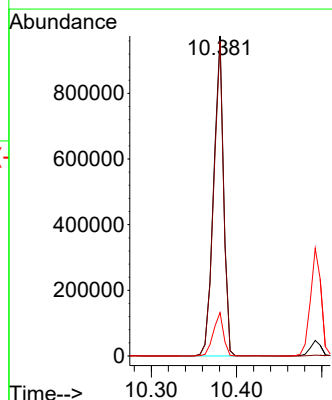
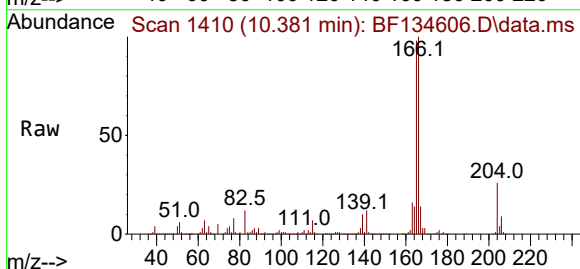
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

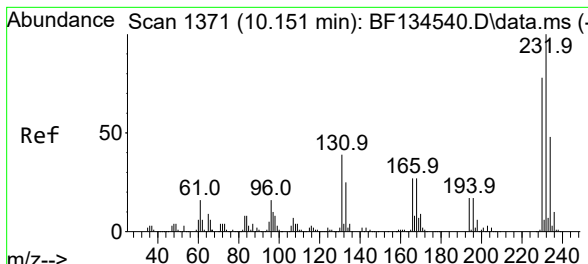
Tgt Ion:165 Resp: 254953  
Ion Ratio Lower Upper  
165 100  
63 43.0 48.9 73.3#  
89 67.7 61.7 92.5  
182 2.6 2.0 3.0



#58  
Fluorene  
Concen: 40.444 ng  
RT: 10.381 min Scan# 1410  
Delta R.T. 0.001 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:166 Resp: 793669  
Ion Ratio Lower Upper  
166 100  
165 98.4 74.5 111.7  
167 13.5 10.6 16.0



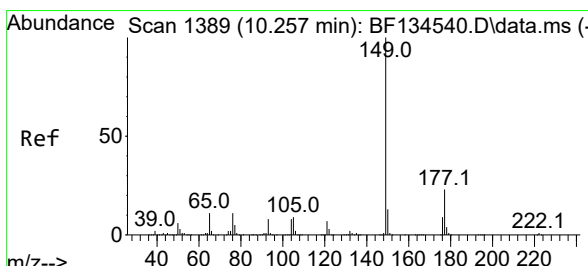
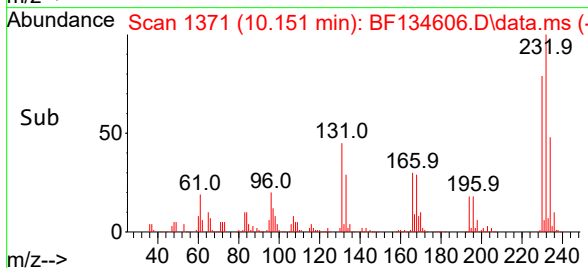
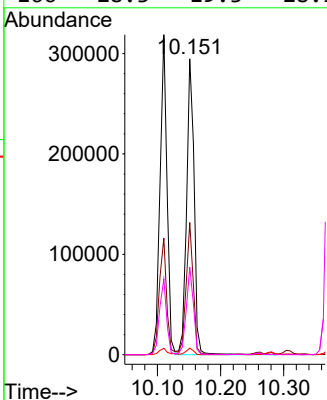
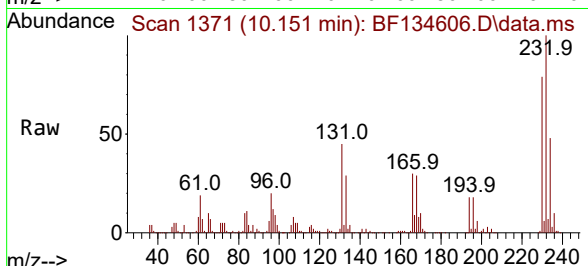


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.733 ng  
RT: 10.151 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

Tgt Ion:232 Resp: 245443

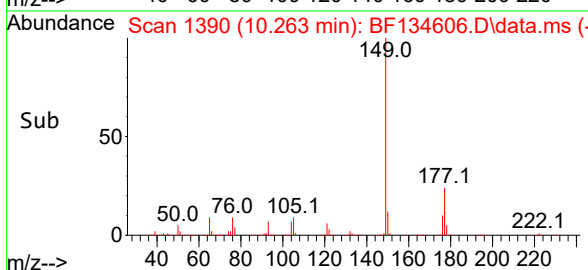
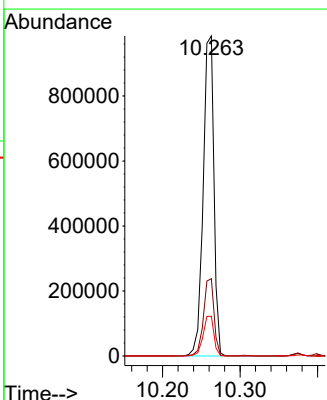
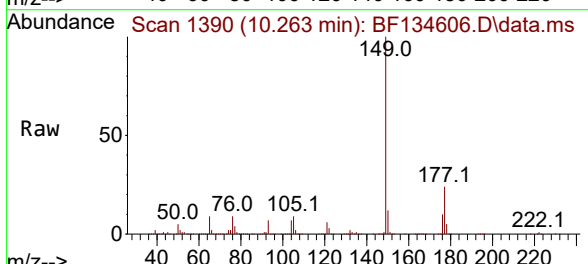
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 41.8  | 33.4  | 50.0  |
| 130 | 2.1   | 1.8   | 2.6   |
| 166 | 28.3  | 19.3  | 28.9  |

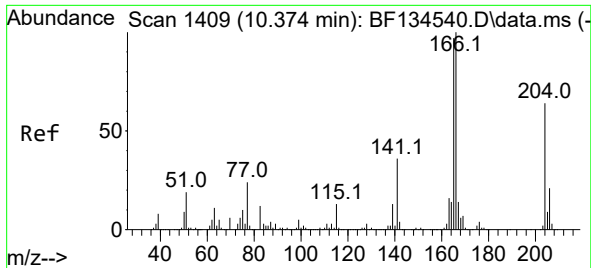


#60  
Diethylphthalate  
Concen: 45.917 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:149 Resp: 945852

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 24.1  | 17.0  | 25.4  |
| 150 | 12.4  | 9.9   | 14.9  |

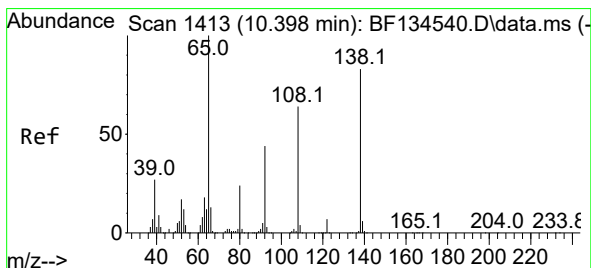
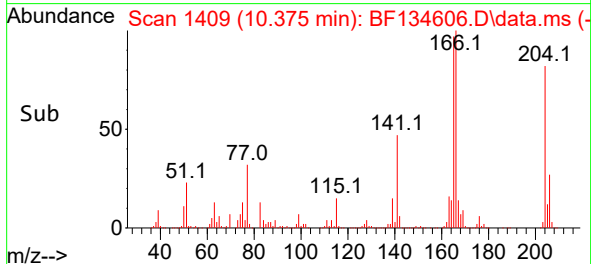
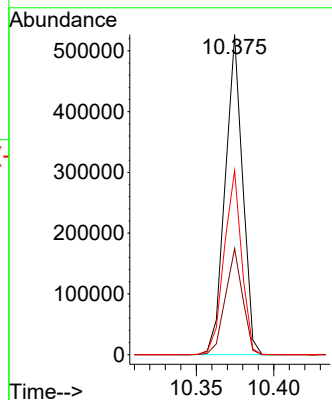
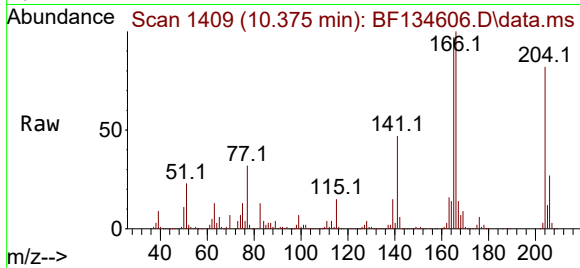




#61  
4-Chlorophenyl-phenylether  
Concen: 42.672 ng  
RT: 10.375 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

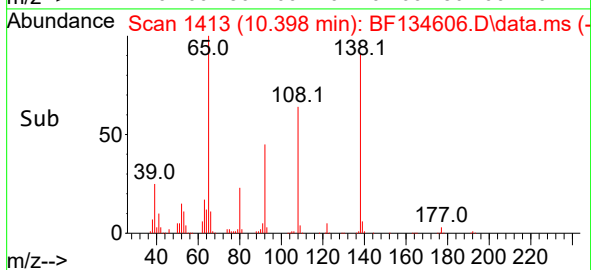
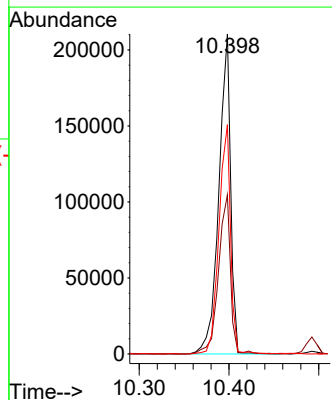
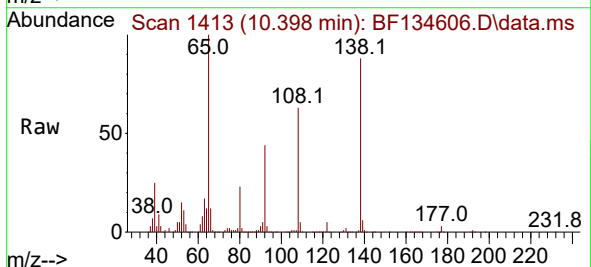
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

