

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071524\  
 Data File : BF138572.D  
 Acq On : 15 Jul 2024 17:11  
 Operator : CG\JU  
 Sample : P3115-17MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20071MSD

Quant Time: Jul 15 17:42:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 89714    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 364454   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 209646   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 350653   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 174506   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 188279   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 774917   | 136.799 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 987055   | 130.985 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 733319   | 98.790  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 296854   | 151.506 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1315163  | 98.045  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1142395  | 106.649 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.863  | 88   | 110316   | 43.971  | ng    | # 80     |
| 3) Pyridine                   | 3.569  | 79   | 252536   | 40.817  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.505  | 42   | 214925   | 53.363  | ng    | 92       |
| 6) Aniline                    | 6.534  | 93   | 201853   | 28.598  | ng    | # 69     |
| 8) 2-Chlorophenol             | 6.657  | 128  | 340196   | 56.796  | ng    | 97       |
| 9) Benzaldehyde               | 6.422  | 77   | 20310    | 5.035   | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 397751   | 49.727  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 338038   | 56.132  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 338150   | 50.224  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 344848   | 50.438  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 326765   | 51.315  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 329761   | 58.310  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140  | 45   | 620632   | 52.406  | ng    | 92       |
| 17) 2-Methylphenol            | 7.128  | 107  | 268457   | 54.687  | ng    | 96       |
| 18) Hexachloroethane          | 7.375  | 117  | 124672   | 49.602  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 258984   | 55.620  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 340687   | 55.113  | ng    | 90       |
| 22) Acetophenone              | 7.281  | 105  | 446361   | 50.427  | ng    | 99       |
| 24) Nitrobenzene              | 7.451  | 77   | 393633   | 52.182  | ng    | 99       |
| 25) Isophorone                | 7.692  | 82   | 724744   | 56.853  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 187790   | 58.083  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 248717   | 62.591  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 422640   | 55.476  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 296209   | 57.403  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.087  | 180  | 304905   | 50.722  | ng    | 98       |
| 31) Naphthalene               | 8.169  | 128  | 1000196  | 52.768  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 203884   | 53.795  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.216  | 127  | 89786    | 13.501  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.281  | 225  | 177407   | 47.926  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 80745    | 48.492  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 336245   | 58.204  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 665021   | 54.520  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 617078   | 51.836  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 290847   | 49.777  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 272942   | 143.917 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 212490   | 57.012  | ng    | 99       |

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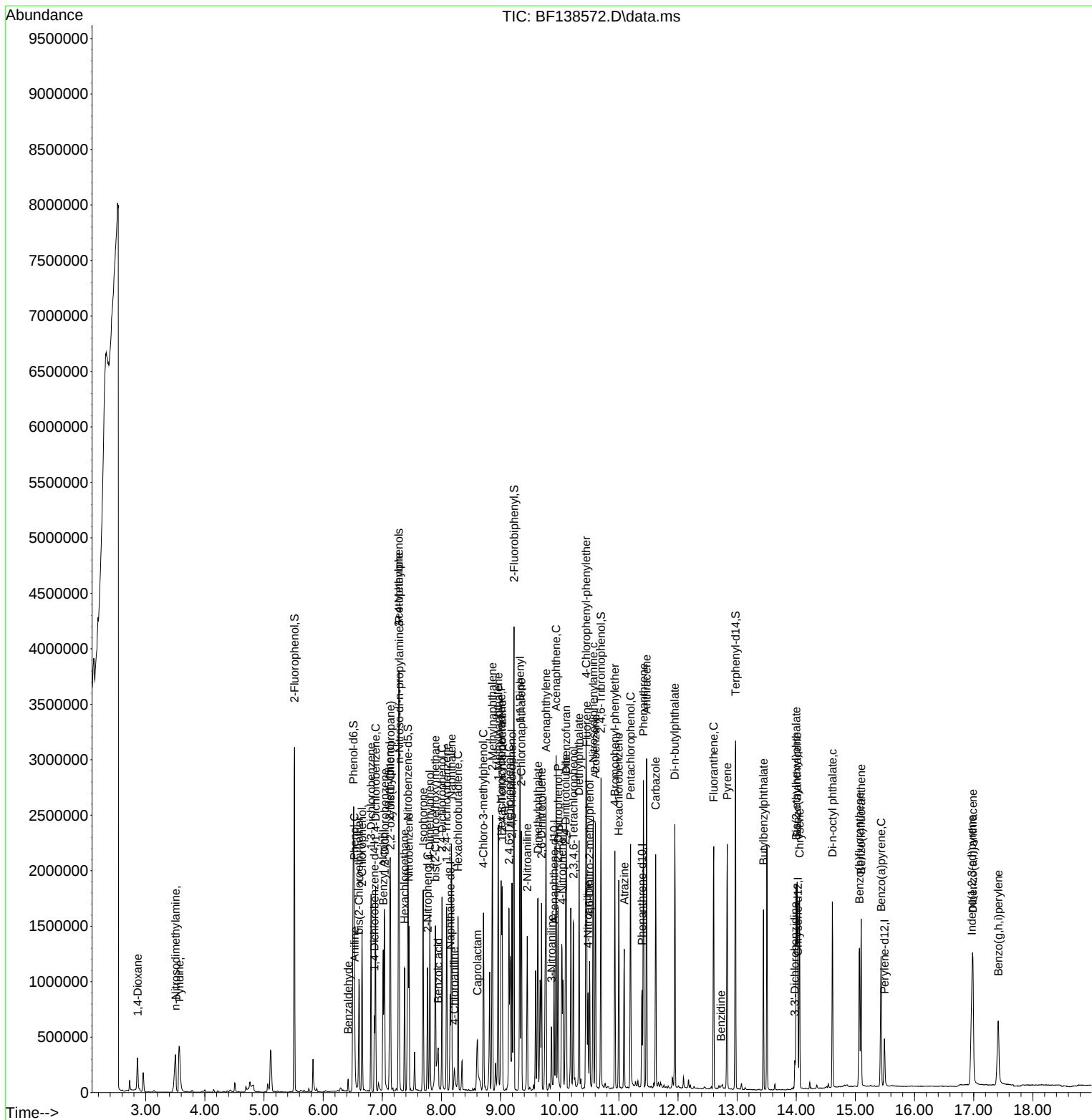
Instrument :  
 BNA\_F  
 ClientSampleId :  
 20071MSD

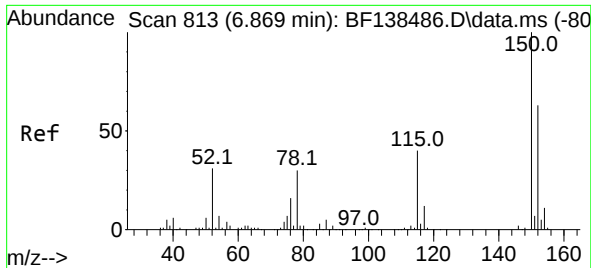
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 231569   | 56.489  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 801776   | 50.465  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 638889   | 53.229  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 243247   | 58.483  | ng    | 95       |
| 49) Acenaphthylene            | 9.769  | 152  | 1016775  | 59.667  | ng    | 99       |
| 50) Dimethylphthalate         | 9.634  | 163  | 802081   | 59.167  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 176203   | 56.453  | ng    | 88       |
| 52) Acenaphthene              | 9.939  | 154  | 617413   | 54.506  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 84041    | 26.270  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 194919   | 114.238 | ng    | 93       |
| 55) Dibenzofuran              | 10.110 | 168  | 919865   | 55.987  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 217619   | 92.193  | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 230570   | 57.093  | ng    | 99       |
| 58) Fluorene                  | 10.457 | 166  | 718164   | 55.242  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 195992   | 60.580  | ng    | 99       |
| 60) Diethylphthalate          | 10.328 | 149  | 769165   | 58.856  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 359463   | 55.064  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 142250   | 44.374  | ng    | 99       |
| 63) Azobenzene                | 10.604 | 77   | 794372   | 56.537  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 135887   | 67.115  | ng    | # 74     |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 623348   | 59.334  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 213490   | 59.236  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 235160   | 58.734  | ng    | 98       |
| 69) Atrazine                  | 11.092 | 200  | 138982   | 39.901  | ng    | 98       |
| 70) Pentachlorophenol         | 11.198 | 266  | 258193   | 108.980 | ng    | 98       |
| 71) Phenanthrene              | 11.416 | 178  | 1007789  | 56.888  | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 1025585  | 58.321  | ng    | 99       |
| 73) Carbazole                 | 11.622 | 167  | 799748   | 50.606  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.945 | 149  | 1055718  | 57.955  | ng    | 99       |
| 75) Fluoranthene              | 12.604 | 202  | 896046   | 49.569  | ng    | 99       |
| 77) Benzidine                 | 12.727 | 184  | 18993    | 4.314   | ng    | # 92     |
| 78) Pyrene                    | 12.833 | 202  | 881651   | 49.769  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 322761   | 60.568  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.016 | 228  | 672877   | 57.465  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 56373    | 18.684  | ng    | # 98     |
| 83) Chrysene                  | 14.057 | 228  | 639776   | 57.757  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149  | 405938   | 71.425  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.610 | 149  | 703931   | 78.403  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 738486   | 58.393  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 638310   | 60.199  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 614017   | 59.375  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 569248   | 61.114  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 607957   | 58.767  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 534717   | 48.744  | ng    | # 95     |

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

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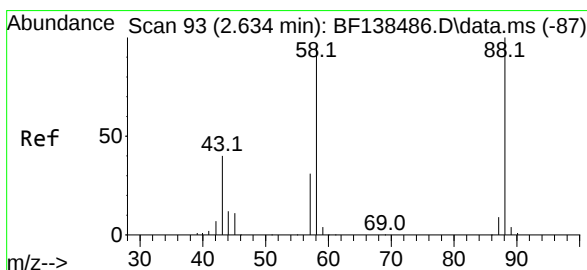
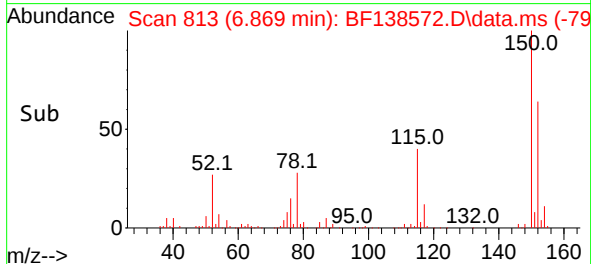
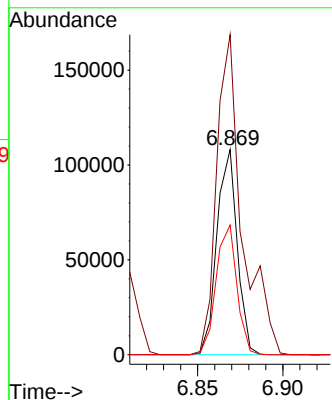
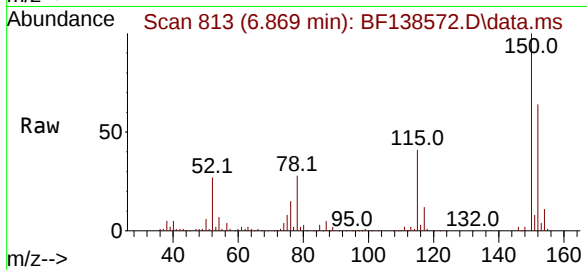




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.869 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

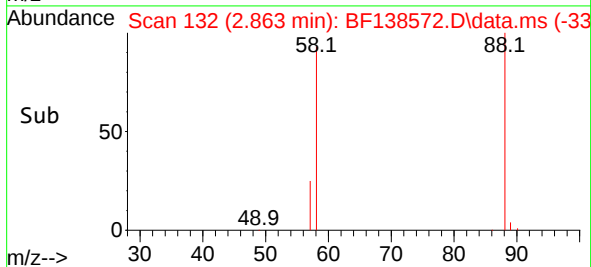
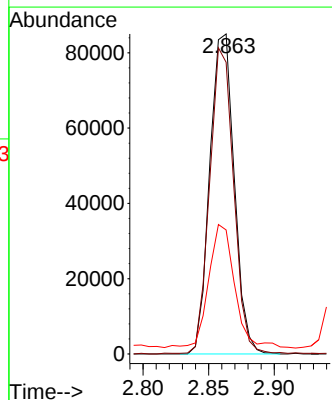
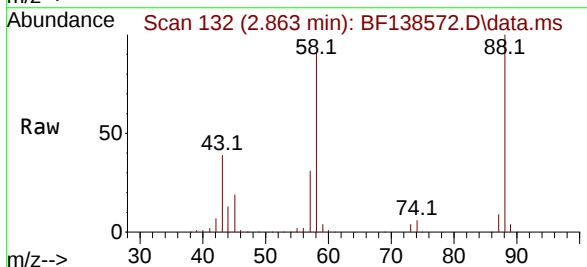
Instrument :  
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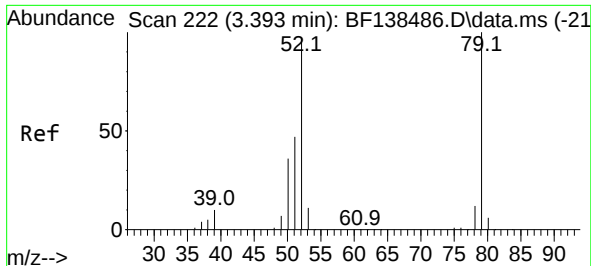
Tgt Ion:152 Resp: 89714  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 126.2 189.4  
 115 63.2 50.3 75.5



#2  
 1,4-Dioxane  
 Concen: 43.971 ng  
 RT: 2.863 min Scan# 132  
 Delta R.T. 0.230 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

Tgt Ion: 88 Resp: 110316  
 Ion Ratio Lower Upper  
 88 100  
 58 94.2 74.6 112.0  
 43 0.0 31.8 47.6#





#3

Pyridine

Concen: 40.817 ng

RT: 3.569 min Scan# 21

Delta R.T. 0.177 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

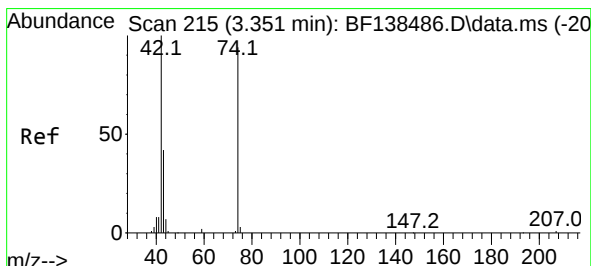
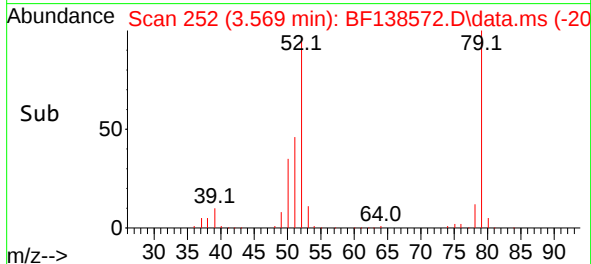
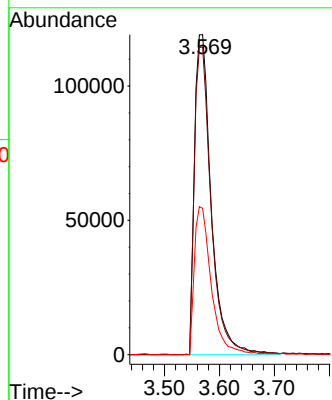
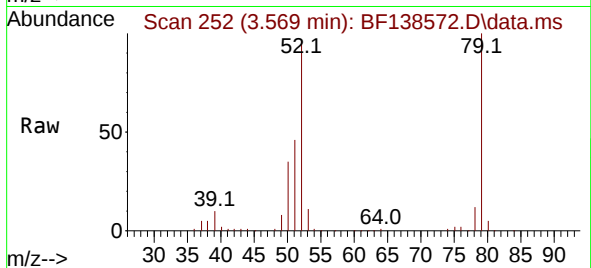
Tgt Ion: 79 Resp: 252536

Ion Ratio Lower Upper

79 100

52 96.2 77.4 116.2

51 45.8 37.4 56.0



#4

n-Nitrosodimethylamine

Concen: 53.363 ng

RT: 3.505 min Scan# 241

Delta R.T. 0.153 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

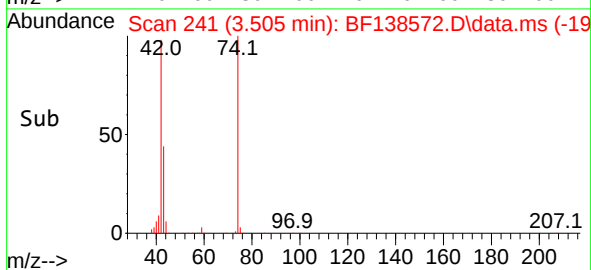
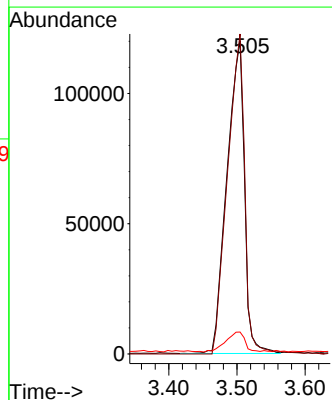
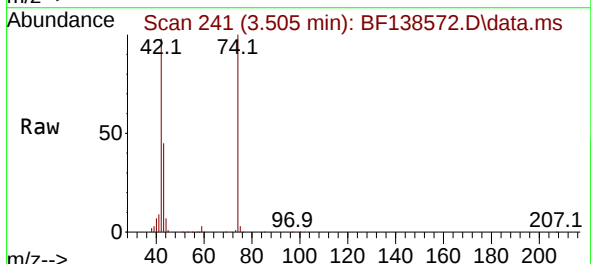
Tgt Ion: 42 Resp: 214925

Ion Ratio Lower Upper

42 100

74 102.2 75.0 112.6

44 7.0 5.4 8.2

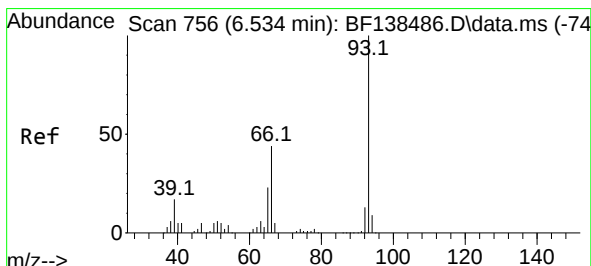
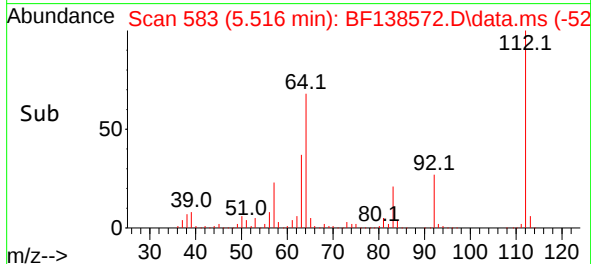
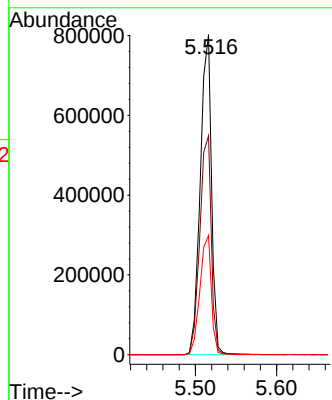
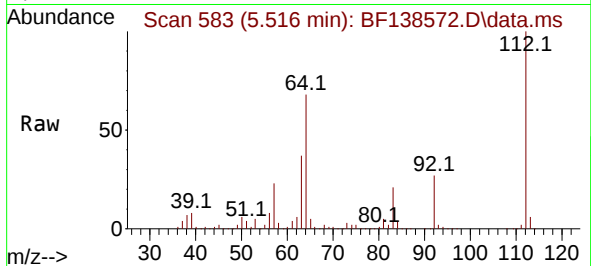




#5  
2-Fluorophenol  
Concen: 136.799 ng  
RT: 5.516 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

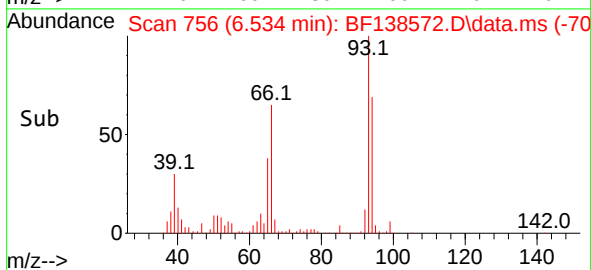
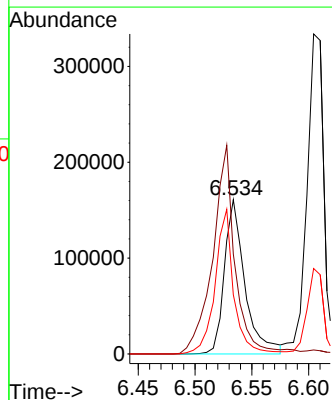
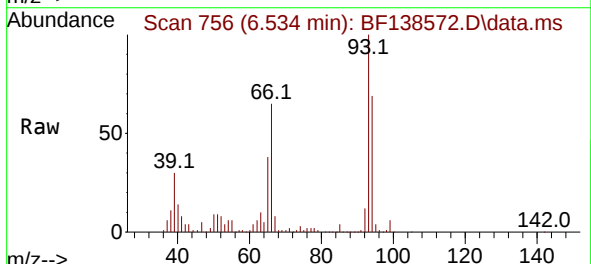
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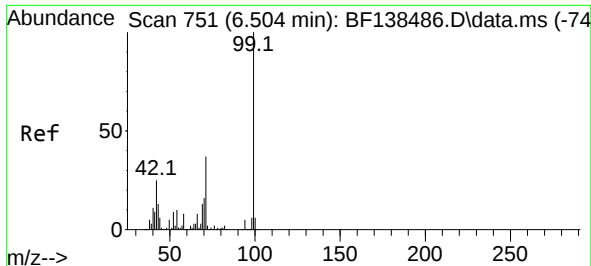
Tgt Ion:112 Resp: 774917  
Ion Ratio Lower Upper  
112 100  
64 68.4 55.1 82.7  
63 37.2 29.0 43.6



#6  
Aniline  
Concen: 28.598 ng  
RT: 6.534 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion: 93 Resp: 201853  
Ion Ratio Lower Upper  
93 100  
66 64.7 35.4 53.0#  
65 38.4 18.6 27.8#

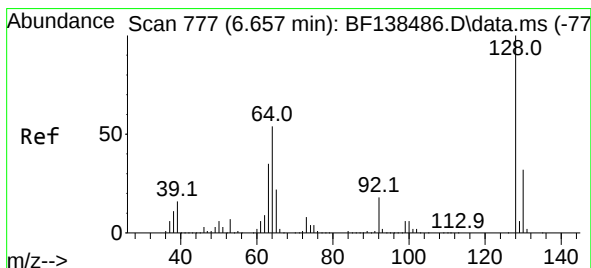
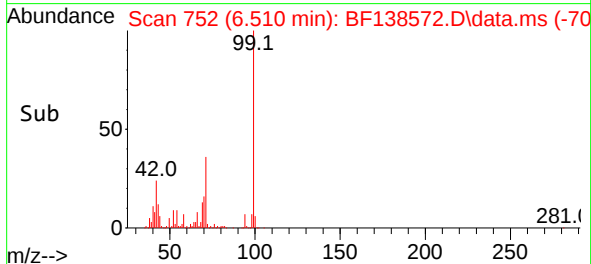
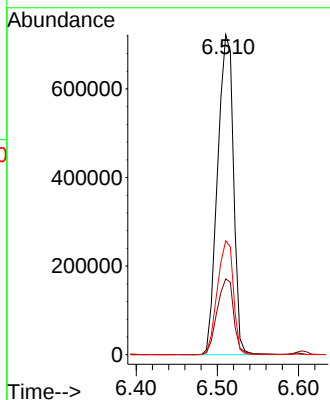
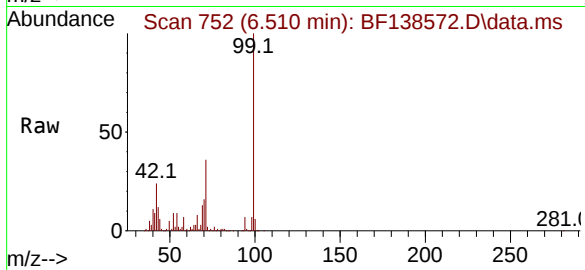




#7  
Phenol-d6  
Concen: 130.985 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

