

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121823\  
 Data File : BF136613.D  
 Acq On : 18 Dec 2023 14:24  
 Operator : CG\JU  
 Sample : PB1157801BSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157801BSD

Quant Time: Dec 18 14:50:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 15 00:33:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 139897   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 590724   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.827  | 164  | 308731   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 569092   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 288301   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 250353   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 1050945  | 110.943 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 1269421  | 107.407 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 779538   | 71.340  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 420610   | 110.493 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1582894  | 69.959  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.916 | 244  | 1772740  | 81.046  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 107182   | 28.606  | ng    | 95       |
| 3) Pyridine                   | 3.404  | 79   | 260243   | 28.681  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 146545   | 37.174  | ng    | 96       |
| 6) Aniline                    | 6.457  | 93   | 302624   | 25.336  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.581  | 128  | 421565   | 40.765  | ng    | 99       |
| 9) Benzaldehyde               | 6.339  | 77   | 114982   | 16.474  | ng    | 97       |
| 10) Phenol                    | 6.457  | 94   | 463288   | 36.838  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.534  | 93   | 371022   | 39.579  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.734  | 146  | 429444   | 36.925  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 442039   | 37.468  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 421533   | 37.996  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 322821   | 40.790  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069  | 45   | 438500   | 36.370  | ng    | 88       |
| 17) 2-Methylphenol            | 7.057  | 107  | 328024   | 39.261  | ng    | # 93     |
| 18) Hexachloroethane          | 7.298  | 117  | 153441   | 37.252  | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 258209   | 37.873  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 394272   | 38.019  | ng    | # 76     |
| 22) Acetophenone              | 7.198  | 105  | 555403   | 38.075  | ng    | # 96     |
| 24) Nitrobenzene              | 7.375  | 77   | 398787   | 36.278  | ng    | 98       |
| 25) Isophorone                | 7.610  | 82   | 741454   | 37.768  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 226258   | 41.868  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.733  | 122  | 334727   | 50.233  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 464844   | 38.534  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.933  | 162  | 346293   | 39.372  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 389378   | 37.966  | ng    | 97       |
| 31) Naphthalene               | 8.092  | 128  | 1194071  | 36.655  | ng    | 99       |
| 32) Benzoic acid              | 7.881  | 122  | 262714   | 39.743  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 264431   | 22.769  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 223456   | 36.763  | ng    | 99       |
| 35) Caprolactam               | 8.528  | 113  | 71815    | 26.514  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 364288   | 39.008  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 775409   | 37.415  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 740595   | 36.417  | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 379051   | 39.464  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 323764   | 90.985  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 250239   | 40.012  | ng    | 99       |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 15 00:33:23 2023  
 Response via : Initial Calibration

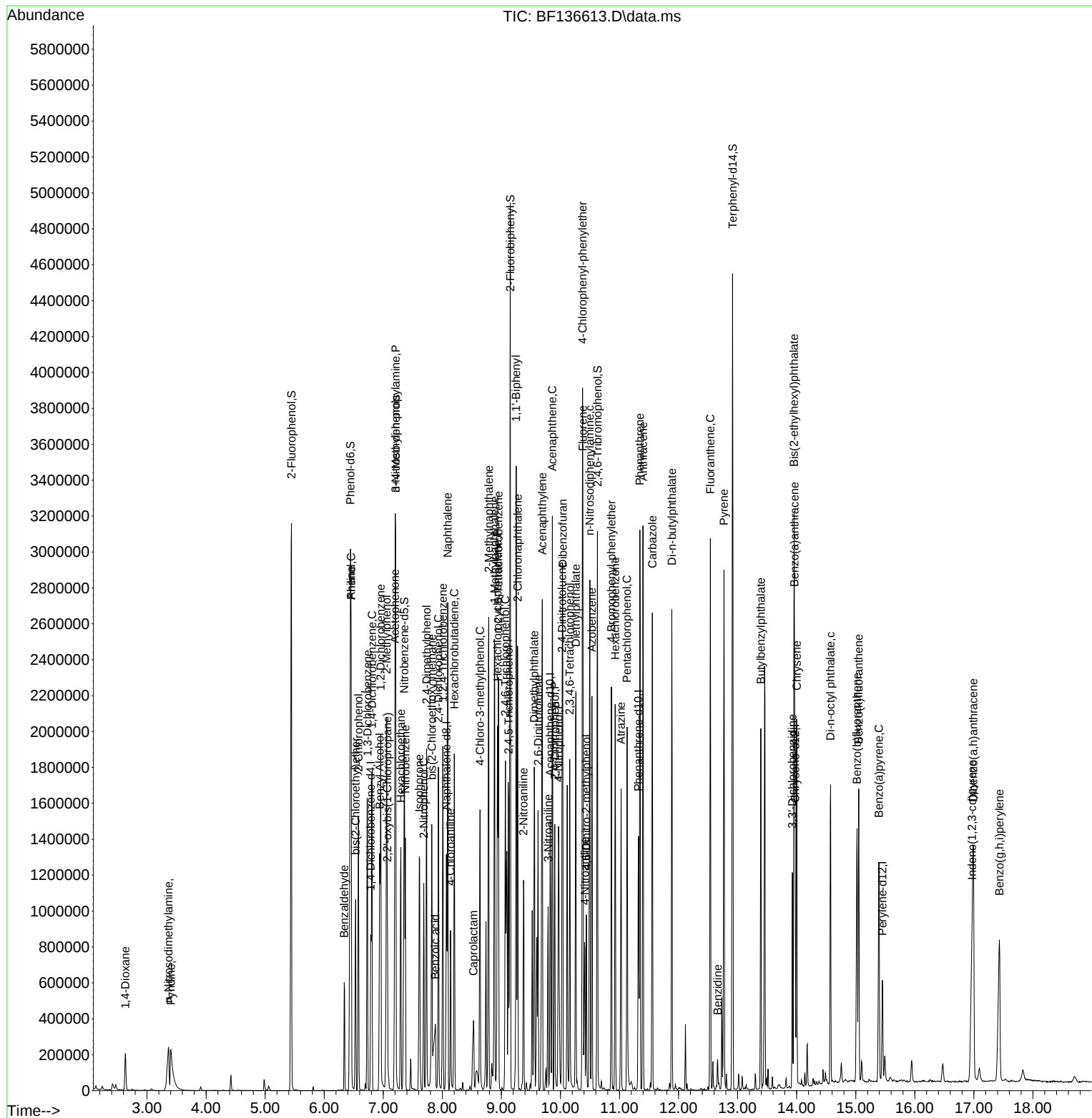
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 266530   | 38.184 | ng    | # 91     |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 991970   | 37.761 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 759033   | 37.123 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 213555   | 38.943 | ng    | 95       |
| 49) Acenaphthylene            | 9.692  | 152  | 1141810  | 39.202 | ng    | 99       |
| 50) Dimethylphthalate         | 9.557  | 163  | 918044   | 40.389 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 198269   | 38.773 | ng    | 99       |
| 52) Acenaphthene              | 9.863  | 154  | 702277   | 37.626 | ng    | 95       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 168734   | 32.313 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 213187   | 82.457 | ng    | 95       |
| 55) Dibenzofuran              | 10.039 | 168  | 1018394  | 37.350 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 293233   | 74.909 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.027 | 165  | 259555   | 38.369 | ng    | # 93     |
| 58) Fluorene                  | 10.380 | 166  | 818040   | 37.374 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 226644   | 40.536 | ng    | 98       |
| 60) Diethylphthalate          | 10.263 | 149  | 868677   | 38.865 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204  | 413309   | 38.735 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 193766   | 37.370 | ng    | 97       |
| 63) Azobenzene                | 10.533 | 77   | 744637   | 36.602 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 150354   | 42.660 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 751855   | 41.173 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 260998   | 39.446 | ng    | 92       |
| 68) Hexachlorobenzene         | 10.927 | 284  | 301897   | 39.478 | ng    | 97       |
| 69) Atrazine                  | 11.027 | 200  | 210789   | 40.443 | ng    | 99       |
| 70) Pentachlorophenol         | 11.127 | 266  | 262111   | 60.730 | ng    | 98       |
| 71) Phenanthrene              | 11.345 | 178  | 1249700  | 39.952 | ng    | 99       |
| 72) Anthracene                | 11.398 | 178  | 1244582  | 39.504 | ng    | 98       |
| 73) Carbazole                 | 11.557 | 167  | 1060443  | 38.029 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 1374493  | 40.208 | ng    | 99       |
| 75) Fluoranthene              | 12.539 | 202  | 1198445  | 36.561 | ng    | 98       |
| 77) Benzidine                 | 12.663 | 184  | 71080    | 16.712 | ng    | 98       |
| 78) Pyrene                    | 12.768 | 202  | 1180185  | 41.799 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 450756   | 44.846 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 815128   | 40.590 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 237074   | 42.105 | ng    | 100      |
| 83) Chrysene                  | 14.004 | 228  | 770314   | 38.988 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 568502   | 46.138 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 863240   | 47.429 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 878292   | 50.498 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 727398   | 42.495 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 690758   | 42.820 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 632800   | 44.764 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 745243   | 52.303 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 726475   | 49.674 | ng    | 99       |

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

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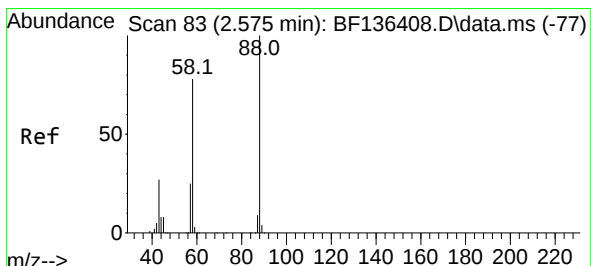
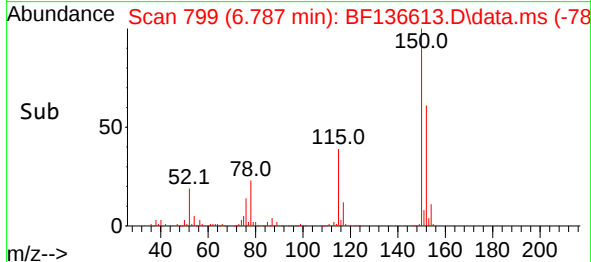
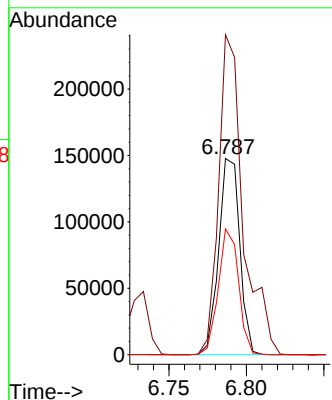
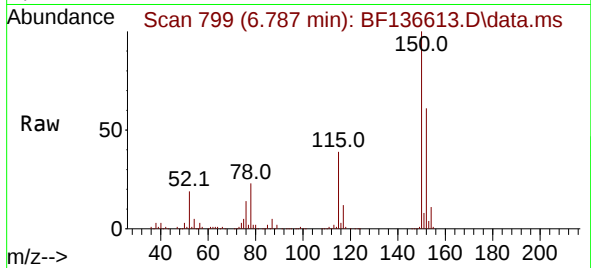




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: BF136613.D  
 Acq: 18 Dec 2023 14:24

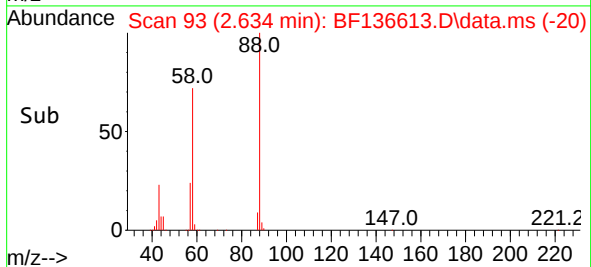
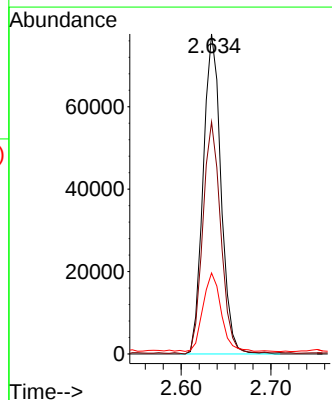
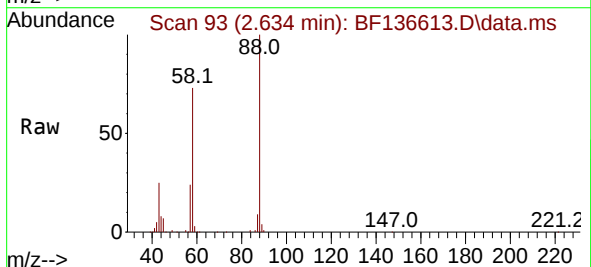
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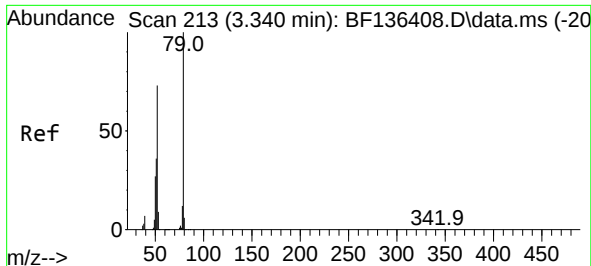
Tgt Ion:152 Resp: 139897  
 Ion Ratio Lower Upper  
 152 100  
 150 163.2 126.4 189.6  
 115 64.1 48.2 72.4



#2  
 1,4-Dioxane  
 Concen: 28.606 ng  
 RT: 2.634 min Scan# 93  
 Delta R.T. 0.082 min  
 Lab File: BF136613.D  
 Acq: 18 Dec 2023 14:24

Tgt Ion: 88 Resp: 107182  
 Ion Ratio Lower Upper  
 88 100  
 58 73.1 62.2 93.2  
 43 25.0 21.5 32.3

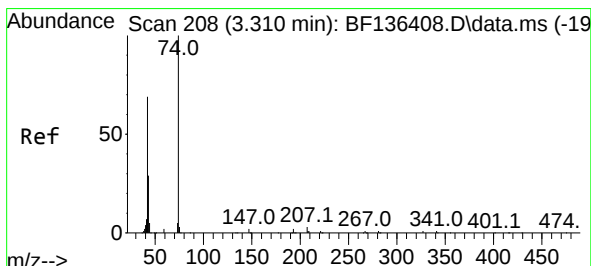
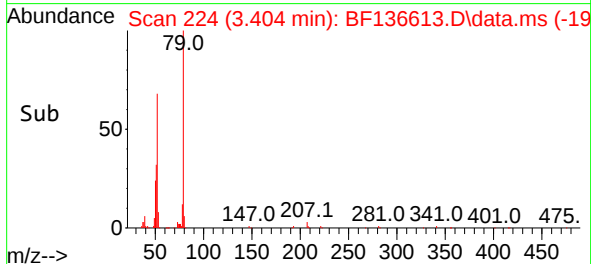
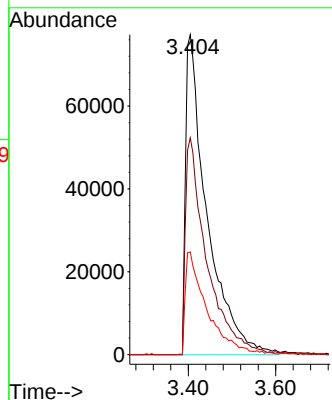
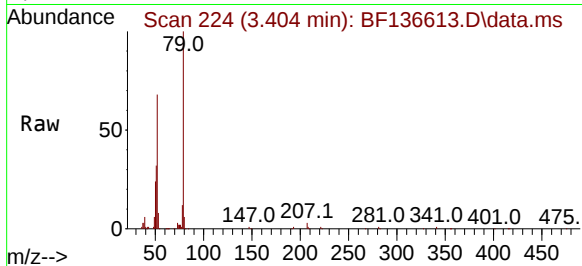




#3  
Pyridine  
Concen: 28.681 ng  
RT: 3.404 min Scan# 213  
Delta R.T. 0.094 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

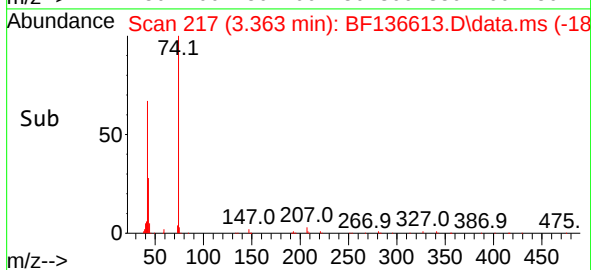
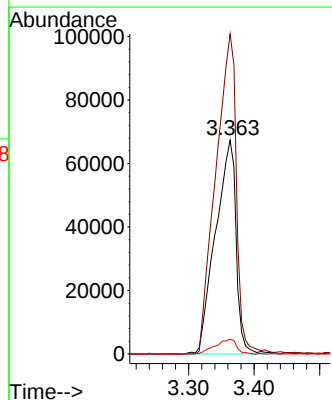
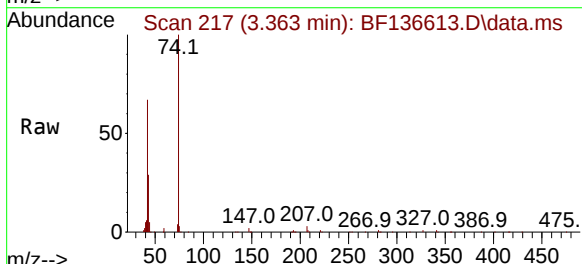
Instrument :  
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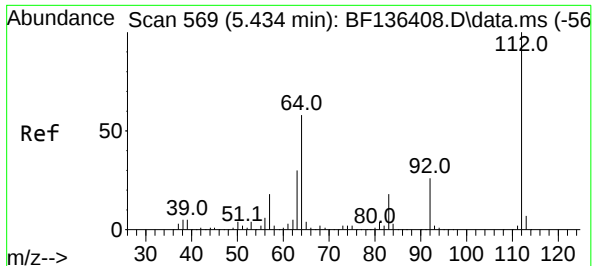
Tgt Ion: 79 Resp: 260243  
Ion Ratio Lower Upper  
79 100  
52 67.8 58.2 87.2  
51 32.1 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 37.174 ng  
RT: 3.363 min Scan# 217  
Delta R.T. 0.076 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion: 42 Resp: 146545  
Ion Ratio Lower Upper  
42 100  
74 149.7 115.4 173.0  
44 7.0 6.2 9.2

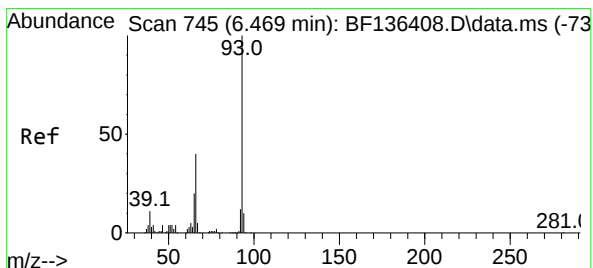
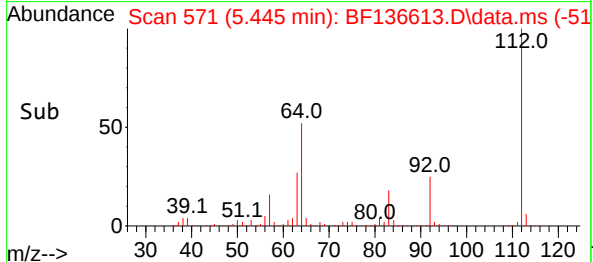
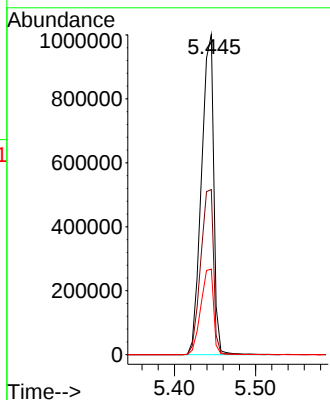
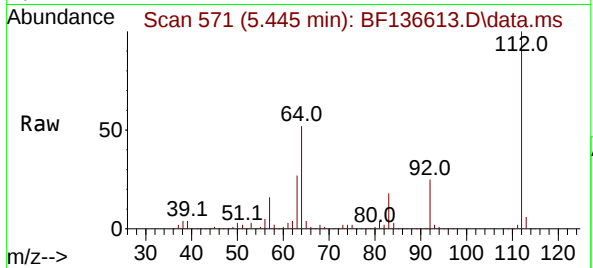




#5  
2-Fluorophenol  
Concen: 110.943 ng  
RT: 5.445 min Scan# 51  
Delta R.T. 0.023 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

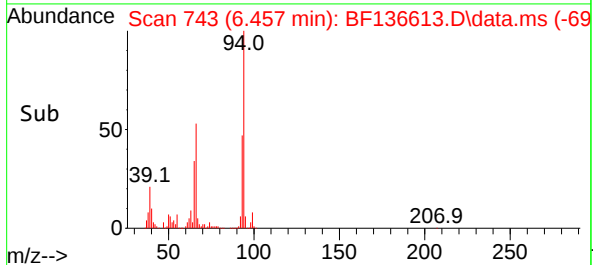
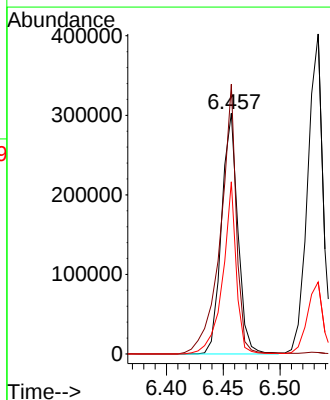
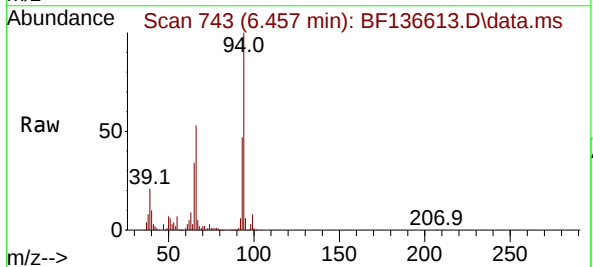
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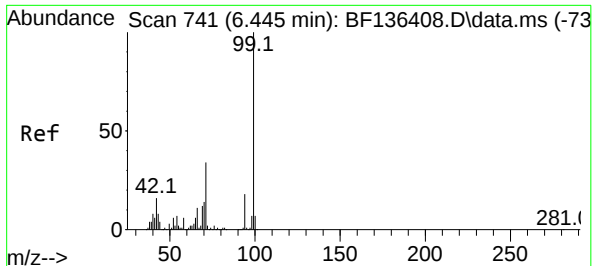
Tgt Ion:112 Resp: 1050945  
Ion Ratio Lower Upper  
112 100  
64 51.6 46.5 69.7  
63 26.7 23.9 35.9



#6  
Aniline  
Concen: 25.336 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion: 93 Resp: 302624  
Ion Ratio Lower Upper  
93 100  
66 112.1 32.5 48.7#  
65 71.6 16.4 24.6#

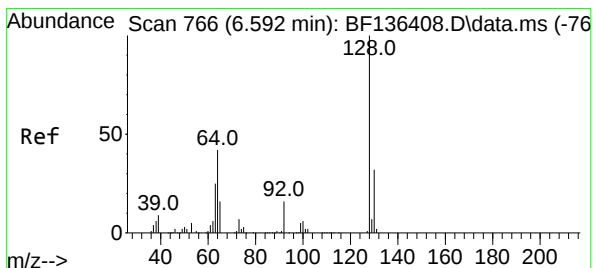
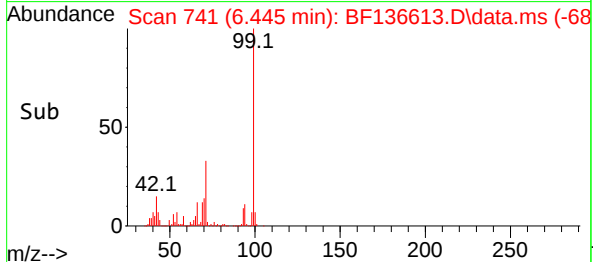
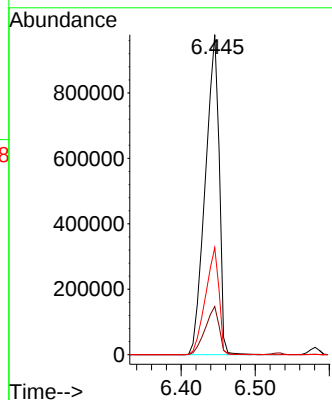
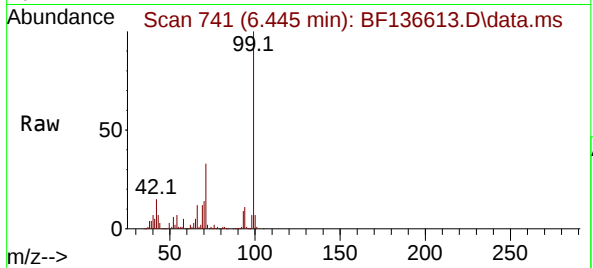




#7  
Phenol-d6  
Concen: 107.407 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

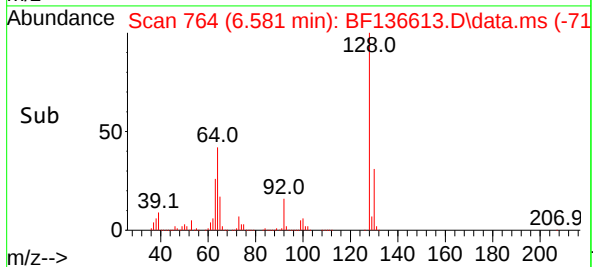
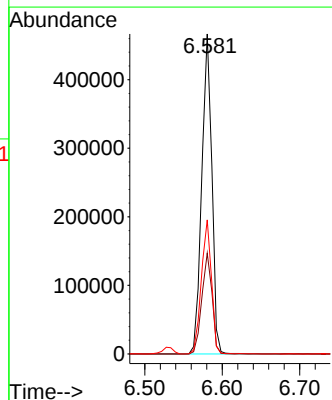
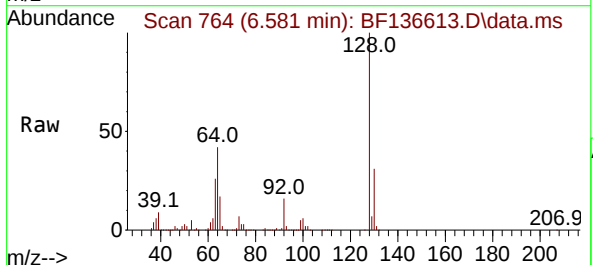
Instrument :  
BNA\_F  
ClientSampleId :  
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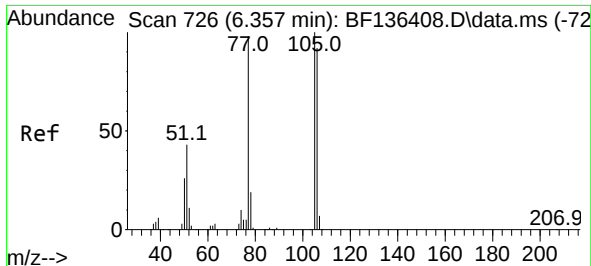
Tgt Ion: 99 Resp: 1269421  
Ion Ratio Lower Upper  
99 100  
42 15.0 12.8 19.2  
71 33.4 27.0 40.4



