

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090222\  
 Data File : BF130106.D  
 Acq On : 02 Sep 2022 12:28  
 Operator : CG\JU  
 Sample : N4295-05MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-RECYCLED-SAND-SP-A-COMPMS

Quant Time: Sep 03 05:41:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 31 18:15:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.704  | 152  | 212052   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.987  | 136  | 831137   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.739  | 164  | 426563   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.216 | 188  | 684287   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.851 | 240  | 387184   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.245 | 264  | 372794   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.304  | 112  | 864252   | 69.191  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.328  | 99   | 698951   | 44.884  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.275  | 82   | 1277355  | 98.769  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.528 | 330  | 558557   | 143.850 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.063  | 172  | 2201425  | 85.565  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.804 | 244  | 2034220  | 91.109  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.399  | 88   | 126086   | 21.599  | ng    | 94       |
| 3) Pyridine                   | 3.093  | 79   | 297579   | 19.011  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.034  | 42   | 131840   | 21.417  | ng    | 87       |
| 6) Aniline                    | 6.369  | 93   | 585937   | 30.011  | ng    | # 48     |
| 8) 2-Chlorophenol             | 6.487  | 128  | 556686   | 40.605  | ng    | 97       |
| 9) Benzaldehyde               | 6.251  | 77   | 379163   | 39.780  | ng    | 97       |
| 10) Phenol                    | 6.340  | 94   | 274955   | 15.621  | ng    | # 61     |
| 11) bis(2-Chloroethyl)ether   | 6.445  | 93   | 645128   | 48.237  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.645  | 146  | 646072   | 42.510  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.722  | 146  | 655102   | 42.792  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.875  | 146  | 632449   | 45.447  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.851  | 79   | 331281   | 31.562  | ng    | 90       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.987  | 45   | 837548   | 46.080  | ng    | # 53     |
| 17) 2-Methylphenol            | 6.963  | 107  | 368180   | 31.920  | ng    | # 86     |
| 18) Hexachloroethane          | 7.216  | 117  | 231538   | 41.883  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.128  | 70   | 435930   | 46.467  | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.116  | 107  | 372708   | 27.554  | ng    | # 48     |
| 22) Acetophenone              | 7.122  | 105  | 897884   | 48.355  | ng    | # 94     |
| 24) Nitrobenzene              | 7.292  | 77   | 660854   | 48.048  | ng    | 97       |
| 25) Isophorone                | 7.534  | 82   | 1254134  | 47.912  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.604  | 139  | 329086   | 50.719  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.645  | 122  | 514442   | 46.838  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.745  | 93   | 799596   | 50.853  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.845  | 162  | 511317   | 43.522  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.928  | 180  | 519179   | 41.911  | ng    | 99       |
| 31) Naphthalene               | 8.010  | 128  | 1799362  | 42.925  | ng    | 99       |
| 32) Benzoic acid              | 7.728  | 122  | 123077   | 18.417  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.057  | 127  | 416165   | 24.573  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.128  | 225  | 289919   | 40.865  | ng    | 100      |
| 35) Caprolactam               | 8.463  | 113  | 9142     | 2.511   | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.534  | 107  | 488463   | 41.088  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.698  | 142  | 1207484  | 44.717  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.798  | 142  | 1148896  | 43.773  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.863  | 216  | 497618   | 44.737  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.851  | 237  | 601474   | 103.469 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 8.975  | 196  | 348181   | 43.853  | ng    | 98       |

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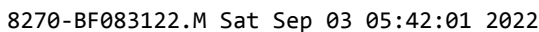
Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-RECYCLED-SAND-SP-A-COMPMS

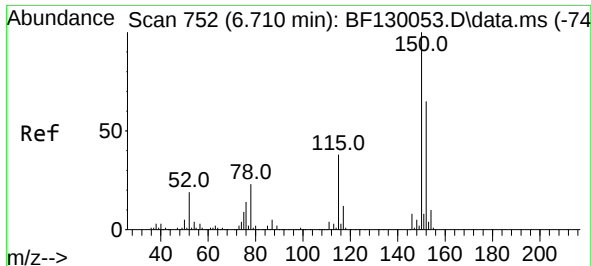
Quant Time: Sep 03 05:41:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 31 18:15:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.010  | 196  | 388665   | 45.164 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.163  | 154  | 1437286  | 46.379 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.186  | 162  | 1131956  | 45.588 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.286  | 65   | 329589   | 53.865 | ng    | # 82     |
| 49) Acenaphthylene            | 9.598  | 152  | 1729860  | 45.878 | ng    | 99       |
| 50) Dimethylphthalate         | 9.475  | 163  | 1358362  | 46.753 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.528  | 165  | 304382   | 53.734 | ng    | 95       |
| 52) Acenaphthene              | 9.775  | 154  | 1058869  | 44.560 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.692  | 138  | 196970   | 30.294 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.804  | 184  | 261465   | 99.477 | ng    | # 79     |
| 55) Dibenzofuran              | 9.945  | 168  | 1560898  | 45.872 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.851  | 139  | 192695   | 38.441 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 9.928  | 165  | 393577   | 60.348 | ng    | # 87     |
| 58) Fluorene                  | 10.286 | 166  | 1141748  | 44.099 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.057 | 232  | 296282   | 44.328 | ng    | # 79     |
| 60) Diethylphthalate          | 10.169 | 149  | 1288460  | 45.840 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.281 | 204  | 516669   | 45.143 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.310 | 138  | 296636   | 46.911 | ng    | 94       |
| 63) Azobenzene                | 10.439 | 77   | 1236258  | 44.671 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.333 | 198  | 165056   | 50.826 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.404 | 169  | 1065349  | 46.572 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.769 | 248  | 367252   | 48.251 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.828 | 284  | 398700   | 48.074 | ng    | 94       |
| 69) Atrazine                  | 10.933 | 200  | 338698   | 52.337 | ng    | 99       |
| 70) Pentachlorophenol         | 11.022 | 266  | 436400   | 94.099 | ng    | 96       |
| 71) Phenanthrene              | 11.245 | 178  | 1676027  | 45.164 | ng    | 99       |
| 72) Anthracene                | 11.298 | 178  | 1708104  | 46.822 | ng    | 100      |
| 73) Carbazole                 | 11.451 | 167  | 1604316  | 47.690 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.786 | 149  | 1951583  | 48.109 | ng    | 100      |
| 75) Fluoranthene              | 12.427 | 202  | 1658626  | 45.072 | ng    | 97       |
| 77) Benzidine                 | 12.551 | 184  | 560918   | 53.658 | ng    | 99       |
| 78) Pyrene                    | 12.657 | 202  | 1679715  | 48.367 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.280 | 149  | 735832   | 53.270 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.839 | 228  | 1220847  | 46.011 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.804 | 252  | 263872   | 31.889 | ng    | 99       |
| 83) Chrysene                  | 13.874 | 228  | 1211746  | 46.320 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.839 | 149  | 895712   | 52.168 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.451 | 149  | 1487253  | 54.836 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.598 | 276  | 1331262  | 54.136 | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 14.880 | 252  | 1065805  | 42.872 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.880 | 252  | 1065805  | 44.328 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.192 | 252  | 1008515  | 51.053 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 16.621 | 278  | 1156317  | 57.465 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 17.009 | 276  | 1177343  | 58.480 | ng    | # 93     |

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

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QLast Update : Wed Aug 31 18:15:32 2022  
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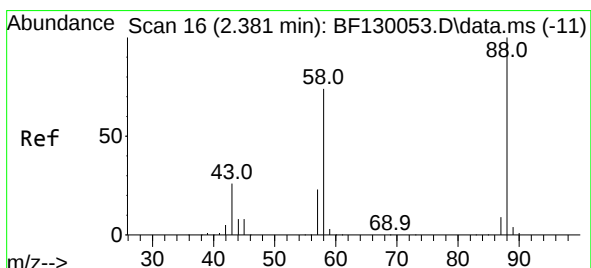
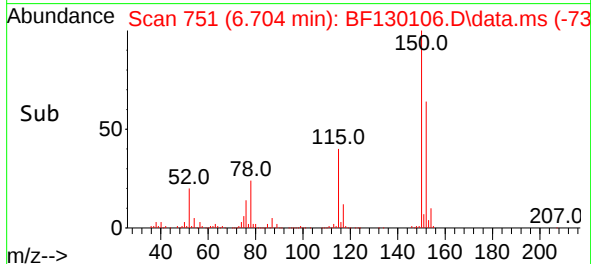
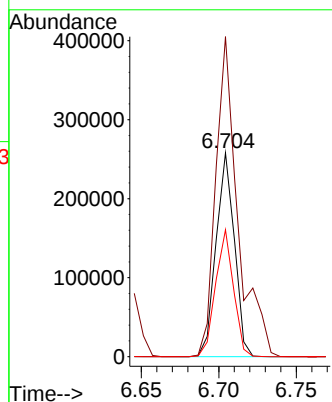
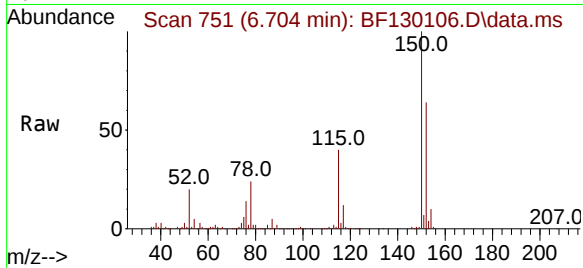




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.704 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

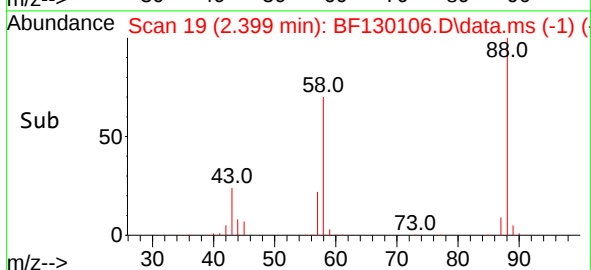
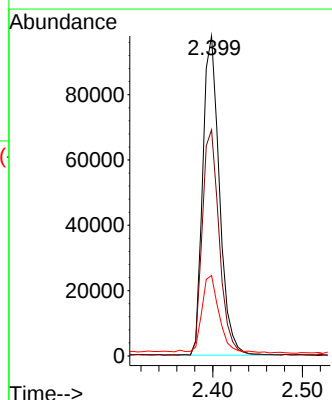
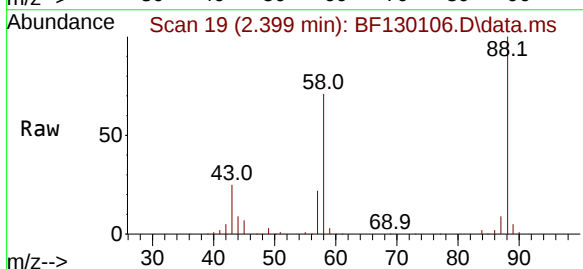
Instrument :  
 BNA\_F  
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 XRDS-RECYCLED-SAND-SP-A-COMPMS

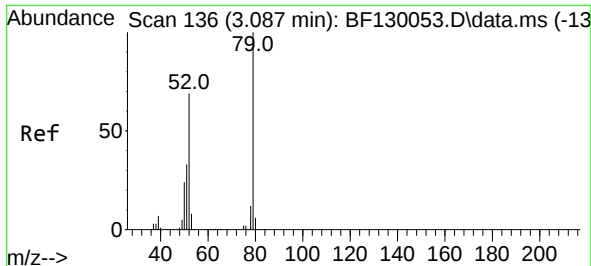
Tgt Ion:152 Resp: 212052  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 126.9 190.3  
 115 62.3 53.4 80.0



#2  
 1,4-Dioxane  
 Concen: 21.599 ng  
 RT: 2.399 min Scan# 19  
 Delta R.T. 0.018 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

Tgt Ion: 88 Resp: 126086  
 Ion Ratio Lower Upper  
 88 100  
 58 71.8 60.9 91.3  
 43 25.6 23.6 35.4

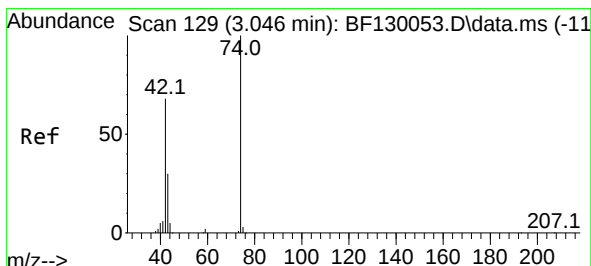
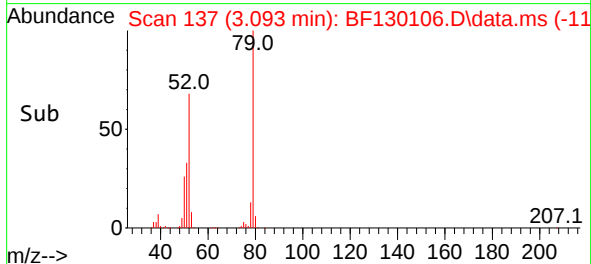
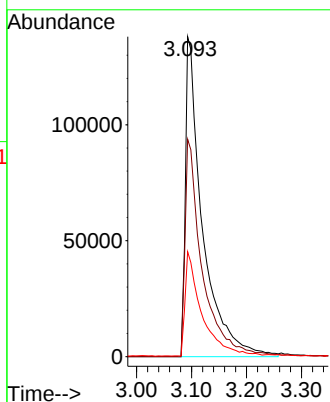
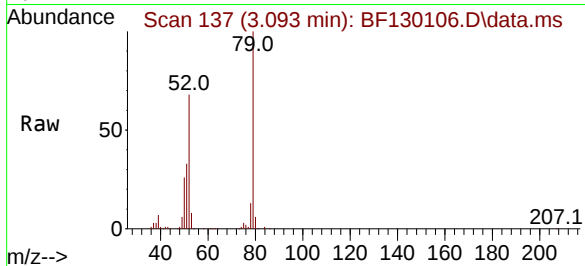




#3  
Pyridine  
Concen: 19.011 ng  
RT: 3.093 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

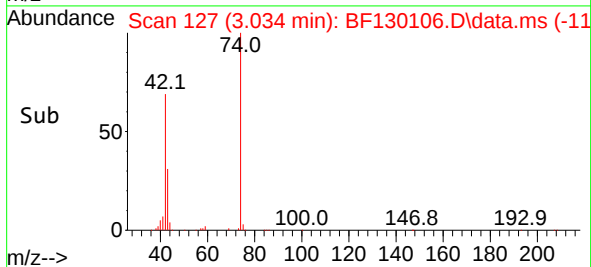
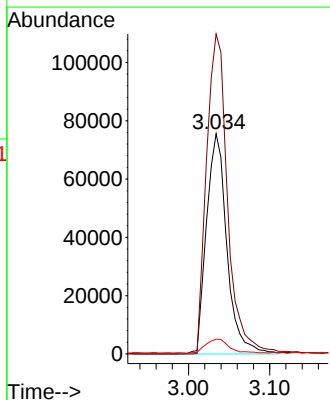
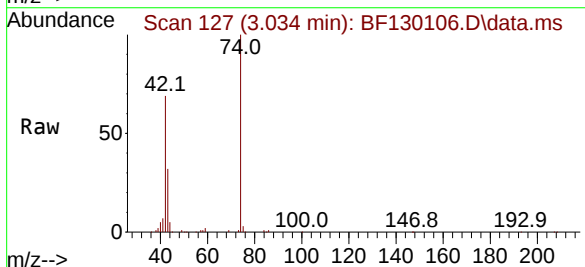
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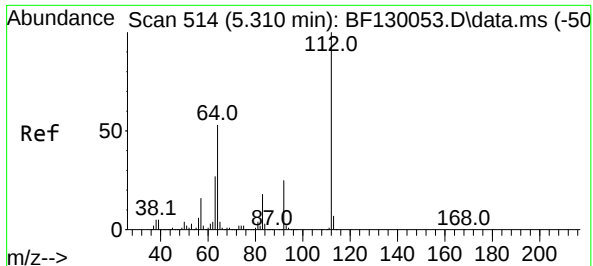
Tgt Ion: 79 Resp: 297579  
Ion Ratio Lower Upper  
79 100  
52 68.0 59.4 89.2  
51 32.8 29.5 44.3



#4  
n-Nitrosodimethylamine  
Concen: 21.417 ng  
RT: 3.034 min Scan# 127  
Delta R.T. -0.012 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 42 Resp: 131840  
Ion Ratio Lower Upper  
42 100  
74 145.3 103.1 154.7  
44 6.7 5.4 8.2

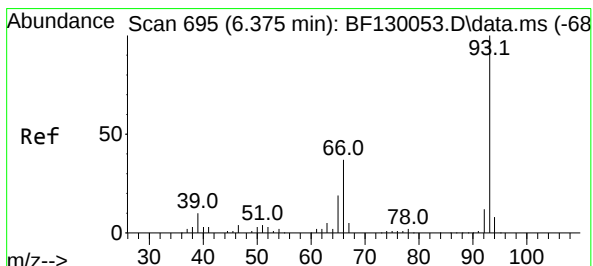
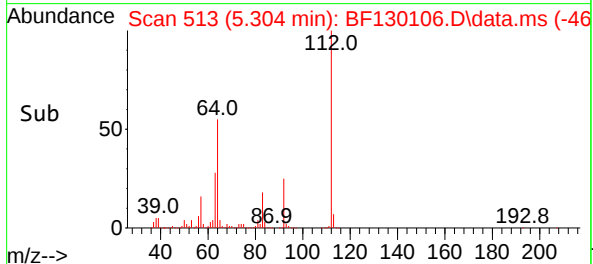
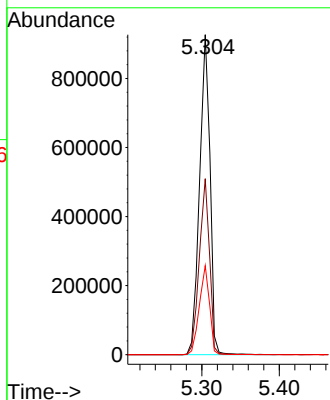
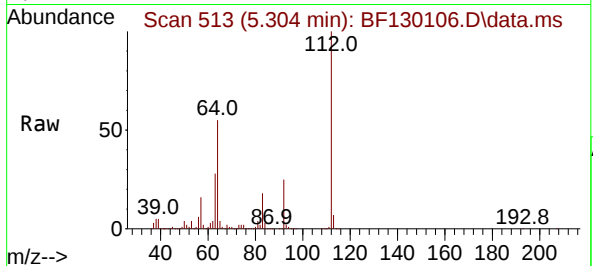




#5  
2-Fluorophenol  
Concen: 69.191 ng  
RT: 5.304 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

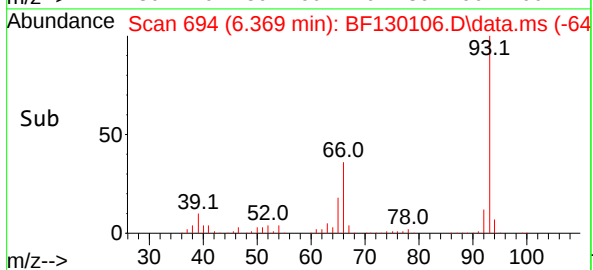
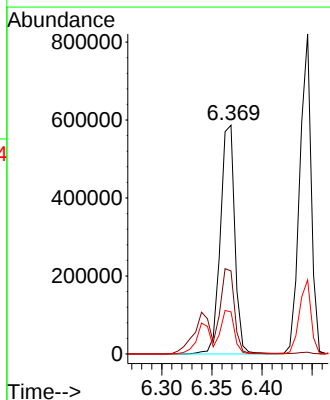
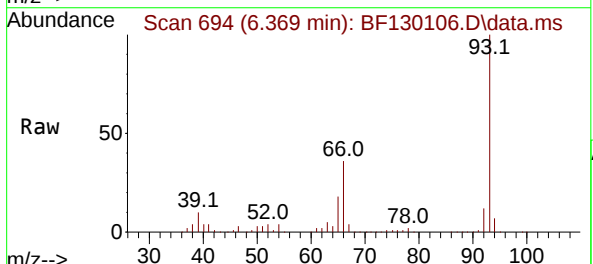
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ClientSampleId :  
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Tgt Ion:112 Resp: 864252  
Ion Ratio Lower Upper  
112 100  
64 55.0 47.6 71.4  
63 27.8 24.6 37.0



#6  
Aniline  
Concen: 30.011 ng  
RT: 6.369 min Scan# 694  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 93 Resp: 585937  
Ion Ratio Lower Upper  
93 100  
66 36.3 68.7 103.1#  
65 18.4 41.6 62.4#

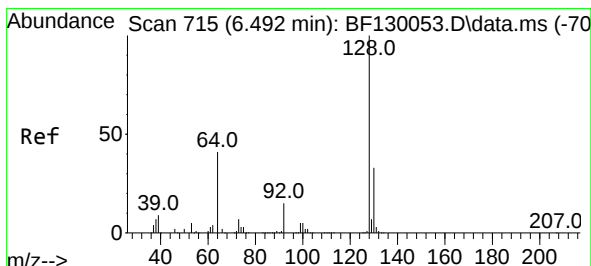
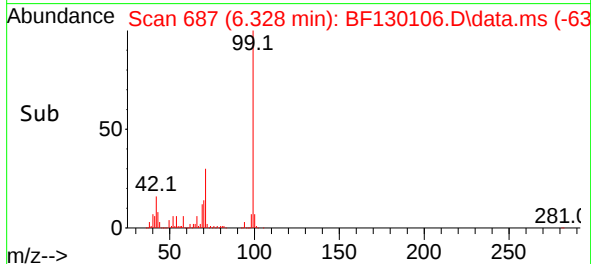
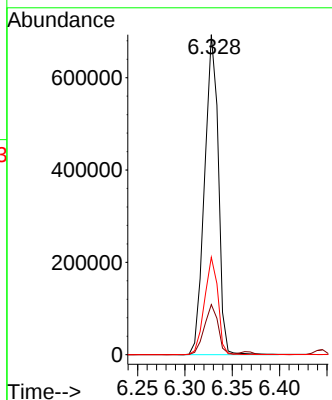
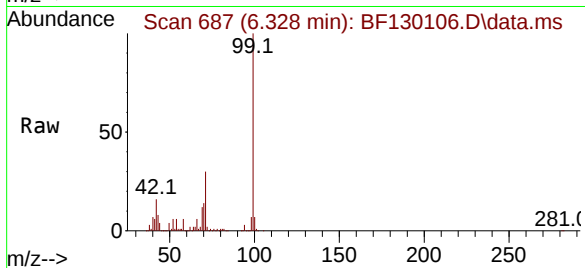




#7  
Phenol-d6  
Concen: 44.884 ng  
RT: 6.328 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

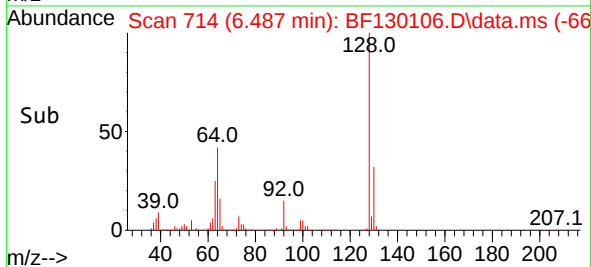
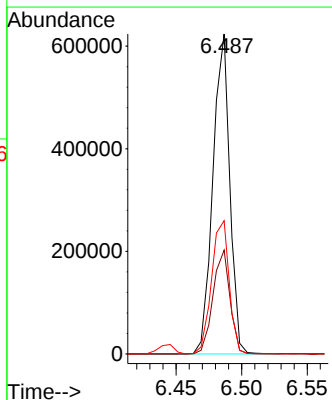
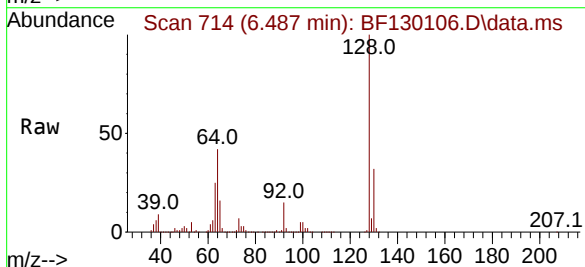
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BNA\_F  
ClientSampleId :  
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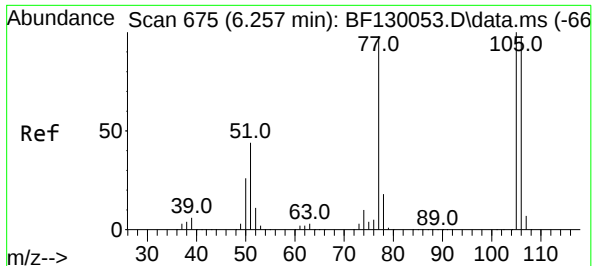
Tgt Ion: 99 Resp: 698951  
Ion Ratio Lower Upper  
99 100  
42 15.7 15.0 22.4  
71 30.4 28.8 43.2



#8  
2-Chlorophenol  
Concen: 40.605 ng  
RT: 6.487 min Scan# 714  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 128 Resp: 556686  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.5 52.5  
64 41.7 24.9 64.9

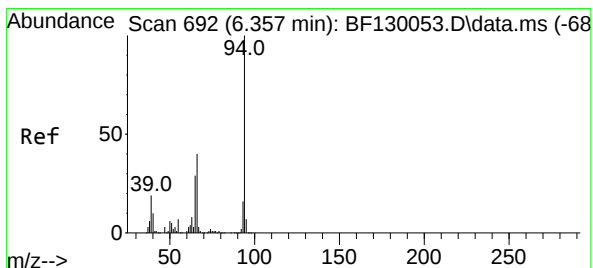
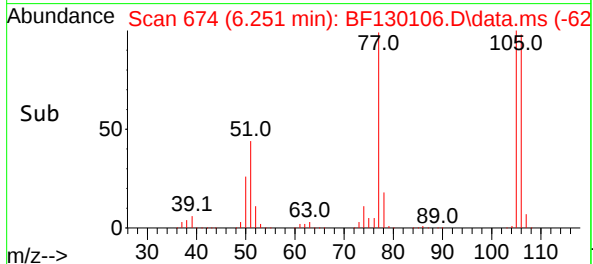
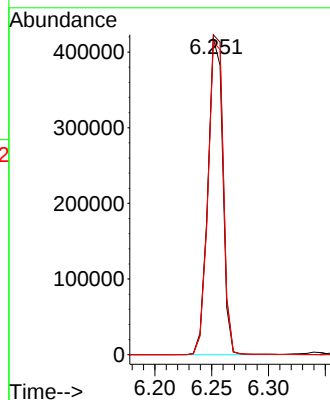
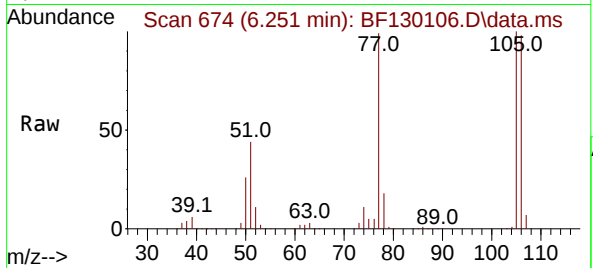