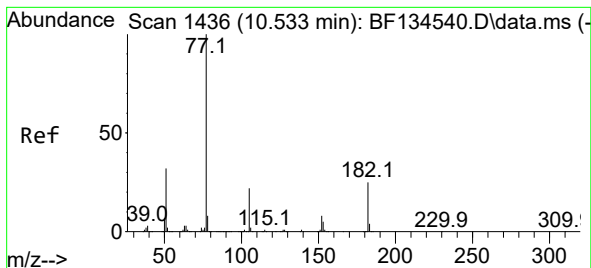
Tgt Ion:204 Resp: 411606  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.0 39.0  
141 57.5 52.2 78.4



#62  
4-Nitroaniline  
Concen: 40.479 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:138 Resp: 192186  
Ion Ratio Lower Upper  
138 100  
92 49.7 27.0 67.0  
108 71.6 70.4 110.4

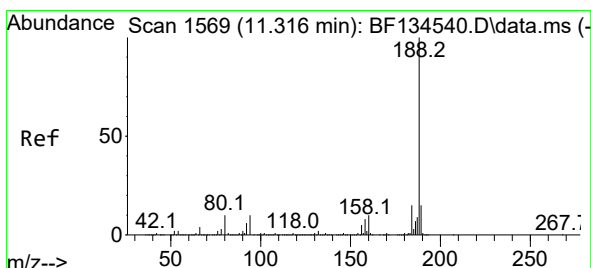
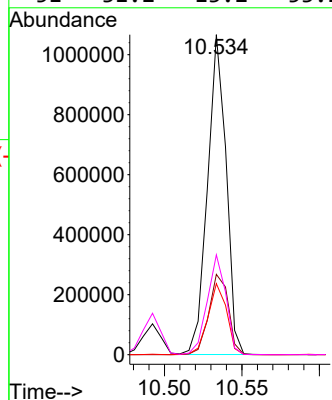
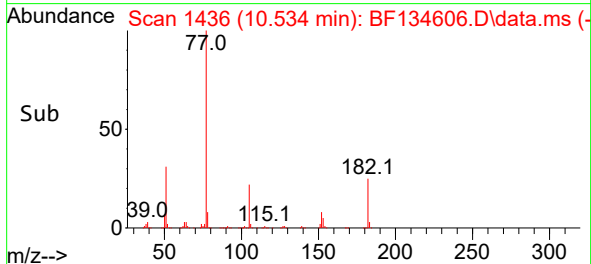
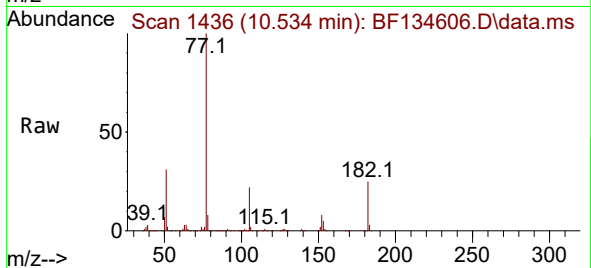




#63  
Azobenzene  
Concen: 40.113 ng  
RT: 10.534 min Scan# 1436  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

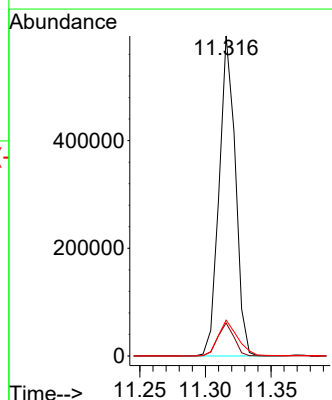
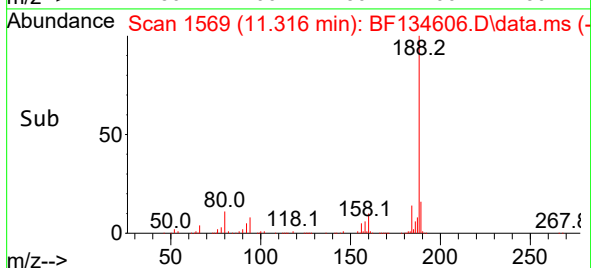
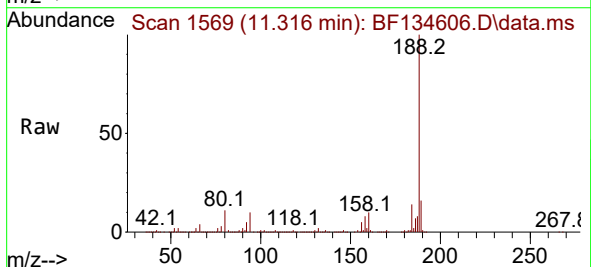
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

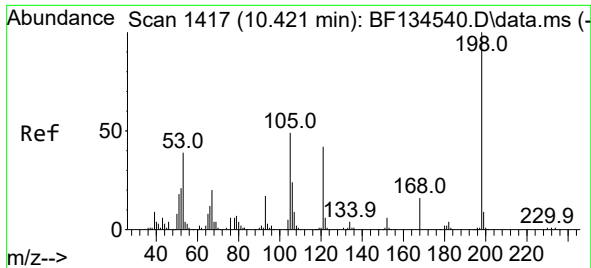
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 887784 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 25.1    | 7.5 47.5     |
| 105 22.2    | 1.9 41.9     |
| 51 31.2     | 13.2 53.2    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 510193 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 10.3     | 5.1 7.7#     |
| 80 11.2     | 6.6 9.8#     |

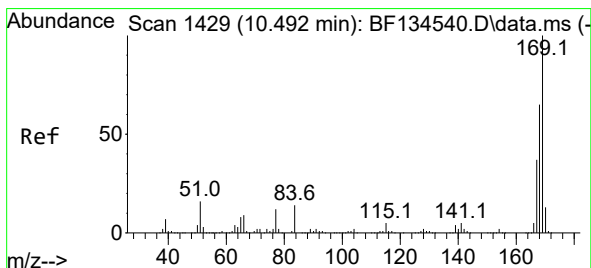
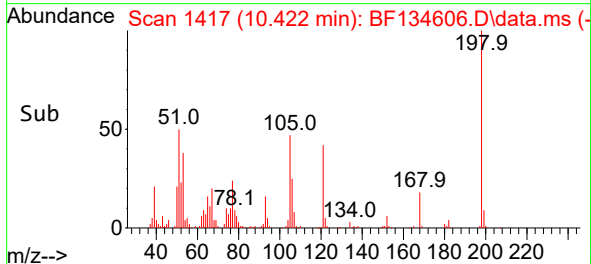
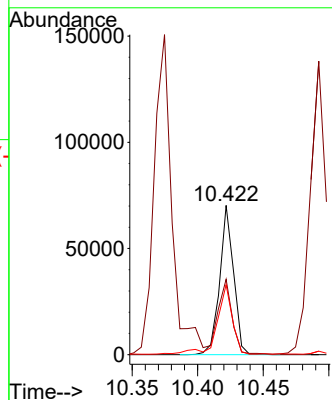
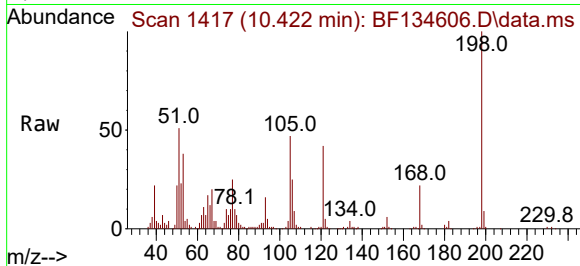




#65  
4,6-Dinitro-2-methylphenol  
Concen: 29.174 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.001 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

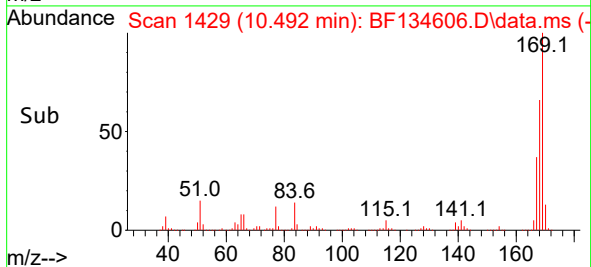
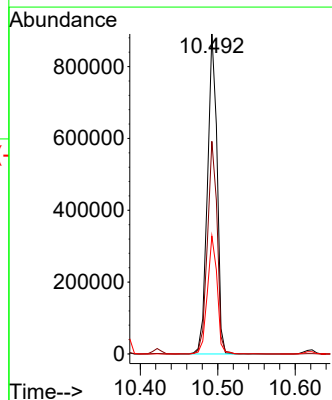
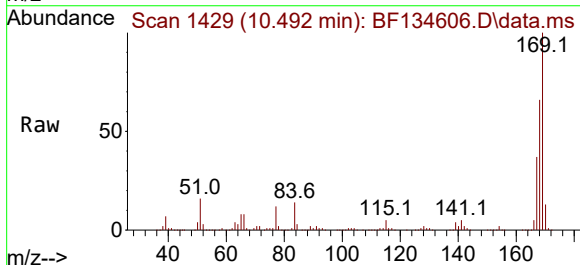
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