#8  
2-Chlorophenol  
Concen: 40.765 ng  
RT: 6.581 min Scan# 764  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:128 Resp: 421565  
Ion Ratio Lower Upper  
128 100  
130 31.5 11.7 51.7  
64 41.9 22.5 62.5

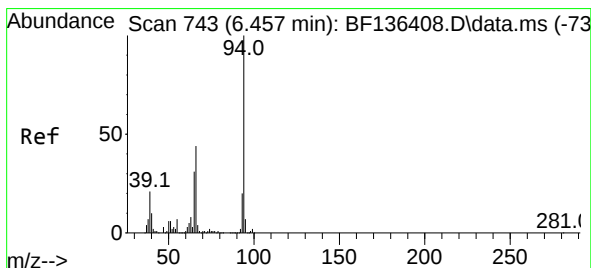
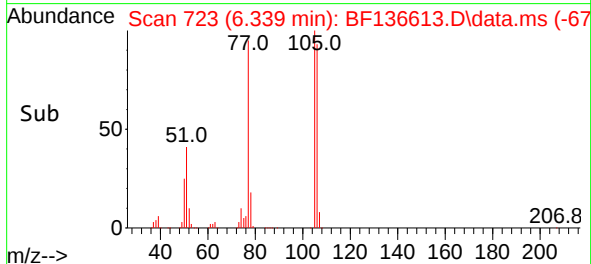
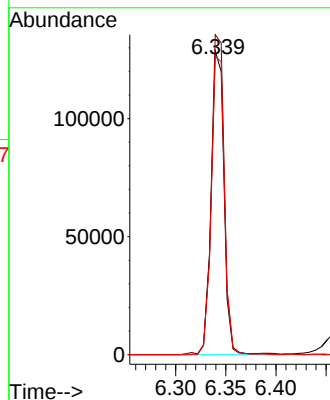
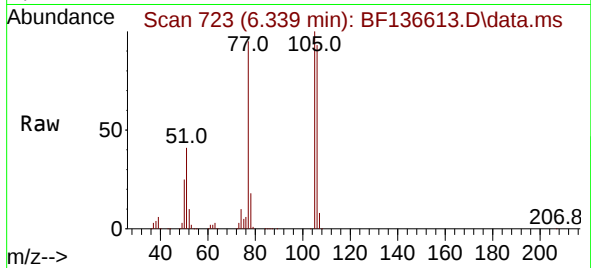




#9  
Benzaldehyde  
Concen: 16.474 ng  
RT: 6.339 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

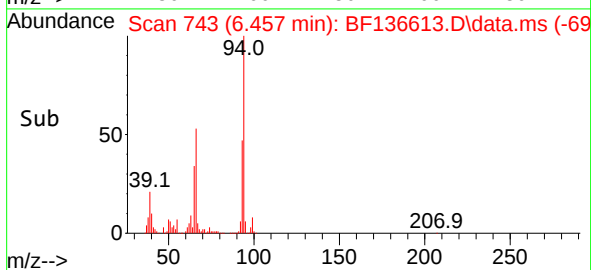
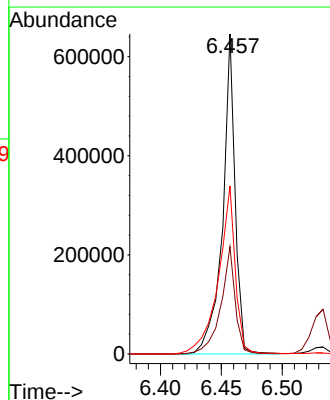
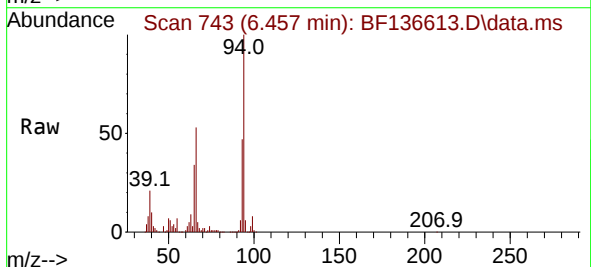
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

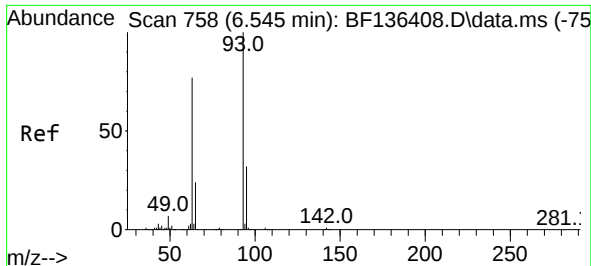
Tgt Ion: 77 Resp: 114982  
Ion Ratio Lower Upper  
77 100  
105 105.3 82.5 122.5  
106 98.1 74.5 114.5



#10  
Phenol  
Concen: 36.838 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion: 94 Resp: 463288  
Ion Ratio Lower Upper  
94 100  
65 33.5 11.2 51.2  
66 52.5 24.2 64.2

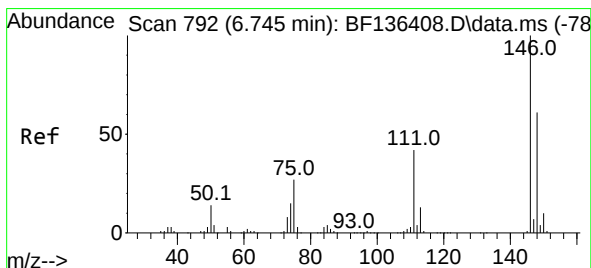
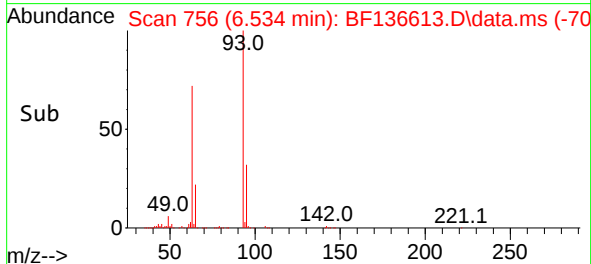
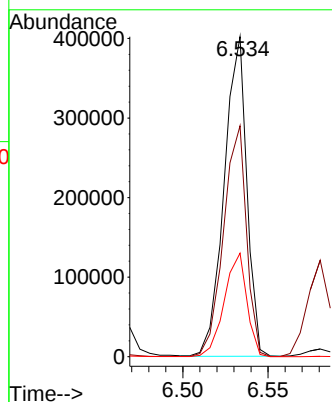
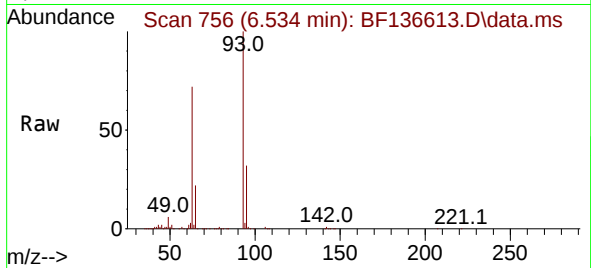




#11  
bis(2-Chloroethyl)ether  
Concen: 39.579 ng  
RT: 6.534 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

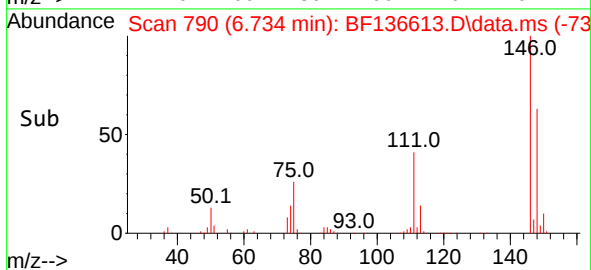
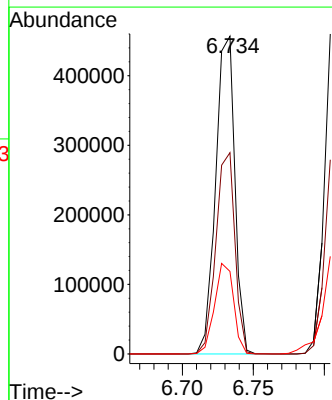
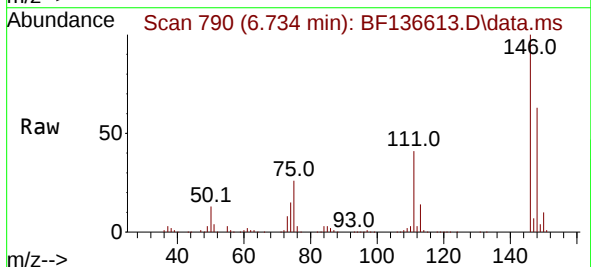
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

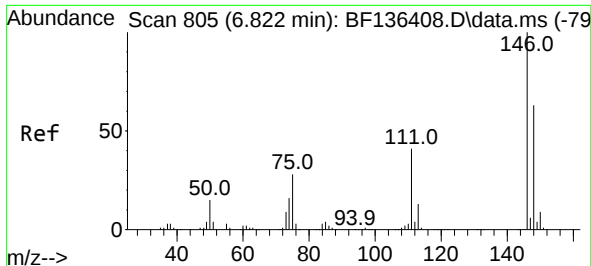
Tgt Ion: 93 Resp: 371022  
Ion Ratio Lower Upper  
93 100  
63 72.2 56.8 96.8  
95 32.3 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 36.925 ng  
RT: 6.734 min Scan# 790  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:146 Resp: 429444  
Ion Ratio Lower Upper  
146 100  
148 63.3 49.0 73.6  
75 26.0 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 37.468 ng

RT: 6.810 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

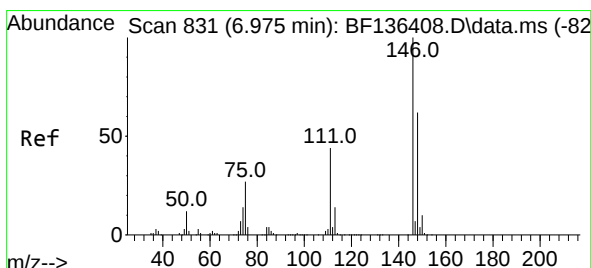
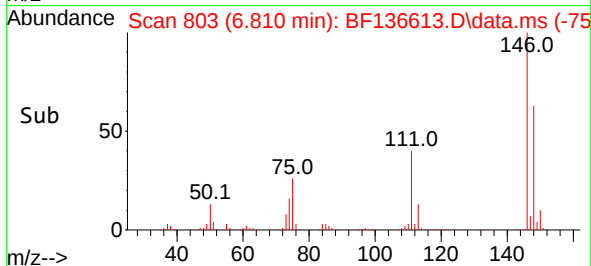
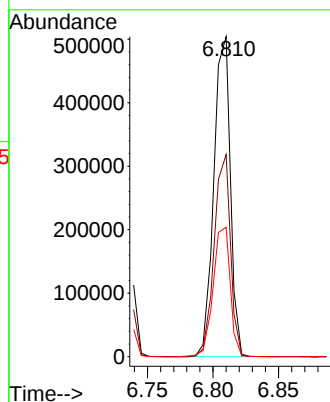
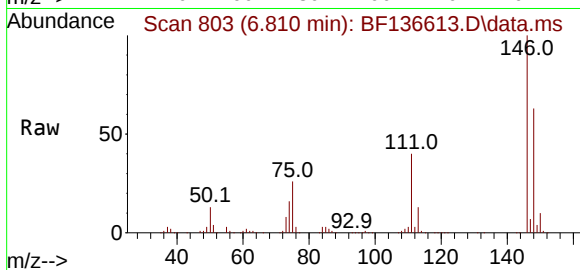
Tgt Ion:146 Resp: 442039

Ion Ratio Lower Upper

146 100

148 63.1 50.3 75.5

111 40.5 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 37.996 ng

RT: 6.957 min Scan# 828

Delta R.T. -0.000 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

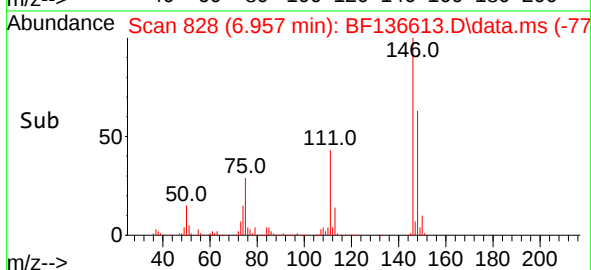
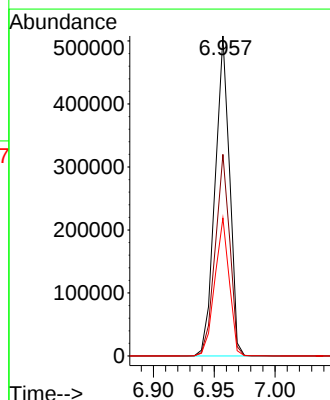
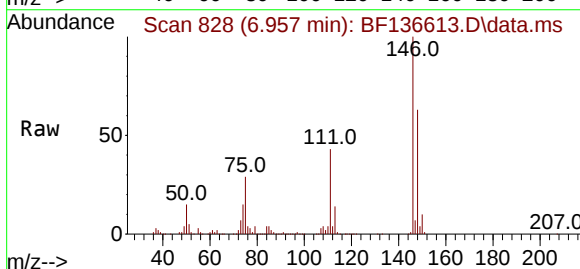
Tgt Ion:146 Resp: 421533

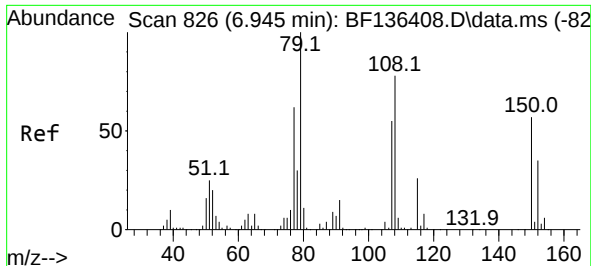
Ion Ratio Lower Upper

146 100

148 63.0 49.8 74.6

111 43.1 34.9 52.3

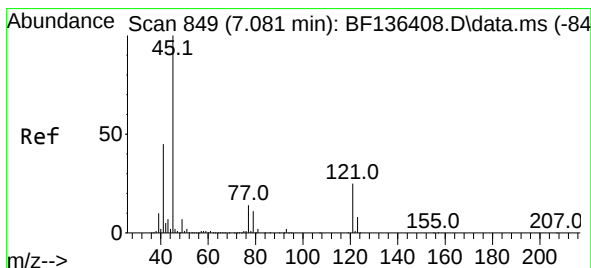
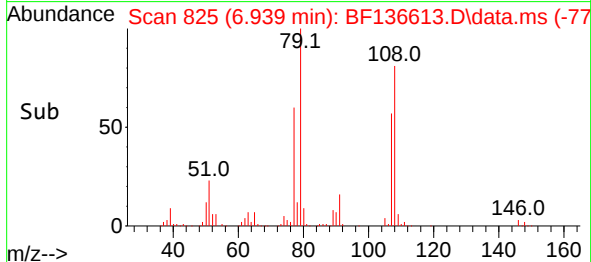
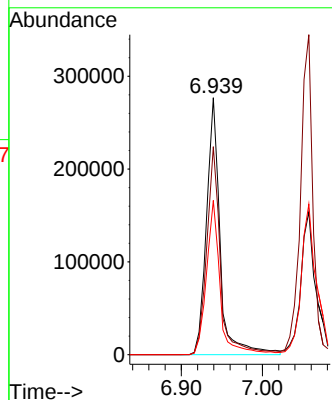
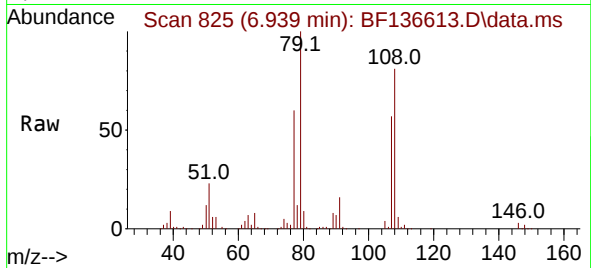




#15  
Benzyl Alcohol  
Concen: 40.790 ng  
RT: 6.939 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

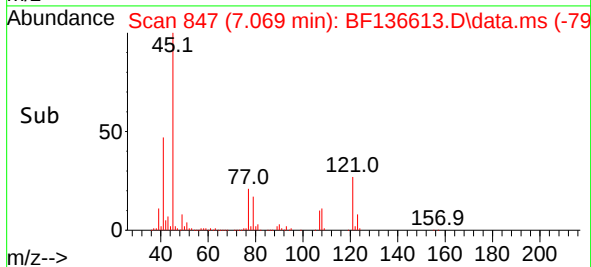
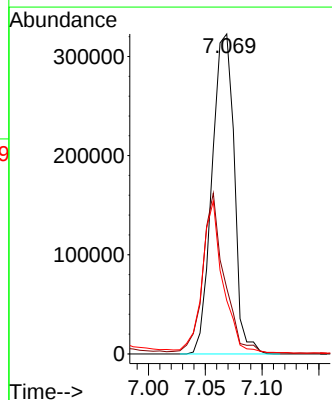
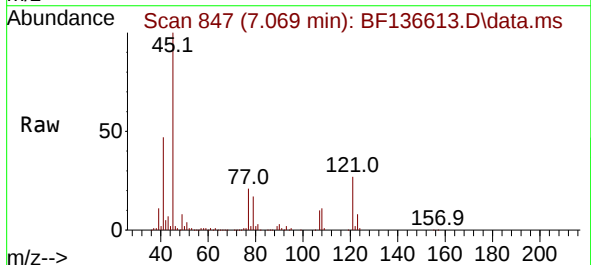
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

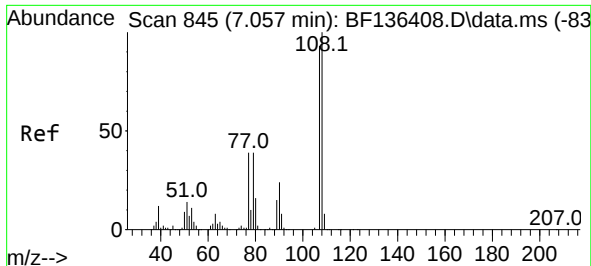
Tgt Ion: 79 Resp: 322821  
Ion Ratio Lower Upper  
79 100  
108 80.9 62.3 93.5  
77 60.0 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.370 ng  
RT: 7.069 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion: 45 Resp: 438500  
Ion Ratio Lower Upper  
45 100  
77 20.6 0.0 35.3  
79 16.7 0.0 32.5

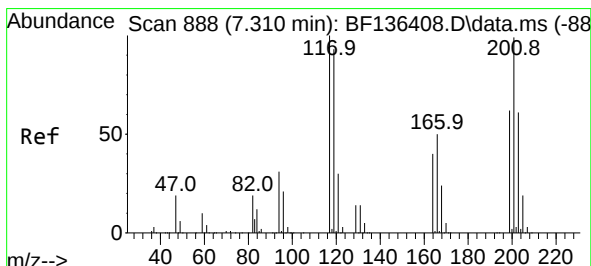
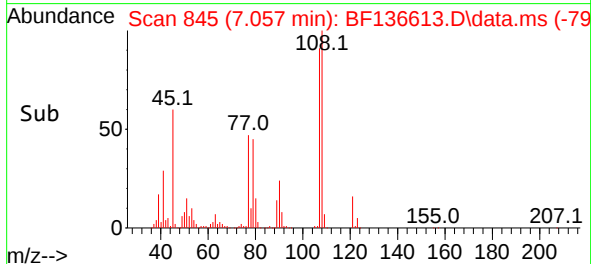
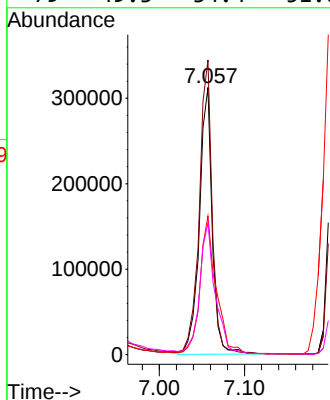
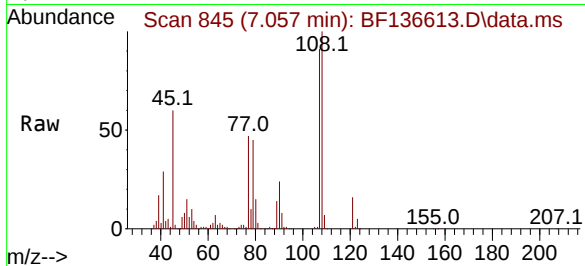




#17  
2-Methylphenol  
Concen: 39.261 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

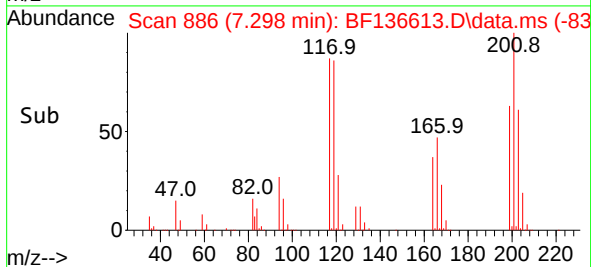
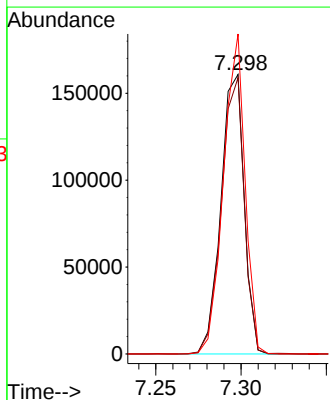
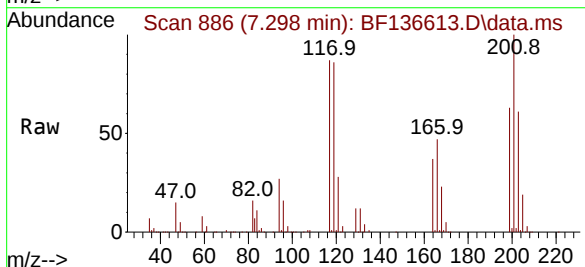
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

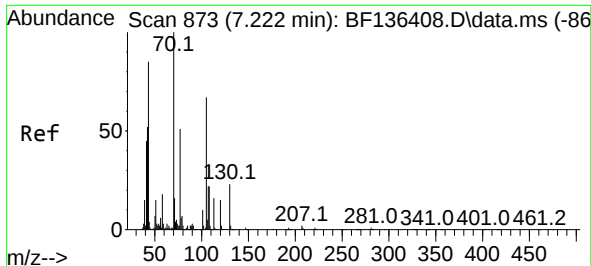
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 328024 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 110.3 | 86.5  | 129.7  |
| 77       | 51.9  | 33.8  | 50.8   |
| 79       | 49.3  | 34.4  | 51.6   |



#18  
Hexachloroethane  
Concen: 37.252 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 153441 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.9  | 74.3  | 111.5  |
| 201      | 114.5 | 79.3  | 118.9  |

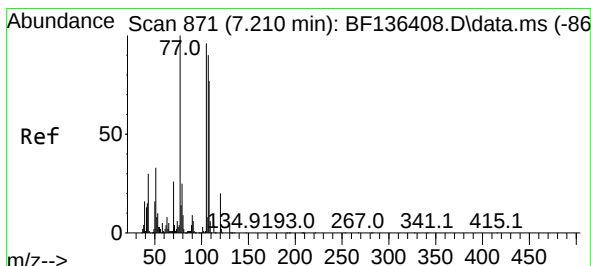
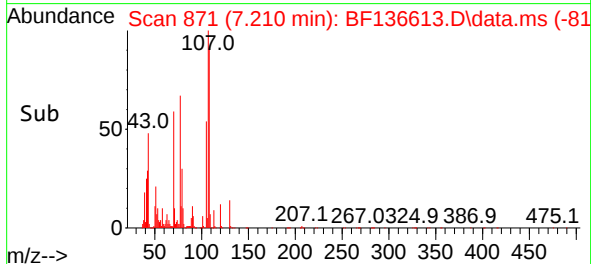
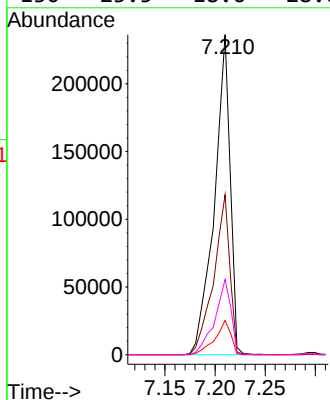
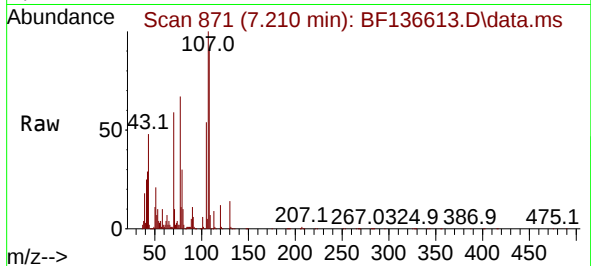




#19  
n-Nitroso-di-n-propylamine  
Concen: 37.873 ng  
RT: 7.210 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

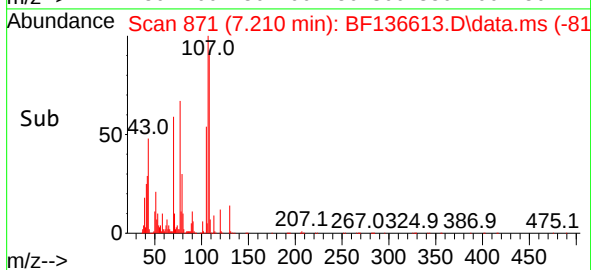
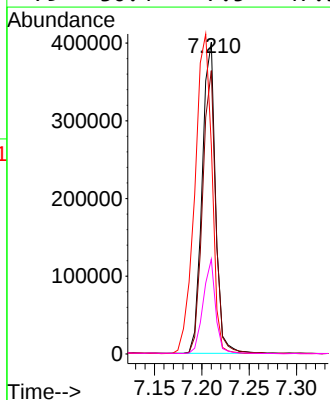
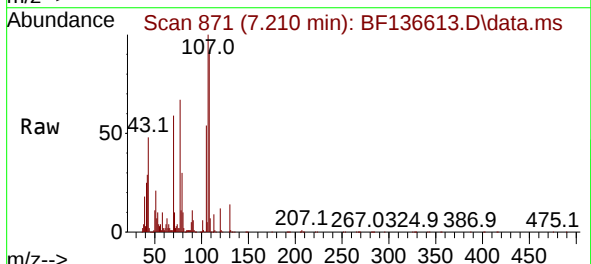
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

