

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050924\  
 Data File : BF137860.D  
 Acq On : 09 May 2024 12:22  
 Operator : CG\JU  
 Sample : PB160643BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB160643BS

Quant Time: May 09 13:05:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.051  | 152  | 186771   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.339  | 136  | 765296   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.104 | 164  | 433458   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.598 | 188  | 740180   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.251 | 240  | 430130   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.815 | 264  | 354854   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.687  | 112  | 1372132  | 123.003 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.675  | 99   | 1711171  | 120.936 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.616  | 82   | 1091342  | 82.850  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.898 | 330  | 594718   | 134.378 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.416  | 172  | 2298612  | 86.033  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.186 | 244  | 2502028  | 97.483  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.081  | 88   | 165433   | 32.933  | ng    | 97       |
| 3) Pyridine                   | 3.816  | 79   | 417775   | 34.363  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.781  | 42   | 217604   | 39.748  | ng    | 100      |
| 6) Aniline                    | 6.716  | 93   | 465826m  | 33.216  | ng    |          |
| 8) 2-Chlorophenol             | 6.840  | 128  | 572548   | 47.097  | ng    | 97       |
| 9) Benzaldehyde               | 6.610  | 77   | 533266   | 69.984  | ng    | 99       |
| 10) Phenol                    | 6.687  | 94   | 625497   | 43.142  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.781  | 93   | 506103   | 44.581  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.992  | 146  | 581607   | 42.425  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.069  | 146  | 589634   | 42.865  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.222  | 146  | 570925   | 44.067  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.192  | 79   | 476287   | 48.675  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.316  | 45   | 651477   | 40.827  | ng    | 97       |
| 17) 2-Methylphenol            | 7.292  | 107  | 454709   | 46.354  | ng    | 99       |
| 18) Hexachloroethane          | 7.563  | 117  | 205946   | 44.287  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 375074   | 44.357  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.445  | 107  | 574717   | 44.532  | ng    | # 88     |
| 22) Acetophenone              | 7.463  | 105  | 757337   | 44.001  | ng    | 98       |
| 24) Nitrobenzene              | 7.634  | 77   | 564215   | 41.559  | ng    | 98       |
| 25) Isophorone                | 7.875  | 82   | 1072489  | 45.157  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.951  | 139  | 312057   | 50.758  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.975  | 122  | 427001   | 48.244  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 8.075  | 93   | 644573   | 44.825  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.186  | 162  | 502901   | 47.009  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.275  | 180  | 513887   | 44.064  | ng    | 99       |
| 31) Naphthalene               | 8.363  | 128  | 1644929  | 43.251  | ng    | 100      |
| 32) Benzoic acid              | 8.104  | 122  | 384897   | 50.408  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.398  | 127  | 233763   | 16.575  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.469  | 225  | 316040   | 44.139  | ng    | 99       |
| 35) Caprolactam               | 8.781  | 113  | 145489m  | 42.922  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.881  | 107  | 521964   | 46.787  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 9.051  | 142  | 1115122  | 45.296  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.151  | 142  | 1026699  | 42.390  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.216  | 216  | 526373   | 45.850  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.204  | 237  | 605998   | 129.957 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.328  | 196  | 374029   | 47.862  | ng    | 98       |

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 ALS Vial : 4 Sample Multiplier: 1

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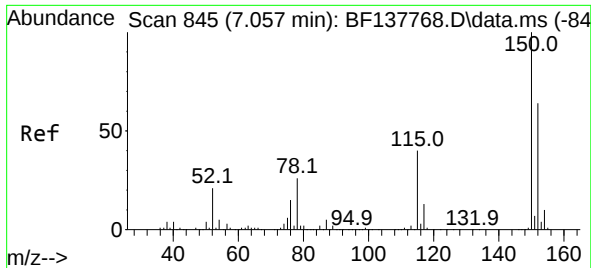
Quant Time: May 09 13:05:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.369  | 196  | 386087   | 44.743  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.516  | 154  | 1364539  | 45.871  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.545  | 162  | 1067173  | 44.435  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.639  | 65   | 301031   | 46.217  | ng    | 96       |
| 49) Acenaphthylene            | 9.969  | 152  | 1676961  | 48.269  | ng    | 99       |
| 50) Dimethylphthalate         | 9.816  | 163  | 1300838  | 47.539  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 288675   | 46.162  | ng    | 99       |
| 52) Acenaphthene              | 10.139 | 154  | 1140972  | 49.546  | ng    | 99       |
| 53) 3-Nitroaniline            | 10.051 | 138  | 208251   | 31.800  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 10.157 | 184  | 323248   | 105.200 | ng    | # 86     |
| 55) Dibenzofuran              | 10.310 | 168  | 1510895  | 45.086  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.210 | 139  | 450554   | 83.012  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.286 | 165  | 391357   | 47.903  | ng    | 98       |
| 58) Fluorene                  | 10.657 | 166  | 1179694  | 44.232  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.422 | 232  | 324388   | 46.304  | ng    | 97       |
| 60) Diethylphthalate          | 10.516 | 149  | 1233826  | 47.476  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.639 | 204  | 603144   | 45.897  | ng    | 95       |
| 62) 4-Nitroaniline            | 10.675 | 138  | 272063   | 40.959  | ng    | 94       |
| 63) Azobenzene                | 10.804 | 77   | 1117579  | 44.493  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.698 | 198  | 217404   | 51.173  | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.763 | 169  | 1043498  | 47.097  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.133 | 248  | 378358   | 47.763  | ng    | 96       |
| 68) Hexachlorobenzene         | 11.198 | 284  | 399473   | 46.146  | ng    | 98       |
| 69) Atrazine                  | 11.286 | 200  | 359396   | 53.199  | ng    | 98       |
| 70) Pentachlorophenol         | 11.392 | 266  | 487158   | 81.969  | ng    | 100      |
| 71) Phenanthrene              | 11.622 | 178  | 1642640  | 45.531  | ng    | 100      |
| 72) Anthracene                | 11.675 | 178  | 1679856  | 46.797  | ng    | 100      |
| 73) Carbazole                 | 11.827 | 167  | 1482775  | 42.860  | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.145 | 149  | 1856543  | 49.195  | ng    | 100      |
| 75) Fluoranthene              | 12.816 | 202  | 1666499  | 42.257  | ng    | 99       |
| 77) Benzidine                 | 12.927 | 184  | 190790   | 19.179  | ng    | 100      |
| 78) Pyrene                    | 13.051 | 202  | 1674239  | 49.092  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.651 | 149  | 662966   | 61.269  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.239 | 228  | 1320674  | 48.006  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.192 | 252  | 290413   | 35.262  | ng    | 100      |
| 83) Chrysene                  | 14.280 | 228  | 1211084  | 47.016  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.204 | 149  | 890952   | 65.333  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.833 | 149  | 1263392  | 68.839  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.456 | 276  | 1067130  | 52.895  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.345 | 252  | 1066055  | 48.286  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.380 | 252  | 970691   | 45.488  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.751 | 252  | 906506   | 50.328  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.480 | 278  | 871386   | 53.064  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.962 | 276  | 825057   | 47.927  | ng    | 98       |

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

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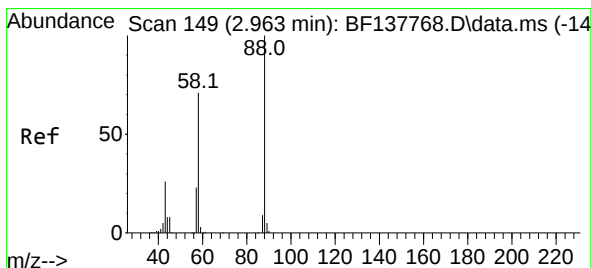
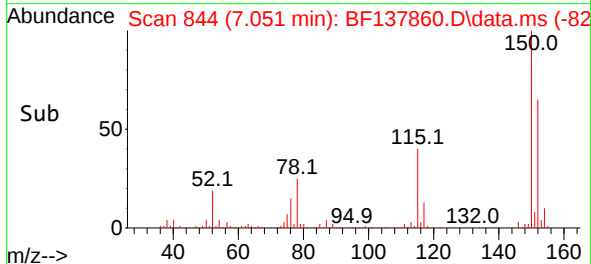
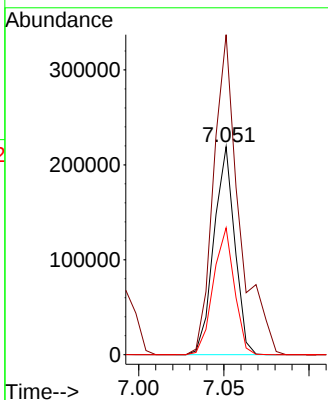
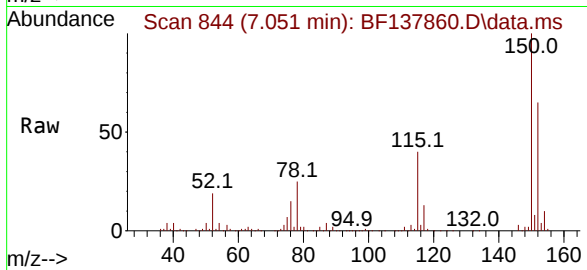




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.051 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

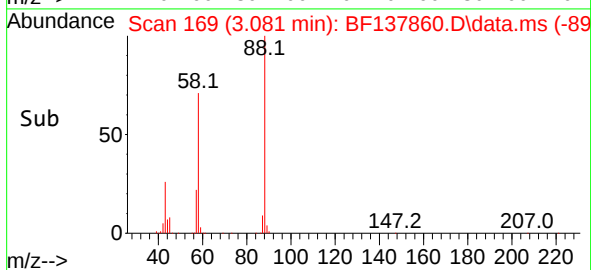
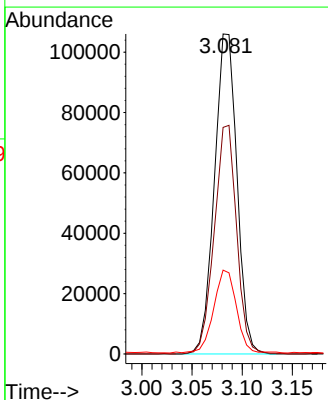
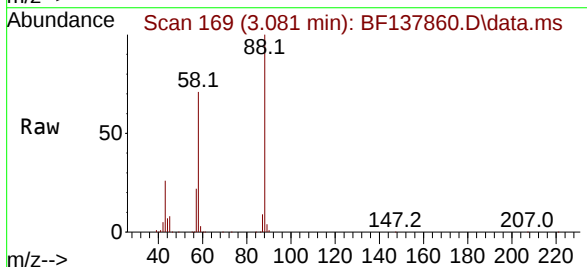
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

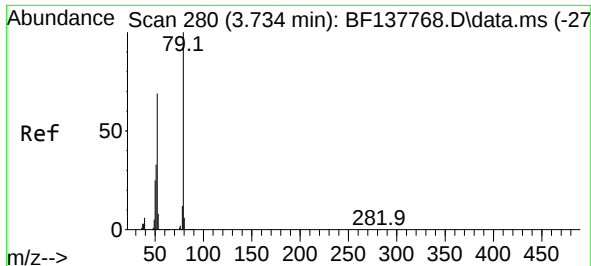
Tgt Ion:152 Resp: 186771  
Ion Ratio Lower Upper  
152 100  
150 153.9 124.1 186.1  
115 61.1 49.1 73.7



#2  
1,4-Dioxane  
Concen: 32.933 ng  
RT: 3.081 min Scan# 169  
Delta R.T. 0.118 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

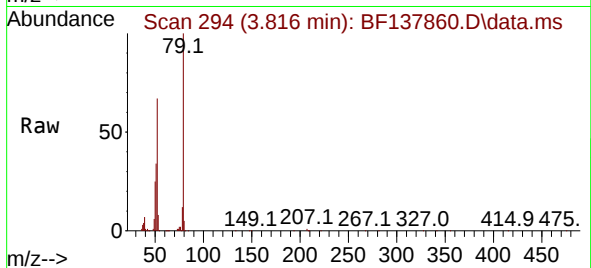
Tgt Ion: 88 Resp: 165433  
Ion Ratio Lower Upper  
88 100  
58 70.9 58.8 88.2  
43 26.2 21.4 32.0



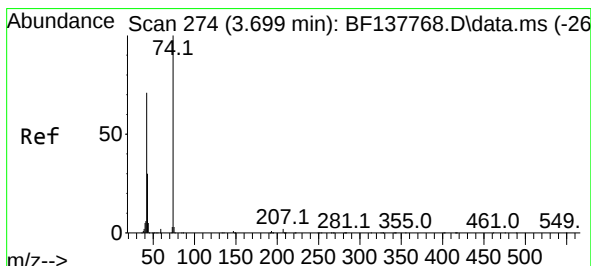
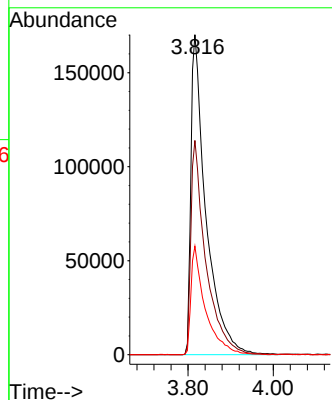
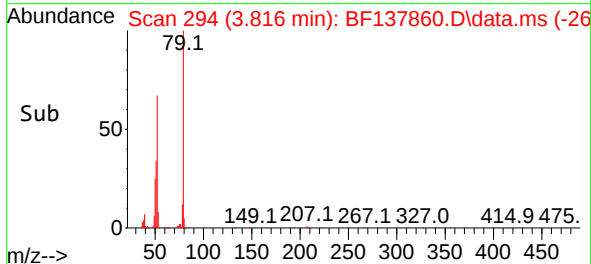


#3  
Pyridine  
Concen: 34.363 ng  
RT: 3.816 min Scan# 294  
Delta R.T. 0.082 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

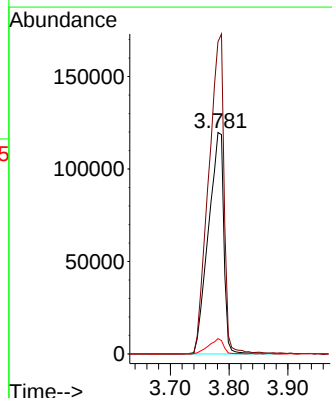
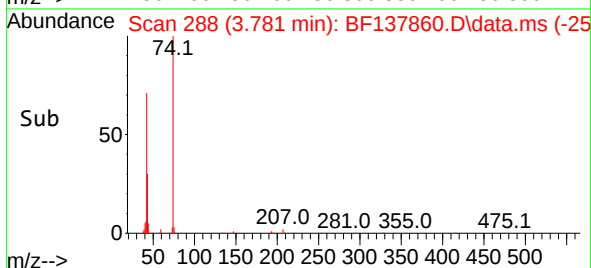
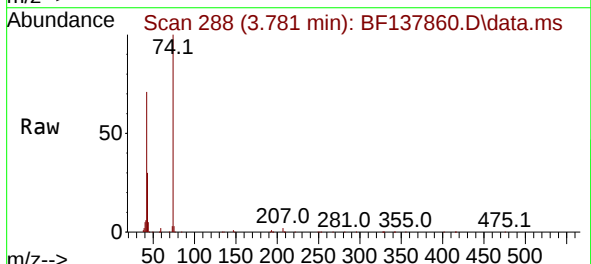


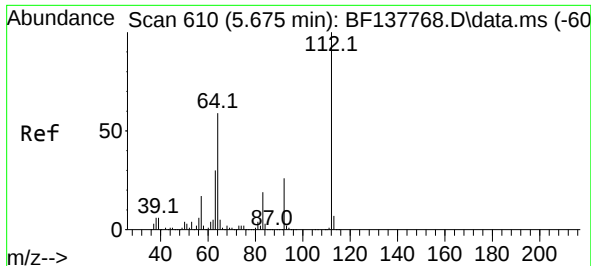
Tgt Ion: 79 Resp: 417775  
Ion Ratio Lower Upper  
79 100  
52 67.0 55.5 83.3  
51 33.9 26.9 40.3



#4  
n-Nitrosodimethylamine  
Concen: 39.748 ng  
RT: 3.781 min Scan# 288  
Delta R.T. 0.082 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion: 42 Resp: 217604  
Ion Ratio Lower Upper  
42 100  
74 141.0 112.9 169.3  
44 7.0 5.6 8.4

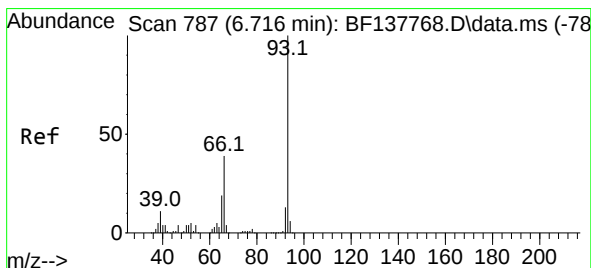
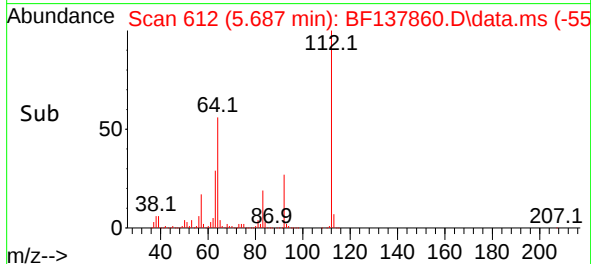
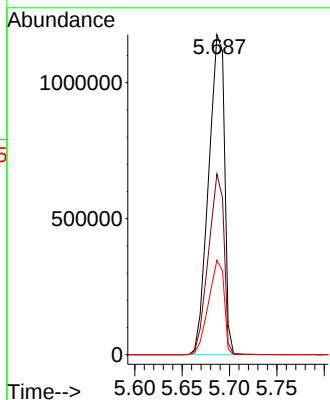
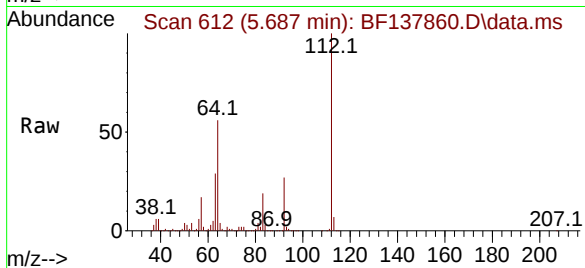




#5  
2-Fluorophenol  
Concen: 123.003 ng  
RT: 5.687 min Scan# 610  
Delta R.T. 0.012 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

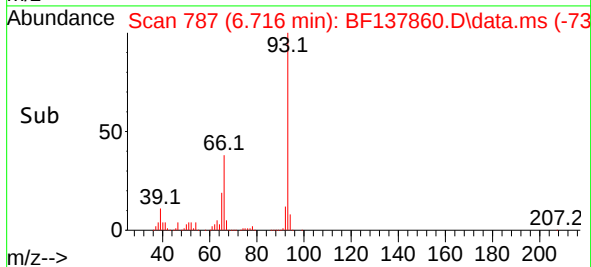
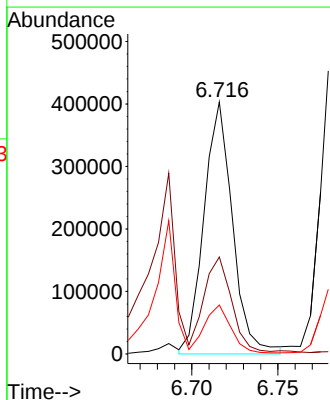
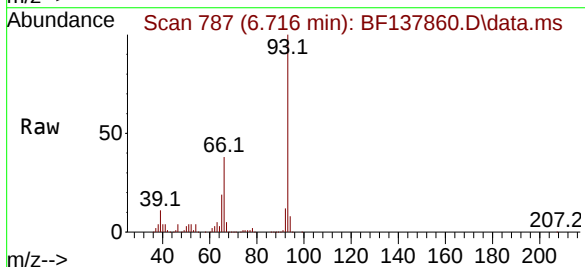
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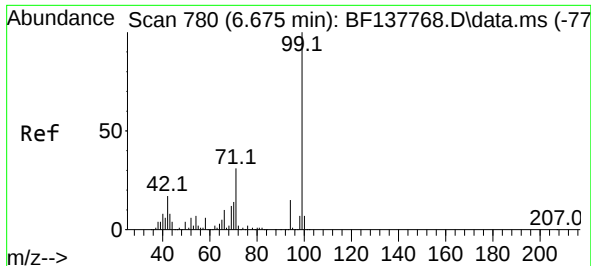
Tgt Ion:112 Resp: 1372132  
Ion Ratio Lower Upper  
112 100  
64 56.4 47.3 70.9  
63 29.5 23.7 35.5



#6  
Aniline  
Concen: 33.216 ng m  
RT: 6.716 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion: 93 Resp: 465826  
Ion Ratio Lower Upper  
93 100  
66 38.5 31.8 47.6  
65 19.4 15.4 23.2



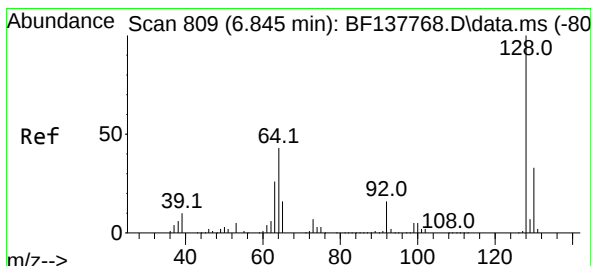
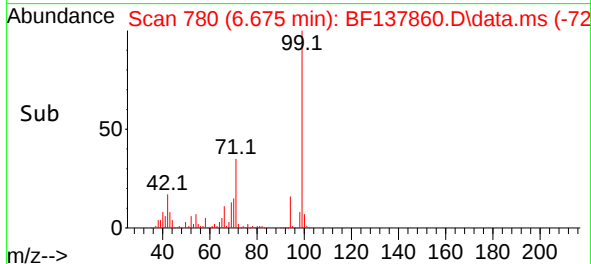
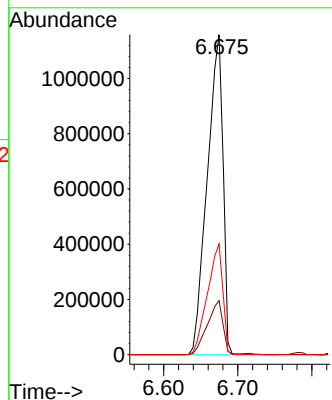
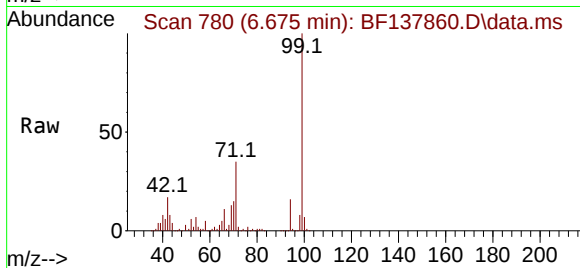


#7  
Phenol-d6  
Concen: 120.936 ng  
RT: 6.675 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

Tgt Ion: 99 Resp: 1711171

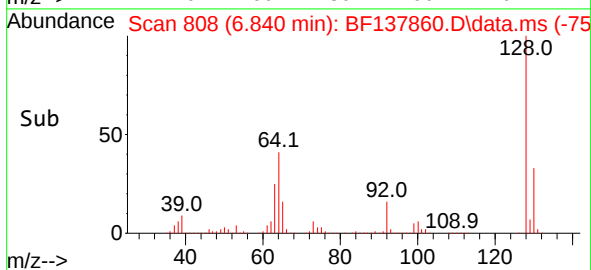
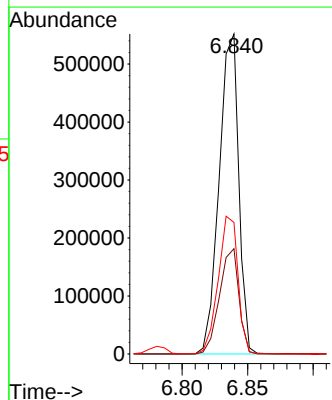
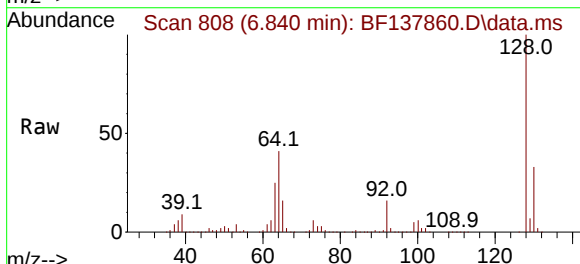
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.9  | 13.2  | 19.8  |
| 71  | 34.6  | 25.0  | 37.4  |

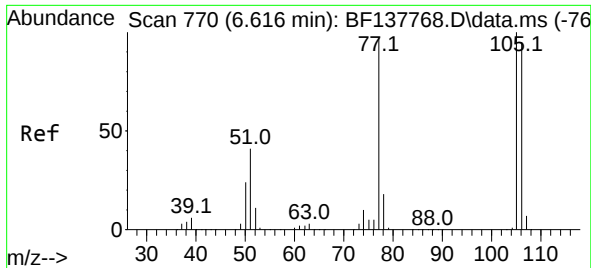


#8  
2-Chlorophenol  
Concen: 47.097 ng  
RT: 6.840 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:128 Resp: 572548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.9  | 12.5  | 52.5  |
| 64  | 41.1  | 23.9  | 63.9  |

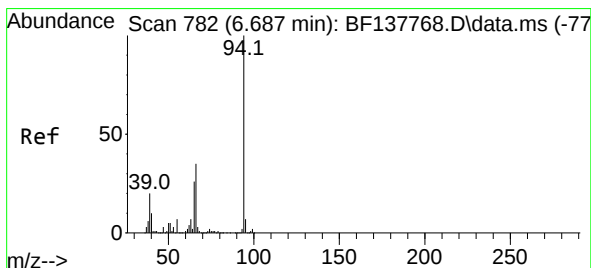
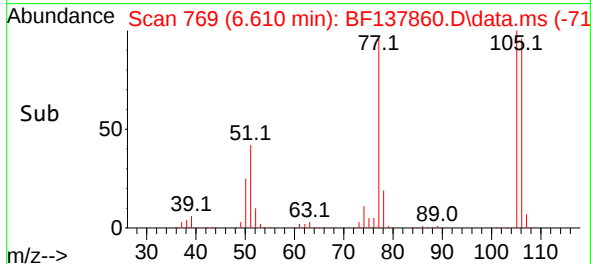
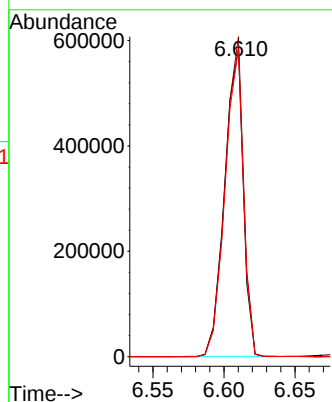
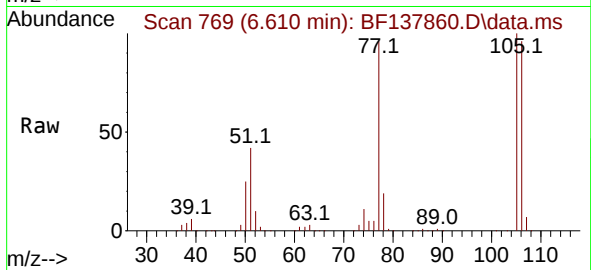