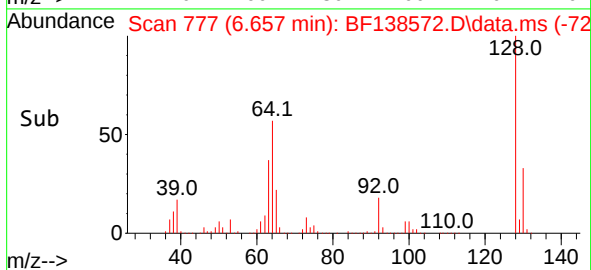
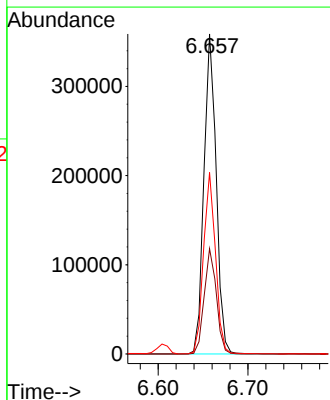
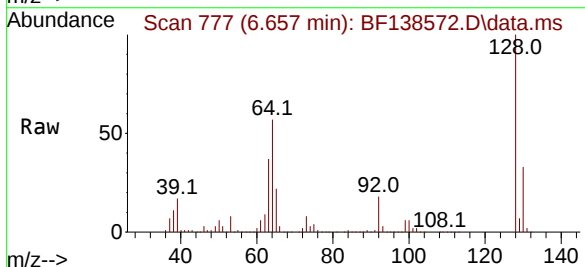
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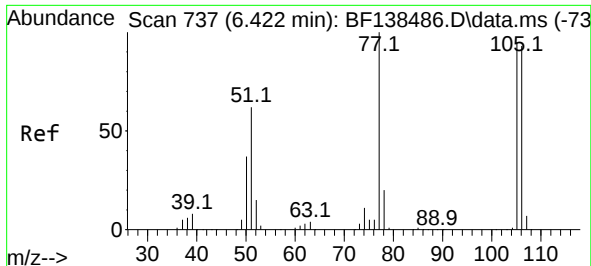
Tgt Ion: 99 Resp: 987055  
Ion Ratio Lower Upper  
99 100  
42 23.7 19.7 29.5  
71 35.6 29.9 44.9



#8  
2-Chlorophenol  
Concen: 56.796 ng  
RT: 6.657 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:128 Resp: 340196  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.1 52.1  
64 56.7 34.4 74.4





#9

Benzaldehyde

Concen: 5.035 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

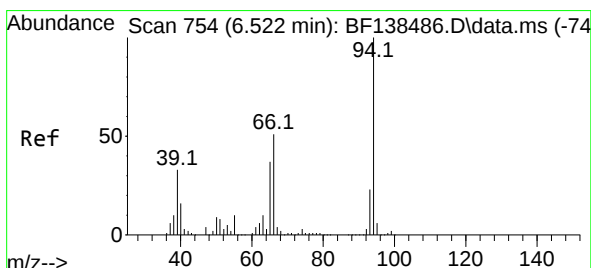
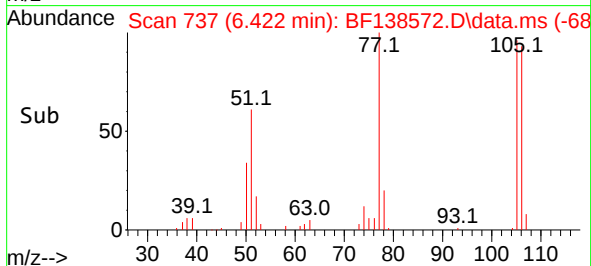
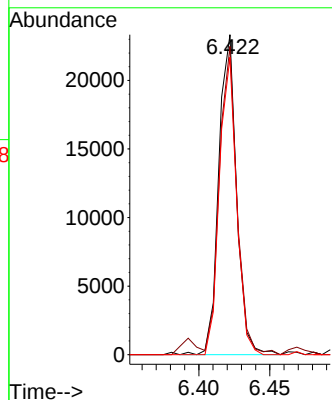
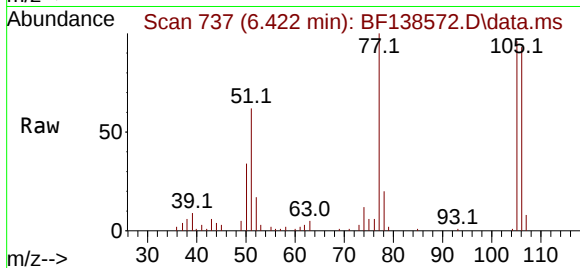
Tgt Ion: 77 Resp: 20310

Ion Ratio Lower Upper

77 100

105 96.4 75.1 115.1

106 93.0 73.2 113.2



#10

Phenol

Concen: 49.727 ng

RT: 6.528 min Scan# 755

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

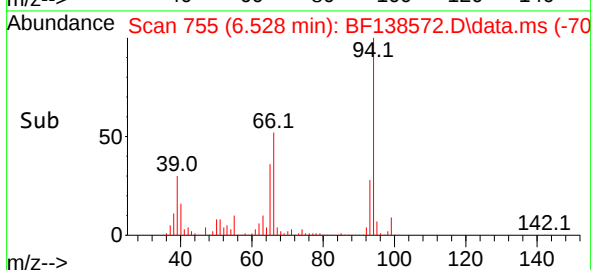
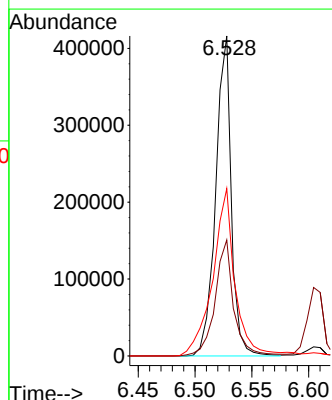
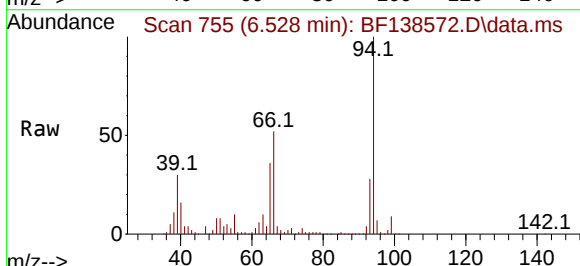
Tgt Ion: 94 Resp: 397751

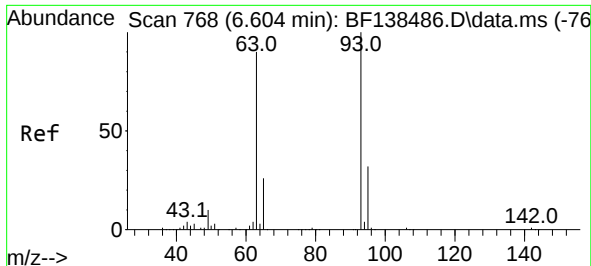
Ion Ratio Lower Upper

94 100

65 36.3 16.7 56.7

66 52.3 31.2 71.2

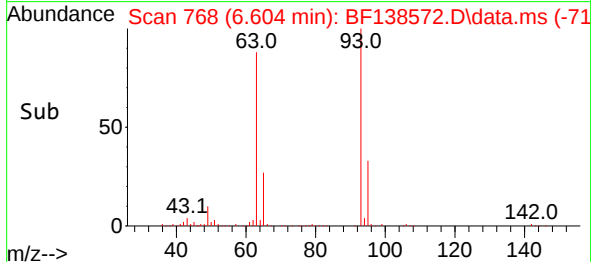
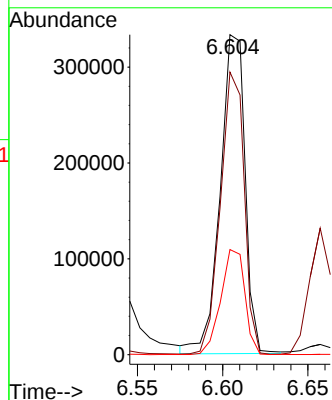
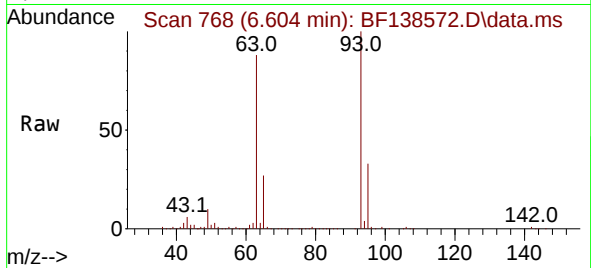




#11  
bis(2-Chloroethyl)ether  
Concen: 56.132 ng  
RT: 6.604 min Scan# 768  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

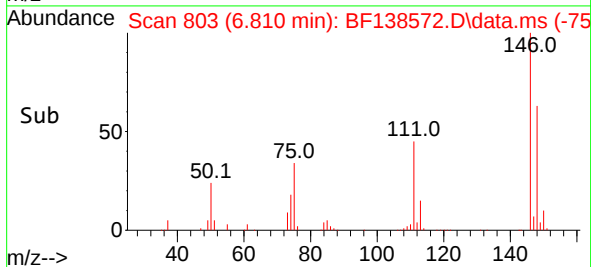
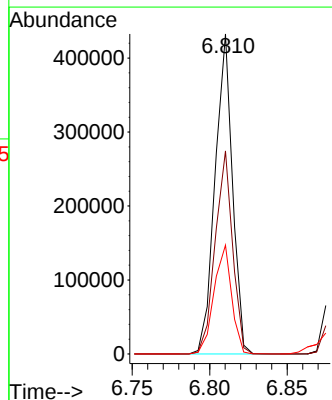
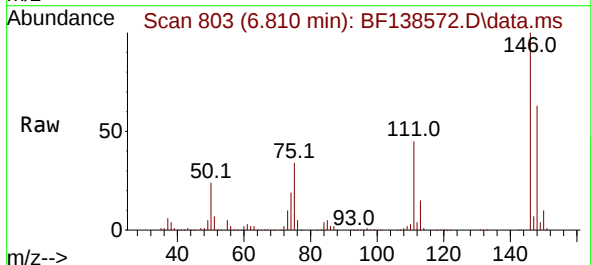
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

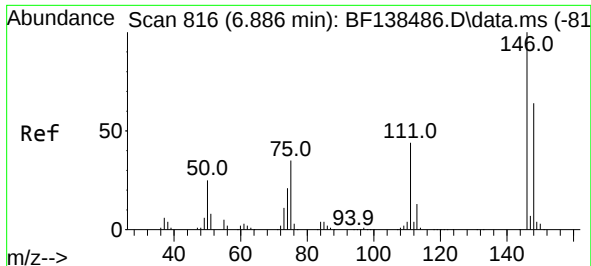
Tgt Ion: 93 Resp: 338038  
Ion Ratio Lower Upper  
93 100  
63 88.3 68.8 108.8  
95 32.9 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 50.224 ng  
RT: 6.810 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:146 Resp: 338150  
Ion Ratio Lower Upper  
146 100  
148 63.4 52.4 78.6  
75 34.0 27.8 41.8

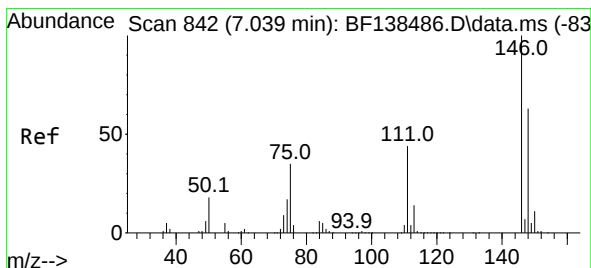
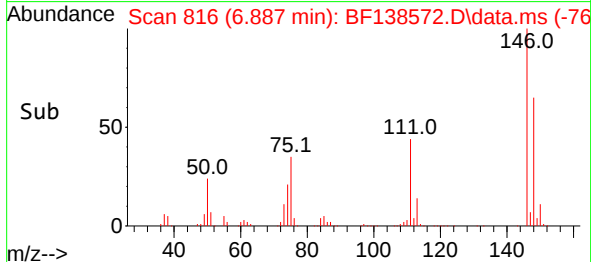
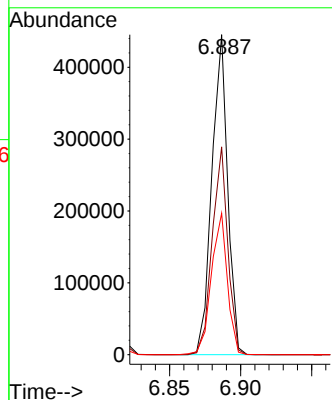
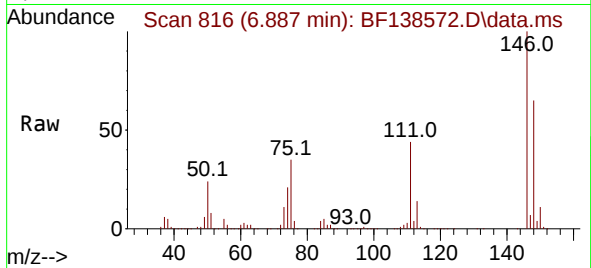




#13  
1,4-Dichlorobenzene  
Concen: 50.438 ng  
RT: 6.887 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

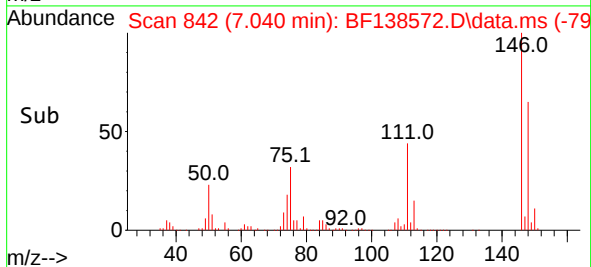
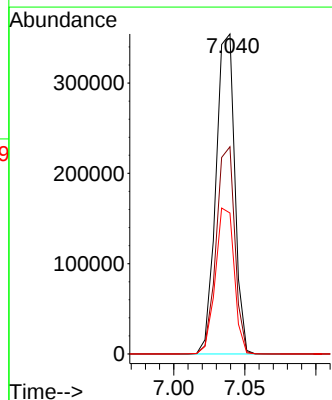
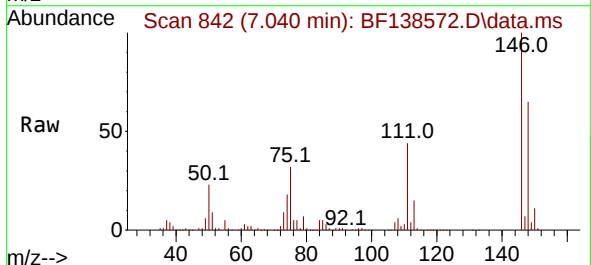
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

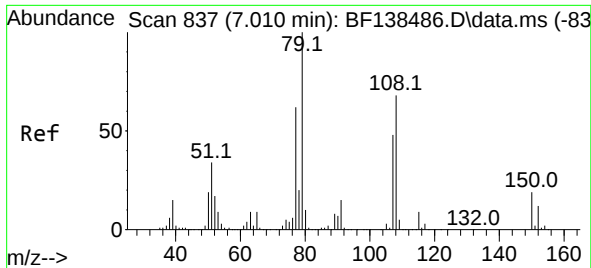
Tgt Ion:146 Resp: 344848  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.6 77.4  
111 44.2 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 51.315 ng  
RT: 7.040 min Scan# 842  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:146 Resp: 326765  
Ion Ratio Lower Upper  
146 100  
148 64.7 50.1 75.1  
111 44.0 35.5 53.3

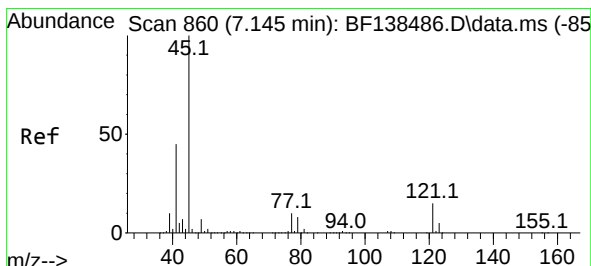
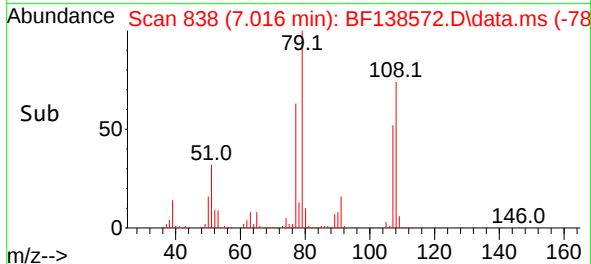
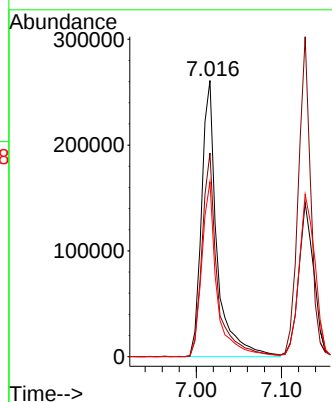
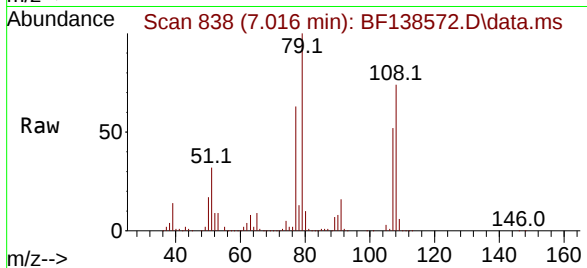




#15  
Benzyl Alcohol  
Concen: 58.310 ng  
RT: 7.016 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

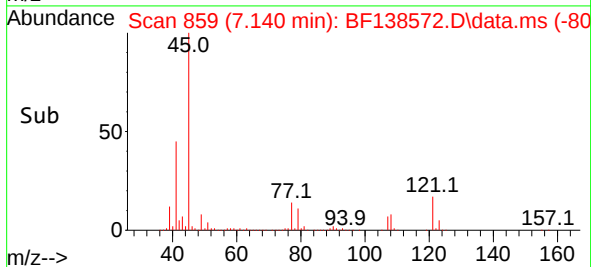
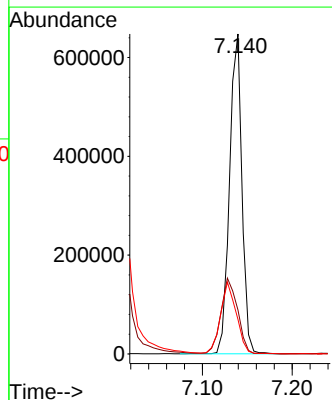
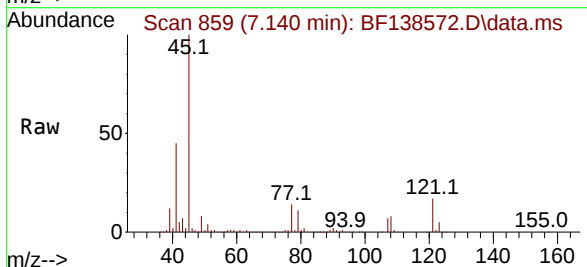
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

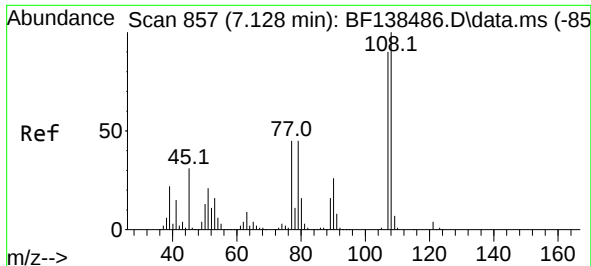
Tgt Ion: 79 Resp: 329761  
Ion Ratio Lower Upper  
79 100  
108 73.8 54.3 81.5  
77 63.4 50.0 75.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.406 ng  
RT: 7.140 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion: 45 Resp: 620632  
Ion Ratio Lower Upper  
45 100  
77 13.8 0.0 30.4  
79 10.8 0.0 28.1





#17

2-Methylphenol

Concen: 54.687 ng

RT: 7.128 min Scan# 8

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

Tgt Ion:107 Resp: 268457

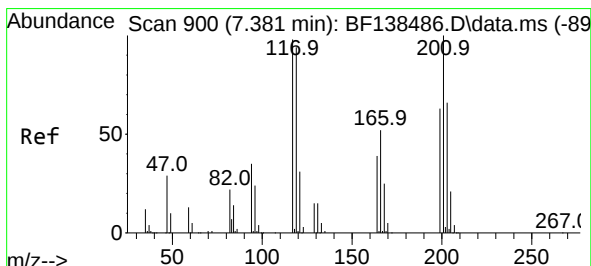
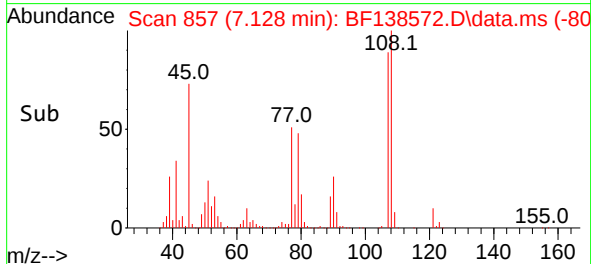
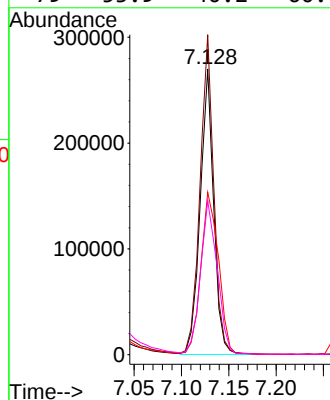
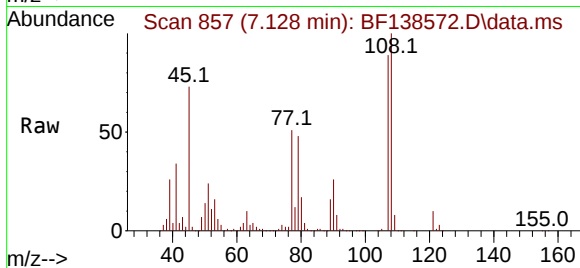
Ion Ratio Lower Upper

107 100

108 112.0 89.0 133.4

77 56.8 40.3 60.5

79 53.9 40.2 60.4



#18

Hexachloroethane

Concen: 49.602 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

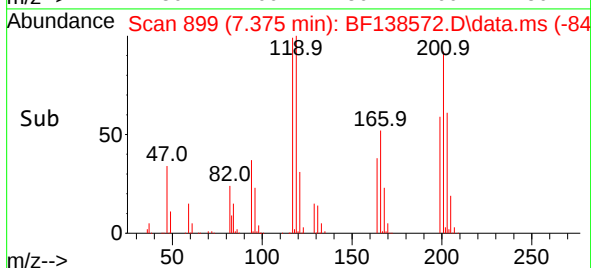
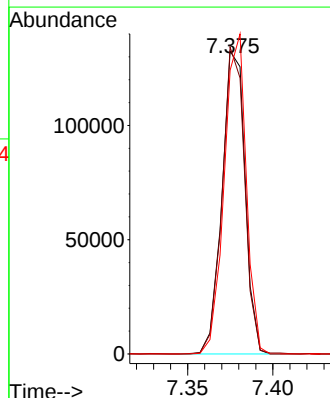
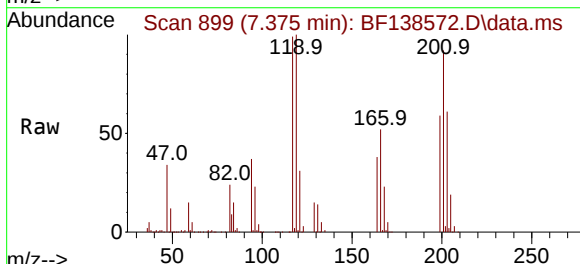
Tgt Ion:117 Resp: 124672

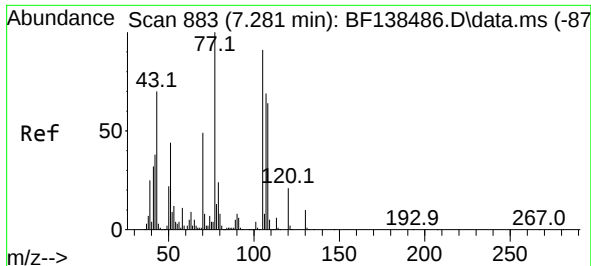
Ion Ratio Lower Upper

117 100

119 101.4 76.6 114.8

201 93.7 81.4 122.0

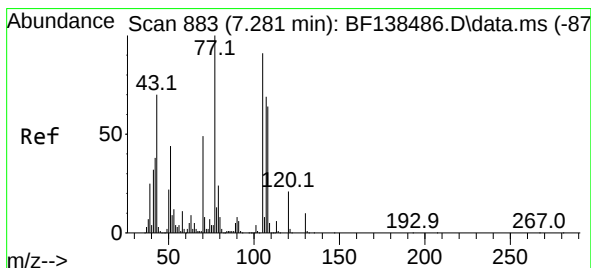
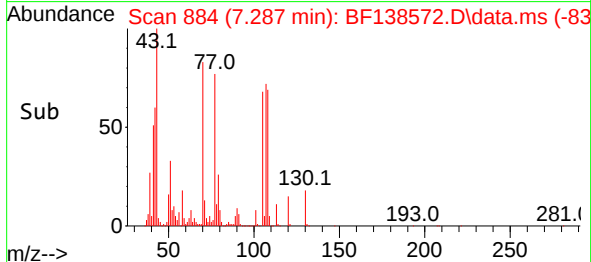
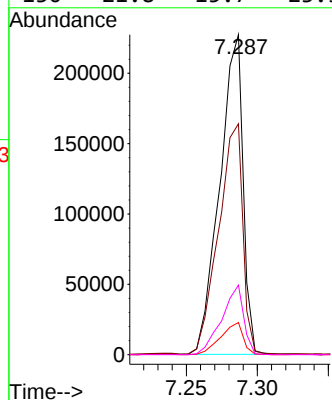
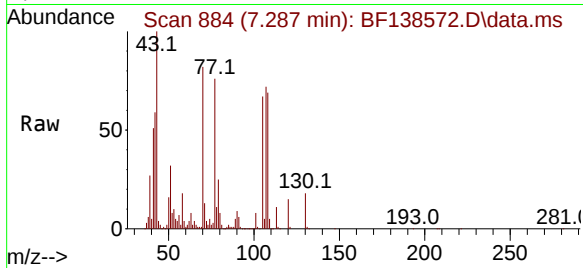