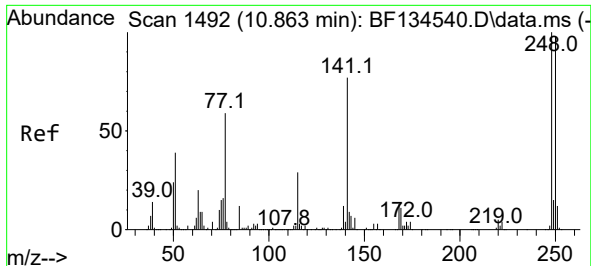
Tgt Ion:198 Resp: 51568  
Ion Ratio Lower Upper  
198 100  
51 50.5 38.6 78.6  
105 46.8 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 47.186 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:169 Resp: 766252  
Ion Ratio Lower Upper  
169 100  
168 66.5 52.6 78.8  
167 36.8 29.8 44.8

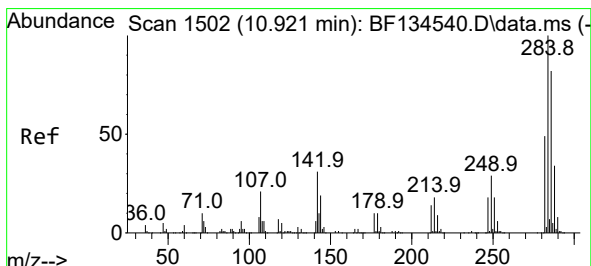
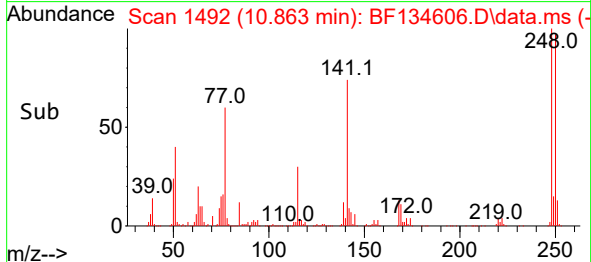
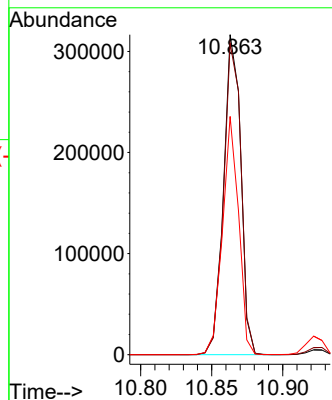
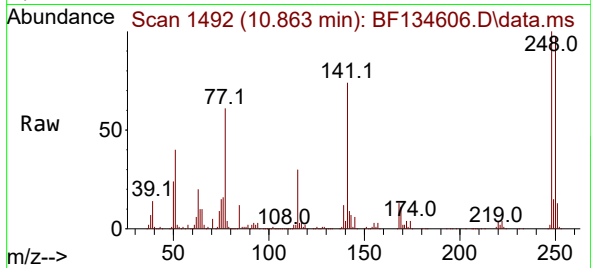




#67  
4-Bromophenyl-phenylether  
Concen: 47.645 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

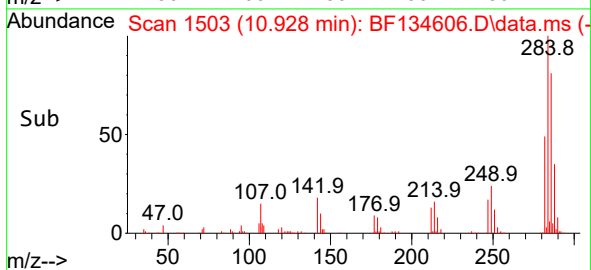
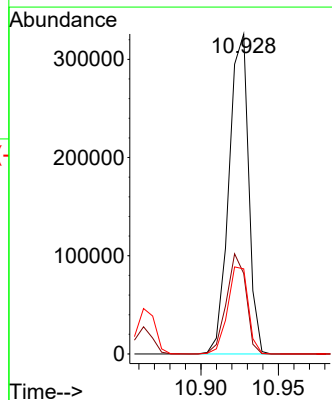
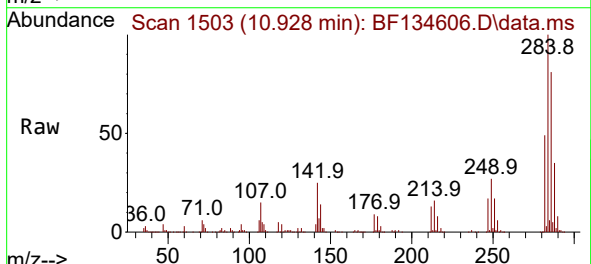
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

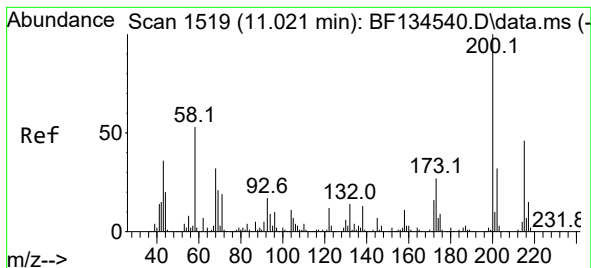
Tgt Ion:248 Resp: 266096  
Ion Ratio Lower Upper  
248 100  
250 97.3 79.6 119.4  
141 74.5 59.6 89.4



#68  
Hexachlorobenzene  
Concen: 48.660 ng  
RT: 10.928 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:284 Resp: 286979  
Ion Ratio Lower Upper  
284 100  
142 25.1 26.5 39.7#  
249 26.6 23.8 35.8





#69

Atrazine

Concen: 58.806 ng

RT: 11.028 min Scan# 1519

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

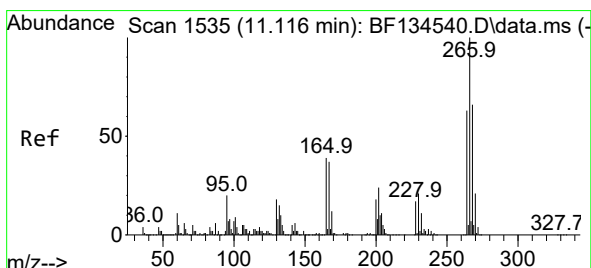
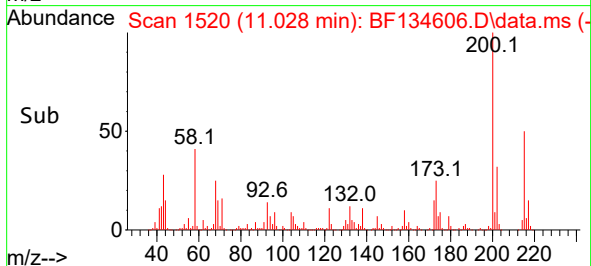
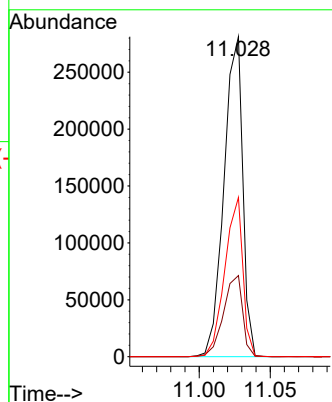
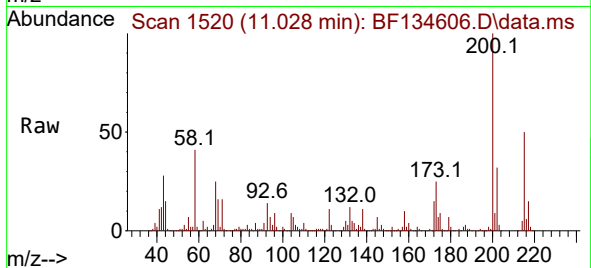
Tgt Ion:200 Resp: 257392

Ion Ratio Lower Upper

200 100

173 25.4 6.1 46.1

215 49.7 29.7 69.7



#70

Pentachlorophenol

Concen: 87.417 ng

RT: 11.122 min Scan# 1536

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

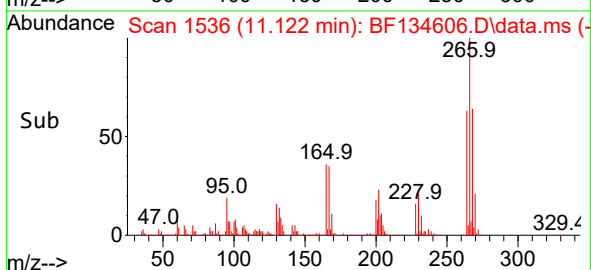
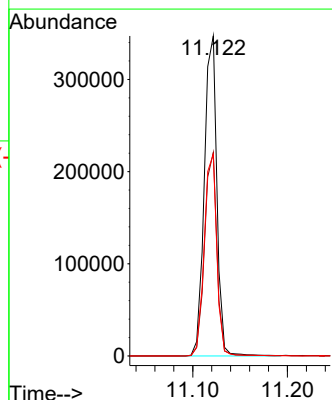
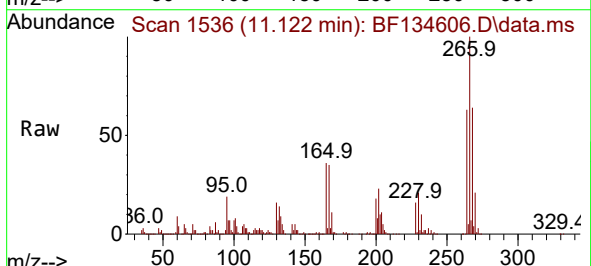
Tgt Ion:266 Resp: 319216