#9  
Benzaldehyde  
Concen: 39.780 ng  
RT: 6.251 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

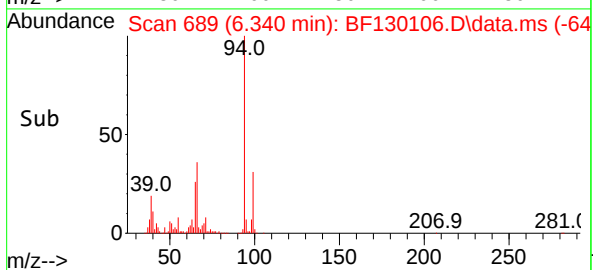
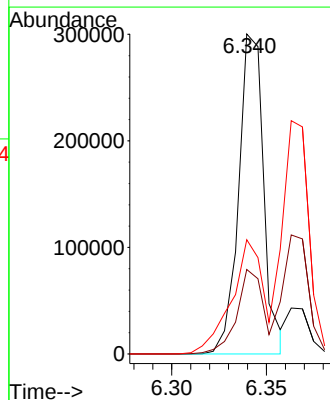
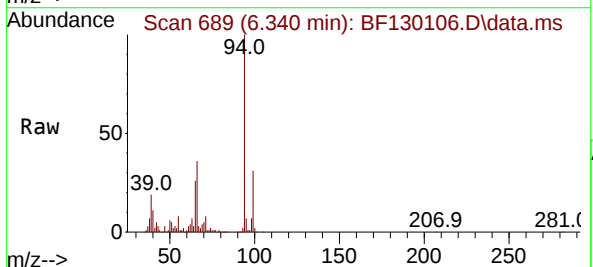
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

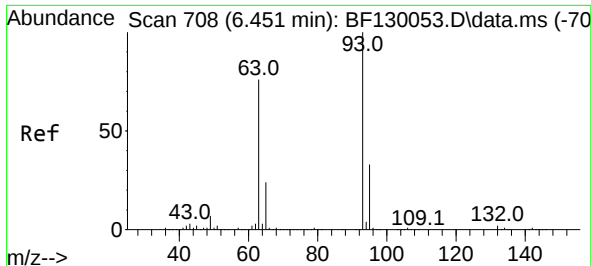
Tgt Ion: 77 Resp: 379163  
Ion Ratio Lower Upper  
77 100  
105 101.1 80.3 120.3  
106 98.8 74.3 114.3



#10  
Phenol  
Concen: 15.621 ng  
RT: 6.340 min Scan# 689  
Delta R.T. -0.018 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 94 Resp: 274955  
Ion Ratio Lower Upper  
94 100  
65 26.4 24.9 64.9  
66 35.7 54.2 94.2#

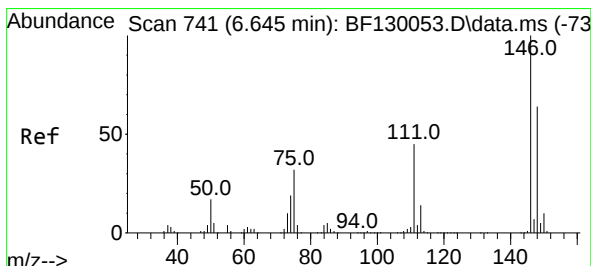
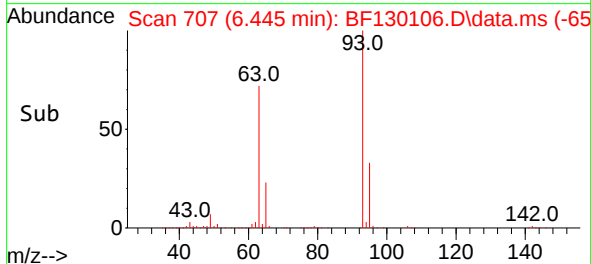
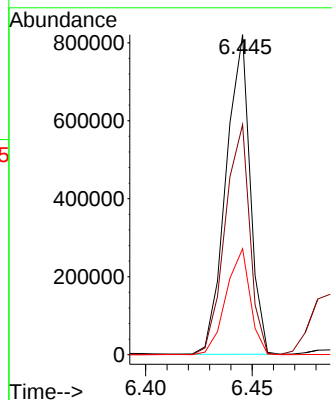
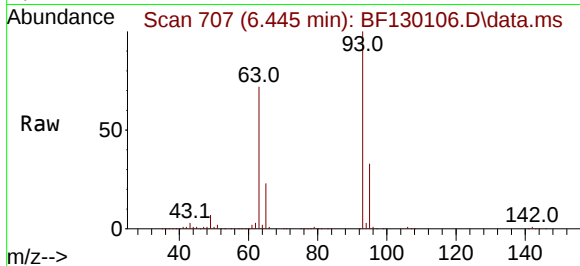




#11  
bis(2-Chloroethyl)ether  
Concen: 48.237 ng  
RT: 6.445 min Scan# 708  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

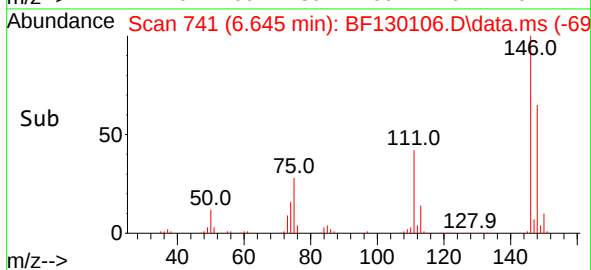
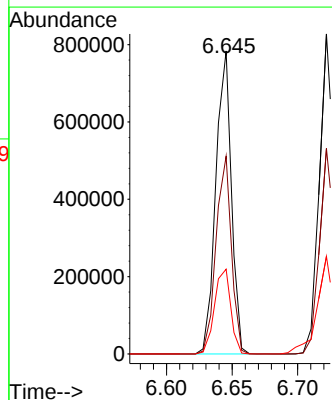
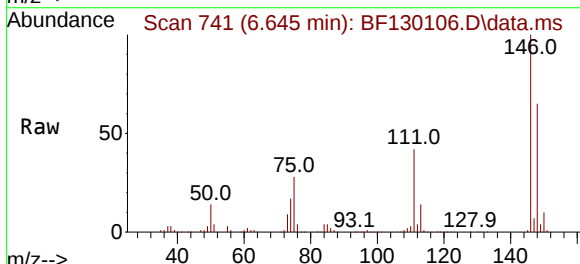
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

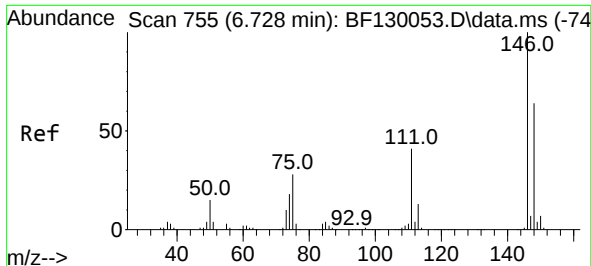
Tgt Ion: 93 Resp: 645128  
Ion Ratio Lower Upper  
93 100  
63 71.9 55.9 95.9  
95 33.1 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 42.510 ng  
RT: 6.645 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:146 Resp: 646072  
Ion Ratio Lower Upper  
146 100  
148 65.2 51.2 76.8  
75 28.0 26.5 39.7

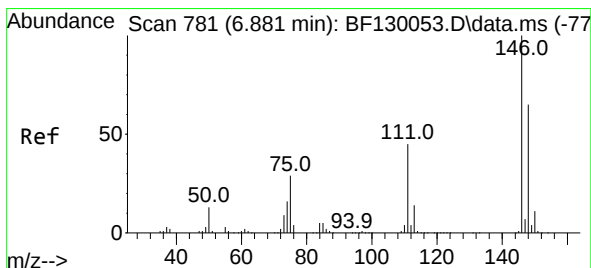
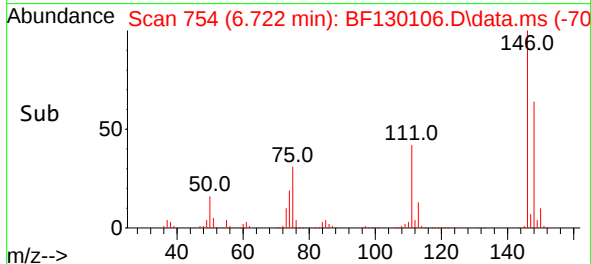
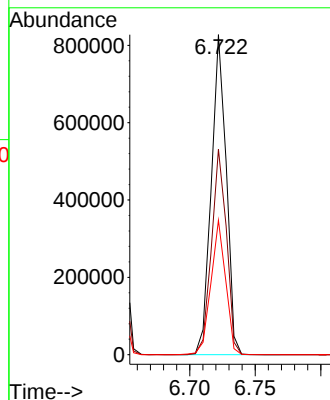
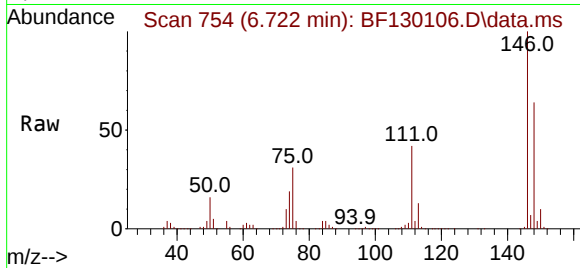




#13  
1,4-Dichlorobenzene  
Concen: 42.792 ng  
RT: 6.722 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

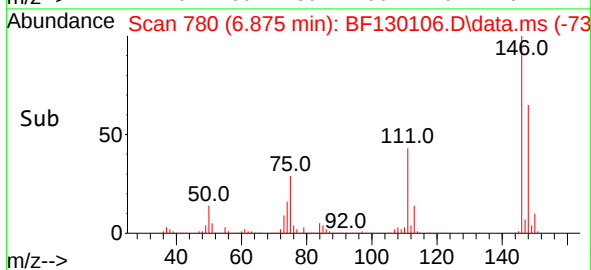
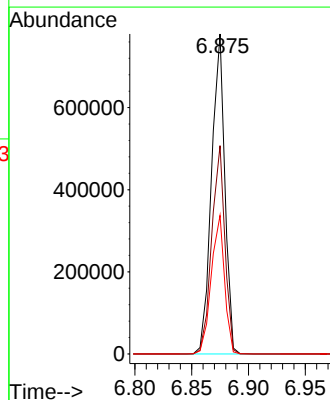
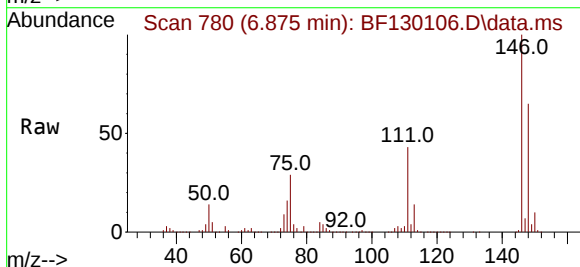
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

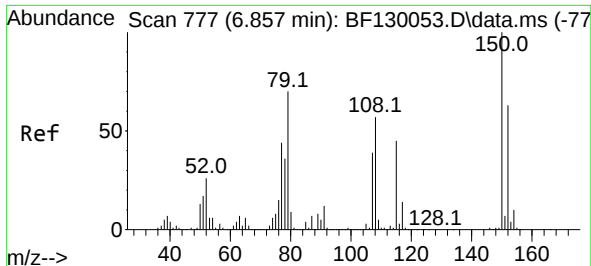
Tgt Ion:146 Resp: 655102  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.6 75.8  
111 42.0 36.2 54.4



#14  
1,2-Dichlorobenzene  
Concen: 45.447 ng  
RT: 6.875 min Scan# 780  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:146 Resp: 632449  
Ion Ratio Lower Upper  
146 100  
148 65.1 51.8 77.6  
111 43.3 37.2 55.8

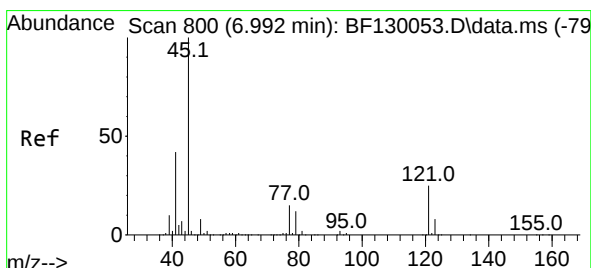
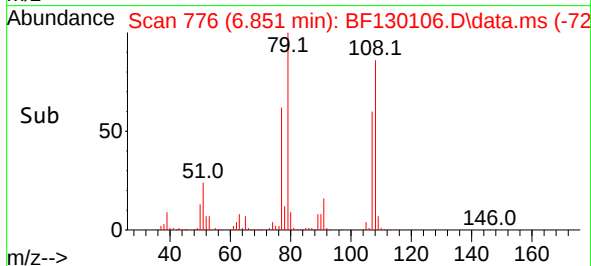
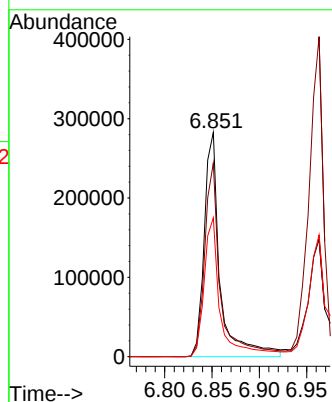
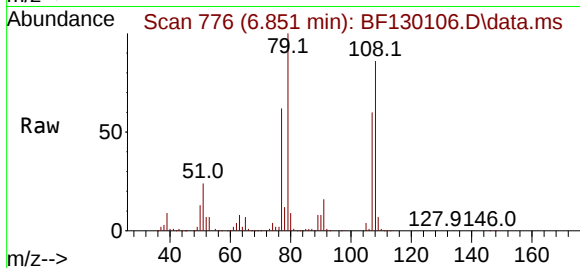




#15  
Benzyl Alcohol  
Concen: 31.562 ng  
RT: 6.851 min Scan# 715  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

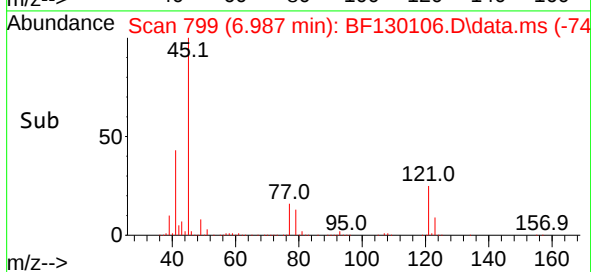
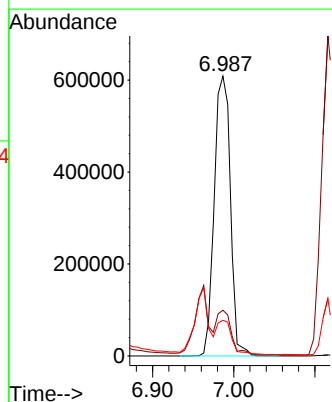
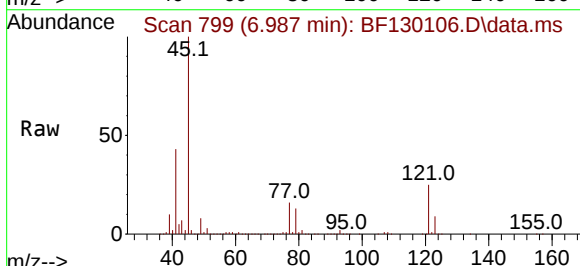
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

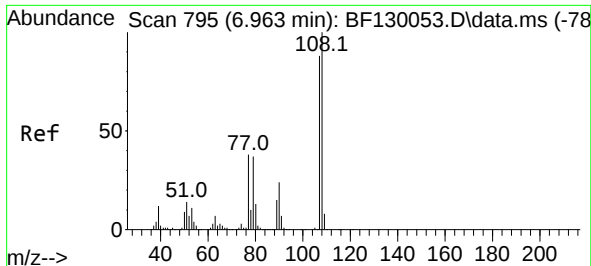
Tgt Ion: 79 Resp: 331281  
Ion Ratio Lower Upper  
79 100  
108 86.3 59.2 88.8  
77 62.0 51.9 77.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.080 ng  
RT: 6.987 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

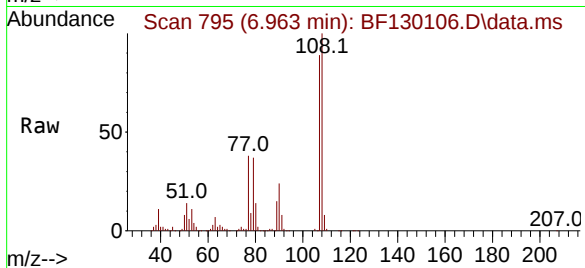
Tgt Ion: 45 Resp: 837548  
Ion Ratio Lower Upper  
45 100  
77 16.3 27.4 67.4#  
79 12.8 24.4 64.4#



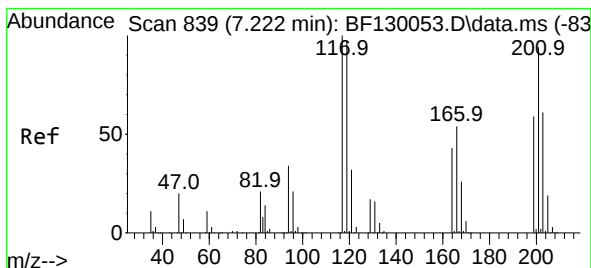
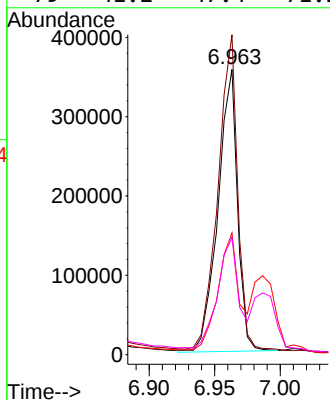
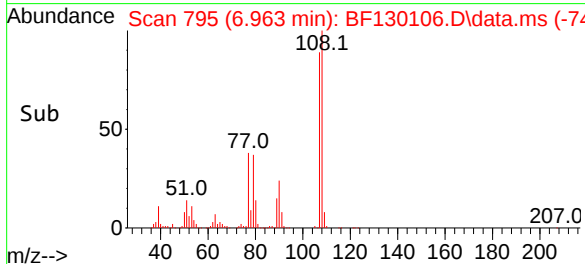


#17  
2-Methylphenol  
Concen: 31.920 ng  
RT: 6.963 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

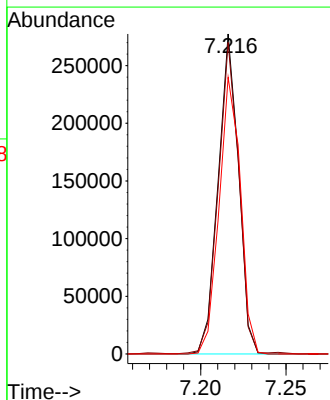
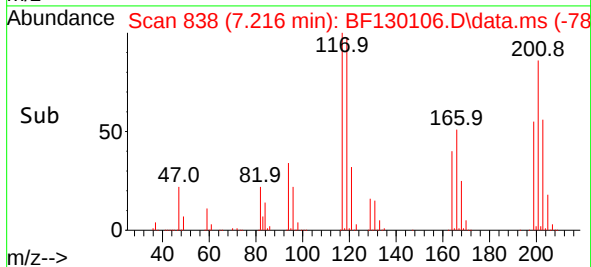
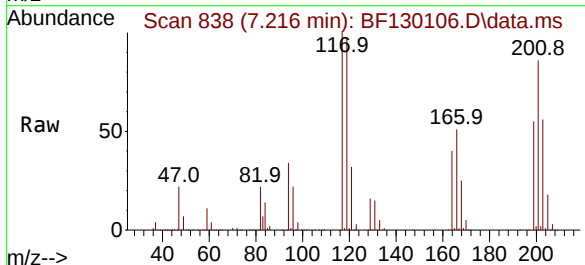


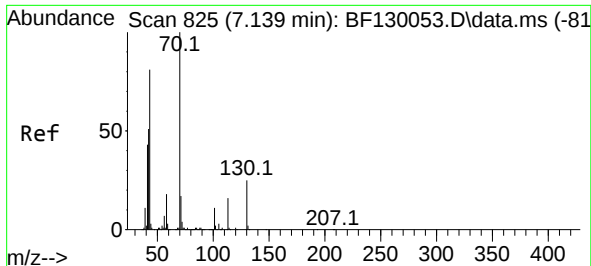
Tgt Ion:107 Resp: 368180  
Ion Ratio Lower Upper  
107 100  
108 112.2 90.2 135.2  
77 42.7 51.8 77.8#  
79 41.2 47.4 71.2#



#18  
Hexachloroethane  
Concen: 41.883 ng  
RT: 7.216 min Scan# 838  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:117 Resp: 231538  
Ion Ratio Lower Upper  
117 100  
119 97.3 79.1 118.7  
201 86.5 66.6 100.0

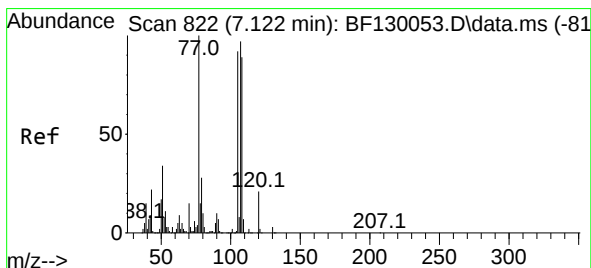
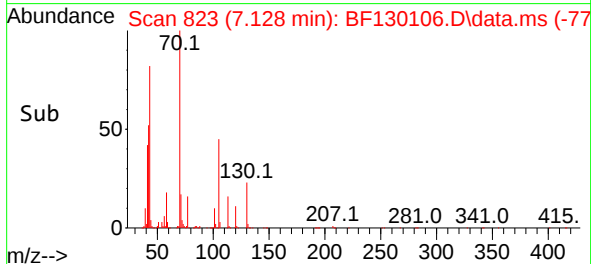
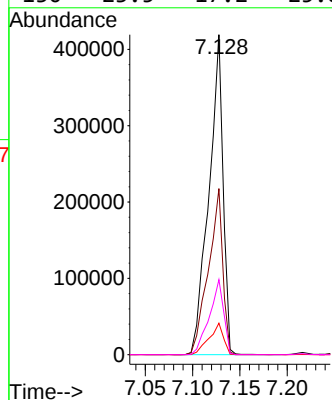
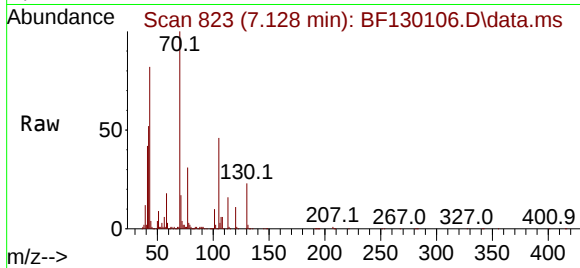




#19  
n-Nitroso-di-n-propylamine  
Concen: 46.467 ng  
RT: 7.128 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

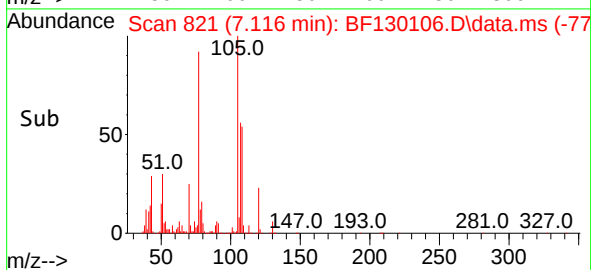
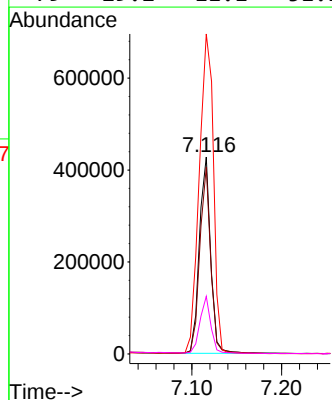
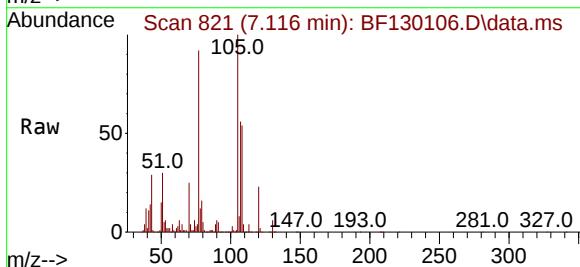
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

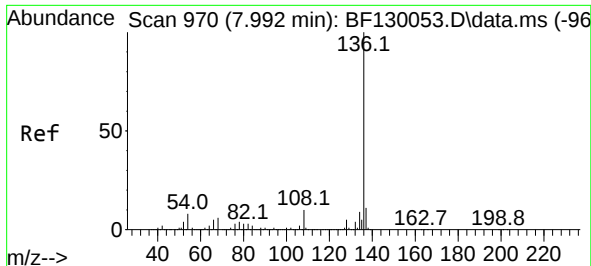
Tgt Ion: 70 Resp: 435930  
Ion Ratio Lower Upper  
70 100  
42 51.9 47.6 71.4  
101 9.8 8.1 12.1  
130 23.5 17.2 25.8



#20  
3+4-Methylphenols  
Concen: 27.554 ng  
RT: 7.116 min Scan# 821  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 107 Resp: 372708  
Ion Ratio Lower Upper  
107 100  
108 94.9 71.3 111.3  
77 162.5 20.4 60.4#  
79 29.2 11.1 51.1

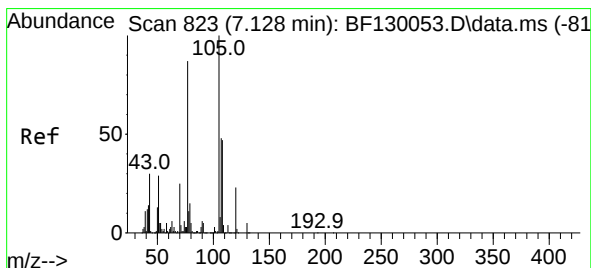
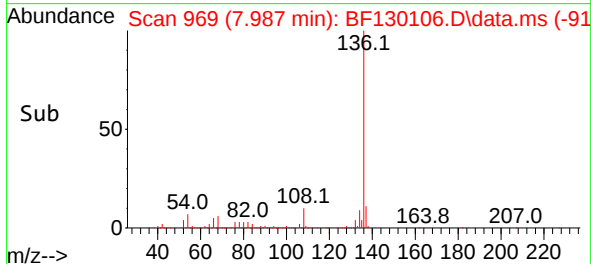
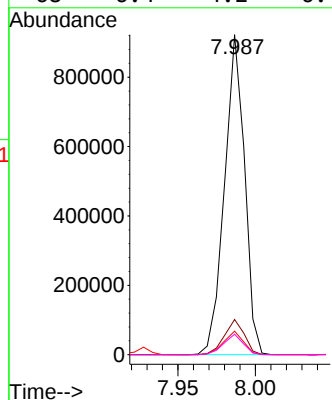
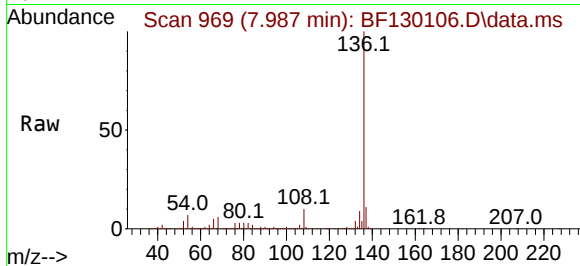