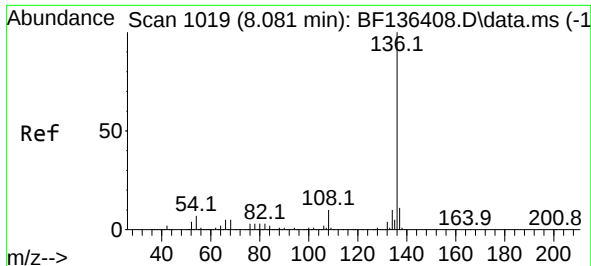
Tgt Ion: 70 Resp: 258209  
Ion Ratio Lower Upper  
70 100  
42 50.0 41.4 62.0  
101 10.7 8.2 12.4  
130 23.5 18.6 28.0



#20  
3+4-Methylphenols  
Concen: 38.019 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion: 107 Resp: 394272  
Ion Ratio Lower Upper  
107 100  
108 90.9 65.9 105.9  
77 67.0 91.7 131.7#  
79 30.4 7.5 47.5

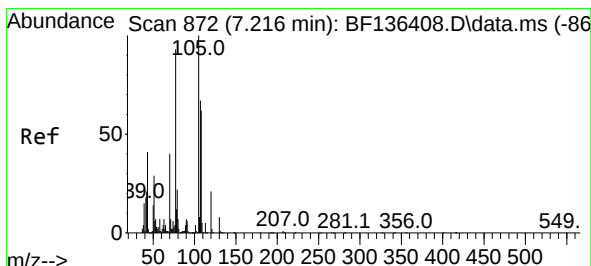
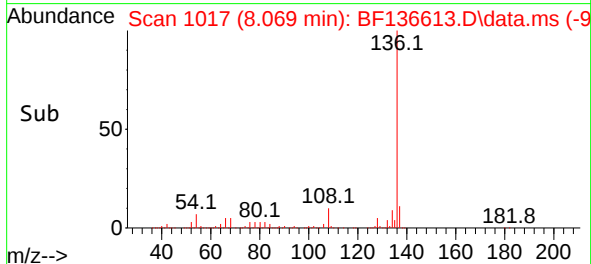
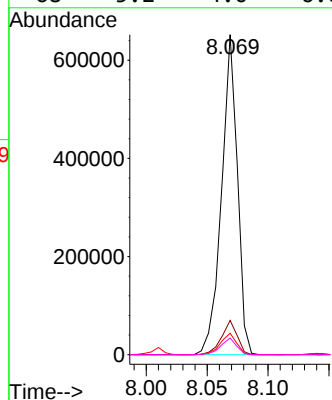
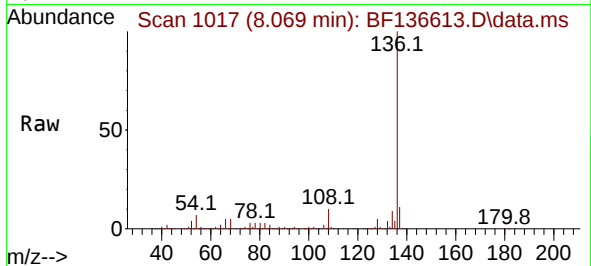




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

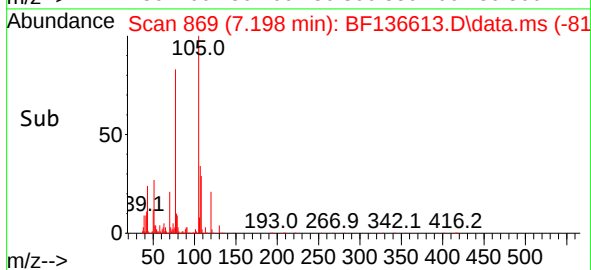
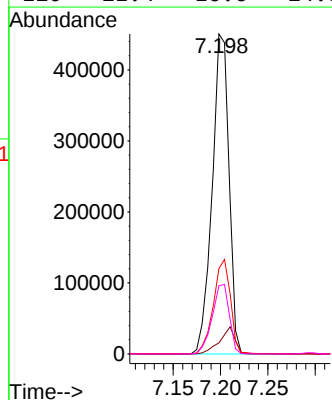
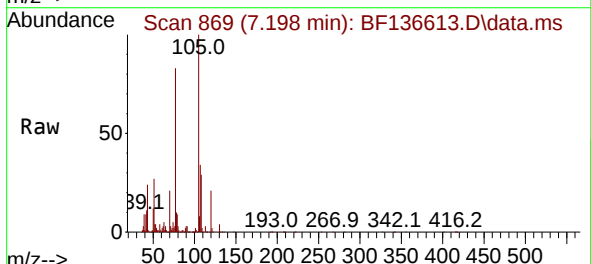
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

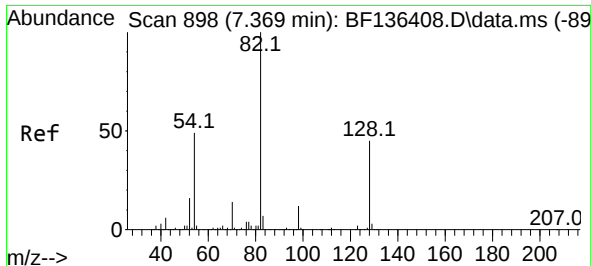
Tgt Ion:136 Resp: 590724  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 6.7 5.7 8.5  
68 5.2 4.0 6.0



#22  
Acetophenone  
Concen: 38.075 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:105 Resp: 555403  
Ion Ratio Lower Upper  
105 100  
71 3.4 5.4 8.0#  
51 26.6 23.4 35.2  
120 21.4 16.6 24.8





#23

Nitrobenzene-d5

Concen: 71.340 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.000 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

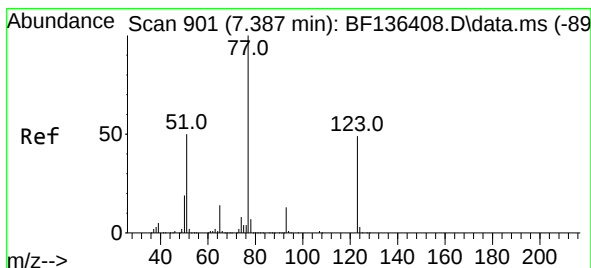
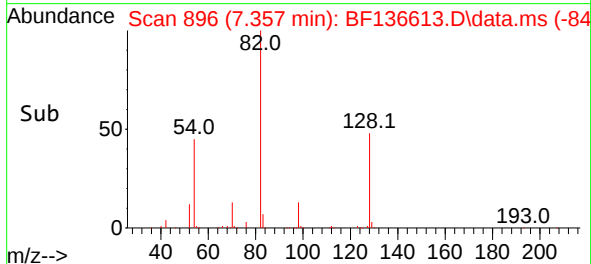
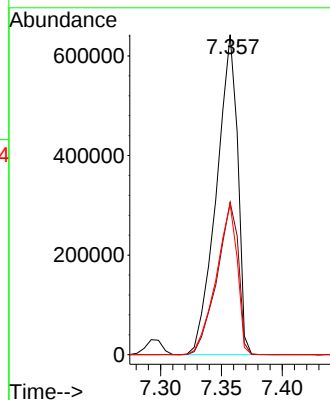
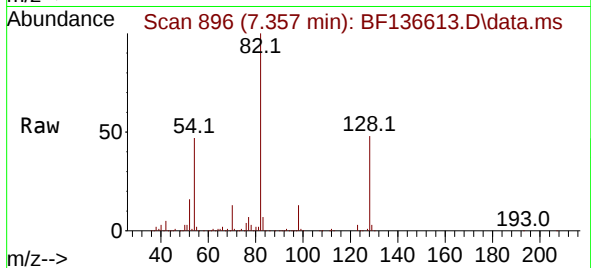
Tgt Ion: 82 Resp: 779538

Ion Ratio Lower Upper

82 100

128 47.6 36.3 54.5

54 47.0 39.0 58.6



#24

Nitrobenzene

Concen: 36.278 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.000 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

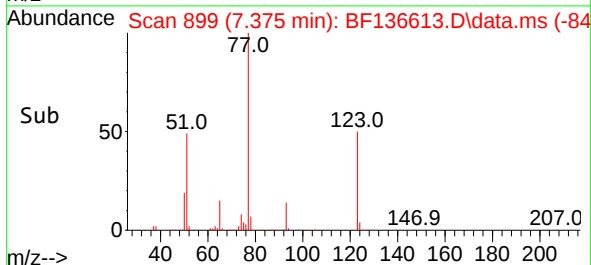
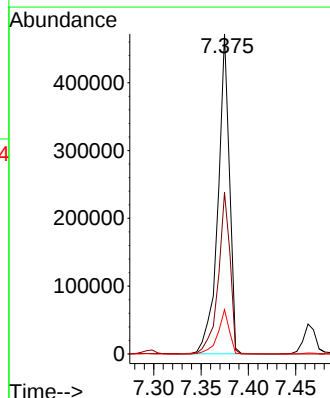
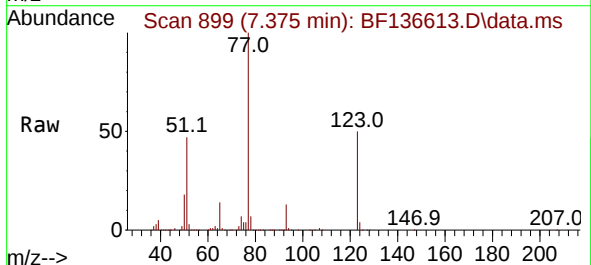
Tgt Ion: 77 Resp: 398787

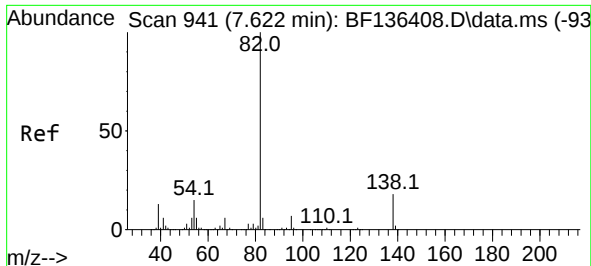
Ion Ratio Lower Upper

77 100

123 50.5 39.0 58.6

65 13.8 11.3 16.9

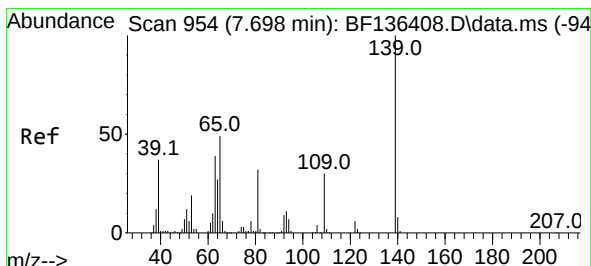
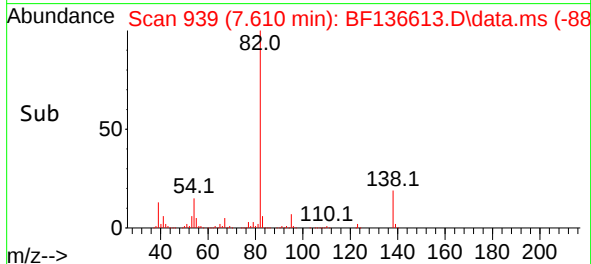
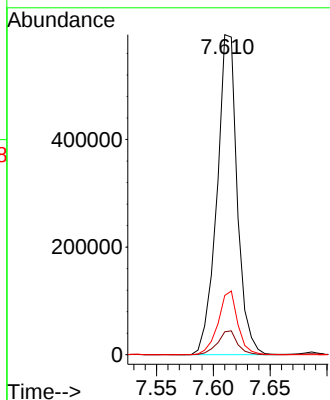
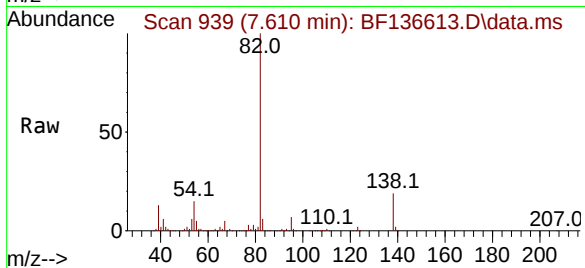




#25  
Isophorone  
Concen: 37.768 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

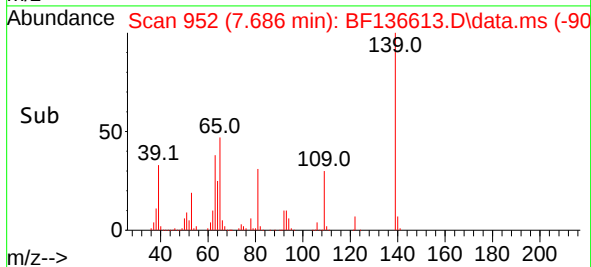
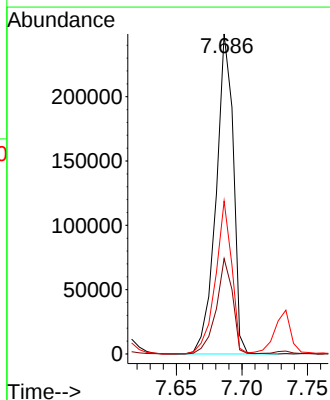
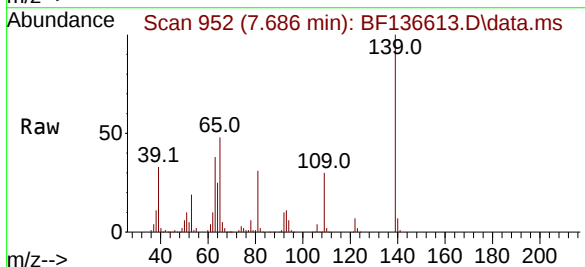
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

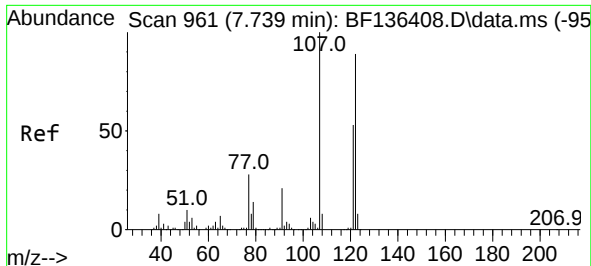
Tgt Ion: 82 Resp: 741454  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.7 8.5  
138 18.5 14.5 21.7



#26  
2-Nitrophenol  
Concen: 41.868 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:139 Resp: 226258  
Ion Ratio Lower Upper  
139 100  
109 29.8 23.6 35.4  
65 47.8 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 50.233 ng

RT: 7.733 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

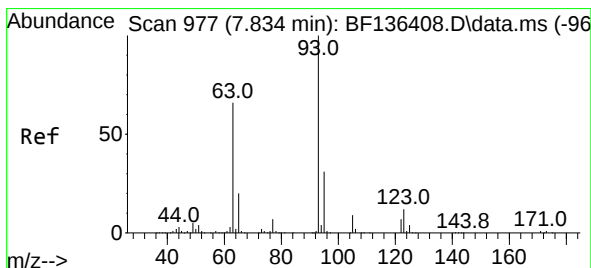
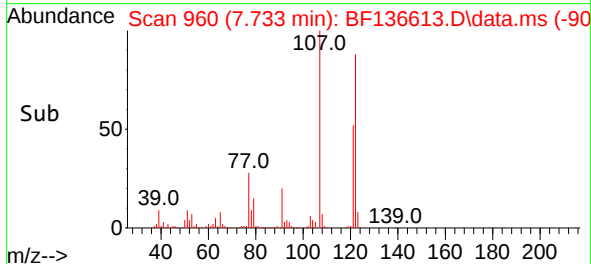
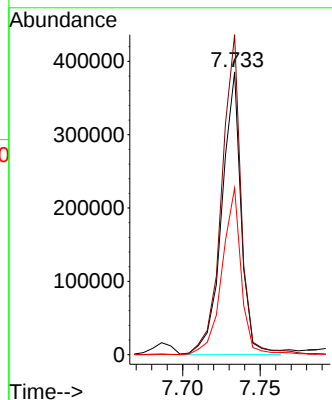
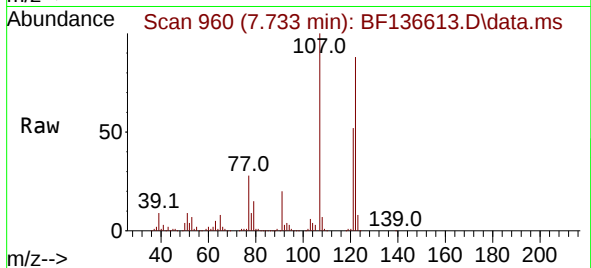
Tgt Ion:122 Resp: 334727

Ion Ratio Lower Upper

122 100

107 113.2 89.3 133.9

121 59.0 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 38.534 ng

RT: 7.822 min Scan# 975

Delta R.T. -0.000 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

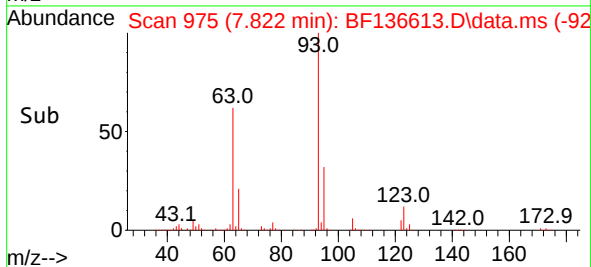
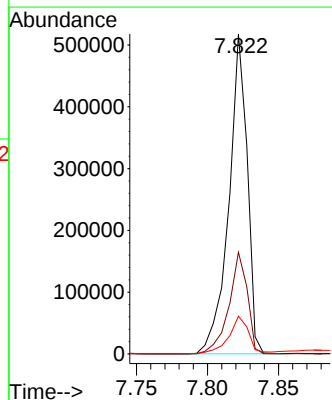
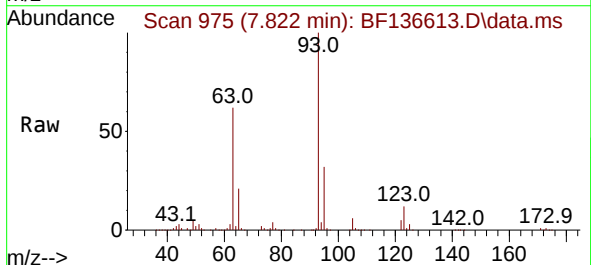
Tgt Ion: 93 Resp: 464844

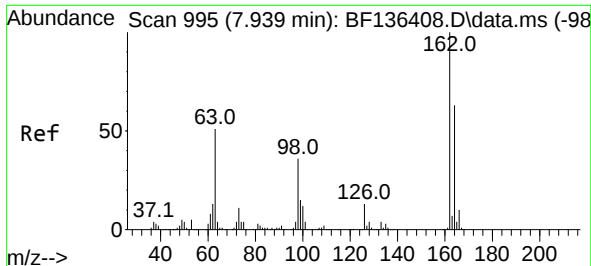
Ion Ratio Lower Upper

93 100

95 31.8 25.0 37.4

123 11.8 9.4 14.0

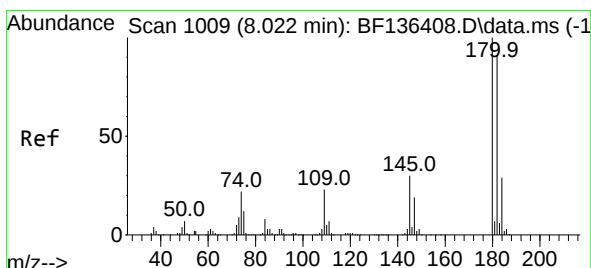
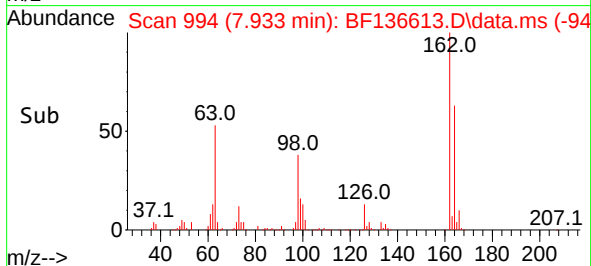
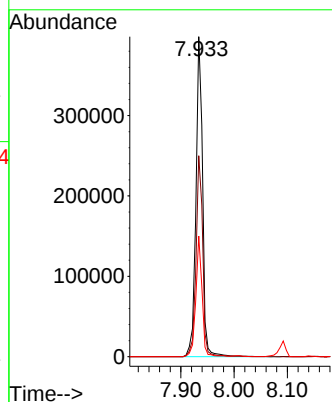
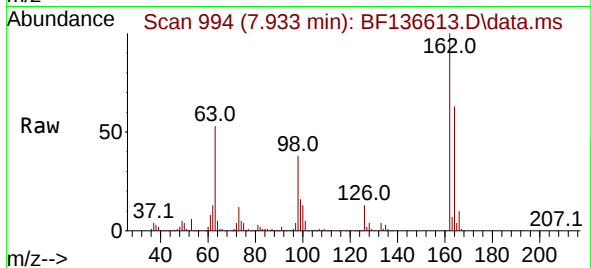




#29  
2,4-Dichlorophenol  
Concen: 39.372 ng  
RT: 7.933 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

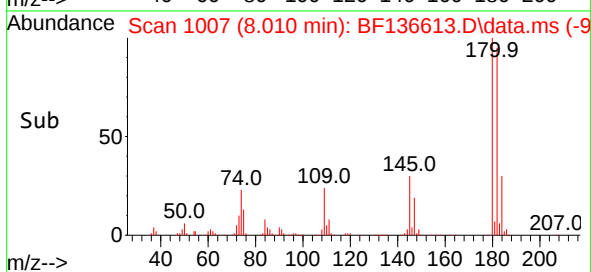
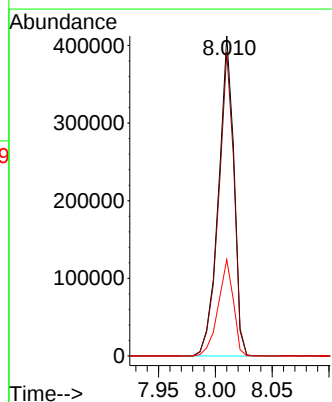
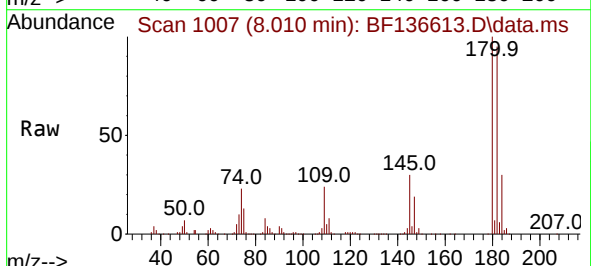
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

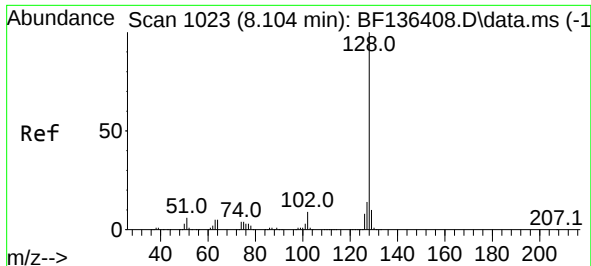
Tgt Ion:162 Resp: 346293  
Ion Ratio Lower Upper  
162 100  
164 62.8 43.0 83.0  
98 37.7 16.2 56.2



#30  
1,2,4-Trichlorobenzene  
Concen: 37.966 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:180 Resp: 389378  
Ion Ratio Lower Upper  
180 100  
182 95.0 73.1 109.7  
145 30.1 23.8 35.8

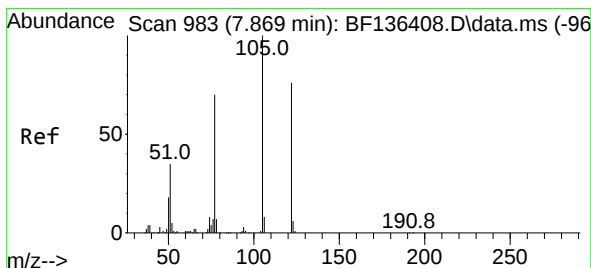
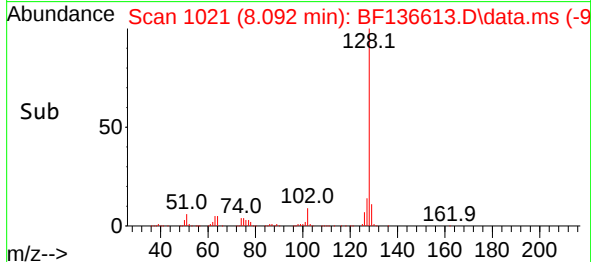
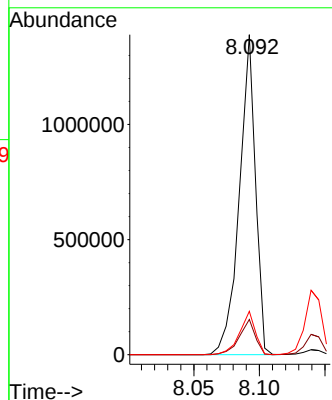
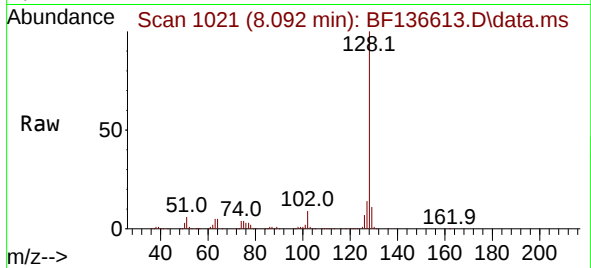




#31  
Naphthalene  
Concen: 36.655 ng  
RT: 8.092 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