#19  
n-Nitroso-di-n-propylamine  
Concen: 55.620 ng  
RT: 7.287 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

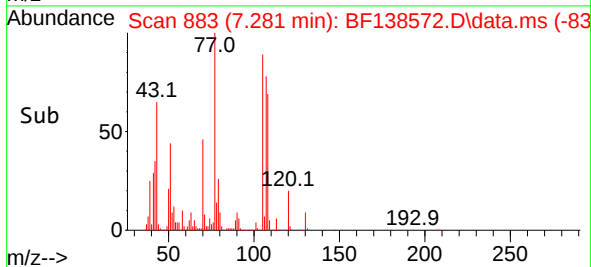
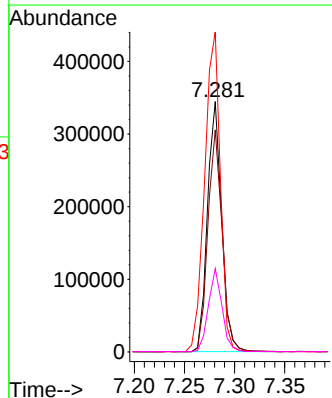
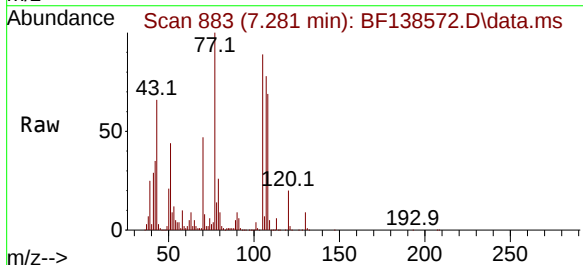
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

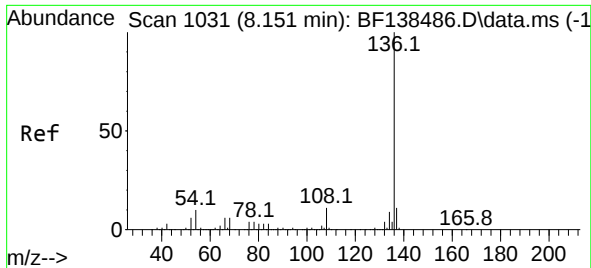
Tgt Ion: 70 Resp: 258984  
Ion Ratio Lower Upper  
70 100  
42 72.2 62.4 93.6  
101 10.1 7.2 10.8  
130 21.8 15.7 23.5



#20  
3+4-Methylphenols  
Concen: 55.113 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion: 107 Resp: 340687  
Ion Ratio Lower Upper  
107 100  
108 88.7 73.7 113.7  
77 127.8 126.0 166.0  
79 33.3 15.4 55.4



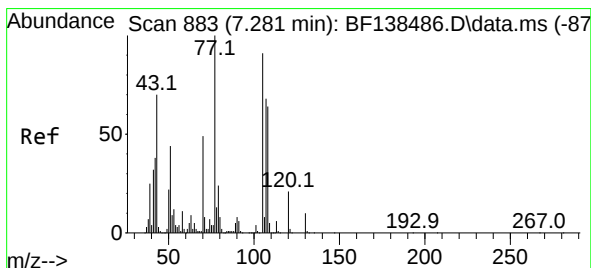
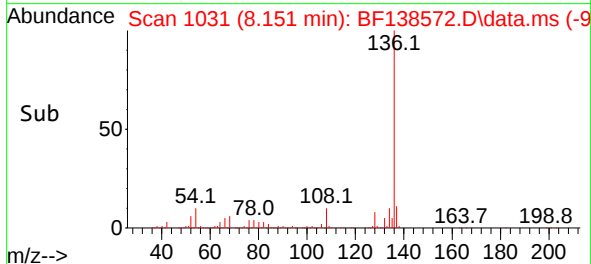
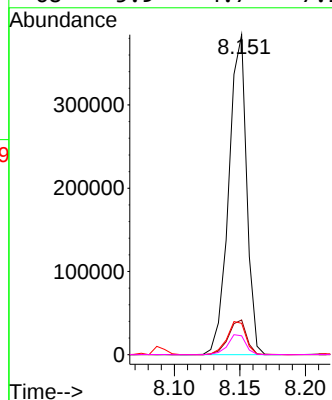
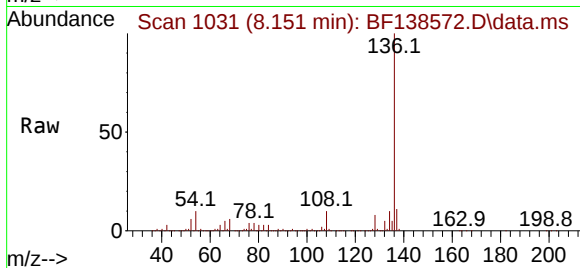


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

Tgt Ion:136 Resp: 364454

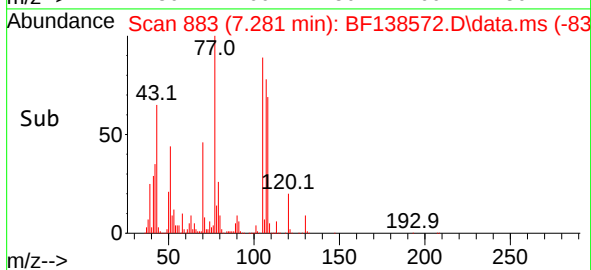
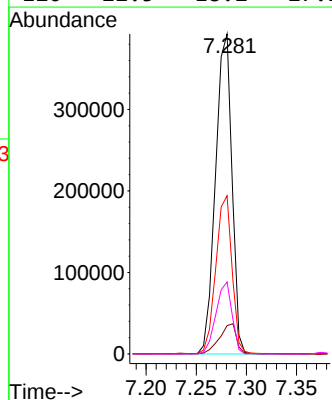
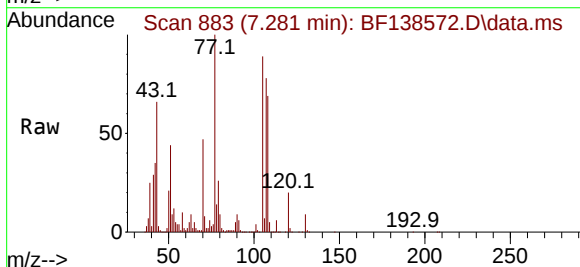
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.5   | 12.7  |
| 54  | 9.8   | 8.1   | 12.1  |
| 68  | 5.9   | 4.7   | 7.1   |



#22  
Acetophenone  
Concen: 50.427 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:105 Resp: 446361

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.9   | 7.4   | 11.2  |
| 51  | 49.5  | 38.7  | 58.1  |
| 120 | 22.5  | 18.2  | 27.2  |





#23

Nitrobenzene-d5

Concen: 98.790 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

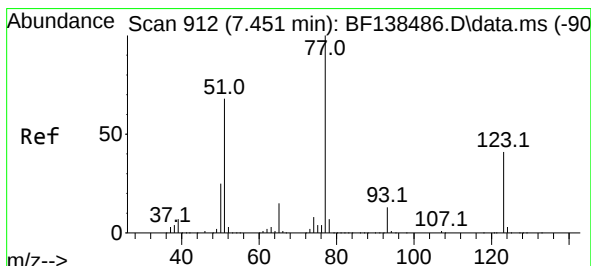
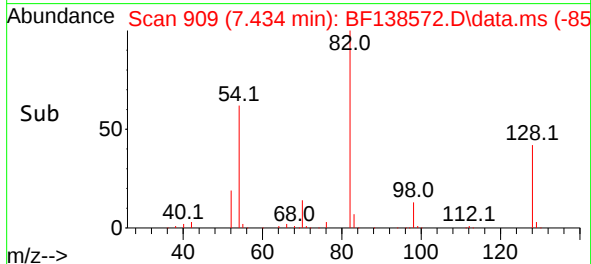
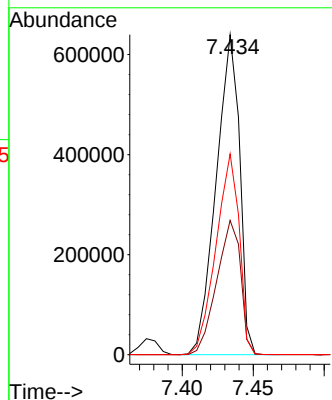
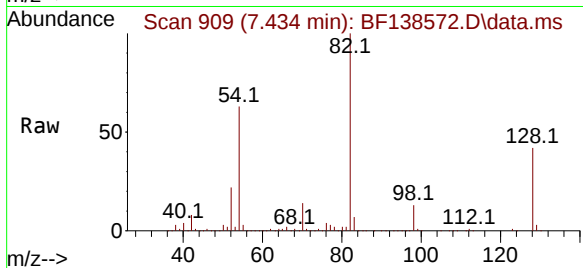
Tgt Ion: 82 Resp: 733319

Ion Ratio Lower Upper

82 100

128 42.0 32.3 48.5

54 62.8 51.4 77.0



#24

Nitrobenzene

Concen: 52.182 ng

RT: 7.451 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

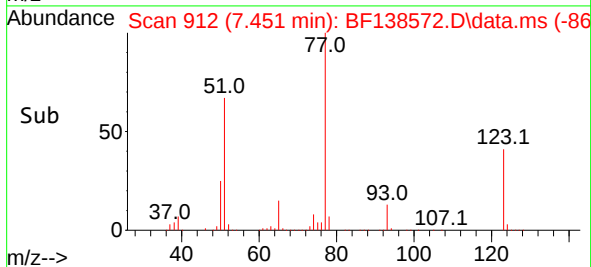
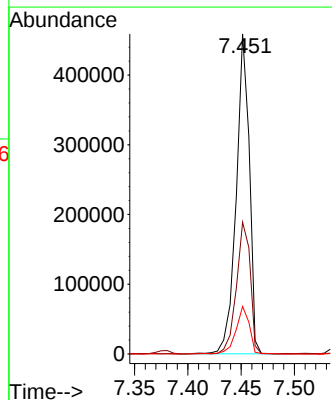
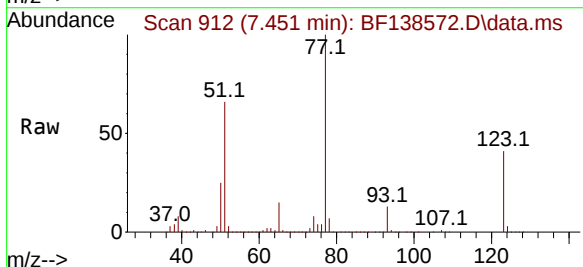
Tgt Ion: 77 Resp: 393633

Ion Ratio Lower Upper

77 100

123 41.2 32.4 48.6

65 14.9 11.8 17.8

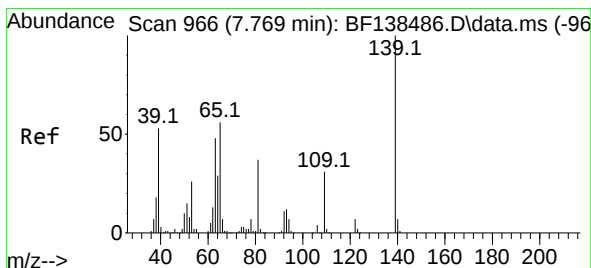
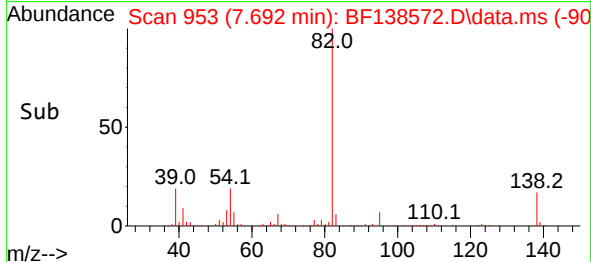
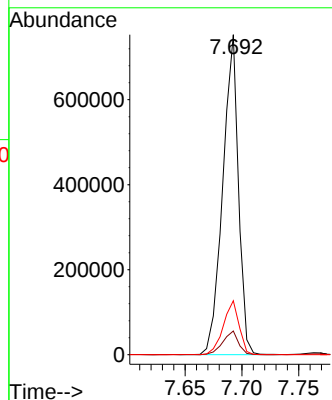
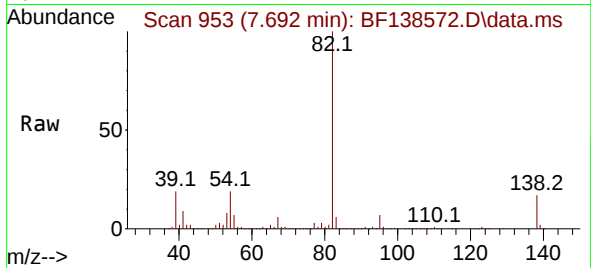




#25  
Isophorone  
Concen: 56.853 ng  
RT: 7.692 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

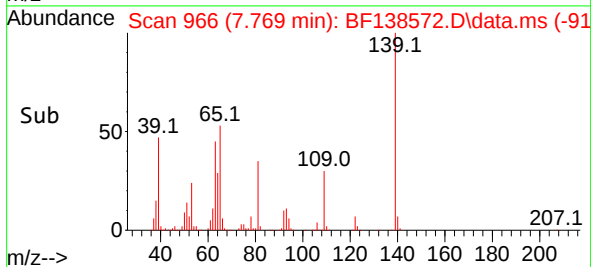
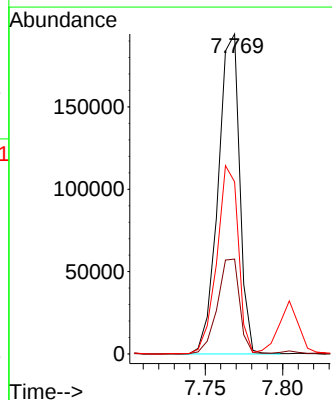
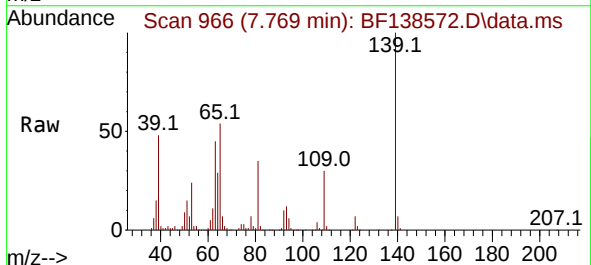
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

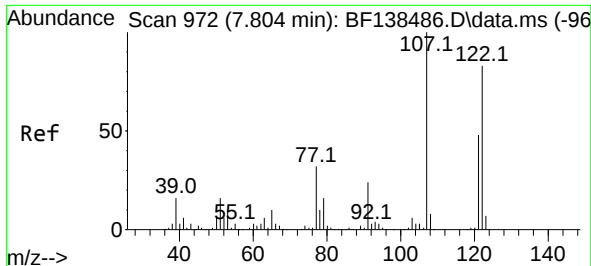
Tgt Ion: 82 Resp: 724744  
Ion Ratio Lower Upper  
82 100  
95 7.4 6.0 9.0  
138 16.9 12.8 19.2



#26  
2-Nitrophenol  
Concen: 58.083 ng  
RT: 7.769 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:139 Resp: 187790  
Ion Ratio Lower Upper  
139 100  
109 29.6 24.8 37.2  
65 53.8 45.1 67.7

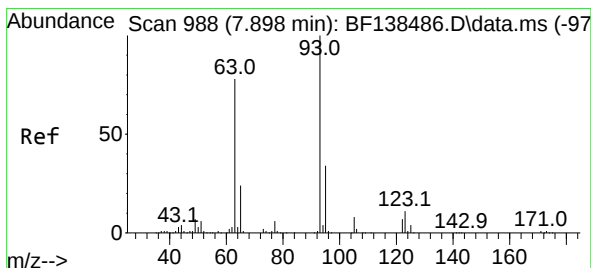
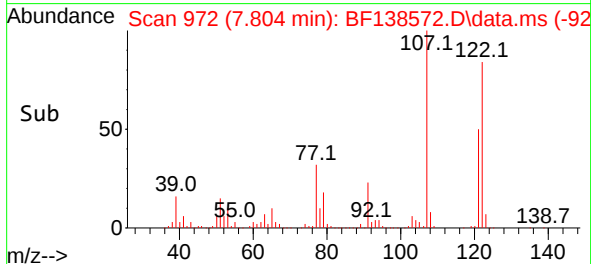
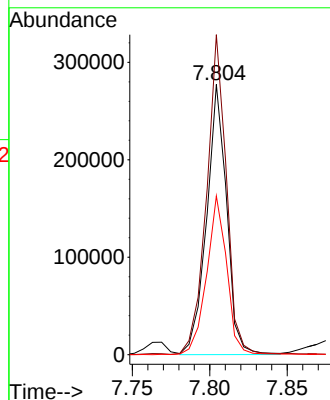
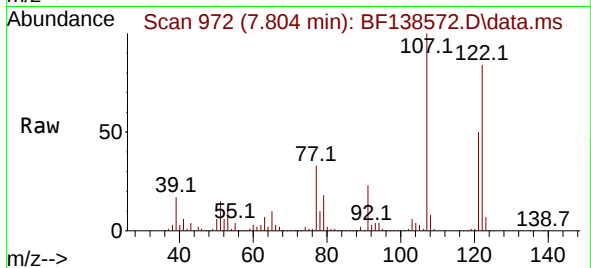




#27  
2,4-Dimethylphenol  
Concen: 62.591 ng  
RT: 7.804 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

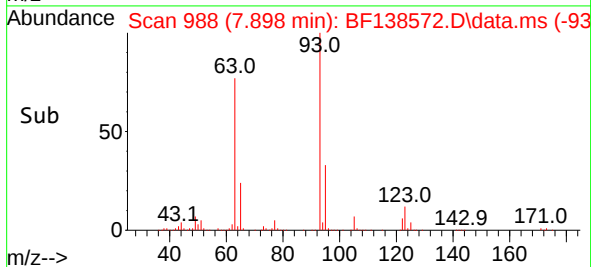
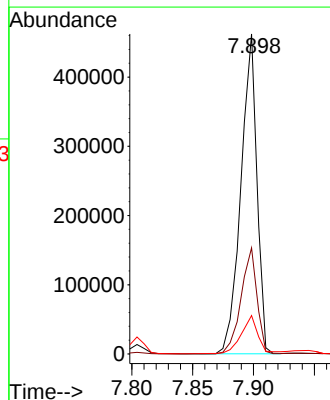
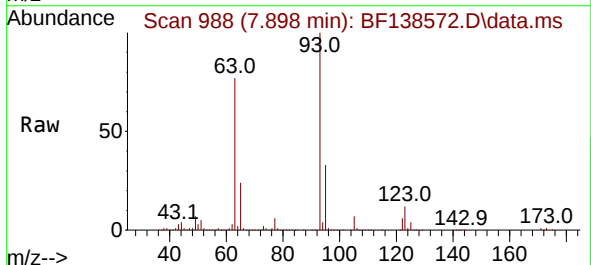
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

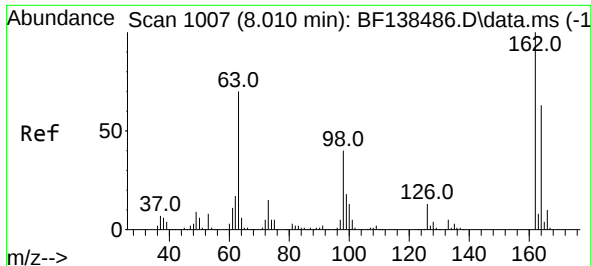
Tgt Ion:122 Resp: 248717  
Ion Ratio Lower Upper  
122 100  
107 118.4 96.3 144.5  
121 58.8 46.7 70.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 55.476 ng  
RT: 7.898 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion: 93 Resp: 422640  
Ion Ratio Lower Upper  
93 100  
95 33.1 27.0 40.6  
123 12.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 57.403 ng

RT: 8.010 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

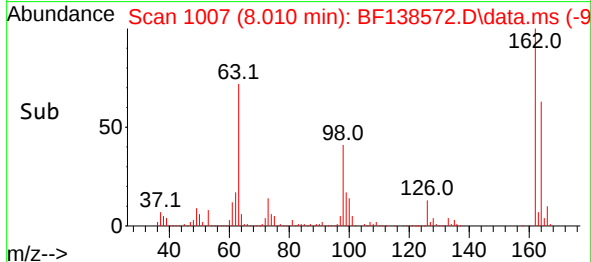
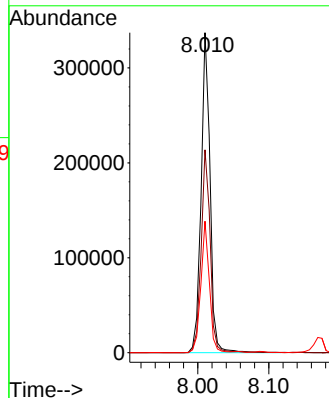
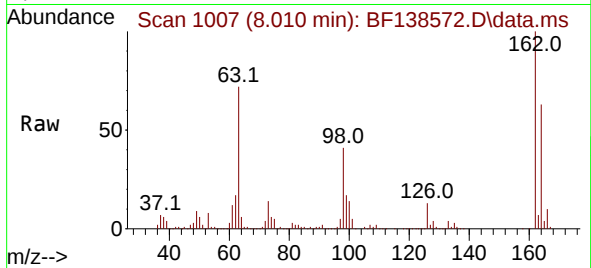
Tgt Ion:162 Resp: 296209

Ion Ratio Lower Upper

162 100

164 63.4 42.6 82.6

98 41.1 20.1 60.1



#30

1,2,4-Trichlorobenzene

Concen: 50.722 ng

RT: 8.087 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

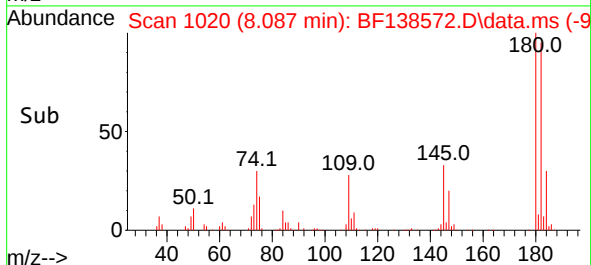
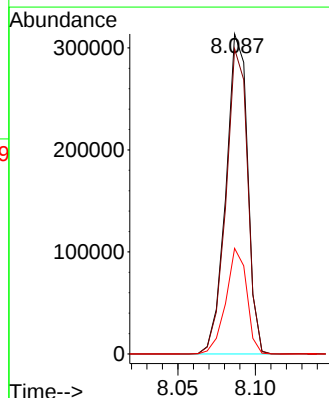
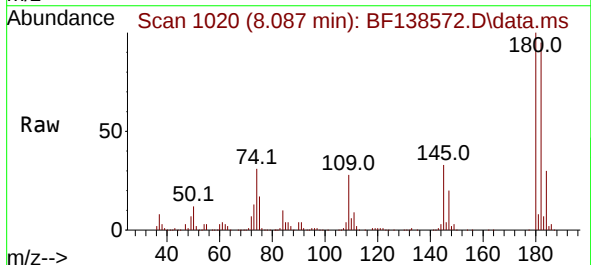
Tgt Ion:180 Resp: 304905

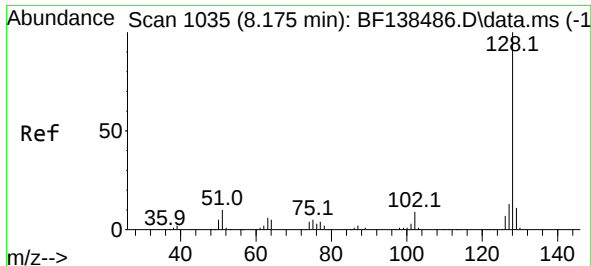
Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 33.0 23.9 35.9