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.987 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

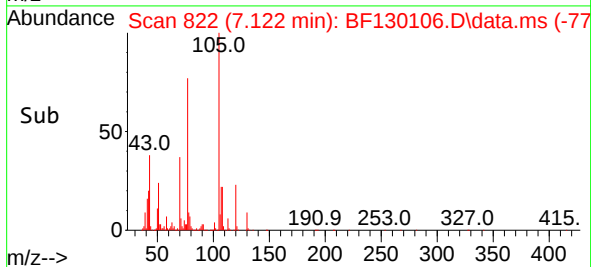
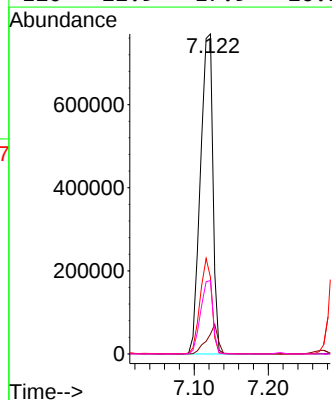
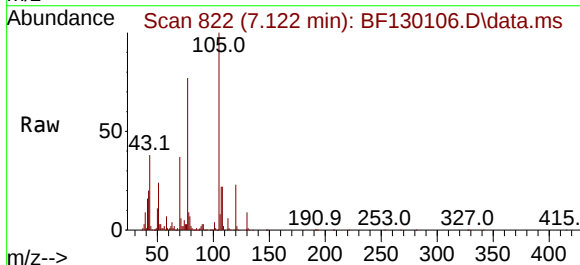
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

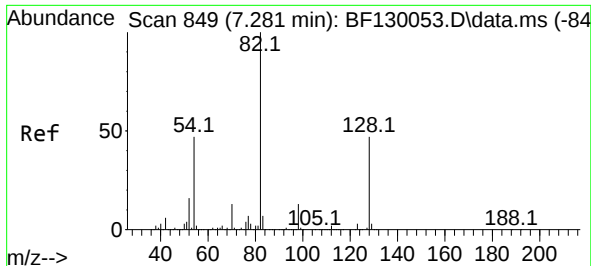
Tgt Ion:136 Resp: 831137  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.4 12.6  
54 7.4 6.2 9.2  
68 6.4 4.2 6.4#



#22  
Acetophenone  
Concen: 48.355 ng  
RT: 7.122 min Scan# 822  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:105 Resp: 897884  
Ion Ratio Lower Upper  
105 100  
71 6.2 6.6 9.8#  
51 24.0 23.8 35.8  
120 22.9 17.9 26.9

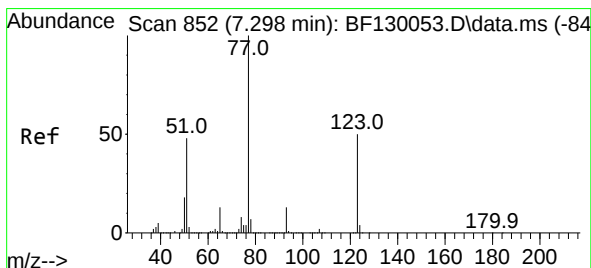
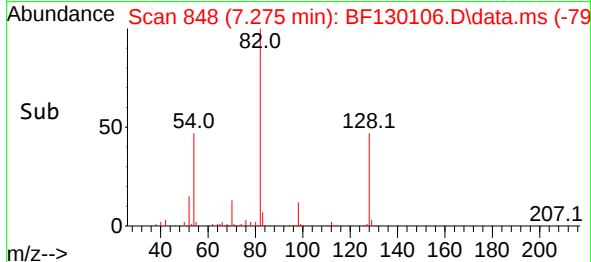
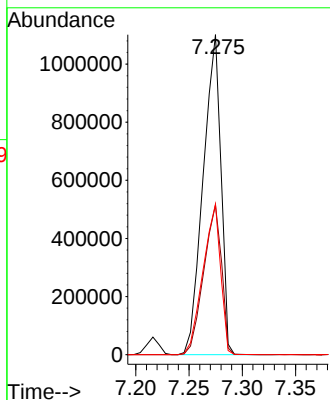
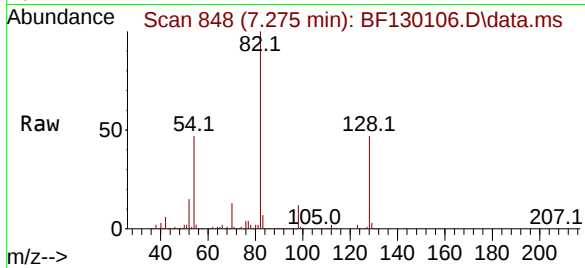




#23  
Nitrobenzene-d5  
Concen: 98.769 ng  
RT: 7.275 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

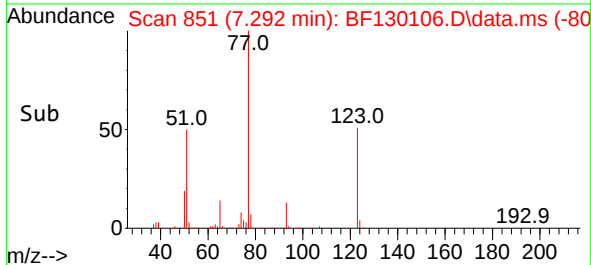
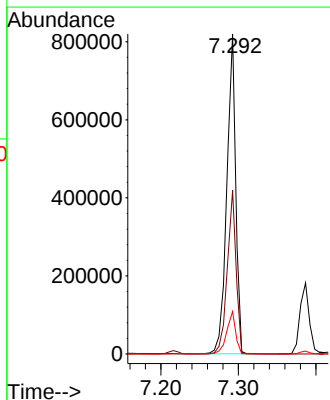
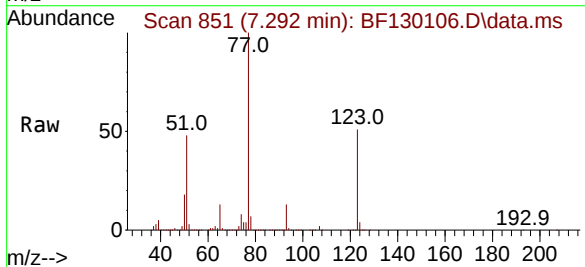
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

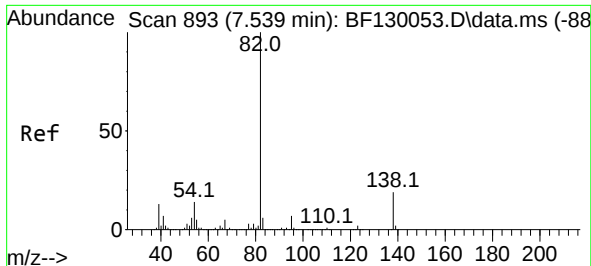
Tgt Ion: 82 Resp: 1277355  
Ion Ratio Lower Upper  
82 100  
128 46.8 36.1 54.1  
54 47.1 40.0 60.0



#24  
Nitrobenzene  
Concen: 48.048 ng  
RT: 7.292 min Scan# 851  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 77 Resp: 660854  
Ion Ratio Lower Upper  
77 100  
123 51.2 39.2 58.8  
65 13.2 11.1 16.7

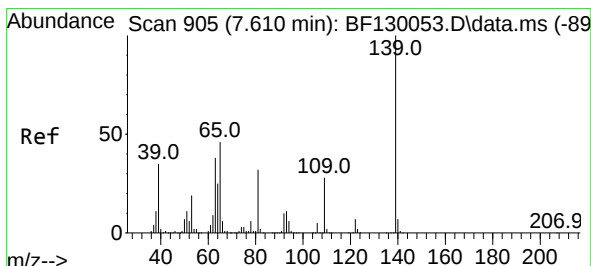
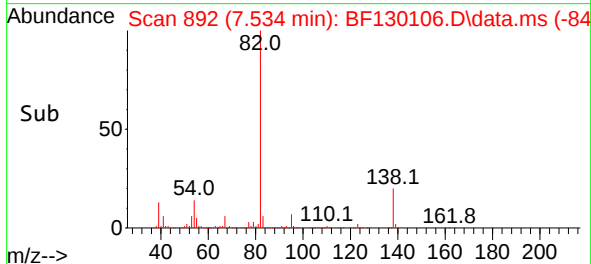
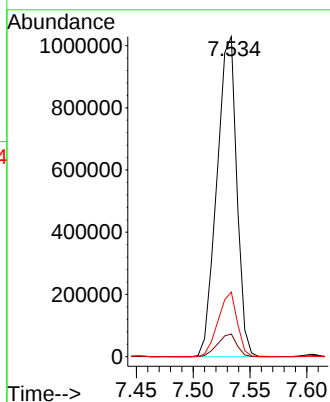
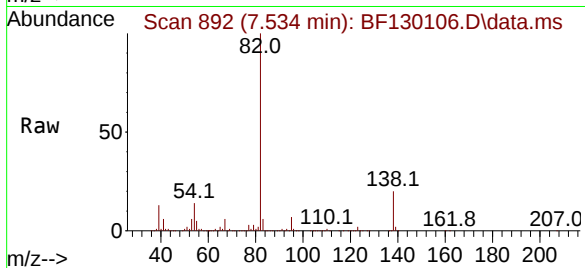




#25  
Isophorone  
Concen: 47.912 ng  
RT: 7.534 min Scan# 893  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

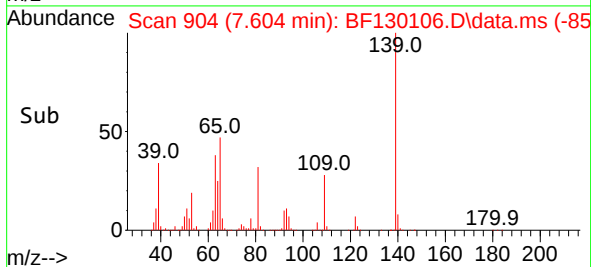
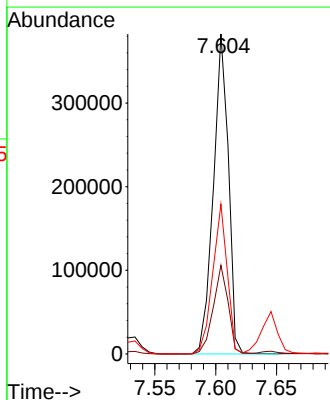
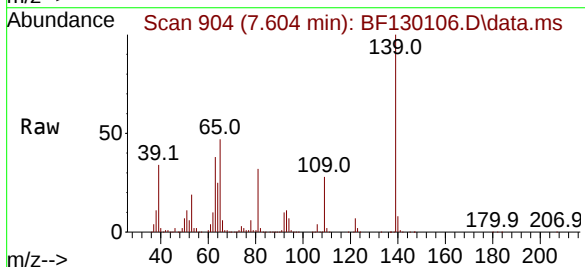
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

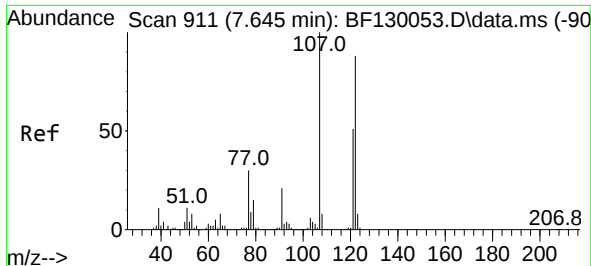
Tgt Ion: 82 Resp: 1254134  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.9 8.9  
138 20.2 14.6 21.8



#26  
2-Nitrophenol  
Concen: 50.719 ng  
RT: 7.604 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 139 Resp: 329086  
Ion Ratio Lower Upper  
139 100  
109 27.7 24.4 36.6  
65 46.8 40.9 61.3





#27

2,4-Dimethylphenol

Concen: 46.838 ng

RT: 7.645 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF130106.D

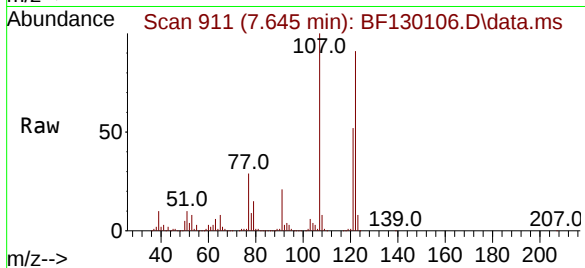
Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS



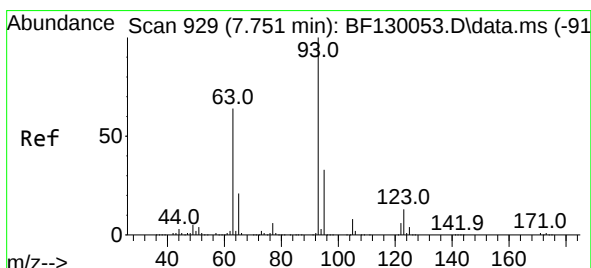
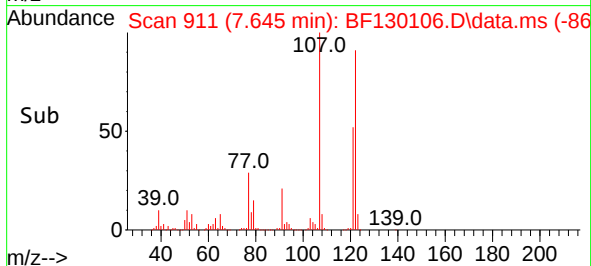
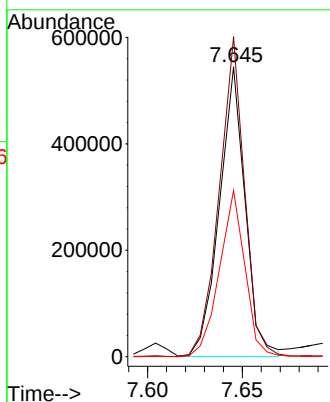
Tgt Ion:122 Resp: 514442

Ion Ratio Lower Upper

122 100

107 110.4 92.2 138.4

121 57.3 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 50.853 ng

RT: 7.745 min Scan# 928

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

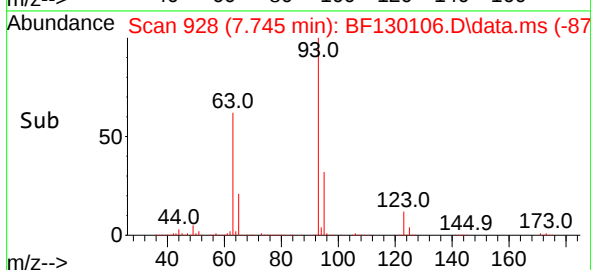
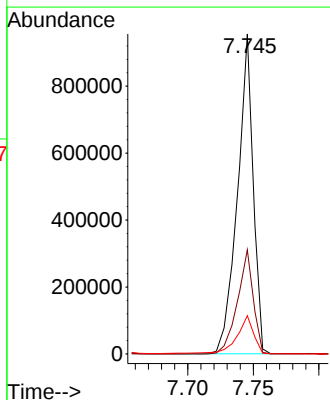
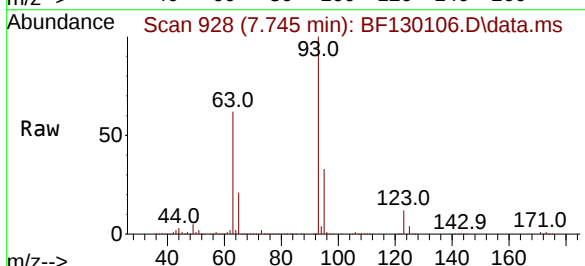
Tgt Ion: 93 Resp: 799596

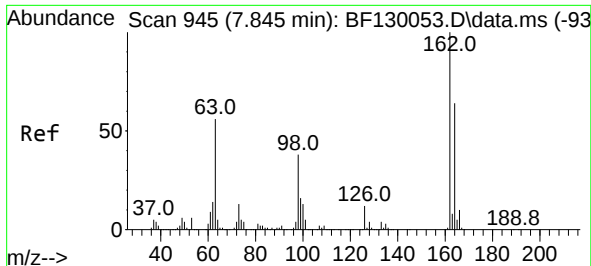
Ion Ratio Lower Upper

93 100

95 32.6 25.6 38.4

123 12.0 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 43.522 ng

RT: 7.845 min Scan# 945

Delta R.T. 0.000 min

Lab File: BF130106.D

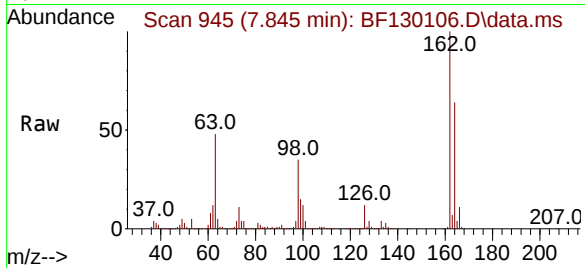
Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS



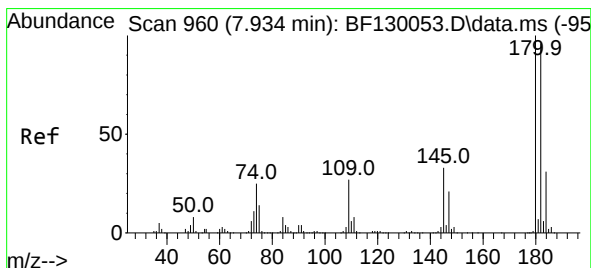
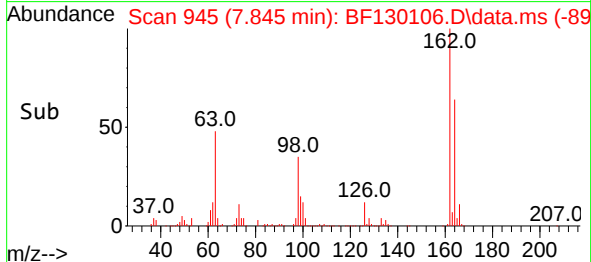
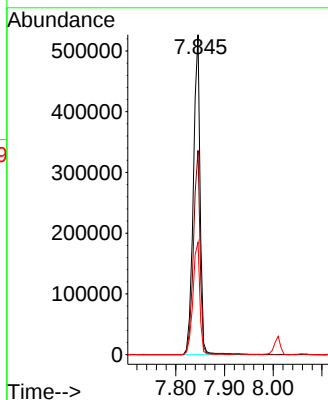
Tgt Ion:162 Resp: 511317

Ion Ratio Lower Upper

162 100

164 63.8 43.7 83.7

98 35.1 16.5 56.5



#30

1,2,4-Trichlorobenzene

Concen: 41.911 ng

RT: 7.928 min Scan# 959

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

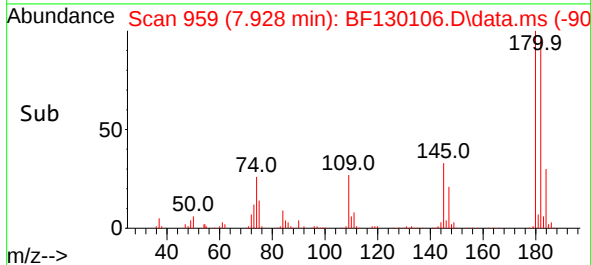
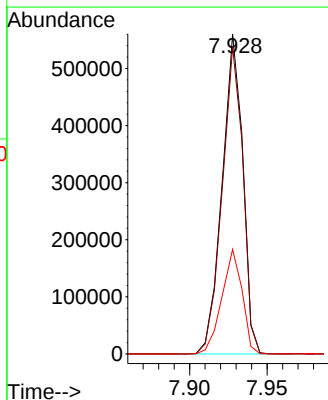
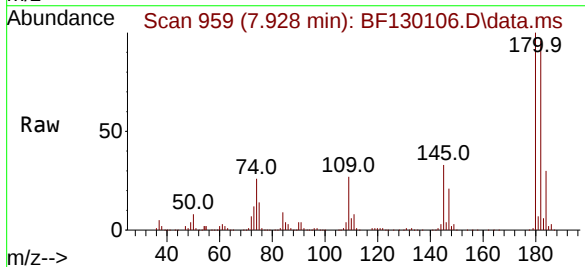
Tgt Ion:180 Resp: 519179

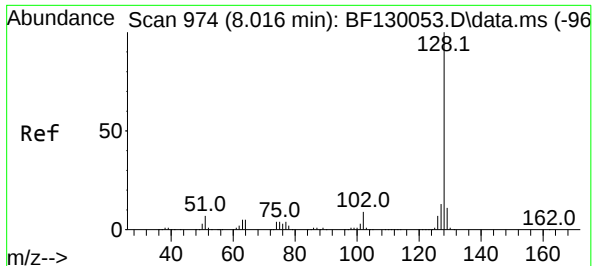
Ion Ratio Lower Upper

180 100

182 96.1 77.6 116.4

145 32.7 25.6 38.4

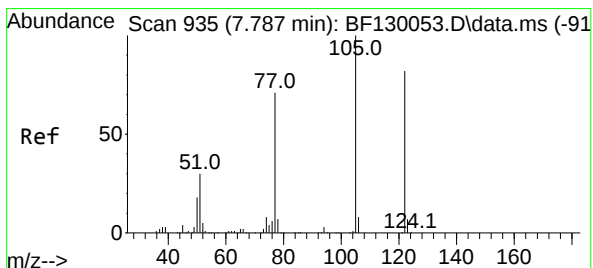
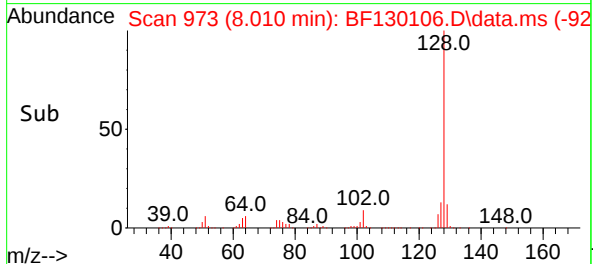
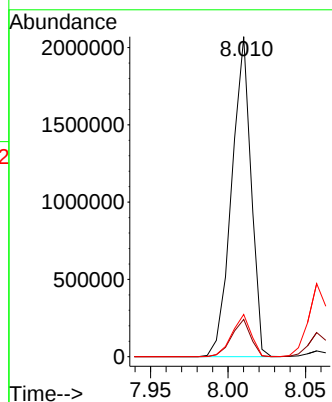
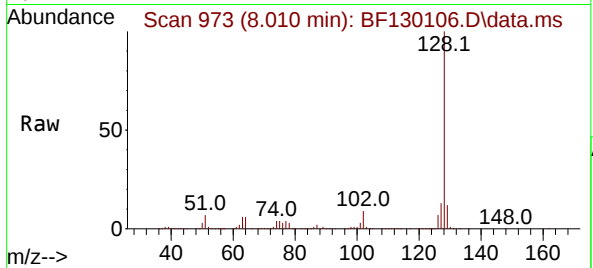




#31  
Naphthalene  
Concen: 42.925 ng  
RT: 8.010 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

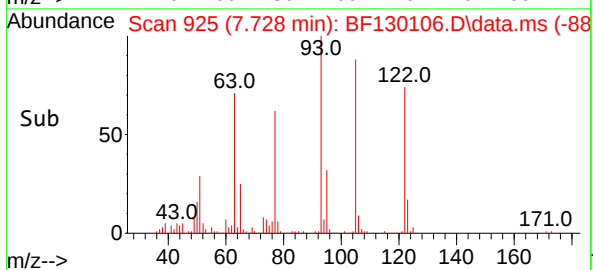
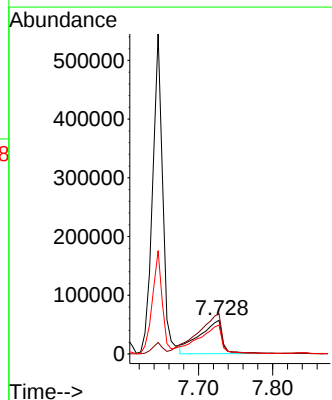
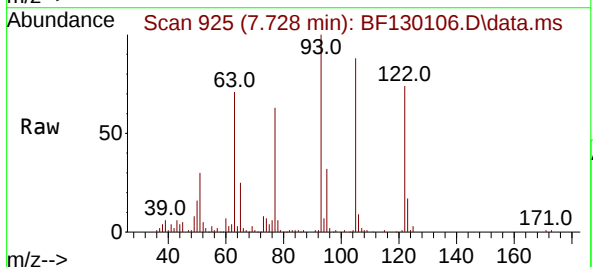
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

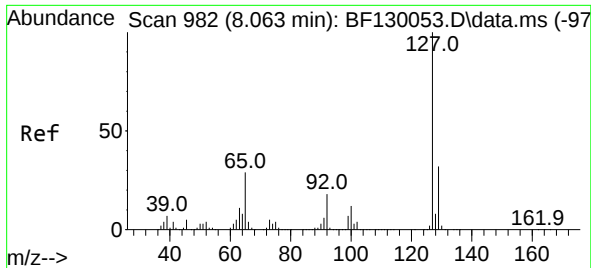
Tgt Ion:128 Resp: 1799362  
Ion Ratio Lower Upper  
128 100  
129 11.7 8.9 13.3  
127 13.2 10.7 16.1



#32  
Benzoic acid  
Concen: 18.417 ng  
RT: 7.728 min Scan# 925  
Delta R.T. -0.059 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:122 Resp: 123077  
Ion Ratio Lower Upper  
122 100  
105 119.0 99.9 139.9  
77 85.5 65.9 105.9