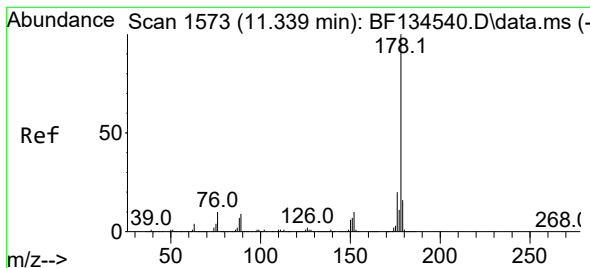
Ion Ratio Lower Upper

266 100

268 63.6 52.9 79.3

264 63.1 47.8 71.6





#71

Phenanthrene

Concen: 44.425 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

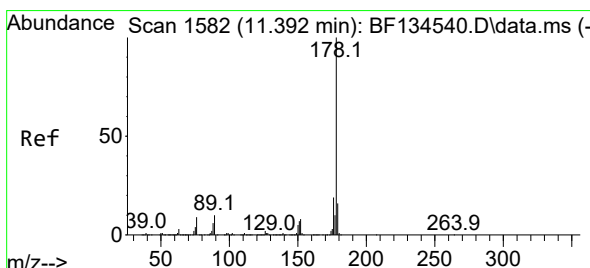
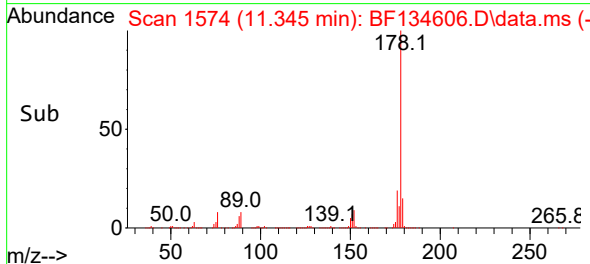
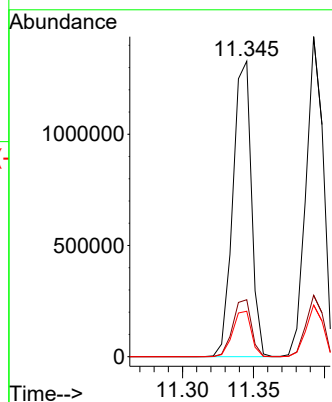
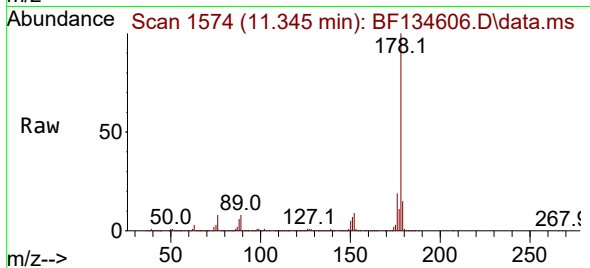
Tgt Ion:178 Resp: 1203896

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.4 12.7 19.1



#72

Anthracene

Concen: 43.976 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

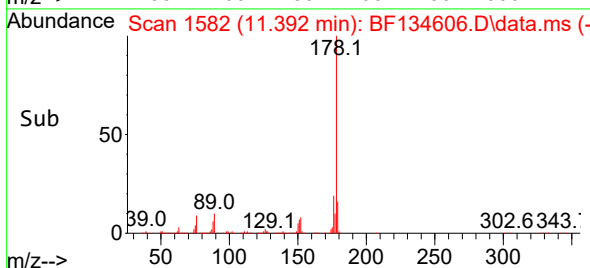
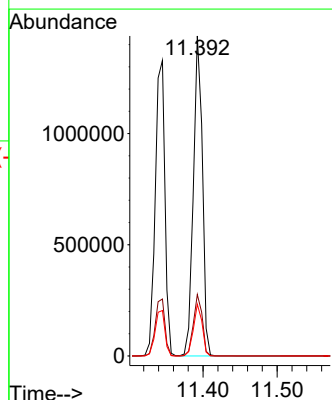
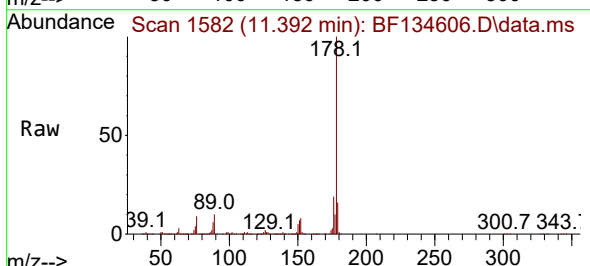
Tgt Ion:178 Resp: 1217282

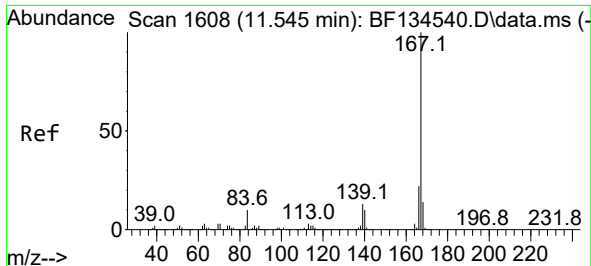
Ion Ratio Lower Upper

178 100

176 19.2 14.6 21.8

179 16.2 12.3 18.5

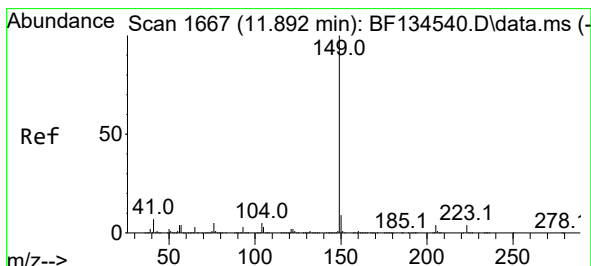
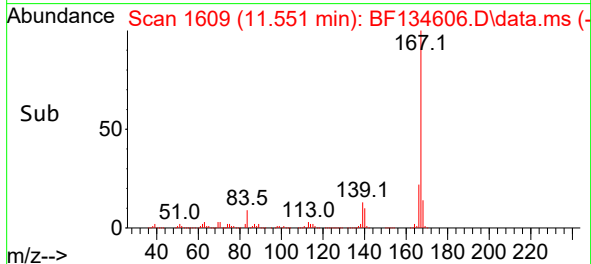
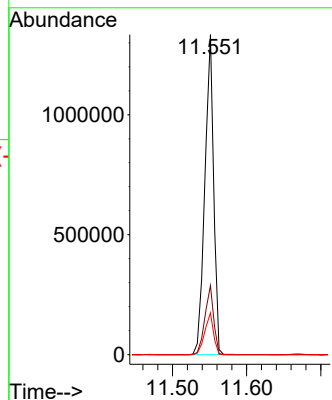
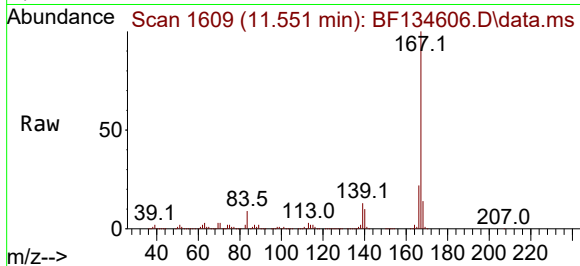




#73  
 Carbazole  
 Concen: 44.597 ng  
 RT: 11.551 min Scan# 1609  
 Delta R.T. 0.006 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

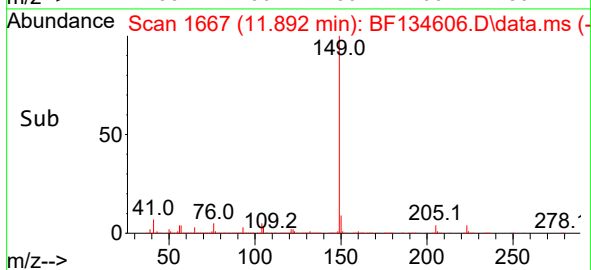
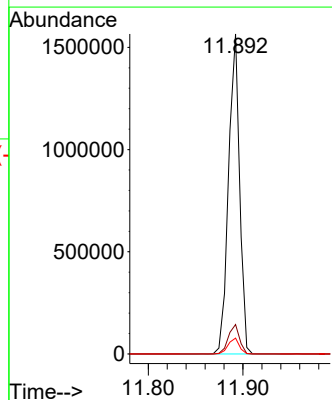
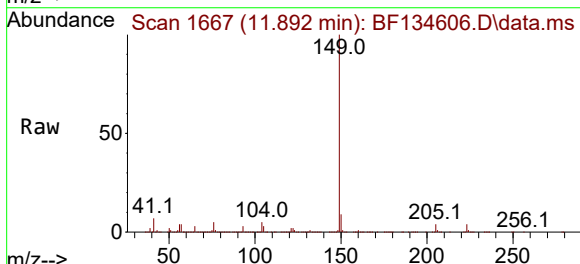
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-16-18-20230719MSD

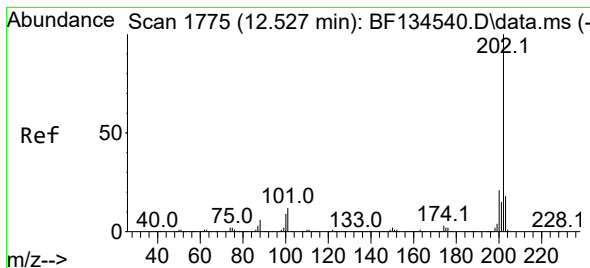
Tgt Ion:167 Resp: 1102227  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.5 26.3  
 139 13.0 11.0 16.4



#74  
 Di-n-butylphthalate  
 Concen: 48.336 ng  
 RT: 11.892 min Scan# 1667  
 Delta R.T. 0.000 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

Tgt Ion:149 Resp: 1269171  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.2 10.8  
 104 5.0 3.8 5.8