#9  
Benzaldehyde  
Concen: 69.984 ng  
RT: 6.610 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

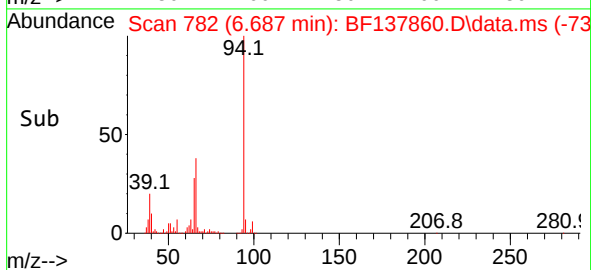
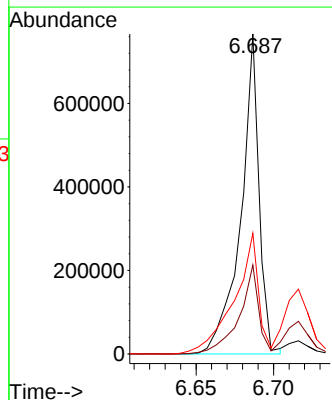
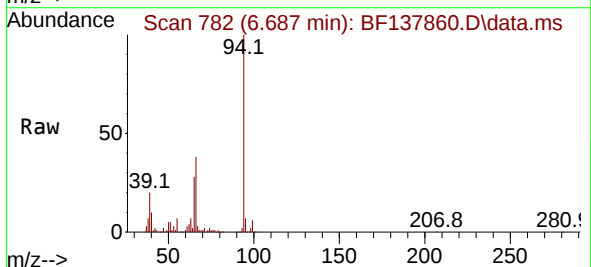
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

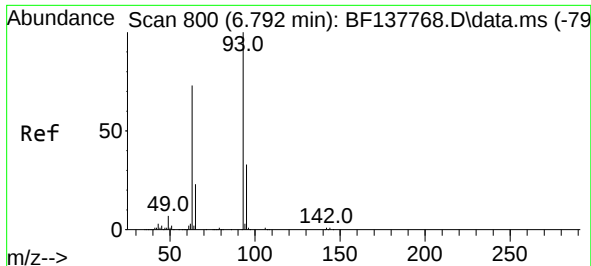
Tgt Ion: 77 Resp: 533266  
Ion Ratio Lower Upper  
77 100  
105 103.9 83.2 123.2  
106 100.0 77.7 117.7



#10  
Phenol  
Concen: 43.142 ng  
RT: 6.687 min Scan# 782  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion: 94 Resp: 625497  
Ion Ratio Lower Upper  
94 100  
65 27.8 6.4 46.4  
66 37.8 15.4 55.4





#11

bis(2-Chloroethyl)ether

Concen: 44.581 ng

RT: 6.781 min Scan# 79

Delta R.T. -0.012 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

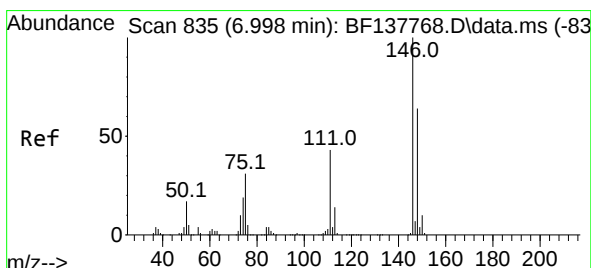
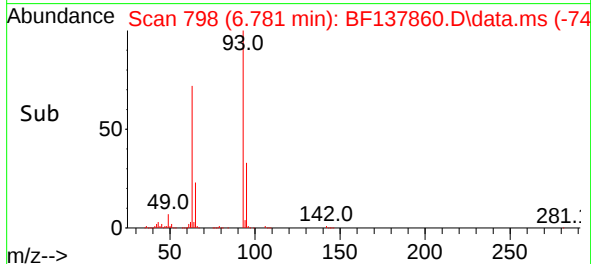
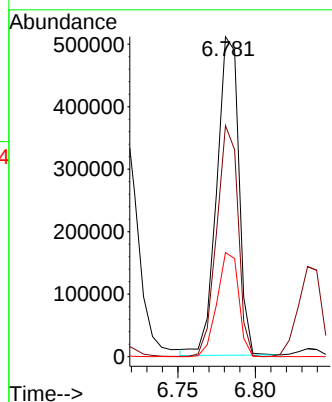
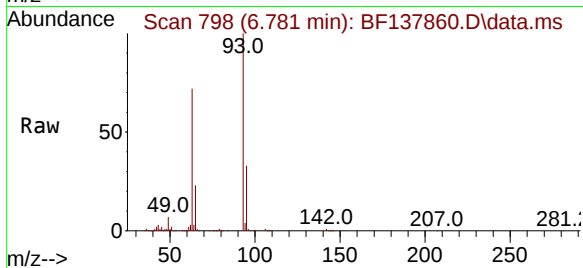
Tgt Ion: 93 Resp: 506103

Ion Ratio Lower Upper

93 100

63 72.2 51.6 91.6

95 32.6 12.1 52.1



#12

1,3-Dichlorobenzene

Concen: 42.425 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

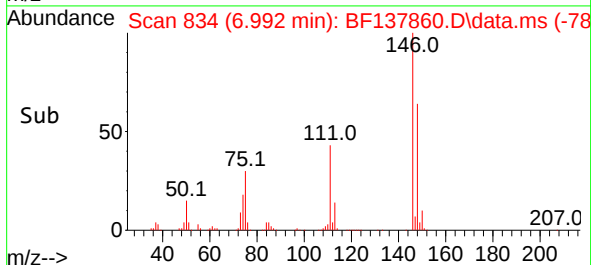
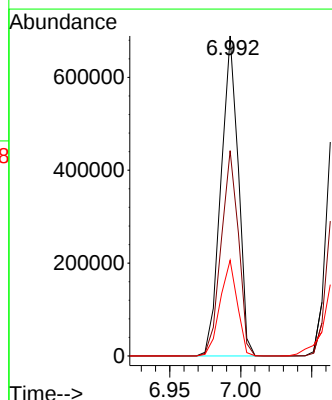
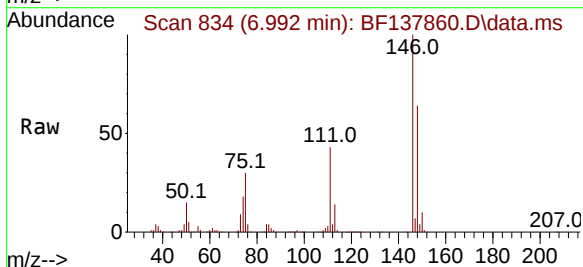
Tgt Ion:146 Resp: 581607

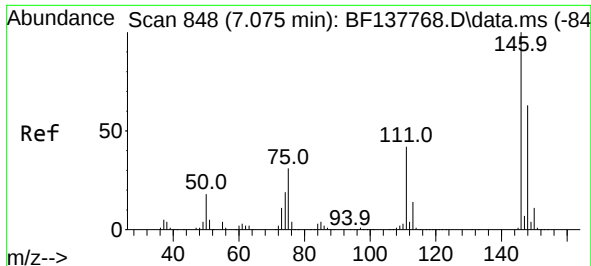
Ion Ratio Lower Upper

146 100

148 64.1 51.2 76.8

75 29.9 25.1 37.7

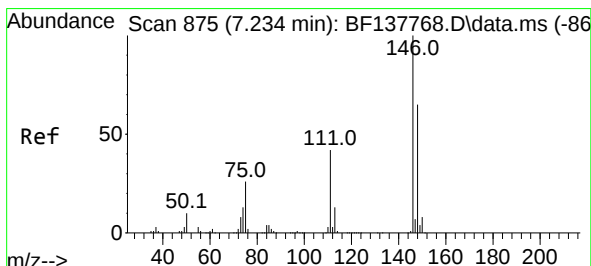
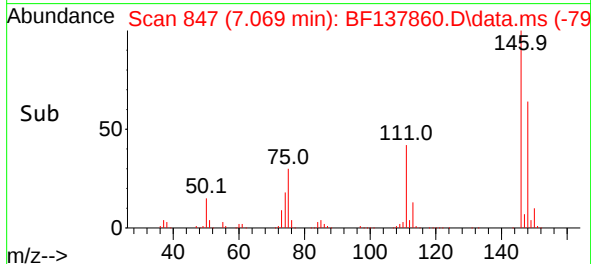
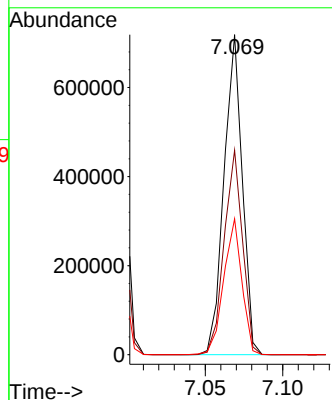
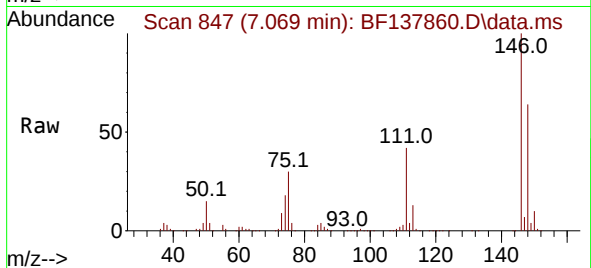




#13  
1,4-Dichlorobenzene  
Concen: 42.865 ng  
RT: 7.069 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

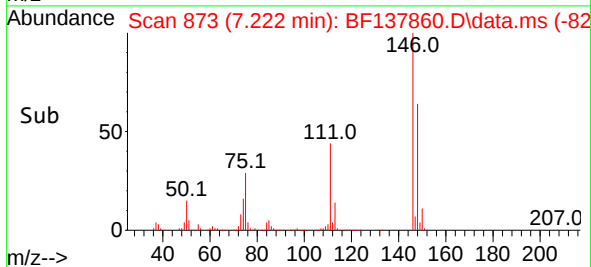
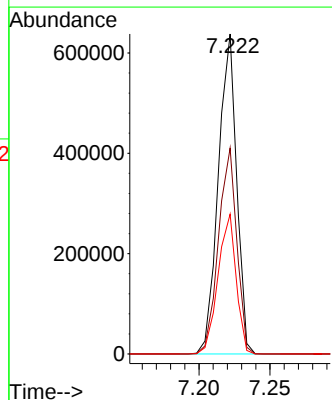
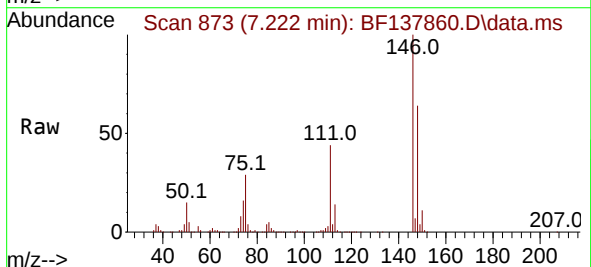
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

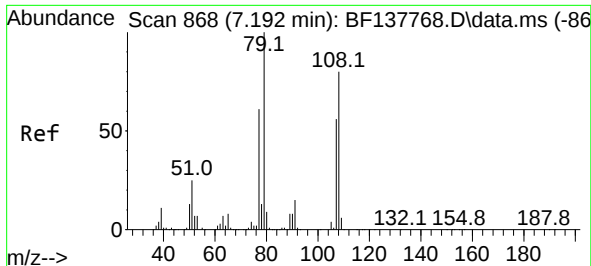
Tgt Ion:146 Resp: 589634  
Ion Ratio Lower Upper  
146 100  
148 63.9 50.7 76.1  
111 42.4 33.8 50.8



#14  
1,2-Dichlorobenzene  
Concen: 44.067 ng  
RT: 7.222 min Scan# 873  
Delta R.T. -0.012 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:146 Resp: 570925  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.8 77.8  
111 43.7 33.6 50.4





#15

Benzyl Alcohol

Concen: 48.675 ng

RT: 7.192 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

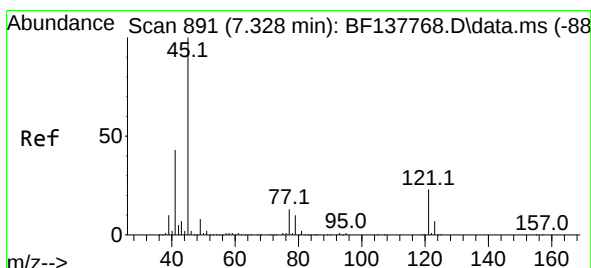
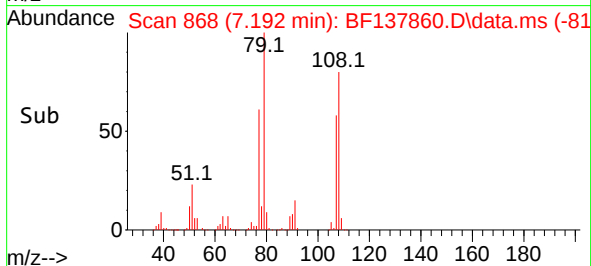
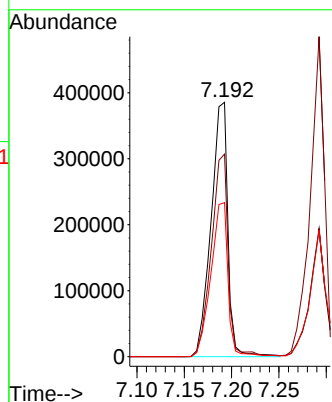
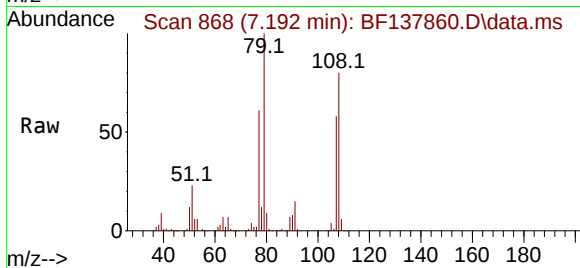
Tgt Ion: 79 Resp: 476287

Ion Ratio Lower Upper

79 100

108 79.6 64.2 96.2

77 60.6 48.5 72.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.827 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

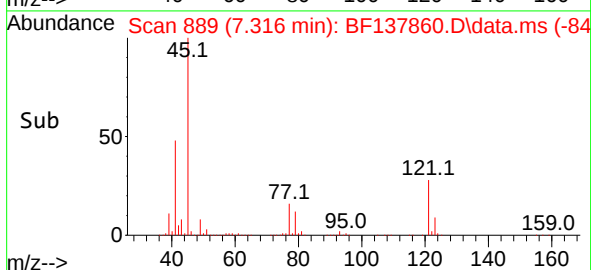
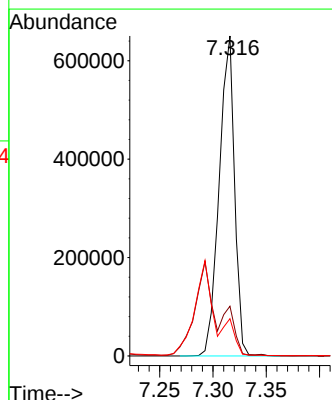
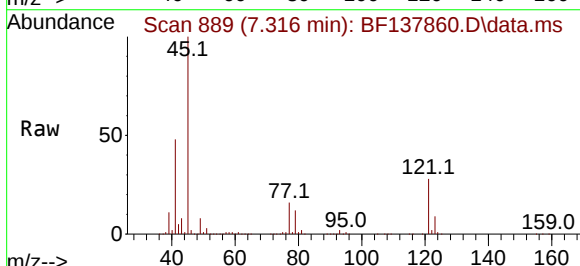
Tgt Ion: 45 Resp: 651477

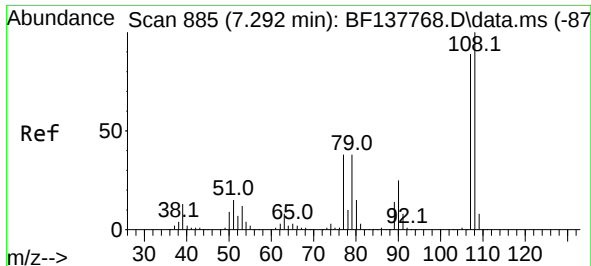
Ion Ratio Lower Upper

45 100

77 15.6 0.0 33.8

79 11.7 0.0 31.0

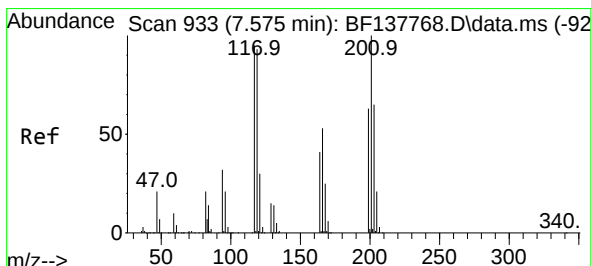
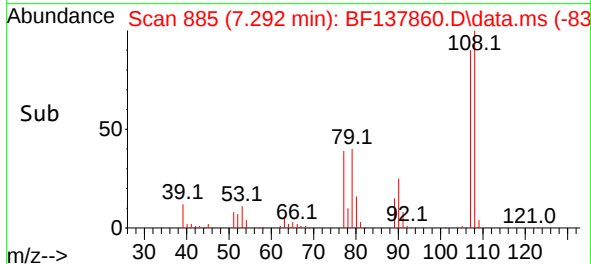
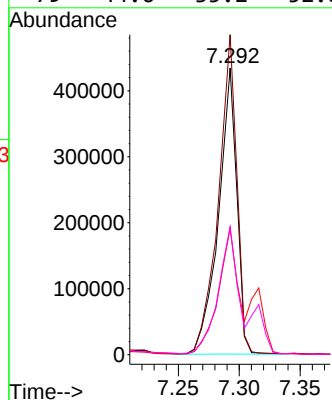
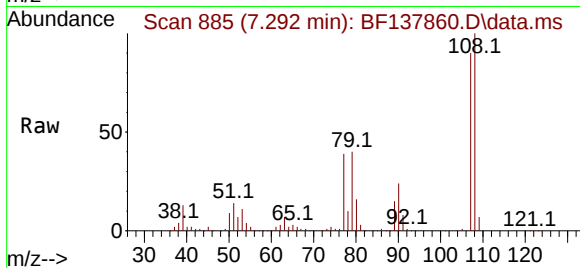




#17  
2-Methylphenol  
Concen: 46.354 ng  
RT: 7.292 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

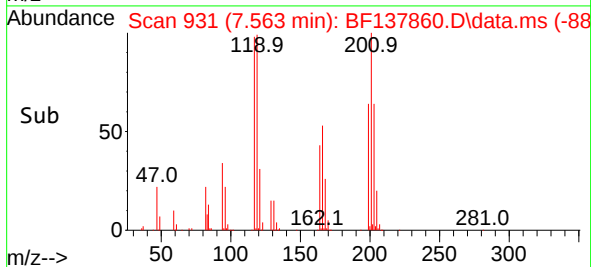
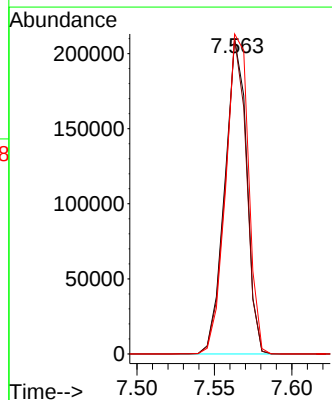
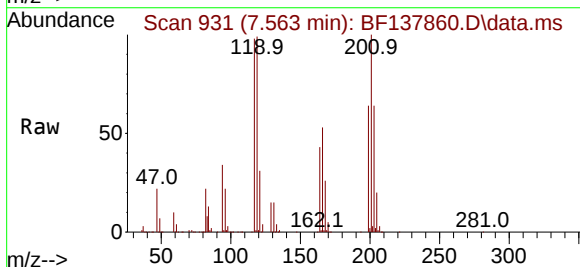
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

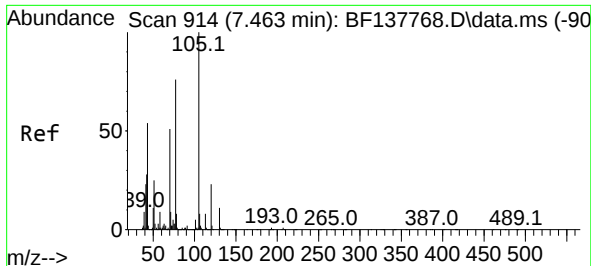
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 454709 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.7 | 90.5  | 135.7  |
| 77       | 44.0  | 34.5  | 51.7   |
| 79       | 44.6  | 35.2  | 52.8   |



#18  
Hexachloroethane  
Concen: 44.287 ng  
RT: 7.563 min Scan# 931  
Delta R.T. -0.012 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 205946 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 100.1 | 77.6  | 116.4  |
| 201      | 101.6 | 83.8  | 125.8  |

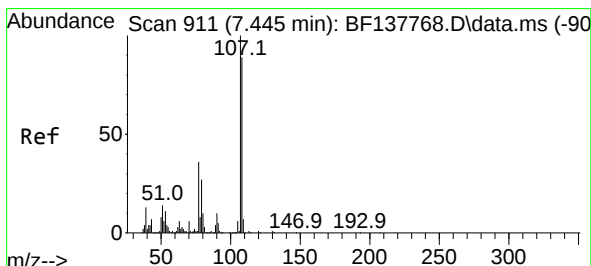
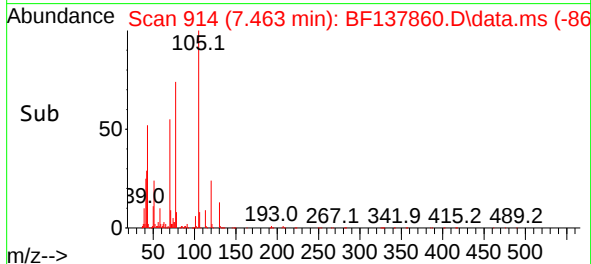
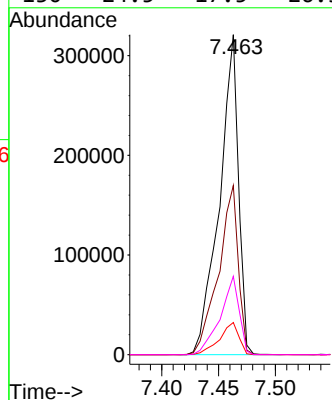
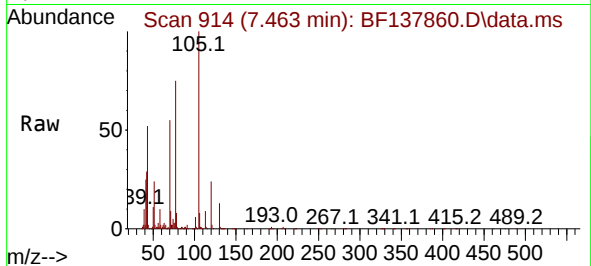




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.357 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

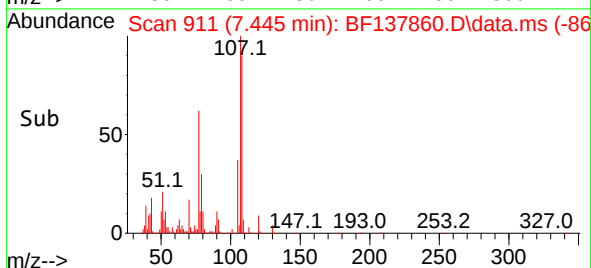
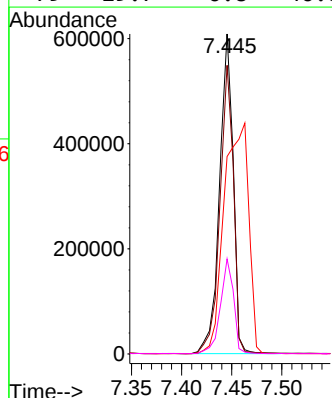
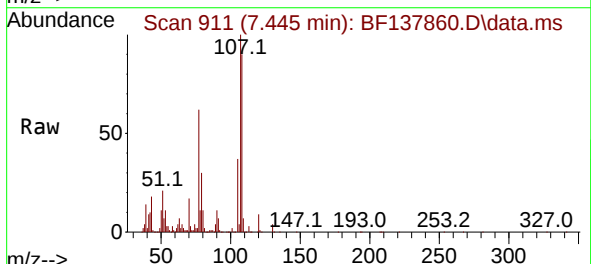
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

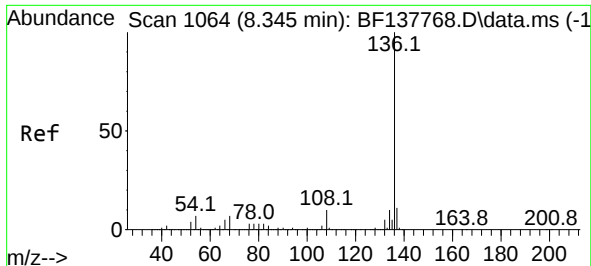
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 375074 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.8  | 44.6  | 66.8   |
| 101      | 10.1  | 7.8   | 11.6   |
| 130      | 24.5  | 17.5  | 26.3   |



#20  
3+4-Methylphenols  
Concen: 44.532 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 574717 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.2  | 69.3  | 109.3  |
| 77       | 61.7  | 15.7  | 55.7#  |
| 79       | 29.7  | 6.8   | 46.8   |