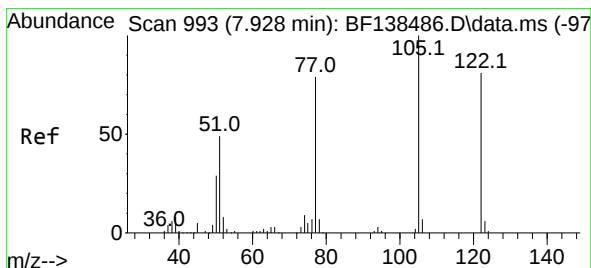
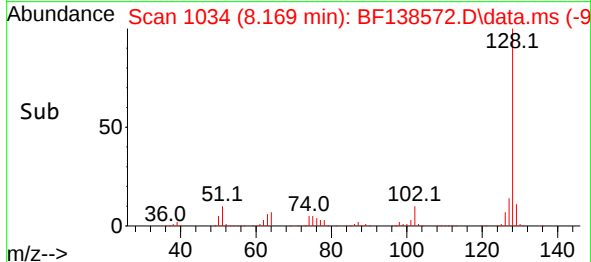
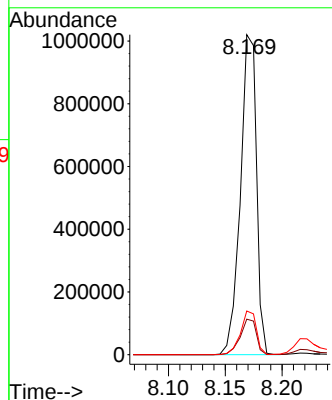
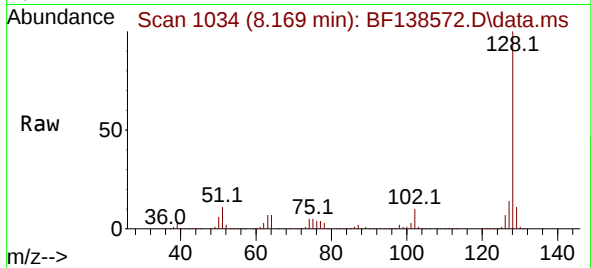




#31  
Naphthalene  
Concen: 52.768 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

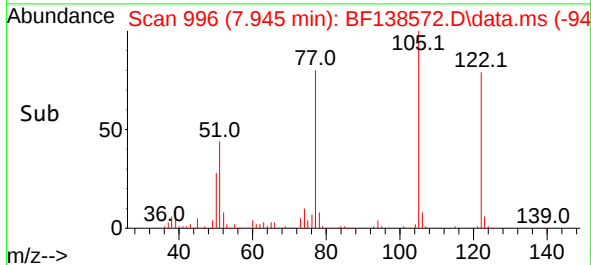
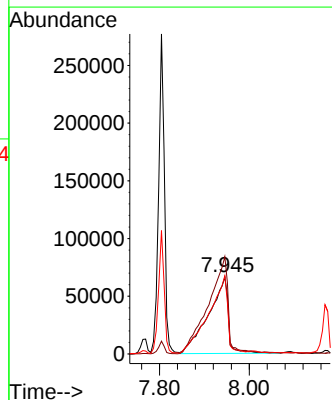
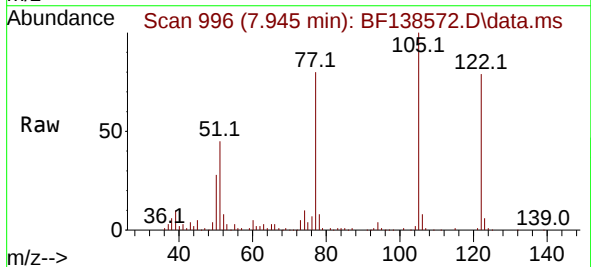
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

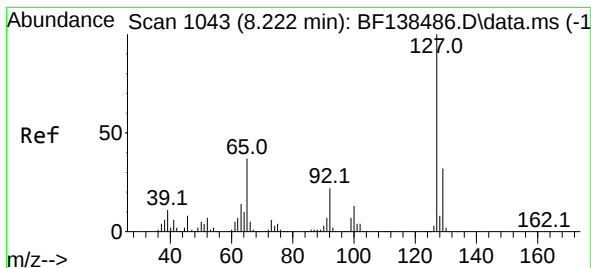
Tgt Ion:128 Resp: 1000196  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.7 10.7 16.1



#32  
Benzoic acid  
Concen: 53.795 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.018 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:122 Resp: 203884  
Ion Ratio Lower Upper  
122 100  
105 126.6 101.5 141.5  
77 101.8 77.3 117.3





#33

4-Chloroaniline

Concen: 13.501 ng

RT: 8.216 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

Tgt Ion:127 Resp: 89786

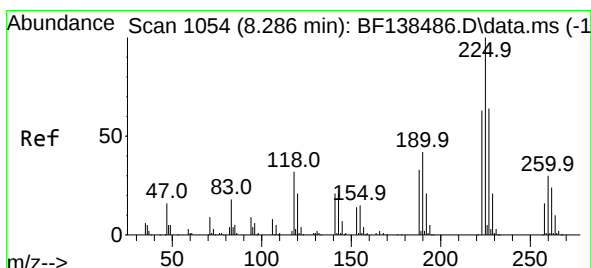
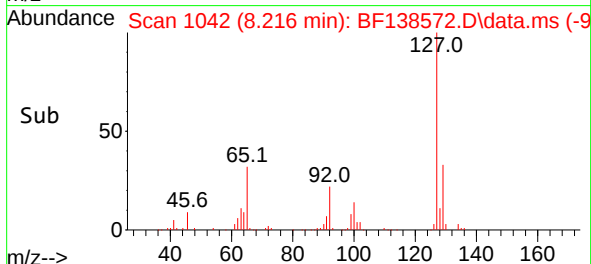
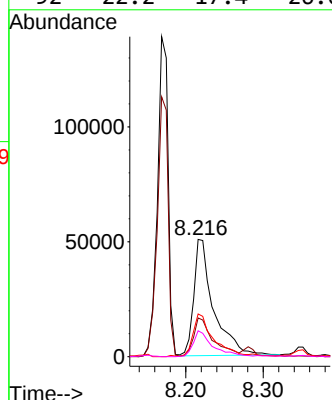
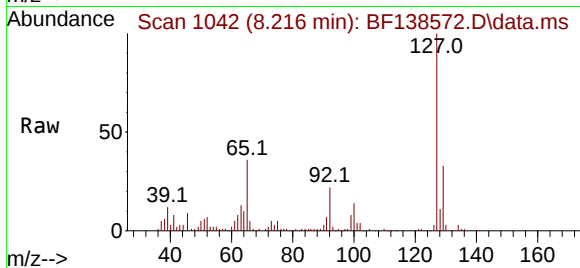
Ion Ratio Lower Upper

127 100

129 33.0 25.6 38.4

65 36.5 29.6 44.4

92 22.2 17.4 26.0



#34

Hexachlorobutadiene

Concen: 47.926 ng

RT: 8.281 min Scan# 1053

Delta R.T. -0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

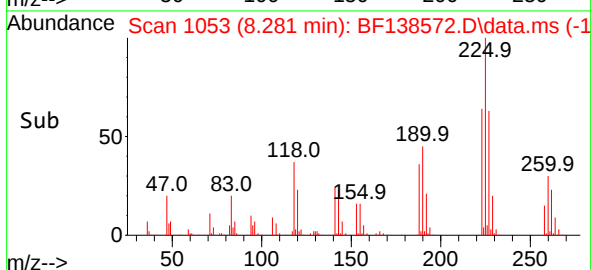
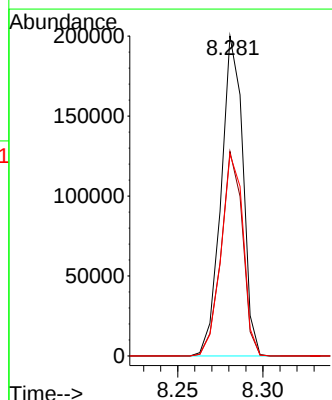
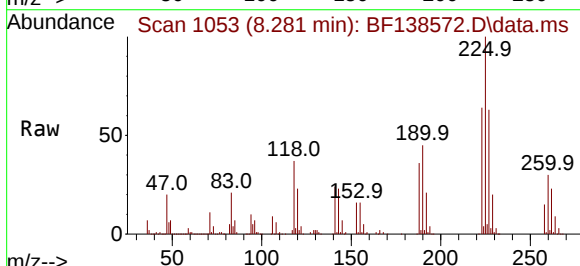
Tgt Ion:225 Resp: 177407

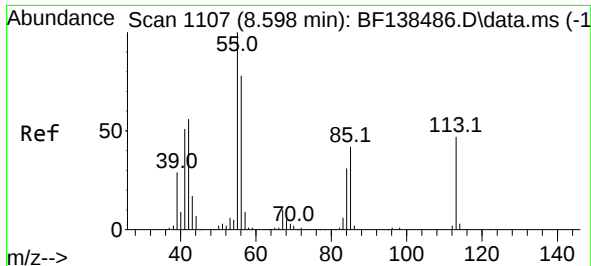
Ion Ratio Lower Upper

225 100

223 63.9 50.0 75.0

227 63.1 51.0 76.6

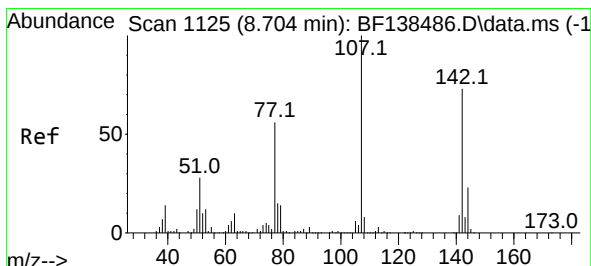
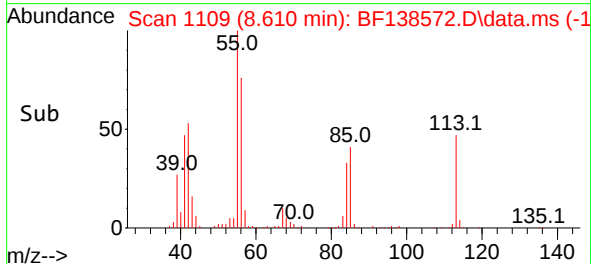
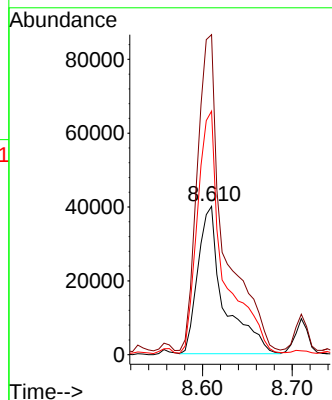
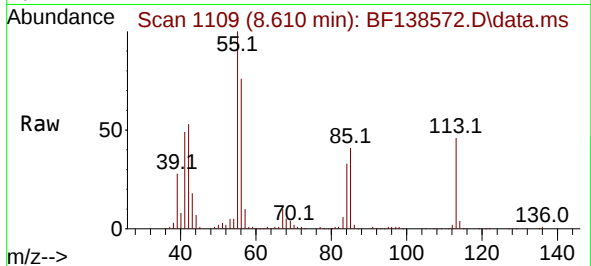




#35  
 Caprolactam  
 Concen: 48.492 ng  
 RT: 8.610 min Scan# 1109  
 Delta R.T. 0.012 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

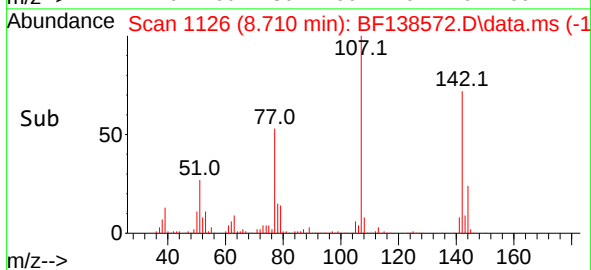
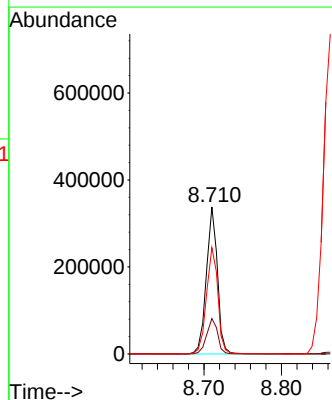
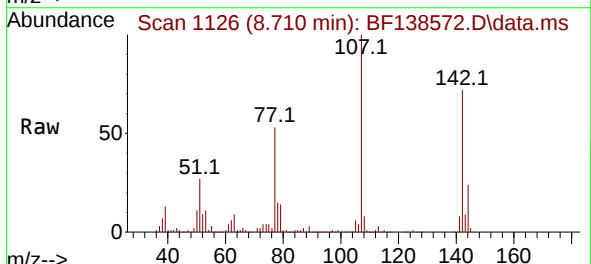
Instrument :  
 BNA\_F  
 ClientSampleId :  
 20071MSD

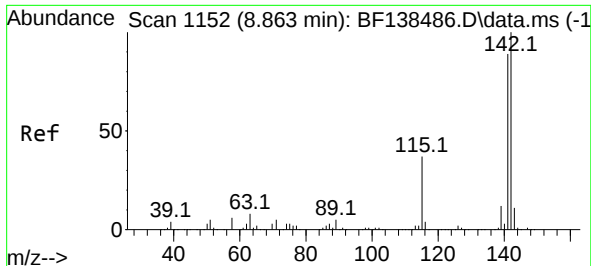
Tgt Ion:113 Resp: 80745  
 Ion Ratio Lower Upper  
 113 100  
 55 215.7 192.5 232.5  
 56 164.1 145.3 185.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 58.204 ng  
 RT: 8.710 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

Tgt Ion:107 Resp: 336245  
 Ion Ratio Lower Upper  
 107 100  
 144 24.1 18.6 27.8  
 142 72.3 58.6 88.0





#37

2-Methylnaphthalene

Concen: 54.520 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

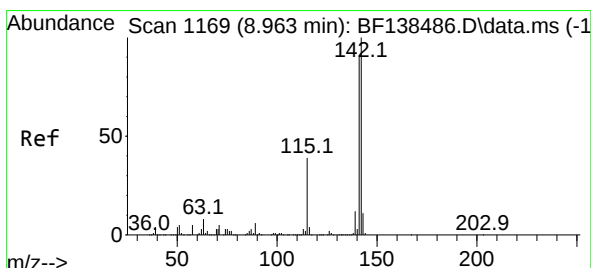
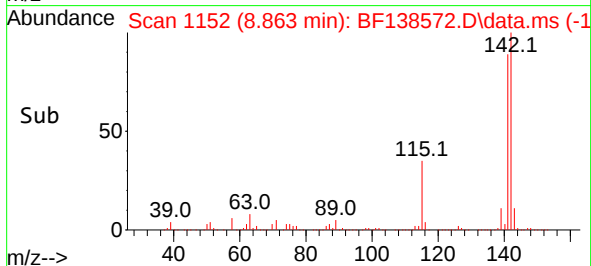
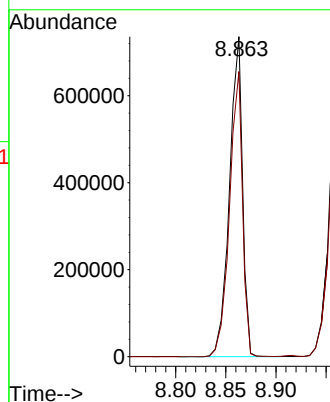
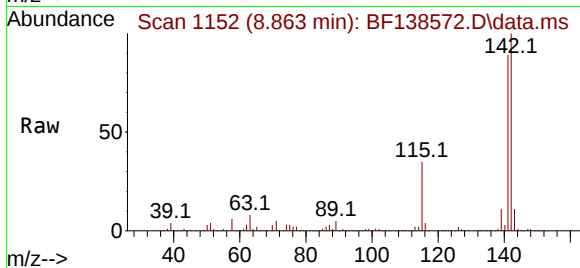
20071MSD

Tgt Ion:142 Resp: 665021

Ion Ratio Lower Upper

142 100

141 89.1 71.4 107.0



#38

1-Methylnaphthalene

Concen: 51.836 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF138572.D

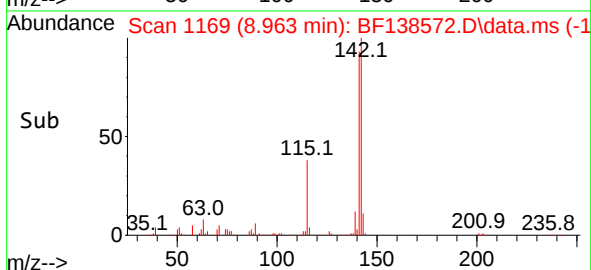
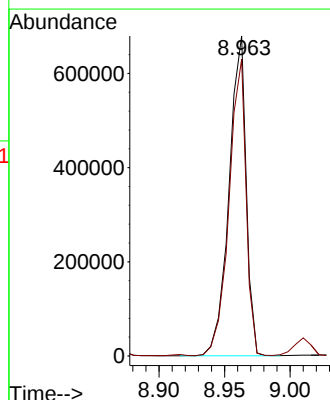
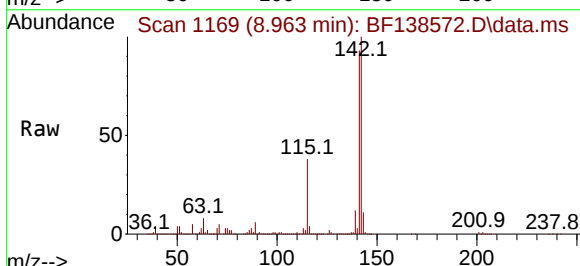
Acq: 15 Jul 2024 17:11

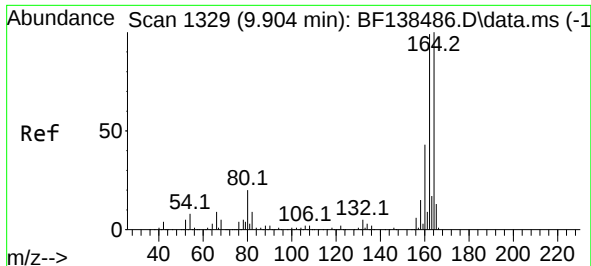
Tgt Ion:142 Resp: 617078

Ion Ratio Lower Upper

142 100

141 92.7 72.6 108.8

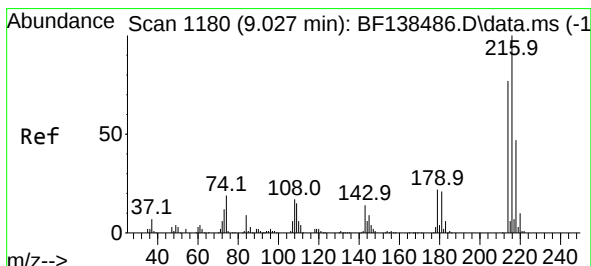
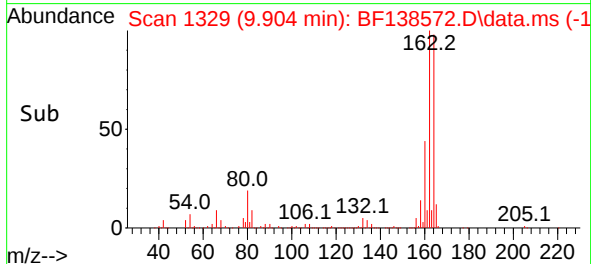
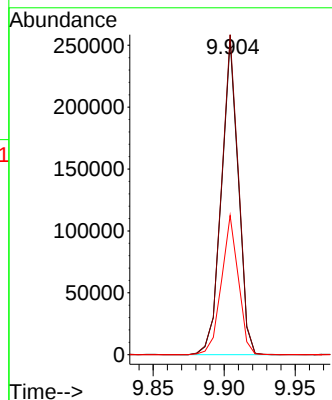
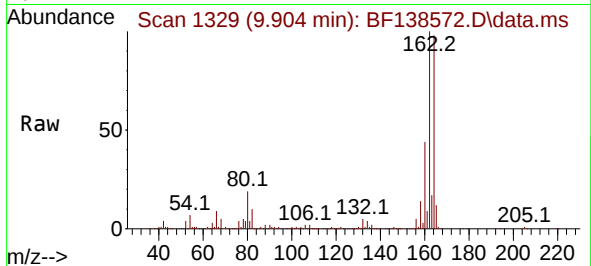




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

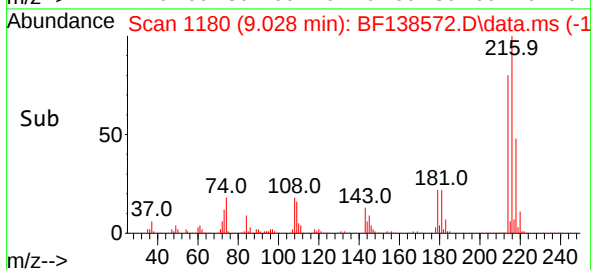
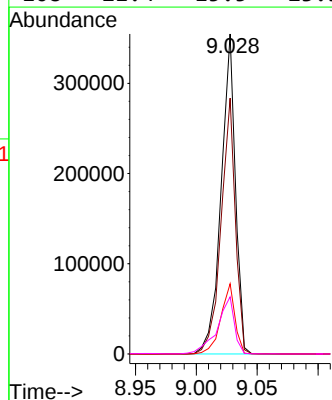
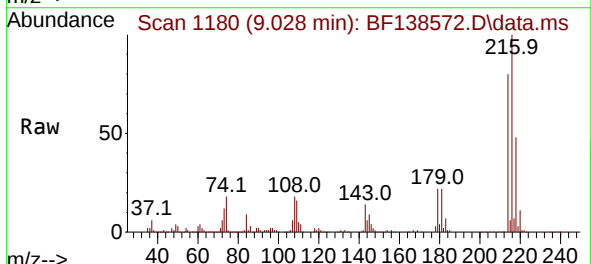
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

Tgt Ion:164 Resp: 209646  
Ion Ratio Lower Upper  
164 100  
162 101.6 79.0 118.6  
160 44.2 34.4 51.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 49.777 ng  
RT: 9.028 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:216 Resp: 290847  
Ion Ratio Lower Upper  
216 100  
214 79.5 62.8 94.2  
179 21.7 17.7 26.5  
108 21.4 15.5 23.3

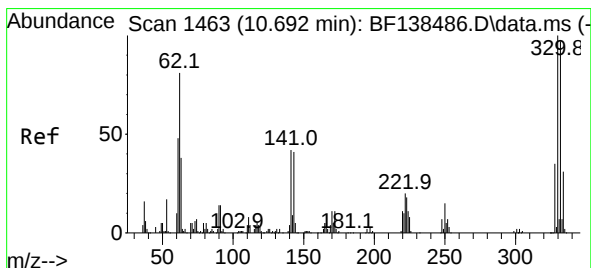
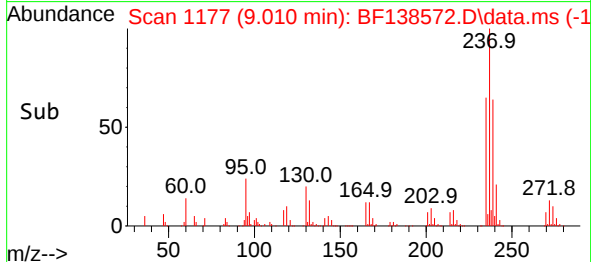
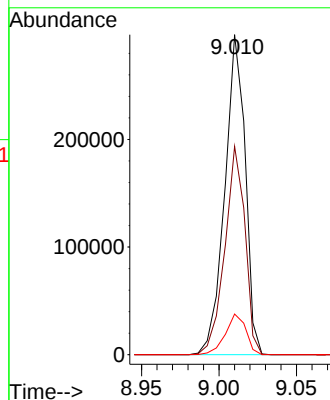
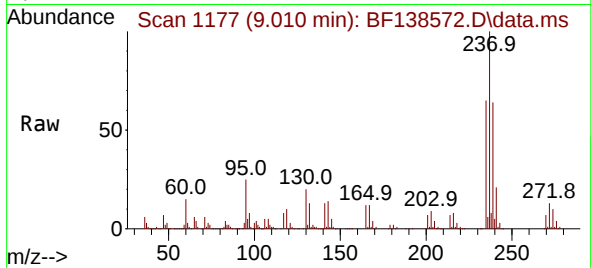




#41  
Hexachlorocyclopentadiene  
Concen: 143.917 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

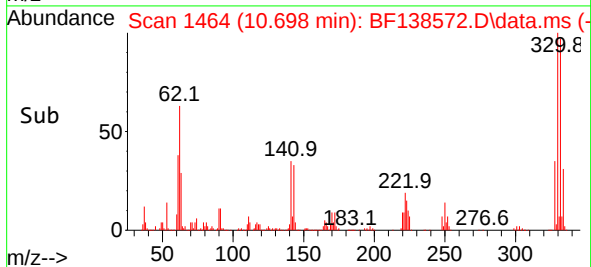
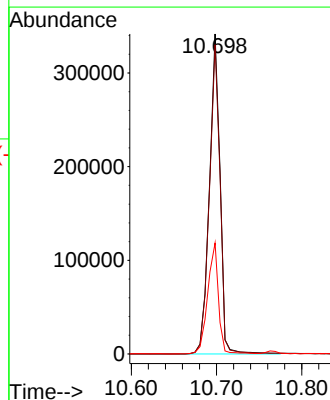
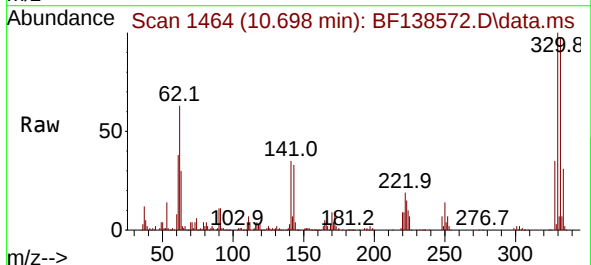
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