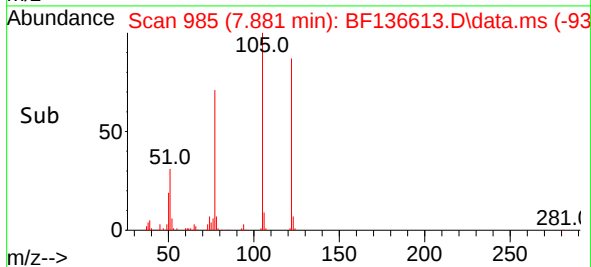
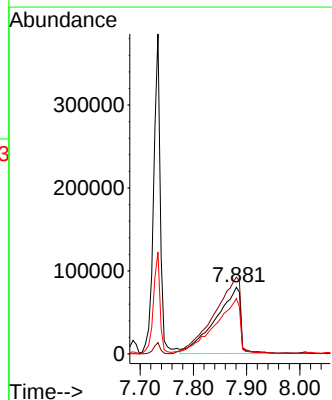
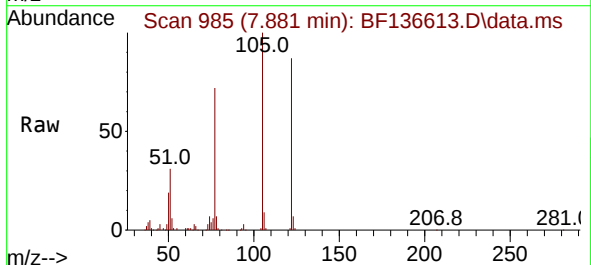
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

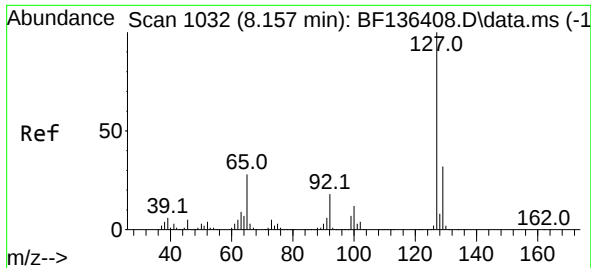
Tgt Ion:128 Resp: 1194071  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.3 12.5  
127 13.6 11.1 16.7



#32  
Benzoic acid  
Concen: 39.743 ng  
RT: 7.881 min Scan# 985  
Delta R.T. 0.023 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:122 Resp: 262714  
Ion Ratio Lower Upper  
122 100  
105 115.3 104.7 144.7  
77 83.1 68.5 108.5

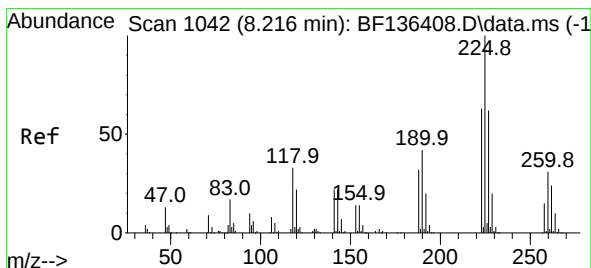
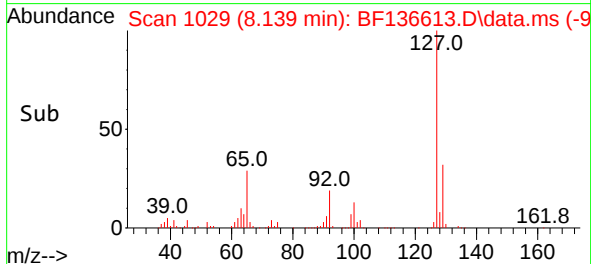
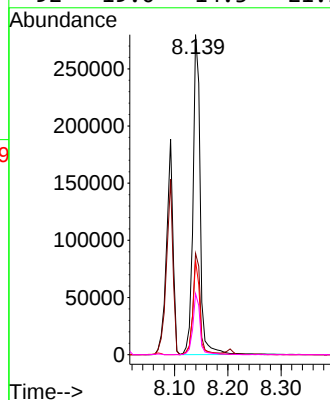
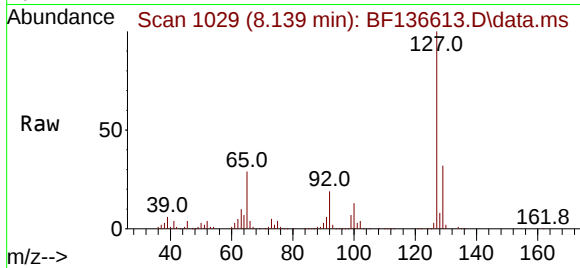




#33  
4-Chloroaniline  
Concen: 22.769 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

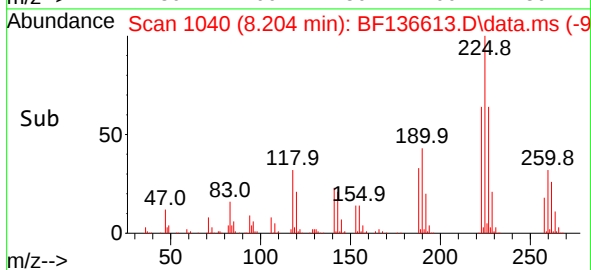
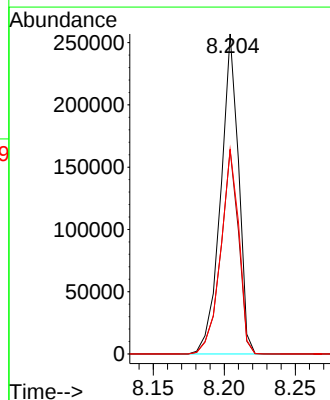
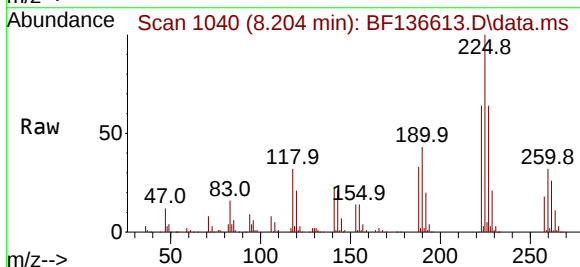
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

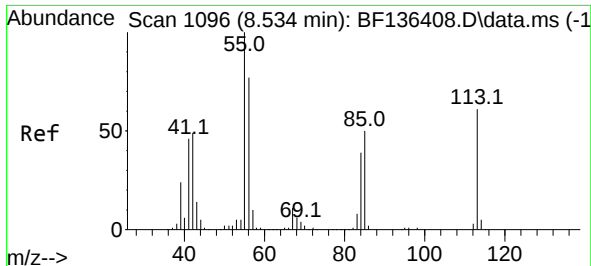
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 264431 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.7  | 25.4  | 38.2   |
| 65       | 29.4  | 22.5  | 33.7   |
| 92       | 19.0  | 14.3  | 21.5   |



#34  
Hexachlorobutadiene  
Concen: 36.763 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 223456 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.9  | 50.8  | 76.2   |
| 227      | 64.0  | 49.8  | 74.8   |

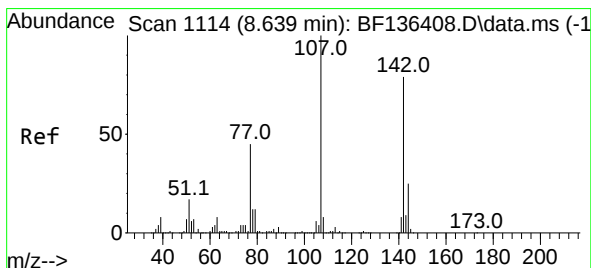
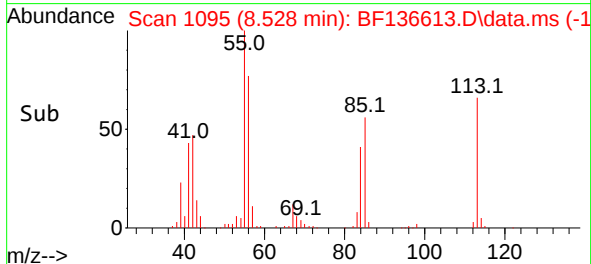
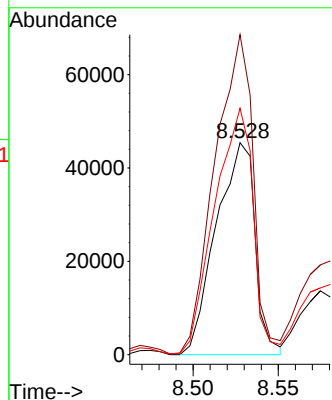
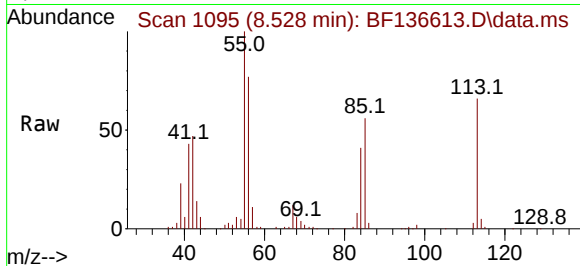




#35  
Caprolactam  
Concen: 26.514 ng  
RT: 8.528 min Scan# 1095  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

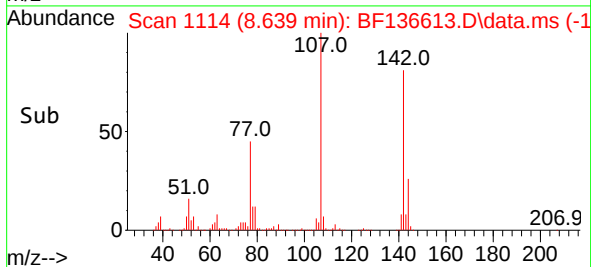
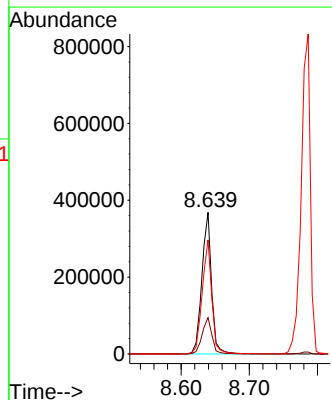
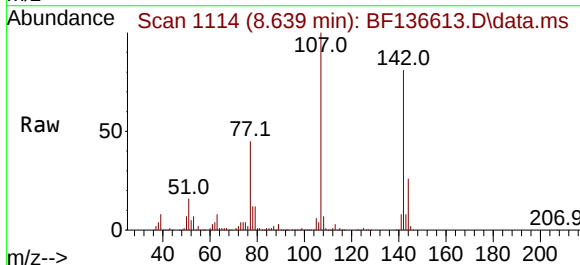
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

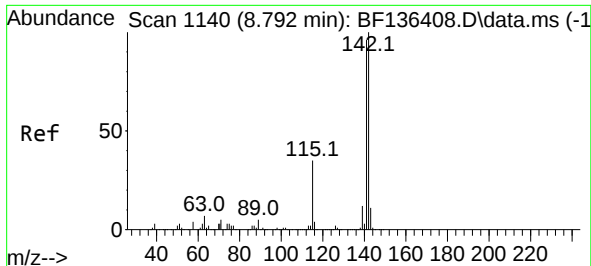
Tgt Ion:113 Resp: 71815  
Ion Ratio Lower Upper  
113 100  
55 151.0 143.7 183.7  
56 116.2 105.2 145.2



#36  
4-Chloro-3-methylphenol  
Concen: 39.008 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:107 Resp: 364288  
Ion Ratio Lower Upper  
107 100  
144 25.6 20.1 30.1  
142 80.6 63.1 94.7





#37

2-Methylnaphthalene

Concen: 37.415 ng

RT: 8.786 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

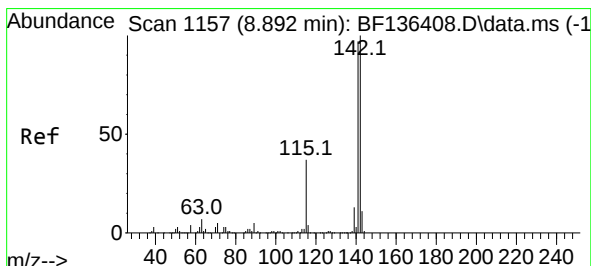
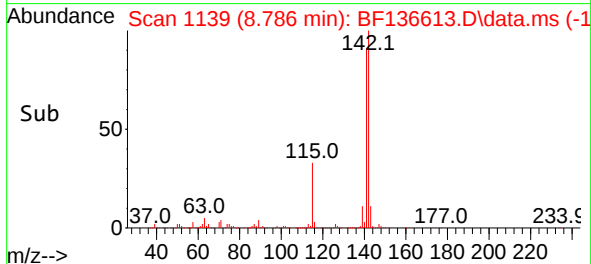
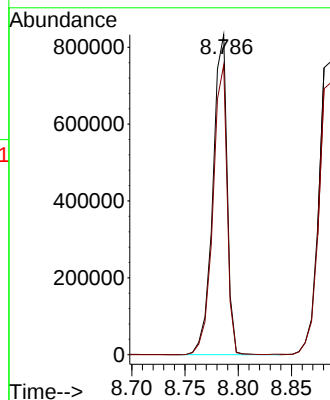
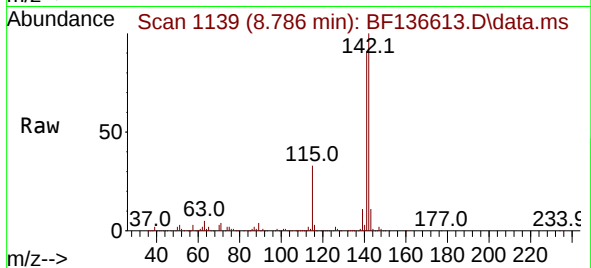
PB157801BSD

Tgt Ion:142 Resp: 775409

Ion Ratio Lower Upper

142 100

141 90.6 76.4 114.6



#38

1-Methylnaphthalene

Concen: 36.417 ng

RT: 8.886 min Scan# 1156

Delta R.T. 0.006 min

Lab File: BF136613.D

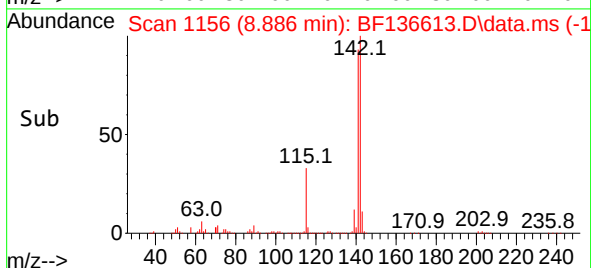
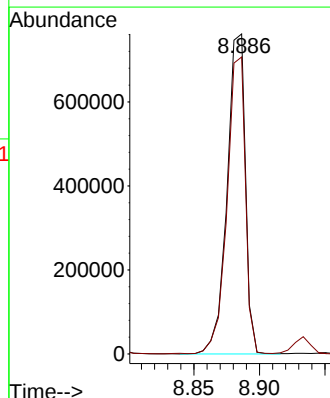
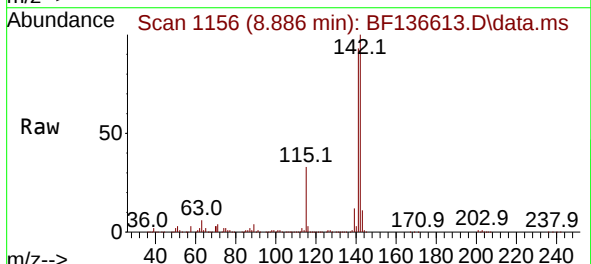
Acq: 18 Dec 2023 14:24

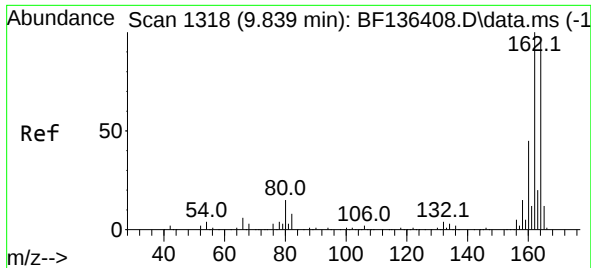
Tgt Ion:142 Resp: 740595

Ion Ratio Lower Upper

142 100

141 92.8 77.7 116.5

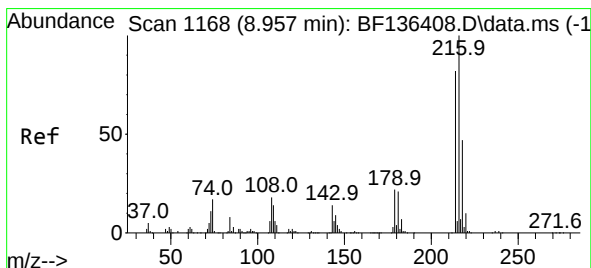
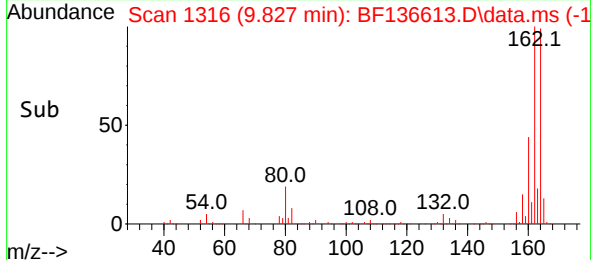
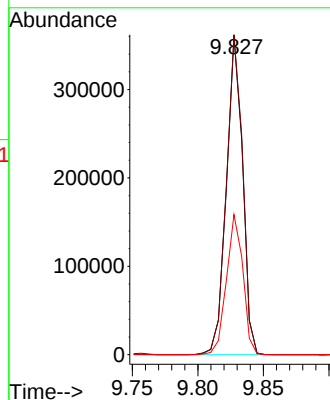
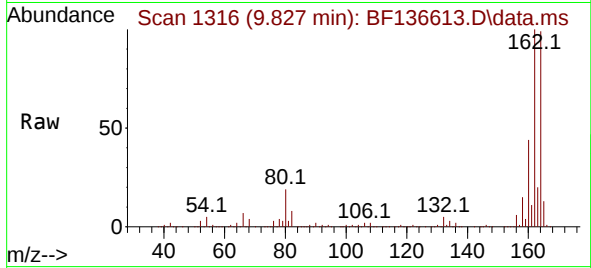




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

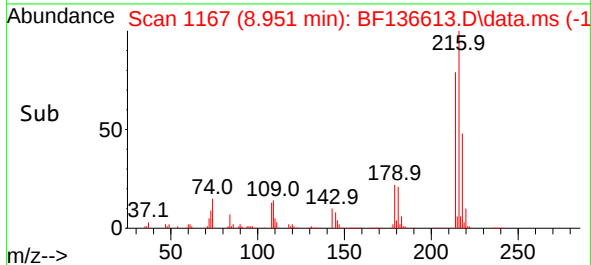
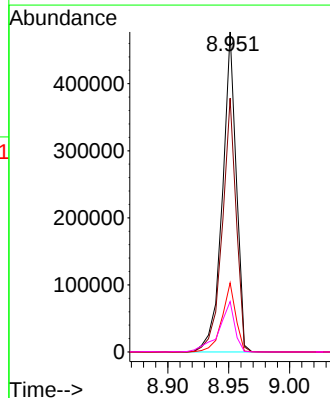
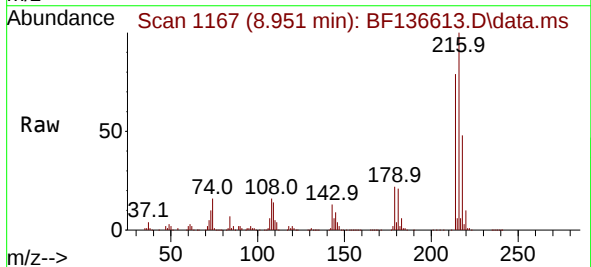
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

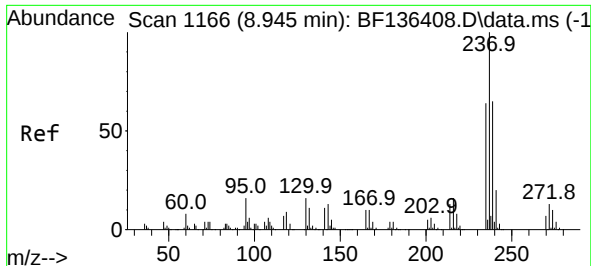
Tgt Ion:164 Resp: 308731  
Ion Ratio Lower Upper  
164 100  
162 100.6 84.4 126.6  
160 44.1 37.6 56.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.464 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:216 Resp: 379051  
Ion Ratio Lower Upper  
216 100  
214 79.3 64.1 96.1  
179 21.4 17.0 25.6  
108 18.0 14.1 21.1

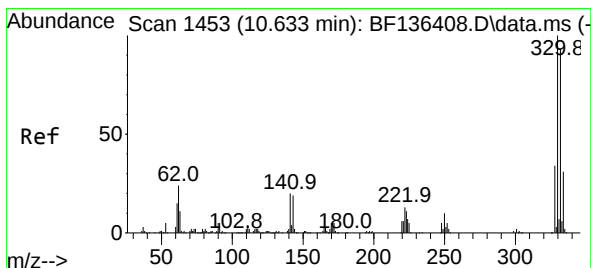
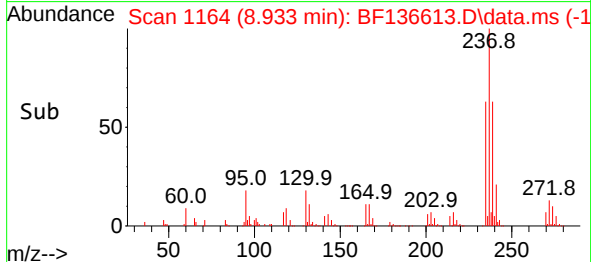
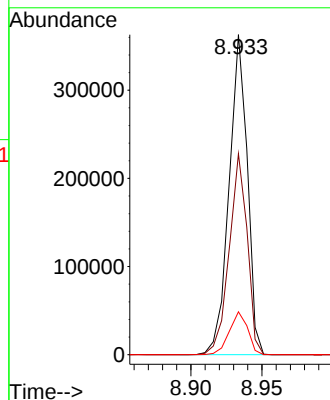
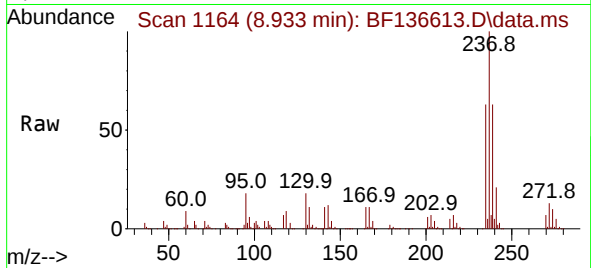




#41  
Hexachlorocyclopentadiene  
Concen: 90.985 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

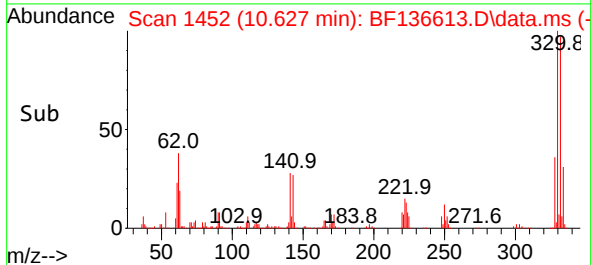
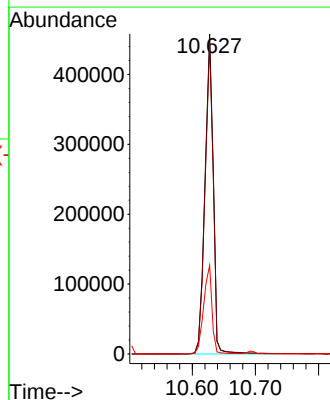
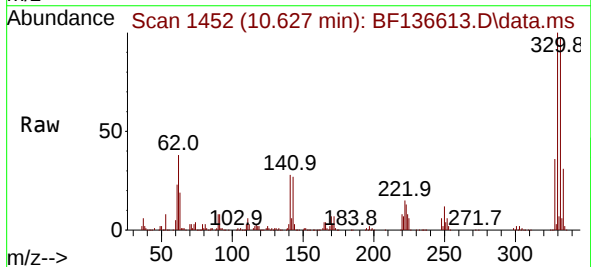
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

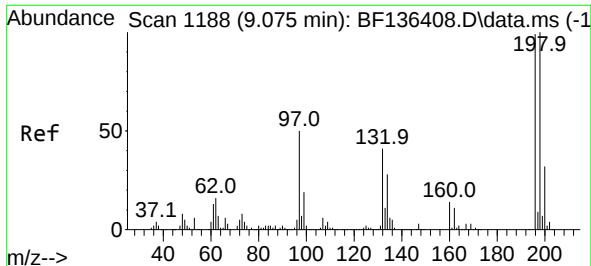
Tgt Ion:237 Resp: 323764  
Ion Ratio Lower Upper  
237 100  
235 62.8 44.1 84.1  
272 13.4 0.0 33.3



#42  
2,4,6-Tribromophenol  
Concen: 110.493 ng  
RT: 10.627 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:330 Resp: 420610  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.4 114.6  
141 27.6 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 40.012 ng

RT: 9.069 min Scan# 1187

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

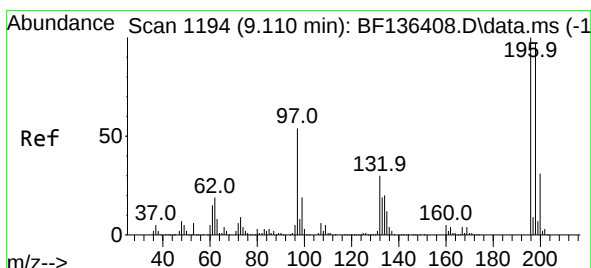
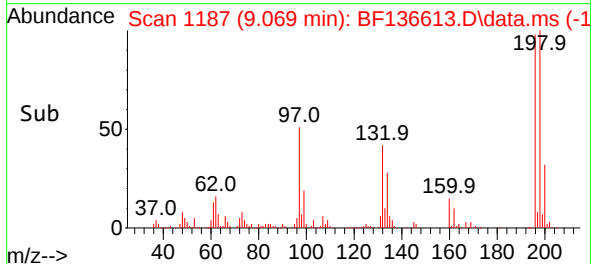
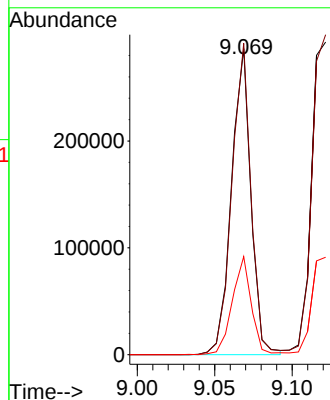
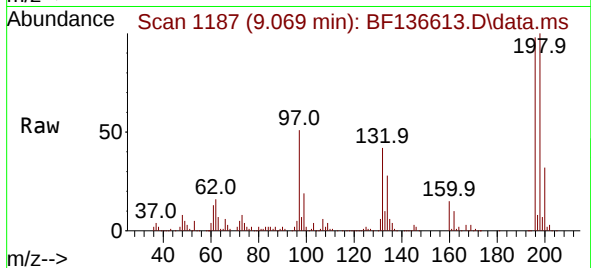
Tgt Ion:196 Resp: 250239

Ion Ratio Lower Upper

196 100

198 101.7 80.4 120.6

200 32.1 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 38.184 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.018 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Tgt Ion:196 Resp: 266530