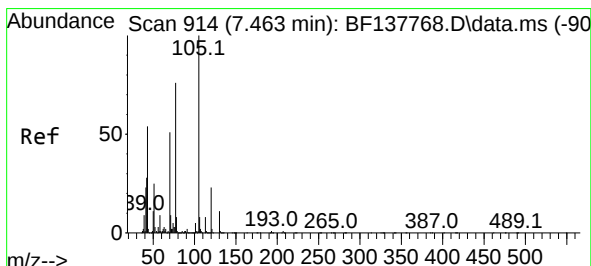
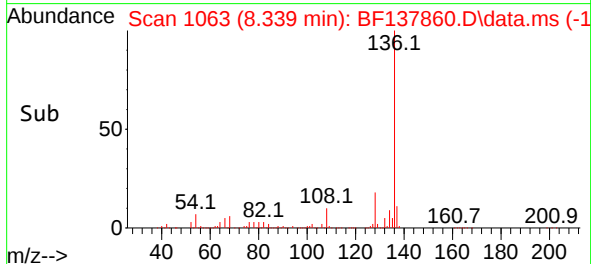
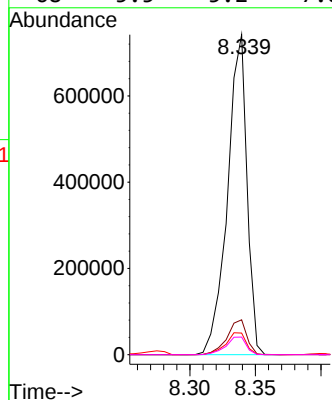
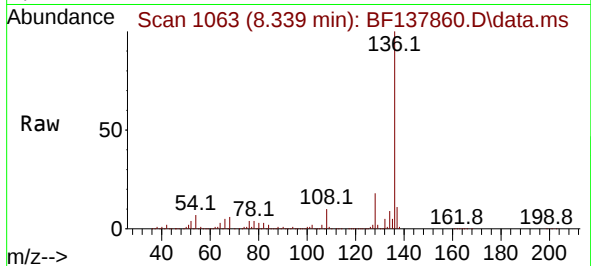




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.339 min Scan# 1063  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

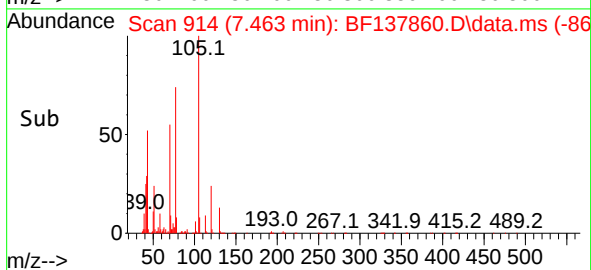
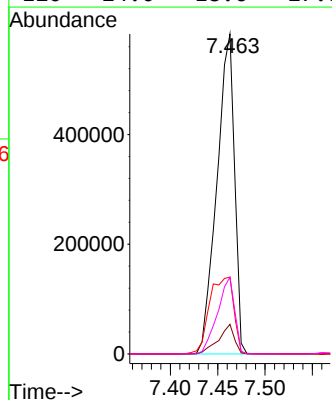
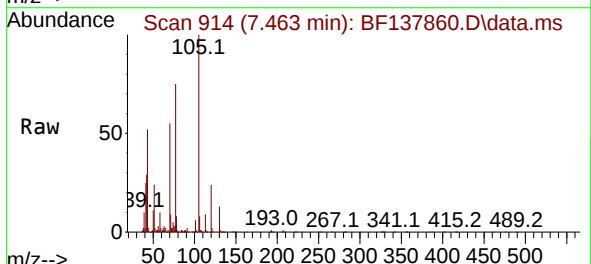
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

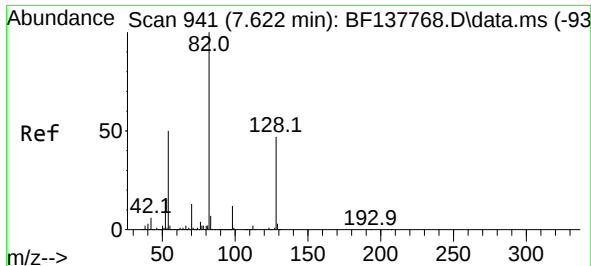
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 765296 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.8   | 13.2   |
| 54       | 6.8   | 5.8   | 8.8    |
| 68       | 5.5   | 5.2   | 7.8    |



#22  
Acetophenone  
Concen: 44.001 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 757337 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 9.2   | 6.9   | 10.3   |
| 51       | 24.0  | 20.2  | 30.2   |
| 120      | 24.0  | 18.6  | 27.8   |





#23

Nitrobenzene-d5

Concen: 82.850 ng

RT: 7.616 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

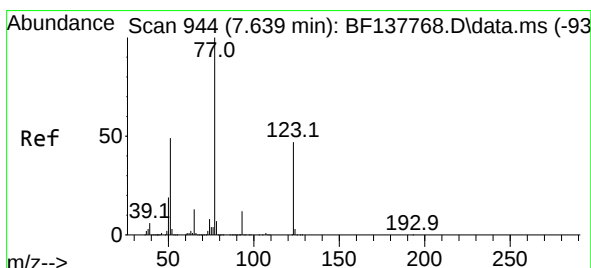
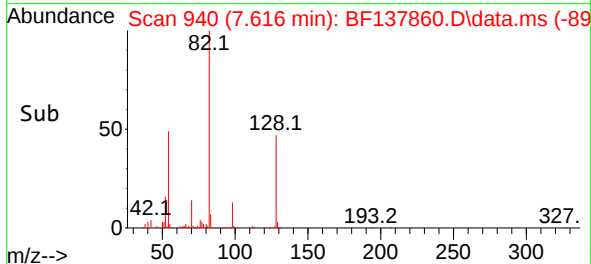
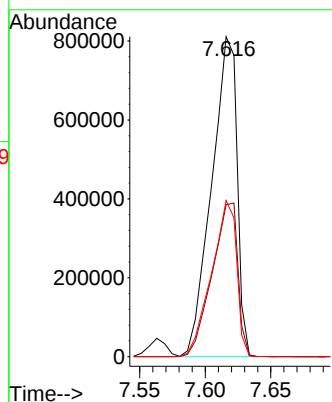
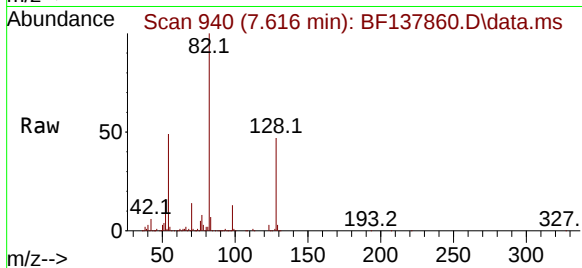
BNA\_F

ClientSampleId :

PB160643BS

Tgt Ion: 82 Resp: 1091342

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.5  | 37.5  | 56.3  |
| 54  | 48.8  | 39.8  | 59.6  |



#24

Nitrobenzene

Concen: 41.559 ng

RT: 7.634 min Scan# 943

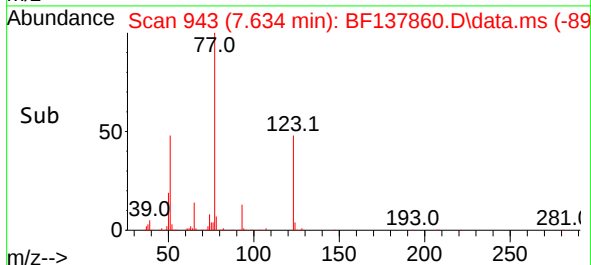
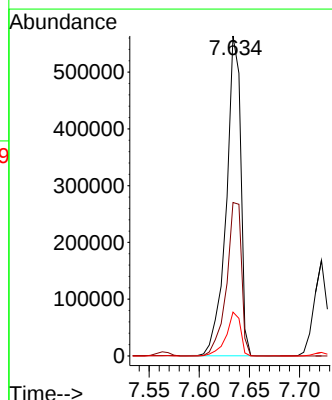
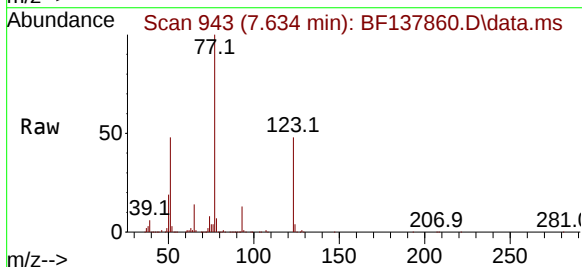
Delta R.T. -0.006 min

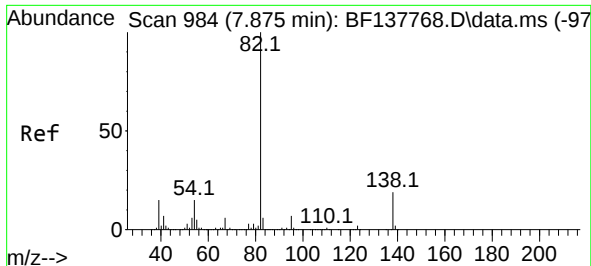
Lab File: BF137860.D

Acq: 09 May 2024 12:22

Tgt Ion: 77 Resp: 564215

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.9  | 37.4  | 56.2  |
| 65  | 13.7  | 10.7  | 16.1  |

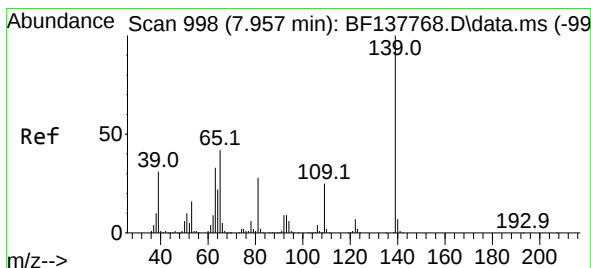
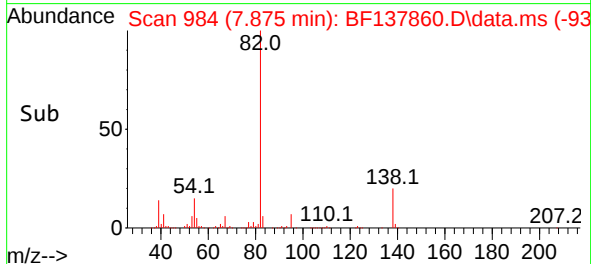
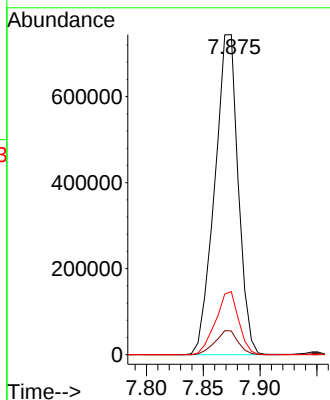
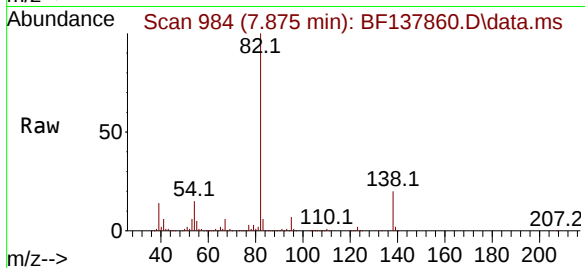




#25  
Isophorone  
Concen: 45.157 ng  
RT: 7.875 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

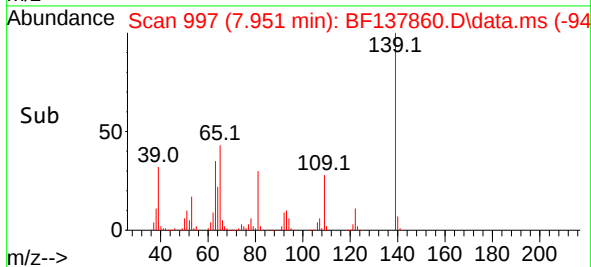
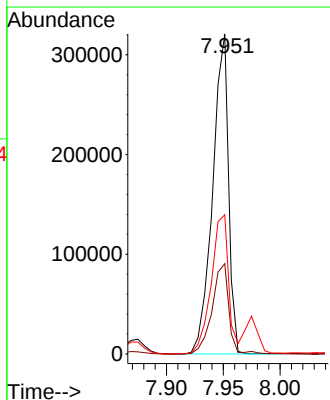
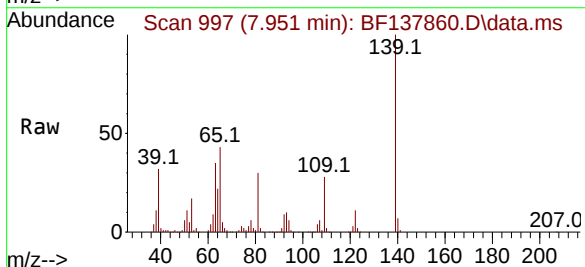
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

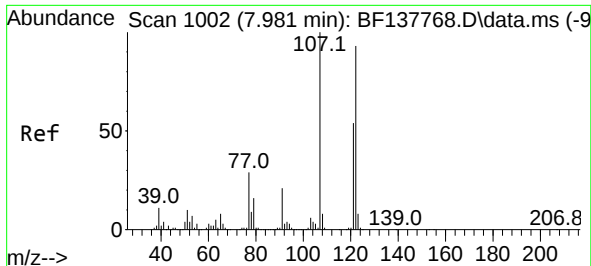
Tgt Ion: 82 Resp: 1072489  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.7 8.5  
138 19.7 15.0 22.6



#26  
2-Nitrophenol  
Concen: 50.758 ng  
RT: 7.951 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:139 Resp: 312057  
Ion Ratio Lower Upper  
139 100  
109 28.2 20.2 30.2  
65 43.5 33.4 50.0

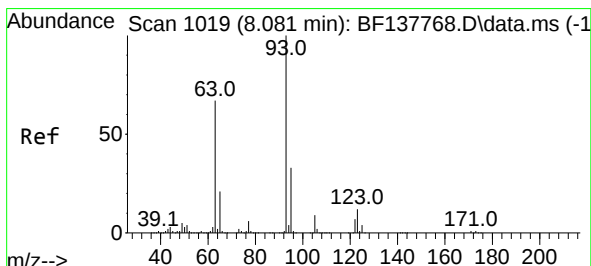
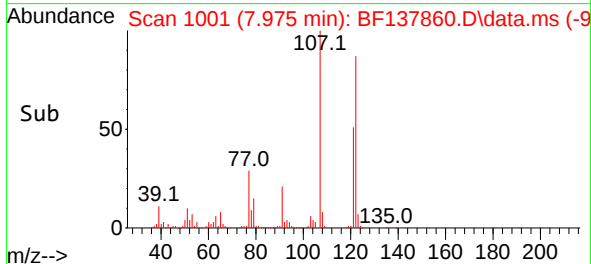
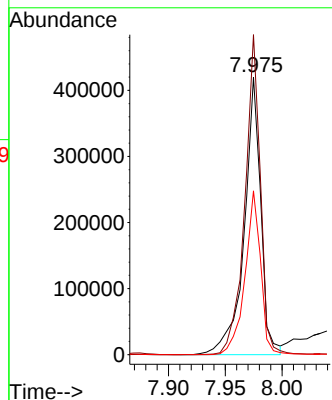
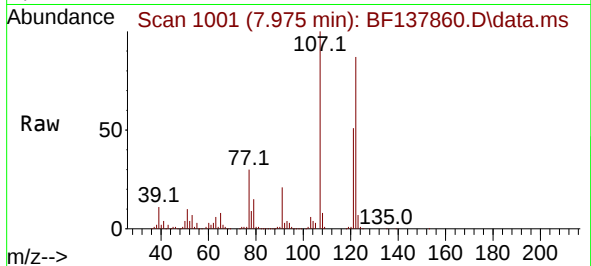




#27  
2,4-Dimethylphenol  
Concen: 48.244 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

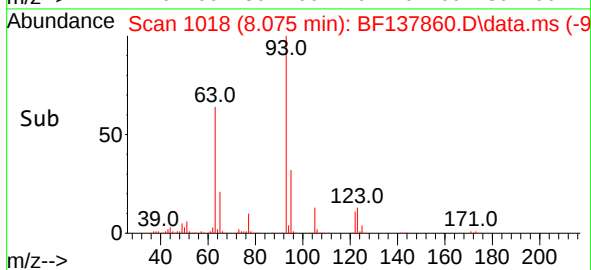
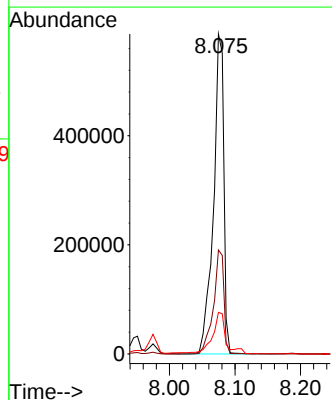
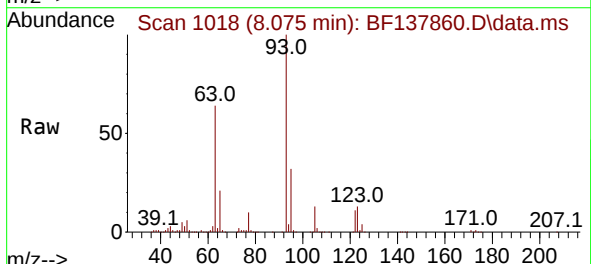
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

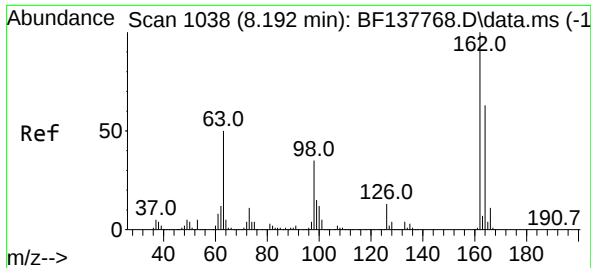
Tgt Ion:122 Resp: 427001  
Ion Ratio Lower Upper  
122 100  
107 115.2 85.8 128.8  
121 59.0 46.6 69.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.825 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion: 93 Resp: 644573  
Ion Ratio Lower Upper  
93 100  
95 32.5 26.1 39.1  
123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.009 ng

RT: 8.186 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

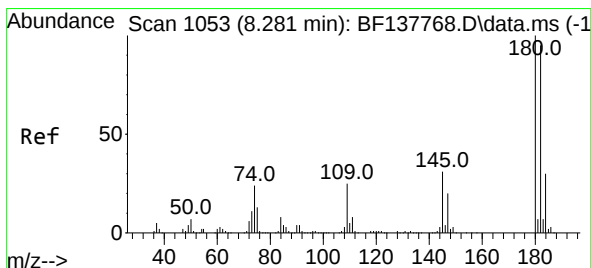
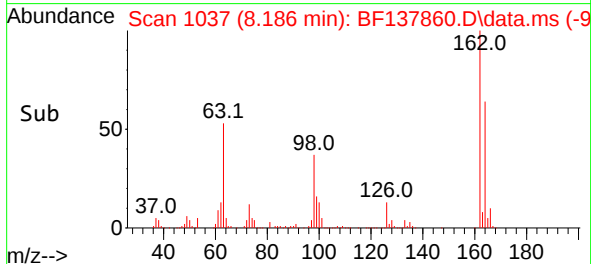
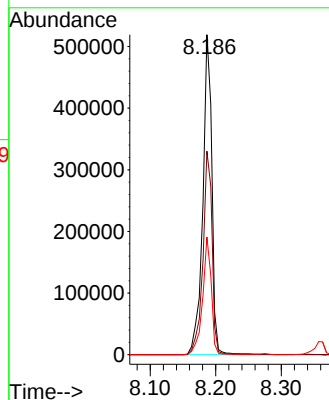
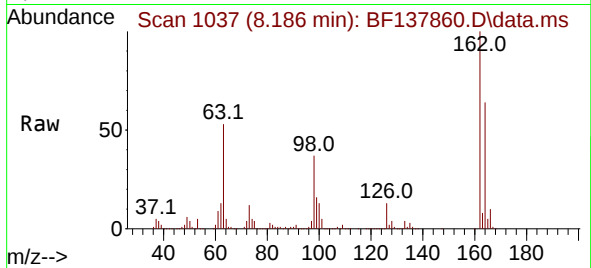
Tgt Ion:162 Resp: 502901

Ion Ratio Lower Upper

162 100

164 63.6 43.5 83.5

98 36.8 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 44.064 ng

RT: 8.275 min Scan# 1052

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

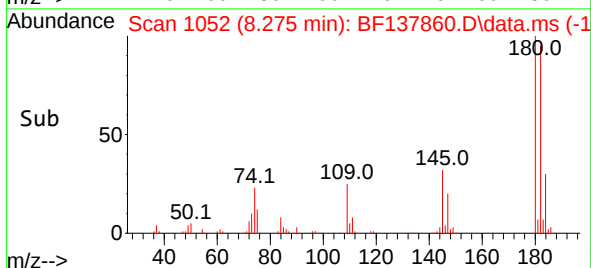
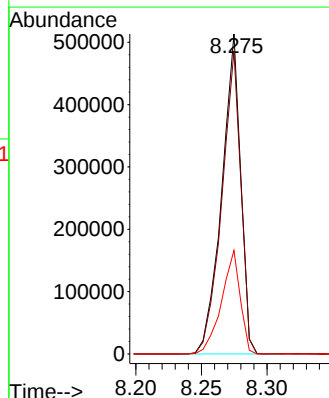
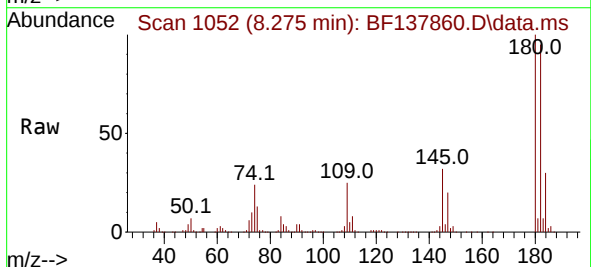
Tgt Ion:180 Resp: 513887

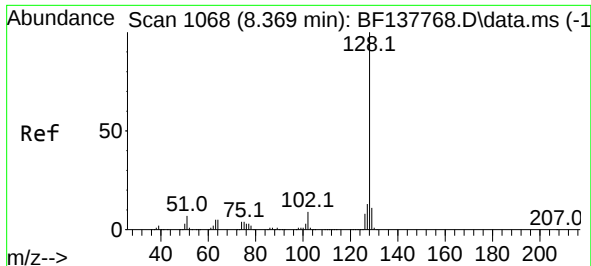
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

145 32.4 25.1 37.7

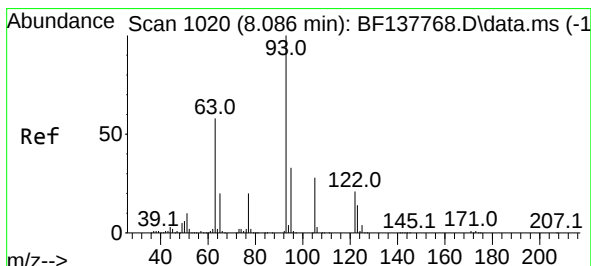
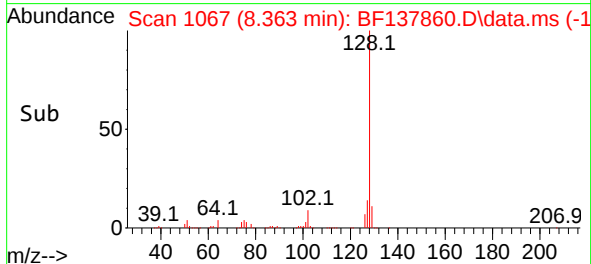
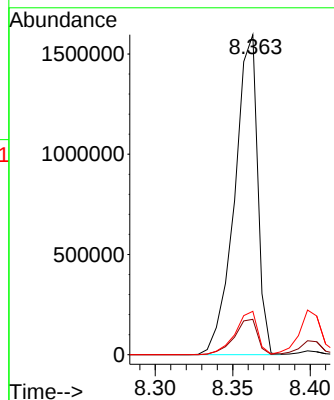
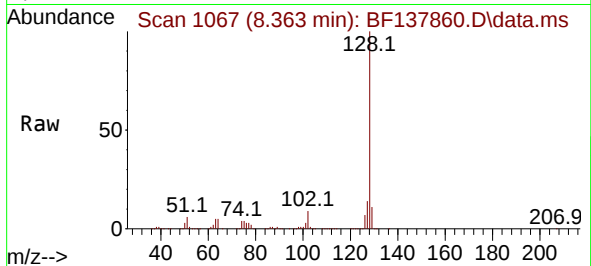




#31  
Naphthalene  
Concen: 43.251 ng  
RT: 8.363 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

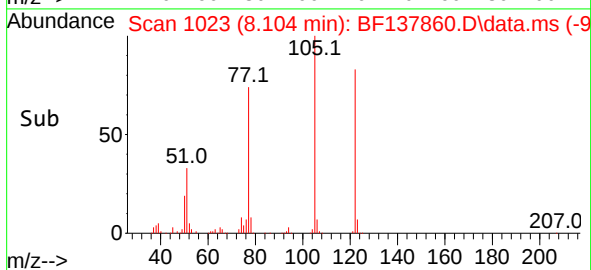
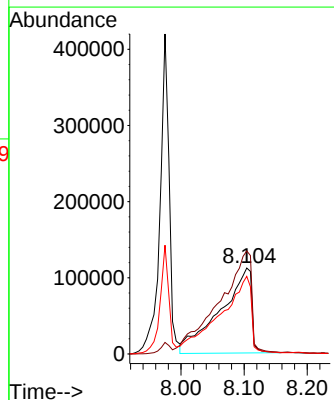
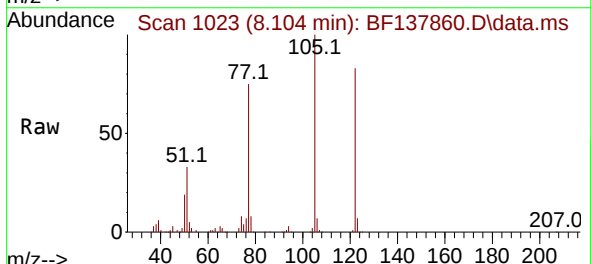
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

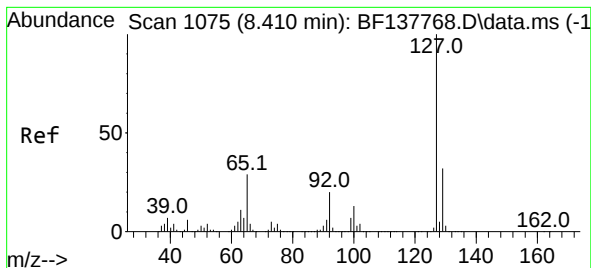
Tgt Ion:128 Resp: 1644929  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.8 13.2  
127 13.6 10.6 16.0



#32  
Benzoic acid  
Concen: 50.408 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.018 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:122 Resp: 384897  
Ion Ratio Lower Upper  
122 100  
105 119.8 105.3 145.3  
77 90.3 73.2 113.2