#75

Fluoranthene

Concen: 43.443 ng

RT: 12.533 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

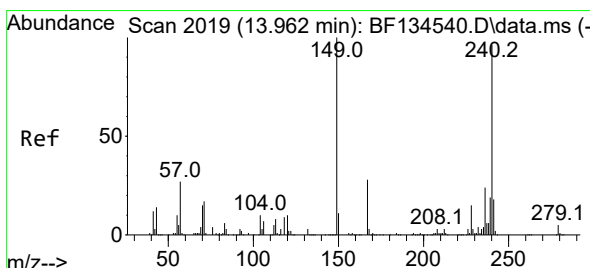
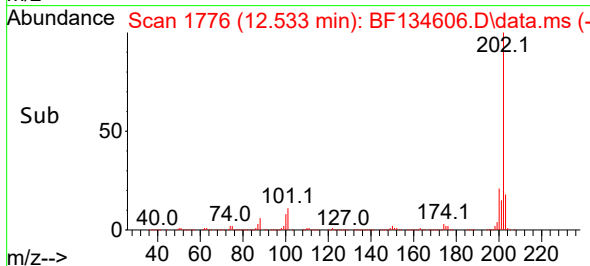
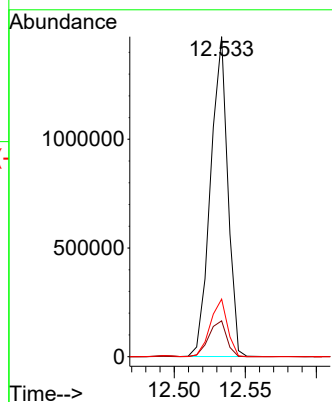
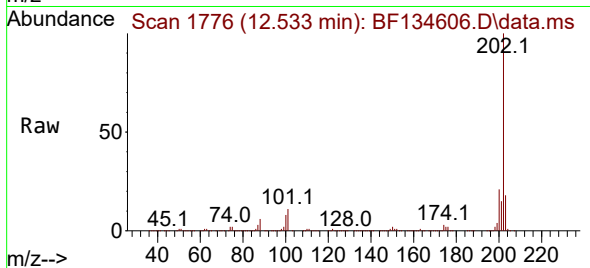
Tgt Ion:202 Resp: 1243577

Ion Ratio Lower Upper

202 100

101 11.2 0.0 28.5

203 18.0 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

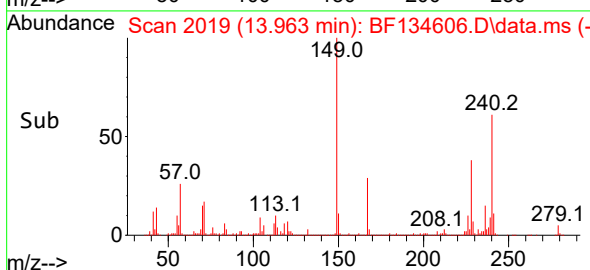
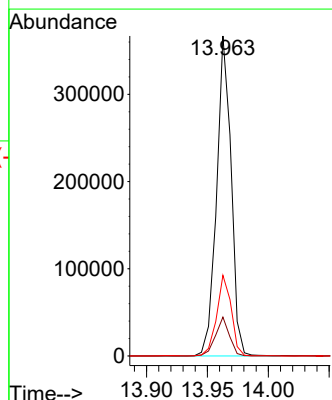
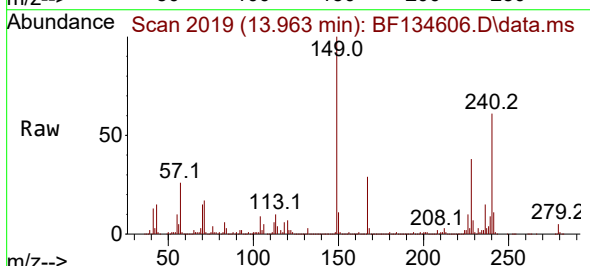
Tgt Ion:240 Resp: 305137

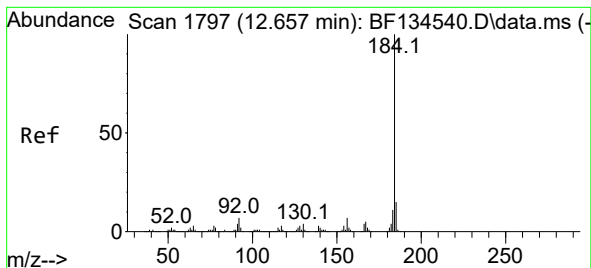
Ion Ratio Lower Upper

240 100

120 12.2 6.6 10.0#

236 25.2 20.2 30.2





#77

Benzidine

Concen: 93.569 ng

RT: 12.663 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

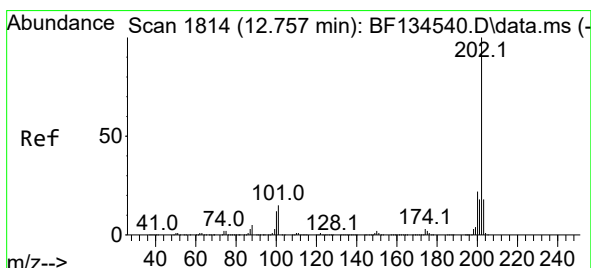
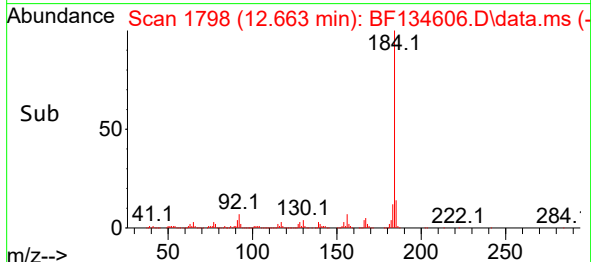
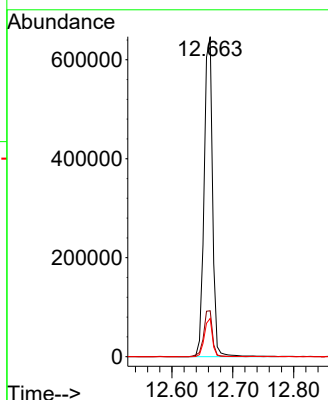
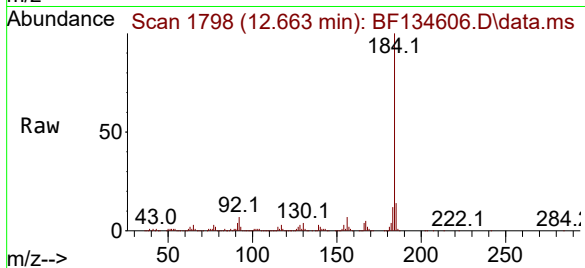
Tgt Ion:184 Resp: 619792

Ion Ratio Lower Upper

184 100

185 14.3 11.2 16.8

183 11.9 8.6 13.0



#78

Pyrene

Concen: 48.451 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

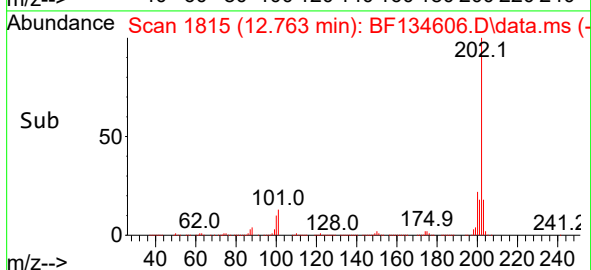
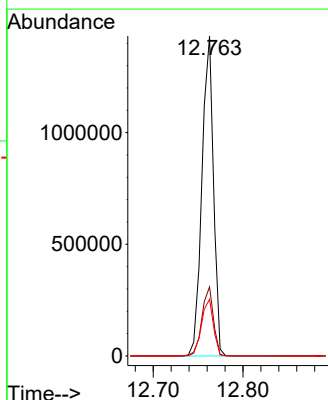
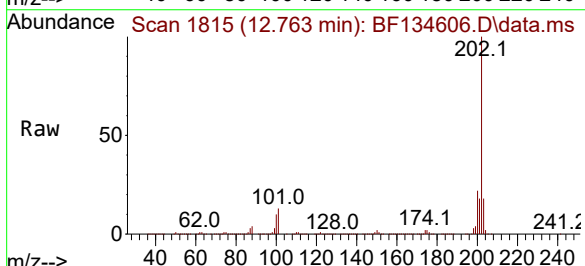
Tgt Ion:202 Resp: 1279305

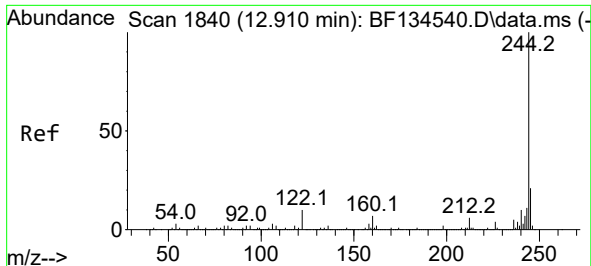
Ion Ratio Lower Upper

202 100

200 21.6 15.8 23.8

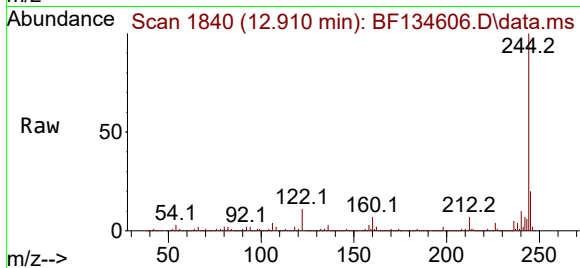
203 17.7 13.5 20.3





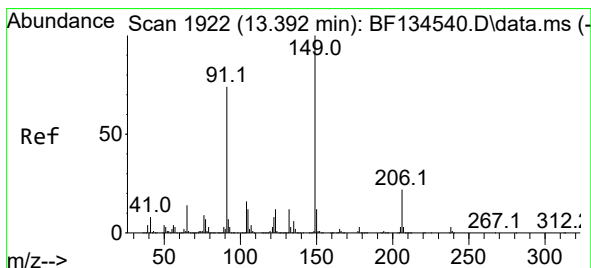
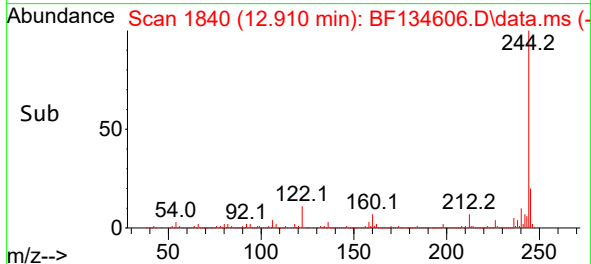
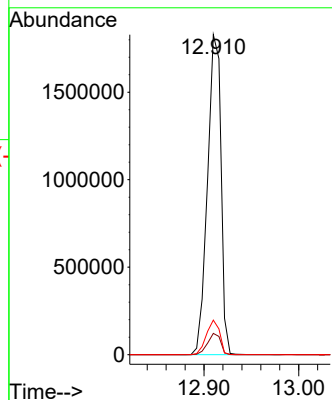
#79  
 Terphenyl-d14  
 Concen: 104.321 ng  
 RT: 12.910 min Scan# 1840  
 Delta R.T. 0.000 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-16-18-20230719MSD