Tgt Ion:237 Resp: 272942  
Ion Ratio Lower Upper  
237 100  
235 65.1 43.3 83.3  
272 12.7 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 151.506 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:330 Resp: 296854  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.8 115.2  
141 35.3 29.4 44.2

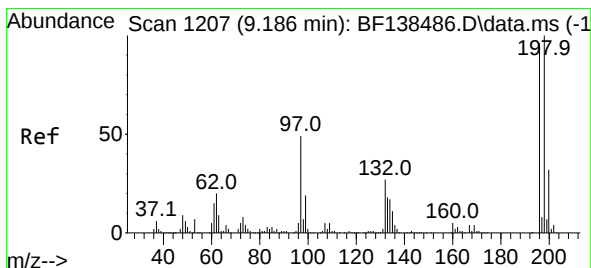
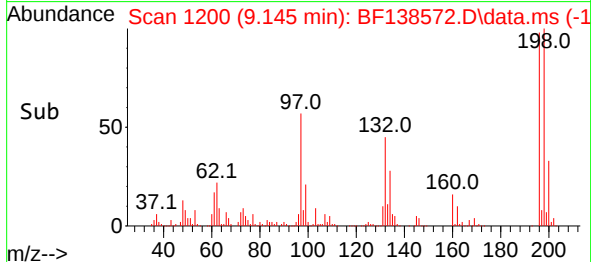
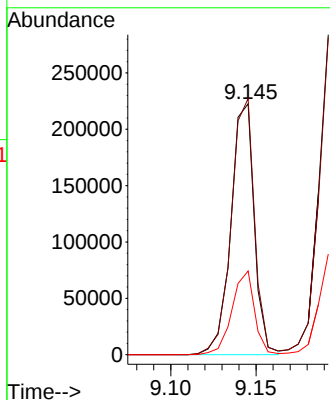
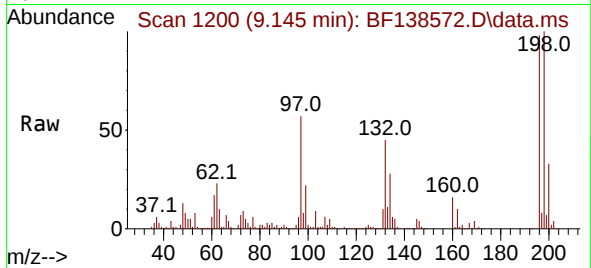




#43  
2,4,6-Trichlorophenol  
Concen: 57.012 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

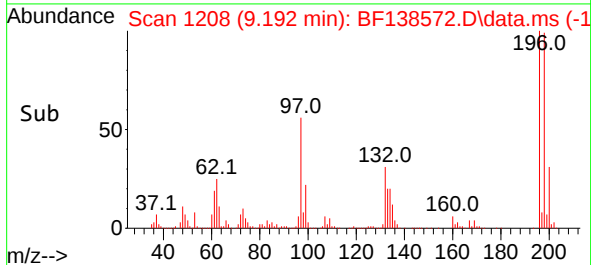
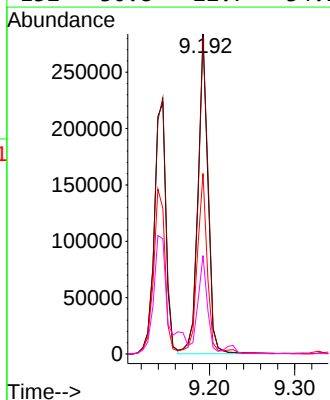
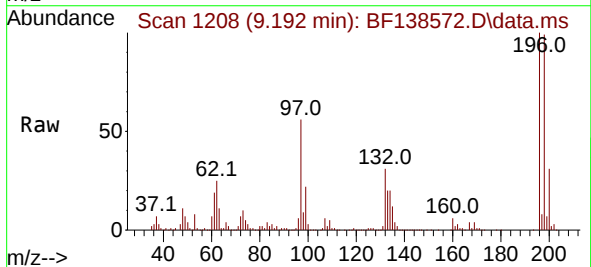
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

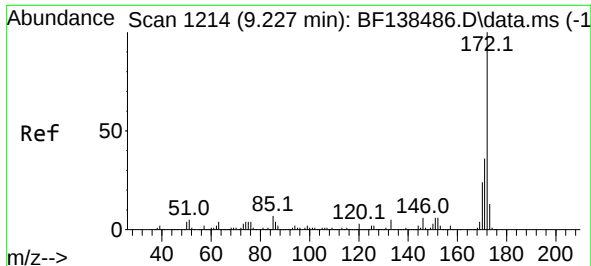
Tgt Ion:196 Resp: 212490  
Ion Ratio Lower Upper  
196 100  
198 102.1 82.3 123.5  
200 33.3 25.8 38.6



#44  
2,4,5-Trichlorophenol  
Concen: 56.489 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:196 Resp: 231569  
Ion Ratio Lower Upper  
196 100  
198 99.1 82.8 124.2  
97 56.4 41.0 61.4  
132 30.8 22.7 34.1





#45

2-Fluorobiphenyl

Concen: 98.045 ng

RT: 9.228 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

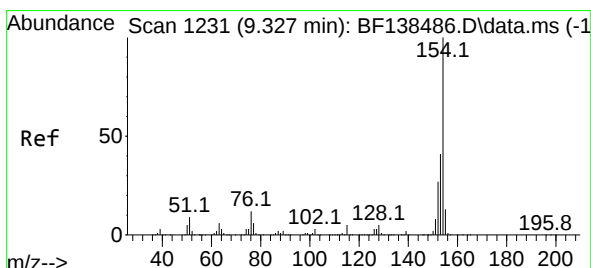
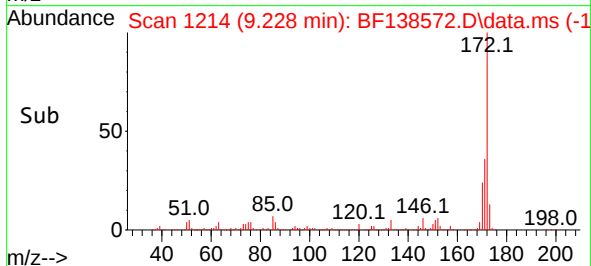
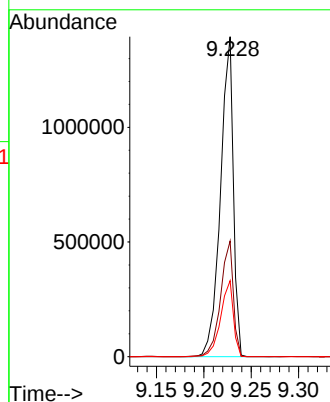
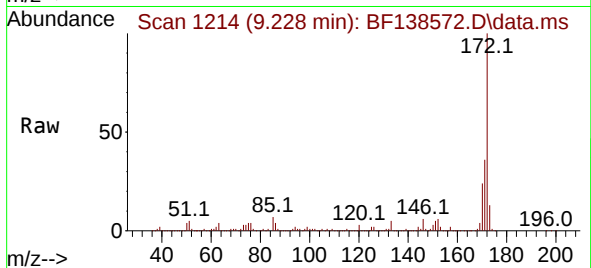
Tgt Ion:172 Resp: 1315163

Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 23.8 18.9 28.3



#46

1,1'-Biphenyl

Concen: 50.465 ng

RT: 9.328 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

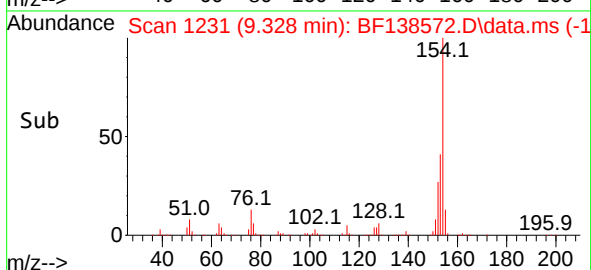
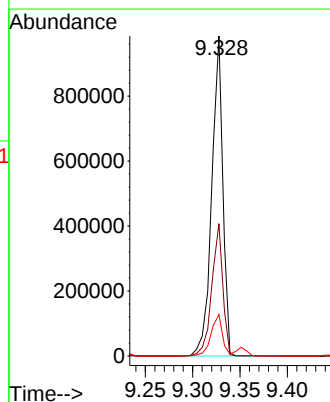
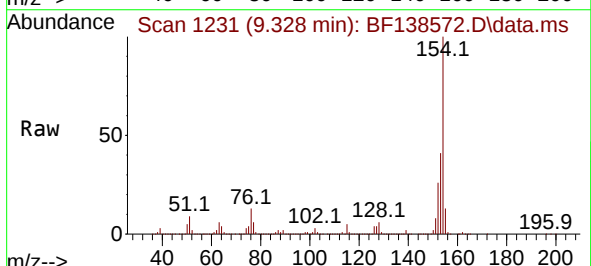
Tgt Ion:154 Resp: 801776

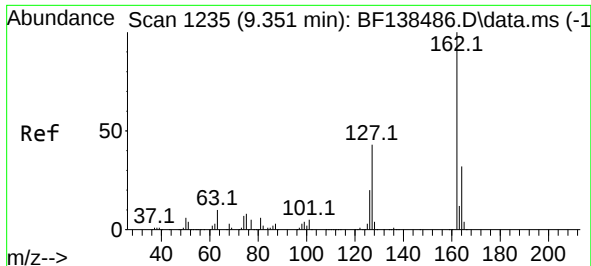
Ion Ratio Lower Upper

154 100

153 41.4 20.7 60.7

76 12.9 0.0 32.2

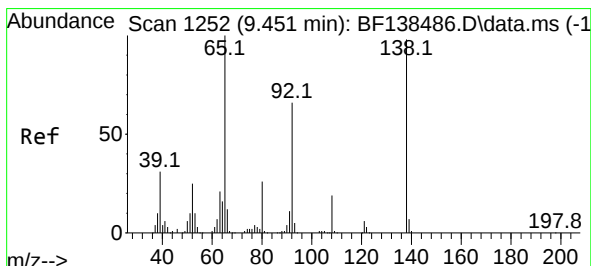
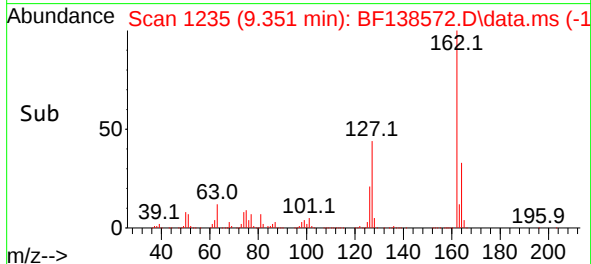
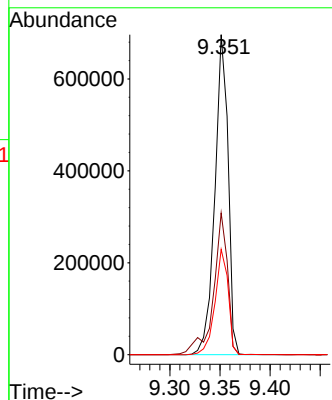
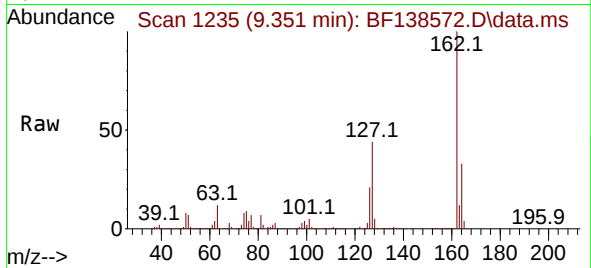




#47  
2-Chloronaphthalene  
Concen: 53.229 ng  
RT: 9.351 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

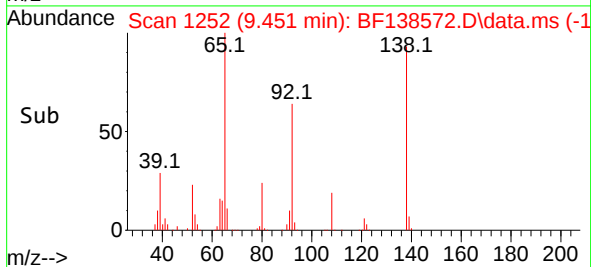
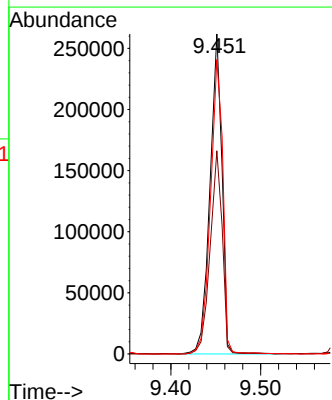
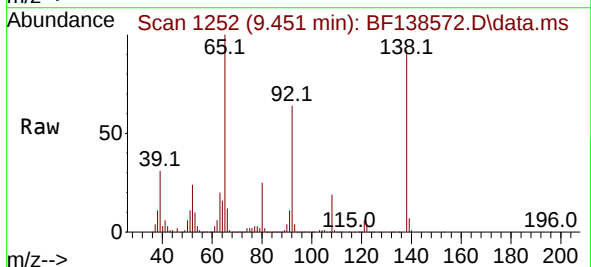
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

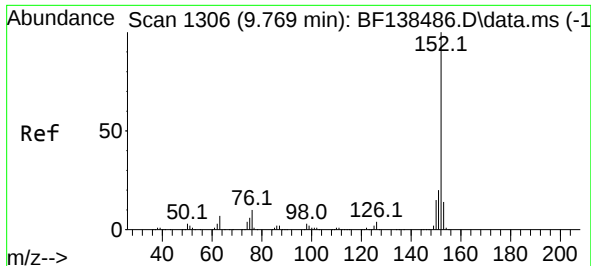
Tgt Ion:162 Resp: 638889  
Ion Ratio Lower Upper  
162 100  
127 44.3 34.8 52.2  
164 32.9 25.6 38.4



#48  
2-Nitroaniline  
Concen: 58.483 ng  
RT: 9.451 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion: 65 Resp: 243247  
Ion Ratio Lower Upper  
65 100  
92 63.5 52.6 78.8  
138 92.0 78.6 118.0





#49

Acenaphthylene

Concen: 59.667 ng

RT: 9.769 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

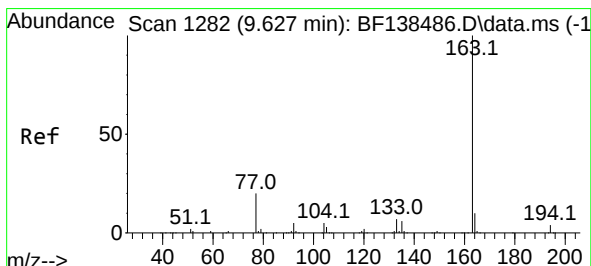
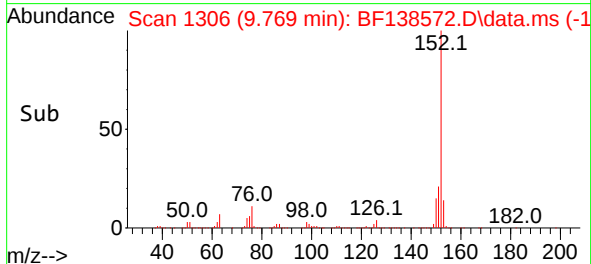
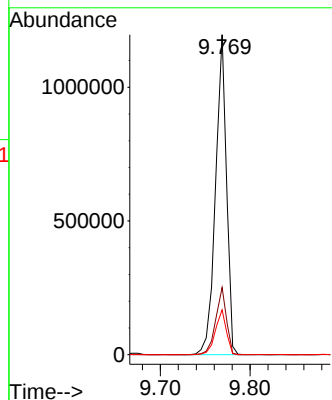
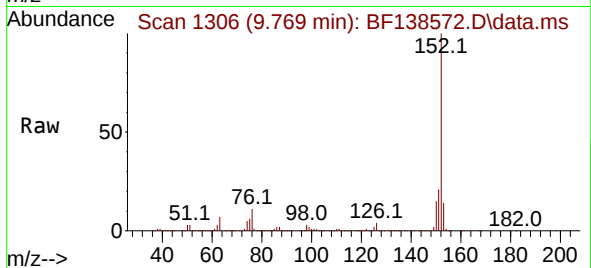
Tgt Ion:152 Resp: 1016775

Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

153 14.0 11.3 16.9



#50

Dimethylphthalate

Concen: 59.167 ng

RT: 9.634 min Scan# 1283

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

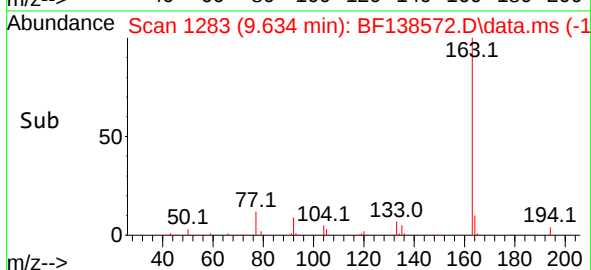
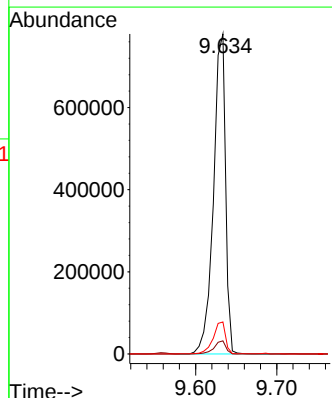
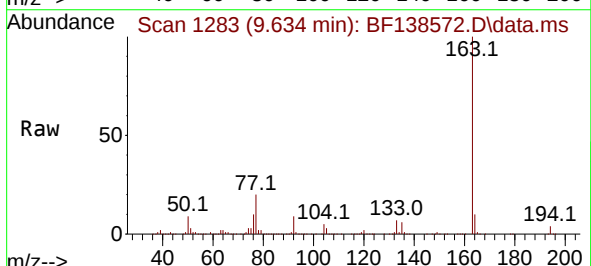
Tgt Ion:163 Resp: 802081

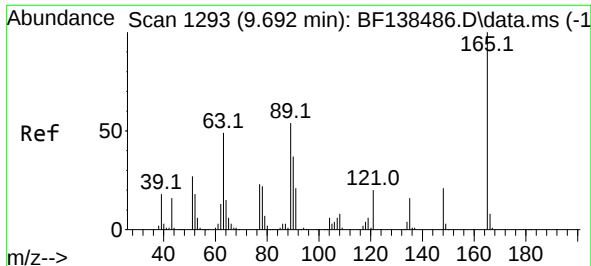
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.0 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 56.453 ng

RT: 9.692 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

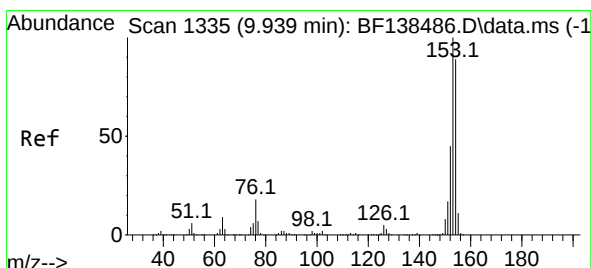
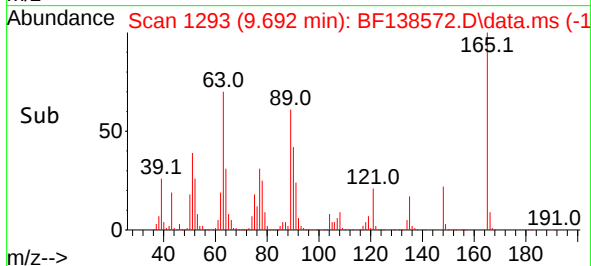
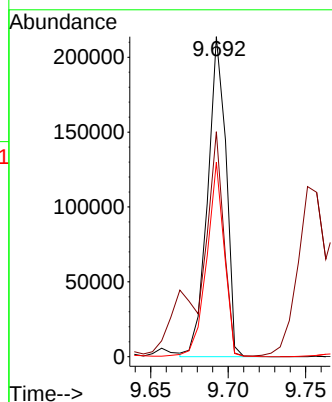
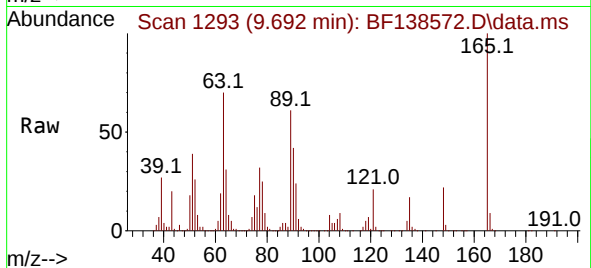
Tgt Ion:165 Resp: 176203

Ion Ratio Lower Upper

165 100

63 70.3 48.1 72.1

89 60.8 43.0 64.6



#52

Acenaphthene

Concen: 54.506 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

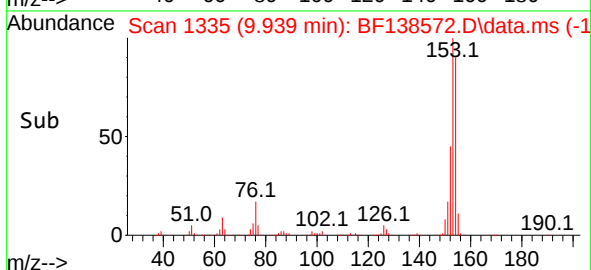
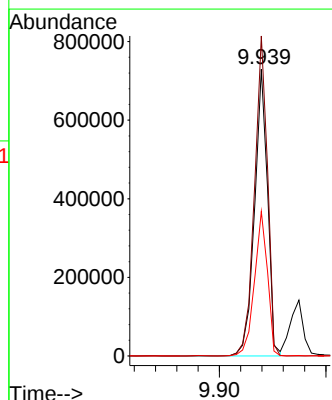
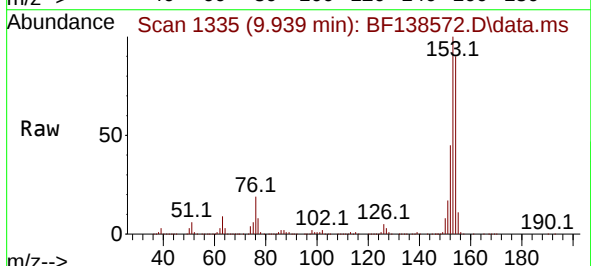
Tgt Ion:154 Resp: 617413

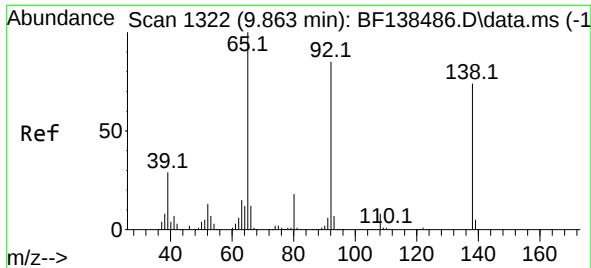
Ion Ratio Lower Upper

154 100

153 111.6 90.4 135.6

152 50.4 41.1 61.7

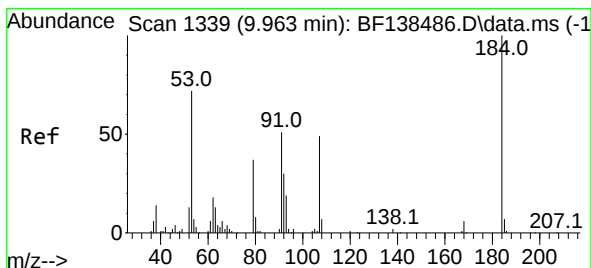
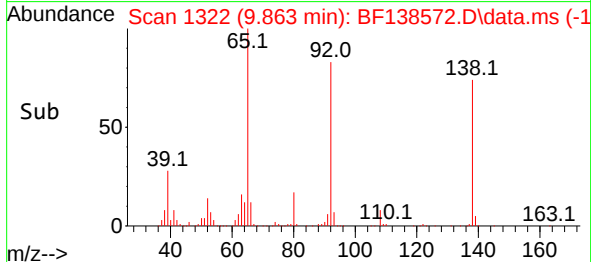
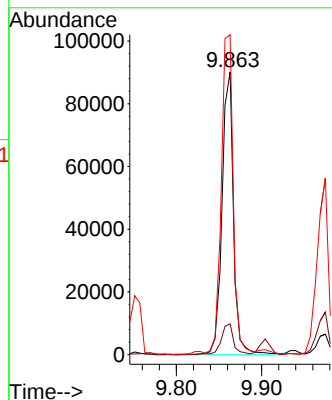
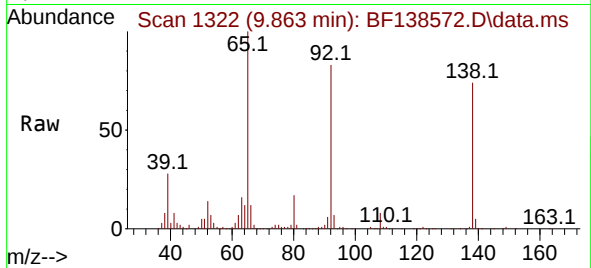




#53  
3-Nitroaniline  
Concen: 26.270 ng  
RT: 9.863 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