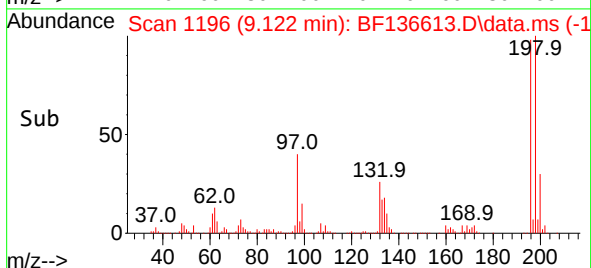
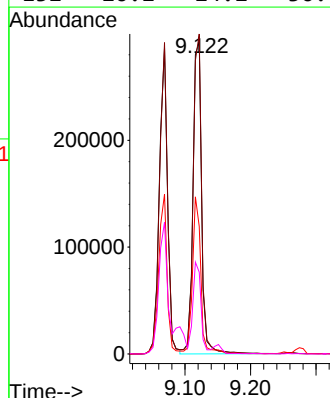
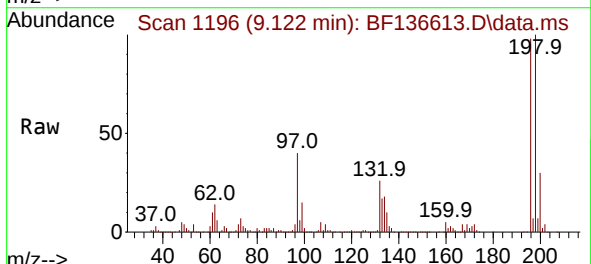
Ion Ratio Lower Upper

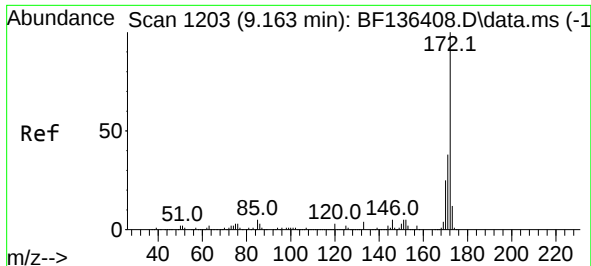
196 100

198 102.4 78.1 117.1

97 40.8 43.4 65.2#

132 26.2 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 69.959 ng

RT: 9.151 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

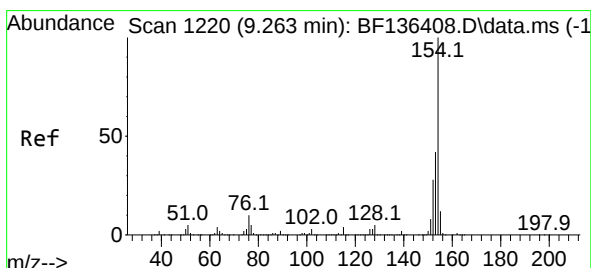
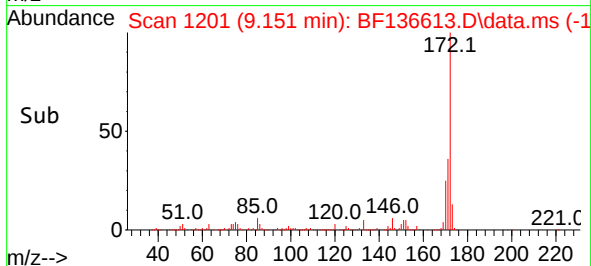
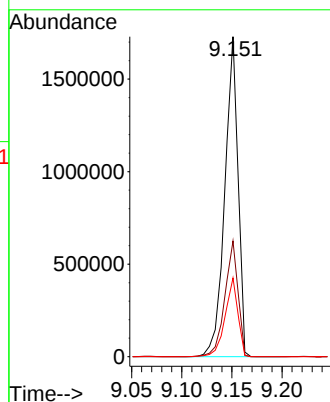
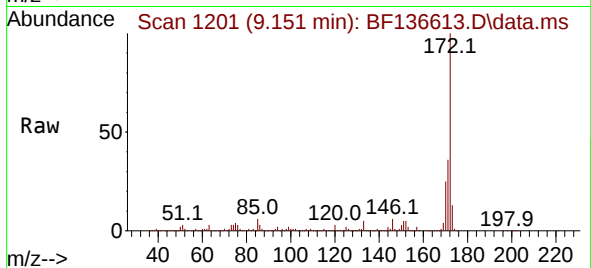
Tgt Ion:172 Resp: 1582894

Ion Ratio Lower Upper

172 100

171 36.1 30.5 45.7

170 24.6 19.9 29.9



#46

1,1'-Biphenyl

Concen: 37.761 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

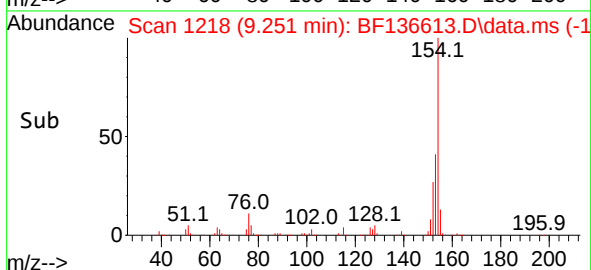
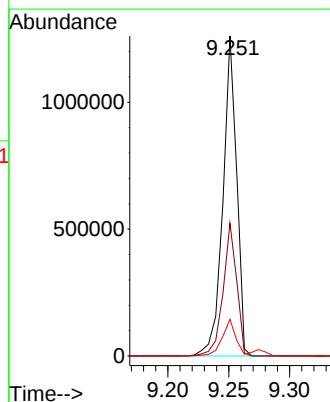
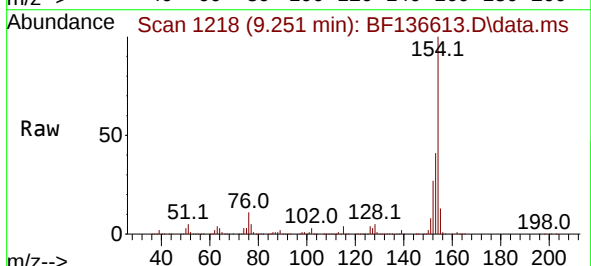
Tgt Ion:154 Resp: 991970

Ion Ratio Lower Upper

154 100

153 41.5 22.5 62.5

76 11.5 0.0 29.9





#47

2-Chloronaphthalene

Concen: 37.123 ng

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

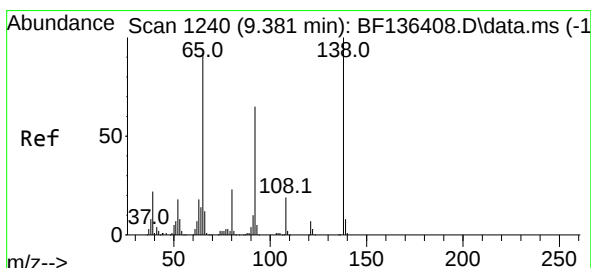
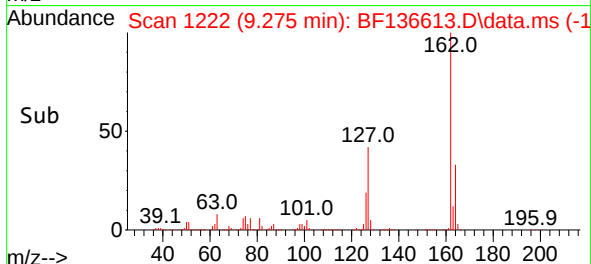
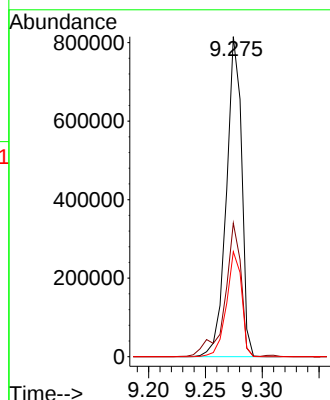
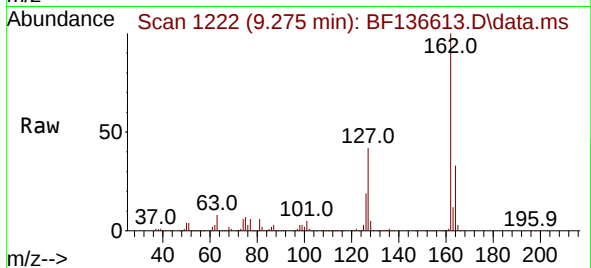
Tgt Ion:162 Resp: 759033

Ion Ratio Lower Upper

162 100

127 41.7 31.1 46.7

164 32.8 24.6 37.0



#48

2-Nitroaniline

Concen: 38.943 ng

RT: 9.375 min Scan# 1239

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

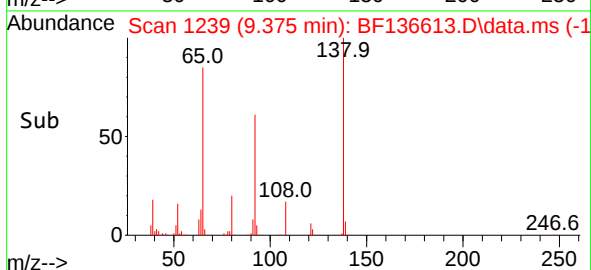
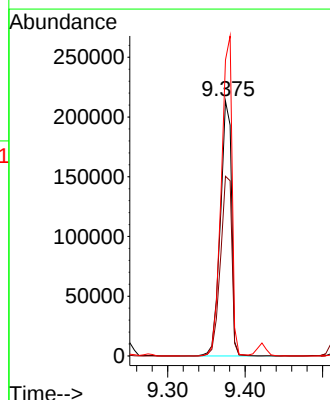
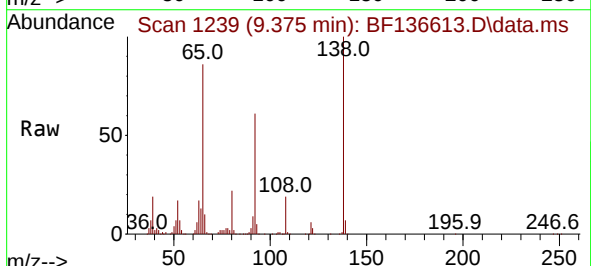
Tgt Ion: 65 Resp: 213555

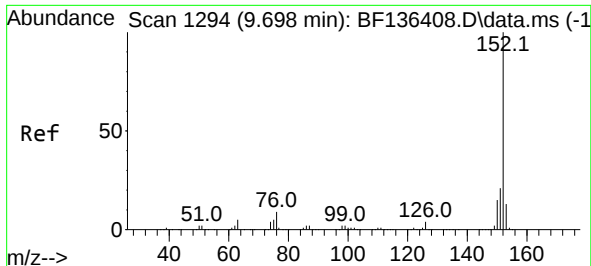
Ion Ratio Lower Upper

65 100

92 70.5 56.1 84.1

138 116.1 86.7 130.1





#49

Acenaphthylene

Concen: 39.202 ng

RT: 9.692 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

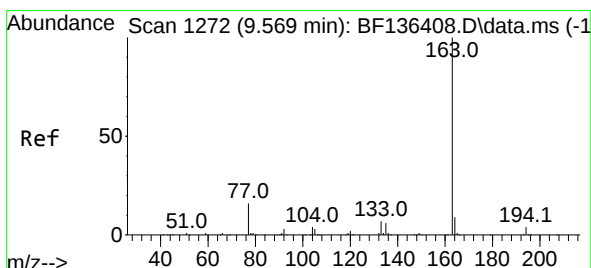
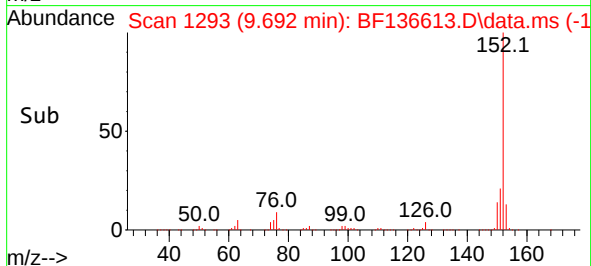
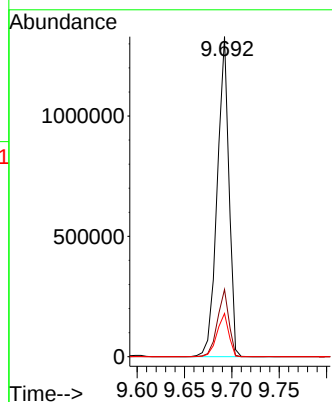
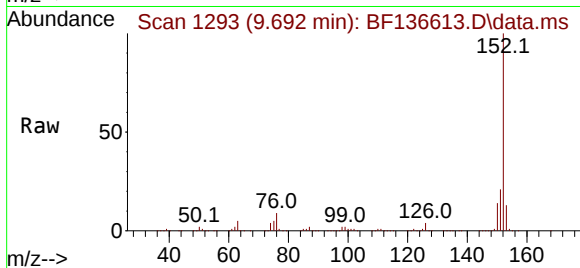
Tgt Ion:152 Resp: 1141810

Ion Ratio Lower Upper

152 100

151 21.0 17.2 25.8

153 13.5 10.6 15.8



#50

Dimethylphthalate

Concen: 40.389 ng

RT: 9.557 min Scan# 1270

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

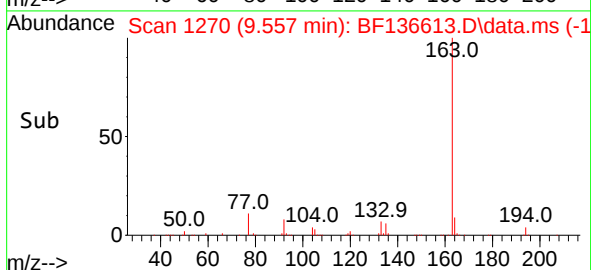
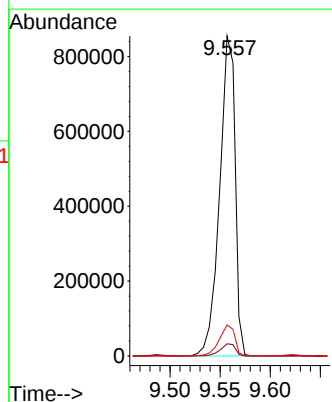
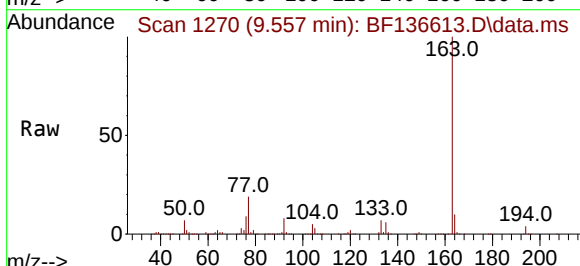
Tgt Ion:163 Resp: 918044

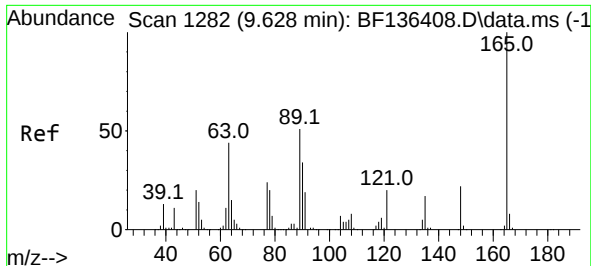
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 9.7 7.4 11.2

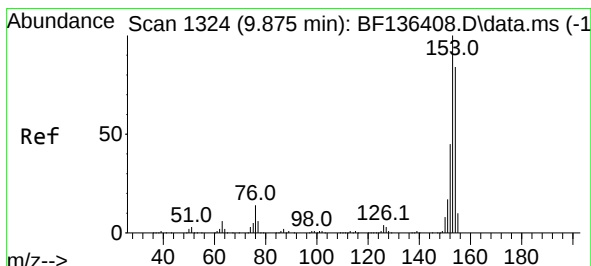
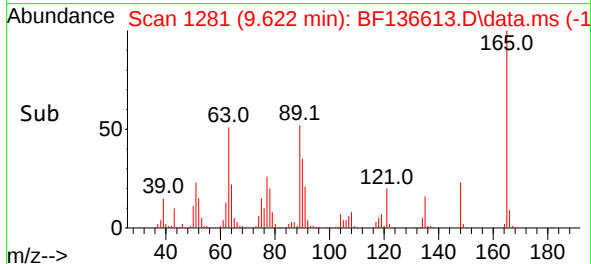
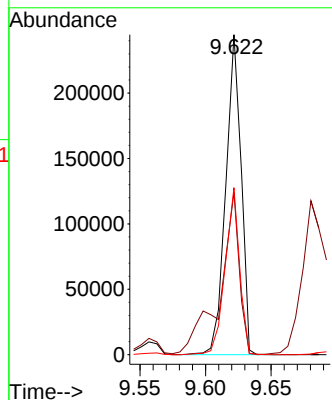
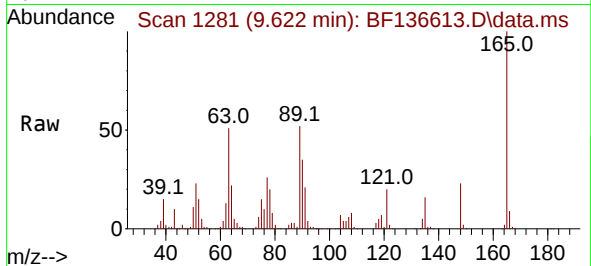




#51  
2,6-Dinitrotoluene  
Concen: 38.773 ng  
RT: 9.622 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

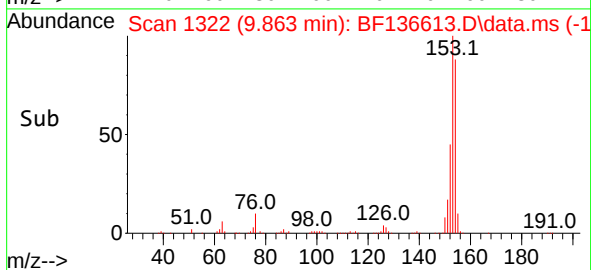
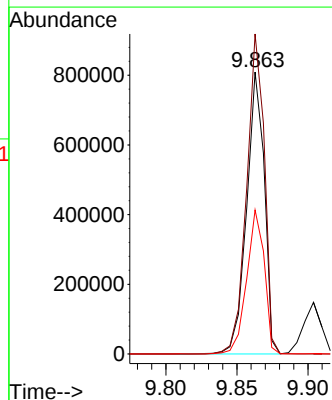
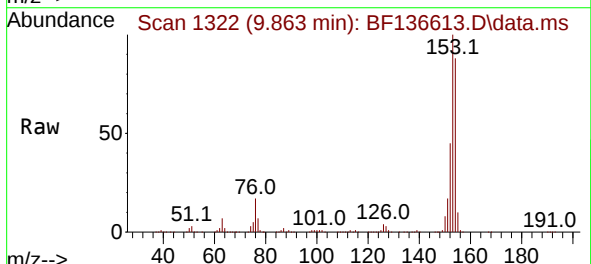
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

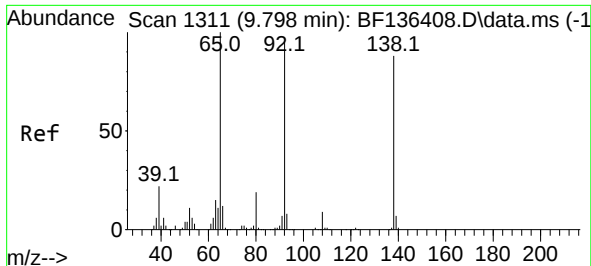
Tgt Ion:165 Resp: 198269  
Ion Ratio Lower Upper  
165 100  
63 50.8 40.4 60.6  
89 52.2 40.6 60.8



#52  
Acenaphthene  
Concen: 37.626 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:154 Resp: 702277  
Ion Ratio Lower Upper  
154 100  
153 113.5 95.3 142.9  
152 51.1 43.2 64.8





#53

3-Nitroaniline

Concen: 32.313 ng

RT: 9.792 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

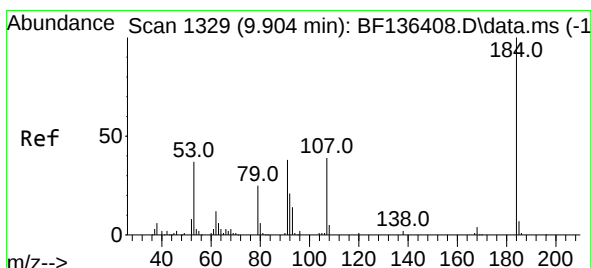
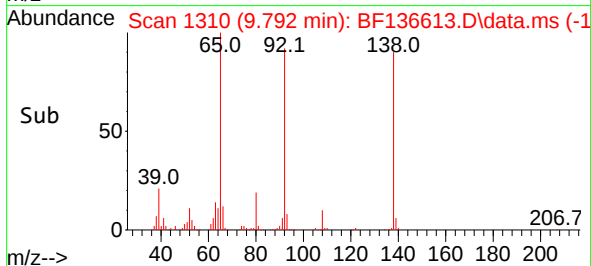
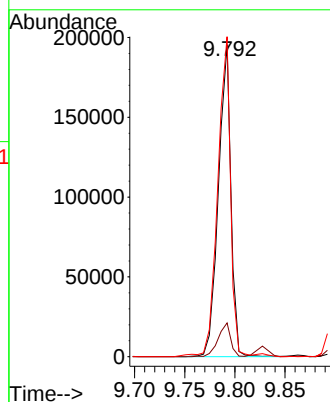
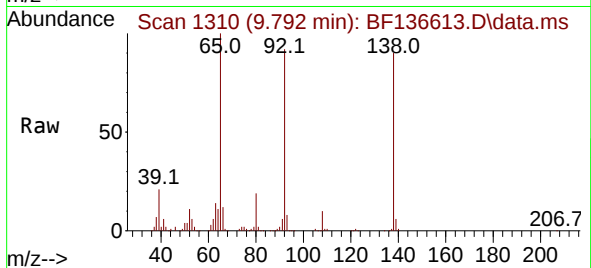
Tgt Ion:138 Resp: 168734

Ion Ratio Lower Upper

138 100

108 10.8 8.5 12.7

92 102.6 86.1 129.1



#54

2,4-Dinitrophenol

Concen: 82.457 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.012 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

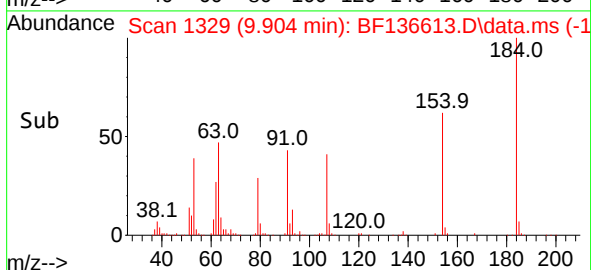
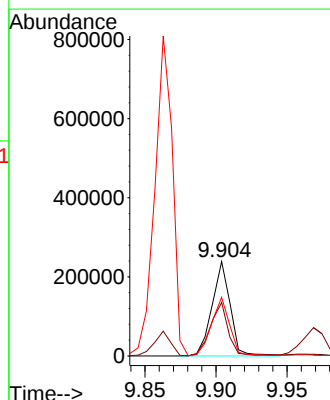
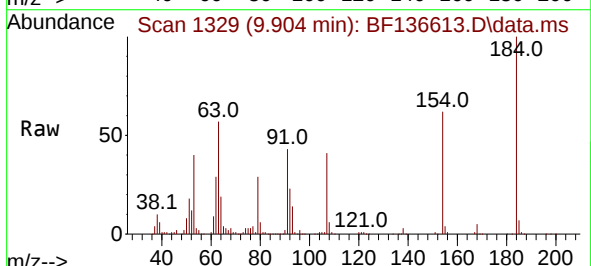
Tgt Ion:184 Resp: 213187

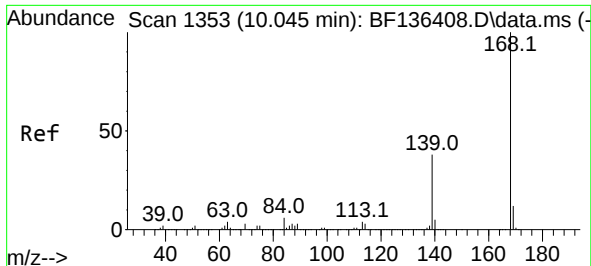
Ion Ratio Lower Upper

184 100

63 56.6 39.1 58.7

154 62.1 49.9 74.9

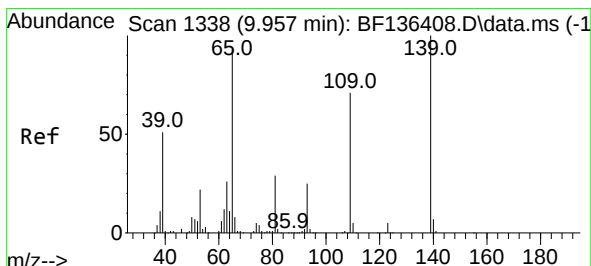
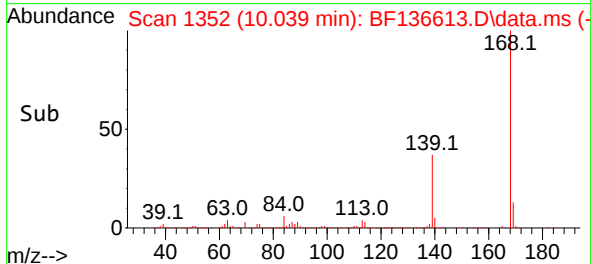
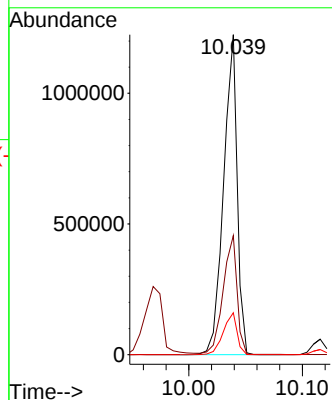
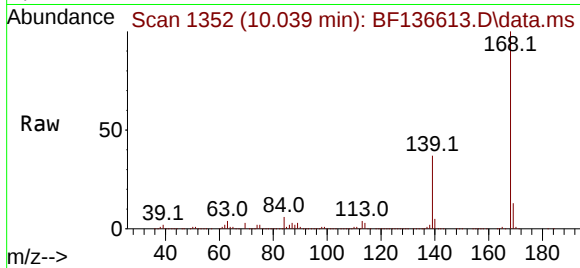




#55  
Dibenzenofuran  
Concen: 37.350 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