#33

4-Chloroaniline

Concen: 16.575 ng

RT: 8.398 min Scan# 1073

Delta R.T. -0.012 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

Tgt Ion:127 Resp: 233763

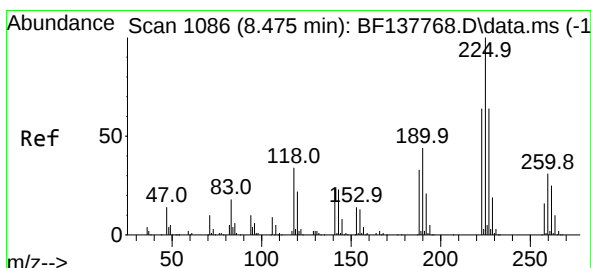
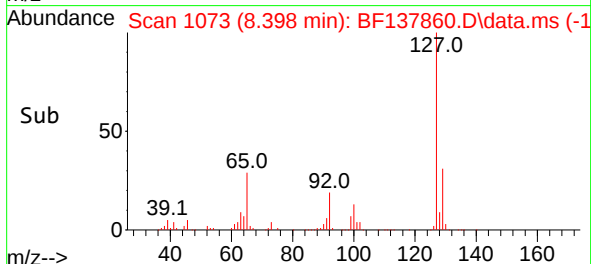
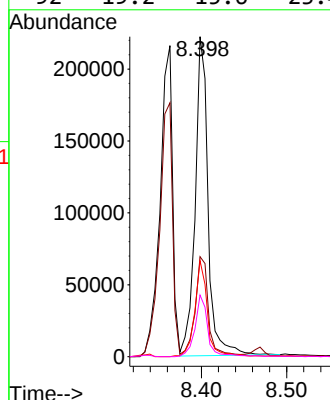
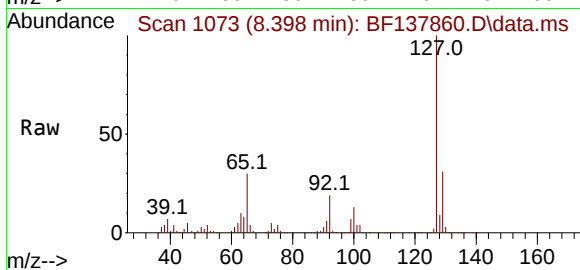
Ion Ratio Lower Upper

127 100

129 31.3 25.7 38.5

65 30.0 23.4 35.2

92 19.2 15.6 23.4



#34

Hexachlorobutadiene

Concen: 44.139 ng

RT: 8.469 min Scan# 1085

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

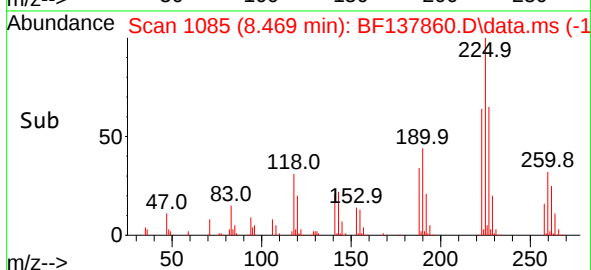
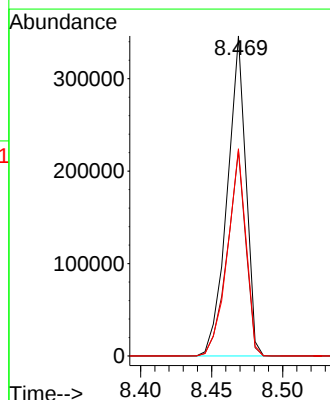
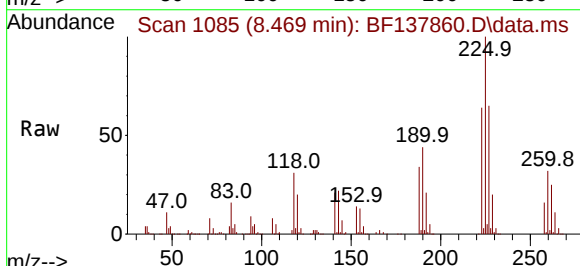
Tgt Ion:225 Resp: 316040

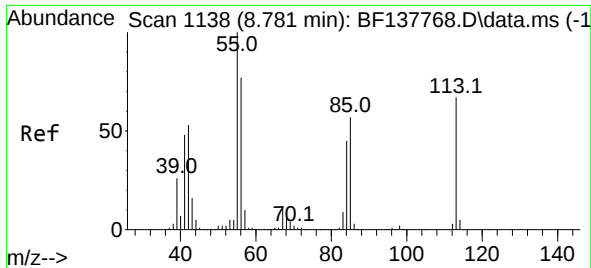
Ion Ratio Lower Upper

225 100

223 64.1 51.1 76.7

227 64.8 51.4 77.0

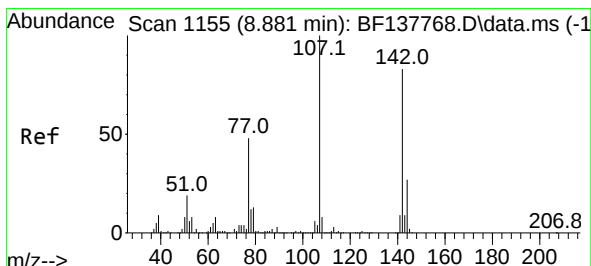
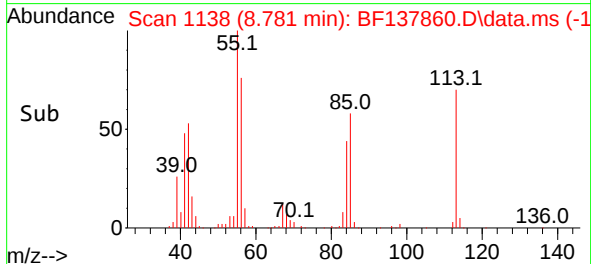
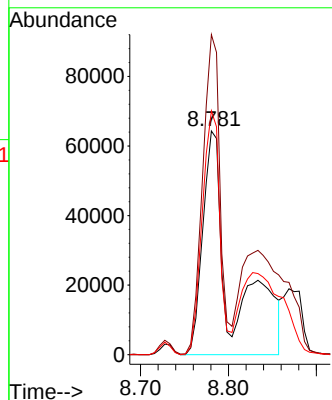
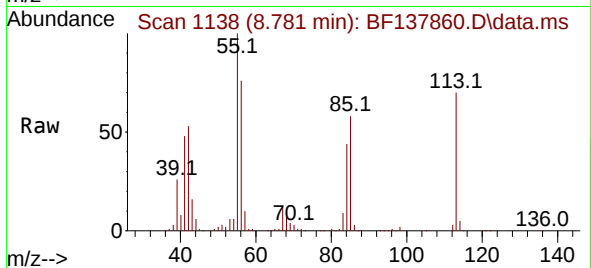




#35  
 Caprolactam  
 Concen: 42.922 ng m  
 RT: 8.781 min Scan# 1138  
 Delta R.T. -0.000 min  
 Lab File: BF137860.D  
 Acq: 09 May 2024 12:22

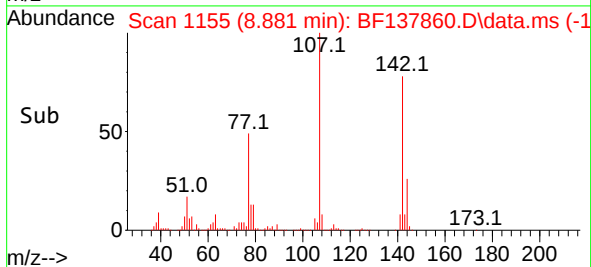
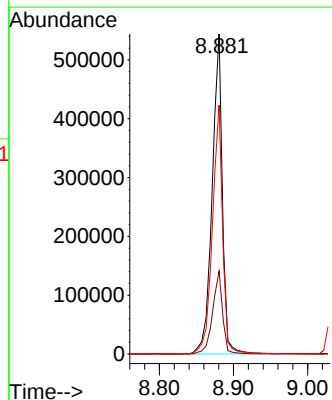
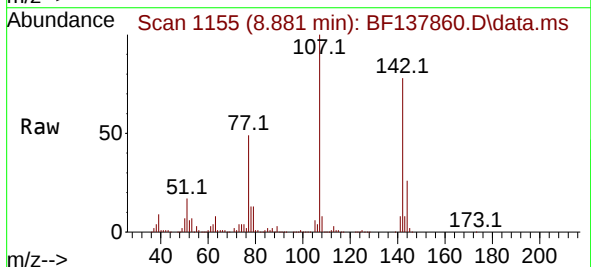
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB160643BS

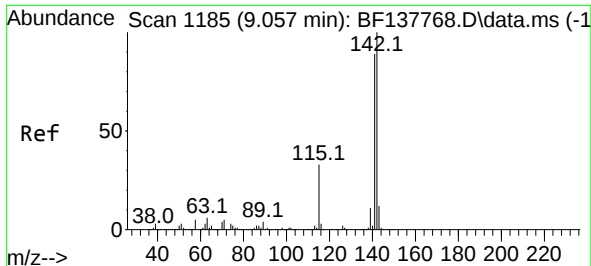
Tgt Ion:113 Resp: 145489  
 Ion Ratio Lower Upper  
 113 100  
 55 143.1 128.7 168.7  
 56 109.0 93.9 133.9



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.787 ng  
 RT: 8.881 min Scan# 1155  
 Delta R.T. 0.000 min  
 Lab File: BF137860.D  
 Acq: 09 May 2024 12:22

Tgt Ion:107 Resp: 521964  
 Ion Ratio Lower Upper  
 107 100  
 144 25.9 21.4 32.0  
 142 77.8 66.2 99.2





#37

2-Methylnaphthalene

Concen: 45.296 ng

RT: 9.051 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

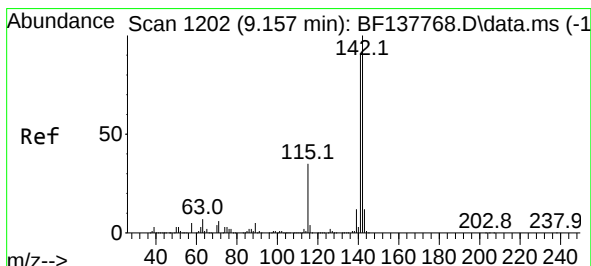
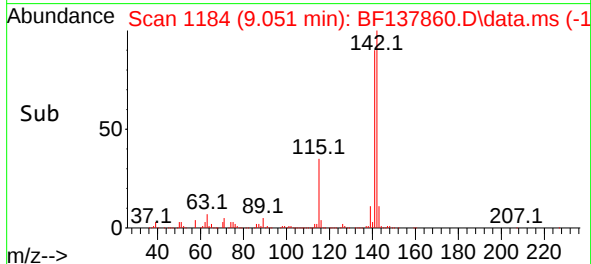
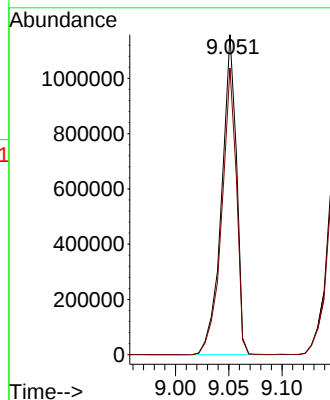
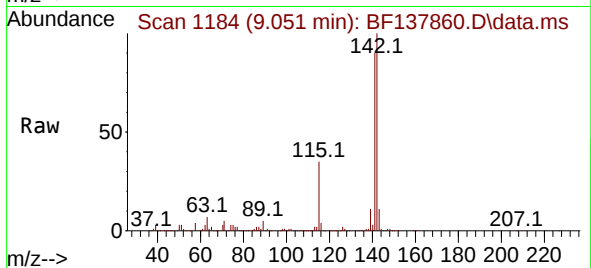
PB160643BS

Tgt Ion:142 Resp: 1115122

Ion Ratio Lower Upper

142 100

141 89.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 42.390 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF137860.D

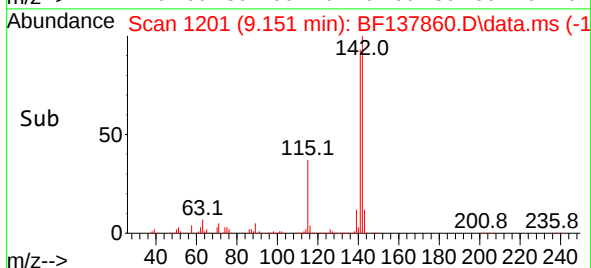
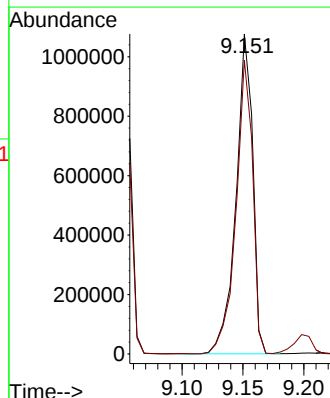
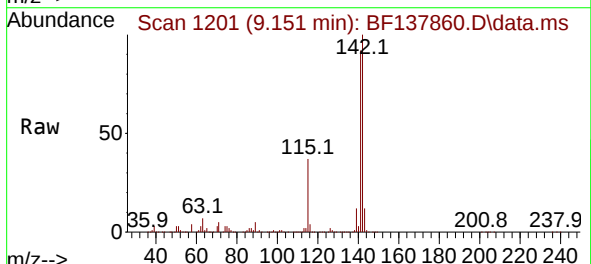
Acq: 09 May 2024 12:22

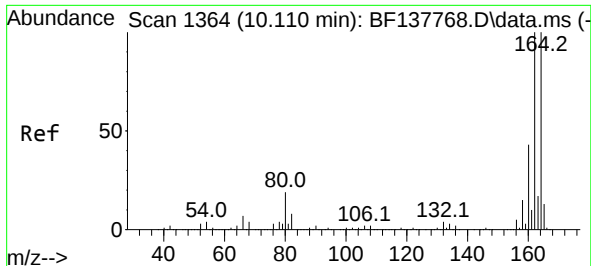
Tgt Ion:142 Resp: 1026699

Ion Ratio Lower Upper

142 100

141 91.8 73.1 109.7

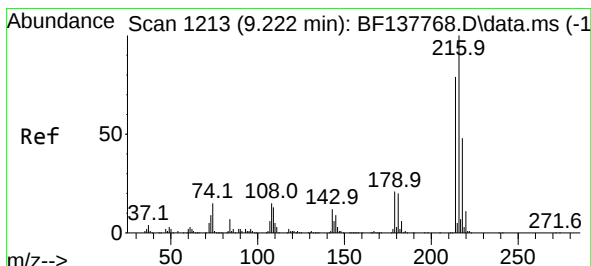
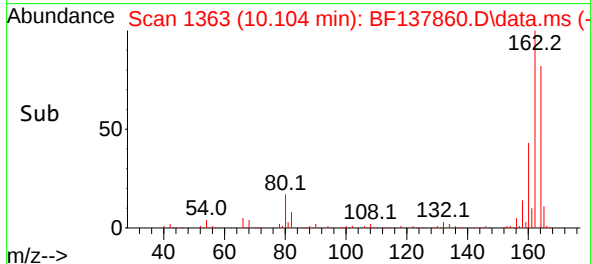
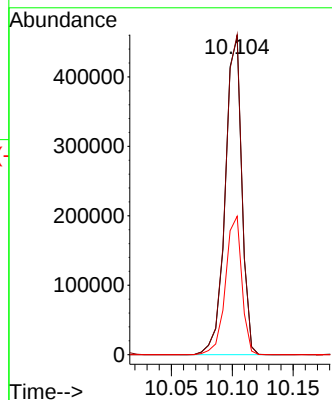
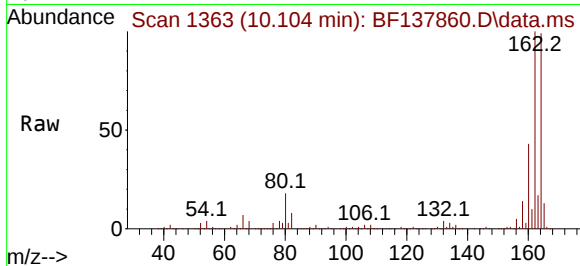




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.104 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

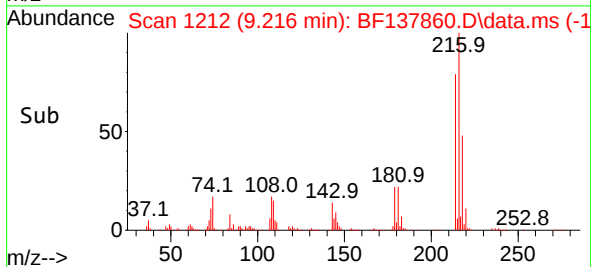
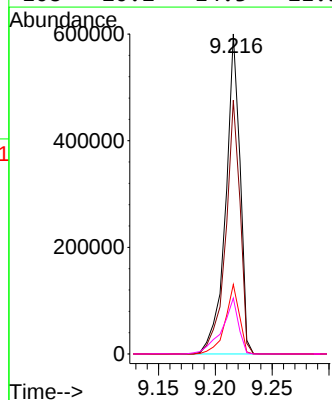
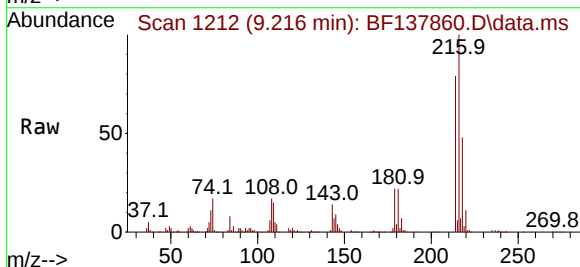
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

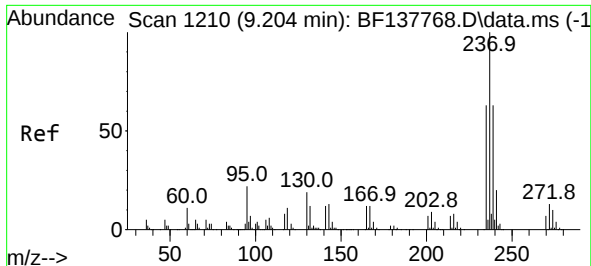
Tgt Ion:164 Resp: 433458  
Ion Ratio Lower Upper  
164 100  
162 100.8 79.8 119.6  
160 43.6 34.4 51.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.850 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:216 Resp: 526373  
Ion Ratio Lower Upper  
216 100  
214 79.1 63.3 94.9  
179 21.4 16.8 25.2  
108 20.2 14.3 21.5

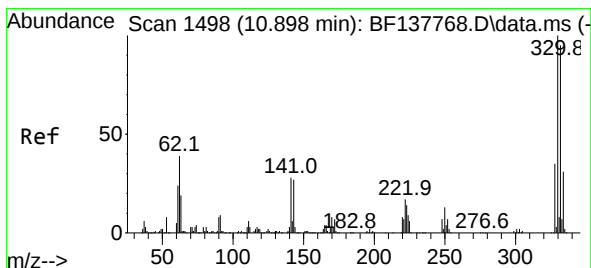
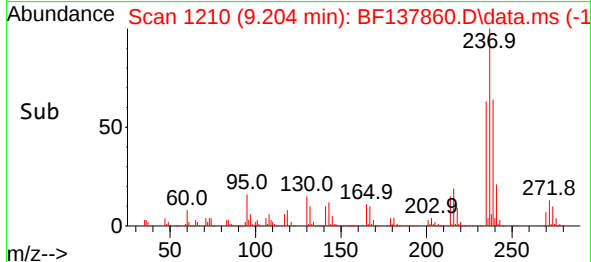
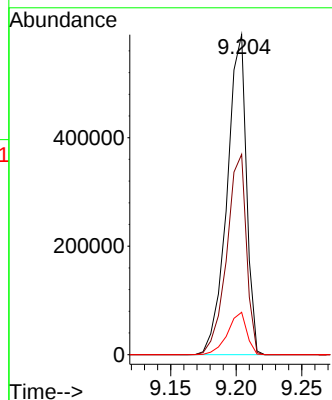
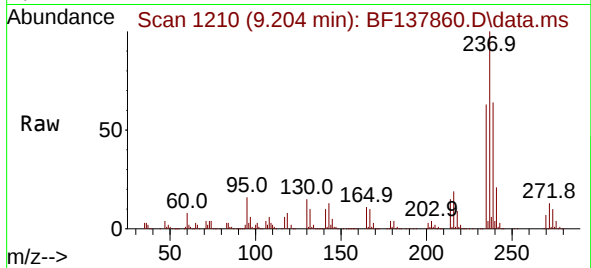




#41  
Hexachlorocyclopentadiene  
Concen: 129.957 ng  
RT: 9.204 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

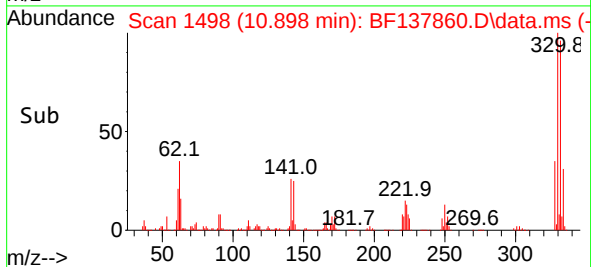
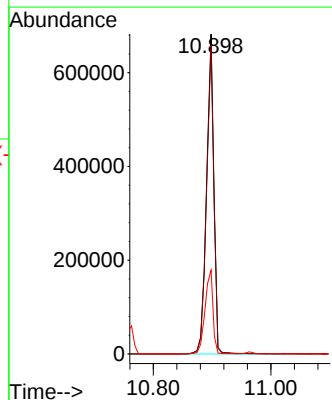
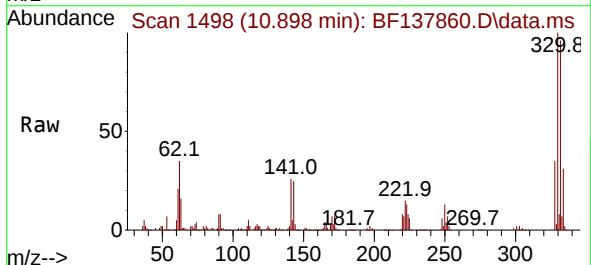
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

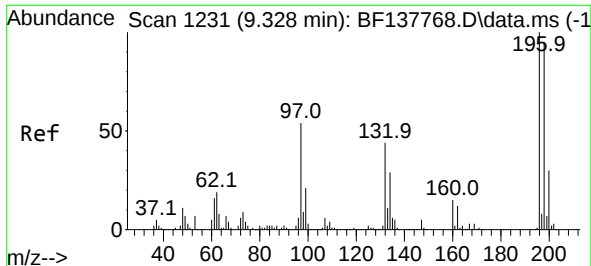
Tgt Ion:237 Resp: 605998  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.0 83.0  
272 13.2 0.0 32.8



#42  
2,4,6-Tribromophenol  
Concen: 134.378 ng  
RT: 10.898 min Scan# 1498  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:330 Resp: 594718  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.3 115.9  
141 28.3 23.8 35.6





#43

2,4,6-Trichlorophenol

Concen: 47.862 ng

RT: 9.328 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

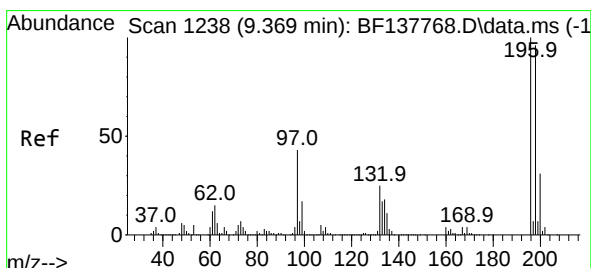
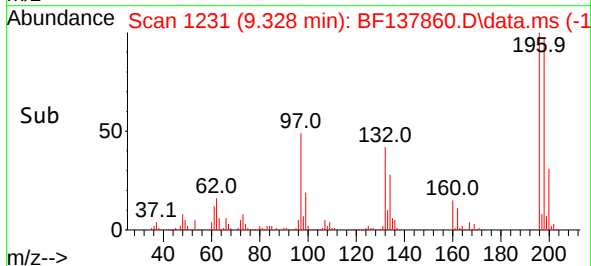
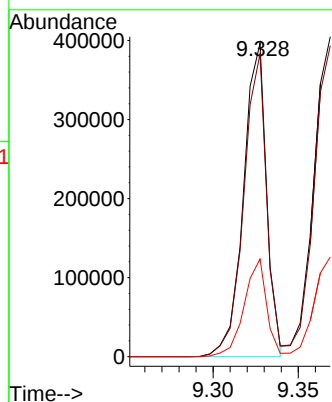
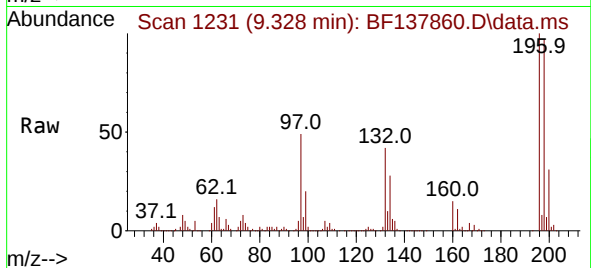
Tgt Ion:196 Resp: 374029

Ion Ratio Lower Upper

196 100

198 96.7 76.2 114.4

200 31.2 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 44.743 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Tgt Ion:196 Resp: 386087

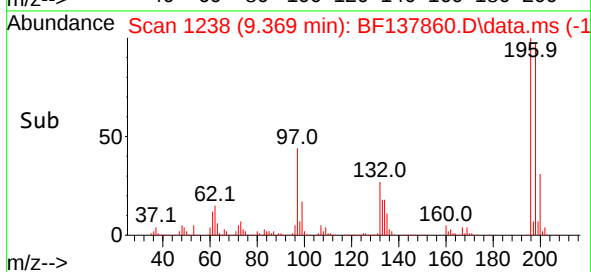
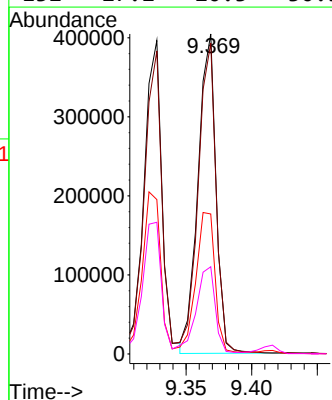
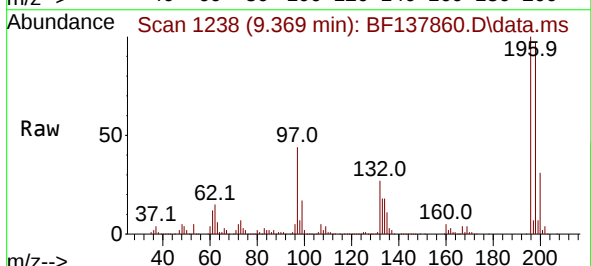
Ion Ratio Lower Upper