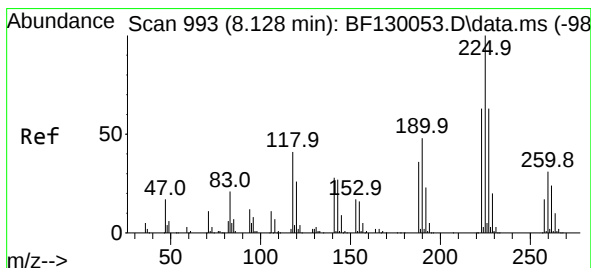
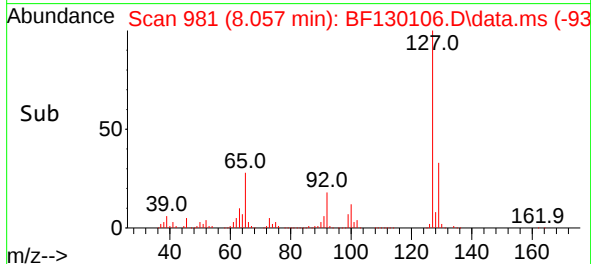
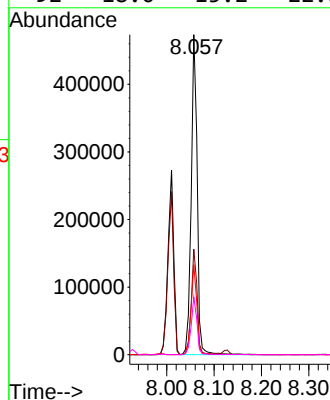
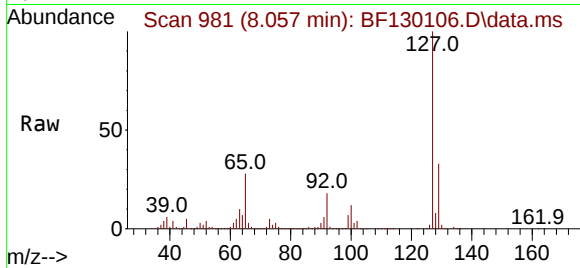




#33  
4-Chloroaniline  
Concen: 24.573 ng  
RT: 8.057 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

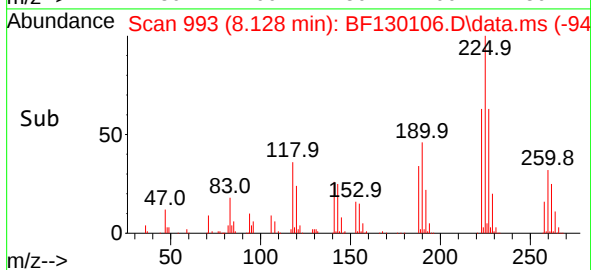
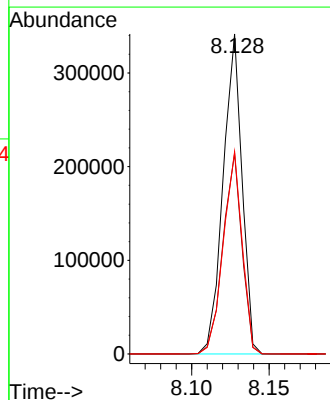
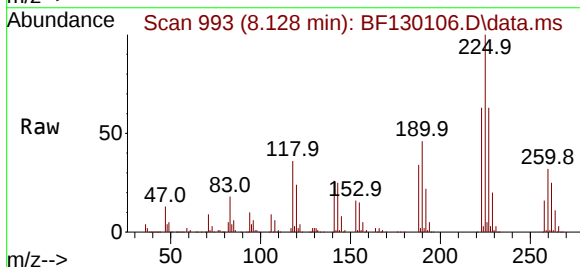
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 416165 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.0  | 26.7  | 40.1   |
| 65       | 28.1  | 24.2  | 36.2   |
| 92       | 18.0  | 15.2  | 22.8   |



#34  
Hexachlorobutadiene  
Concen: 40.865 ng  
RT: 8.128 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 289919 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.7  | 50.2  | 75.2   |
| 227      | 63.3  | 50.6  | 75.8   |

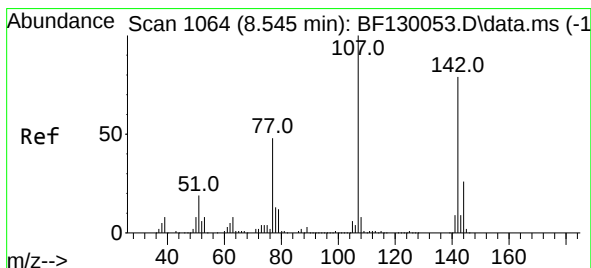
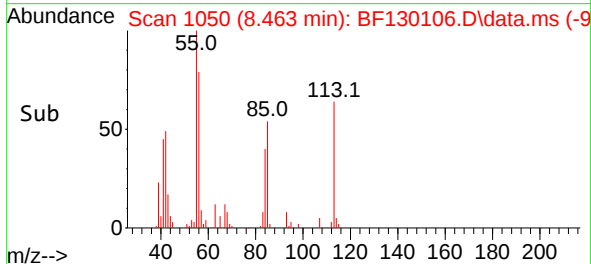
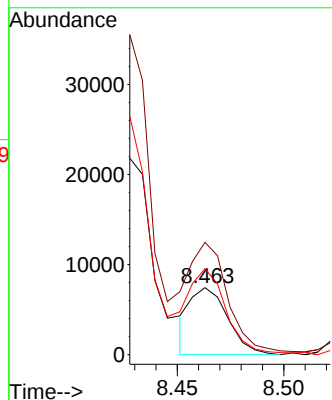
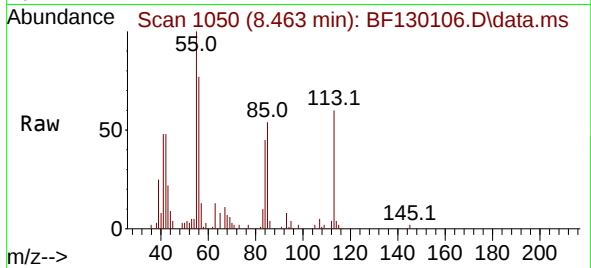




#35  
Caprolactam  
Concen: 2.511 ng  
RT: 8.463 min Scan# 1048  
Delta R.T. 0.012 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

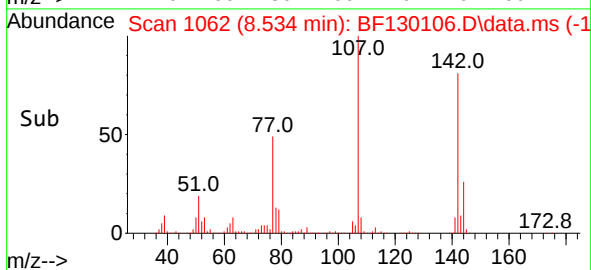
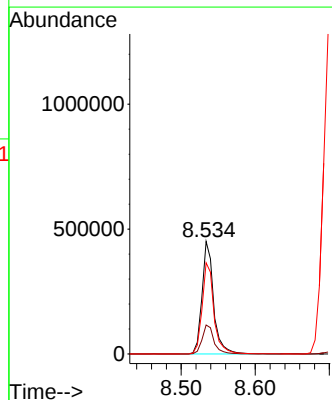
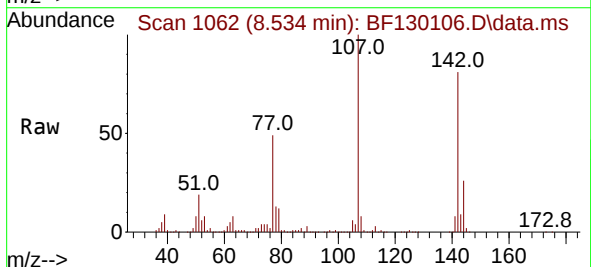
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

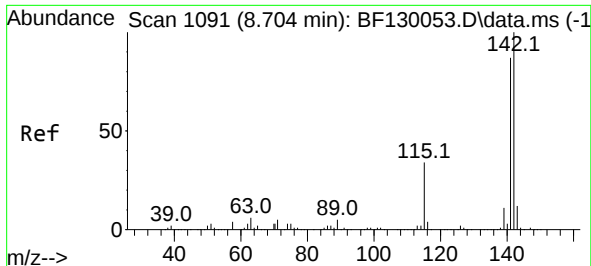
Tgt Ion:113 Resp: 9142  
Ion Ratio Lower Upper  
113 100  
55 167.3 148.8 188.8  
56 128.1 109.1 149.1



#36  
4-Chloro-3-methylphenol  
Concen: 41.088 ng  
RT: 8.534 min Scan# 1062  
Delta R.T. -0.012 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:107 Resp: 488463  
Ion Ratio Lower Upper  
107 100  
144 25.8 19.9 29.9  
142 81.0 60.2 90.4





#37

2-Methylnaphthalene

Concen: 44.717 ng

RT: 8.698 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

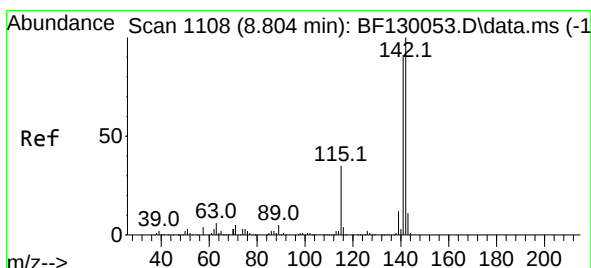
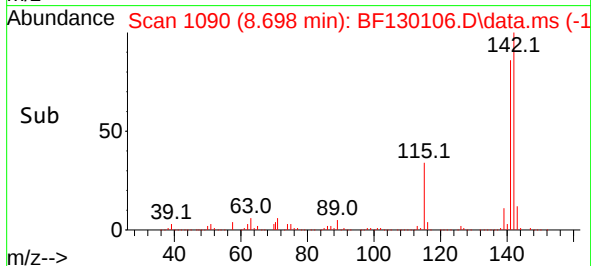
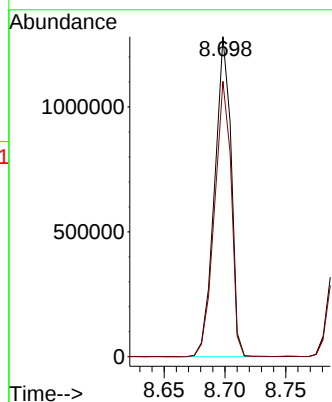
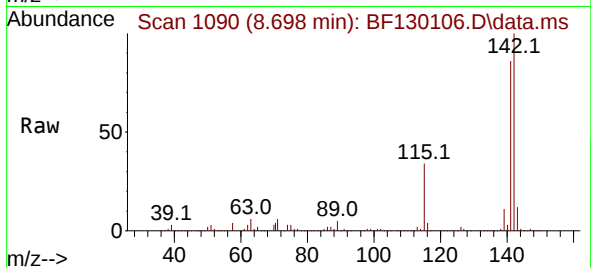
XRDS-RECYCLED-SAND-SP-A-COMPMS

Tgt Ion:142 Resp: 1207484

Ion Ratio Lower Upper

142 100

141 86.1 70.9 106.3



#38

1-Methylnaphthalene

Concen: 43.773 ng

RT: 8.798 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF130106.D

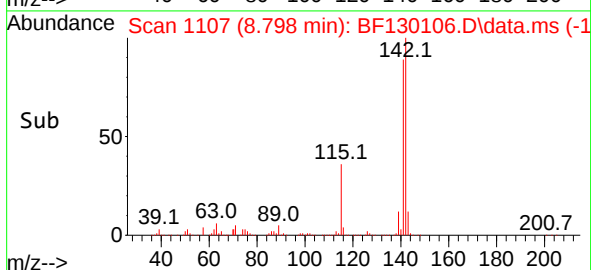
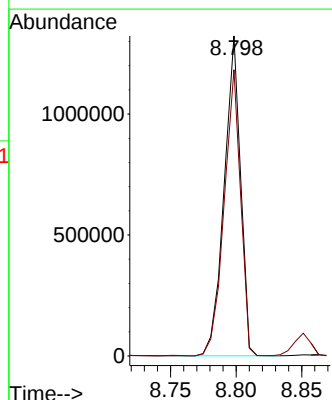
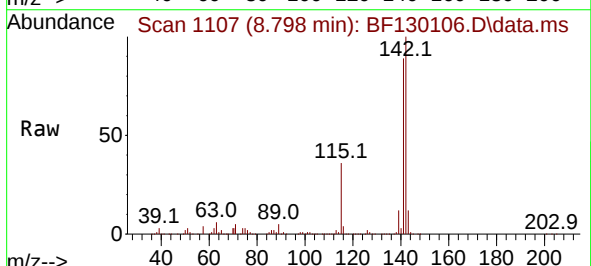
Acq: 02 Sep 2022 12:28

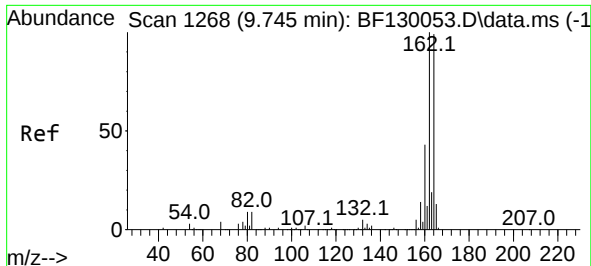
Tgt Ion:142 Resp: 1148896

Ion Ratio Lower Upper

142 100

141 89.5 73.5 110.3

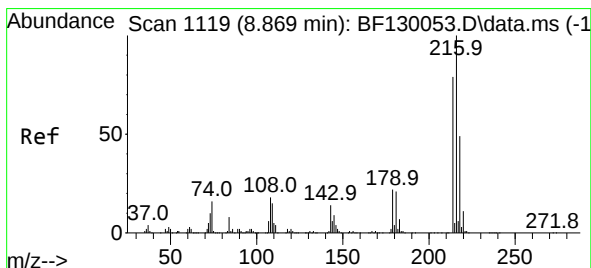
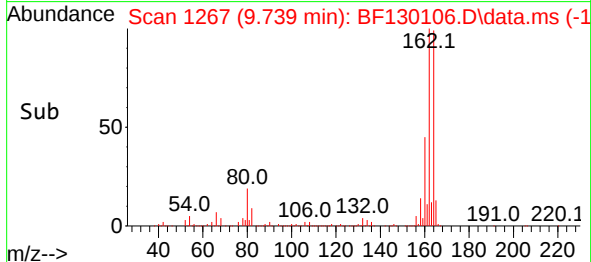
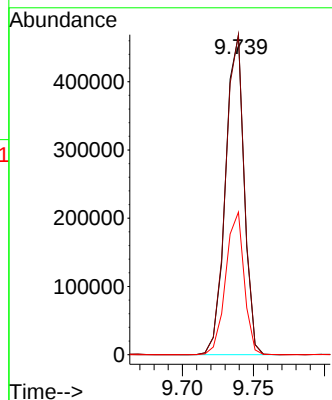
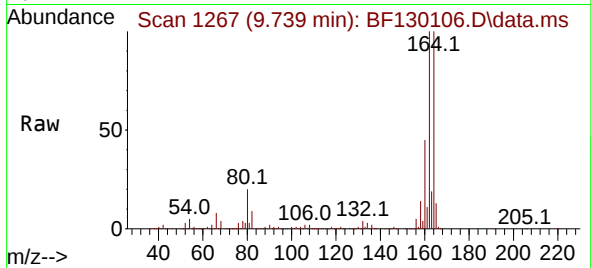




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.739 min Scan# 1118  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

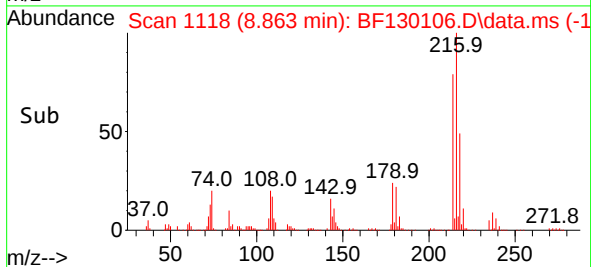
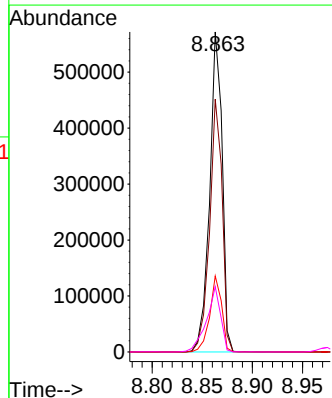
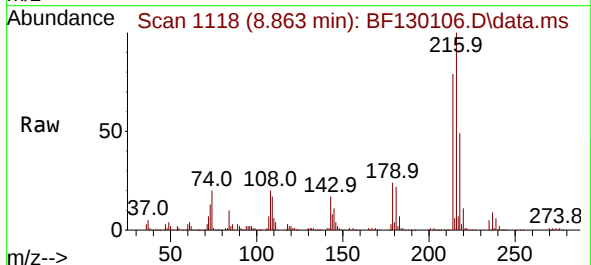
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

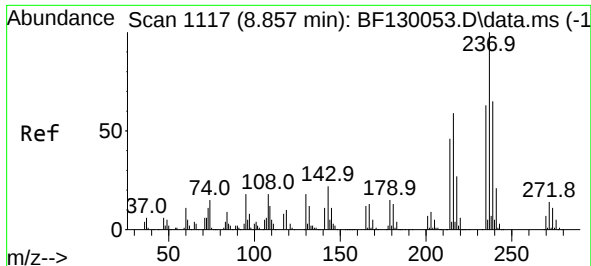
Tgt Ion:164 Resp: 426563  
Ion Ratio Lower Upper  
164 100  
162 100.2 82.0 123.0  
160 44.6 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.737 ng  
RT: 8.863 min Scan# 1118  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:216 Resp: 497618  
Ion Ratio Lower Upper  
216 100  
214 79.1 63.1 94.7  
179 22.8 18.1 27.1  
108 23.1 15.9 23.9

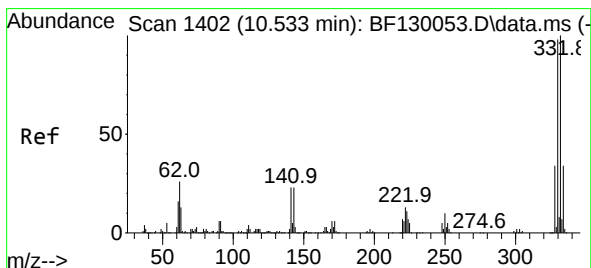
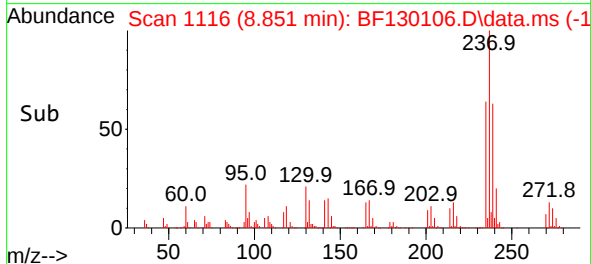
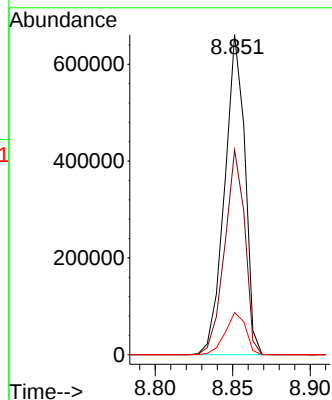
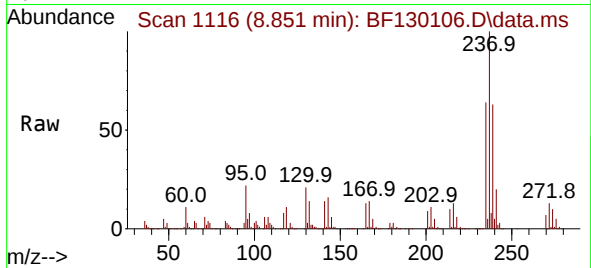




#41  
Hexachlorocyclopentadiene  
Concen: 103.469 ng  
RT: 8.851 min Scan# 1116  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

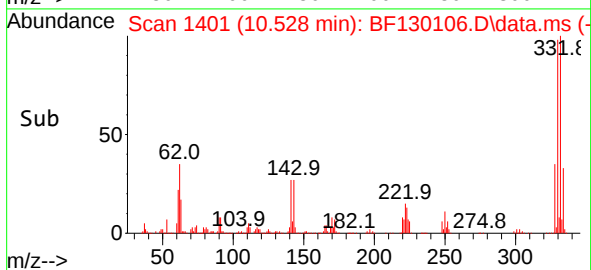
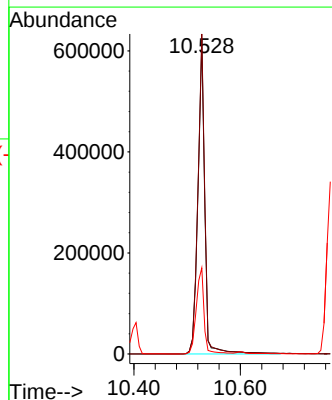
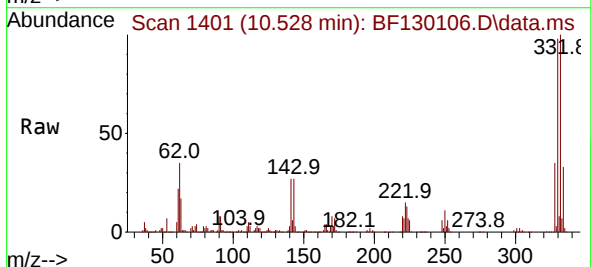
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

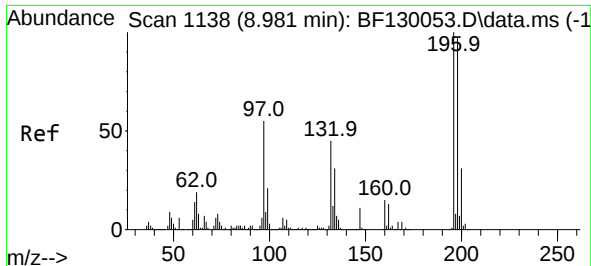
Tgt Ion:237 Resp: 601474  
Ion Ratio Lower Upper  
237 100  
235 64.0 41.5 81.5  
272 13.2 0.0 33.3



#42  
2,4,6-Tribromophenol  
Concen: 143.850 ng  
RT: 10.528 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:330 Resp: 558557  
Ion Ratio Lower Upper  
330 100  
332 103.1 82.6 124.0  
141 31.0 27.6 41.4

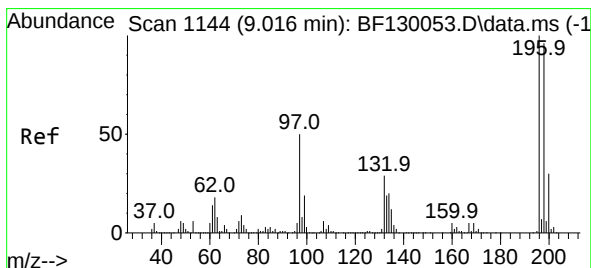
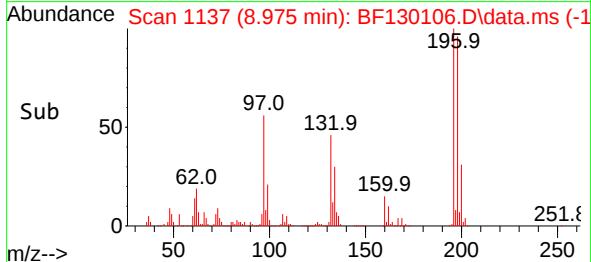
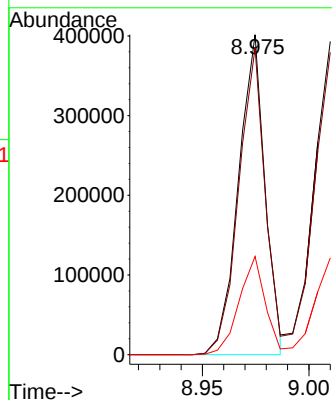
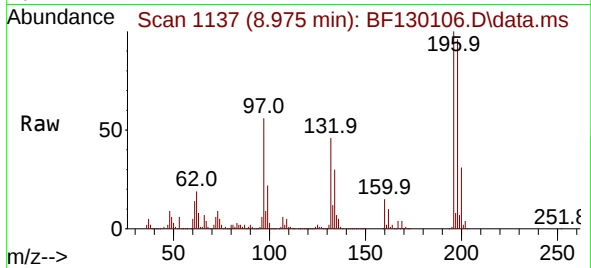




#43  
2,4,6-Trichlorophenol  
Concen: 43.853 ng  
RT: 8.975 min Scan# 1137  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

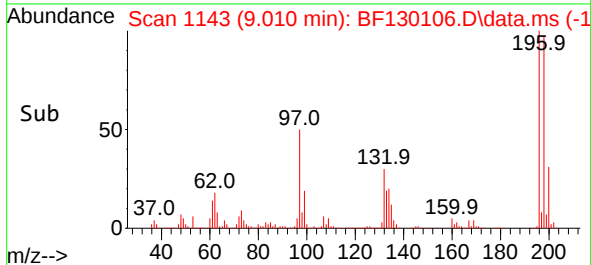
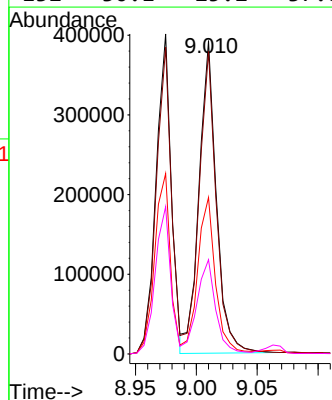
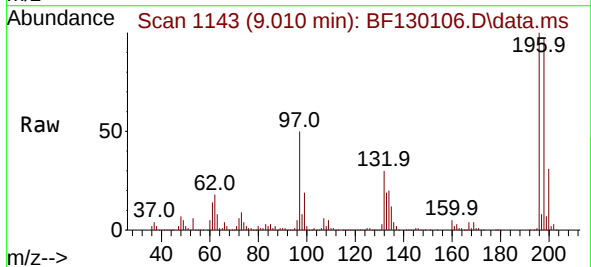
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

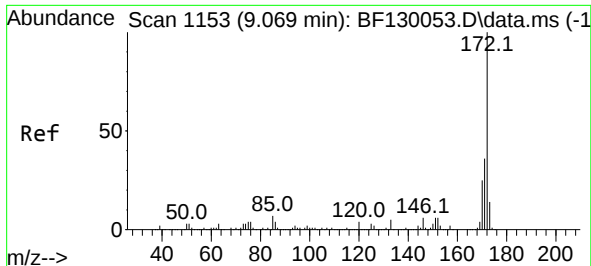
Tgt Ion:196 Resp: 348181  
Ion Ratio Lower Upper  
196 100  
198 95.9 79.0 118.4  
200 30.7 25.1 37.7



#44  
2,4,5-Trichlorophenol  
Concen: 45.164 ng  
RT: 9.010 min Scan# 1143  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:196 Resp: 388665  
Ion Ratio Lower Upper  
196 100  
198 96.5 76.4 114.6  
97 50.0 46.5 69.7  
132 30.1 25.2 37.8