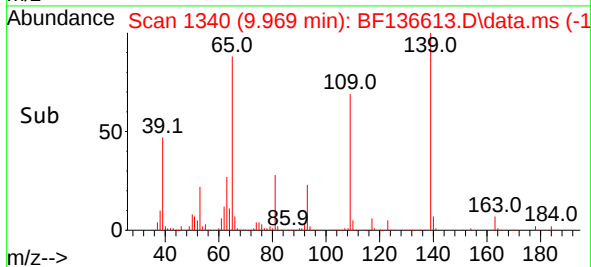
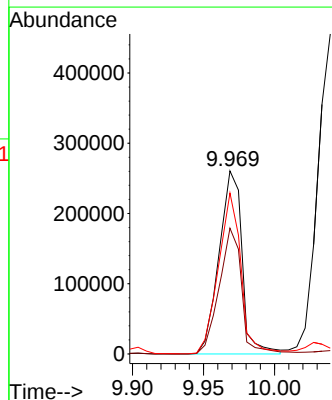
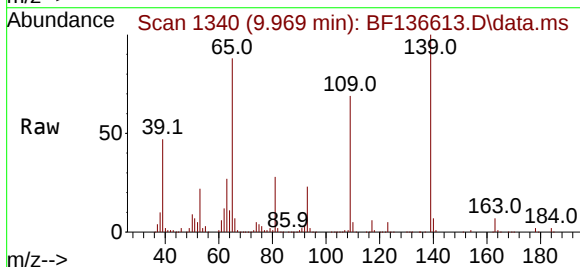
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

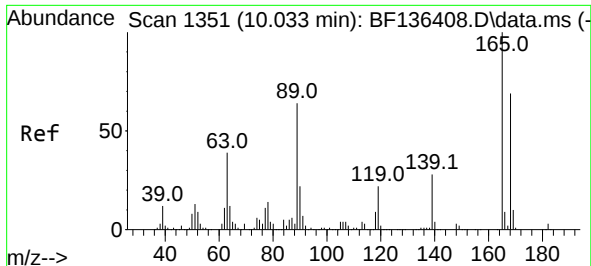
Tgt Ion:168 Resp: 1018394  
Ion Ratio Lower Upper  
168 100  
139 37.2 30.4 45.6  
169 13.1 9.9 14.9



#56  
4-Nitrophenol  
Concen: 74.909 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.018 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:139 Resp: 293233  
Ion Ratio Lower Upper  
139 100  
109 68.6 50.6 90.6  
65 87.9 73.1 113.1

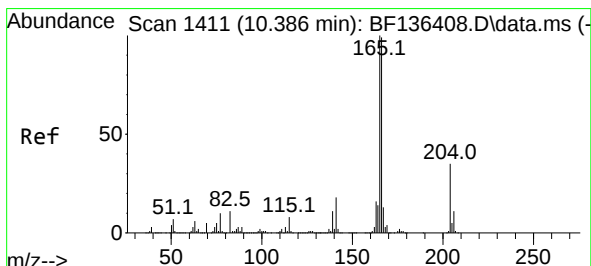
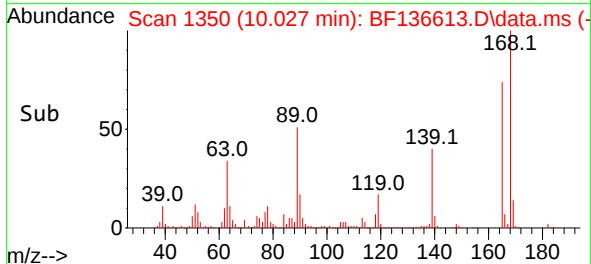
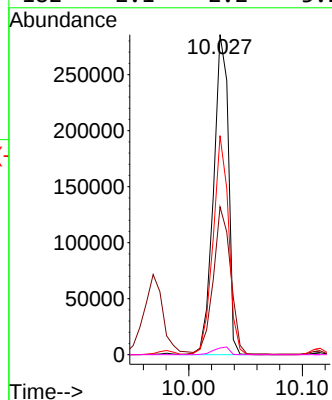
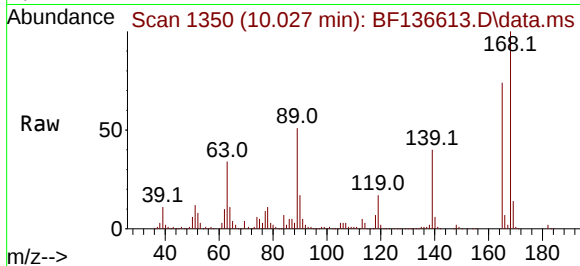




#57  
2,4-Dinitrotoluene  
Concen: 38.369 ng  
RT: 10.027 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

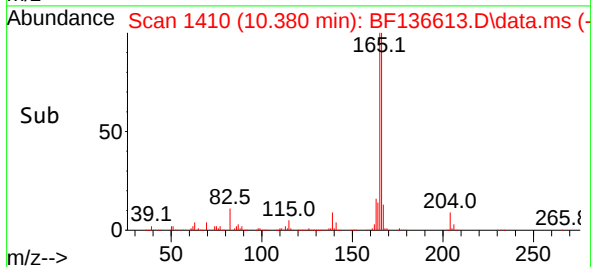
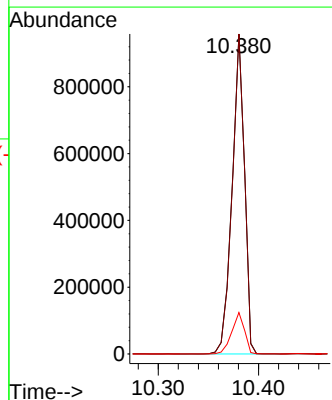
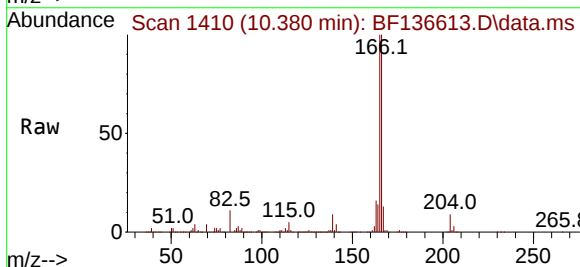
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

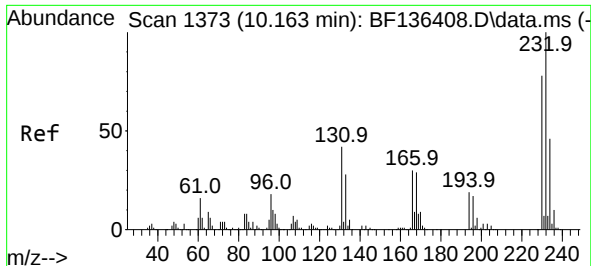
Tgt Ion:165 Resp: 259555  
Ion Ratio Lower Upper  
165 100  
63 46.2 31.4 47.2  
89 68.5 51.7 77.5  
182 2.1 2.2 3.2#



#58  
Fluorene  
Concen: 37.374 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:166 Resp: 818040  
Ion Ratio Lower Upper  
166 100  
165 100.0 80.5 120.7  
167 13.0 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 40.536 ng

RT: 10.157 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

Tgt Ion:232 Resp: 226644

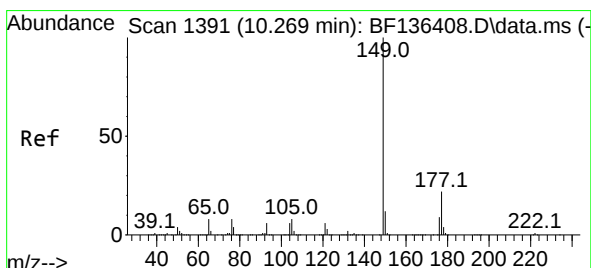
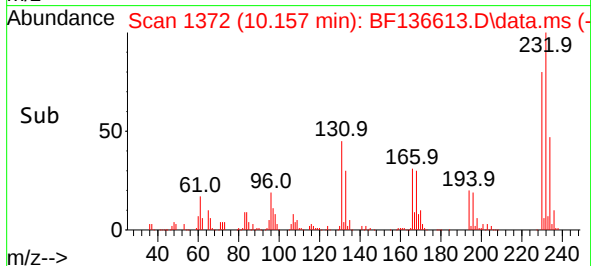
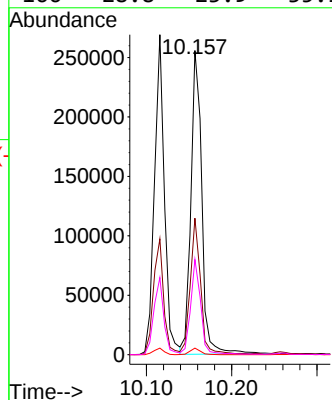
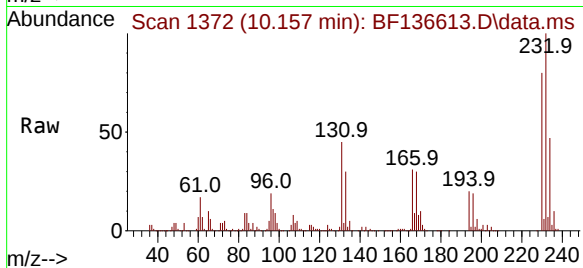
Ion Ratio Lower Upper

232 100

131 42.0 34.3 51.5

130 2.1 1.6 2.4

166 28.8 23.9 35.9



#60

Diethylphthalate

Concen: 38.865 ng

RT: 10.263 min Scan# 1390

Delta R.T. 0.012 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

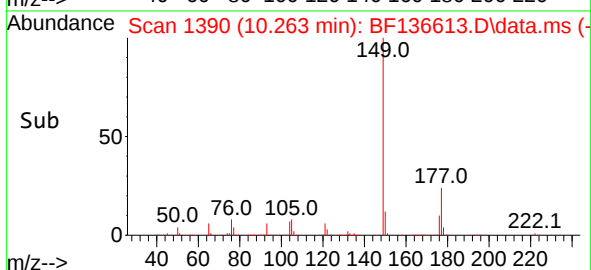
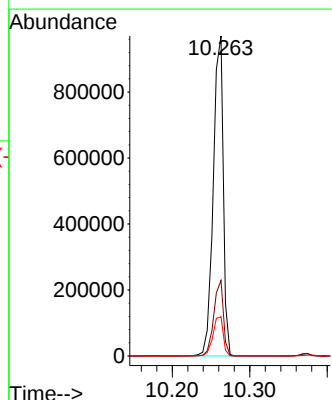
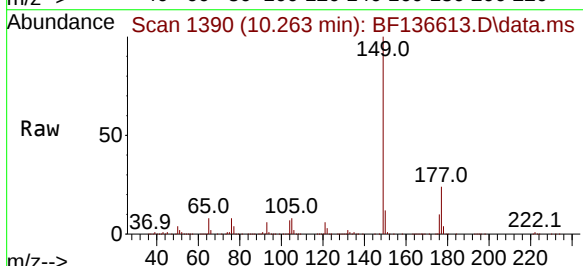
Tgt Ion:149 Resp: 868677

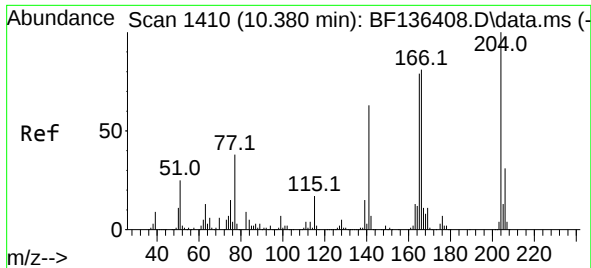
Ion Ratio Lower Upper

149 100

177 23.6 17.8 26.8

150 12.2 9.4 14.0

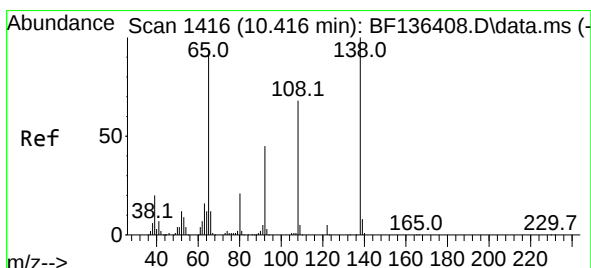
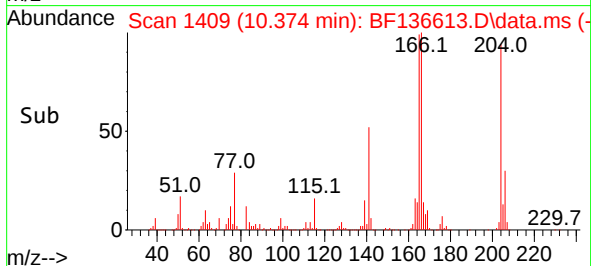
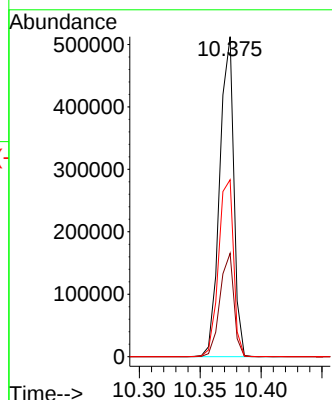
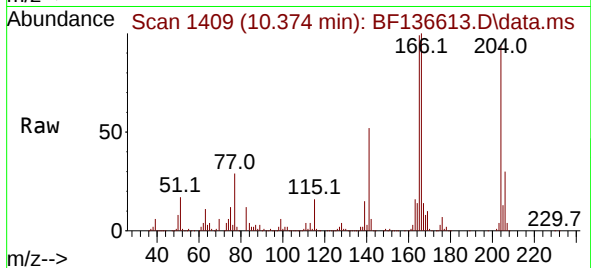




#61  
4-Chlorophenyl-phenylether  
Concen: 38.735 ng  
RT: 10.374 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

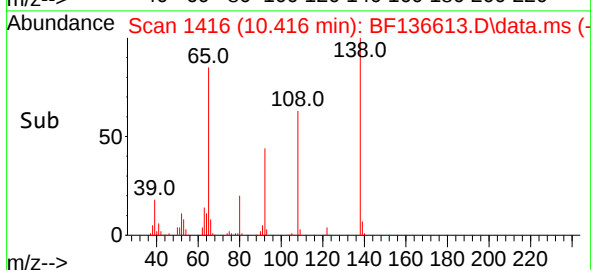
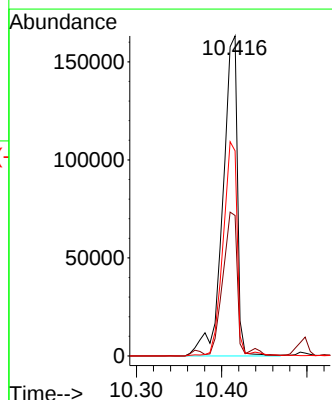
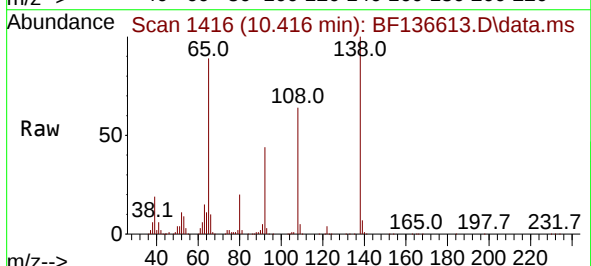
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

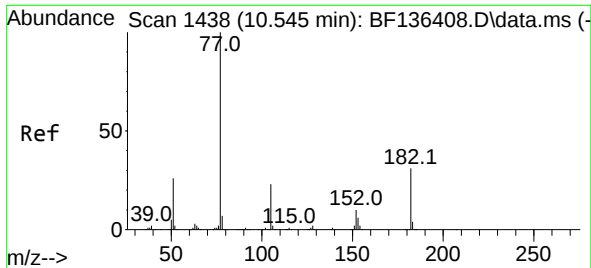
Tgt Ion:204 Resp: 413309  
Ion Ratio Lower Upper  
204 100  
206 32.3 24.6 36.8  
141 55.3 50.3 75.5



#62  
4-Nitroaniline  
Concen: 37.370 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:138 Resp: 193766  
Ion Ratio Lower Upper  
138 100  
92 43.9 25.0 65.0  
108 64.1 47.9 87.9

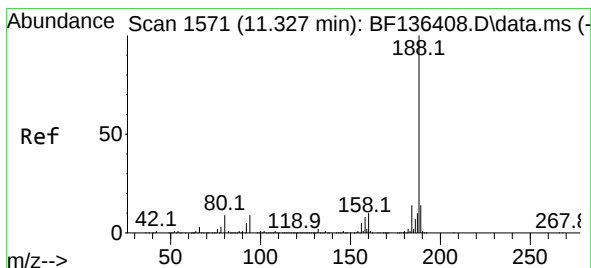
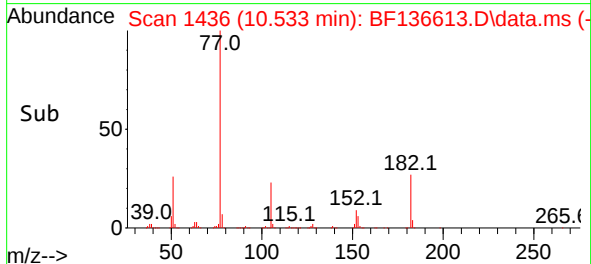
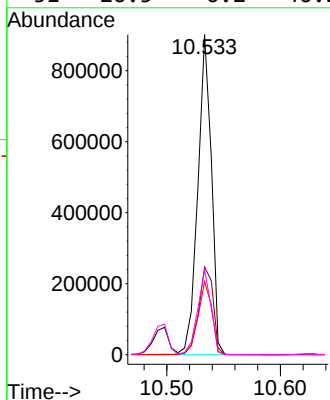
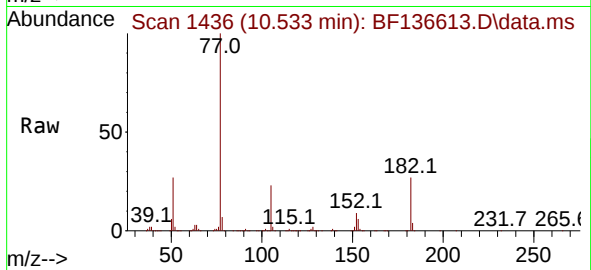




#63  
Azobenzene  
Concen: 36.602 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

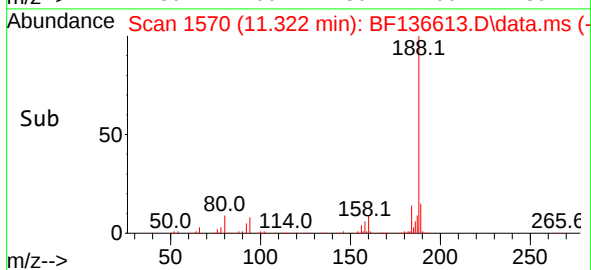
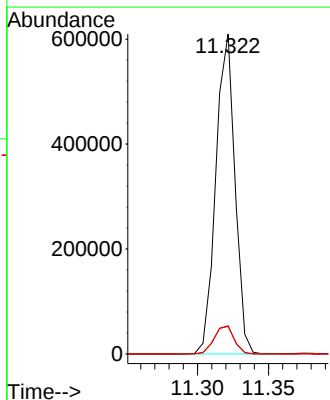
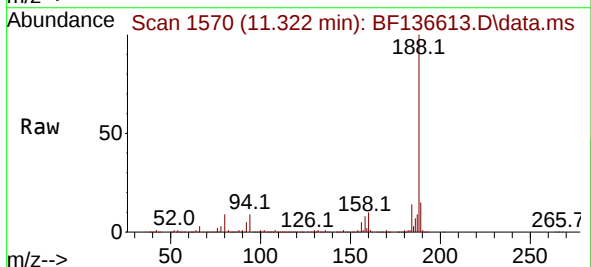
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

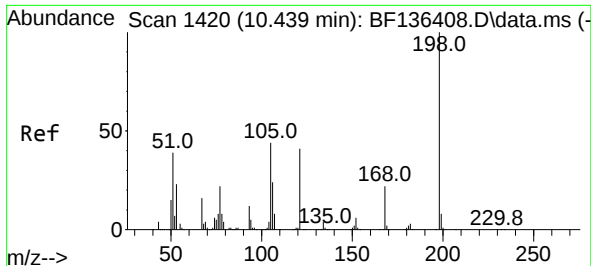
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 744637 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 27.4    | 10.8 50.8    |
| 105 22.8    | 2.6 42.6     |
| 51 26.5     | 6.2 46.2     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 569092 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 8.8      | 7.2 10.8     |
| 80 8.6      | 7.2 10.8     |

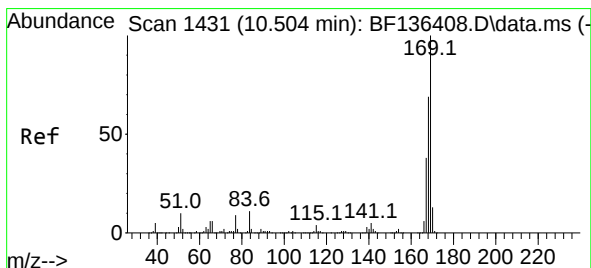
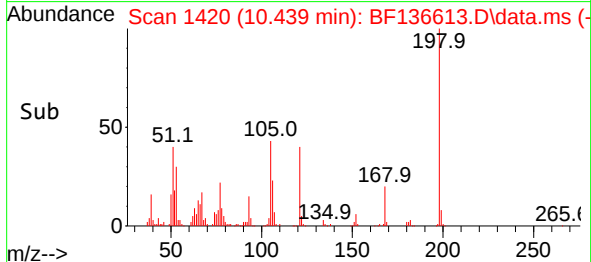
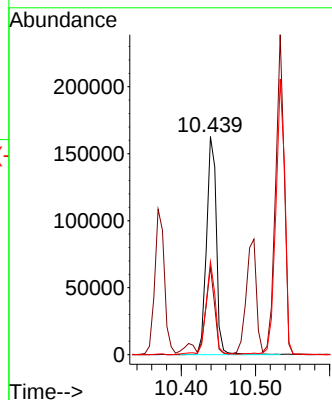
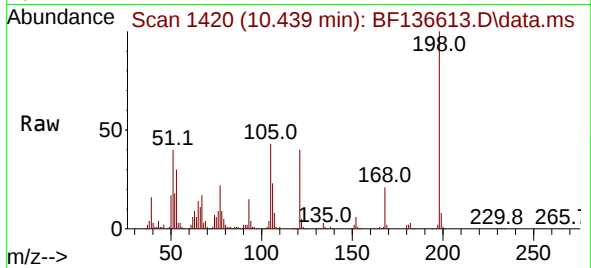




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.660 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

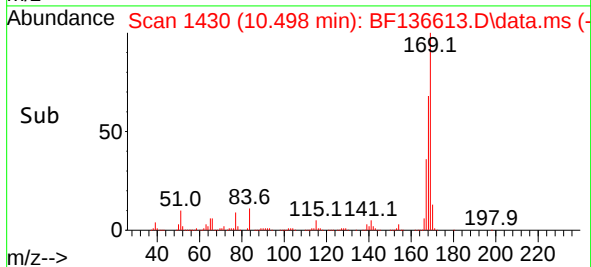
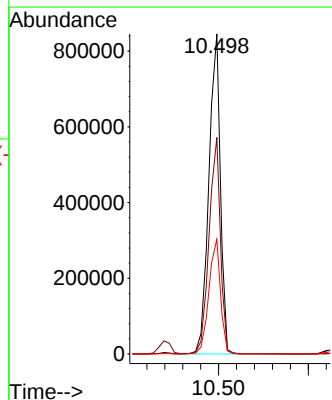
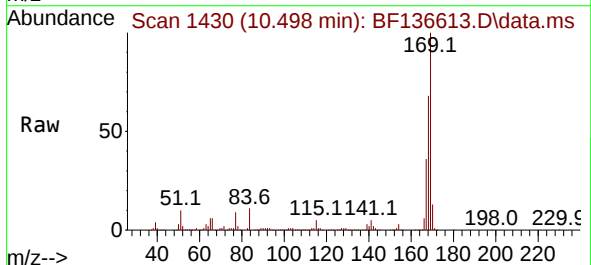
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

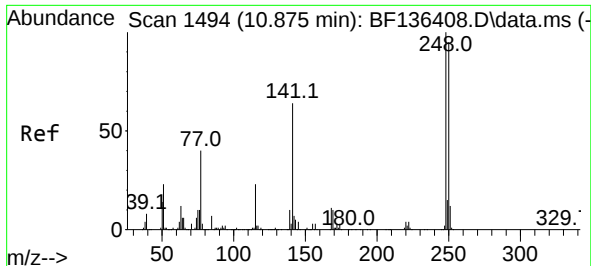
Tgt Ion:198 Resp: 150354  
Ion Ratio Lower Upper  
198 100  
51 40.4 24.1 64.1  
105 42.6 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 41.173 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:169 Resp: 751855  
Ion Ratio Lower Upper  
169 100  
168 67.6 55.3 82.9  
167 35.8 30.1 45.1

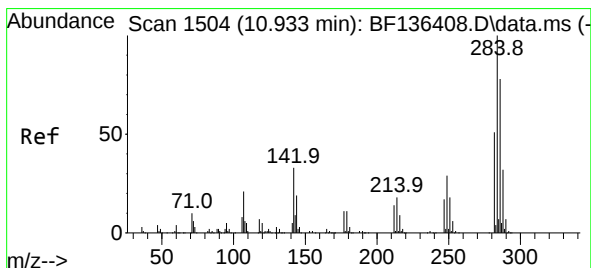
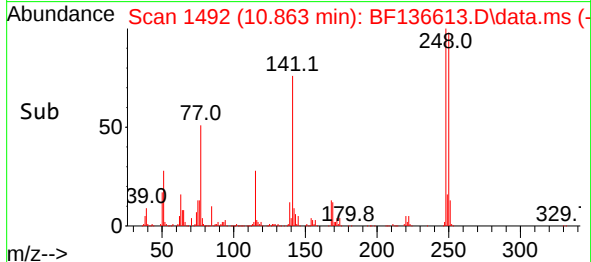
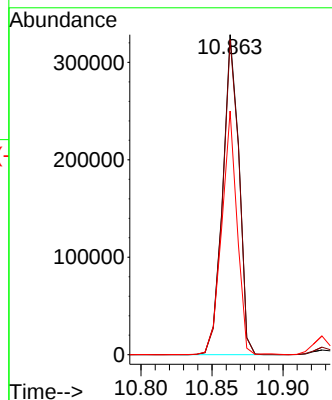
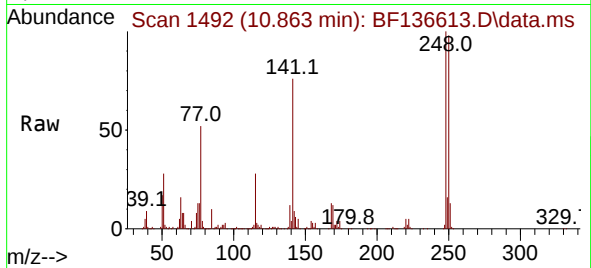




#67  
4-Bromophenyl-phenylether  
Concen: 39.446 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.000 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