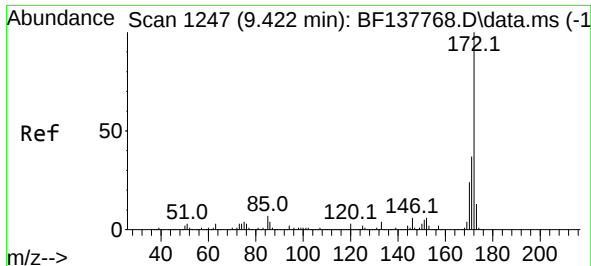
196 100

198 97.2 76.6 114.8

97 43.7 34.5 51.7

132 27.2 20.3 30.5





#45

2-Fluorobiphenyl

Concen: 86.033 ng

RT: 9.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

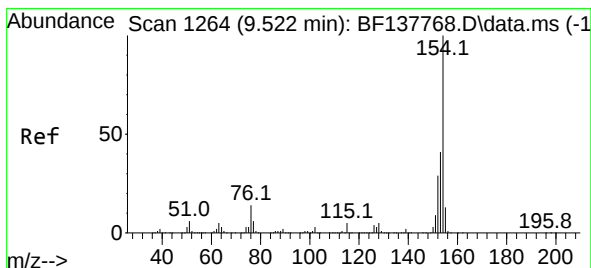
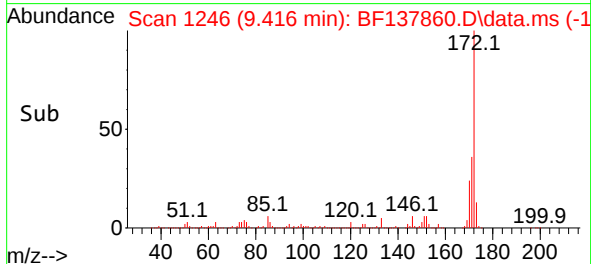
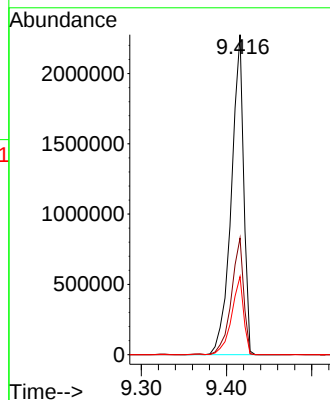
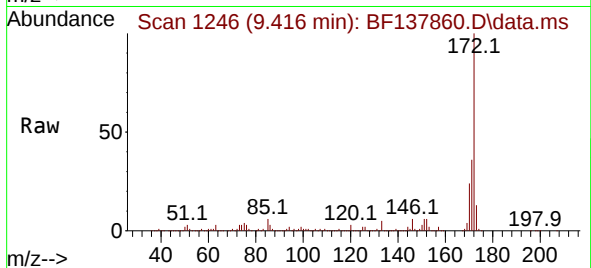
Tgt Ion:172 Resp: 2298612

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

170 24.4 19.4 29.2



#46

1,1'-Biphenyl

Concen: 45.871 ng

RT: 9.516 min Scan# 1263

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

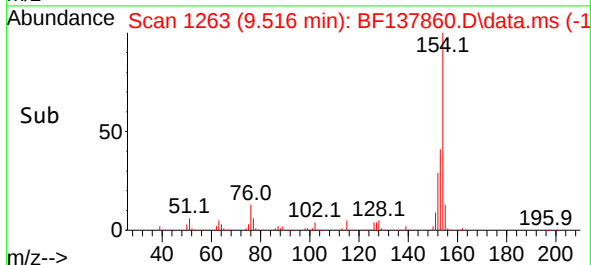
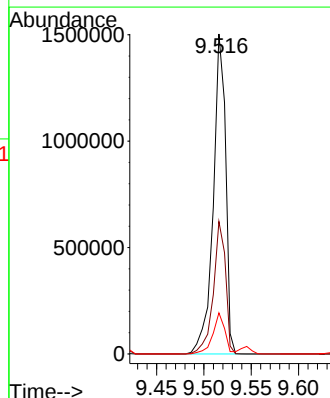
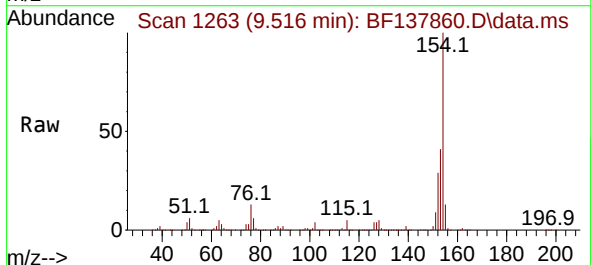
Tgt Ion:154 Resp: 1364539

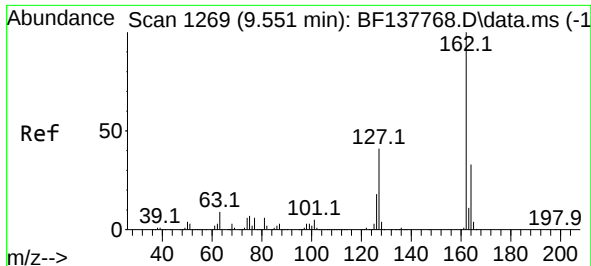
Ion Ratio Lower Upper

154 100

153 41.4 21.4 61.4

76 12.9 0.0 33.5





#47

2-Chloronaphthalene

Concen: 44.435 ng

RT: 9.545 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

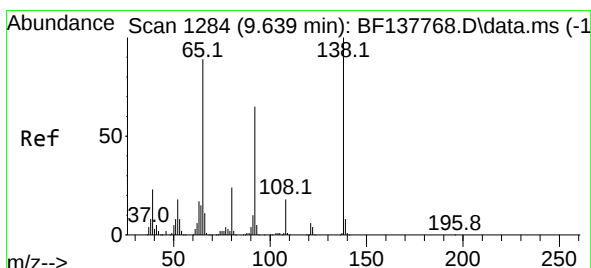
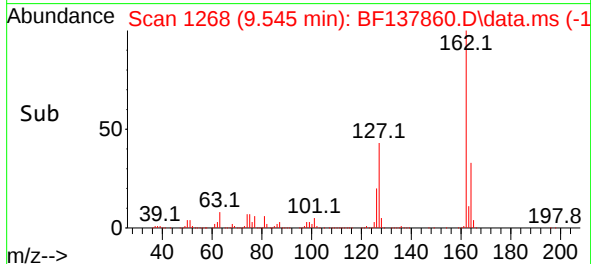
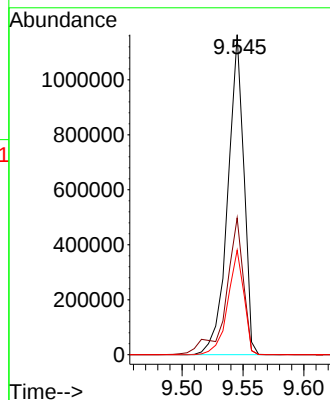
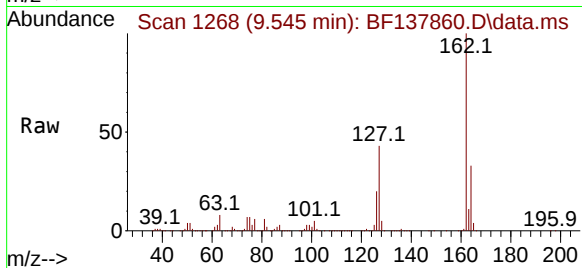
Tgt Ion:162 Resp: 1067173

Ion Ratio Lower Upper

162 100

127 42.8 32.6 49.0

164 32.6 26.5 39.7



#48

2-Nitroaniline

Concen: 46.217 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

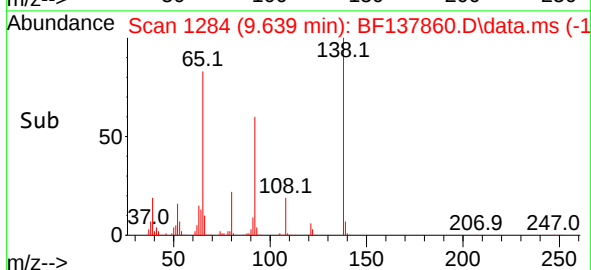
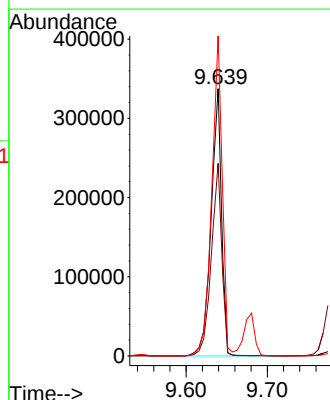
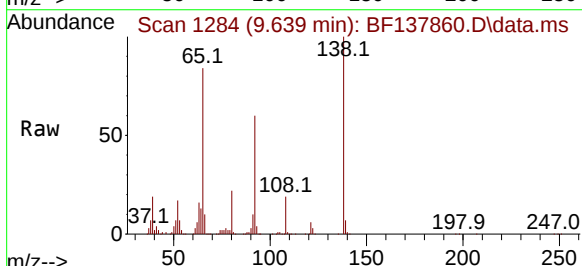
Tgt Ion: 65 Resp: 301031

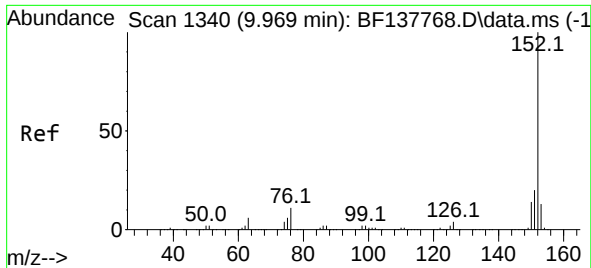
Ion Ratio Lower Upper

65 100

92 72.1 58.6 88.0

138 119.7 90.3 135.5





#49

Acenaphthylene

Concen: 48.269 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

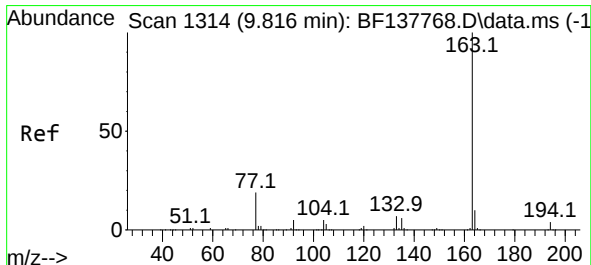
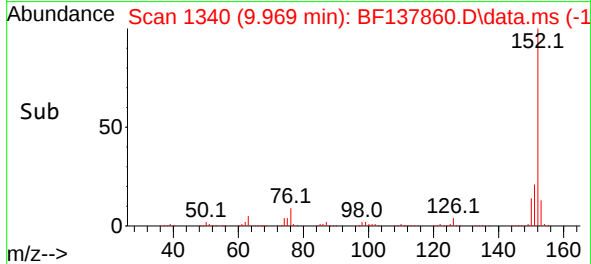
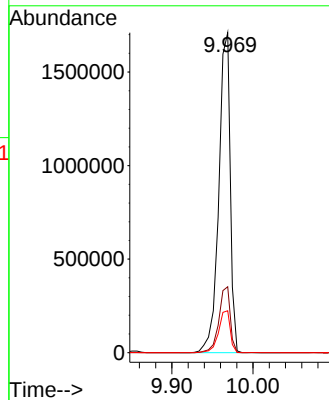
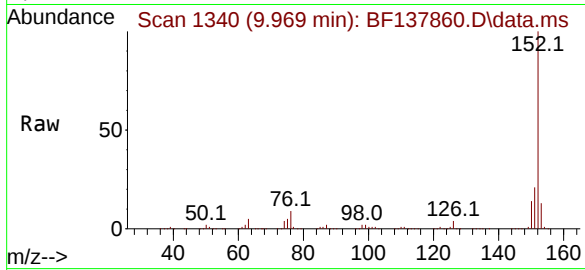
Tgt Ion:152 Resp: 1676961

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4

153 13.1 10.8 16.2



#50

Dimethylphthalate

Concen: 47.539 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

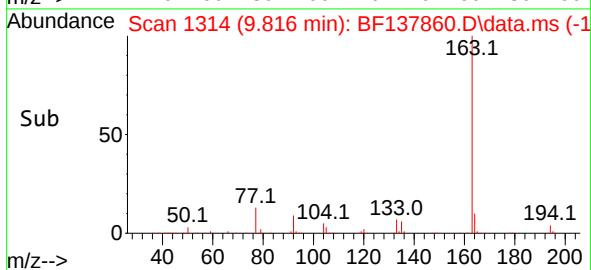
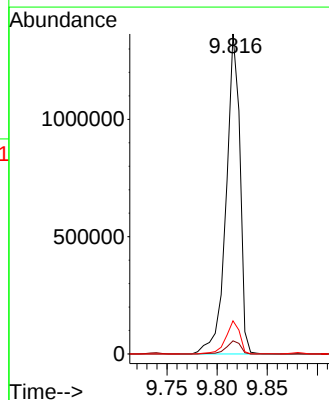
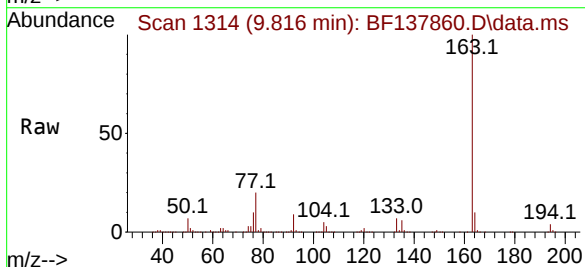
Tgt Ion:163 Resp: 1300838

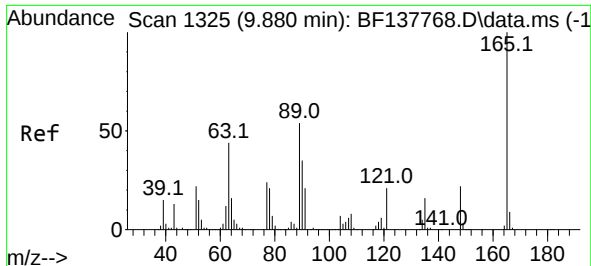
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.3 8.3 12.5

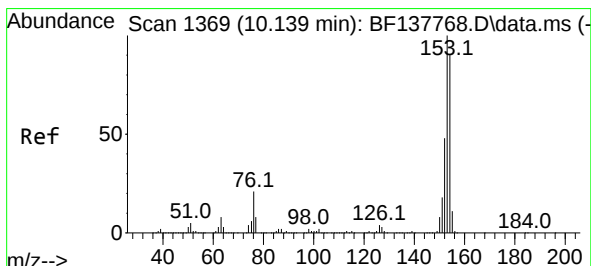
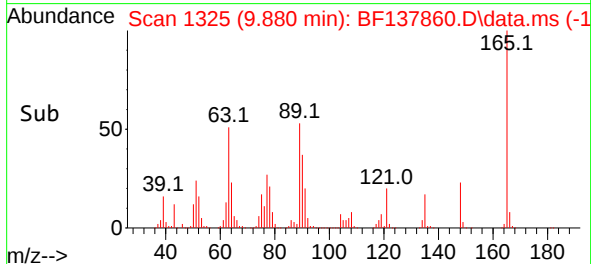
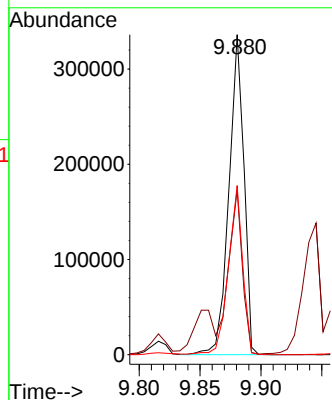
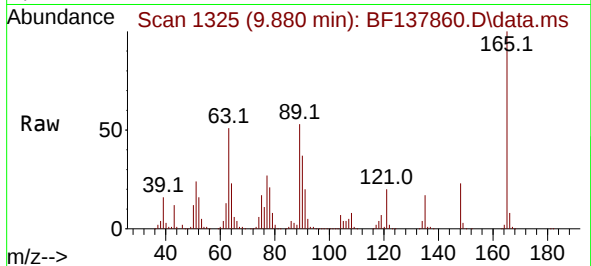




#51  
2,6-Dinitrotoluene  
Concen: 46.162 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

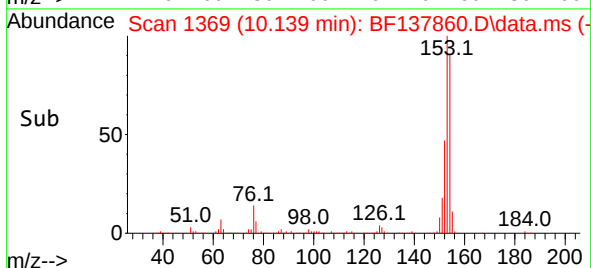
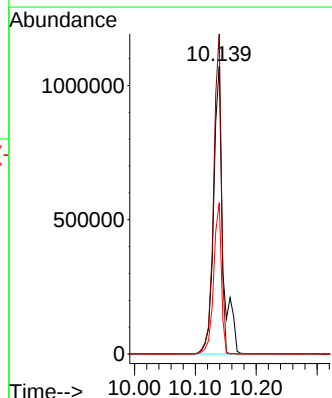
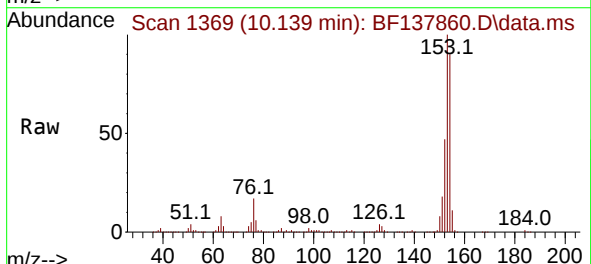
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

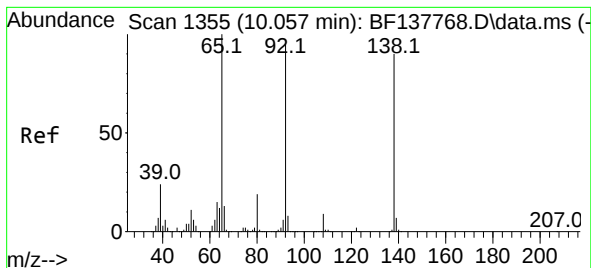
Tgt Ion:165 Resp: 288675  
Ion Ratio Lower Upper  
165 100  
63 51.4 41.9 62.9  
89 52.9 43.2 64.8



#52  
Acenaphthene  
Concen: 49.546 ng  
RT: 10.139 min Scan# 1369  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:154 Resp: 1140972  
Ion Ratio Lower Upper  
154 100  
153 111.2 88.7 133.1  
152 52.6 42.8 64.2

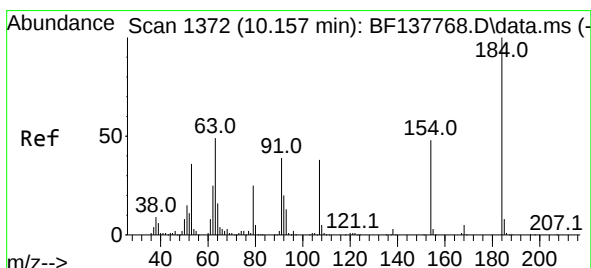
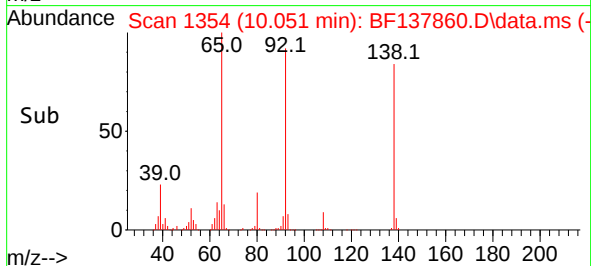
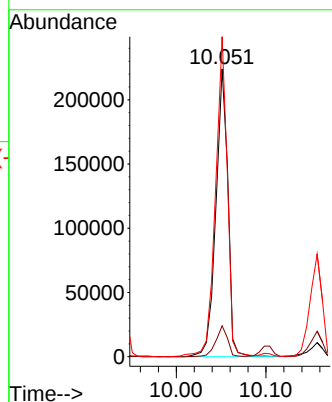
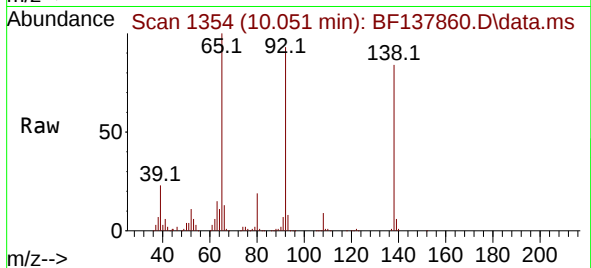




#53  
3-Nitroaniline  
Concen: 31.800 ng  
RT: 10.051 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

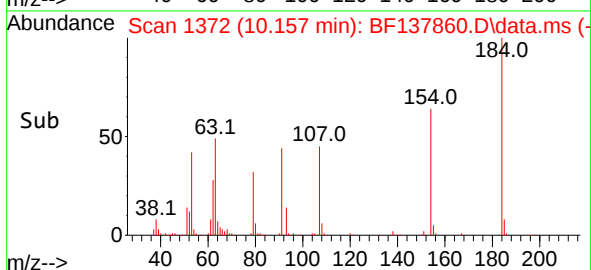
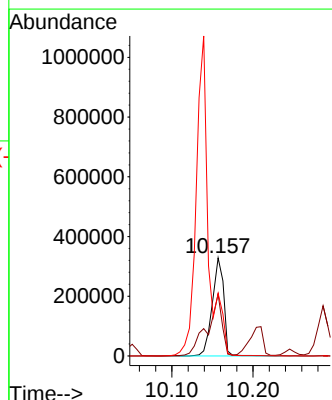
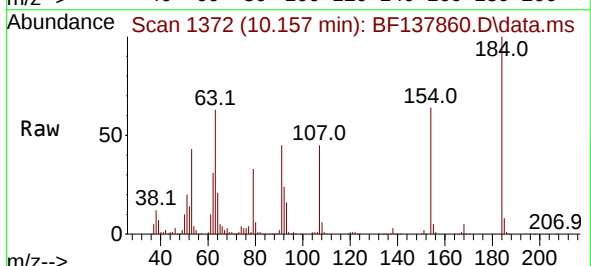
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

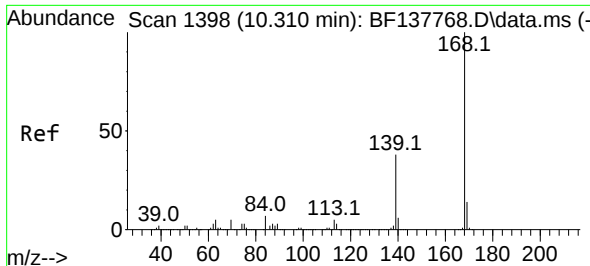
Tgt Ion:138 Resp: 208251  
Ion Ratio Lower Upper  
138 100  
108 10.7 7.8 11.6  
92 111.2 84.6 126.8



#54  
2,4-Dinitrophenol  
Concen: 105.200 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:184 Resp: 323248  
Ion Ratio Lower Upper  
184 100  
63 63.0 40.3 60.5#  
154 63.8 45.2 67.8

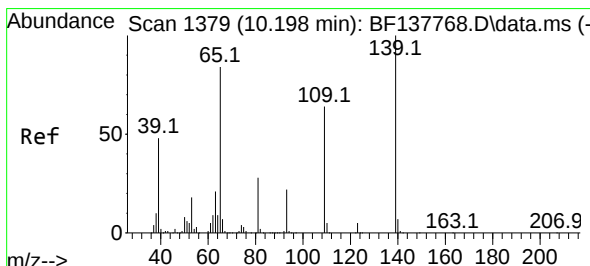
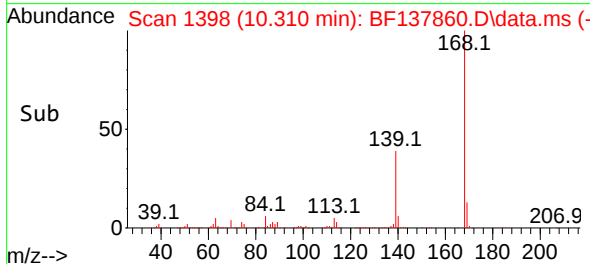
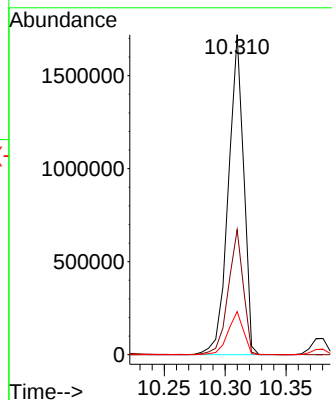
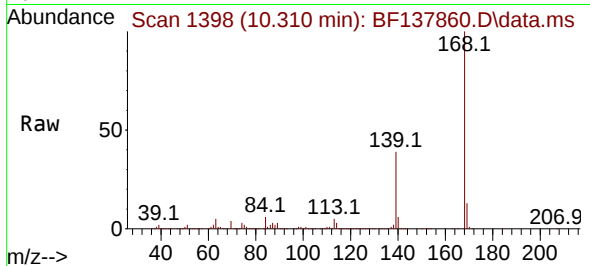




#55  
Dibenzofuran  
Concen: 45.086 ng  
RT: 10.310 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

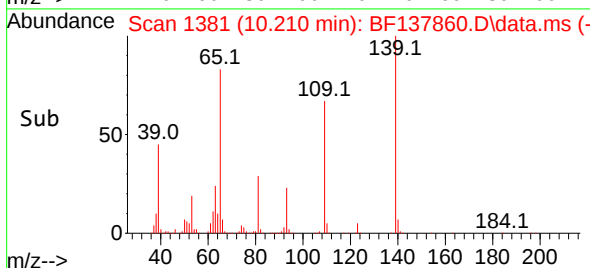
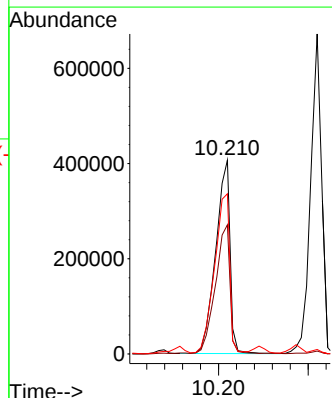
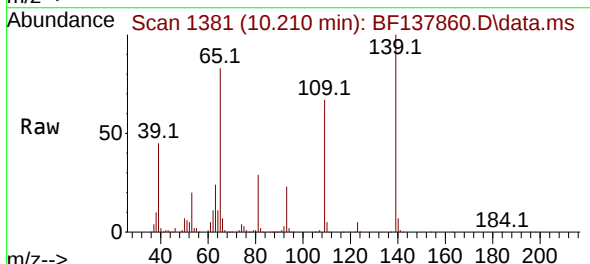
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