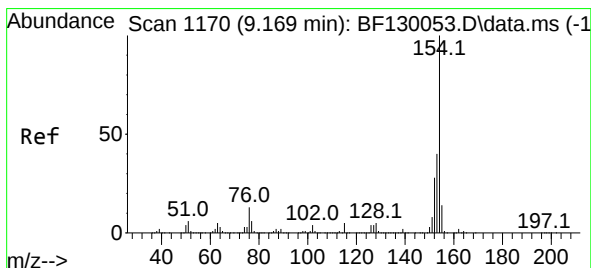
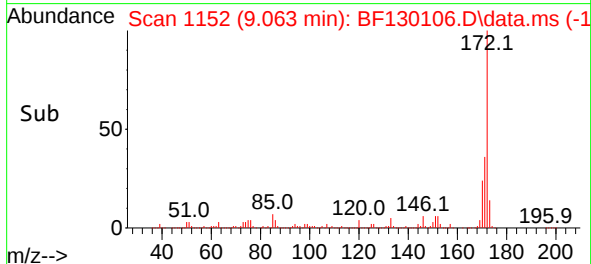
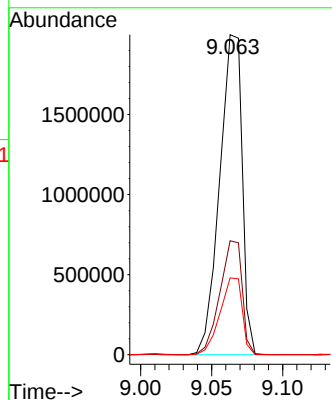
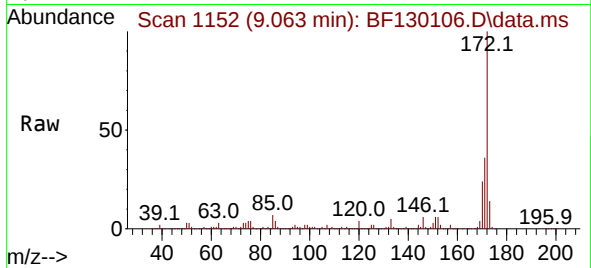




#45  
2-Fluorobiphenyl  
Concen: 85.565 ng  
RT: 9.063 min Scan# 1153  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

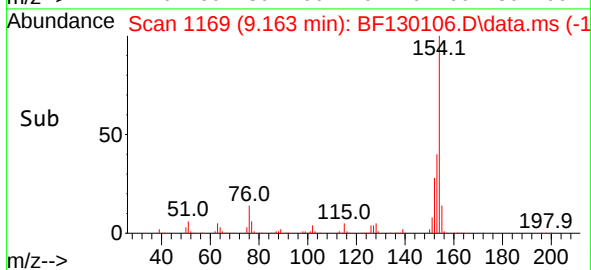
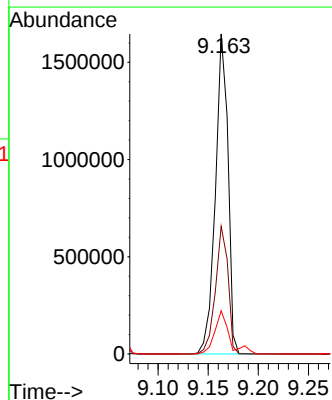
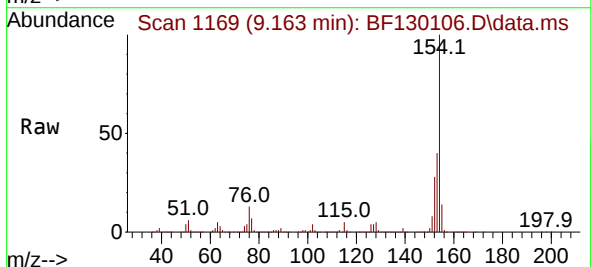
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

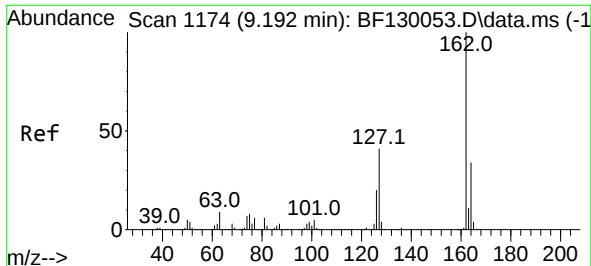
Tgt Ion:172 Resp: 2201425  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.4 42.6  
170 24.0 19.1 28.7



#46  
1,1'-Biphenyl  
Concen: 46.379 ng  
RT: 9.163 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:154 Resp: 1437286  
Ion Ratio Lower Upper  
154 100  
153 39.9 20.2 60.2  
76 13.5 0.0 32.1

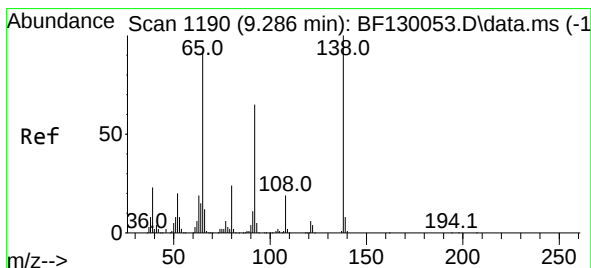
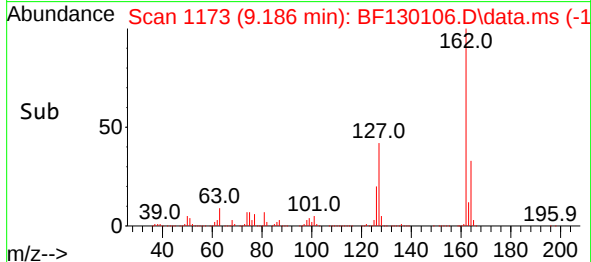
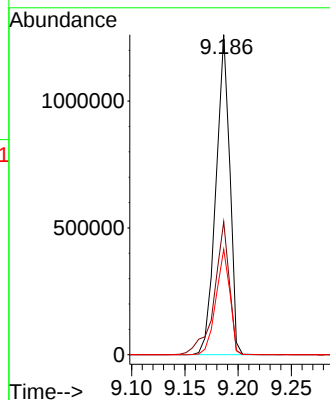
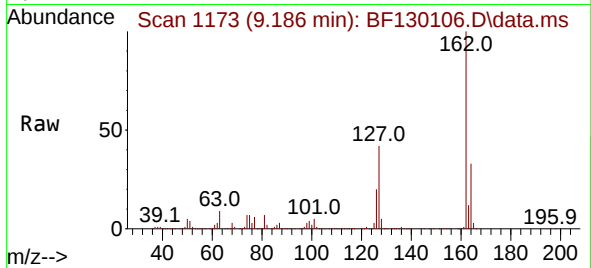




#47  
2-Chloronaphthalene  
Concen: 45.588 ng  
RT: 9.186 min Scan# 1173  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

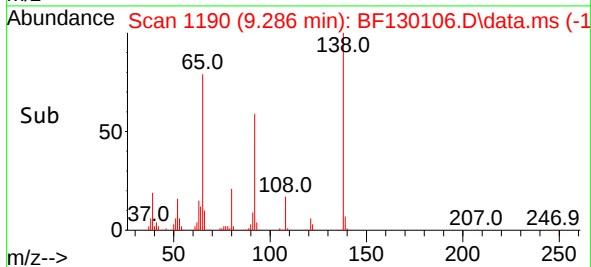
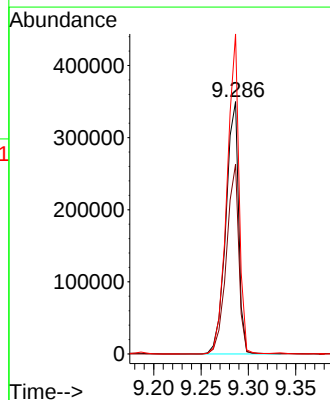
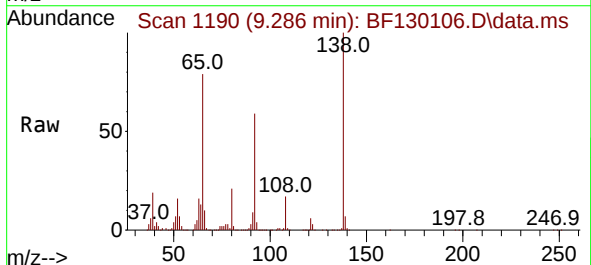
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

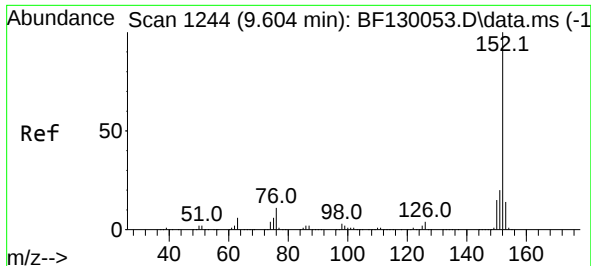
Tgt Ion:162 Resp: 1131956  
Ion Ratio Lower Upper  
162 100  
127 41.5 33.1 49.7  
164 32.9 26.7 40.1



#48  
2-Nitroaniline  
Concen: 53.865 ng  
RT: 9.286 min Scan# 1190  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 65 Resp: 329589  
Ion Ratio Lower Upper  
65 100  
92 75.2 55.0 82.4  
138 126.8 81.3 121.9#

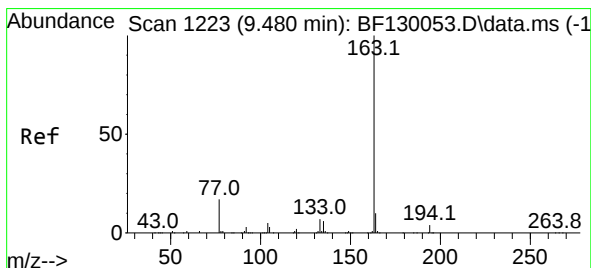
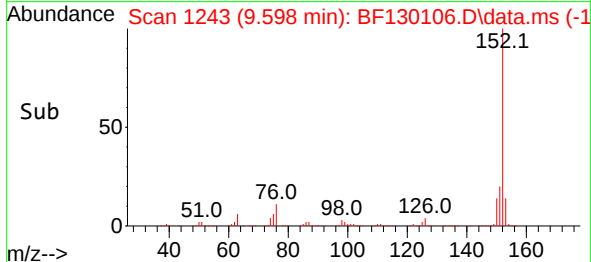
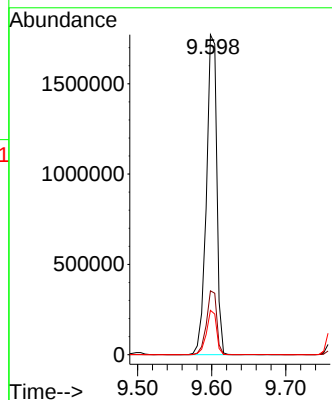
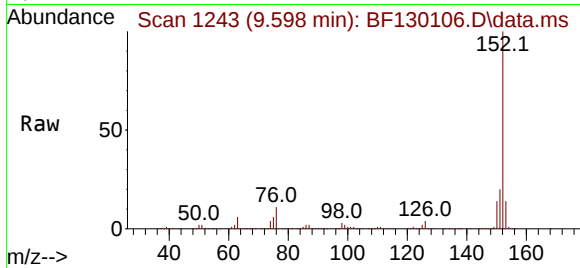




#49  
Acenaphthylene  
Concen: 45.878 ng  
RT: 9.598 min Scan# 1243  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

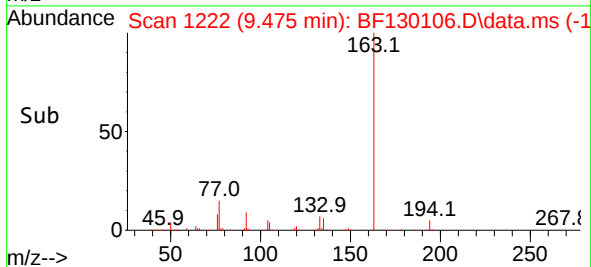
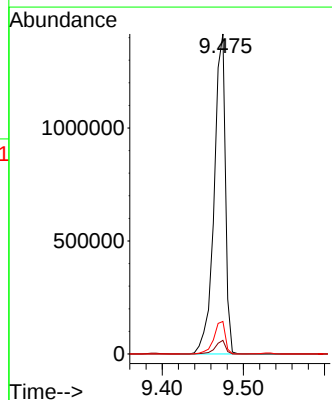
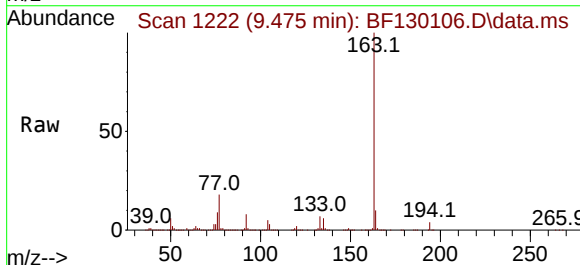
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

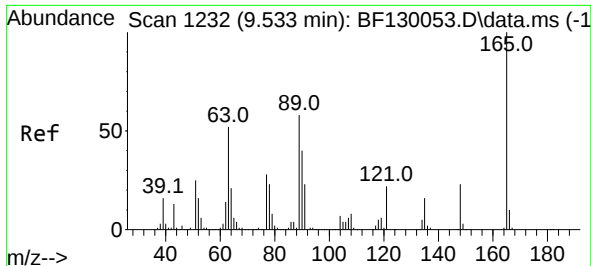
Tgt Ion:152 Resp: 1729860  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.1 24.1  
153 13.8 10.6 16.0



#50  
Dimethylphthalate  
Concen: 46.753 ng  
RT: 9.475 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:163 Resp: 1358362  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 53.734 ng

RT: 9.528 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

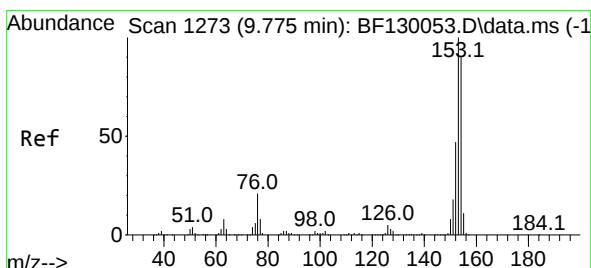
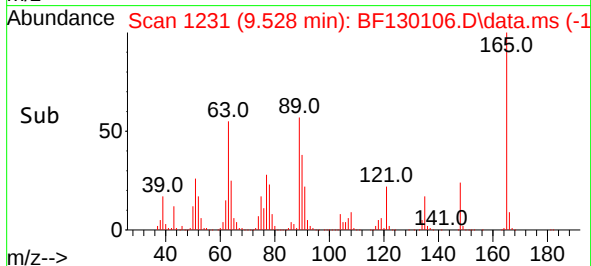
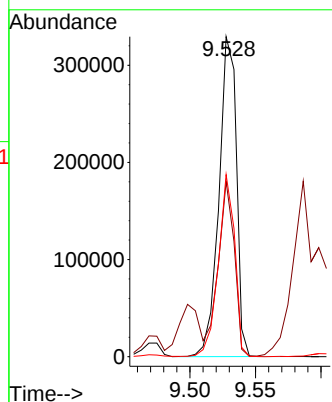
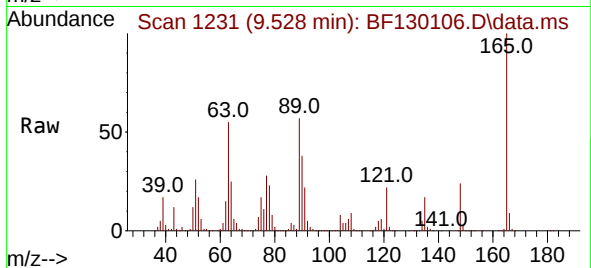
Tgt Ion:165 Resp: 304382

Ion Ratio Lower Upper

165 100

63 54.7 47.8 71.8

89 56.9 47.2 70.8



#52

Acenaphthene

Concen: 44.560 ng

RT: 9.775 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

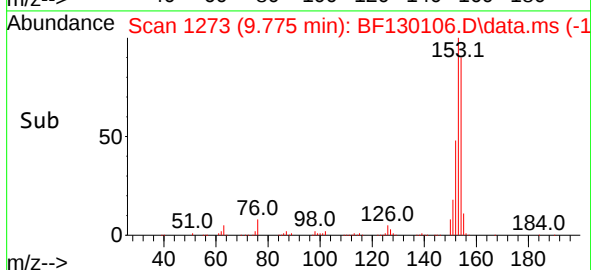
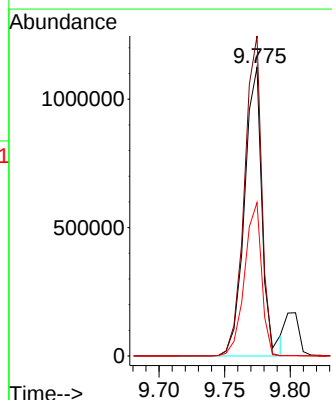
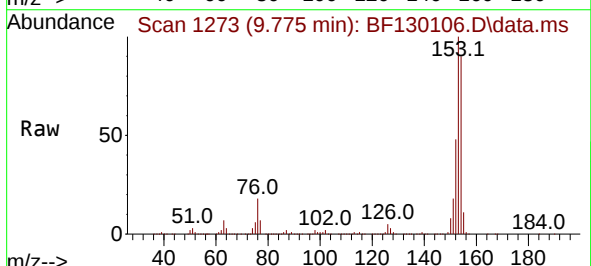
Tgt Ion:154 Resp: 1058869

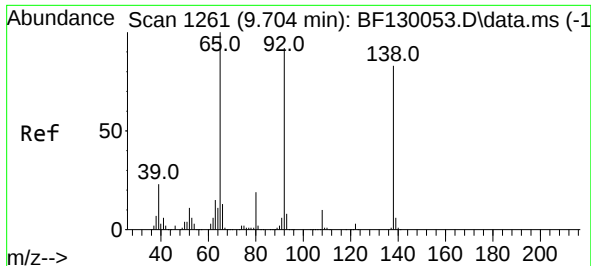
Ion Ratio Lower Upper

154 100

153 110.9 89.8 134.6

152 53.2 42.1 63.1

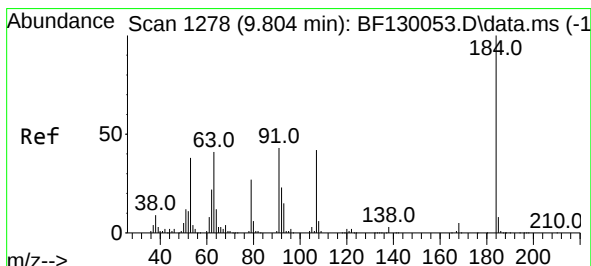
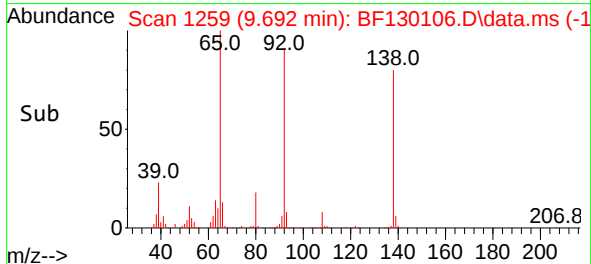
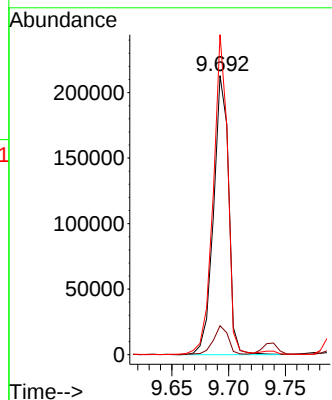
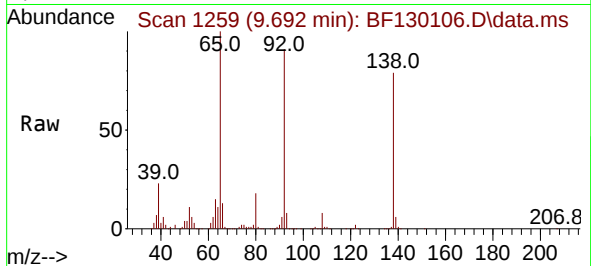




#53  
3-Nitroaniline  
Concen: 30.294 ng  
RT: 9.692 min Scan# 1259  
Delta R.T. -0.012 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

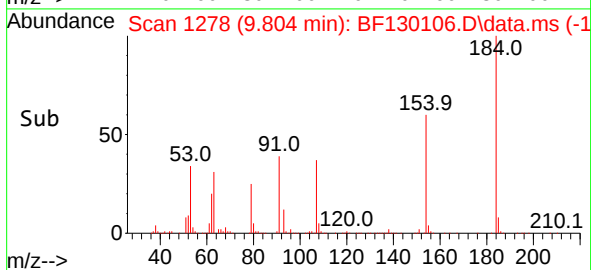
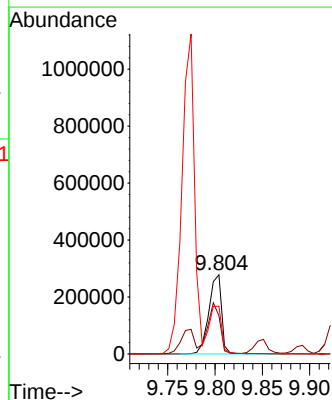
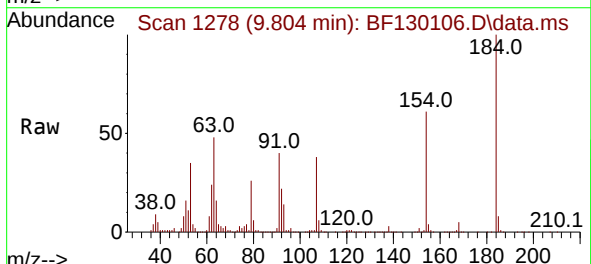
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

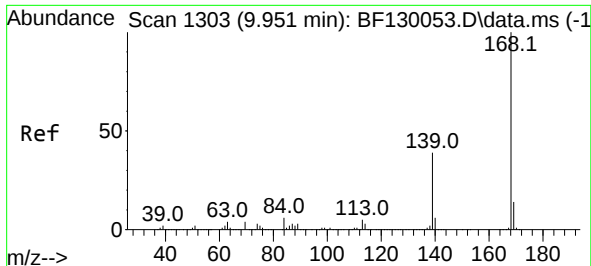
Tgt Ion:138 Resp: 196970  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.4 12.6  
92 114.7 89.8 134.8



#54  
2,4-Dinitrophenol  
Concen: 99.477 ng  
RT: 9.804 min Scan# 1278  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:184 Resp: 261465  
Ion Ratio Lower Upper  
184 100  
63 48.4 59.6 89.4#  
154 60.5 55.3 82.9





#55

Dibenzenofuran

Concen: 45.872 ng

RT: 9.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

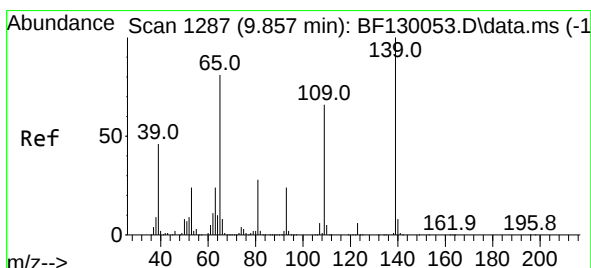
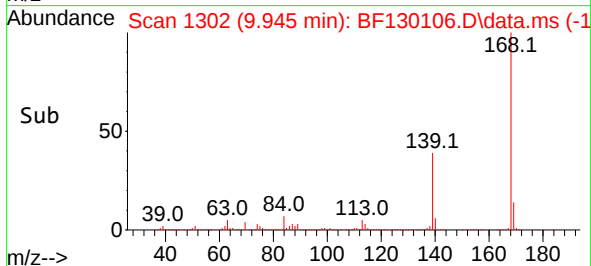
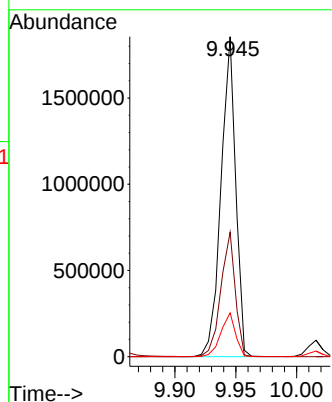
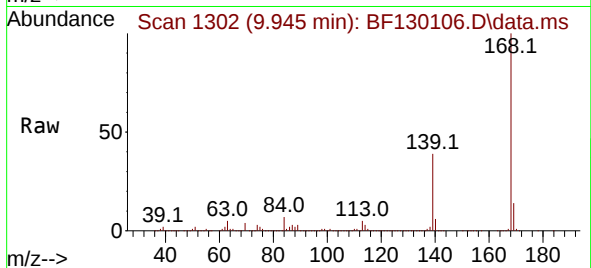
Tgt Ion:168 Resp: 1560898

Ion Ratio Lower Upper

168 100

139 38.9 31.3 46.9

169 13.7 10.7 16.1



#56

4-Nitrophenol

Concen: 38.441 ng

RT: 9.851 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

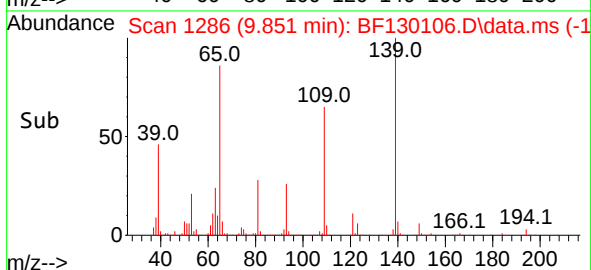
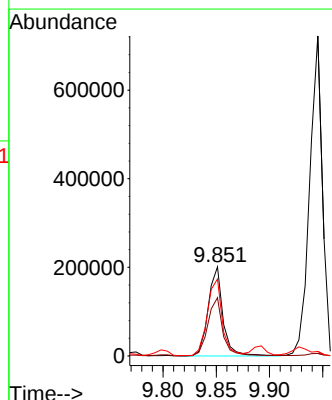
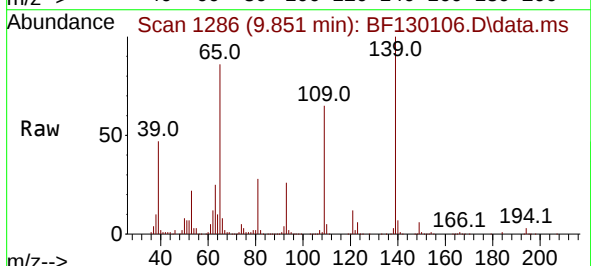
Tgt Ion:139 Resp: 192695