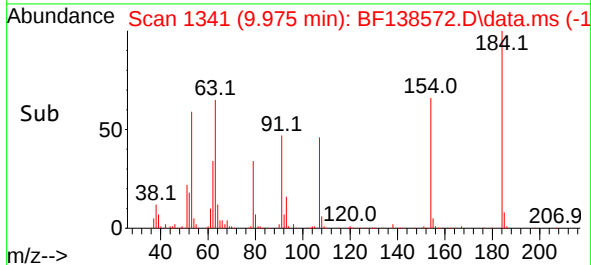
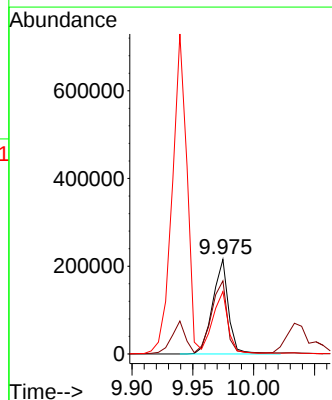
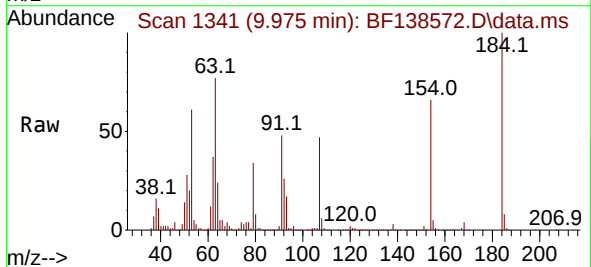
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

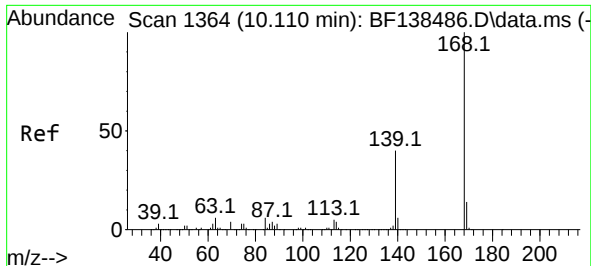
Tgt Ion:138 Resp: 84041  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.3 12.5  
92 113.2 92.6 138.8



#54  
2,4-Dinitrophenol  
Concen: 114.238 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.012 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:184 Resp: 194919  
Ion Ratio Lower Upper  
184 100  
63 77.3 70.6 106.0  
154 66.0 53.8 80.6

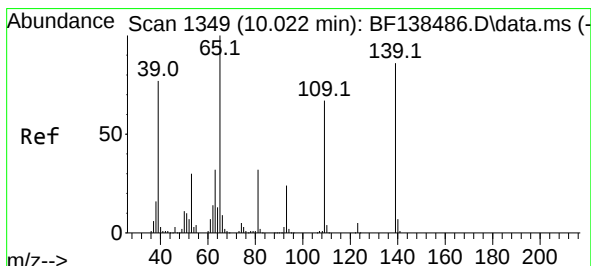
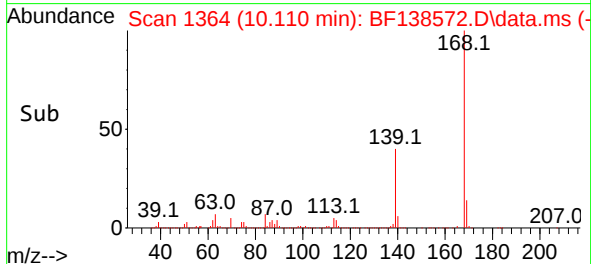
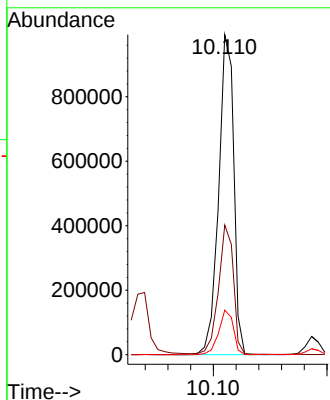
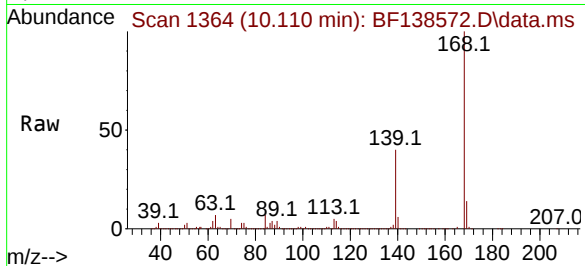




#55  
Dibenzenofuran  
Concen: 55.987 ng  
RT: 10.110 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

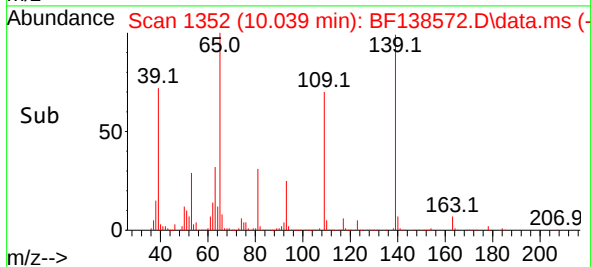
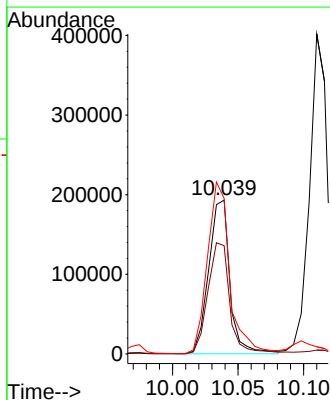
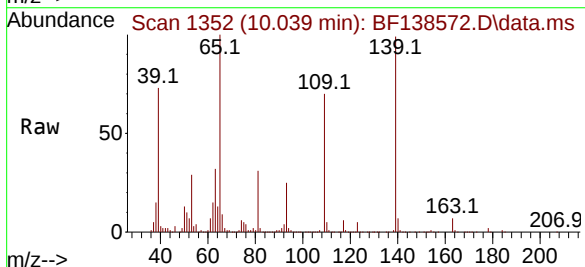
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

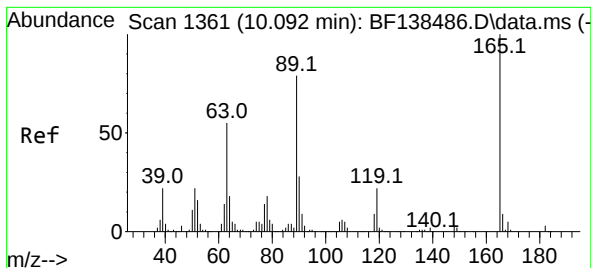
Tgt Ion:168 Resp: 919865  
Ion Ratio Lower Upper  
168 100  
139 40.5 32.4 48.6  
169 13.9 10.9 16.3



#56  
4-Nitrophenol  
Concen: 92.193 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. 0.018 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

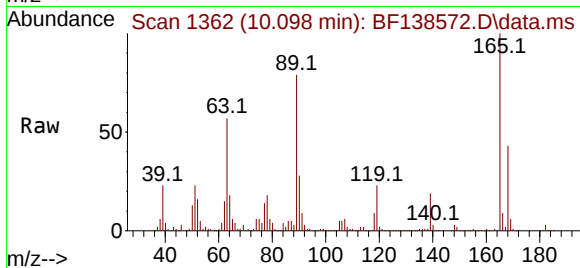
Tgt Ion:139 Resp: 217619  
Ion Ratio Lower Upper  
139 100  
109 70.4 58.1 98.1  
65 101.1 96.9 136.9



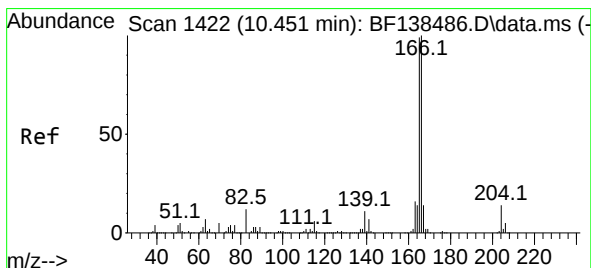
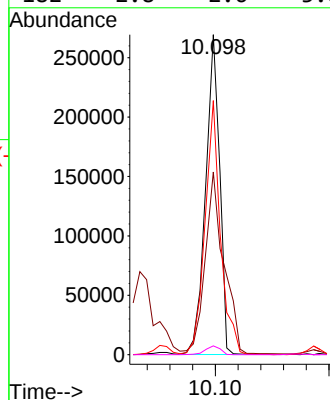
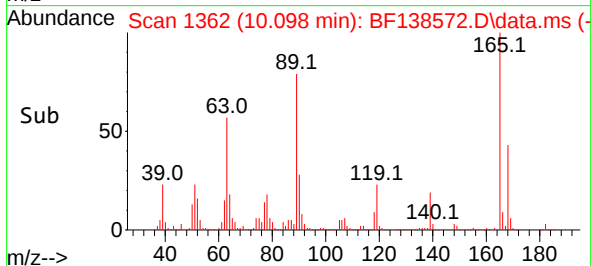


#57  
2,4-Dinitrotoluene  
Concen: 57.093 ng  
RT: 10.098 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

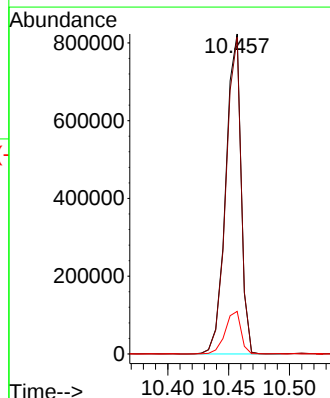
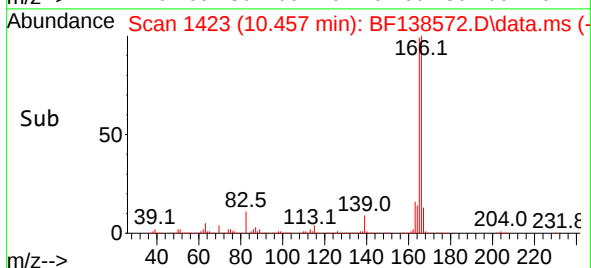
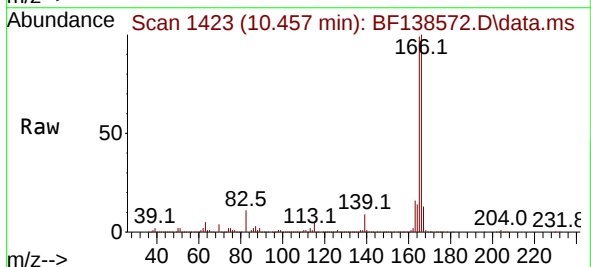


Tgt Ion:165 Resp: 230570  
Ion Ratio Lower Upper  
165 100  
63 57.1 44.6 66.8  
89 79.4 63.4 95.2  
182 2.8 2.6 3.8



#58  
Fluorene  
Concen: 55.242 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:166 Resp: 718164  
Ion Ratio Lower Upper  
166 100  
165 98.9 79.1 118.7  
167 13.3 11.0 16.6

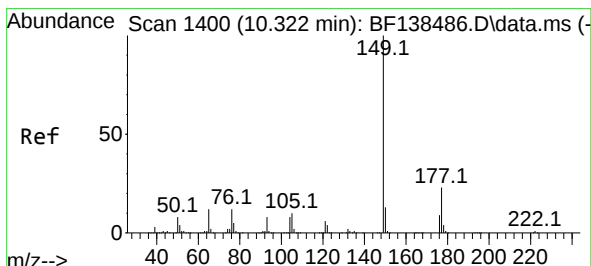
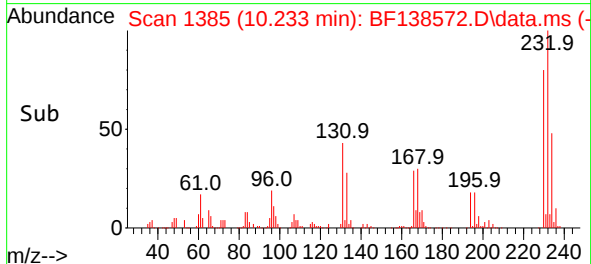
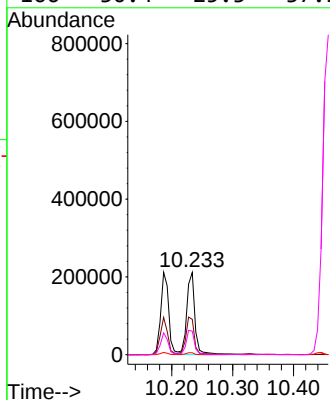
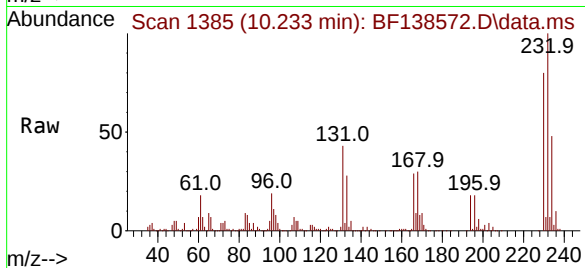




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 60.580 ng  
RT: 10.233 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

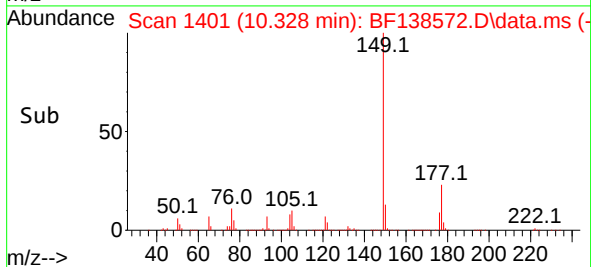
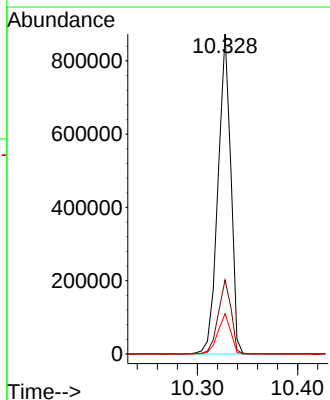
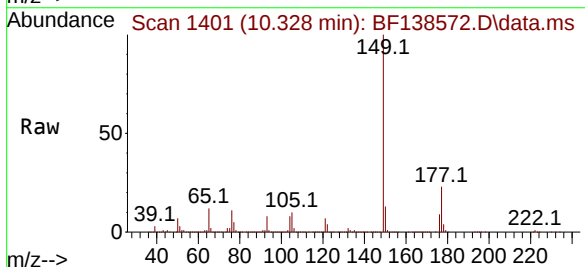
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

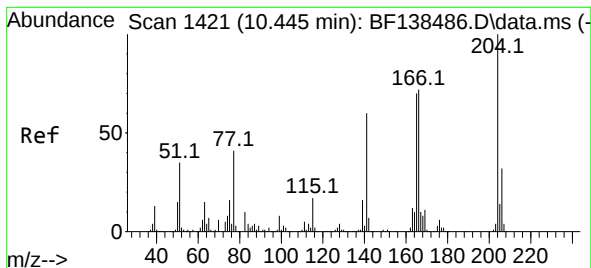
Tgt Ion:232 Resp: 195992  
Ion Ratio Lower Upper  
232 100  
131 46.6 37.5 56.3  
130 2.5 2.0 3.0  
166 30.4 25.3 37.9



#60  
Diethylphthalate  
Concen: 58.856 ng  
RT: 10.328 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:149 Resp: 769165  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.5 27.7  
150 12.6 10.3 15.5

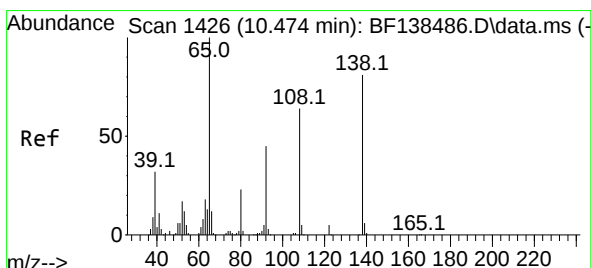
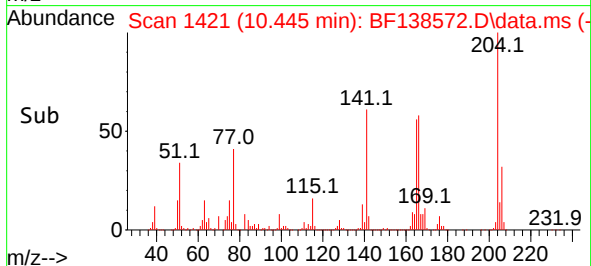
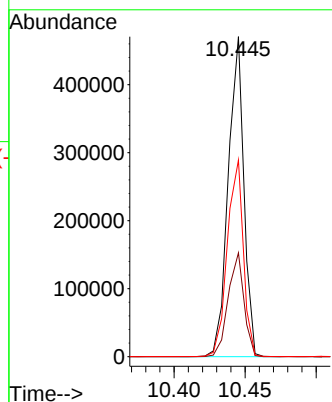
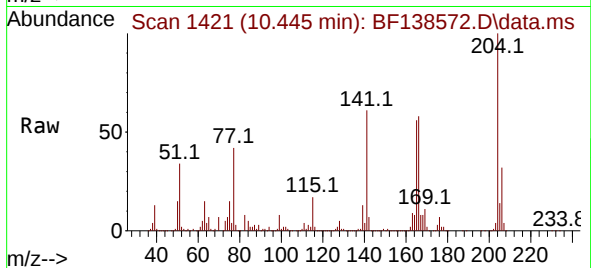




#61  
4-Chlorophenyl-phenylether  
Concen: 55.064 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

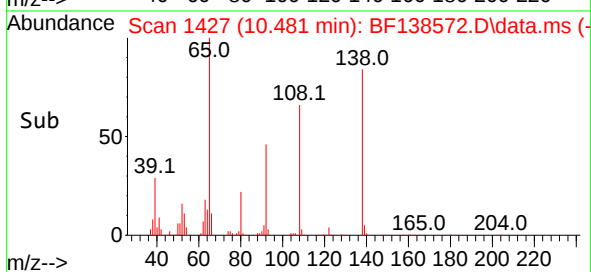
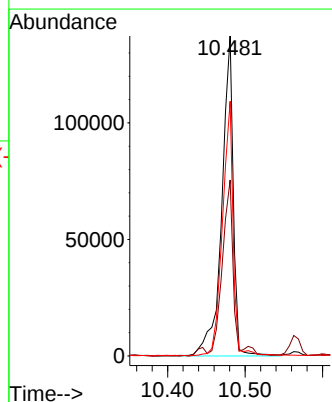
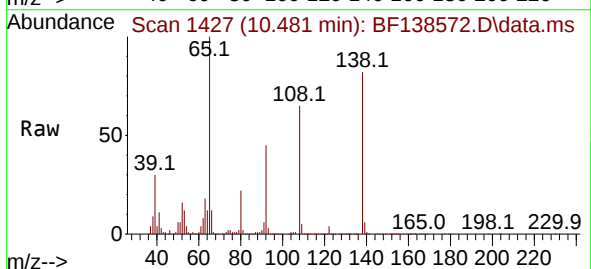
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

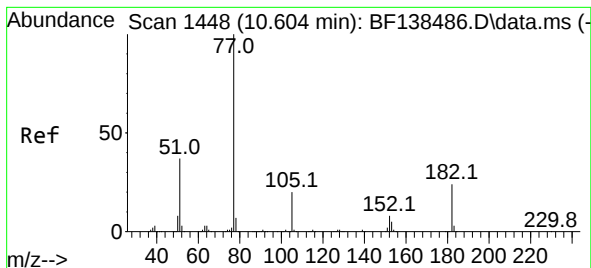
Tgt Ion:204 Resp: 359463  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.6 38.4  
141 61.4 47.7 71.5



#62  
4-Nitroaniline  
Concen: 44.374 ng  
RT: 10.481 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:138 Resp: 142250  
Ion Ratio Lower Upper  
138 100  
92 55.0 35.8 75.8  
108 79.6 59.8 99.8





#63

Azobenzene

Concen: 56.537 ng

RT: 10.604 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

Tgt Ion: 77 Resp: 794372

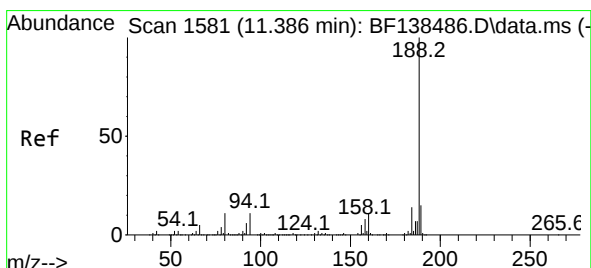
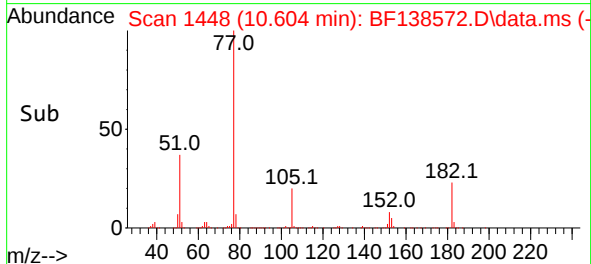
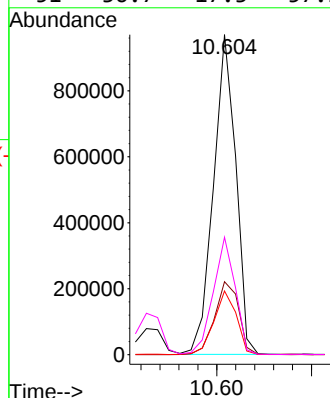
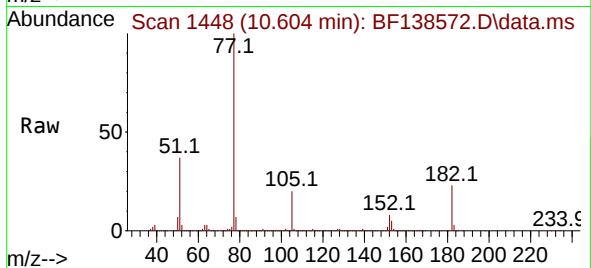
Ion Ratio Lower Upper

77 100

182 22.8 3.8 43.8

105 19.9 0.0 39.8

51 36.7 17.3 57.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

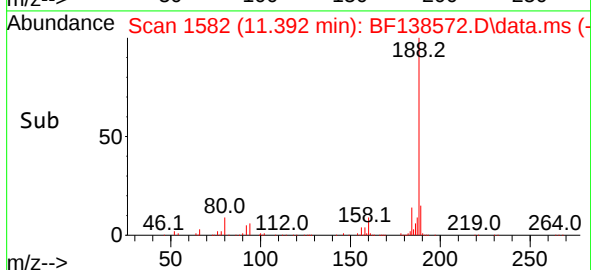
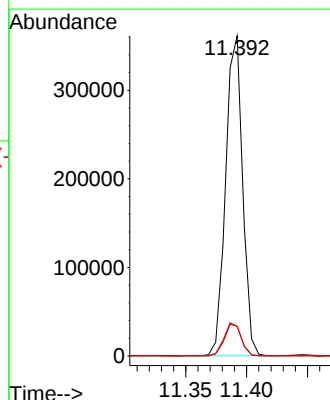
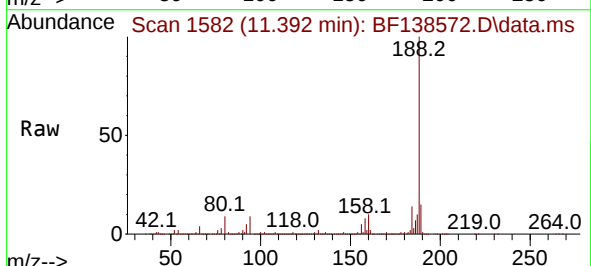
Tgt Ion:188 Resp: 350653

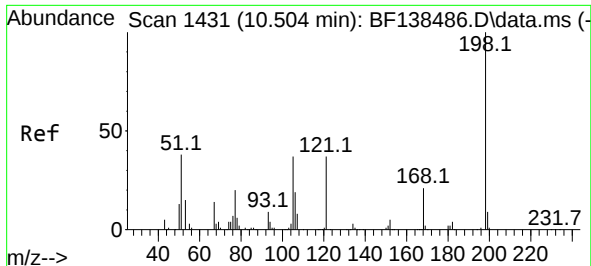
Ion Ratio Lower Upper

188 100

94 9.3 8.7 13.1

80 9.2 9.0 13.4

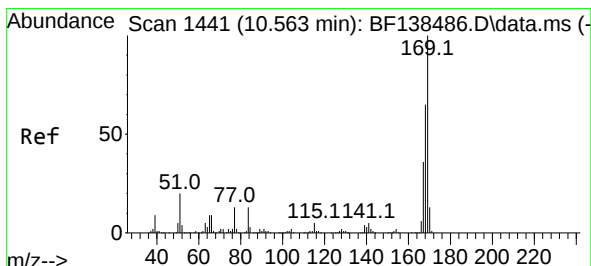
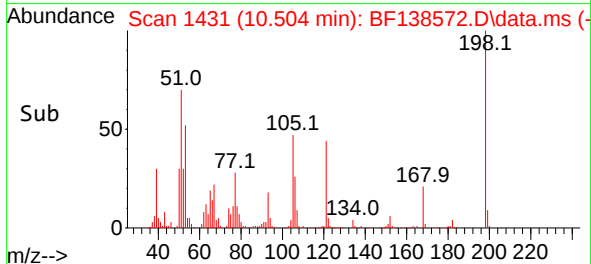
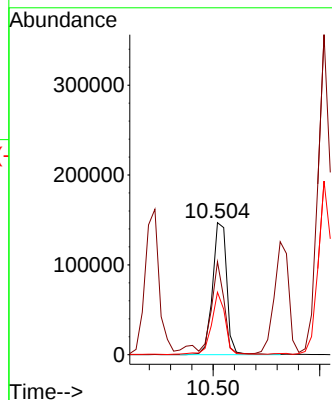
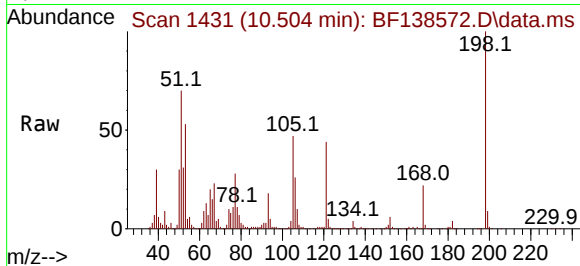