Tgt Ion:244 Resp: 1805716

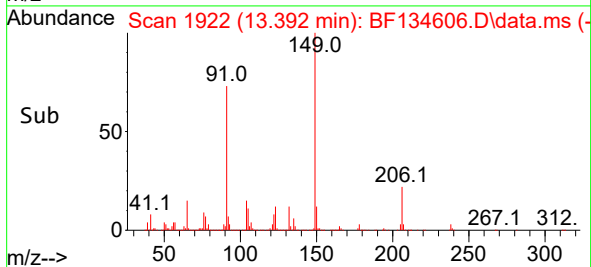
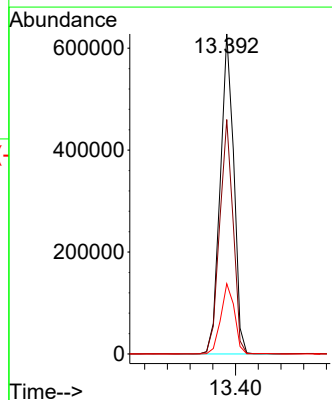
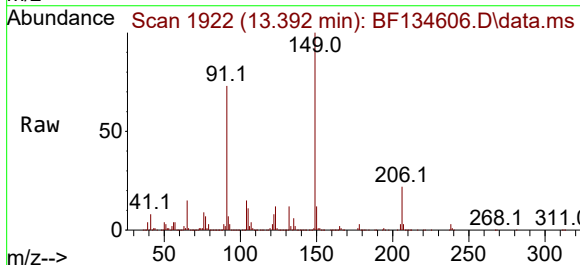
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.6   | 5.6   | 8.4   |
| 122 | 10.8  | 8.0   | 12.0  |

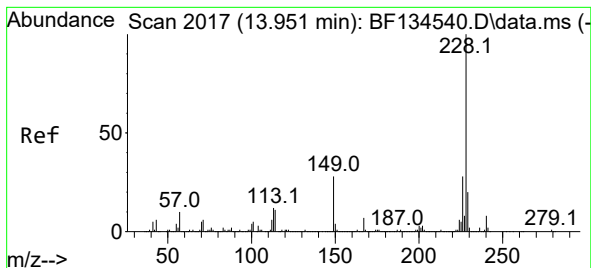


#80  
 Butylbenzylphthalate  
 Concen: 58.377 ng  
 RT: 13.392 min Scan# 1922  
 Delta R.T. 0.000 min  
 Lab File: BF134606.D  
 Acq: 03 Aug 2023 11:59

Tgt Ion:149 Resp: 521209

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 73.3  | 55.8  | 83.6  |
| 206 | 22.0  | 14.6  | 21.8  |





#81

Benzo(a)anthracene

Concen: 44.744 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

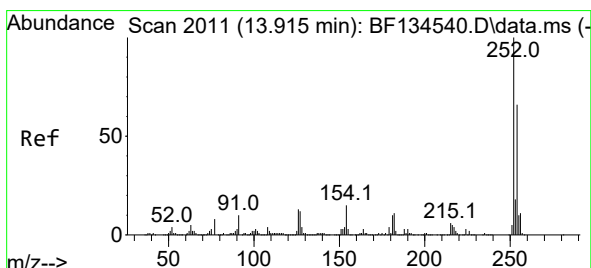
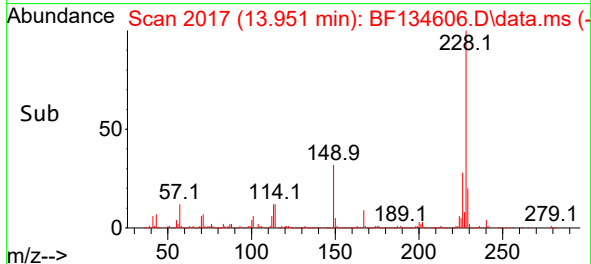
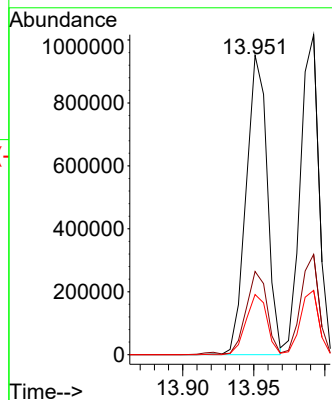
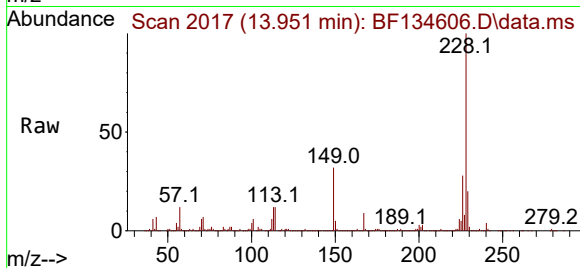
Tgt Ion:228 Resp: 976259

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

229 20.1 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 55.881 ng

RT: 13.922 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

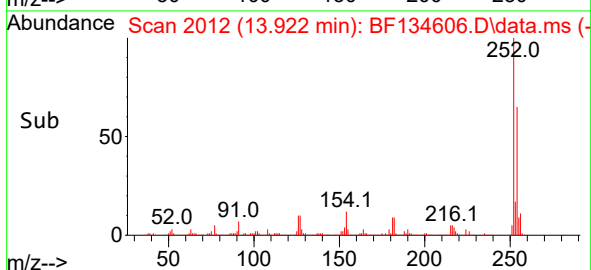
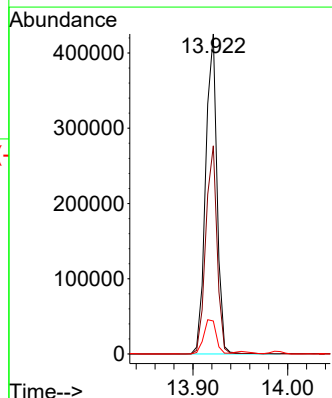
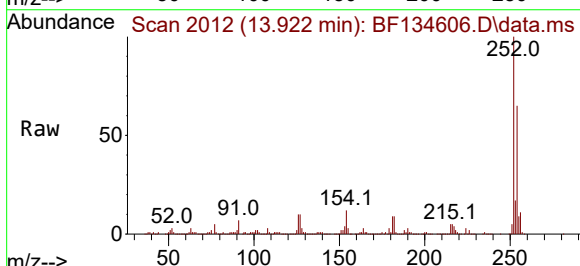
Tgt Ion:252 Resp: 353417

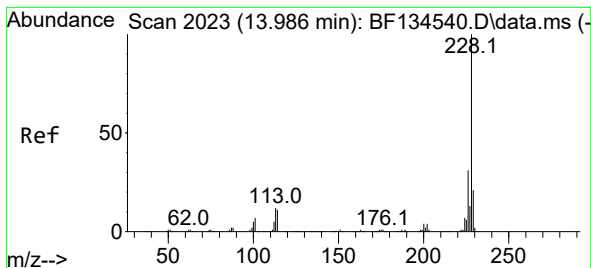
Ion Ratio Lower Upper

252 100

254 65.1 52.7 79.1

126 10.3 7.2 10.8





#83

Chrysene

Concen: 43.274 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

Instrument :

BNA\_F

ClientSampleId :

SB-21-16-18-20230719MSD

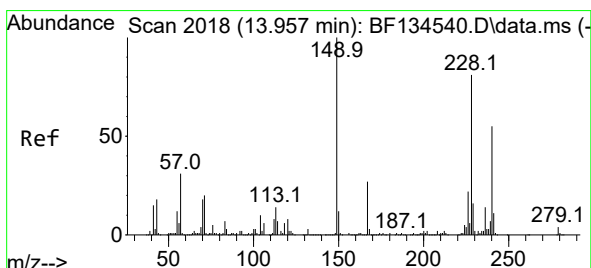
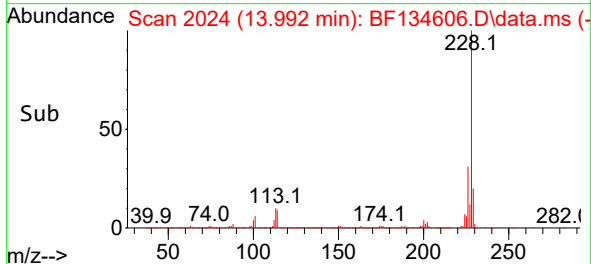
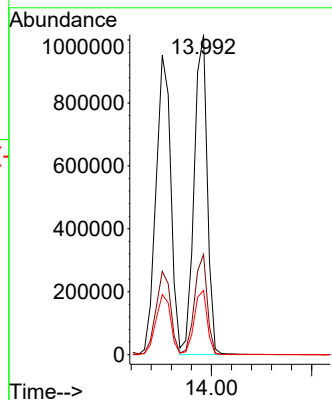
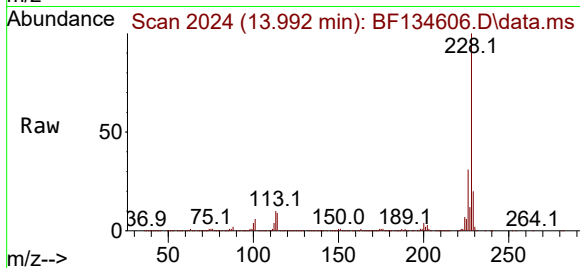
Tgt Ion:228 Resp: 919878