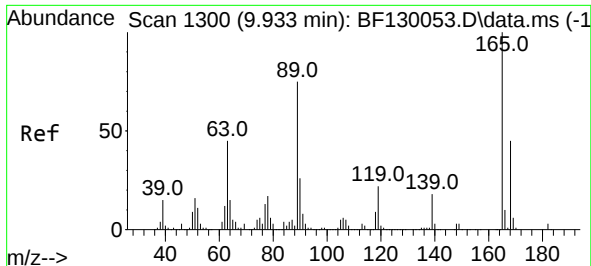
Ion Ratio Lower Upper

139 100

109 65.3 52.9 92.9

65 86.3 79.5 119.5

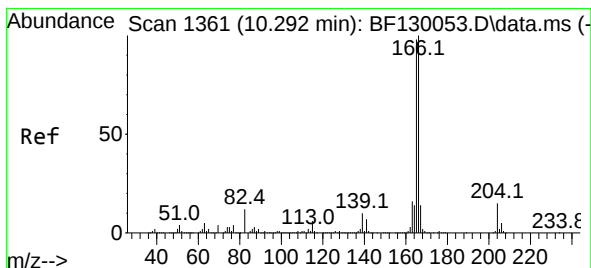
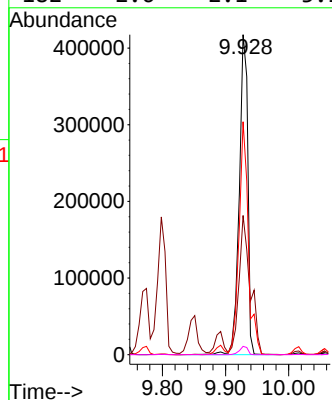
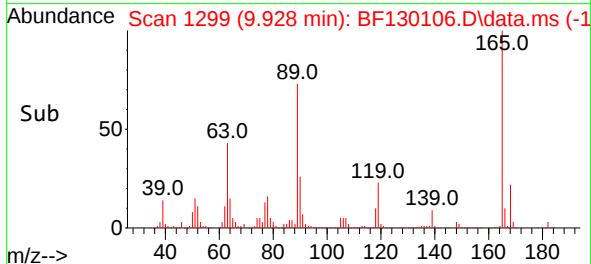
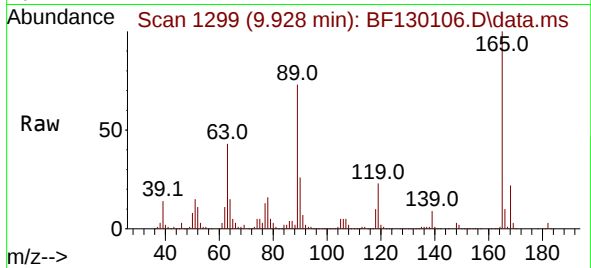




#57  
2,4-Dinitrotoluene  
Concen: 60.348 ng  
RT: 9.928 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

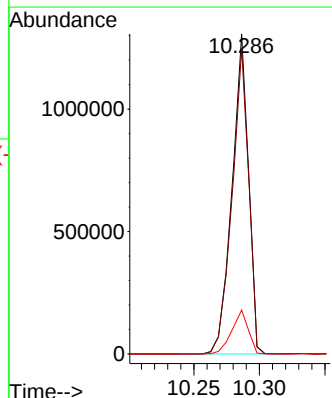
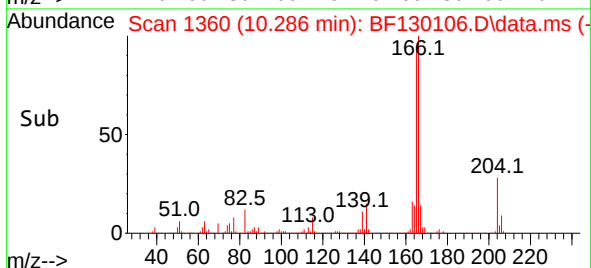
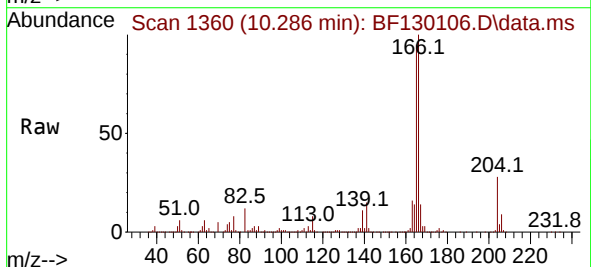
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

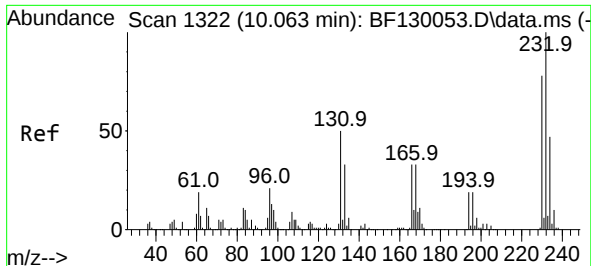
Tgt Ion:165 Resp: 393577  
Ion Ratio Lower Upper  
165 100  
63 43.5 48.4 72.6#  
89 72.8 62.3 93.5  
182 2.6 2.1 3.1



#58  
Fluorene  
Concen: 44.099 ng  
RT: 10.286 min Scan# 1360  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:166 Resp: 1141748  
Ion Ratio Lower Upper  
166 100  
165 95.5 77.9 116.9  
167 13.8 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.328 ng

RT: 10.057 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

Tgt Ion:232 Resp: 296282

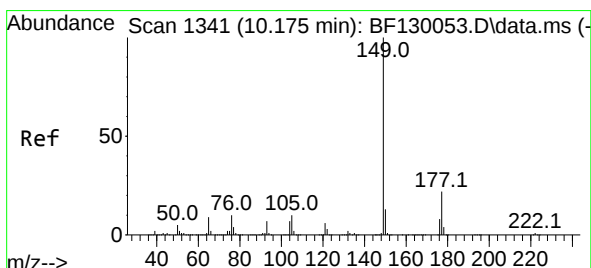
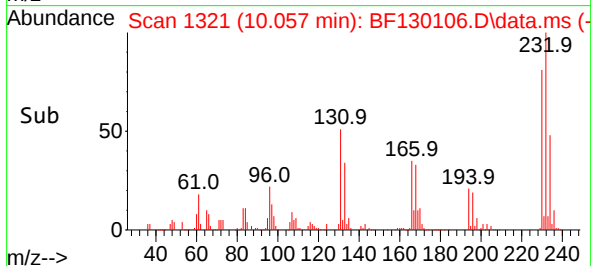
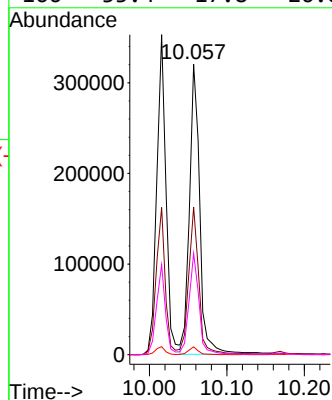
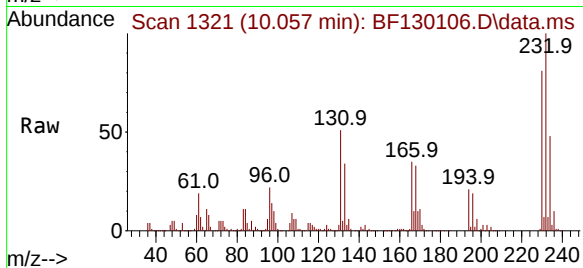
Ion Ratio Lower Upper

232 100

131 49.3 29.9 44.9#

130 2.6 1.5 2.3#

166 33.4 17.8 26.8#



#60

Diethylphthalate

Concen: 45.840 ng

RT: 10.169 min Scan# 1340

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

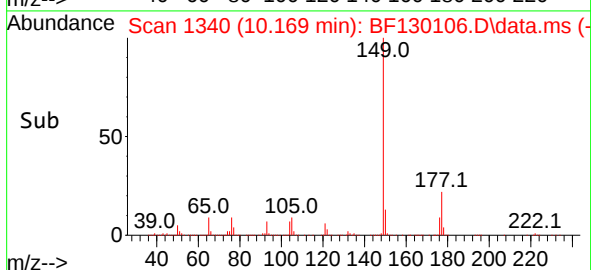
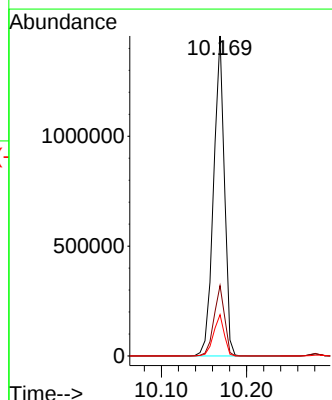
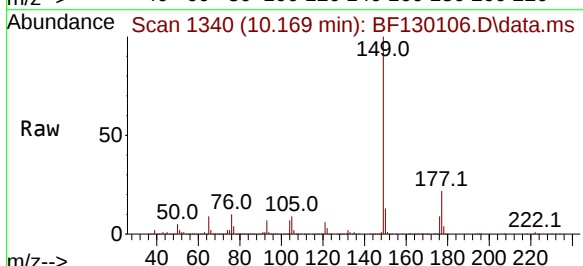
Tgt Ion:149 Resp: 1288460

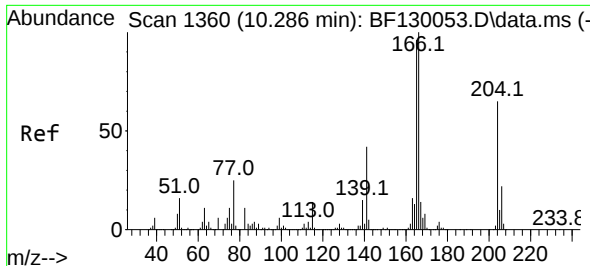
Ion Ratio Lower Upper

149 100

177 22.0 17.7 26.5

150 12.9 10.1 15.1





#61

4-Chlorophenyl-phenylether

Concen: 45.143 ng

RT: 10.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

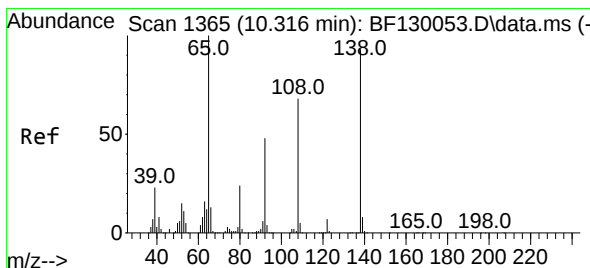
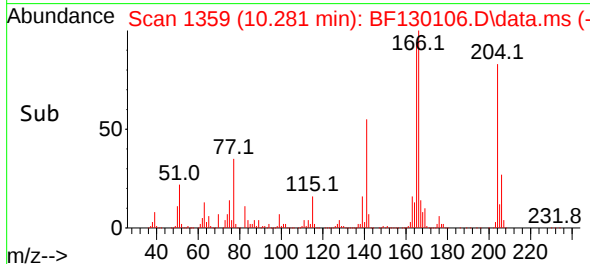
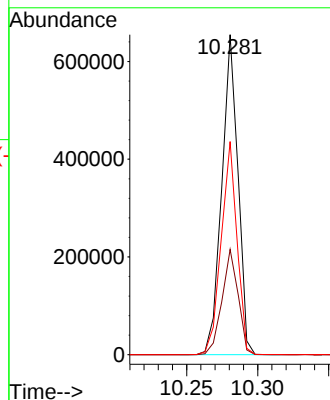
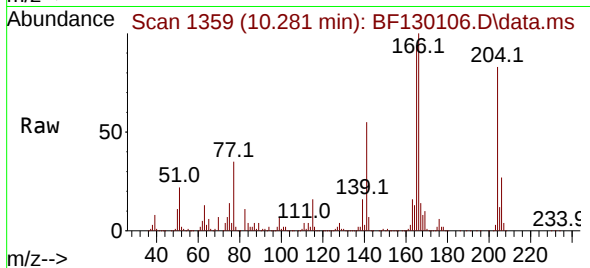
Tgt Ion:204 Resp: 516669

Ion Ratio Lower Upper

204 100

206 32.9 26.5 39.7

141 66.6 52.6 79.0



#62

4-Nitroaniline

Concen: 46.911 ng

RT: 10.310 min Scan# 1364

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

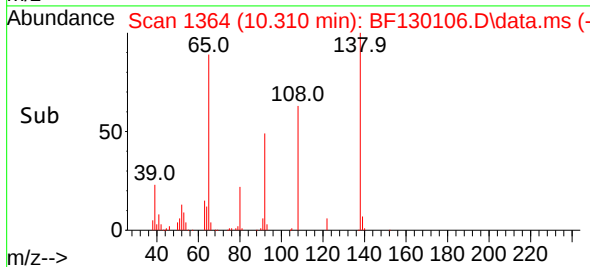
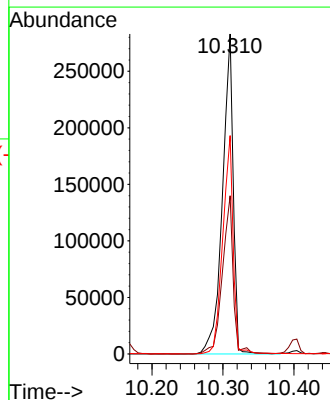
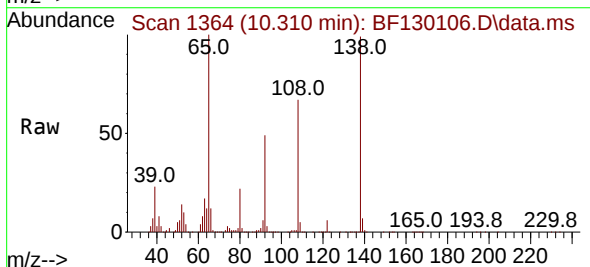
Tgt Ion:138 Resp: 296636

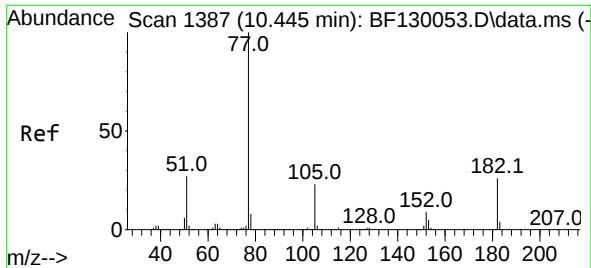
Ion Ratio Lower Upper

138 100

92 49.4 30.3 70.3

108 68.2 55.7 95.7

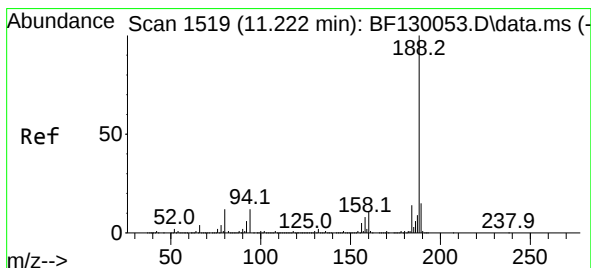
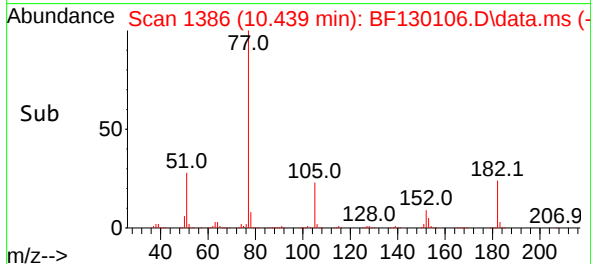
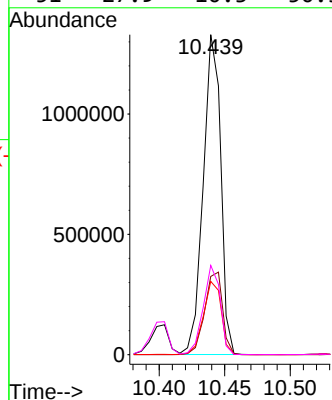
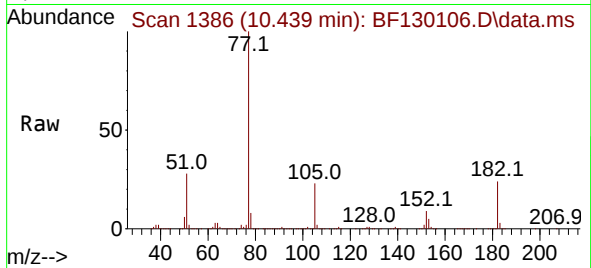




#63  
Azobenzene  
Concen: 44.671 ng  
RT: 10.439 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

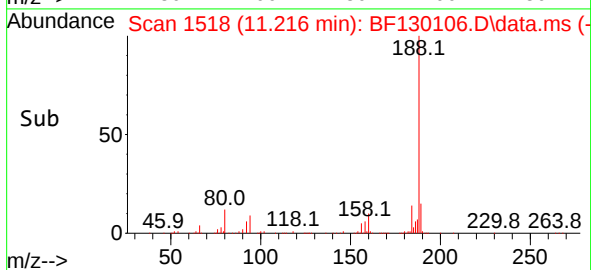
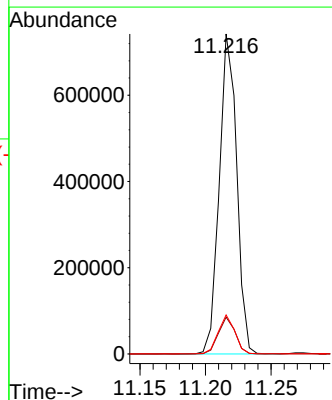
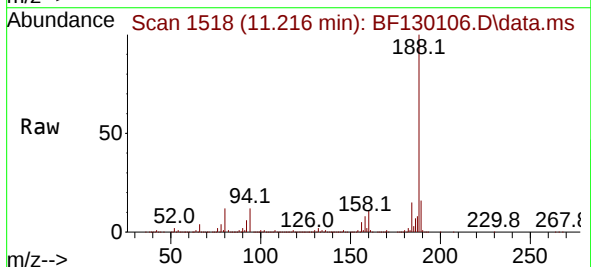
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

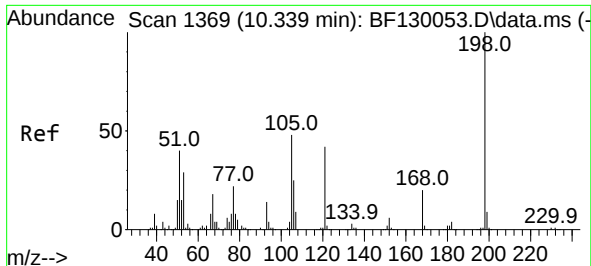
Tgt Ion: 77 Resp: 1236258  
Ion Ratio Lower Upper  
77 100  
182 24.4 2.2 42.2  
105 22.9 0.8 40.8  
51 27.9 10.3 50.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.216 min Scan# 1518  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion: 188 Resp: 684287  
Ion Ratio Lower Upper  
188 100  
94 11.5 7.4 11.2#  
80 12.2 7.9 11.9#





#65

4,6-Dinitro-2-methylphenol

Concen: 50.826 ng

RT: 10.333 min Scan# 1369

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

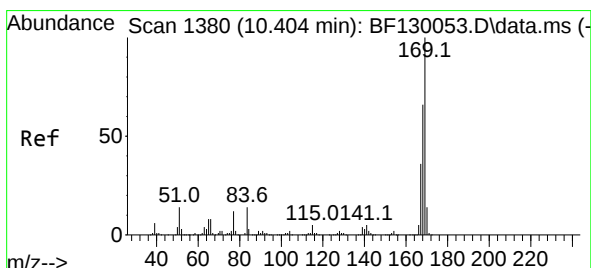
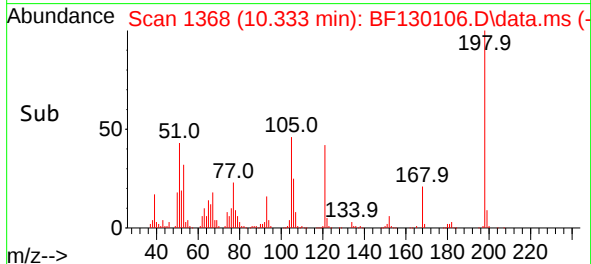
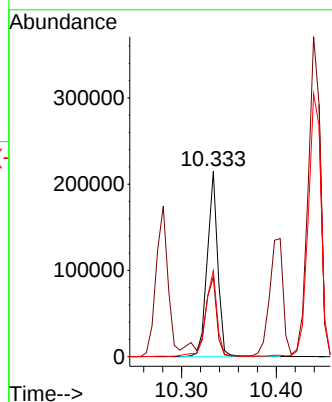
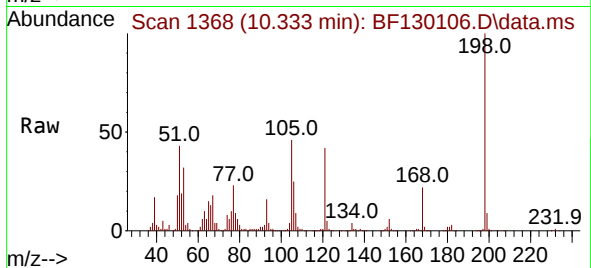
Tgt Ion:198 Resp: 165056

Ion Ratio Lower Upper

198 100

51 43.0 29.4 69.4

105 46.3 29.2 69.2



#66

n-Nitrosodiphenylamine

Concen: 46.572 ng

RT: 10.404 min Scan# 1380

Delta R.T. 0.000 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

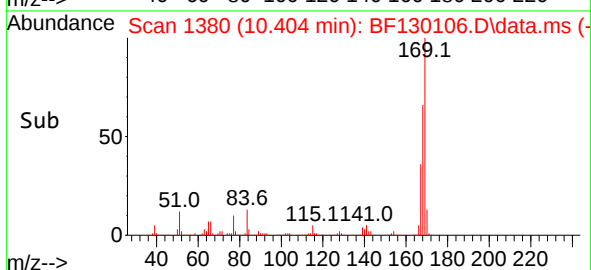
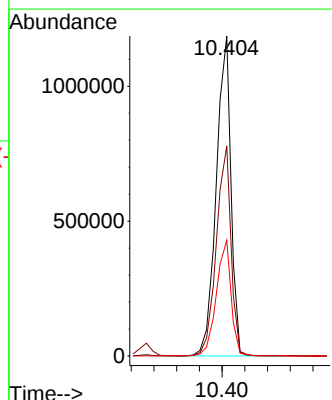
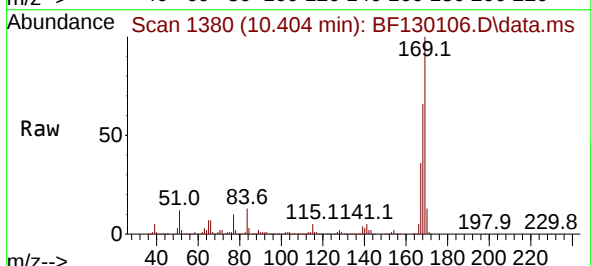
Tgt Ion:169 Resp: 1065349

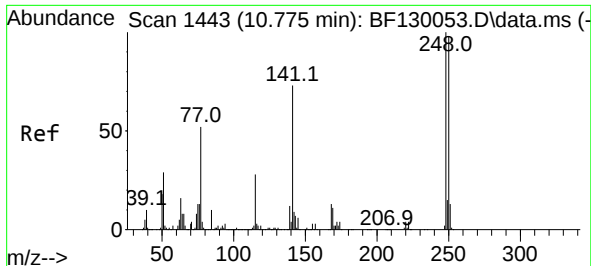
Ion Ratio Lower Upper

169 100

168 65.7 53.4 80.2

167 36.1 29.1 43.7

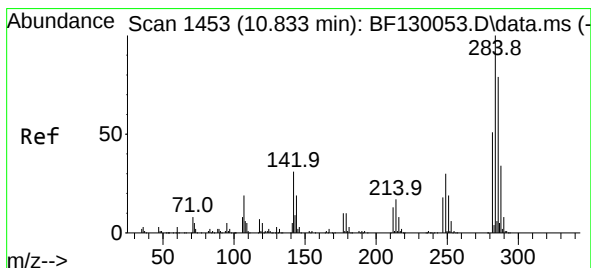
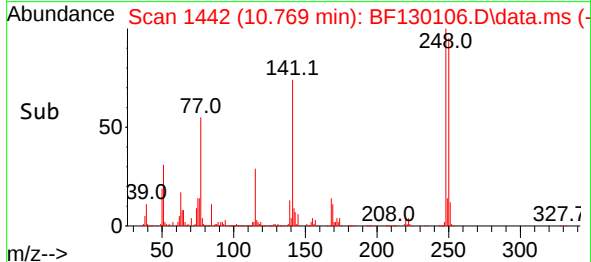
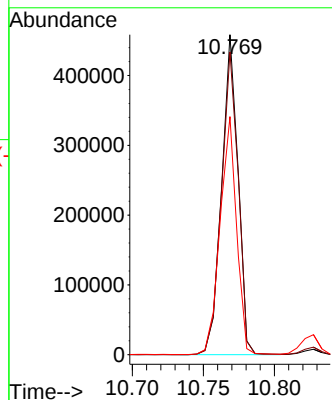
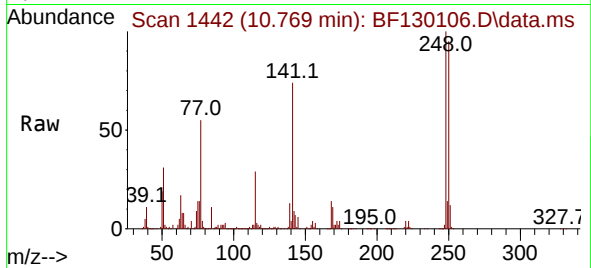




#67  
4-Bromophenyl-phenylether  
Concen: 48.251 ng  
RT: 10.769 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

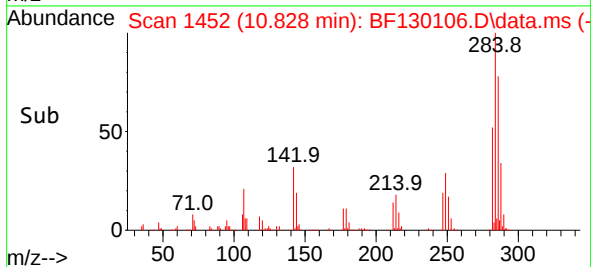
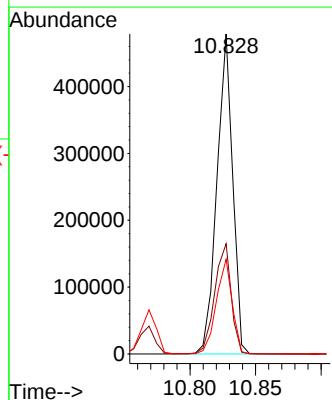
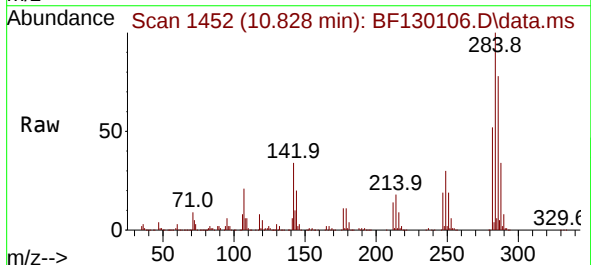
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