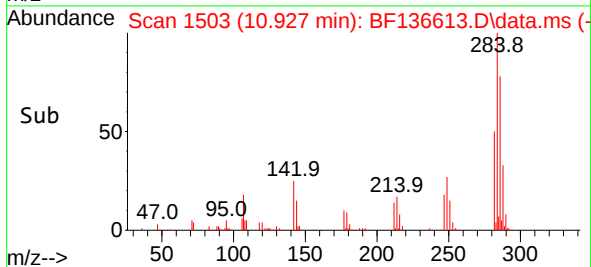
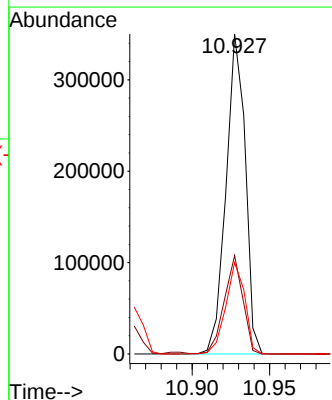
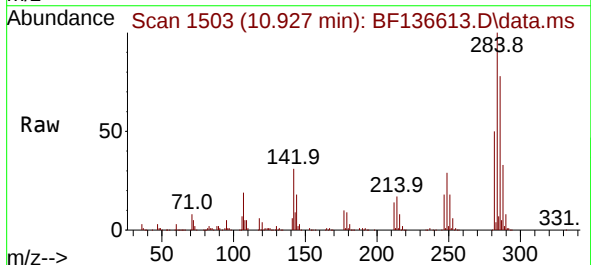
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

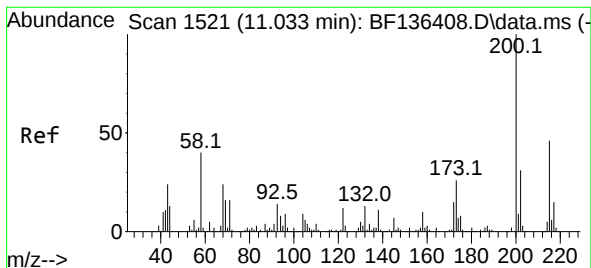
Tgt Ion:248 Resp: 260998  
Ion Ratio Lower Upper  
248 100  
250 98.5 76.2 114.2  
141 76.2 51.0 76.4



#68  
Hexachlorobenzene  
Concen: 39.478 ng  
RT: 10.927 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:284 Resp: 301897  
Ion Ratio Lower Upper  
284 100  
142 30.8 26.5 39.7  
249 28.6 23.4 35.0





#69

Atrazine

Concen: 40.443 ng

RT: 11.027 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

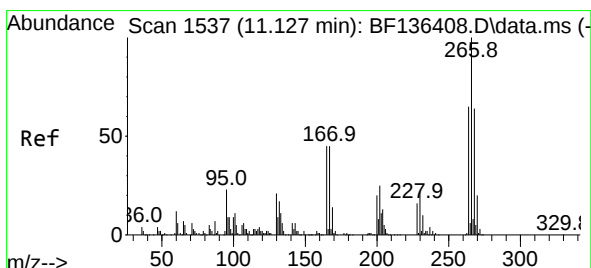
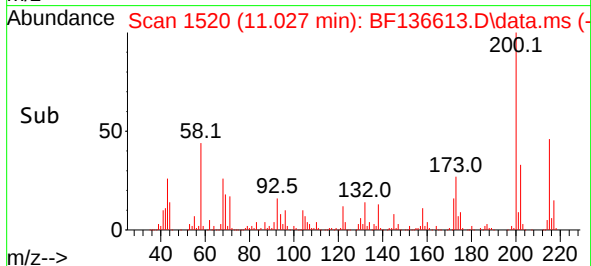
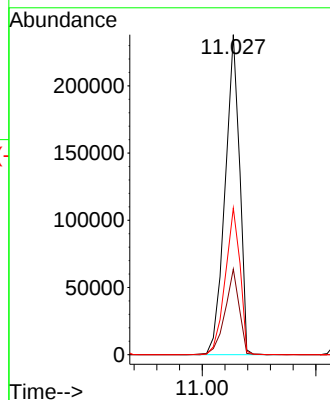
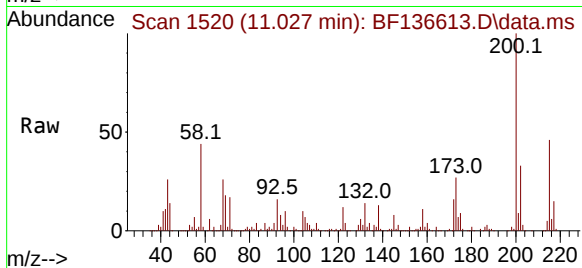
Tgt Ion:200 Resp: 210789

Ion Ratio Lower Upper

200 100

173 26.7 6.0 46.0

215 45.8 25.5 65.5



#70

Pentachlorophenol

Concen: 60.730 ng

RT: 11.127 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

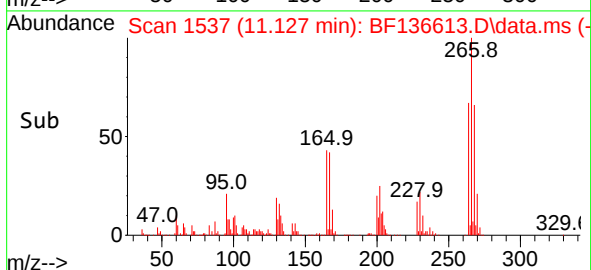
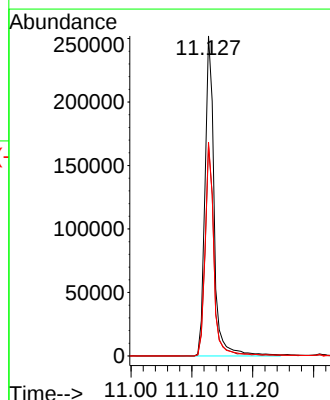
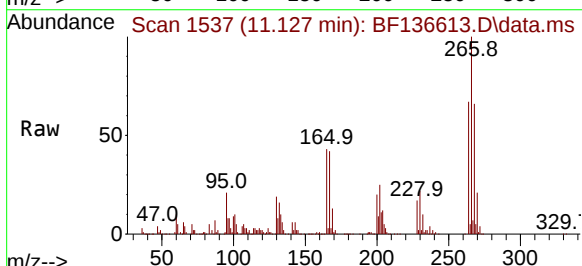
Tgt Ion:266 Resp: 262111

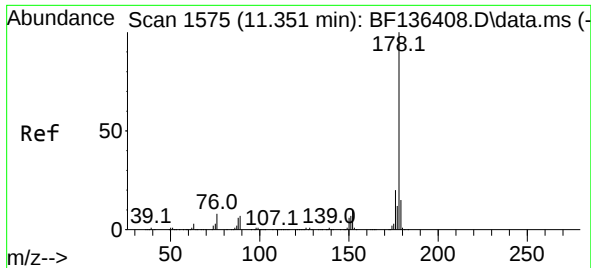
Ion Ratio Lower Upper

266 100

268 65.8 51.0 76.6

264 66.8 52.2 78.4

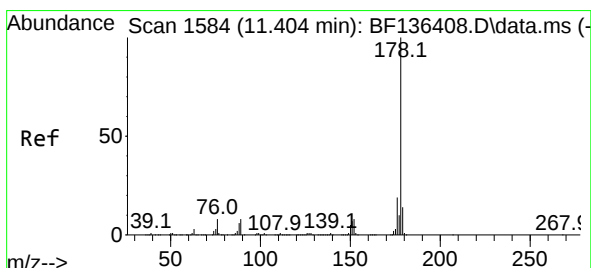
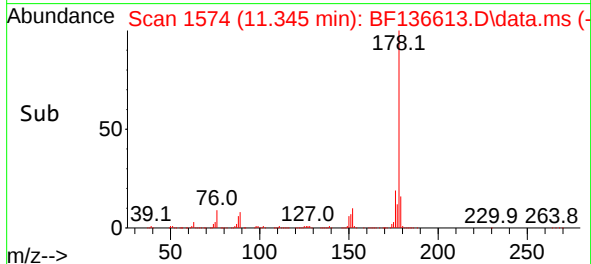
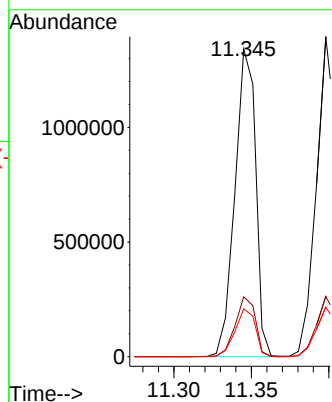
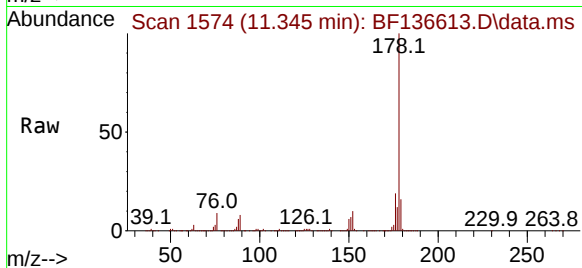




#71  
Phenanthrene  
Concen: 39.952 ng  
RT: 11.345 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

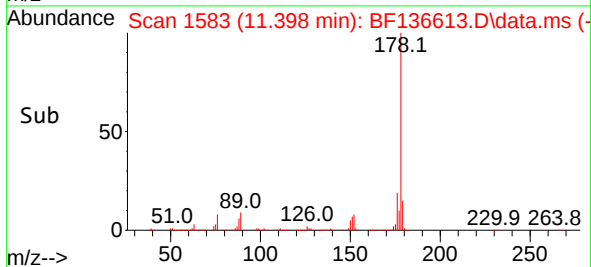
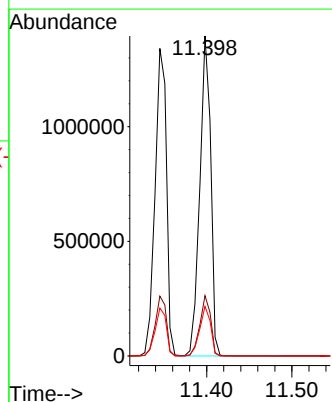
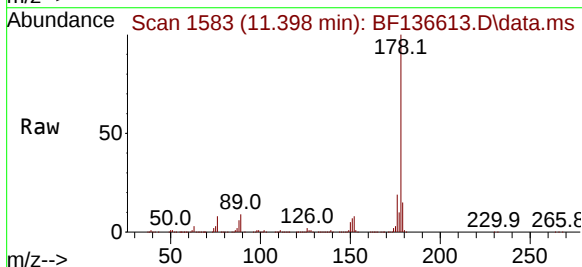
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

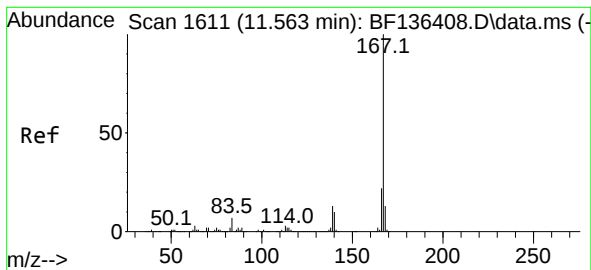
Tgt Ion:178 Resp: 1249700  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.9 23.9  
179 15.6 11.8 17.6



#72  
Anthracene  
Concen: 39.504 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:178 Resp: 1244582  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.3 22.9  
179 15.5 11.4 17.0





#73

Carbazole

Concen: 38.029 ng

RT: 11.557 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

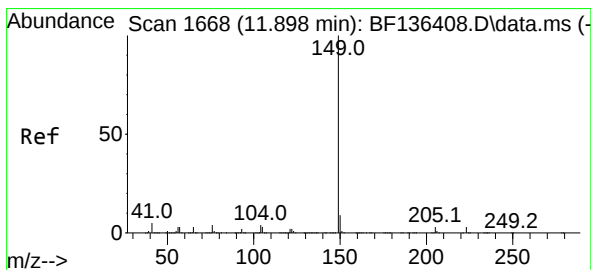
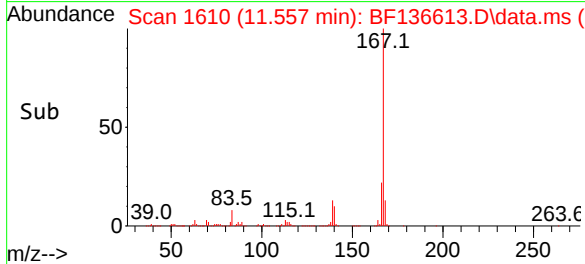
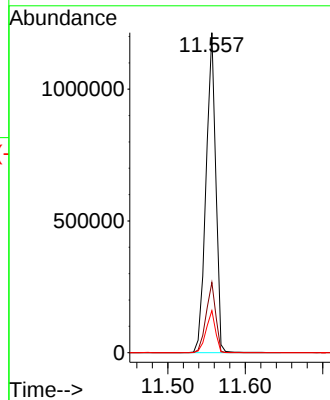
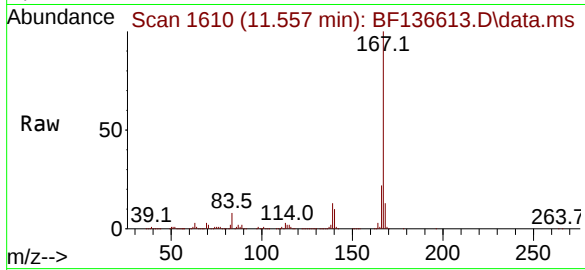
Tgt Ion:167 Resp: 1060443

Ion Ratio Lower Upper

167 100

166 21.9 18.0 27.0

139 13.2 10.2 15.4



#74

Di-n-butylphthalate

Concen: 40.208 ng

RT: 11.886 min Scan# 1666

Delta R.T. -0.000 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

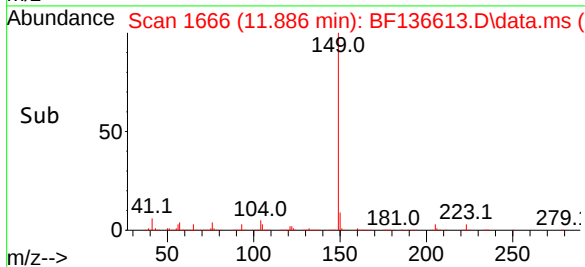
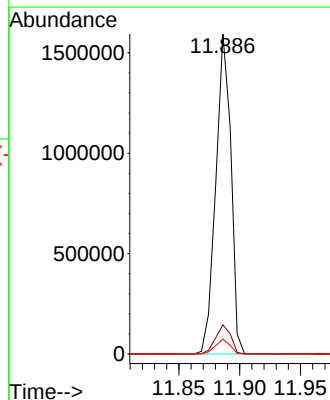
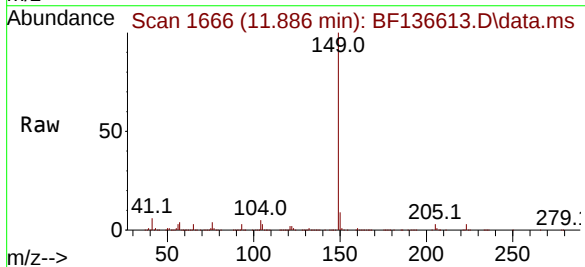
Tgt Ion:149 Resp: 1374493

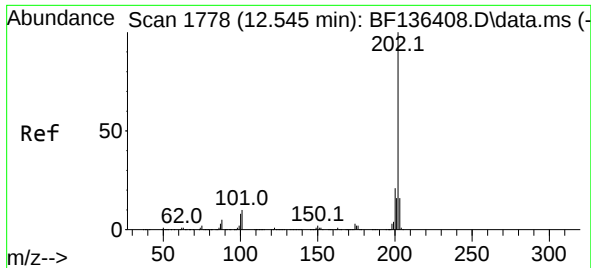
Ion Ratio Lower Upper

149 100

150 9.1 6.9 10.3

104 4.7 3.5 5.3

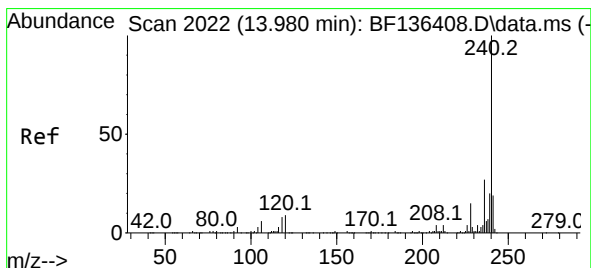
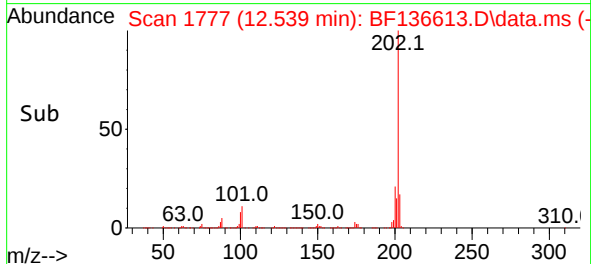
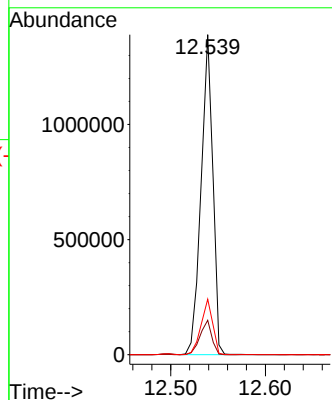
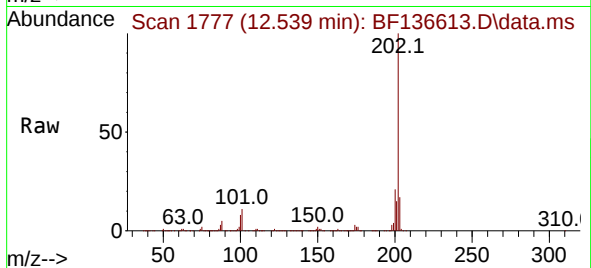




#75  
Fluoranthene  
Concen: 36.561 ng  
RT: 12.539 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

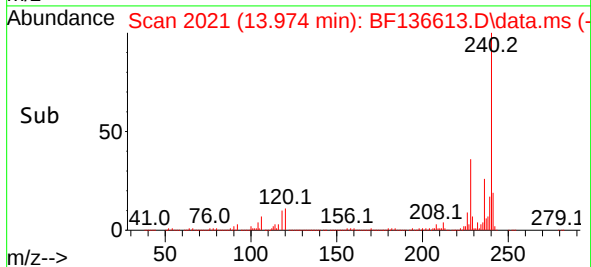
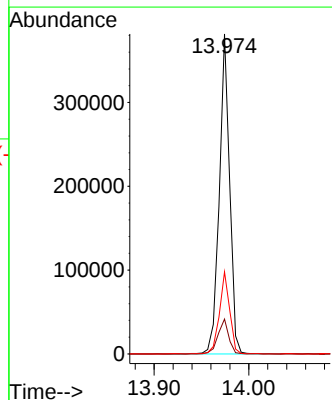
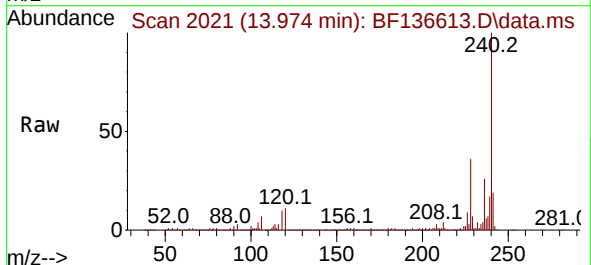
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

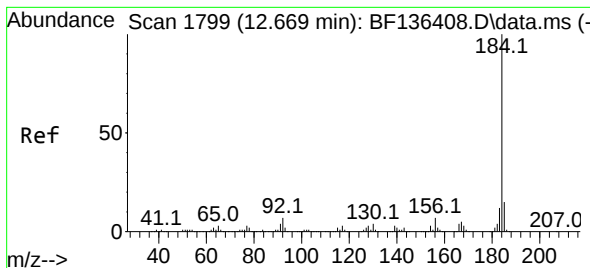
Tgt Ion:202 Resp: 1198445  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 29.9  
203 17.4 0.0 36.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:240 Resp: 288301  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.3 10.9  
236 25.6 21.3 31.9





#77

Benzidine

Concen: 16.712 ng

RT: 12.663 min Scan# 1798

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

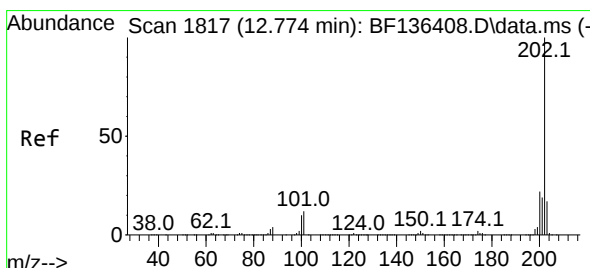
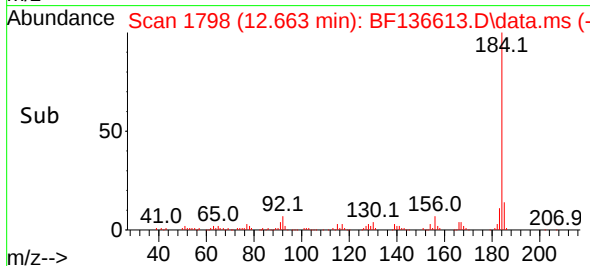
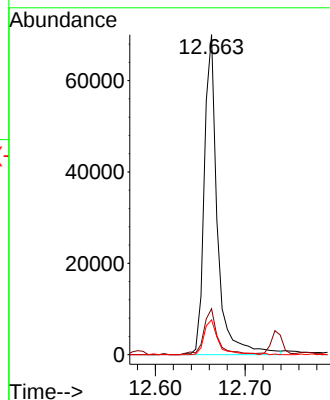
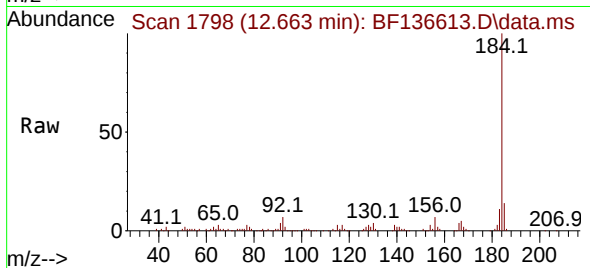
Tgt Ion:184 Resp: 71080

Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

183 10.9 9.4 14.0



#78

Pyrene

Concen: 41.799 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

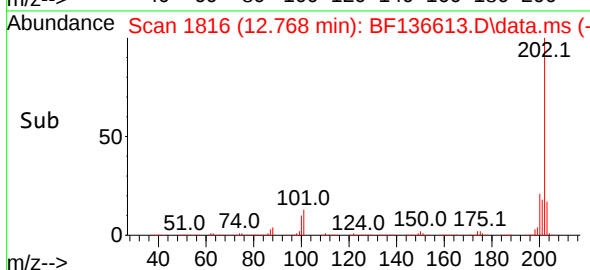
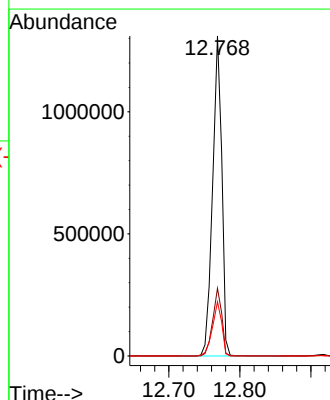
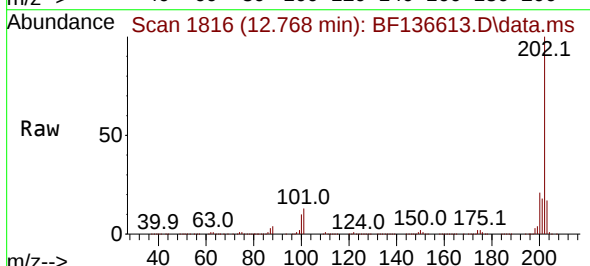
Tgt Ion:202 Resp: 1180185

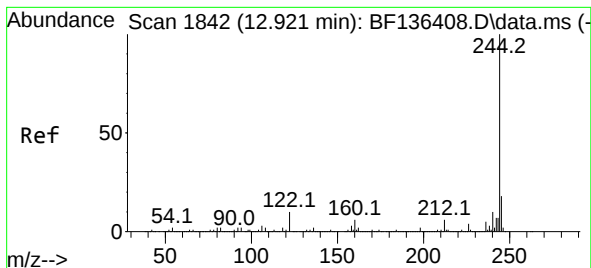
Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

203 16.9 13.5 20.3





#79

Terphenyl-d14

Concen: 81.046 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

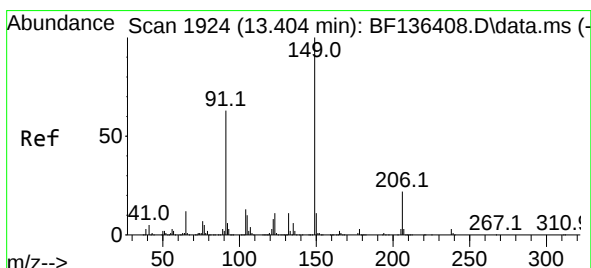
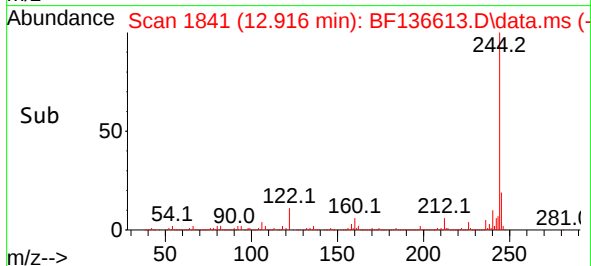
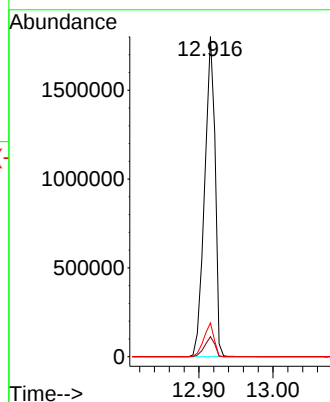
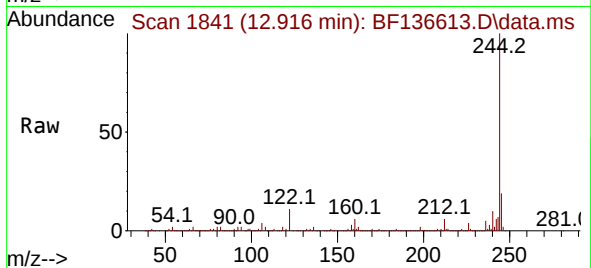
Tgt Ion:244 Resp: 1772740