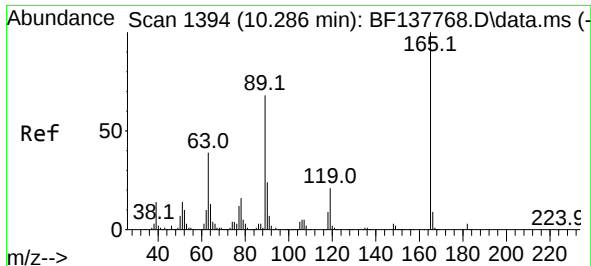
Tgt Ion:168 Resp: 1510895  
Ion Ratio Lower Upper  
168 100  
139 39.1 30.2 45.4  
169 13.4 11.4 17.0



#56  
4-Nitrophenol  
Concen: 83.012 ng  
RT: 10.210 min Scan# 1381  
Delta R.T. 0.012 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:139 Resp: 450554  
Ion Ratio Lower Upper  
139 100  
109 66.6 44.0 84.0  
65 82.6 64.3 104.3

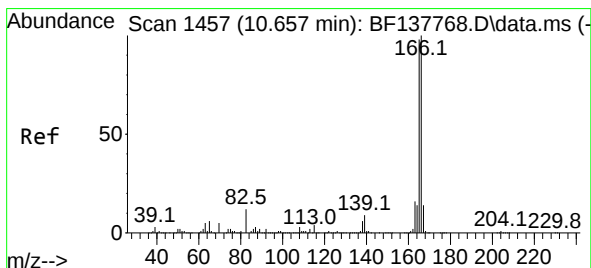
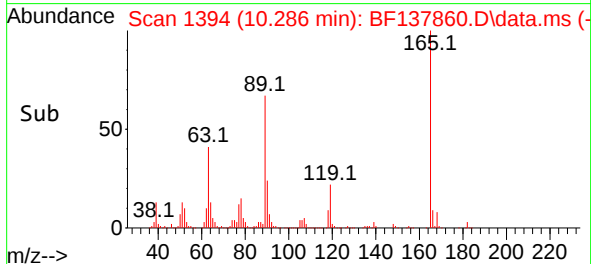
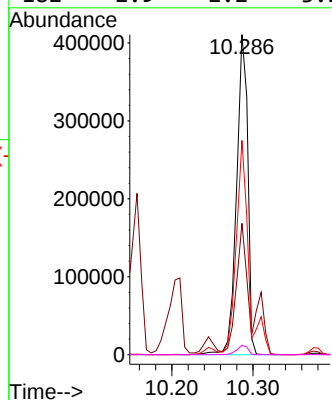
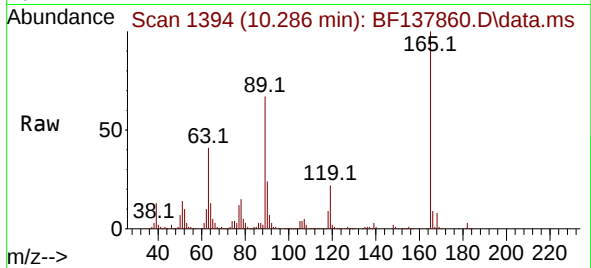




#57  
2,4-Dinitrotoluene  
Concen: 47.903 ng  
RT: 10.286 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

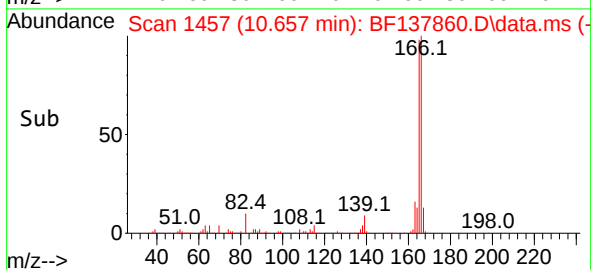
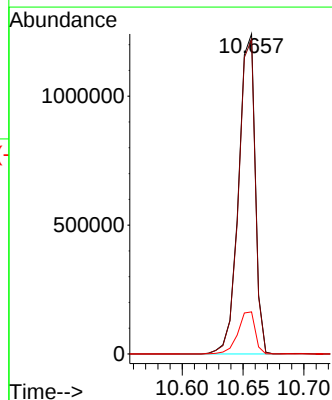
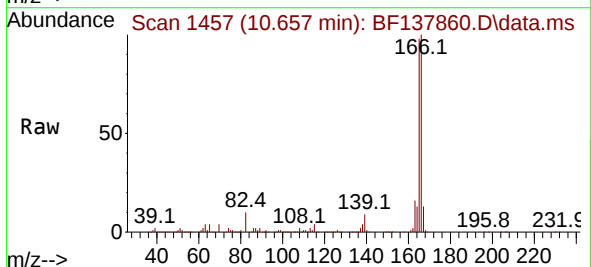
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

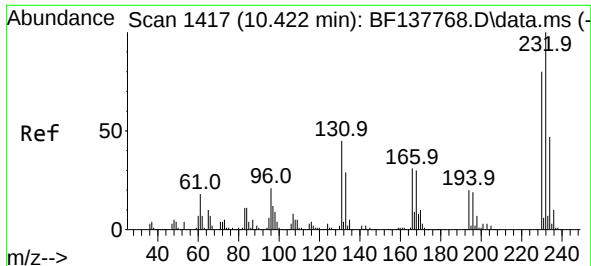
Tgt Ion:165 Resp: 391357  
Ion Ratio Lower Upper  
165 100  
63 41.0 31.3 46.9  
89 67.0 54.2 81.4  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 44.232 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:166 Resp: 1179694  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.2 117.2  
167 13.2 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 46.304 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

Tgt Ion:232 Resp: 324388

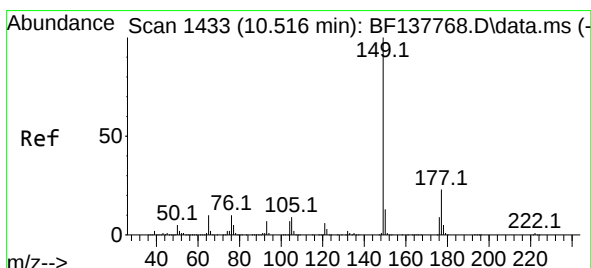
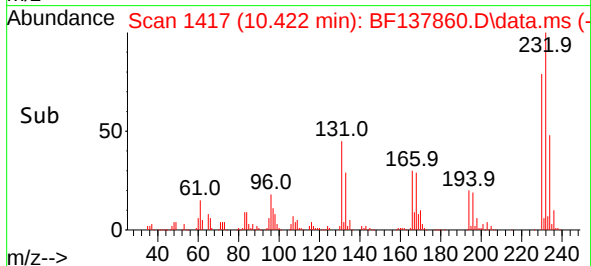
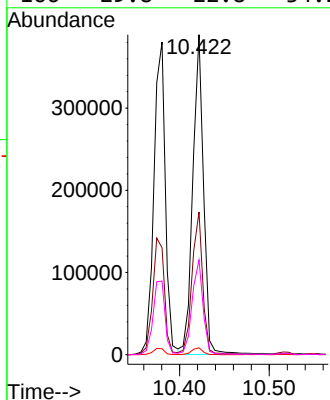
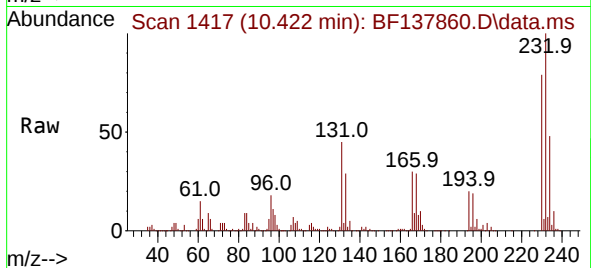
Ion Ratio Lower Upper

232 100

131 43.9 33.4 50.0

130 2.2 1.7 2.5

166 29.8 22.8 34.2



#60

Diethylphthalate

Concen: 47.476 ng

RT: 10.516 min Scan# 1433

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

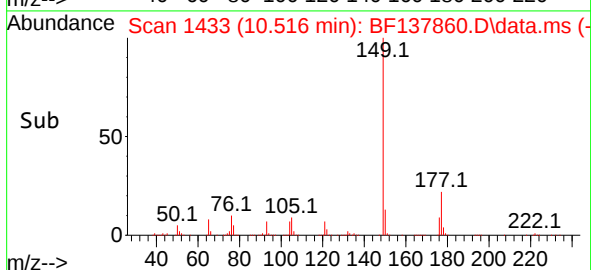
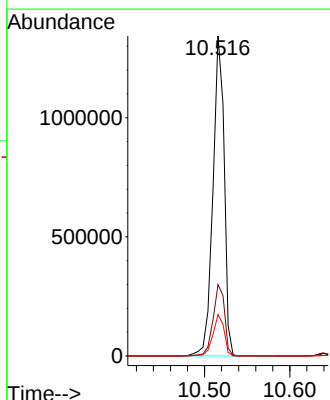
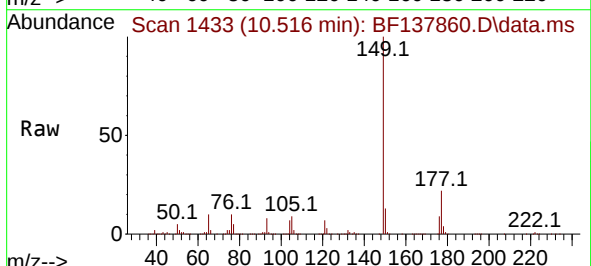
Tgt Ion:149 Resp: 1233826

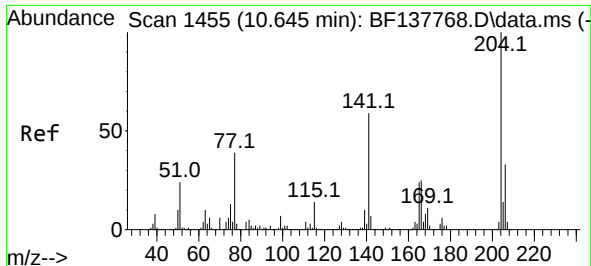
Ion Ratio Lower Upper

149 100

177 22.3 18.4 27.6

150 12.9 10.5 15.7

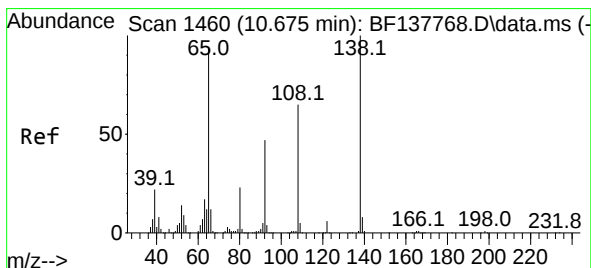
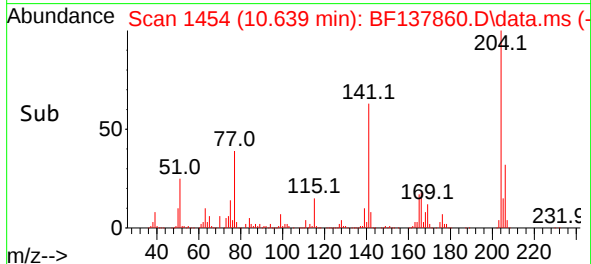
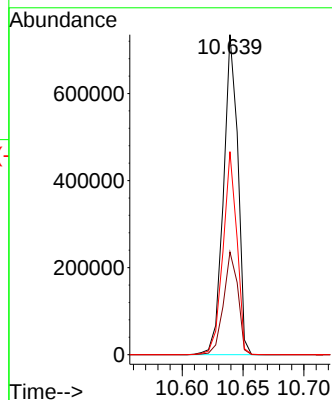
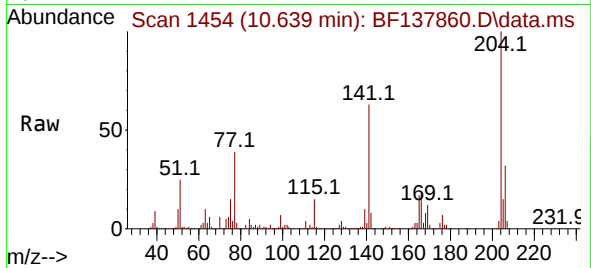




#61  
4-Chlorophenyl-phenylether  
Concen: 45.897 ng  
RT: 10.639 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

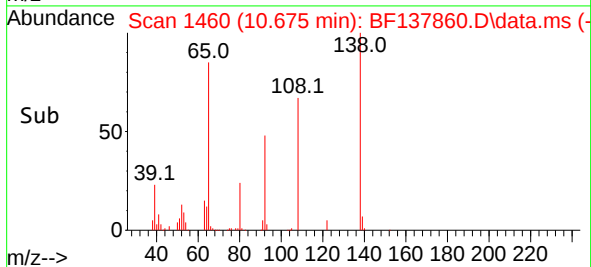
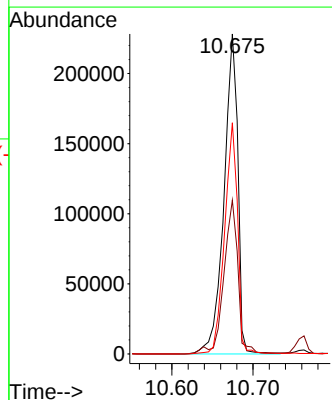
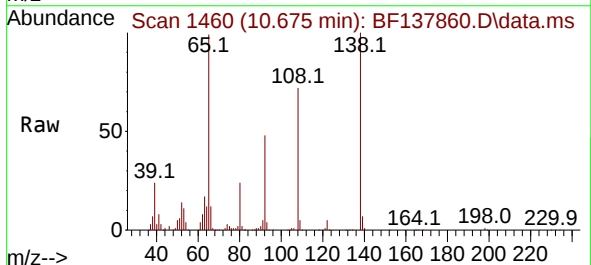
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

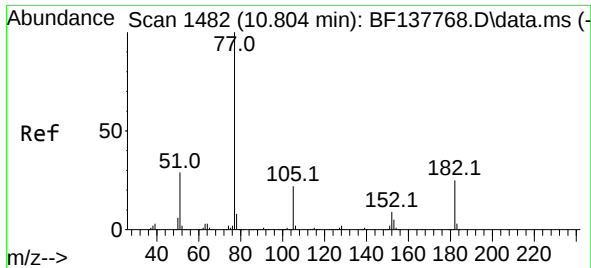
Tgt Ion:204 Resp: 603144  
Ion Ratio Lower Upper  
204 100  
206 32.1 26.4 39.6  
141 63.5 47.0 70.6



#62  
4-Nitroaniline  
Concen: 40.959 ng  
RT: 10.675 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:138 Resp: 272063  
Ion Ratio Lower Upper  
138 100  
92 48.0 26.8 66.8  
108 72.2 44.7 84.7



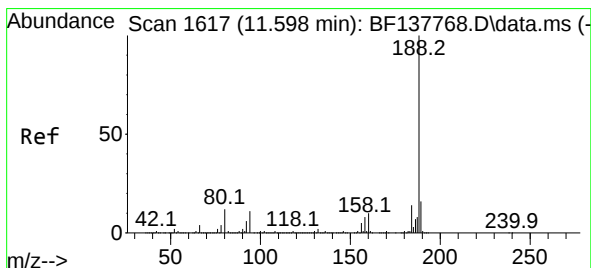
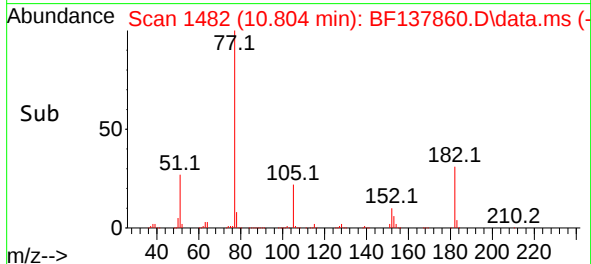
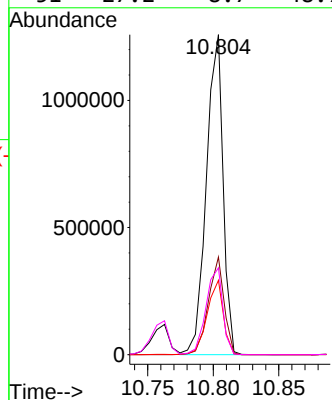
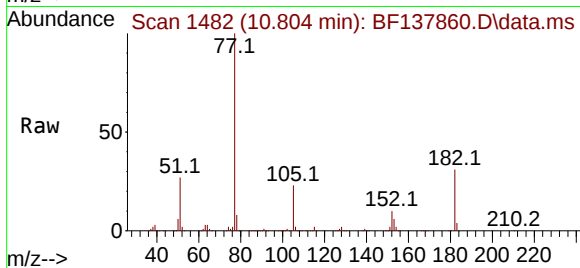


#63  
Azobenzene  
Concen: 44.493 ng  
RT: 10.804 min Scan# 1482  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

Tgt Ion: 77 Resp: 1117579

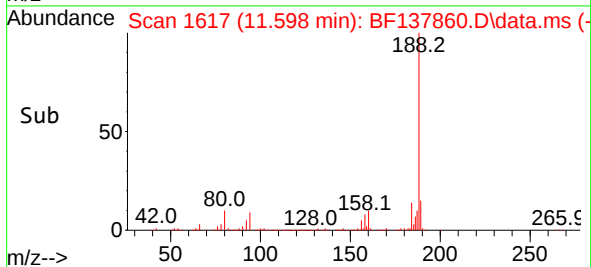
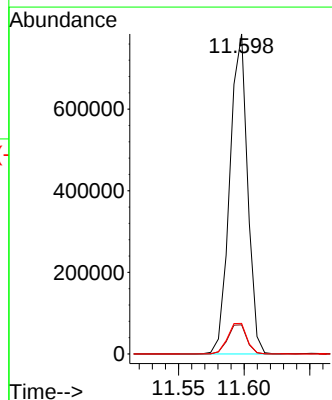
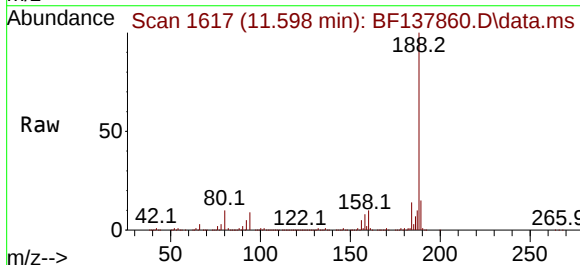
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 30.5  | 5.1   | 45.1  |
| 105 | 23.2  | 2.2   | 42.2  |
| 51  | 27.2  | 8.7   | 48.7  |

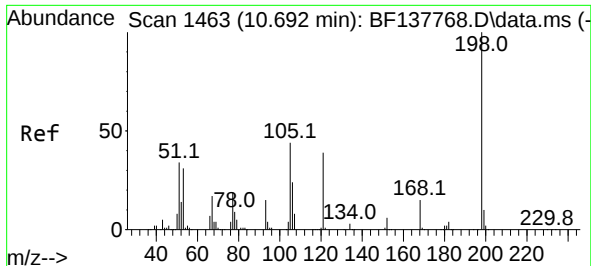


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.598 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion: 188 Resp: 740180

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.1   | 8.8   | 13.2  |
| 80  | 9.6   | 9.6   | 14.4  |

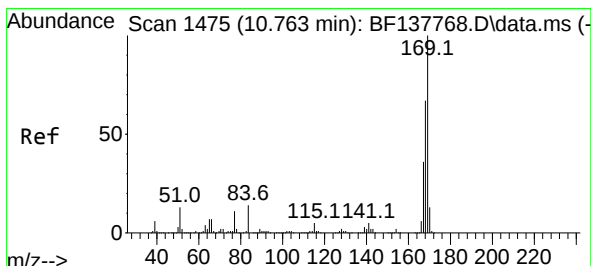
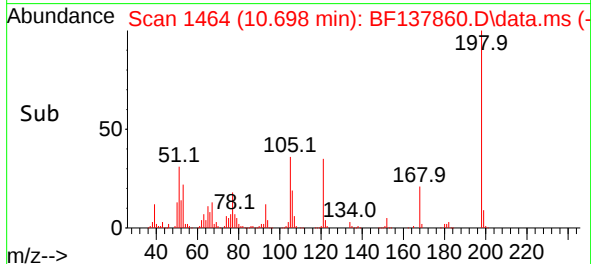
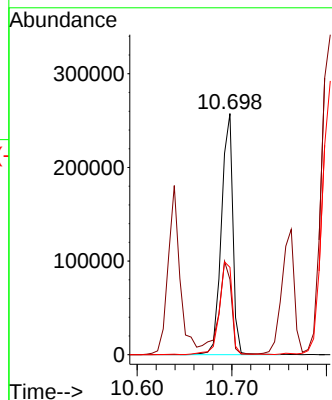
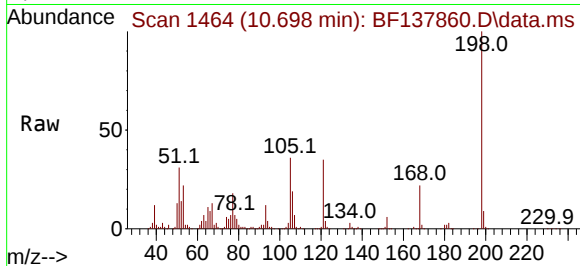




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.173 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

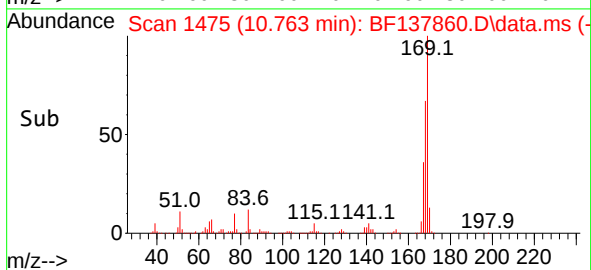
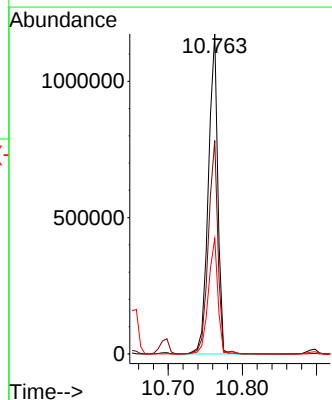
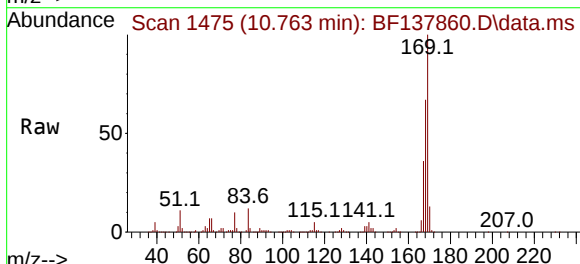
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

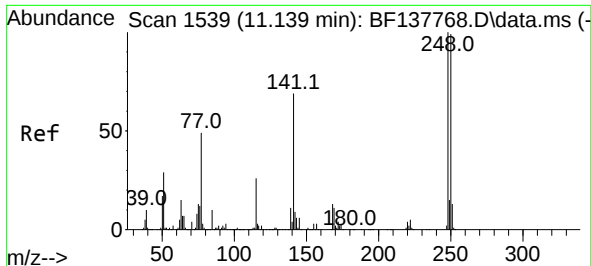
Tgt Ion:198 Resp: 217404  
Ion Ratio Lower Upper  
198 100  
51 31.2 25.1 65.1  
105 36.2 24.1 64.1



#66  
n-Nitrosodiphenylamine  
Concen: 47.097 ng  
RT: 10.763 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:169 Resp: 1043498  
Ion Ratio Lower Upper  
169 100  
168 66.7 53.3 79.9  
167 36.1 29.2 43.8

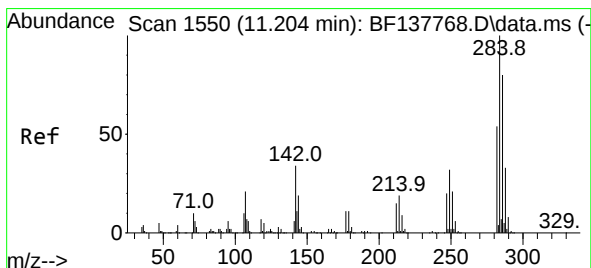
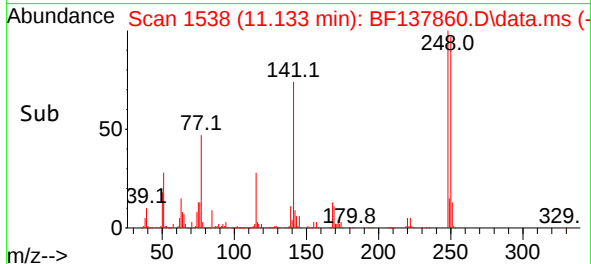
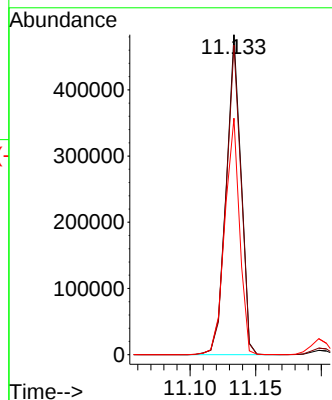
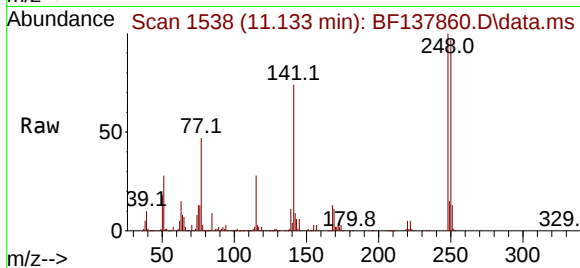




#67  
4-Bromophenyl-phenylether  
Concen: 47.763 ng  
RT: 11.133 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

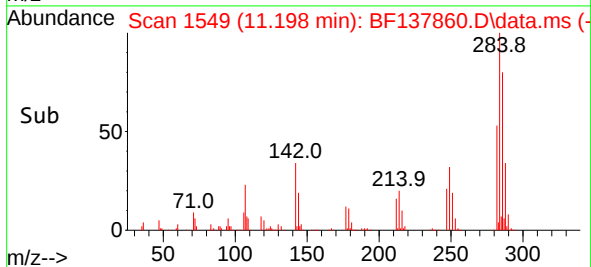
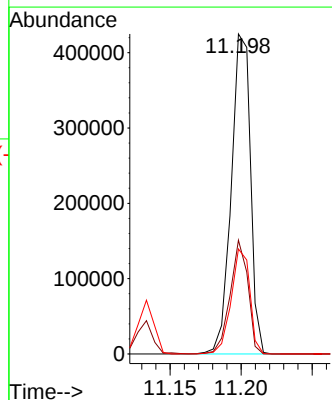
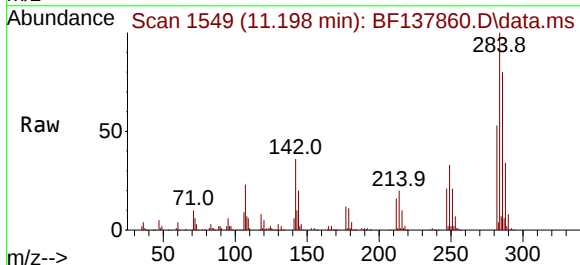
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