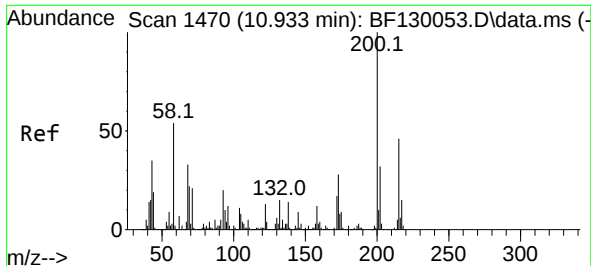
Tgt Ion:248 Resp: 367252  
Ion Ratio Lower Upper  
248 100  
250 94.6 77.8 116.6  
141 74.4 66.2 99.2



#68  
Hexachlorobenzene  
Concen: 48.074 ng  
RT: 10.828 min Scan# 1452  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:284 Resp: 398700  
Ion Ratio Lower Upper  
284 100  
142 34.4 31.4 47.0  
249 29.6 25.7 38.5

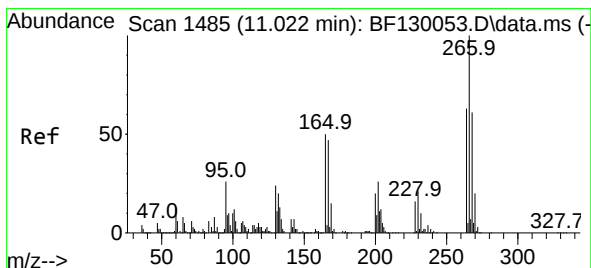
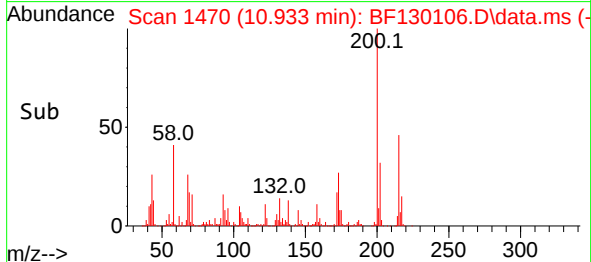
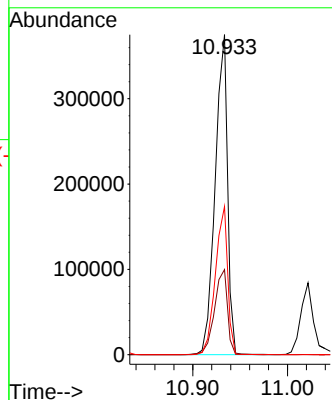
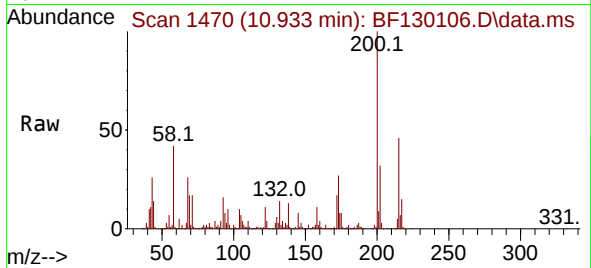




#69  
 Atrazine  
 Concen: 52.337 ng  
 RT: 10.933 min Scan# 1470  
 Delta R.T. 0.000 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

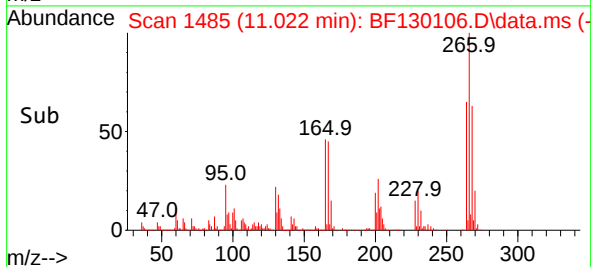
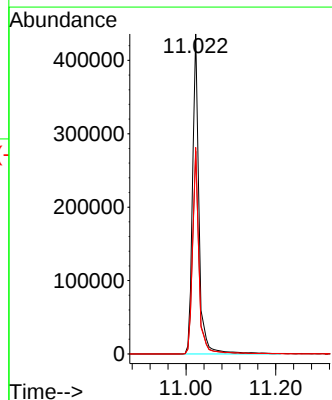
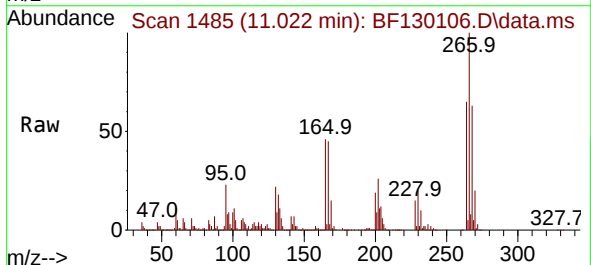
Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-RECYCLED-SAND-SP-A-COMPMS

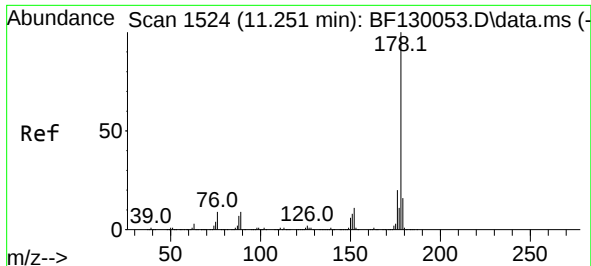
Tgt Ion:200 Resp: 338698  
 Ion Ratio Lower Upper  
 200 100  
 173 26.6 6.4 46.4  
 215 46.3 27.1 67.1



#70  
 Pentachlorophenol  
 Concen: 94.099 ng  
 RT: 11.022 min Scan# 1485  
 Delta R.T. 0.000 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

Tgt Ion:266 Resp: 436400  
 Ion Ratio Lower Upper  
 266 100  
 268 63.4 49.0 73.4  
 264 64.5 47.9 71.9

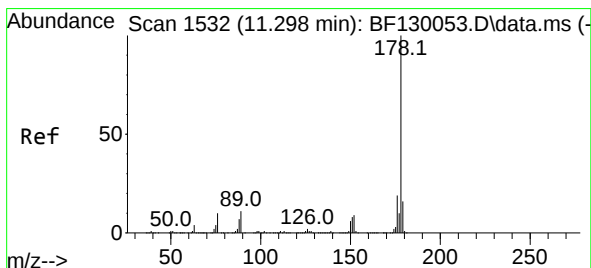
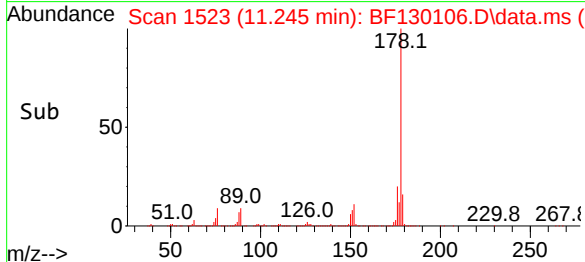
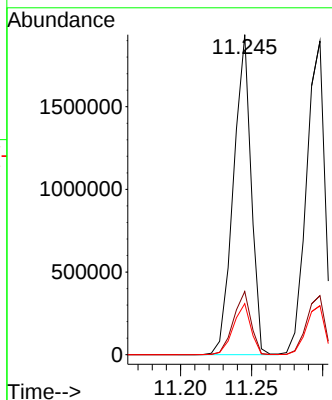
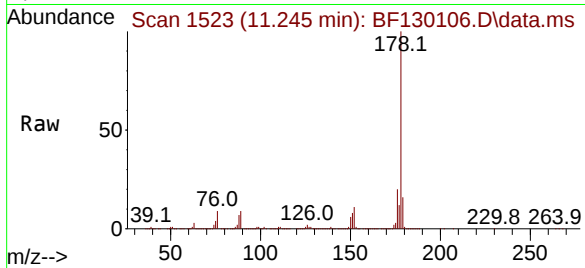




#71  
Phenanthrene  
Concen: 45.164 ng  
RT: 11.245 min Scan# 1523  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

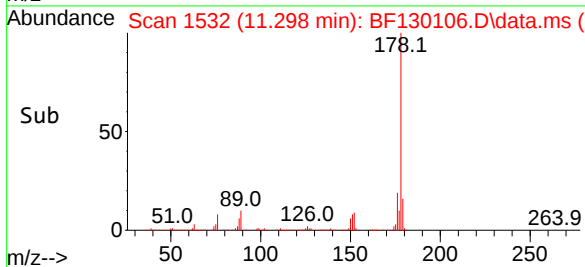
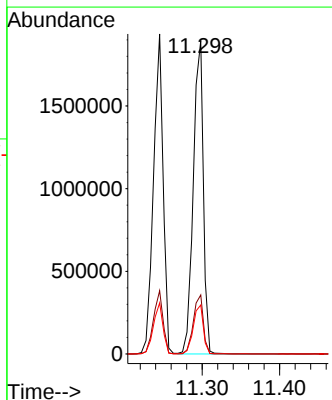
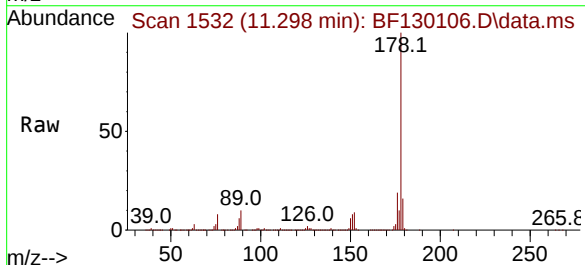
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

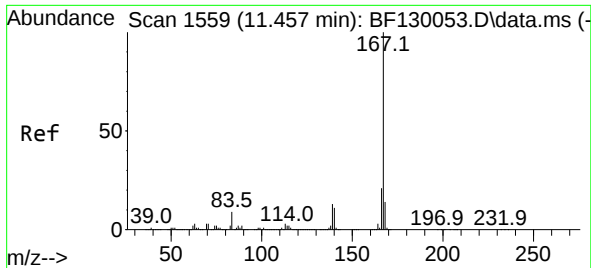
Tgt Ion:178 Resp: 1676027  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.5 23.3  
179 15.9 12.5 18.7



#72  
Anthracene  
Concen: 46.822 ng  
RT: 11.298 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:178 Resp: 1708104  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.6 12.6 18.8

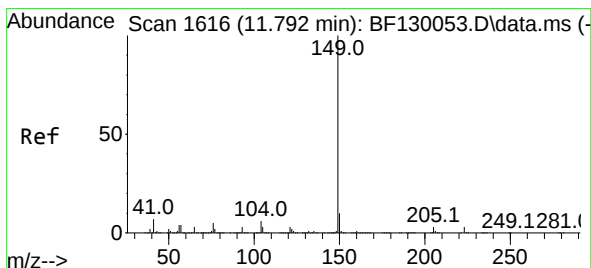
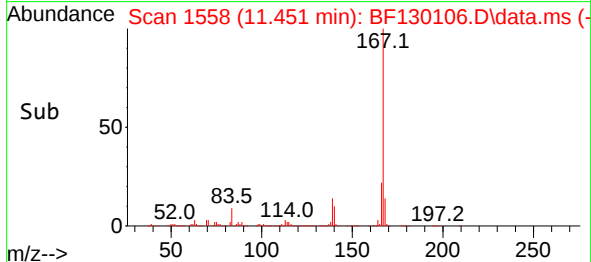
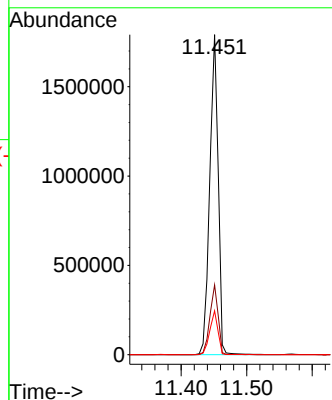
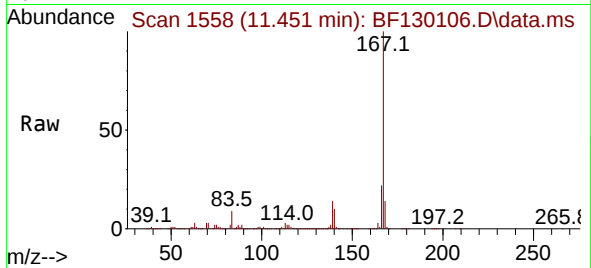




#73  
 Carbazole  
 Concen: 47.690 ng  
 RT: 11.451 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

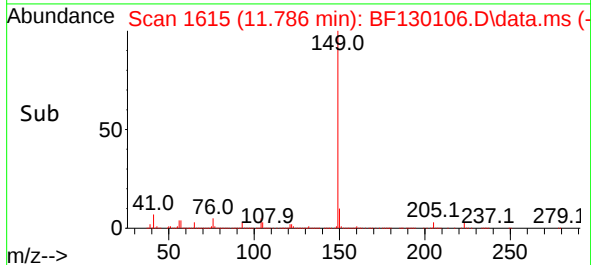
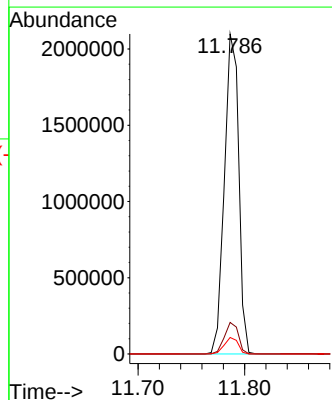
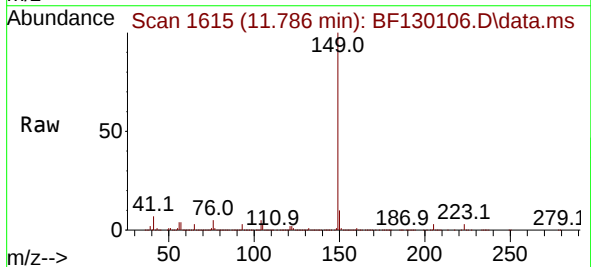
Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-RECYCLED-SAND-SP-A-COMPMS

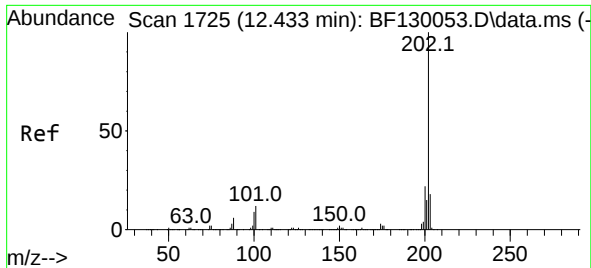
Tgt Ion:167 Resp: 1604316  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.1 25.7  
 139 13.7 11.0 16.6



#74  
 Di-n-butylphthalate  
 Concen: 48.109 ng  
 RT: 11.786 min Scan# 1615  
 Delta R.T. -0.006 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

Tgt Ion:149 Resp: 1951583  
 Ion Ratio Lower Upper  
 149 100  
 150 9.8 7.8 11.6  
 104 5.2 4.2 6.4

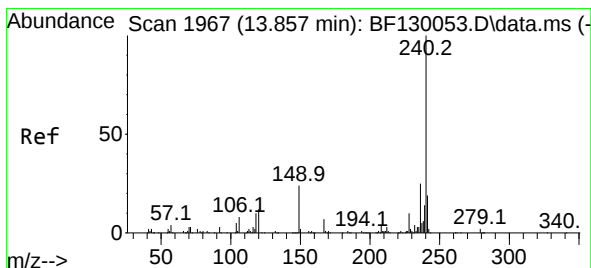
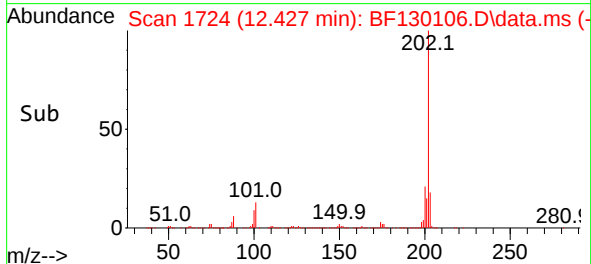
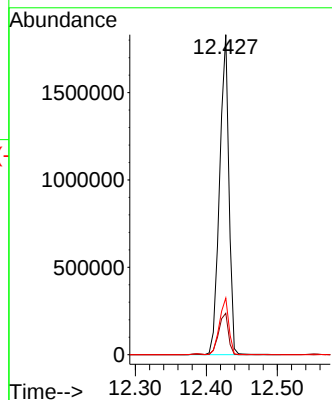
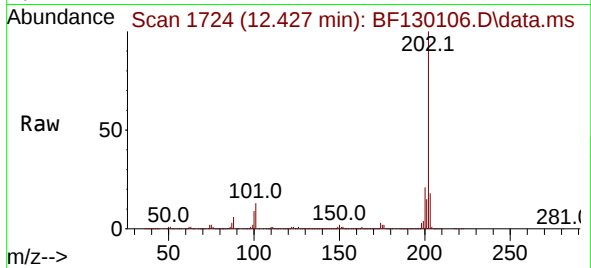




#75  
Fluoranthene  
Concen: 45.072 ng  
RT: 12.427 min Scan# 1725  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

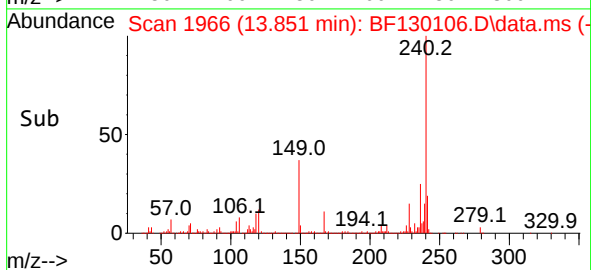
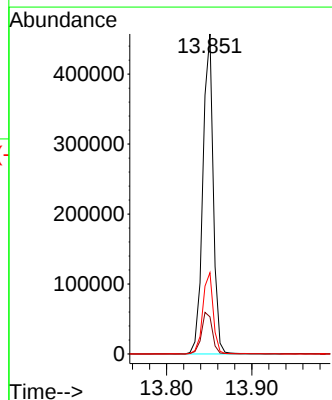
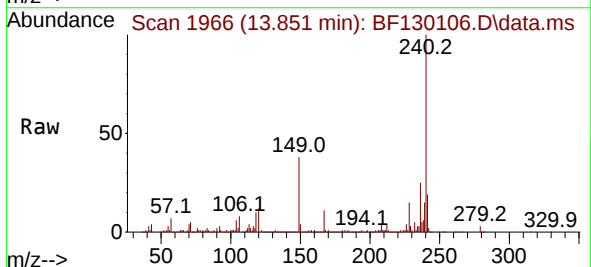
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

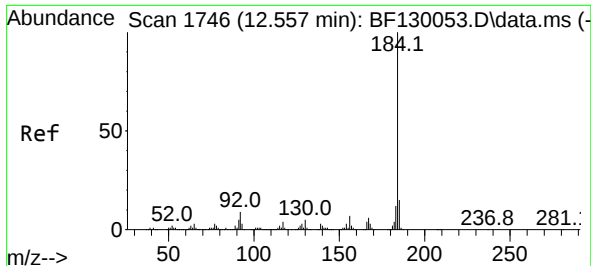
Tgt Ion:202 Resp: 1658626  
Ion Ratio Lower Upper  
202 100  
101 12.9 0.0 30.7  
203 17.7 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.851 min Scan# 1966  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:240 Resp: 387184  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.2 13.8  
236 25.4 20.7 31.1

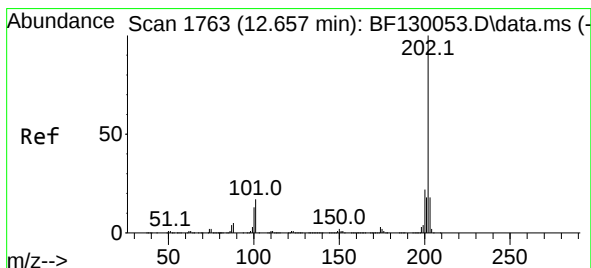
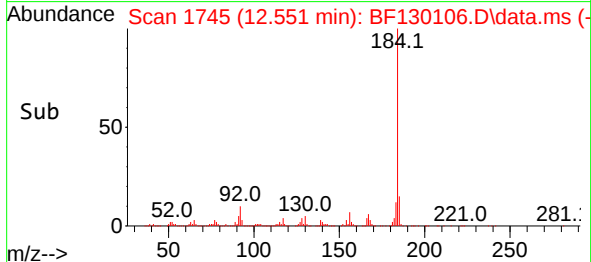
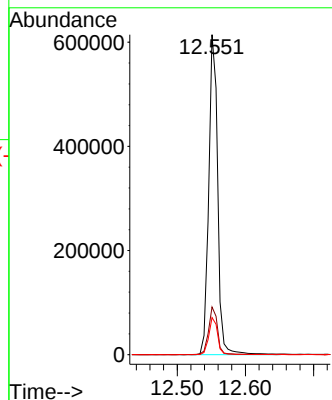
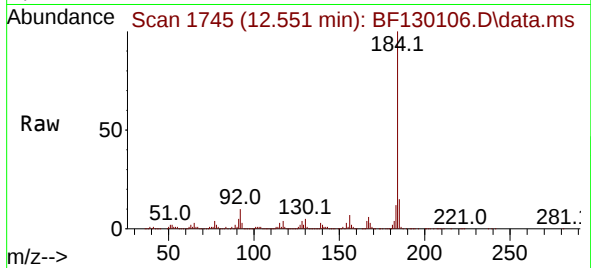




#77  
Benzidine  
Concen: 53.658 ng  
RT: 12.551 min Scan# 1745  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

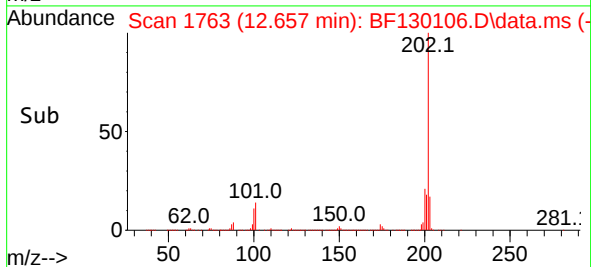
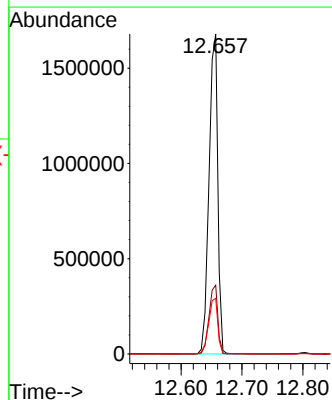
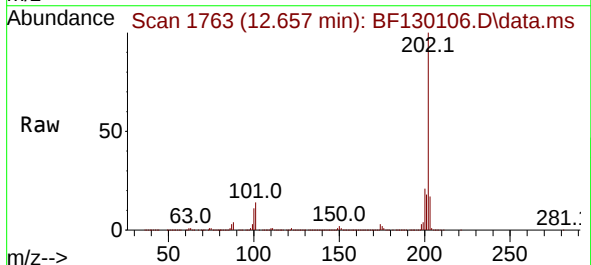
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

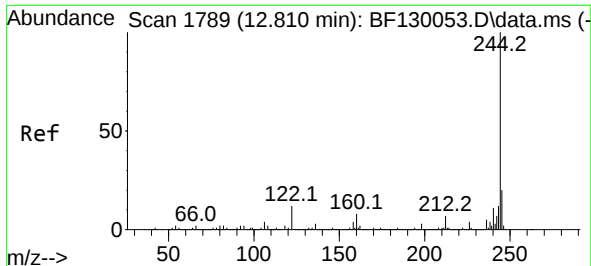
Tgt Ion:184 Resp: 560918  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.4 17.2  
183 11.6 9.4 14.2



#78  
Pyrene  
Concen: 48.367 ng  
RT: 12.657 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:202 Resp: 1679715  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.0 25.6  
203 17.4 14.1 21.1

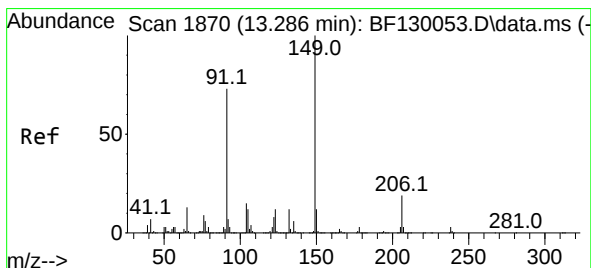
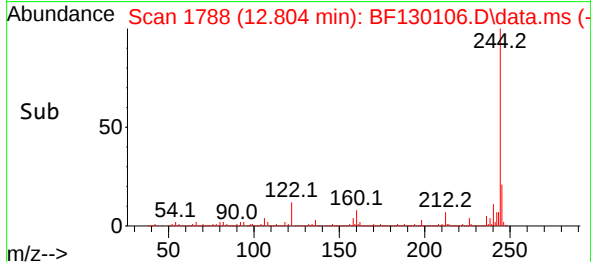
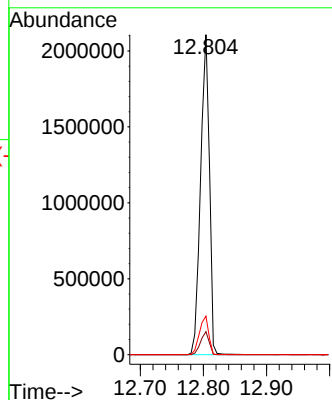
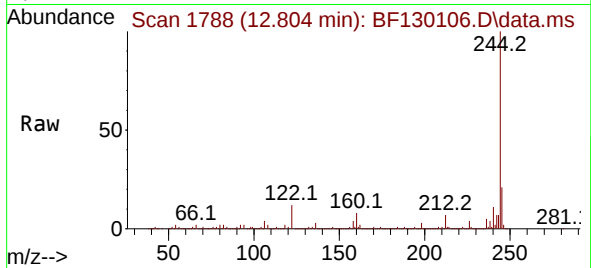




#79  
 Terphenyl-d14  
 Concen: 91.109 ng  
 RT: 12.804 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

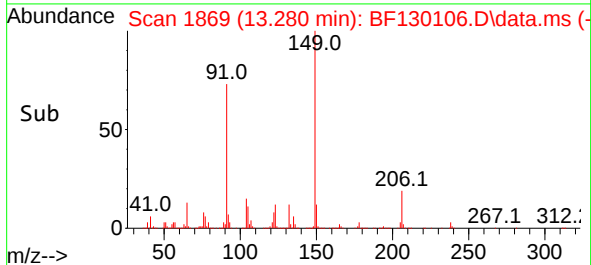
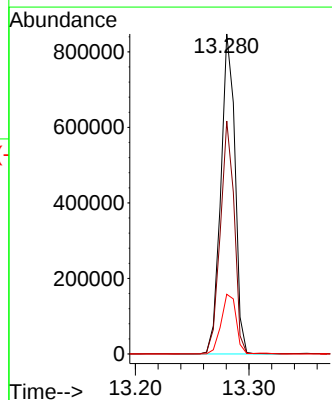
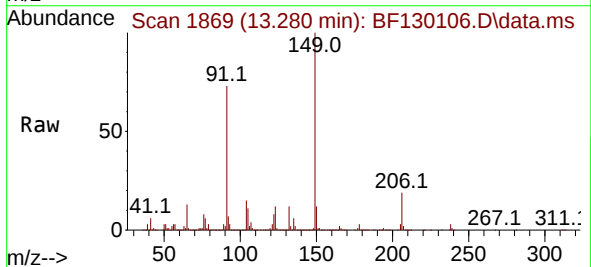
Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-RECYCLED-SAND-SP-A-COMPMS