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

229 20.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.441 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF134606.D

Acq: 03 Aug 2023 11:59

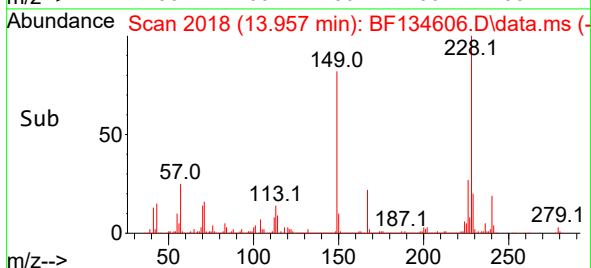
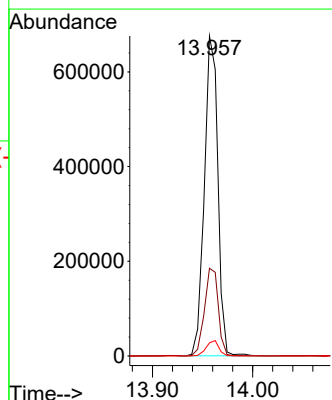
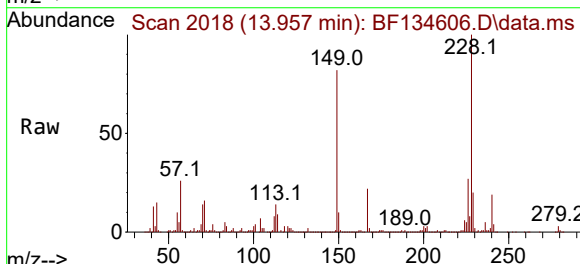
Tgt Ion:149 Resp: 635050

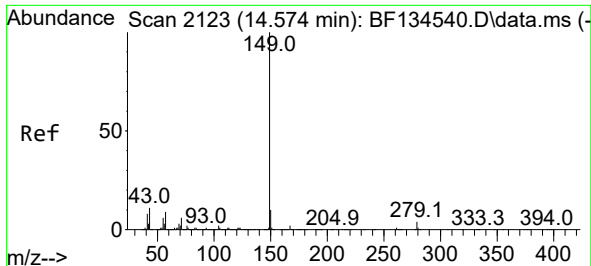
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.1 3.5 5.3

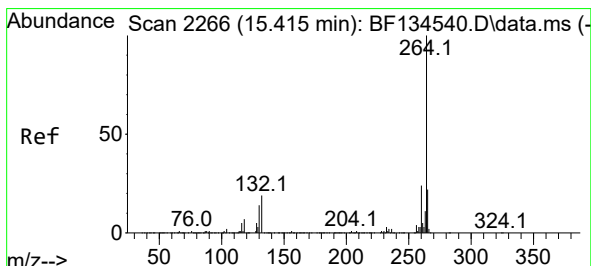
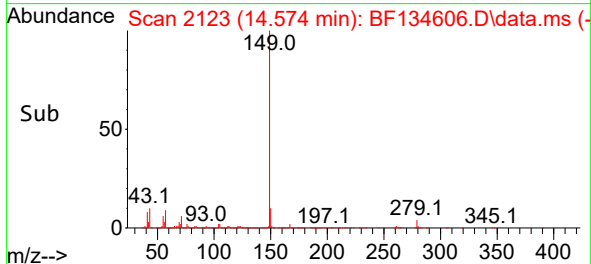
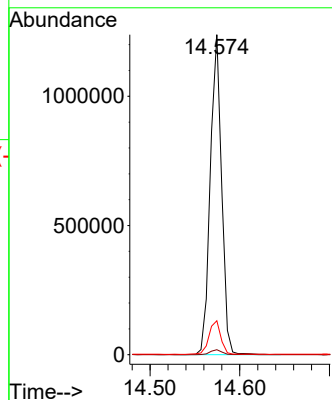
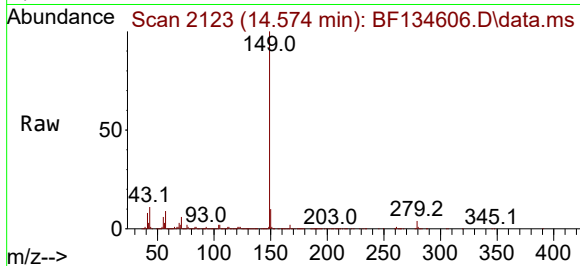




#85  
Di-n-octyl phthalate  
Concen: 67.807 ng  
RT: 14.574 min Scan# 2123  
Delta R.T. 0.000 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

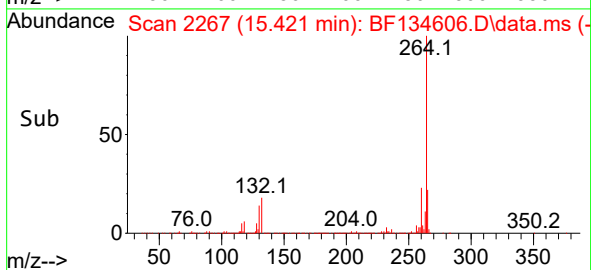
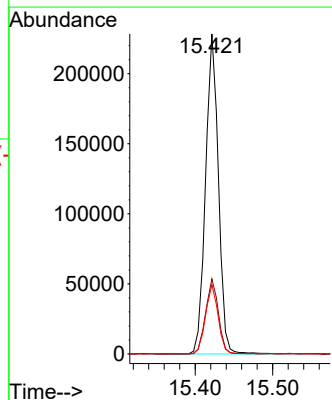
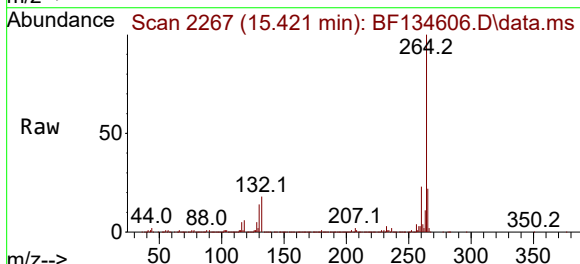
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

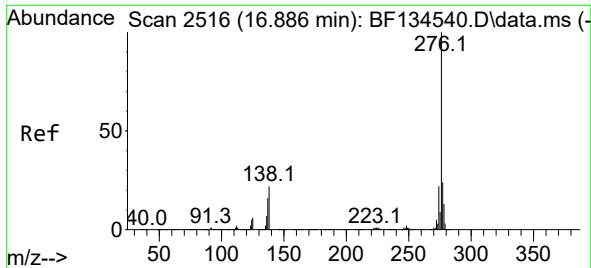
Tgt Ion:149 Resp: 1083420  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.0 8.1 12.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.421 min Scan# 2267  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:264 Resp: 262776  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.4 27.6  
265 21.6 15.8 23.8

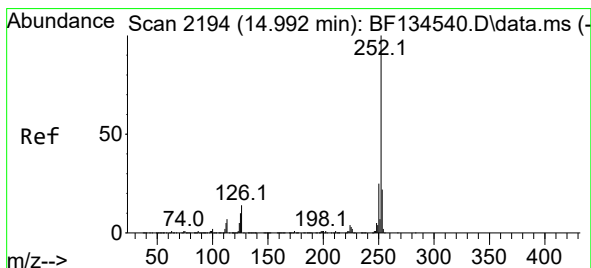
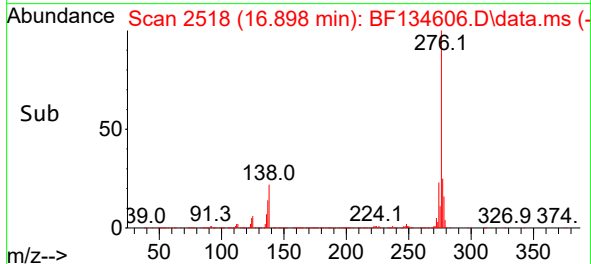
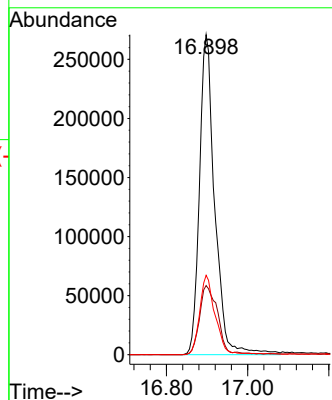
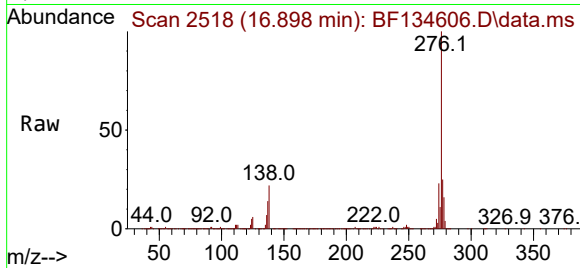




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 45.877 ng  
RT: 16.898 min Scan# 21195  
Delta R.T. 0.012 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