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 10.6 8.3 12.5



#80

Butylbenzylphthalate

Concen: 44.846 ng

RT: 13.392 min Scan# 1922

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

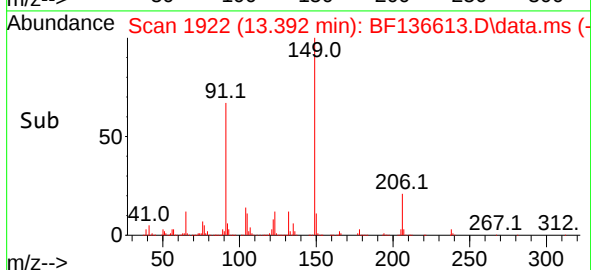
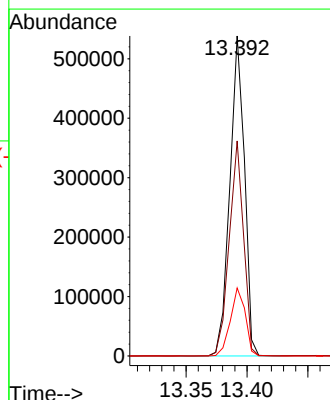
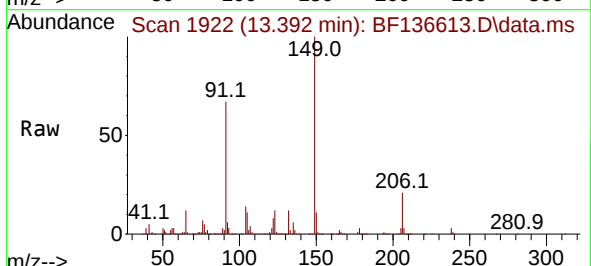
Tgt Ion:149 Resp: 450756

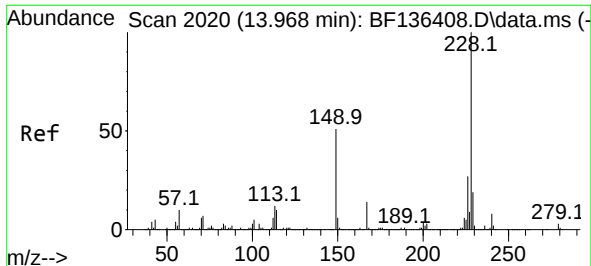
Ion Ratio Lower Upper

149 100

91 67.2 50.5 75.7

206 21.3 17.4 26.2

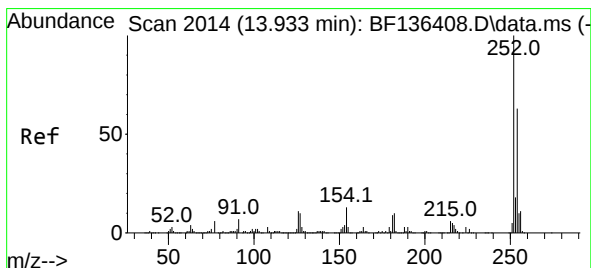
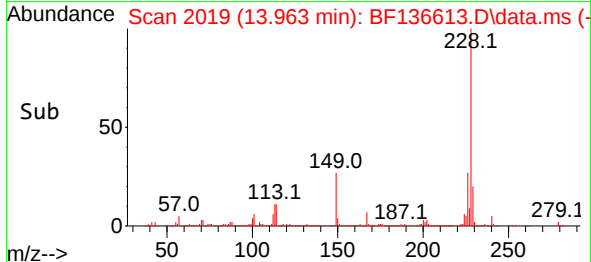
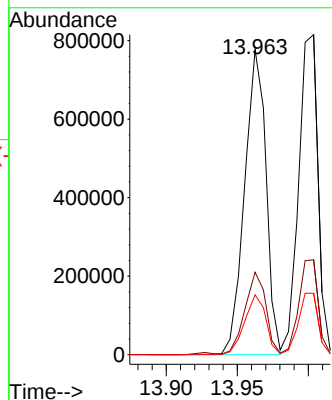
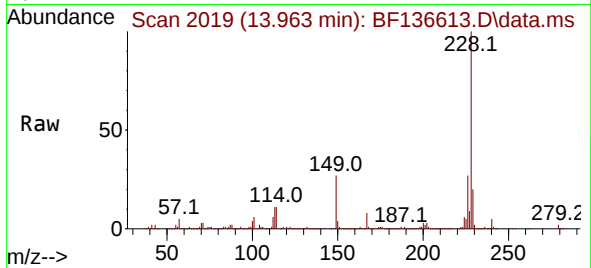




#81  
Benzo(a)anthracene  
Concen: 40.590 ng  
RT: 13.963 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

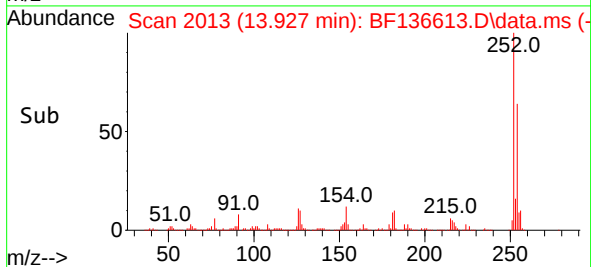
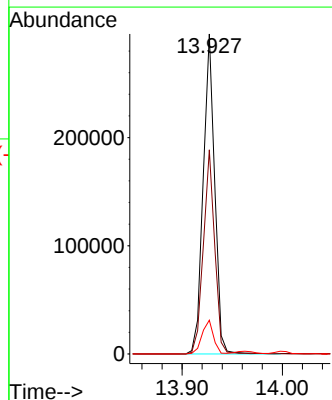
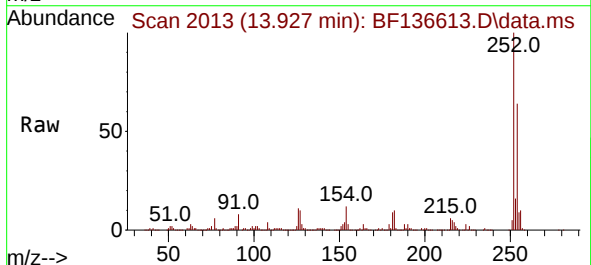
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

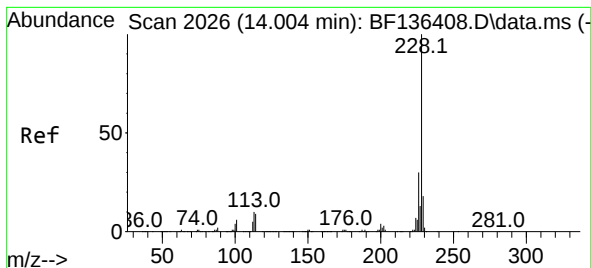
Tgt Ion:228 Resp: 815128  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.8  
229 19.6 15.0 22.4



#82  
3,3'-Dichlorobenzidine  
Concen: 42.105 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:252 Resp: 237074  
Ion Ratio Lower Upper  
252 100  
254 63.8 50.8 76.2  
126 10.6 8.6 12.8





#83

Chrysene

Concen: 38.988 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

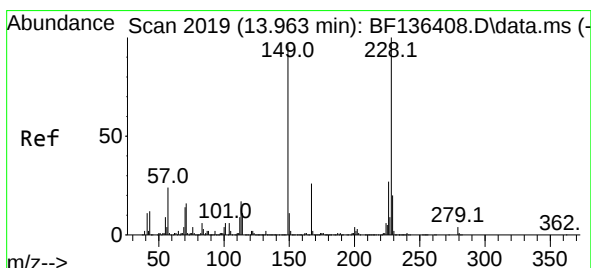
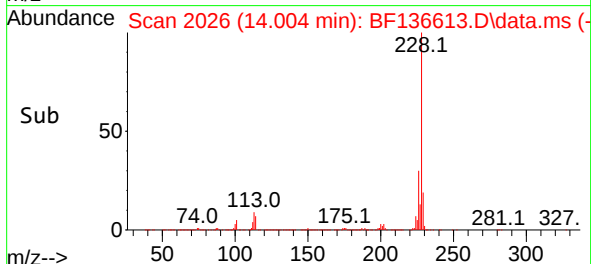
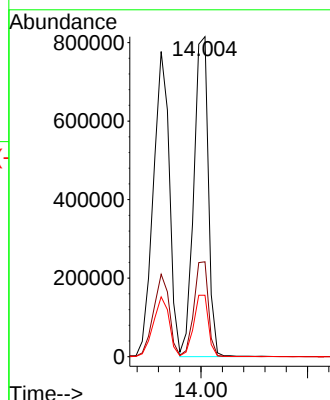
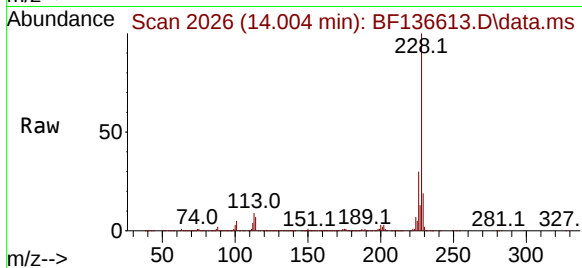
Tgt Ion:228 Resp: 770314

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 19.2 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.138 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

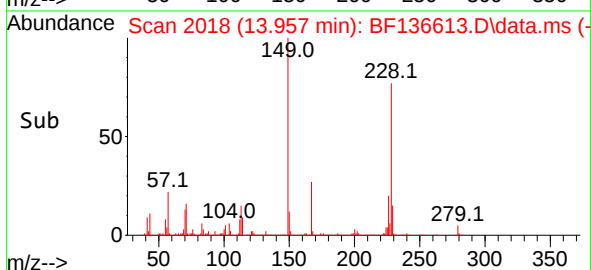
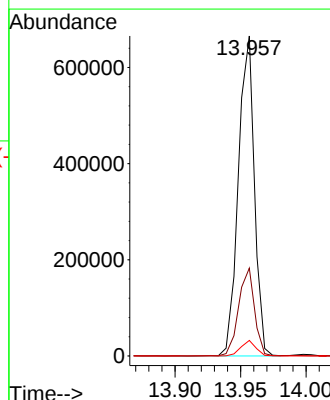
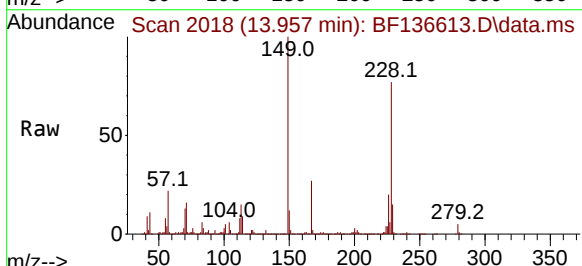
Tgt Ion:149 Resp: 568502

Ion Ratio Lower Upper

149 100

167 27.5 21.2 31.8

279 4.9 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 47.429 ng

RT: 14.574 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

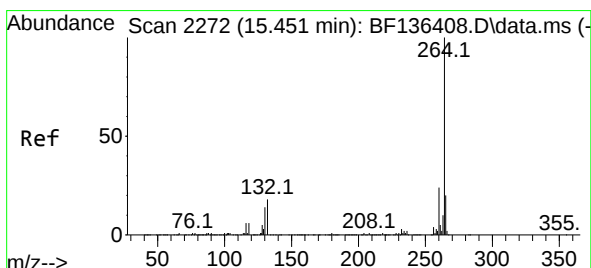
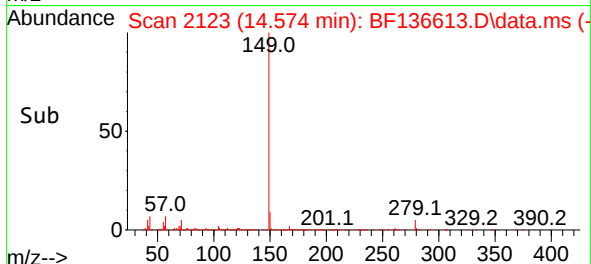
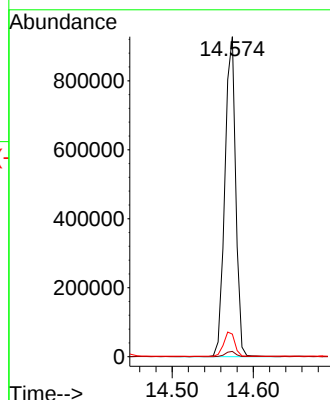
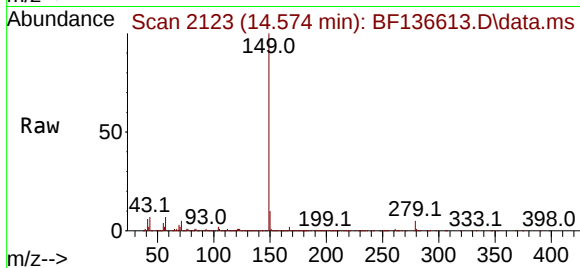
Tgt Ion:149 Resp: 863240

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.7 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

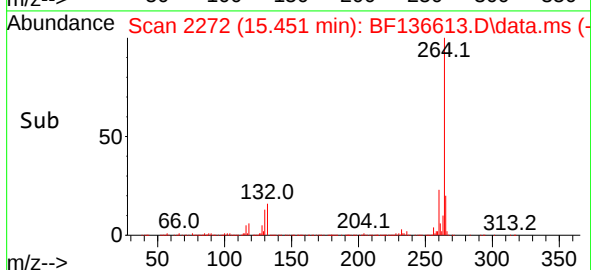
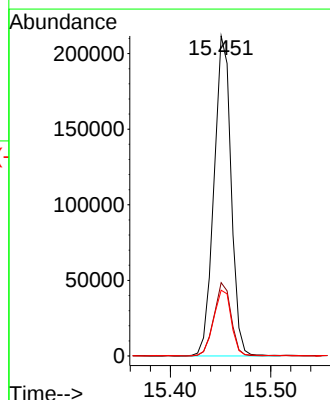
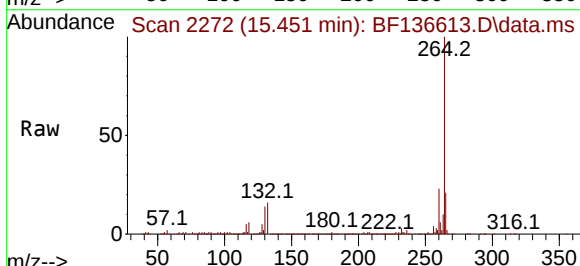
Tgt Ion:264 Resp: 250353

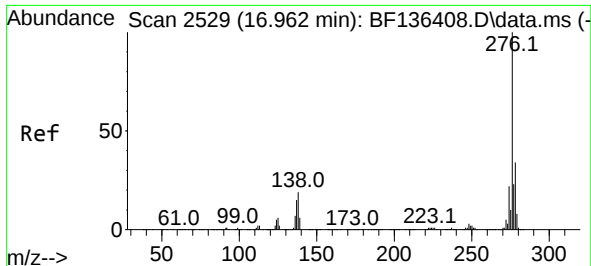
Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 20.6 15.9 23.9

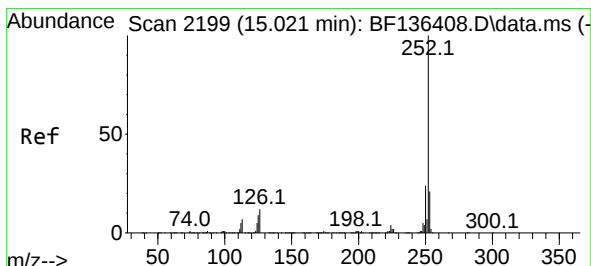
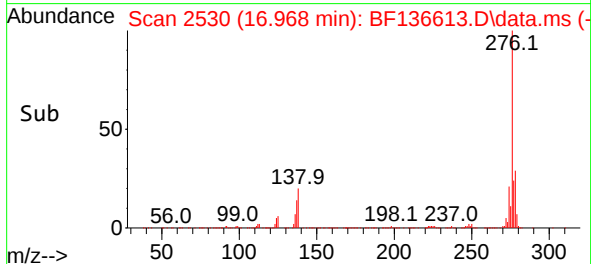
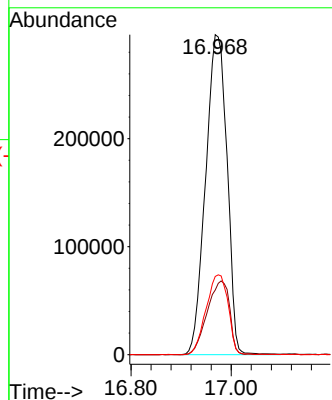
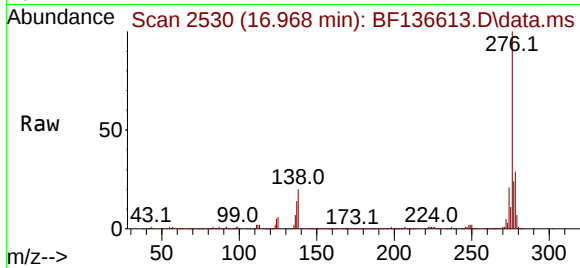




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 50.498 ng  
RT: 16.968 min Scan# 2199  
Delta R.T. 0.023 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

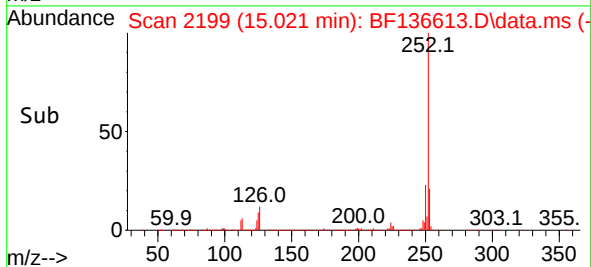
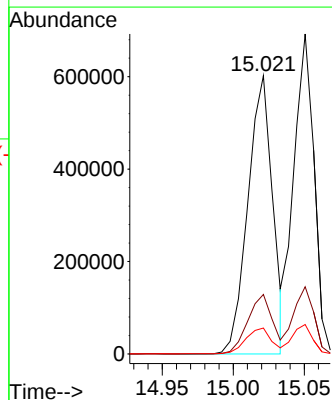
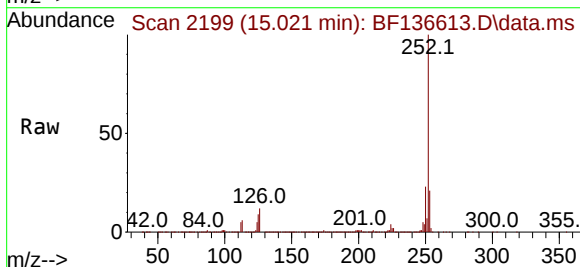
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

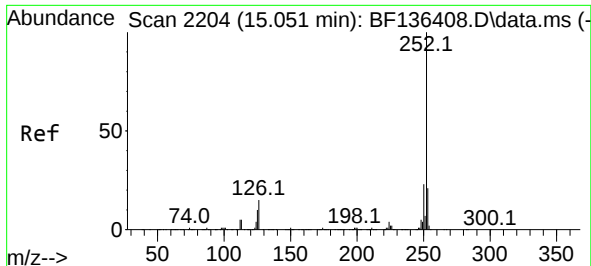
Tgt Ion:276 Resp: 878292  
Ion Ratio Lower Upper  
276 100  
138 24.1 19.0 28.4  
277 25.7 20.0 30.0



#88  
Benzo(b)fluoranthene  
Concen: 42.495 ng  
RT: 15.021 min Scan# 2199  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:252 Resp: 727398  
Ion Ratio Lower Upper  
252 100  
253 21.4 16.9 25.3  
125 9.3 7.4 11.2

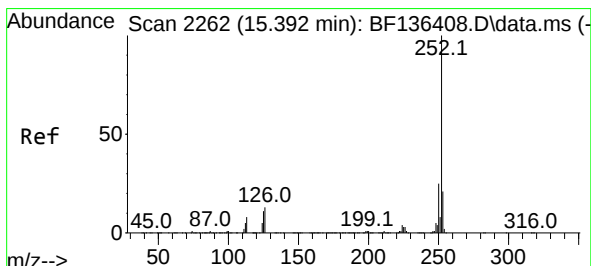
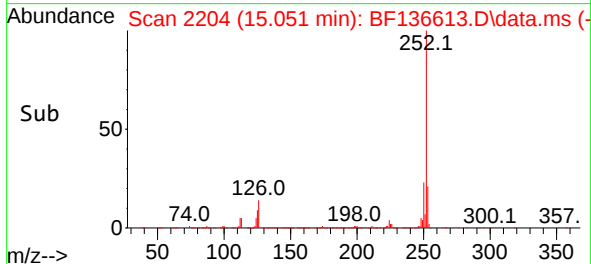
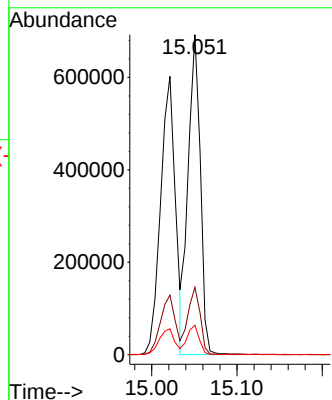
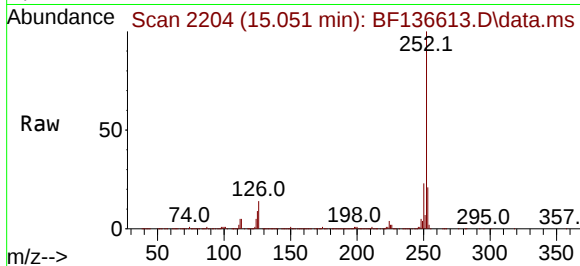




#89  
Benzo(k)fluoranthene  
Concen: 42.820 ng  
RT: 15.051 min Scan# 2204  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

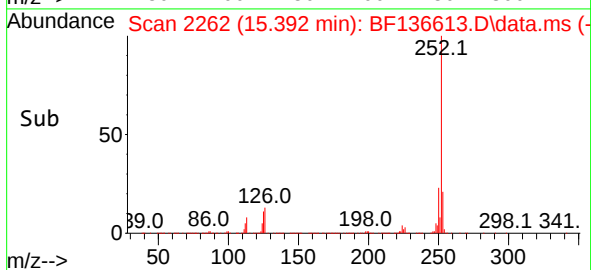
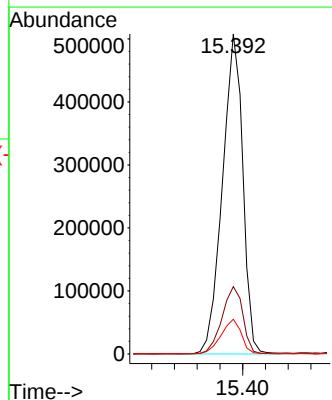
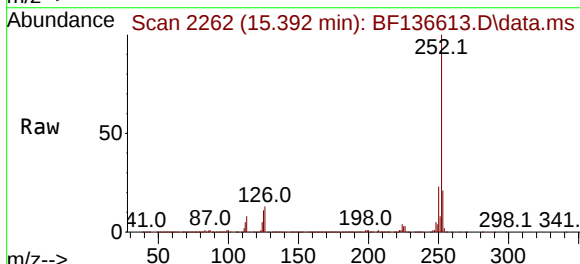
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BSD

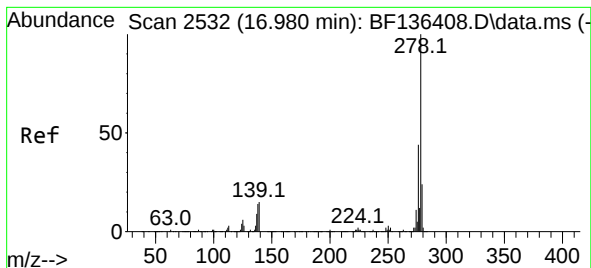
Tgt Ion:252 Resp: 690758  
Ion Ratio Lower Upper  
252 100  
253 21.0 16.9 25.3  
125 9.2 7.5 11.3



#90  
Benzo(a)pyrene  
Concen: 44.764 ng  
RT: 15.392 min Scan# 2262  
Delta R.T. 0.012 min  
Lab File: BF136613.D  
Acq: 18 Dec 2023 14:24

Tgt Ion:252 Resp: 632800  
Ion Ratio Lower Upper  
252 100  
253 21.1 17.0 25.4  
125 10.9 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 52.303 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.029 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Instrument :

BNA\_F

ClientSampleId :

PB157801BSD

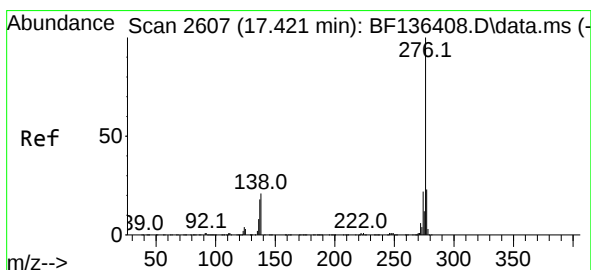
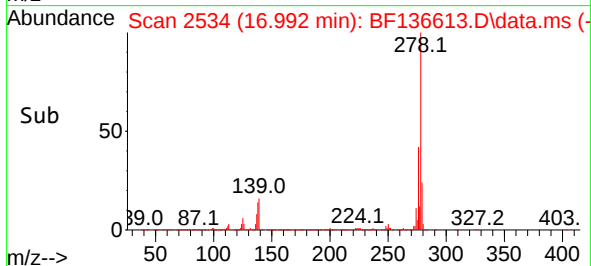
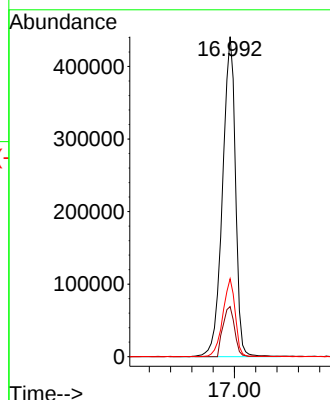
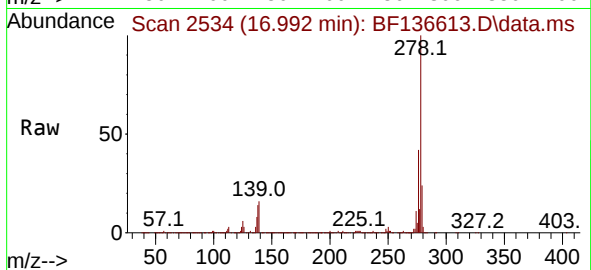
Tgt Ion:278 Resp: 745243

Ion Ratio Lower Upper

278 100

139 15.7 12.2 18.4

279 24.3 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 49.674 ng

RT: 17.433 min Scan# 2609

Delta R.T. 0.029 min

Lab File: BF136613.D

Acq: 18 Dec 2023 14:24

Tgt Ion:276 Resp: 726475

Ion Ratio Lower Upper

276 100

277 23.0 18.7 28.1

138 20.1 16.6 25.0