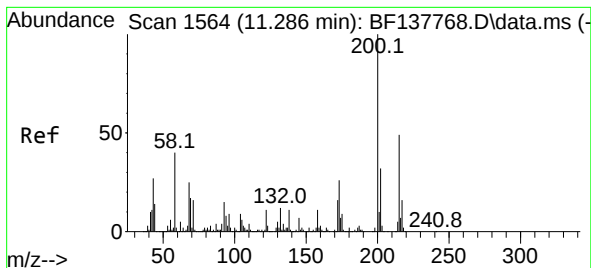
Tgt Ion:248 Resp: 378358  
Ion Ratio Lower Upper  
248 100  
250 96.7 79.1 118.7  
141 73.9 55.4 83.2



#68  
Hexachlorobenzene  
Concen: 46.146 ng  
RT: 11.198 min Scan# 1549  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:284 Resp: 399473  
Ion Ratio Lower Upper  
284 100  
142 35.6 27.3 40.9  
249 32.8 25.6 38.4





#69

Atrazine

Concen: 53.199 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

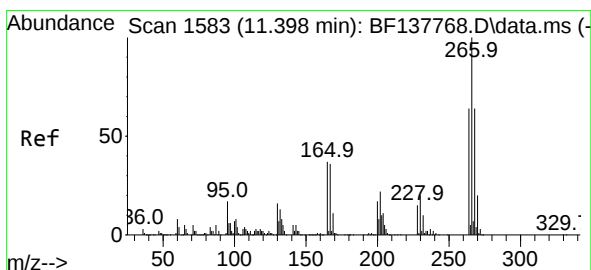
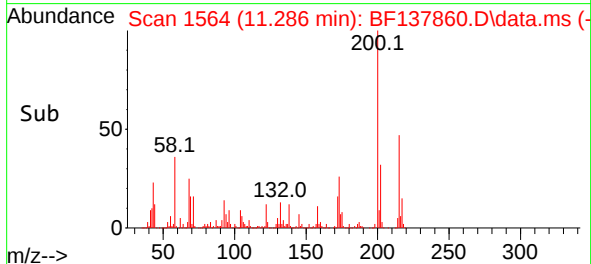
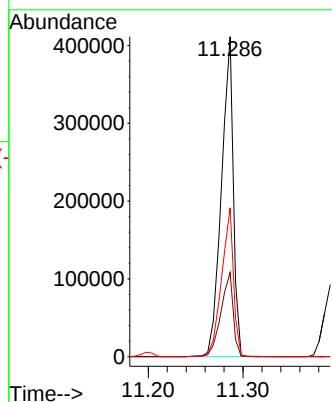
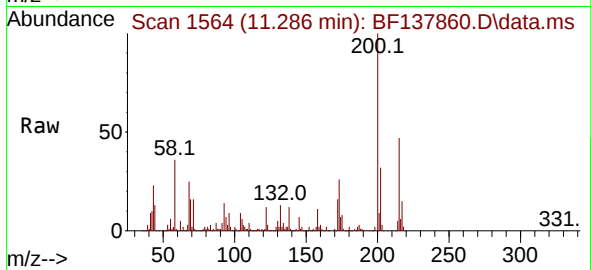
Tgt Ion:200 Resp: 359396

Ion Ratio Lower Upper

200 100

173 26.3 5.9 45.9

215 46.5 28.8 68.8



#70

Pentachlorophenol

Concen: 81.969 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

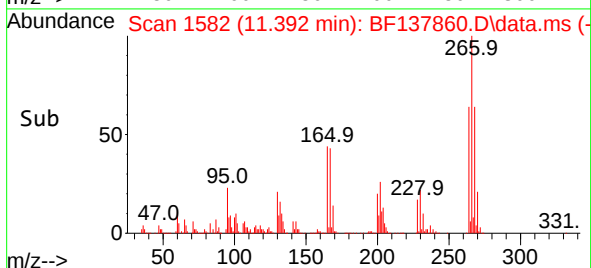
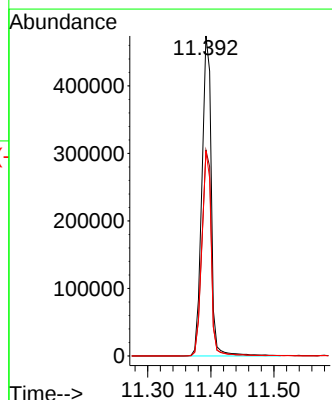
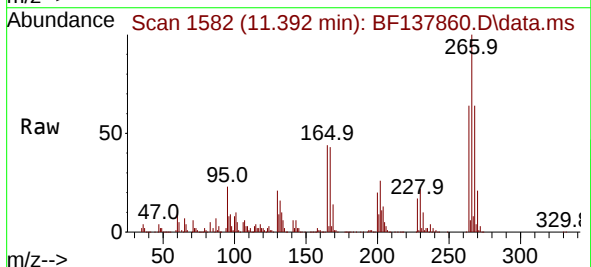
Tgt Ion:266 Resp: 487158

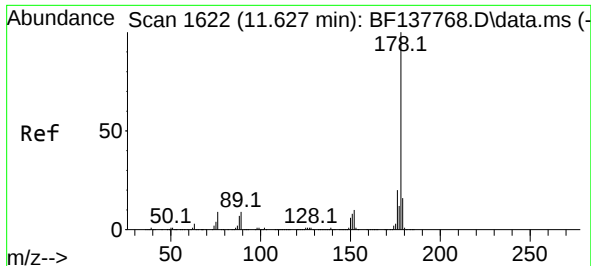
Ion Ratio Lower Upper

266 100

268 64.3 51.3 76.9

264 64.0 51.0 76.4

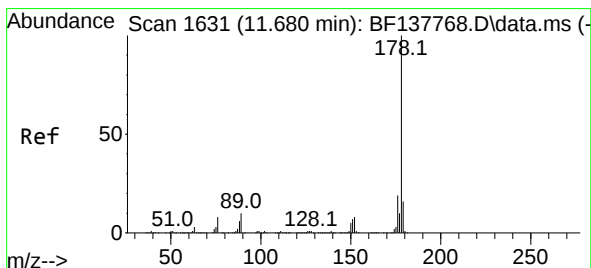
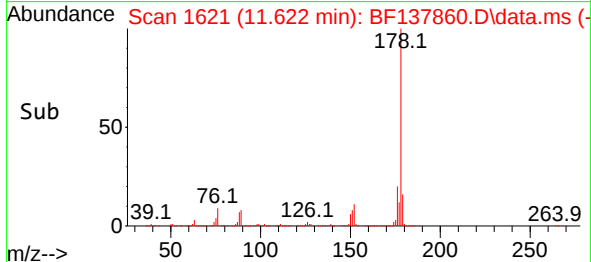
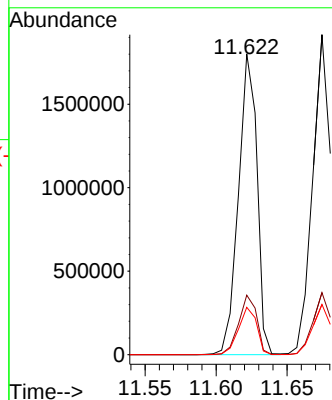
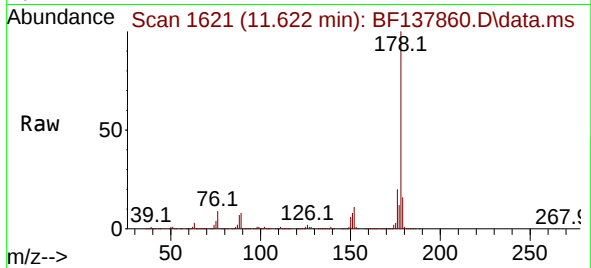




#71  
Phenanthrene  
Concen: 45.531 ng  
RT: 11.622 min Scan# 1622  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

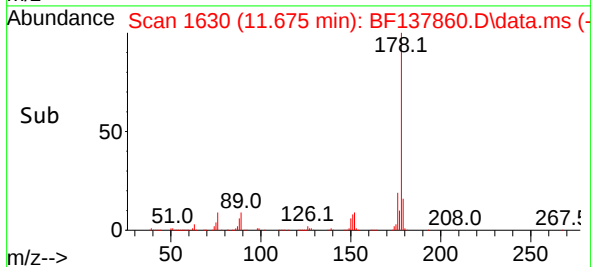
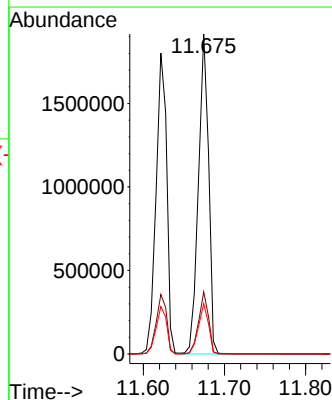
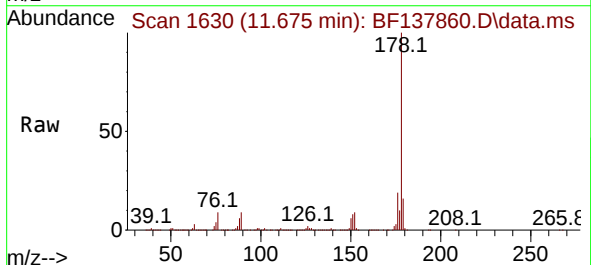
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

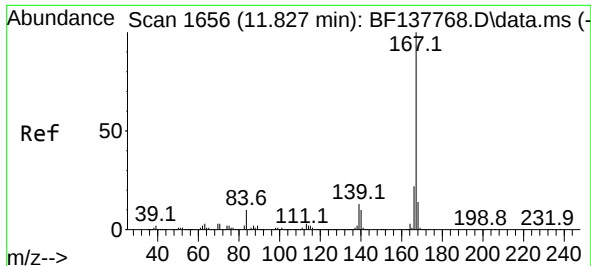
Tgt Ion:178 Resp: 1642640  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.8 23.6  
179 15.7 12.5 18.7



#72  
Anthracene  
Concen: 46.797 ng  
RT: 11.675 min Scan# 1630  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:178 Resp: 1679856  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.2 22.8  
179 15.7 12.6 18.8

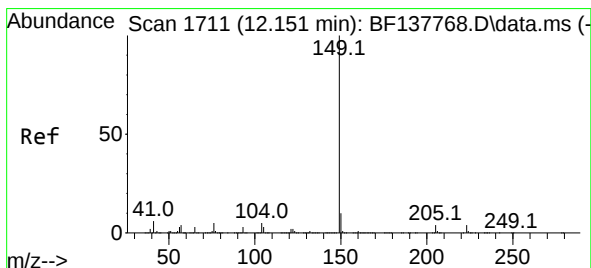
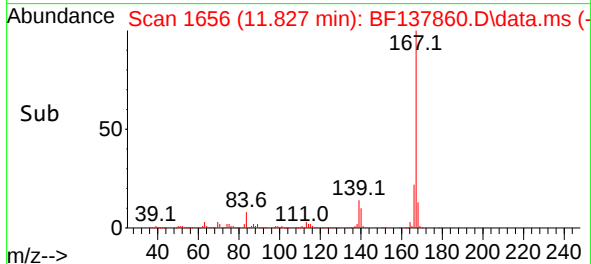
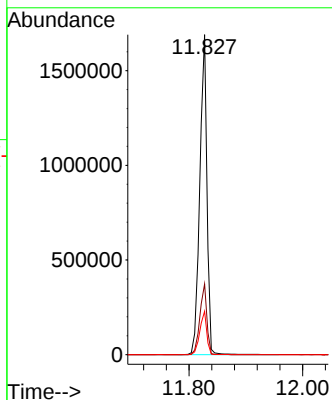
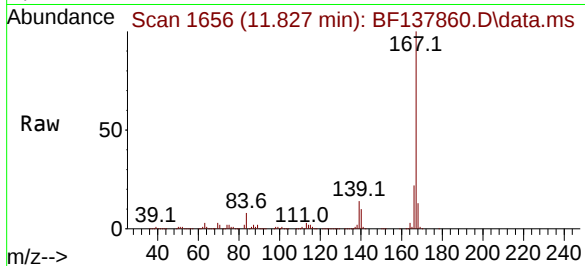




#73  
 Carbazole  
 Concen: 42.860 ng  
 RT: 11.827 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: BF137860.D  
 Acq: 09 May 2024 12:22

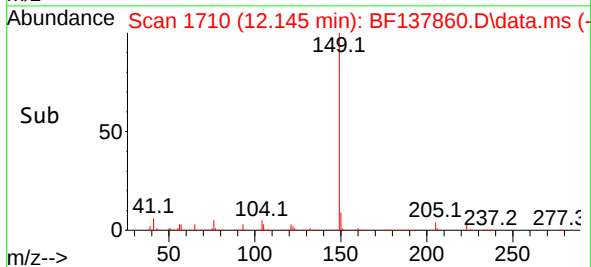
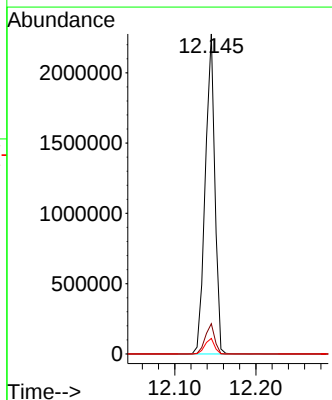
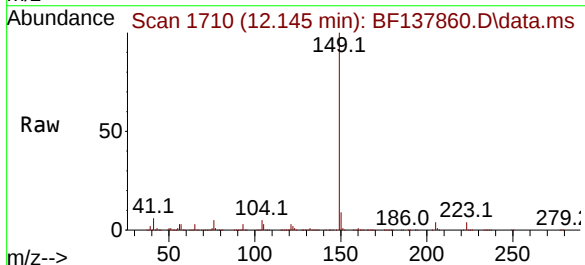
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB160643BS

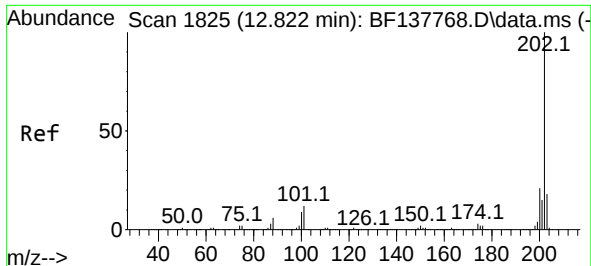
Tgt Ion:167 Resp: 1482775  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 17.6 26.4  
 139 13.5 10.5 15.7



#74  
 Di-n-butylphthalate  
 Concen: 49.195 ng  
 RT: 12.145 min Scan# 1710  
 Delta R.T. -0.006 min  
 Lab File: BF137860.D  
 Acq: 09 May 2024 12:22

Tgt Ion:149 Resp: 1856543  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.7 11.5  
 104 4.9 3.8 5.8

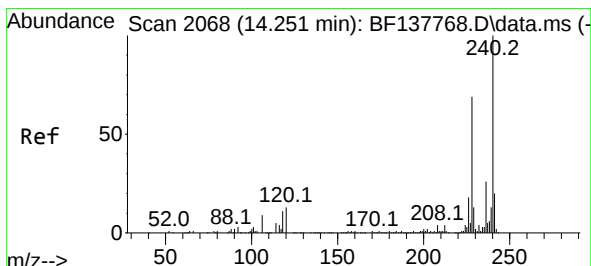
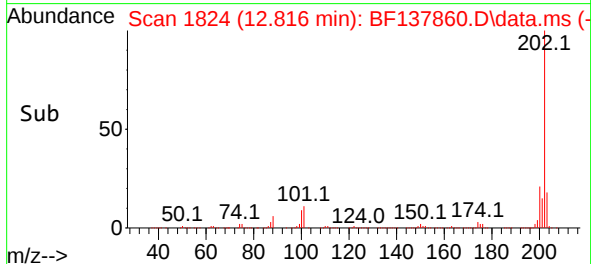
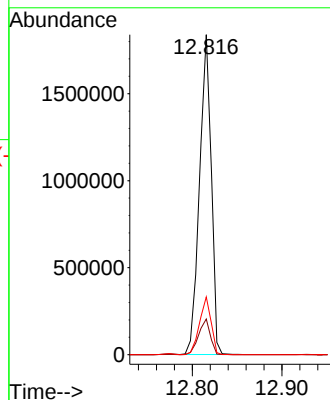
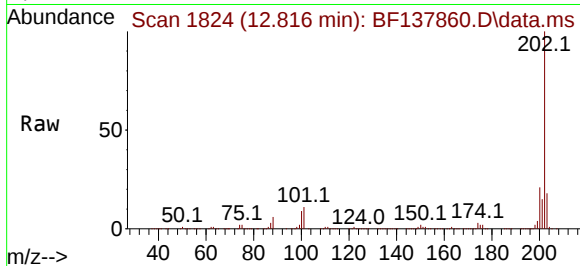




#75  
Fluoranthene  
Concen: 42.257 ng  
RT: 12.816 min Scan# 1824  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

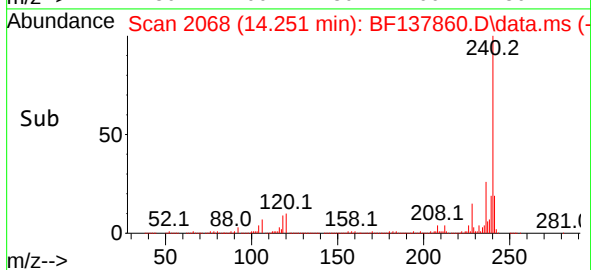
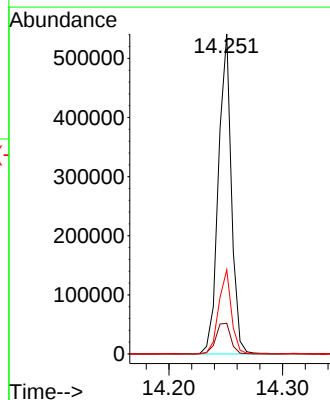
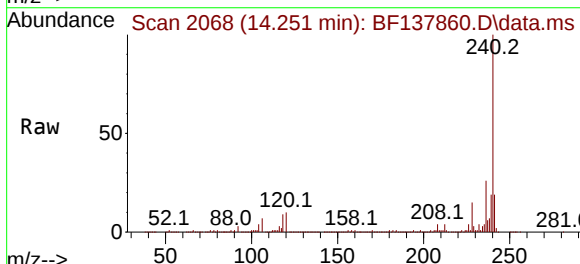
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

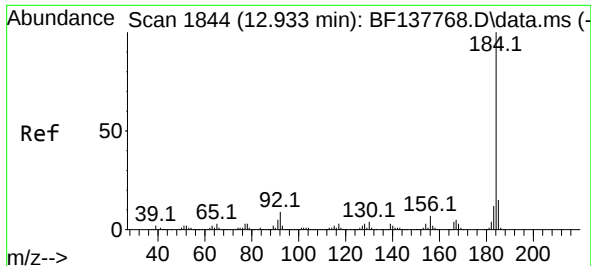
Tgt Ion:202 Resp: 1666499  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 31.8  
203 18.0 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.251 min Scan# 2068  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:240 Resp: 430130  
Ion Ratio Lower Upper  
240 100  
120 9.6 10.4 15.6#  
236 26.3 20.4 30.6

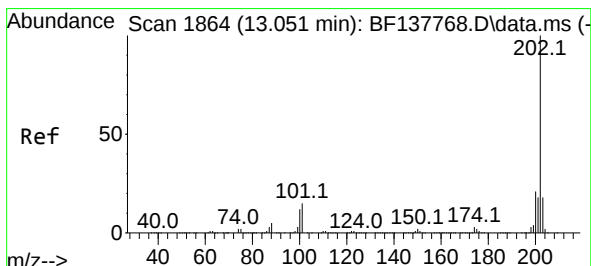
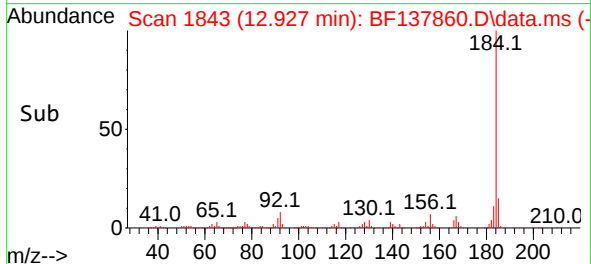
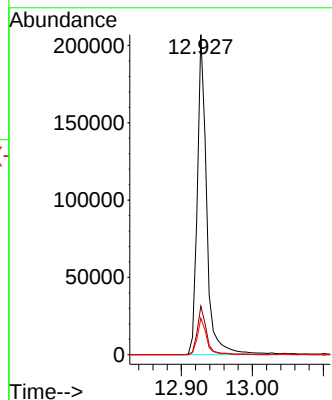
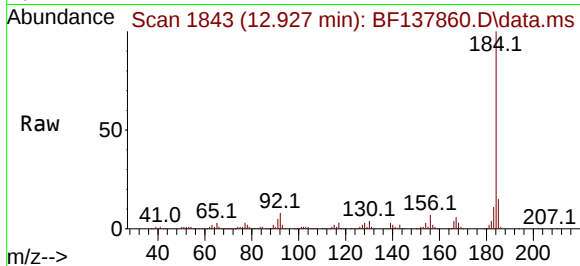




#77  
Benzidine  
Concen: 19.179 ng  
RT: 12.927 min Scan# 1843  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

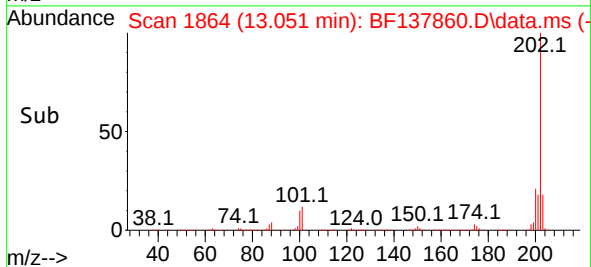
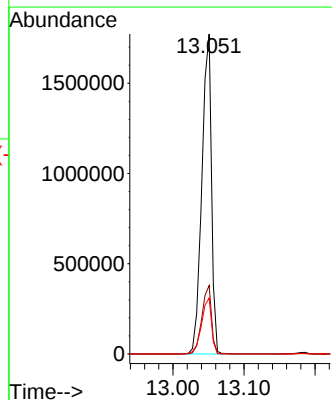
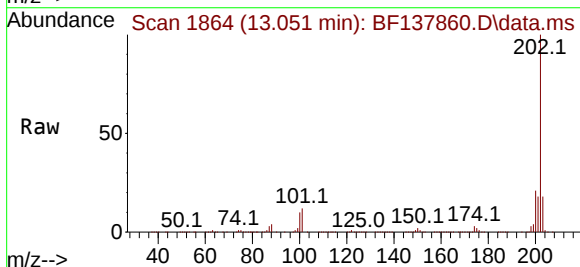
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

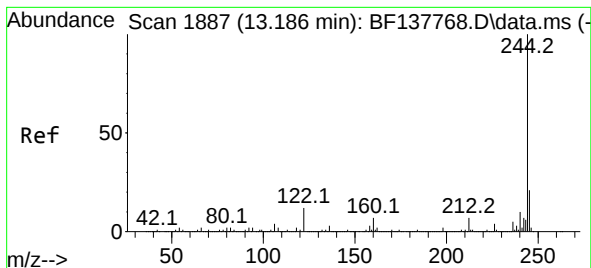
Tgt Ion:184 Resp: 190790  
Ion Ratio Lower Upper  
184 100  
185 15.1 12.3 18.5  
183 11.4 9.2 13.8



#78  
Pyrene  
Concen: 49.092 ng  
RT: 13.051 min Scan# 1864  
Delta R.T. 0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:202 Resp: 1674239  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.2 25.8  
203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 97.483 ng

RT: 13.186 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

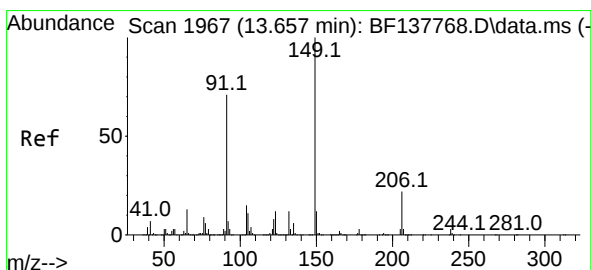
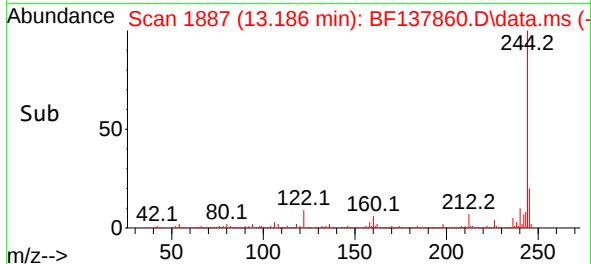
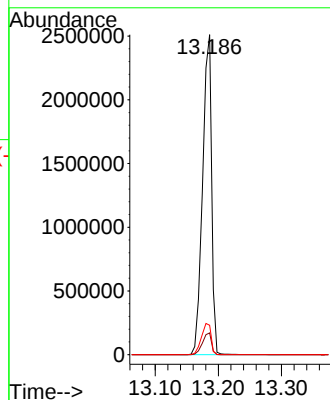
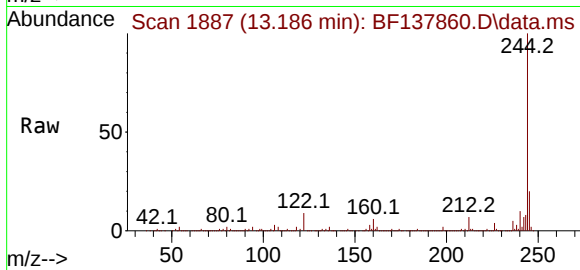
Tgt Ion:244 Resp: 2502028