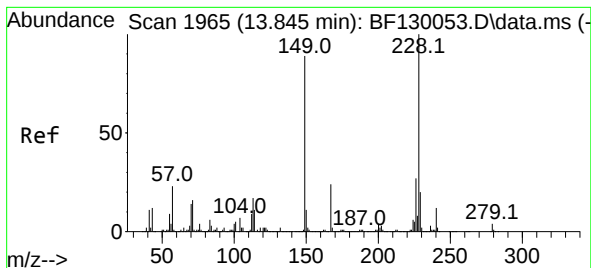
Tgt Ion:244 Resp: 2034220  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 12.1 9.9 14.9



#80  
 Butylbenzylphthalate  
 Concen: 53.270 ng  
 RT: 13.280 min Scan# 1869  
 Delta R.T. -0.006 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

Tgt Ion:149 Resp: 735832  
 Ion Ratio Lower Upper  
 149 100  
 91 72.8 55.4 83.0  
 206 18.7 15.8 23.6





#81

Benzo(a)anthracene

Concen: 46.011 ng

RT: 13.839 min Scan# 1964

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

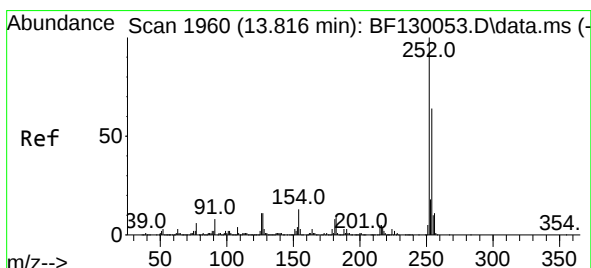
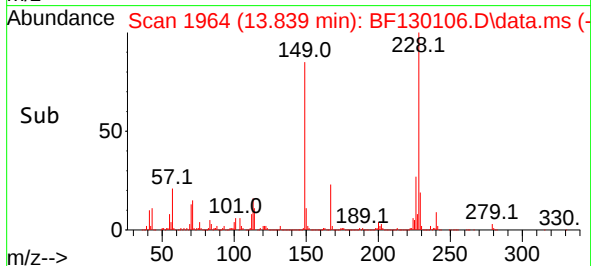
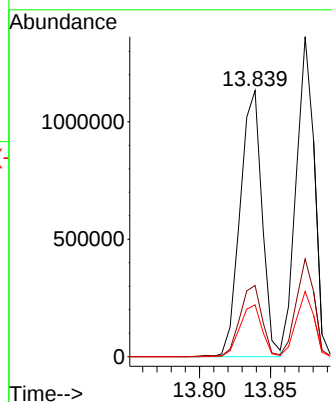
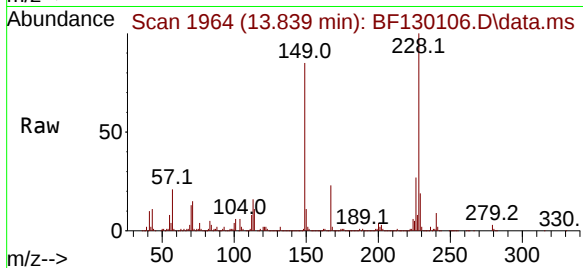
Tgt Ion:228 Resp: 1220847

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.0

229 19.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 31.889 ng

RT: 13.804 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

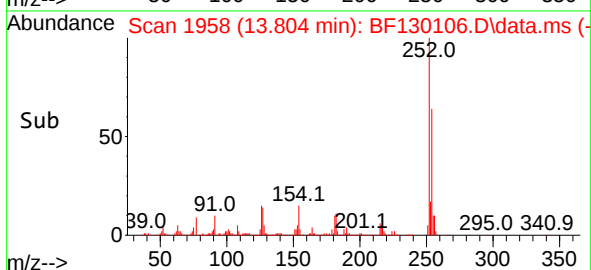
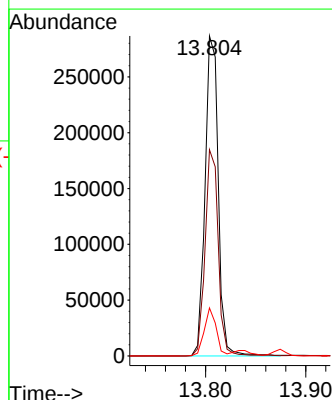
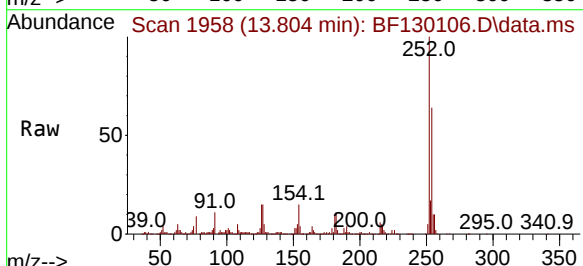
Tgt Ion:252 Resp: 263872

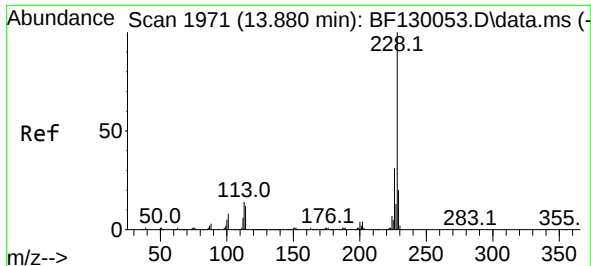
Ion Ratio Lower Upper

252 100

254 64.5 51.4 77.2

126 15.0 10.2 15.4

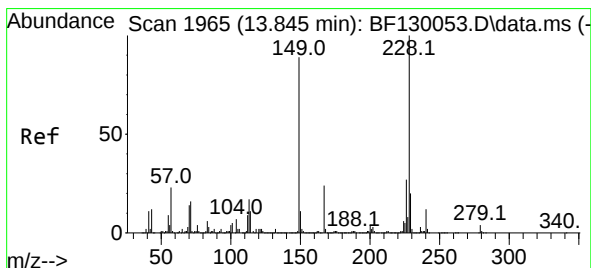
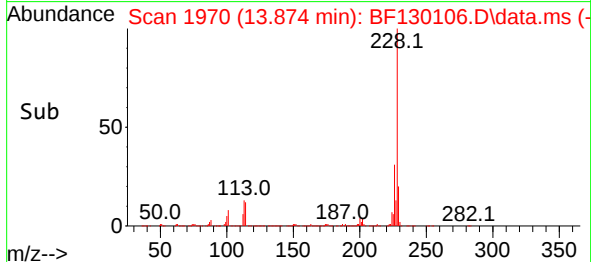
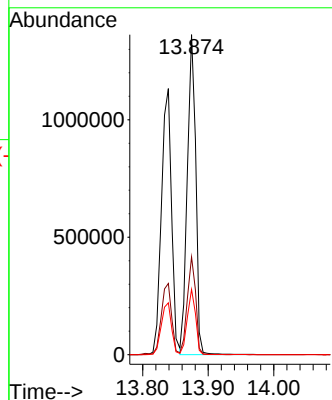
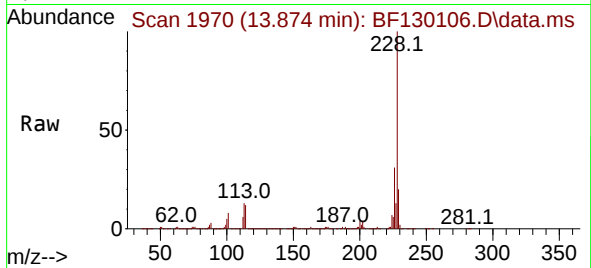




#83  
Chrysene  
Concen: 46.320 ng  
RT: 13.874 min Scan# 1971  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

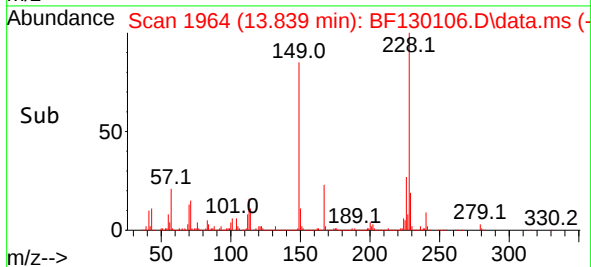
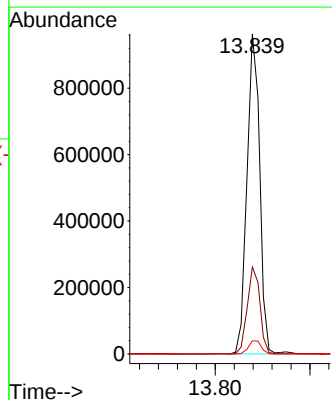
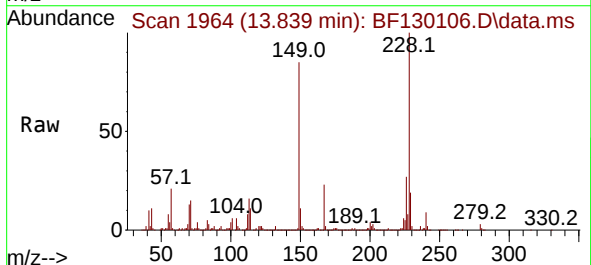
Instrument : BNA\_F  
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMPMS

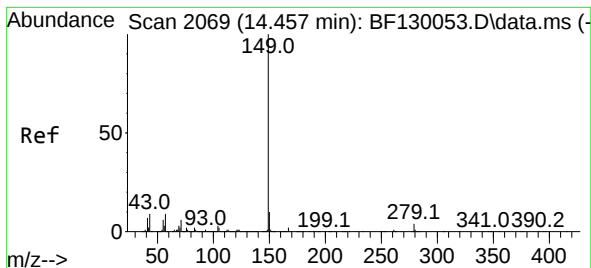
Tgt Ion:228 Resp: 1211746  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.4 36.6  
229 20.4 15.9 23.9



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.168 ng  
RT: 13.839 min Scan# 1964  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:149 Resp: 895712  
Ion Ratio Lower Upper  
149 100  
167 27.2 22.0 33.0  
279 4.1 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 54.836 ng

RT: 14.451 min Scan# 2069

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

Instrument :

BNA\_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMPMS

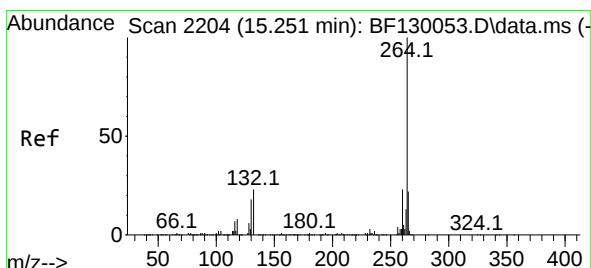
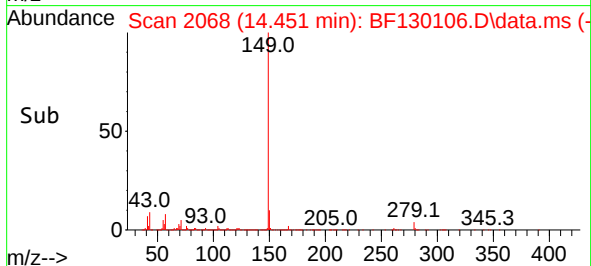
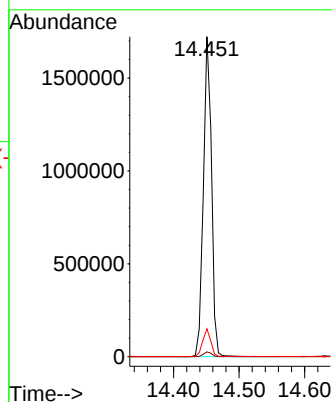
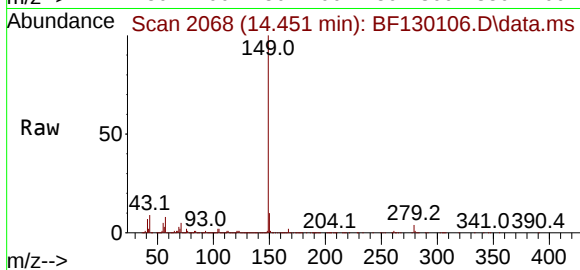
Tgt Ion:149 Resp: 1487253

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.7 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.245 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF130106.D

Acq: 02 Sep 2022 12:28

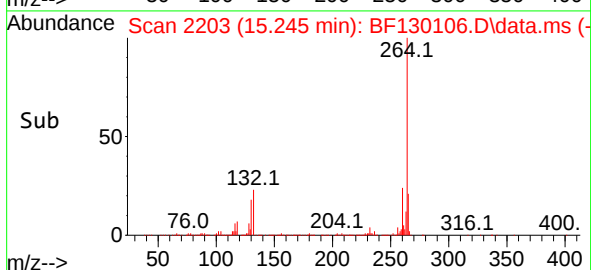
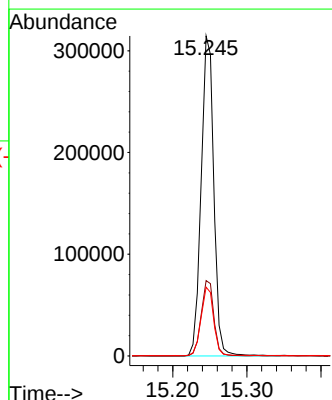
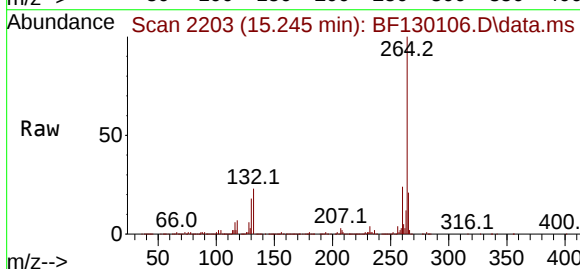
Tgt Ion:264 Resp: 372794

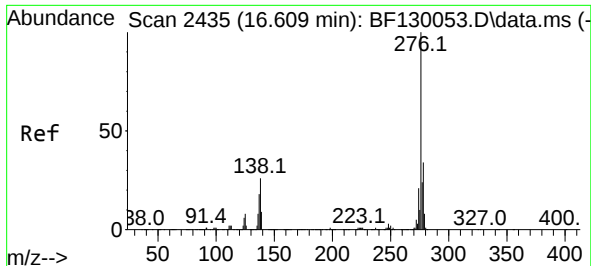
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.5 16.7 25.1

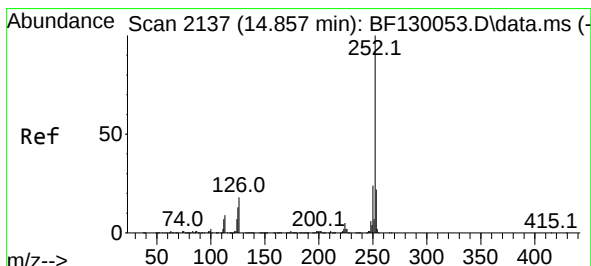
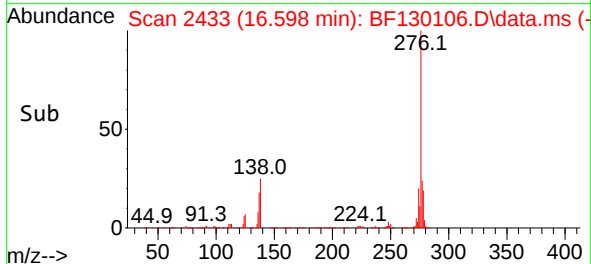
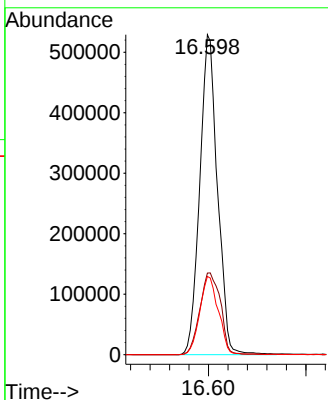
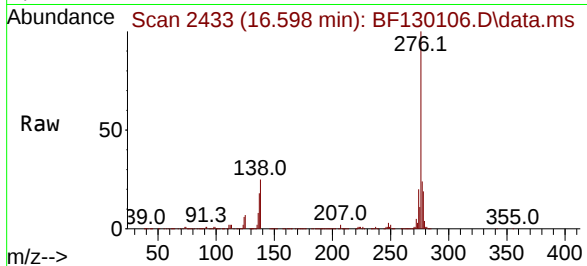




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 54.136 ng  
 RT: 16.598 min Scan# 2141  
 Delta R.T. -0.012 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

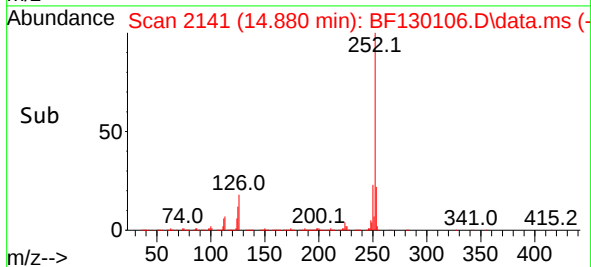
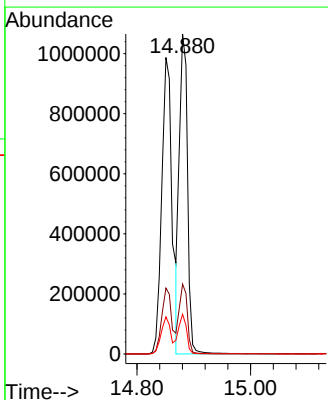
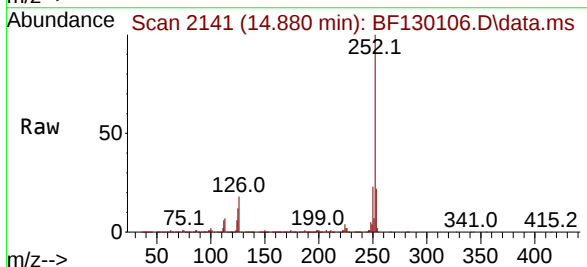
Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-RECYCLED-SAND-SP-A-COMPMS

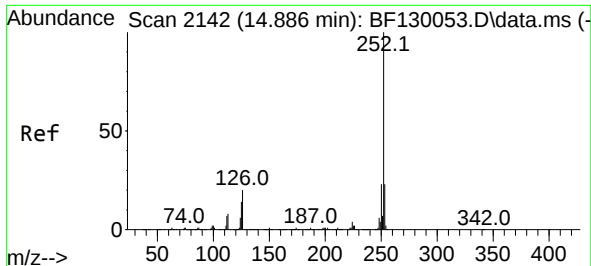
Tgt Ion:276 Resp: 1331262  
 Ion Ratio Lower Upper  
 276 100  
 138 29.8 19.8 29.8#  
 277 25.7 20.4 30.6



#88  
 Benzo(b)fluoranthene  
 Concen: 42.872 ng  
 RT: 14.880 min Scan# 2141  
 Delta R.T. 0.024 min  
 Lab File: BF130106.D  
 Acq: 02 Sep 2022 12:28

Tgt Ion:252 Resp: 1065805  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.5 26.3  
 125 12.4 8.3 12.5

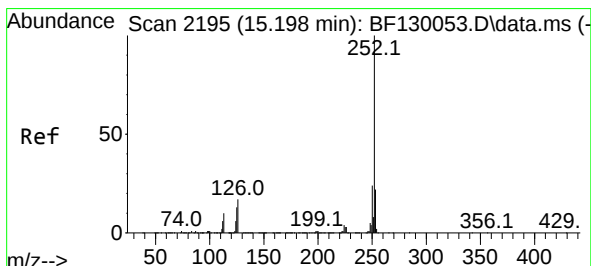
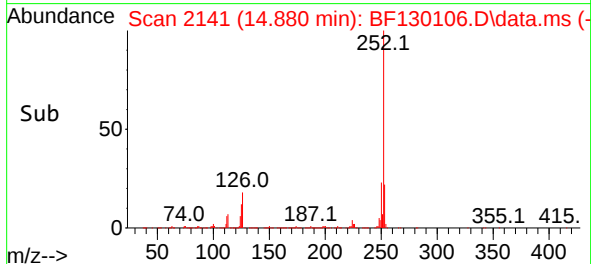
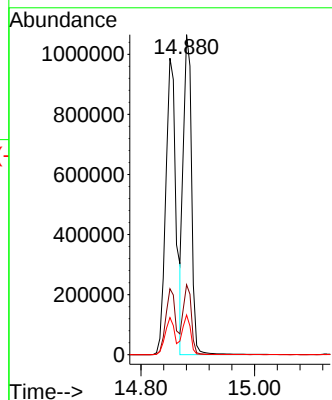
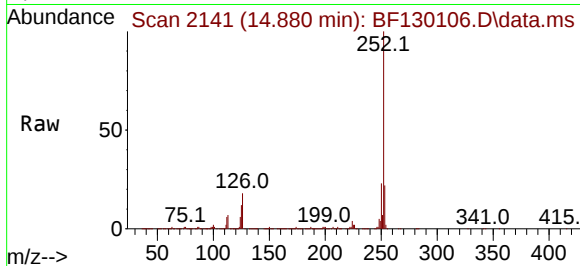




#89  
Benzo(k)fluoranthene  
Concen: 44.328 ng  
RT: 14.880 min Scan# 2142  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

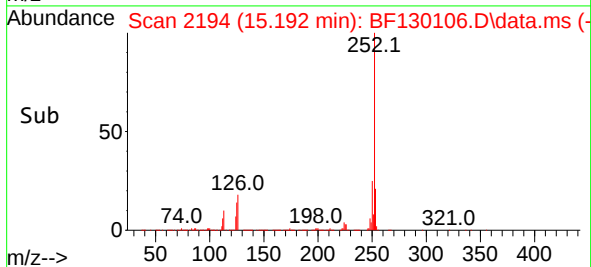
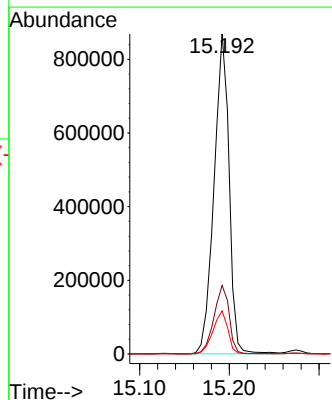
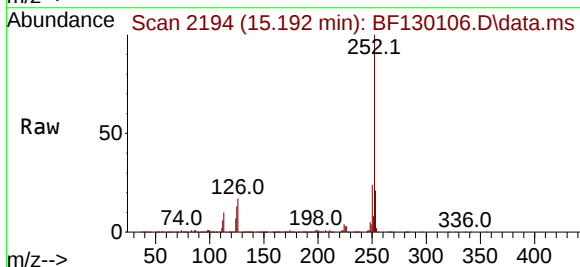
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

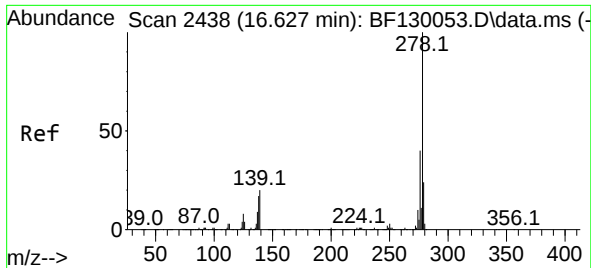
Tgt Ion:252 Resp: 1065805  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.1 25.7  
125 12.4 8.3 12.5



#90  
Benzo(a)pyrene  
Concen: 51.053 ng  
RT: 15.192 min Scan# 2194  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:252 Resp: 1008515  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.2 25.8  
125 13.5 8.8 13.2#

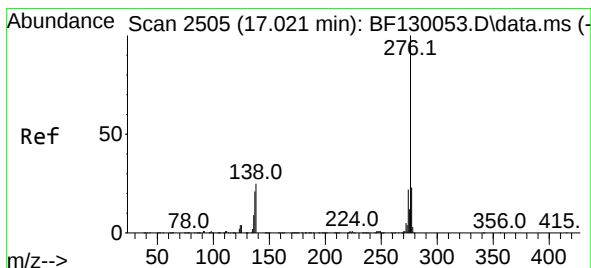
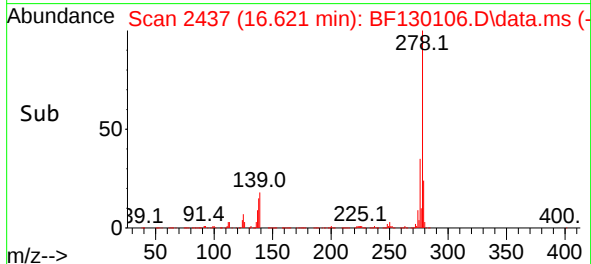
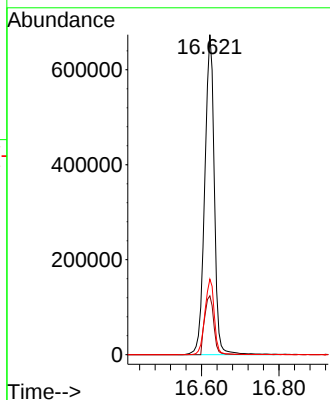
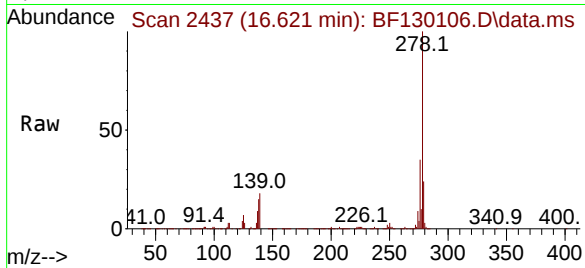




#91  
Dibenzo(a,h)anthracene  
Concen: 57.465 ng  
RT: 16.621 min Scan# 2438  
Delta R.T. -0.006 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-RECYCLED-SAND-SP-A-COMPMS

Tgt Ion:278 Resp: 1156317  
Ion Ratio Lower Upper  
278 100  
139 18.4 12.2 18.4#  
279 23.6 18.7 28.1



#92  
Benzo(g,h,i)perylene  
Concen: 58.480 ng  
RT: 17.009 min Scan# 2503  
Delta R.T. -0.012 min  
Lab File: BF130106.D  
Acq: 02 Sep 2022 12:28

Tgt Ion:276 Resp: 1177343  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.2 27.4  
138 25.8 15.8 23.8#