#65  
4,6-Dinitro-2-methylphenol  
Concen: 67.115 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

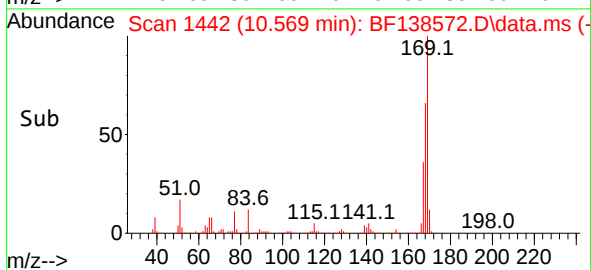
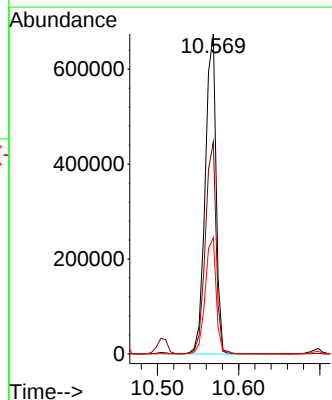
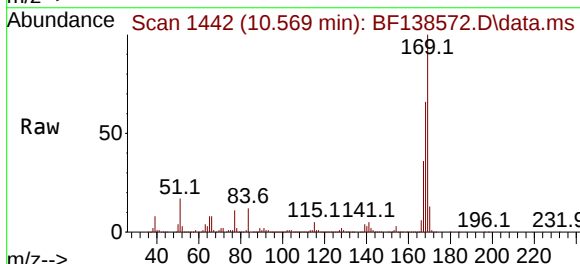
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

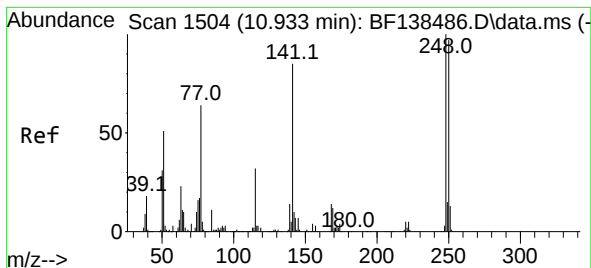
Tgt Ion:198 Resp: 135887  
Ion Ratio Lower Upper  
198 100  
51 70.4 27.2 67.2#  
105 47.3 18.5 58.5



#66  
n-Nitrosodiphenylamine  
Concen: 59.334 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:169 Resp: 623348  
Ion Ratio Lower Upper  
169 100  
168 66.3 51.7 77.5  
167 36.4 28.5 42.7

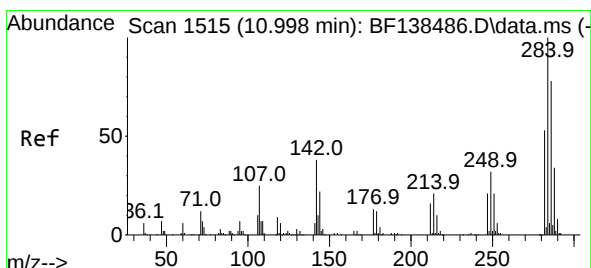
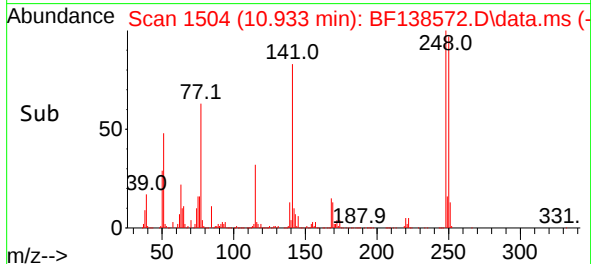
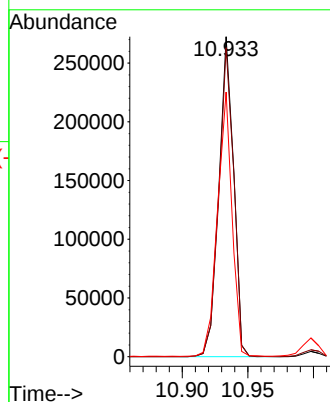
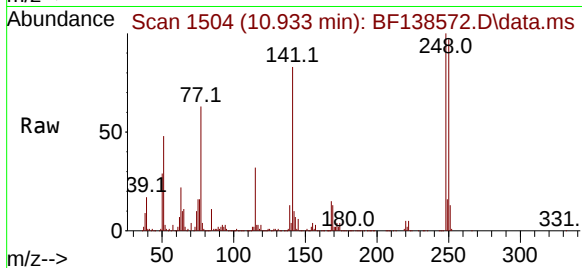




#67  
4-Bromophenyl-phenylether  
Concen: 59.236 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

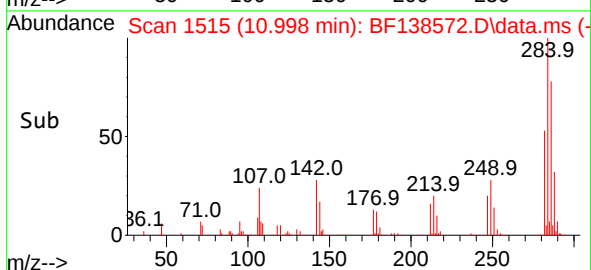
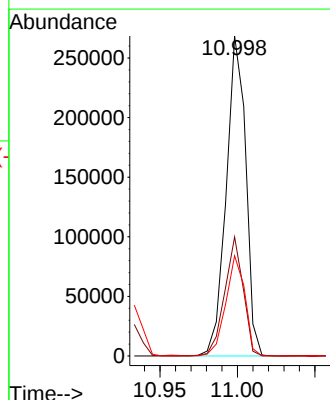
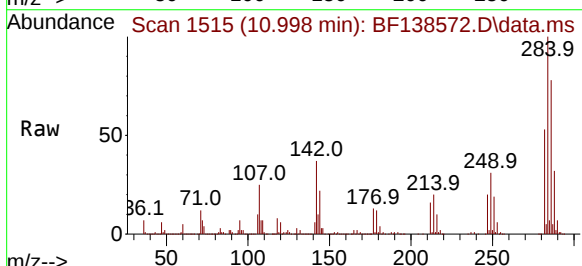
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

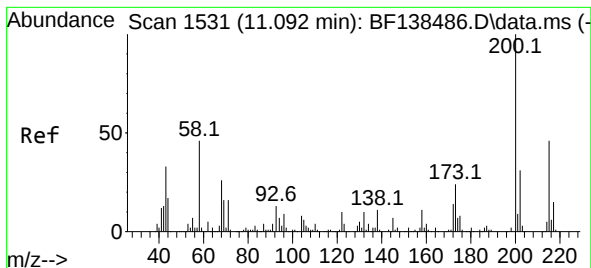
Tgt Ion:248 Resp: 213490  
Ion Ratio Lower Upper  
248 100  
250 96.5 77.9 116.9  
141 82.7 67.7 101.5



#68  
Hexachlorobenzene  
Concen: 58.734 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:284 Resp: 235160  
Ion Ratio Lower Upper  
284 100  
142 37.2 30.5 45.7  
249 31.3 25.9 38.9





#69

Atrazine

Concen: 39.901 ng

RT: 11.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

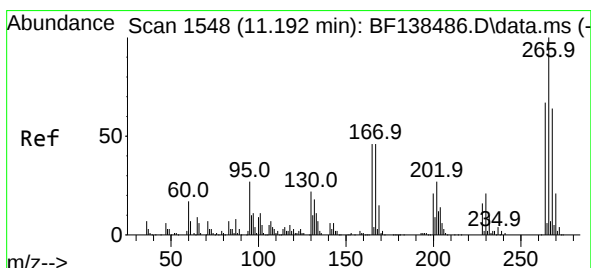
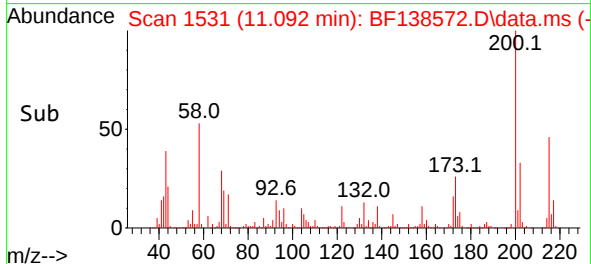
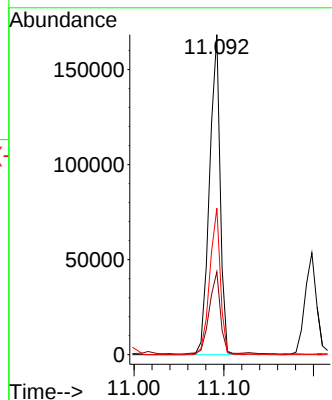
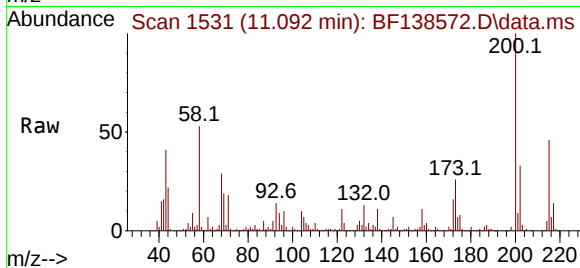
Tgt Ion:200 Resp: 138982

Ion Ratio Lower Upper

200 100

173 25.9 4.1 44.1

215 45.7 26.5 66.5



#70

Pentachlorophenol

Concen: 108.980 ng

RT: 11.198 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

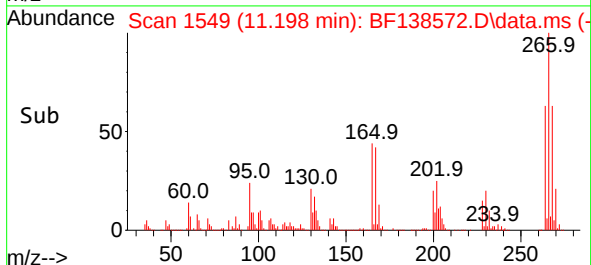
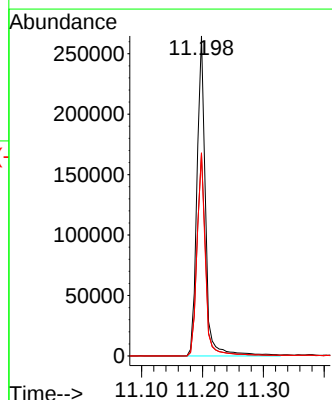
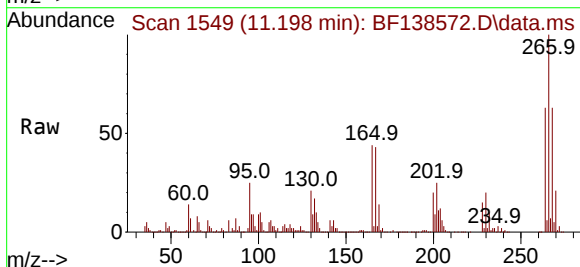
Tgt Ion:266 Resp: 258193

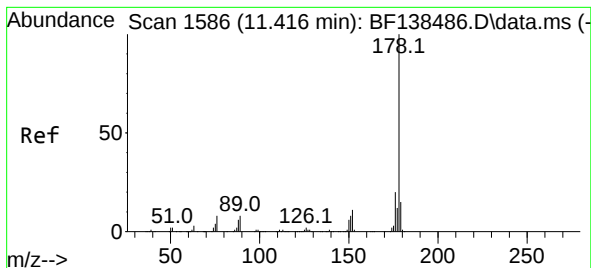
Ion Ratio Lower Upper

266 100

268 63.4 50.9 76.3

264 63.5 53.5 80.3





#71

Phenanthrene

Concen: 56.888 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

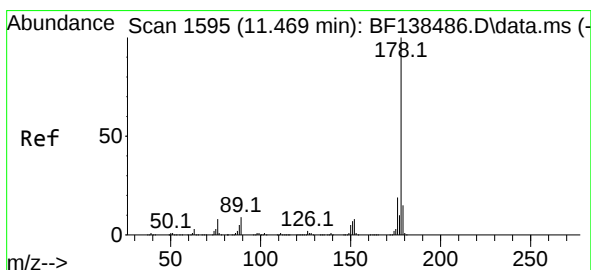
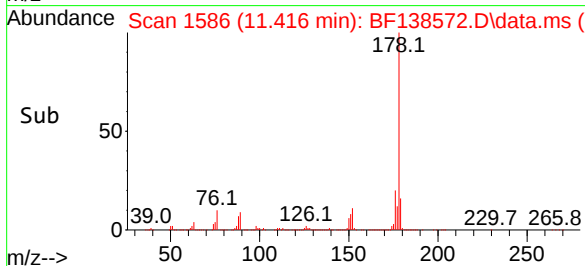
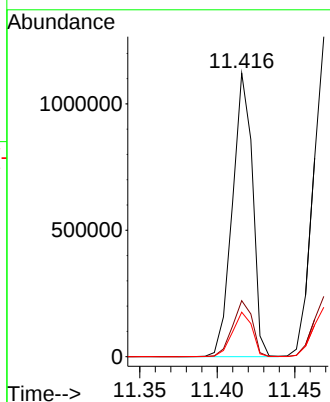
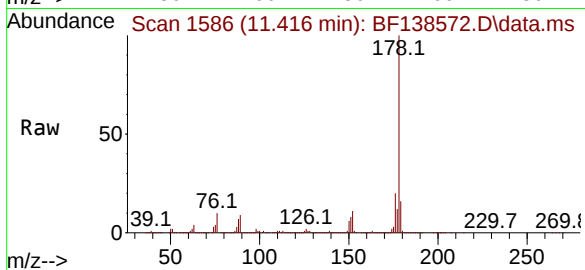
Tgt Ion:178 Resp: 1007789

Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

179 15.7 12.2 18.2



#72

Anthracene

Concen: 58.321 ng

RT: 11.469 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

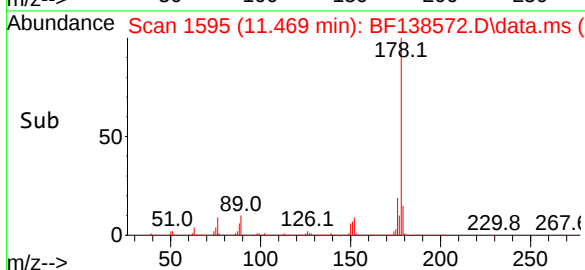
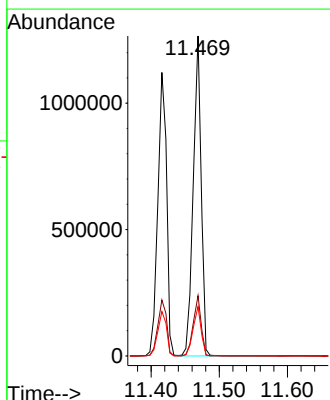
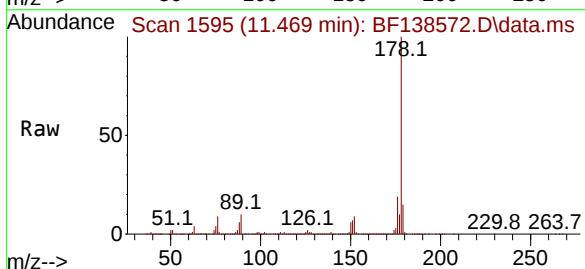
Tgt Ion:178 Resp: 1025585

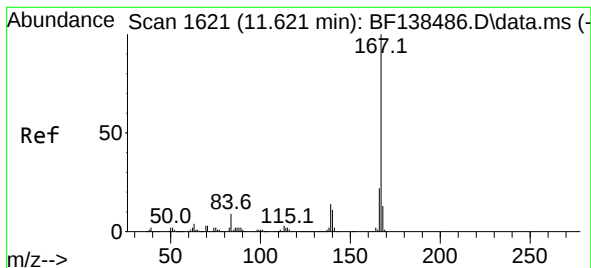
Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 15.4 12.2 18.4





#73

Carbazole

Concen: 50.606 ng

RT: 11.622 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

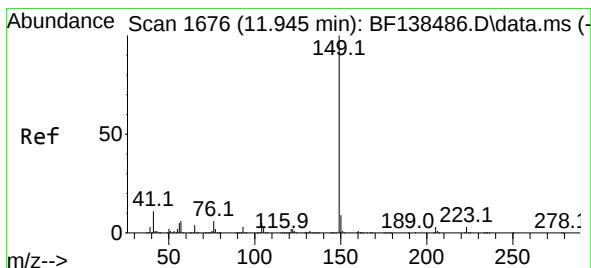
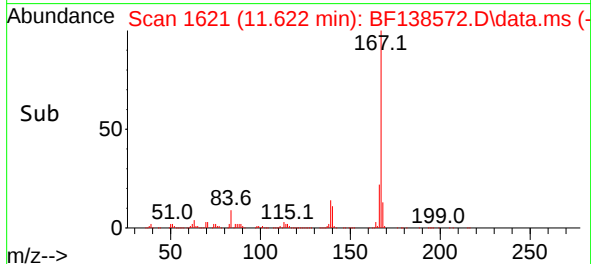
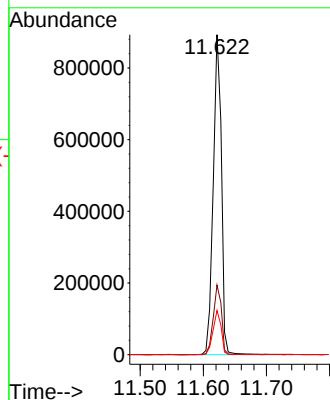
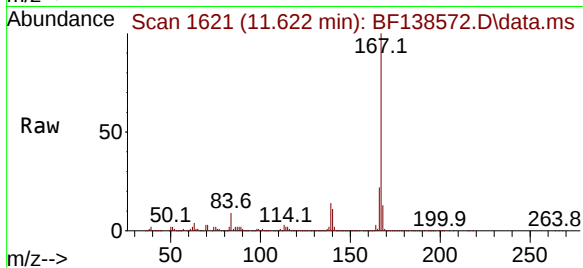
Tgt Ion:167 Resp: 799748

Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.6

139 13.8 11.0 16.4



#74

Di-n-butylphthalate

Concen: 57.955 ng

RT: 11.945 min Scan# 1676

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

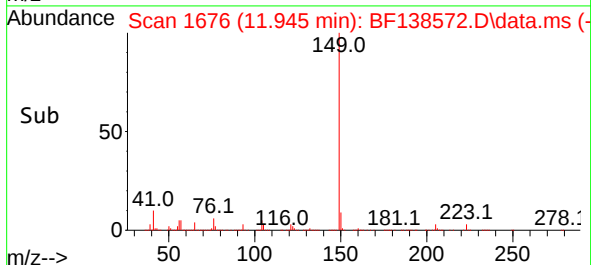
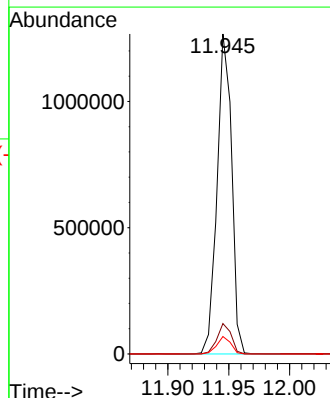
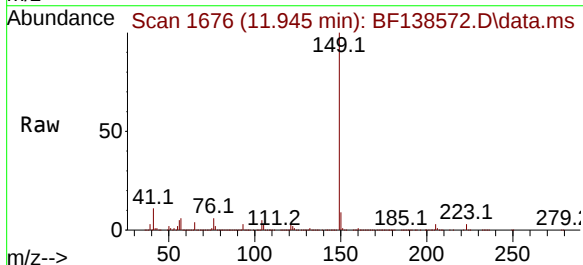
Tgt Ion:149 Resp: 1055718

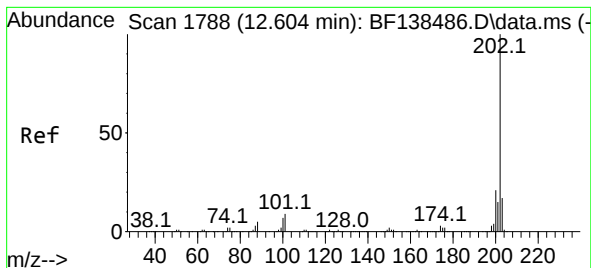
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 5.5 4.4 6.6





#75

Fluoranthene

Concen: 49.569 ng

RT: 12.604 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

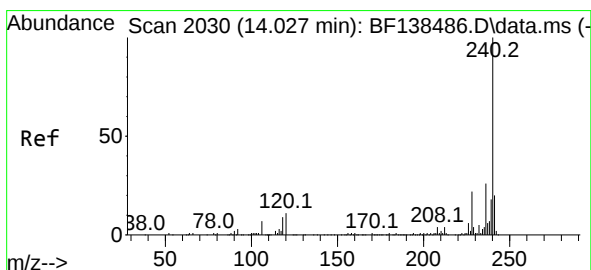
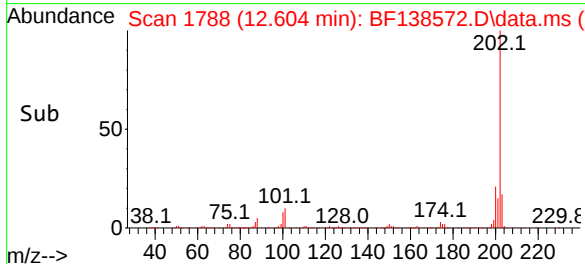
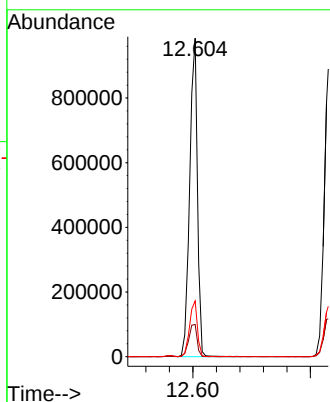
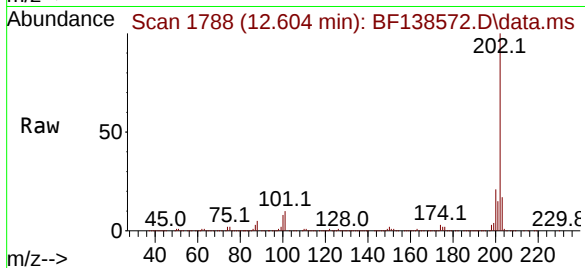
Tgt Ion:202 Resp: 896046

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.2

203 17.5 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

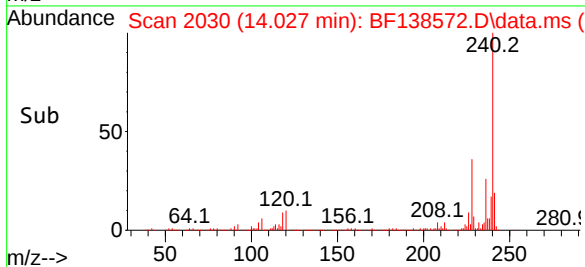
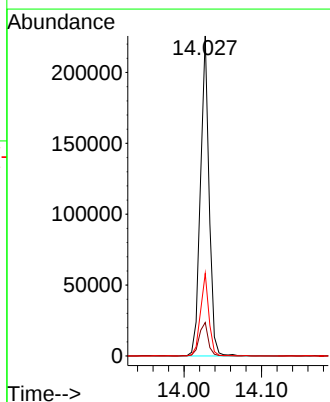
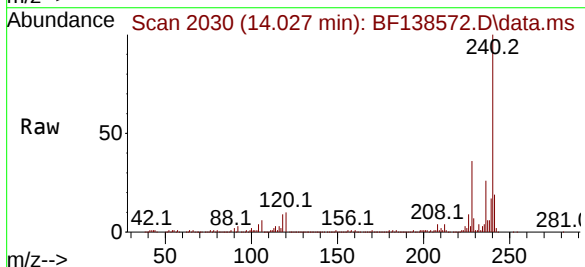
Tgt Ion:240 Resp: 174506