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 9.2 9.4 14.2#



#80

Butylbenzylphthalate

Concen: 61.269 ng

RT: 13.651 min Scan# 1966

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

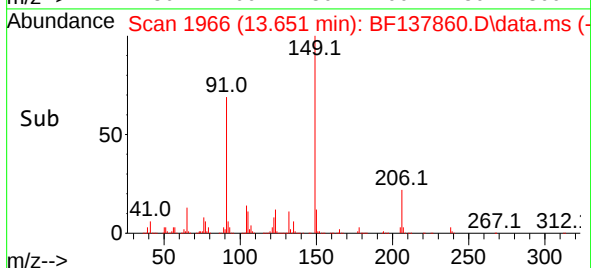
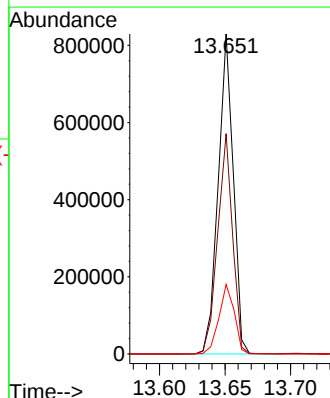
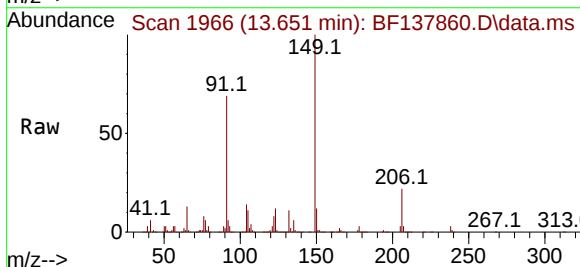
Tgt Ion:149 Resp: 662966

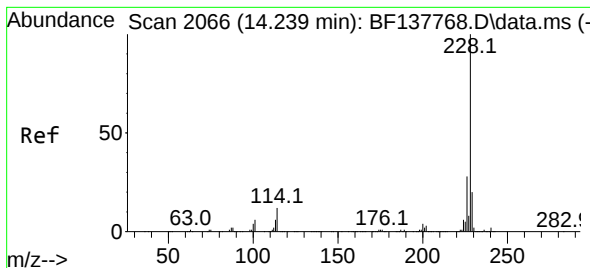
Ion Ratio Lower Upper

149 100

91 68.8 56.8 85.2

206 21.7 17.8 26.8





#81

Benzo(a)anthracene

Concen: 48.006 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

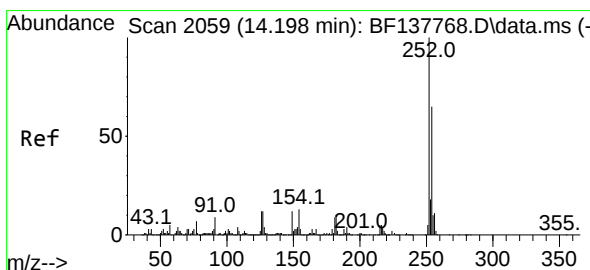
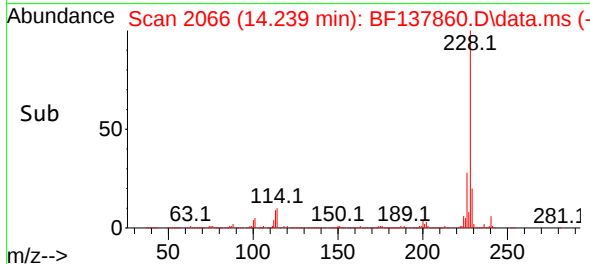
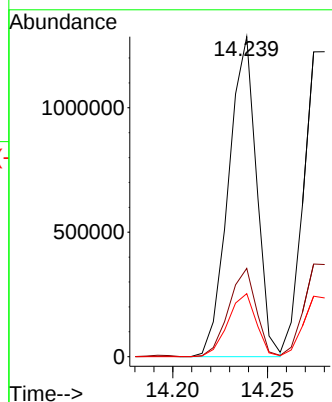
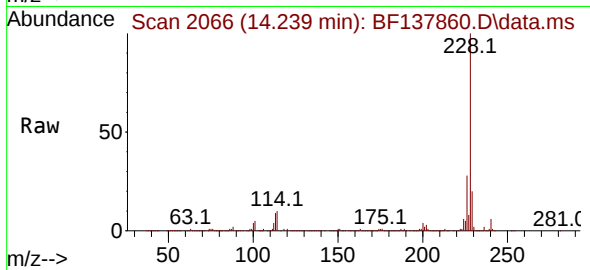
Tgt Ion:228 Resp: 1320674

Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.2

229 19.7 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 35.262 ng

RT: 14.192 min Scan# 2058

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

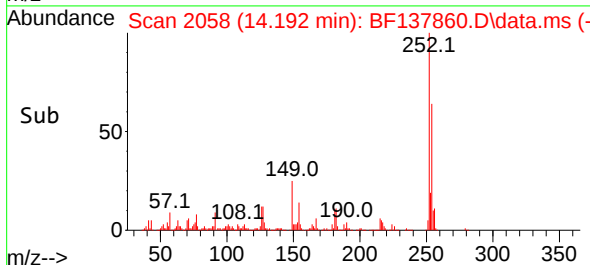
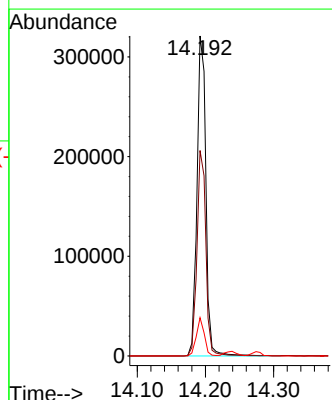
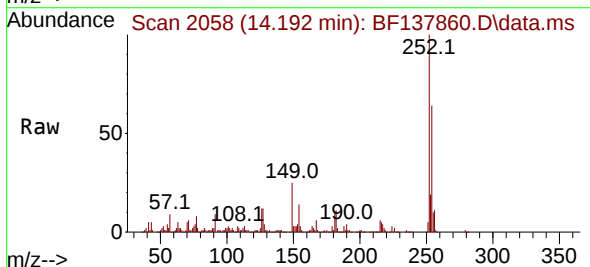
Tgt Ion:252 Resp: 290413

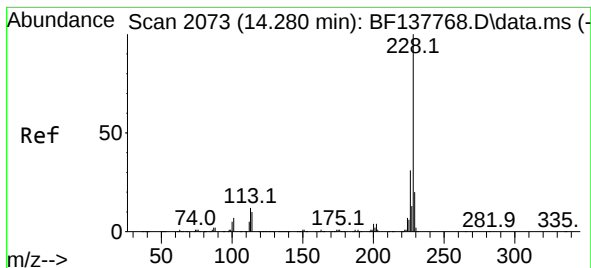
Ion Ratio Lower Upper

252 100

254 64.2 51.7 77.5

126 12.0 9.7 14.5





#83

Chrysene

Concen: 47.016 ng

RT: 14.280 min Scan# 2073

Delta R.T. 0.000 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

Instrument :

BNA\_F

ClientSampleId :

PB160643BS

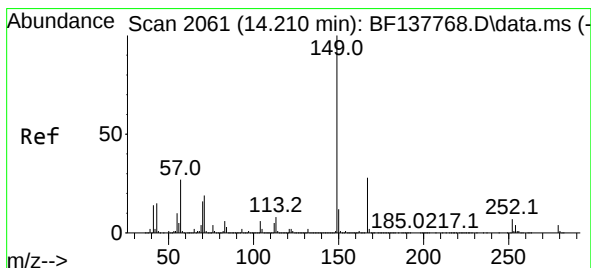
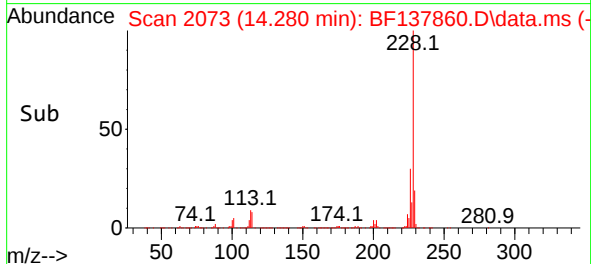
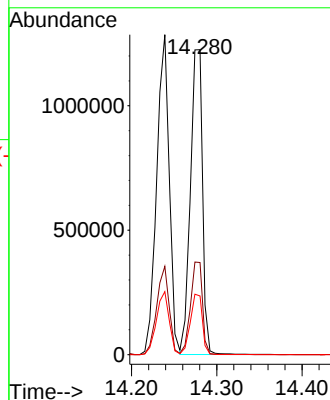
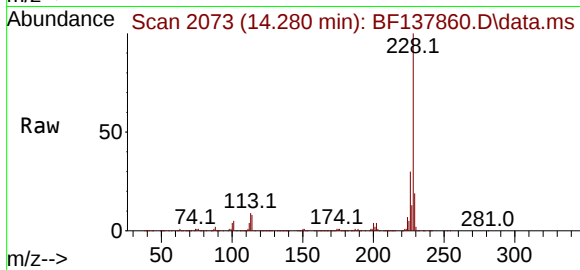
Tgt Ion:228 Resp: 1211084

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

229 19.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 65.333 ng

RT: 14.204 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BF137860.D

Acq: 09 May 2024 12:22

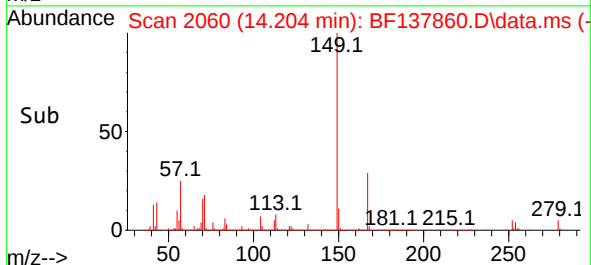
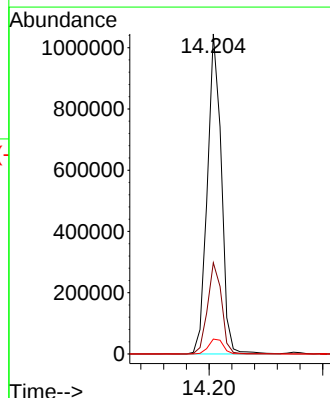
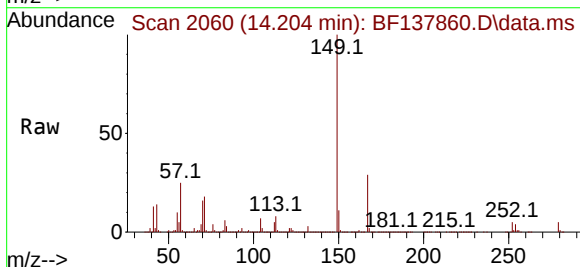
Tgt Ion:149 Resp: 890952

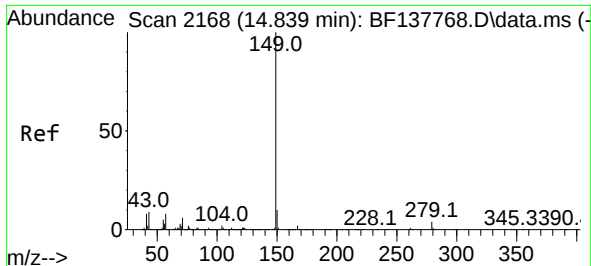
Ion Ratio Lower Upper

149 100

167 28.5 22.4 33.6

279 4.6 3.6 5.4

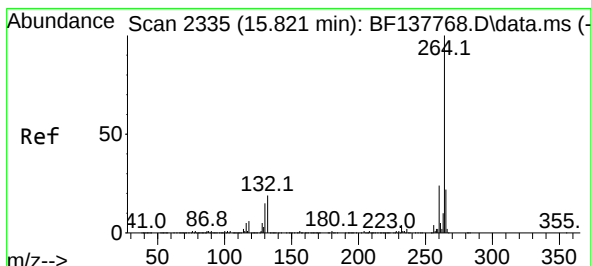
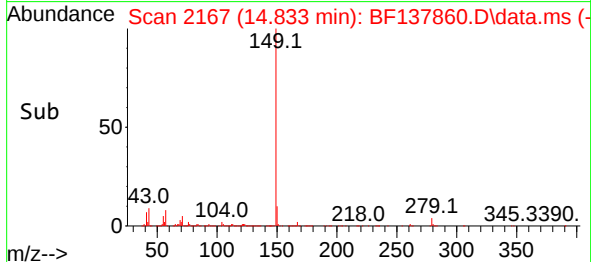
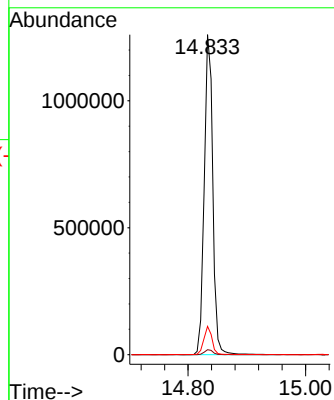
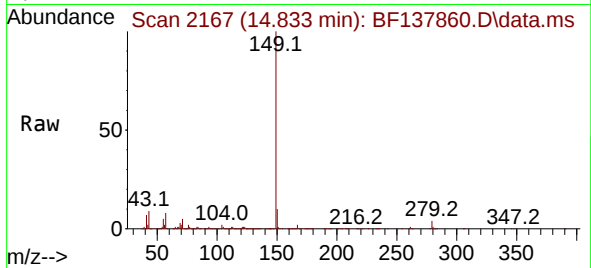




#85  
Di-n-octyl phthalate  
Concen: 68.839 ng  
RT: 14.833 min Scan# 2167  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

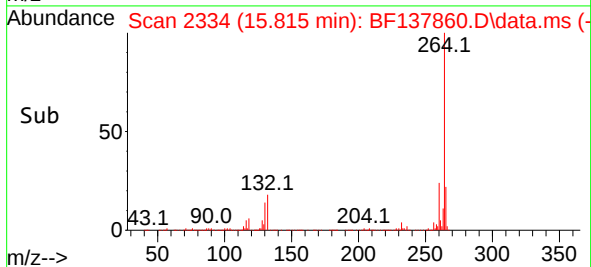
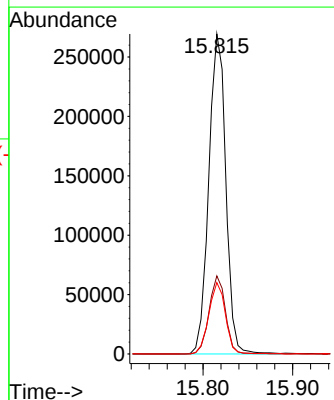
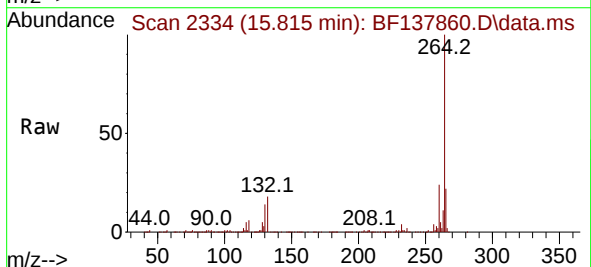
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

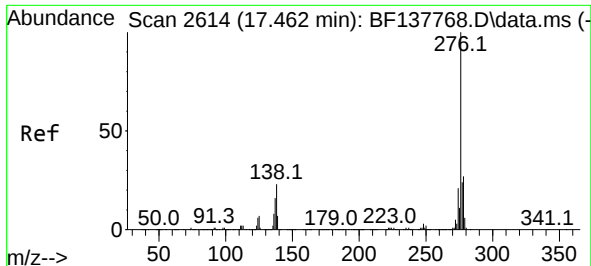
Tgt Ion:149 Resp: 1263392  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.5 7.5 11.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.815 min Scan# 2334  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:264 Resp: 354854  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.9 28.3  
265 22.3 17.4 26.0

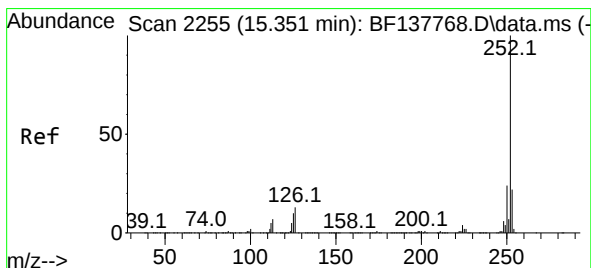
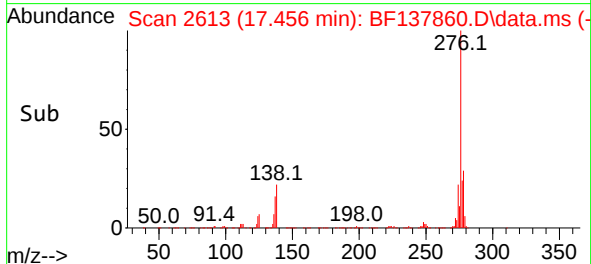
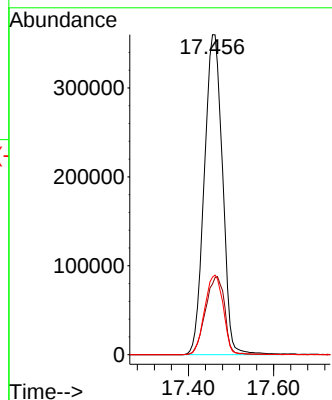
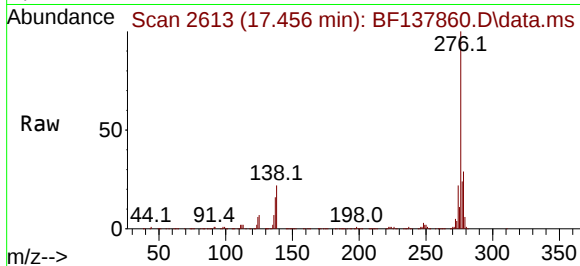




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 52.895 ng  
RT: 17.456 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

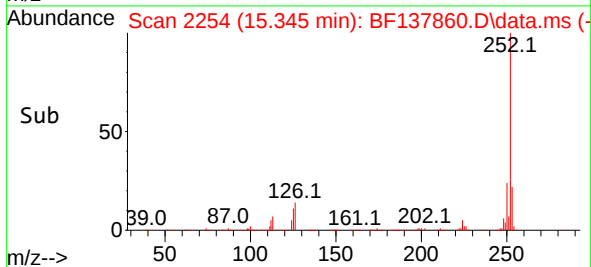
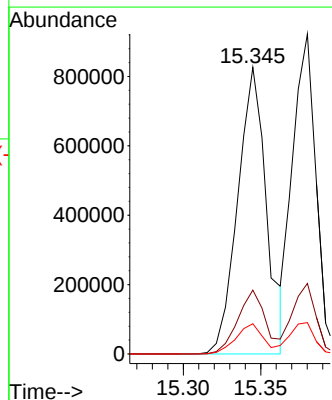
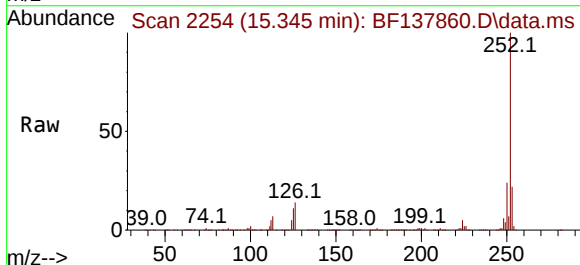
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

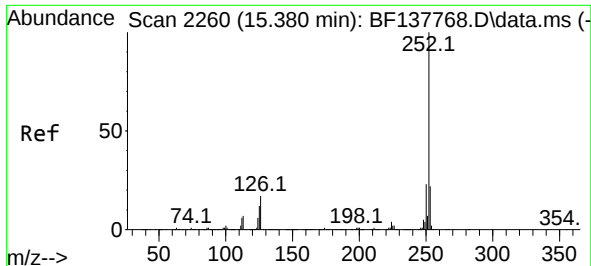
Tgt Ion:276 Resp: 1067130  
Ion Ratio Lower Upper  
276 100  
138 25.7 21.4 32.0  
277 25.5 20.1 30.1



#88  
Benzo(b)fluoranthene  
Concen: 48.286 ng  
RT: 15.345 min Scan# 2254  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:252 Resp: 1066055  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.5 26.3  
125 10.6 7.9 11.9

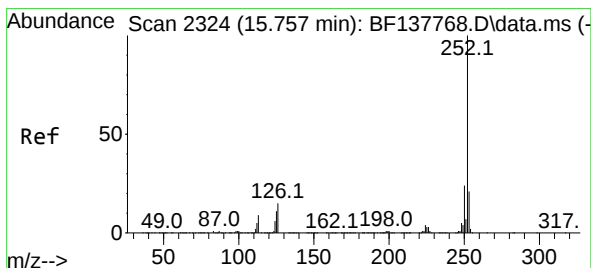
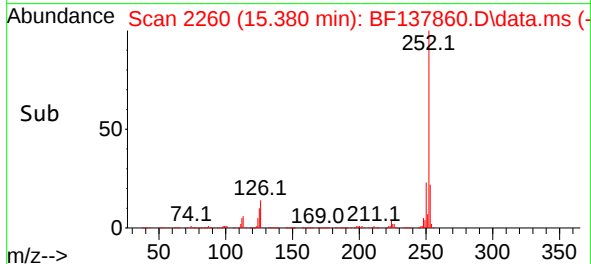
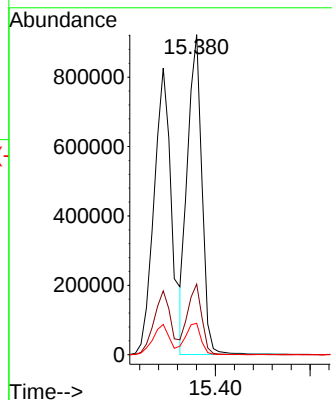
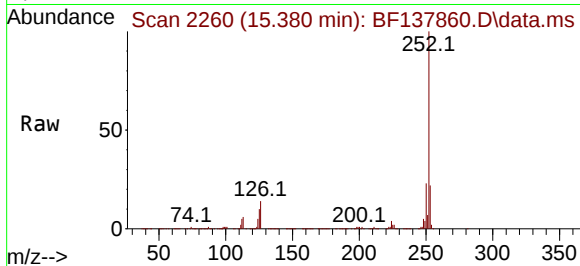




#89  
Benzo(k)fluoranthene  
Concen: 45.488 ng  
RT: 15.380 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

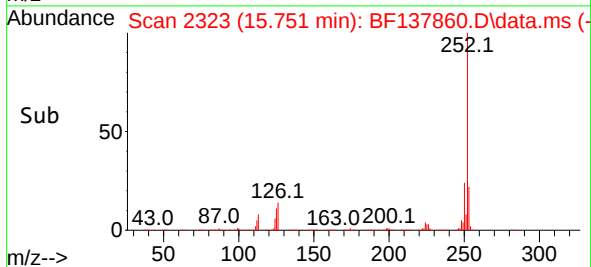
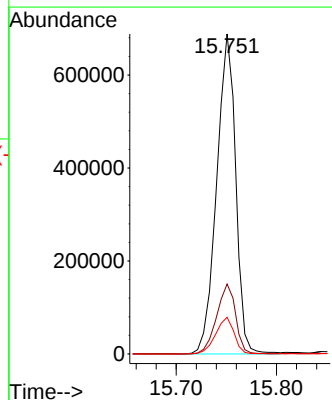
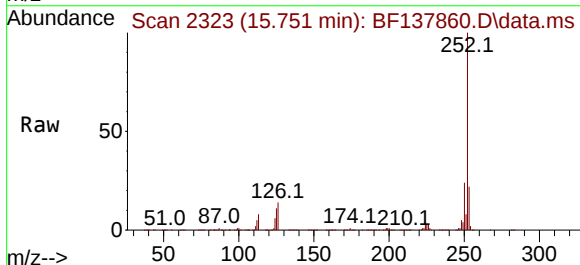
Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

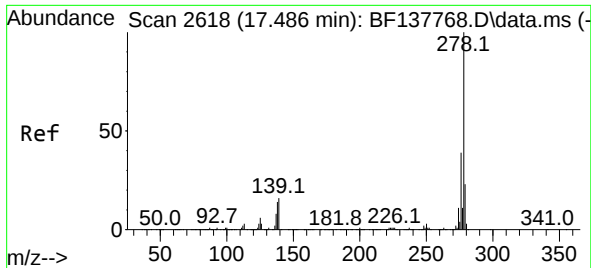
Tgt Ion:252 Resp: 970691  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 9.8 9.0 13.4



#90  
Benzo(a)pyrene  
Concen: 50.328 ng  
RT: 15.751 min Scan# 2323  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:252 Resp: 906506  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.1 25.7  
125 11.5 9.0 13.6

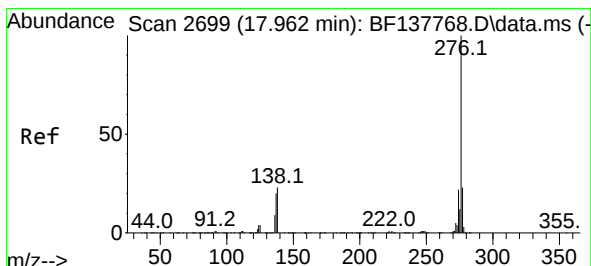
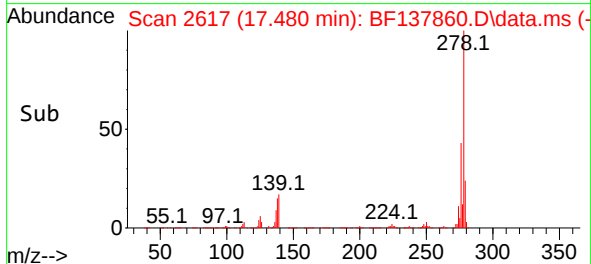
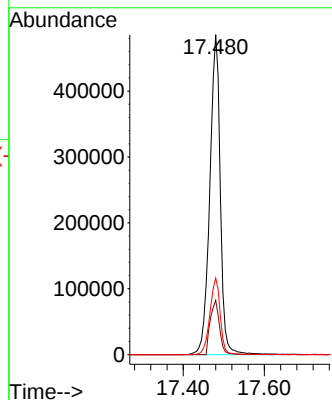
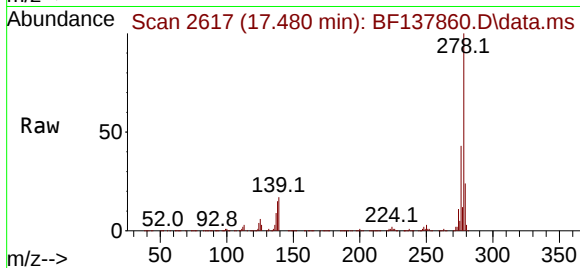




#91  
Dibenzo(a,h)anthracene  
Concen: 53.064 ng  
RT: 17.480 min Scan# 2618  
Delta R.T. -0.006 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Instrument :  
BNA\_F  
ClientSampleId :  
PB160643BS

Tgt Ion:278 Resp: 871386  
Ion Ratio Lower Upper  
278 100  
139 17.0 13.0 19.6  
279 24.0 18.7 28.1



#92  
Benzo(g,h,i)perylene  
Concen: 47.927 ng  
RT: 17.962 min Scan# 2699  
Delta R.T. -0.000 min  
Lab File: BF137860.D  
Acq: 09 May 2024 12:22

Tgt Ion:276 Resp: 825057  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.0 27.0  
138 21.3 18.1 27.1