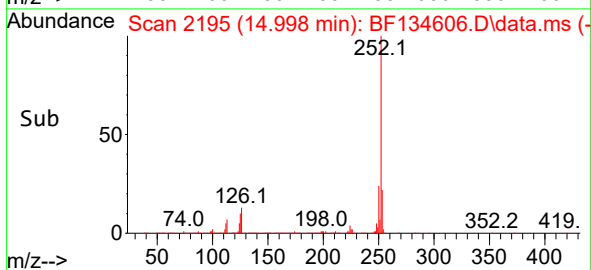
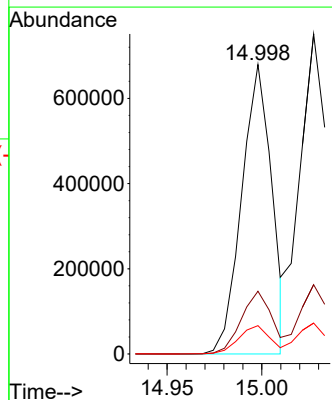
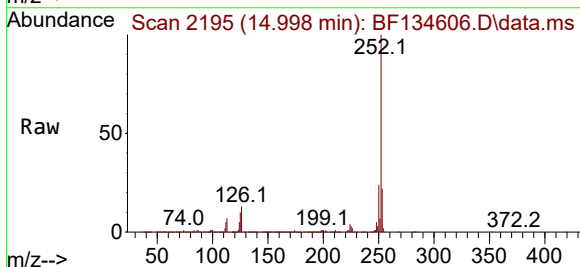
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

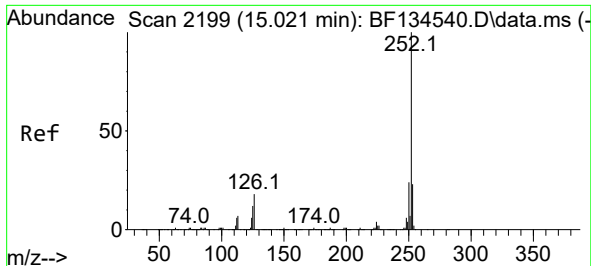
Tgt Ion:276 Resp: 709004  
Ion Ratio Lower Upper  
276 100  
138 25.0 14.2 21.4#  
277 24.8 19.9 29.9



#88  
Benzo(b)fluoranthene  
Concen: 46.928 ng  
RT: 14.998 min Scan# 2195  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:252 Resp: 752085  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.3 25.9  
125 9.8 6.0 9.0#

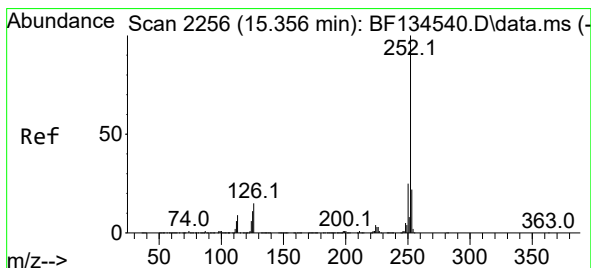
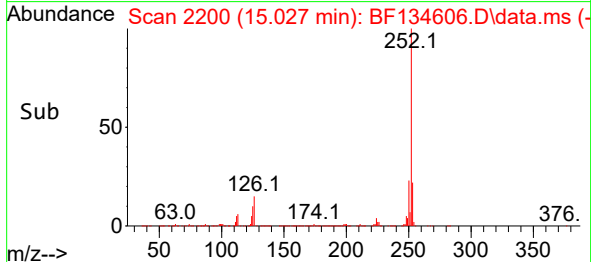
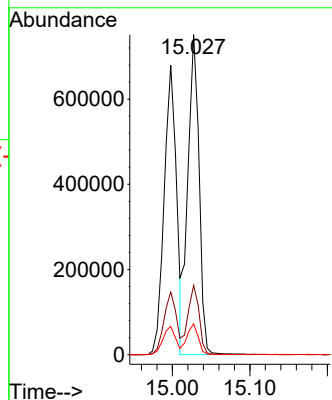
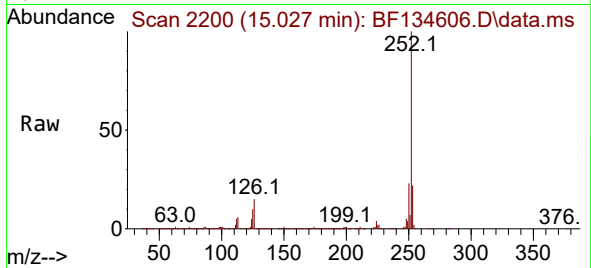




#89  
Benzo(k)fluoranthene  
Concen: 47.374 ng  
RT: 15.027 min Scan# 2199  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

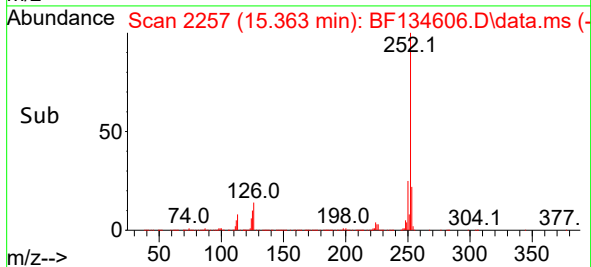
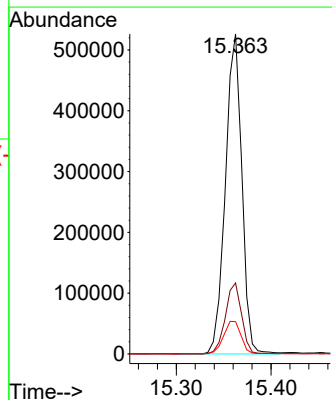
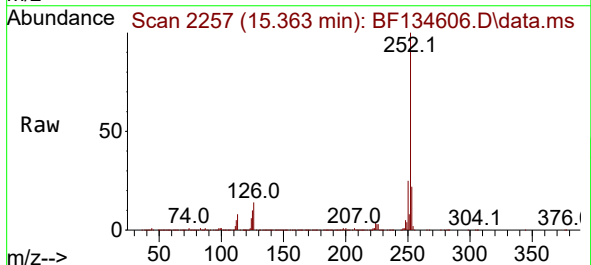
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

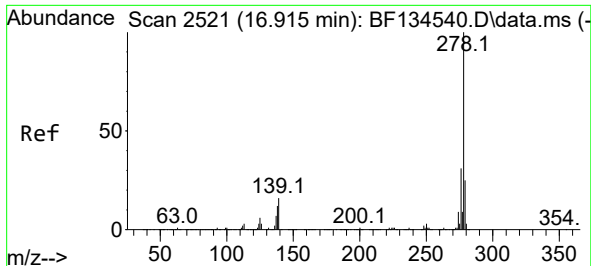
Tgt Ion:252 Resp: 756319  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.9 26.9  
125 9.6 6.3 9.5#



#90  
Benzo(a)pyrene  
Concen: 42.523 ng  
RT: 15.363 min Scan# 2257  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:252 Resp: 635415  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.0 25.4  
125 10.1 6.2 9.4#

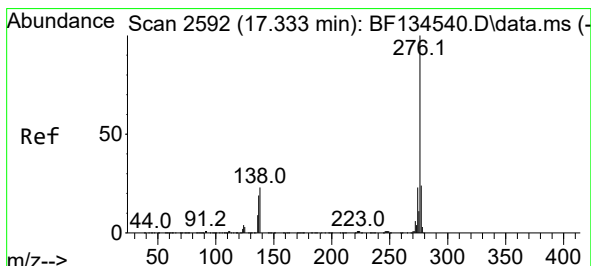
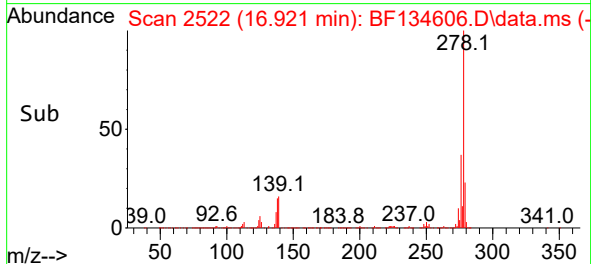
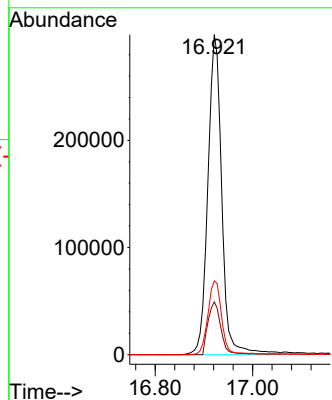
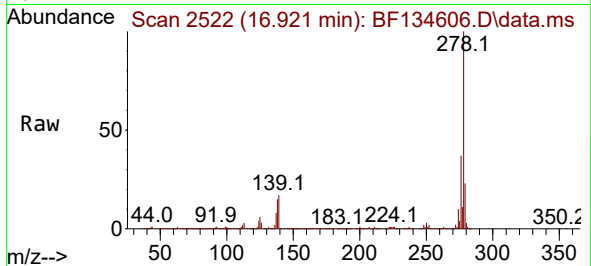




#91  
Dibenzo(a,h)anthracene  
Concen: 47.224 ng  
RT: 16.921 min Scan# 2521  
Delta R.T. 0.006 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-16-18-20230719MSD

Tgt Ion:278 Resp: 589809  
Ion Ratio Lower Upper  
278 100  
139 16.5 10.0 15.0#  
279 23.1 19.7 29.5



#92  
Benzo(g,h,i)perylene  
Concen: 42.753 ng  
RT: 17.345 min Scan# 2594  
Delta R.T. 0.012 min  
Lab File: BF134606.D  
Acq: 03 Aug 2023 11:59

Tgt Ion:276 Resp: 544689  
Ion Ratio Lower Upper  
276 100  
277 24.4 19.0 28.6  
138 21.6 12.2 18.2#