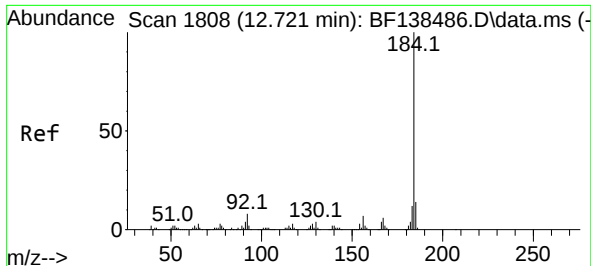
Ion Ratio Lower Upper

240 100

120 10.5 8.6 12.8

236 25.8 21.0 31.6

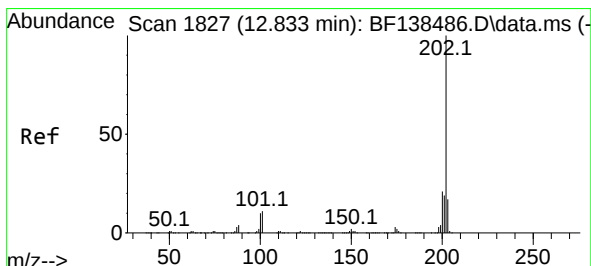
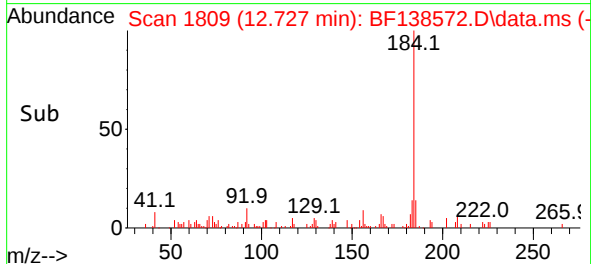
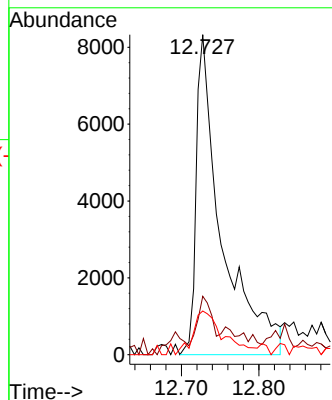
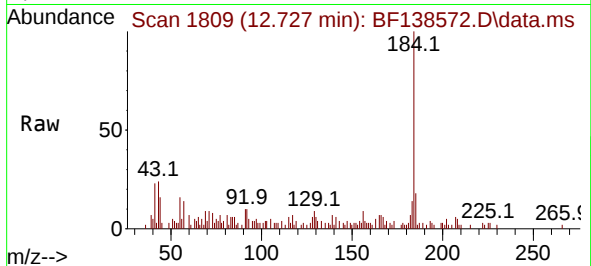




#77  
Benzidine  
Concen: 4.314 ng  
RT: 12.727 min Scan# 1809  
Delta R.T. 0.006 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

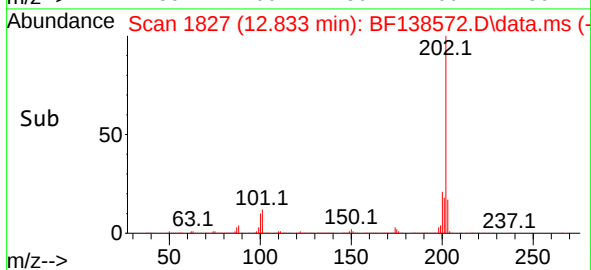
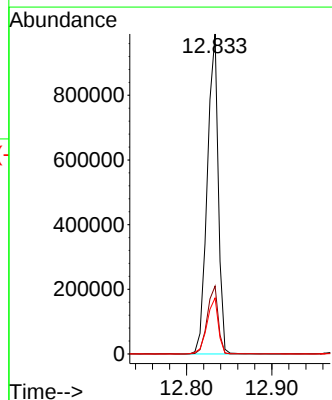
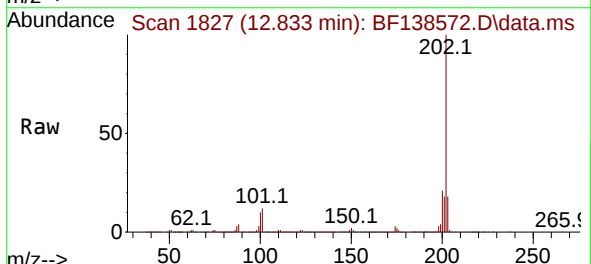
Instrument :  
BNA\_F  
ClientSampleId :  
20071MSD

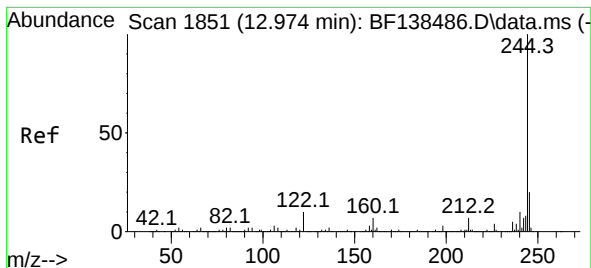
Tgt Ion:184 Resp: 18993  
Ion Ratio Lower Upper  
184 100  
185 18.2 11.3 16.9#  
183 13.7 9.5 14.3



#78  
Pyrene  
Concen: 49.769 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: BF138572.D  
Acq: 15 Jul 2024 17:11

Tgt Ion:202 Resp: 881651  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.6  
203 17.5 13.7 20.5





#79

Terphenyl-d14

Concen: 106.649 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

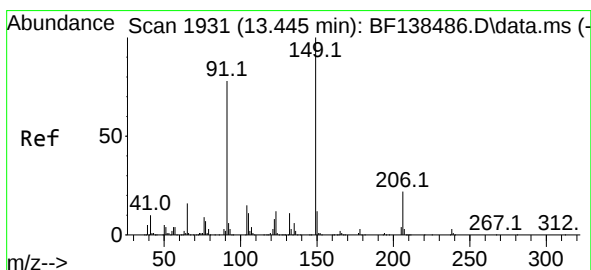
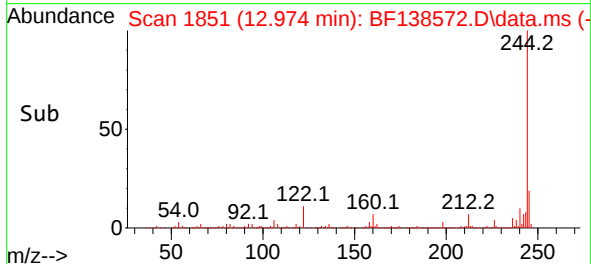
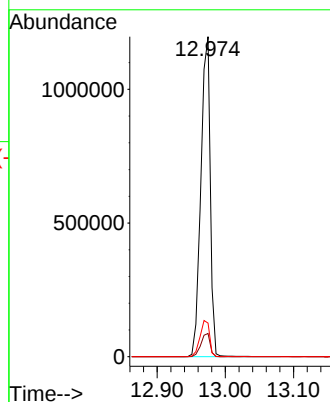
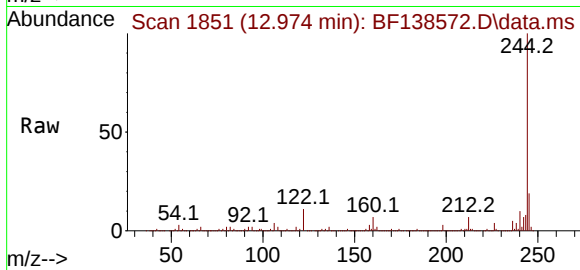
Tgt Ion:244 Resp: 1142395

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

122 10.5 7.8 11.8



#80

Butylbenzylphthalate

Concen: 60.568 ng

RT: 13.445 min Scan# 1931

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

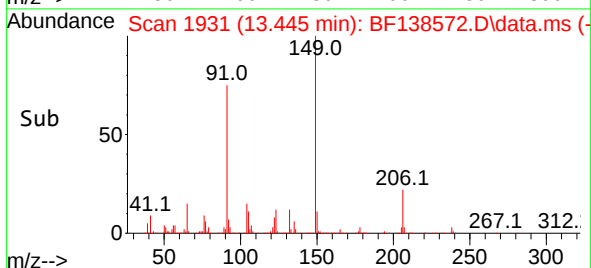
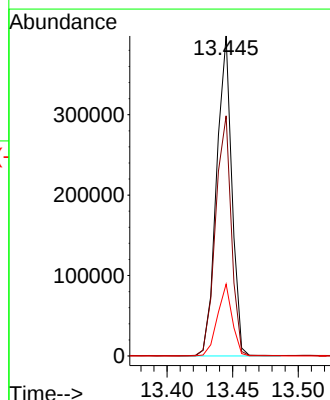
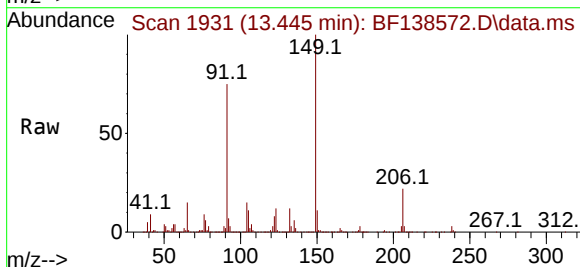
Tgt Ion:149 Resp: 322761

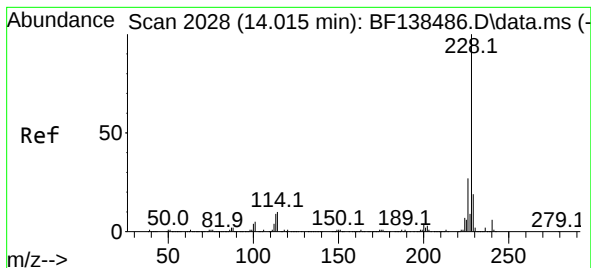
Ion Ratio Lower Upper

149 100

91 75.0 62.1 93.1

206 22.5 18.0 27.0





#81

Benzo(a)anthracene

Concen: 57.465 ng

RT: 14.016 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

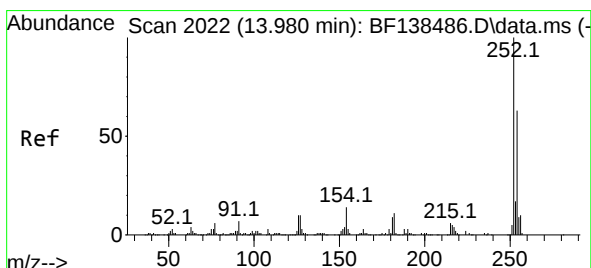
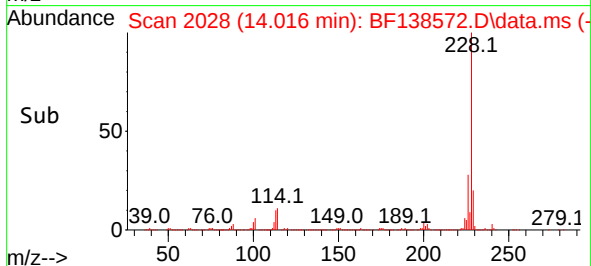
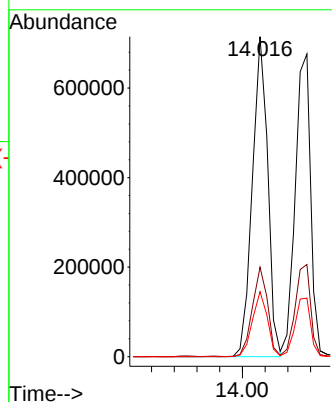
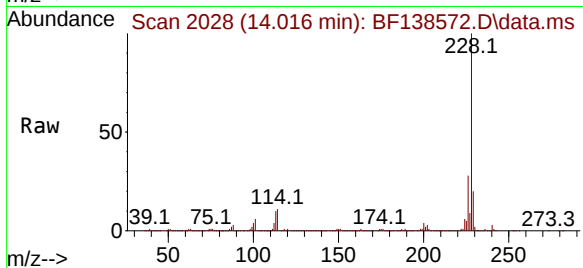
Tgt Ion:228 Resp: 672877

Ion Ratio Lower Upper

228 100

226 27.9 21.9 32.9

229 20.3 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 18.684 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

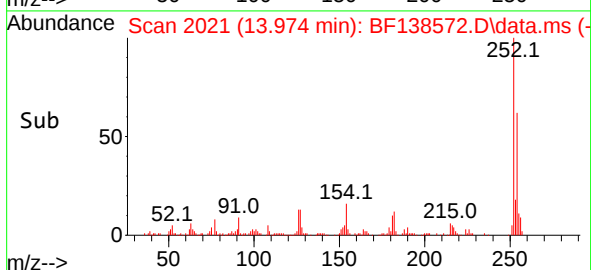
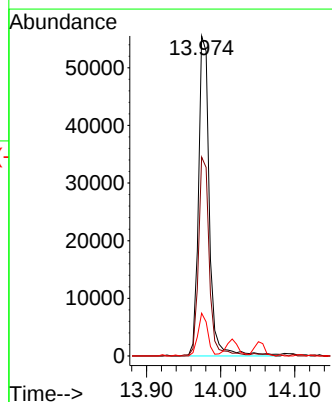
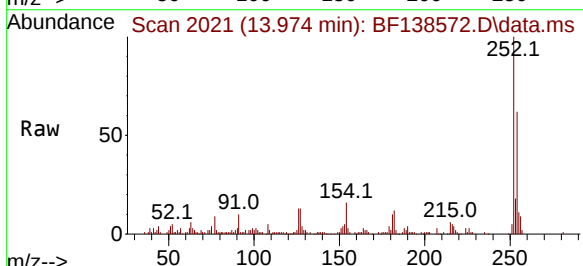
Tgt Ion:252 Resp: 56373

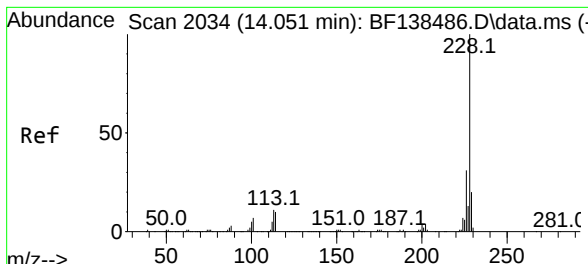
Ion Ratio Lower Upper

252 100

254 62.2 50.3 75.5

126 13.3 8.1 12.1#



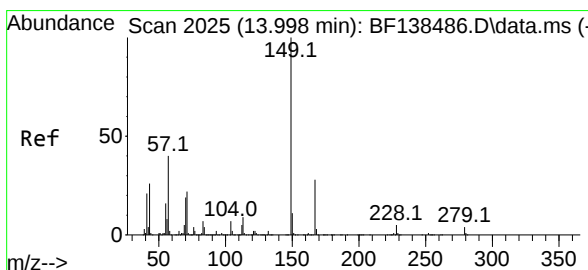
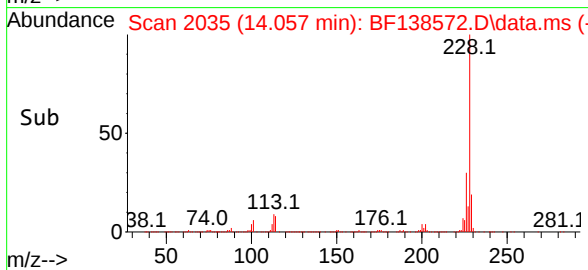
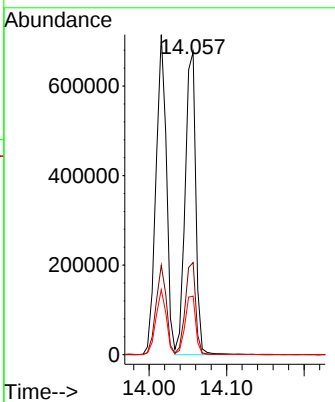
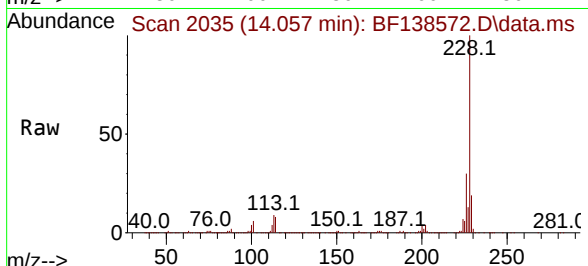


#83  
 Chrysene  
 Concen: 57.757 ng  
 RT: 14.057 min Scan# 2035  
 Delta R.T. 0.006 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20071MSD

Tgt Ion:228 Resp: 639776

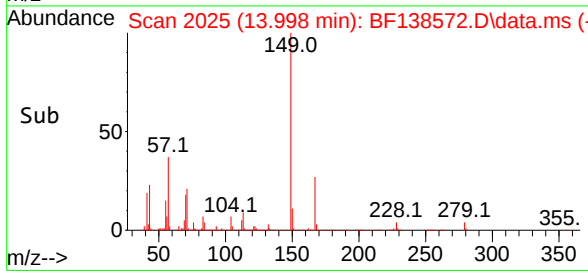
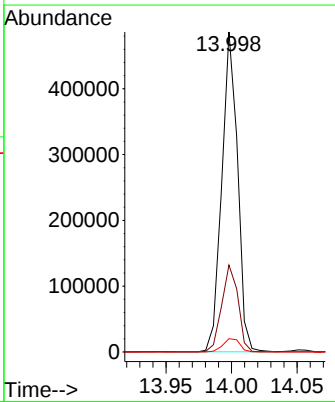
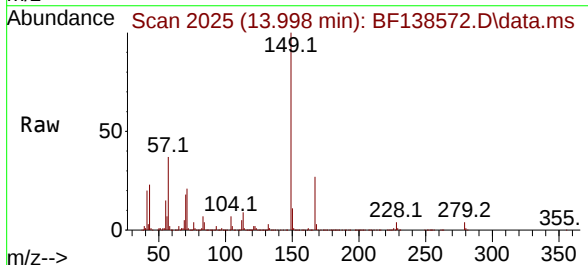
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.4  | 24.4  | 36.6  |
| 229 | 19.4  | 16.0  | 24.0  |

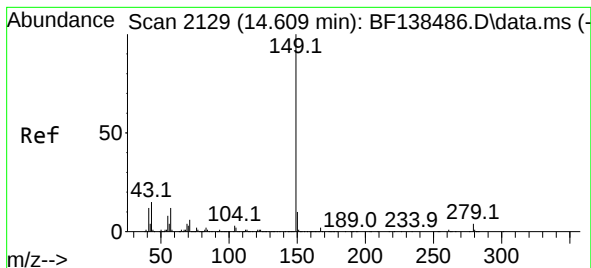


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 71.425 ng  
 RT: 13.998 min Scan# 2025  
 Delta R.T. 0.000 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

Tgt Ion:149 Resp: 405938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.1  | 22.5  | 33.7  |
| 279 | 4.2   | 3.0   | 4.6   |





#85

Di-n-octyl phthalate

Concen: 78.403 ng

RT: 14.610 min Scan# 21

Delta R.T. 0.001 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

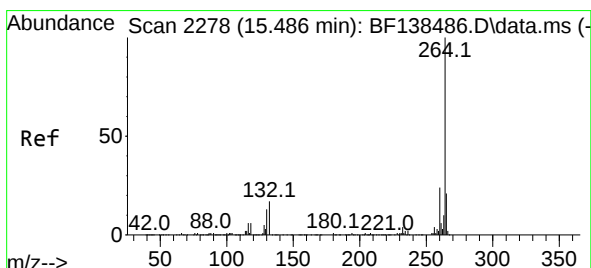
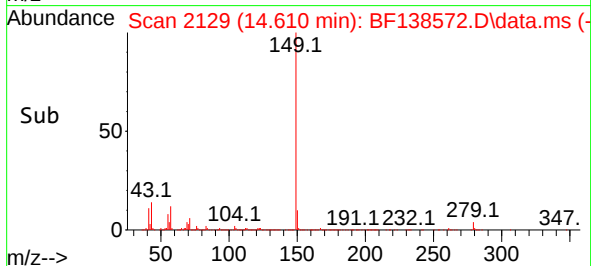
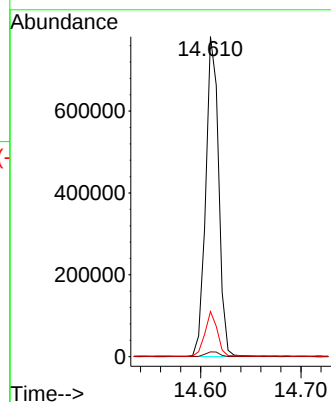
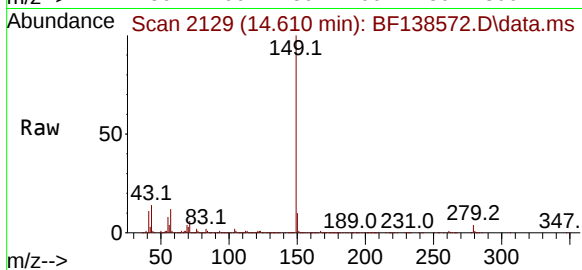
Tgt Ion:149 Resp: 703931

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 13.2 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

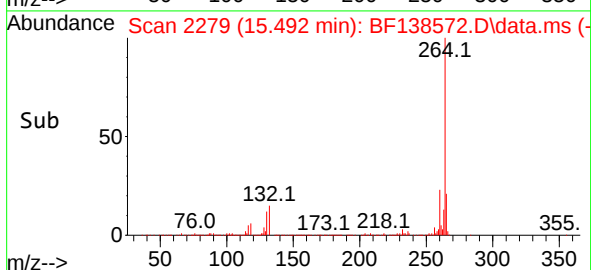
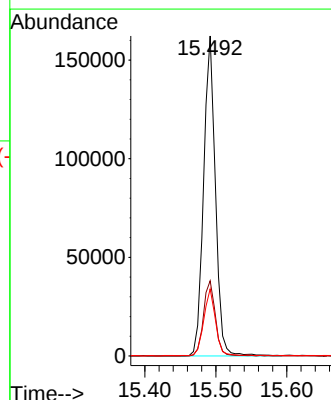
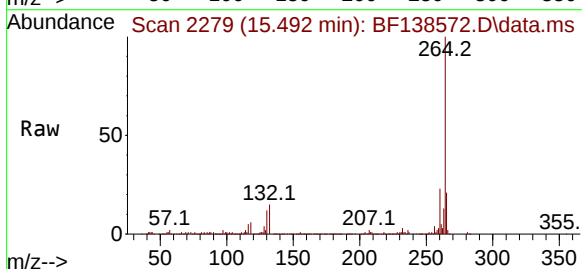
Tgt Ion:264 Resp: 188279

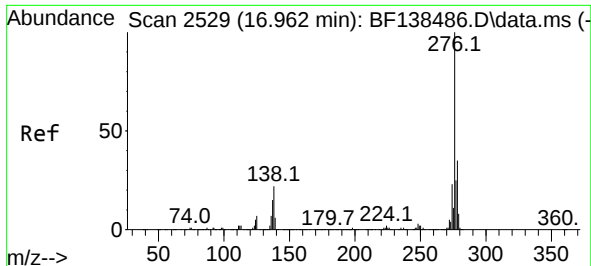
Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.0 17.0 25.4

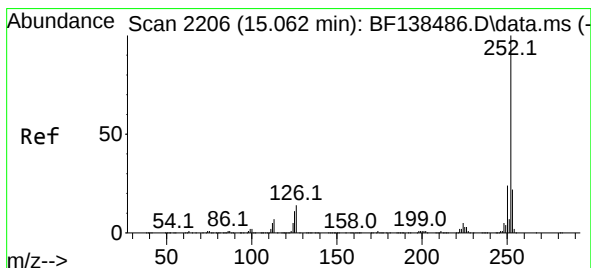
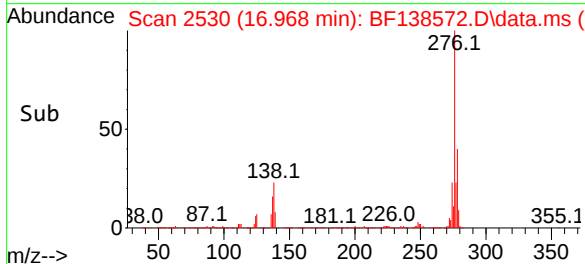
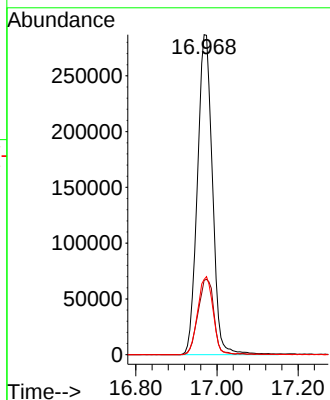
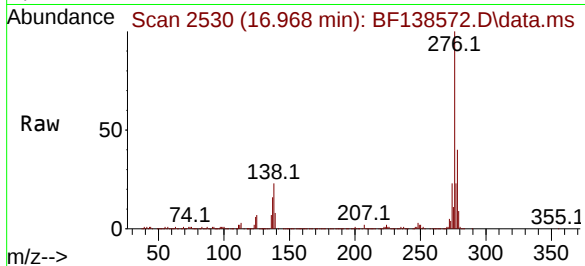




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 58.393 ng  
 RT: 16.968 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

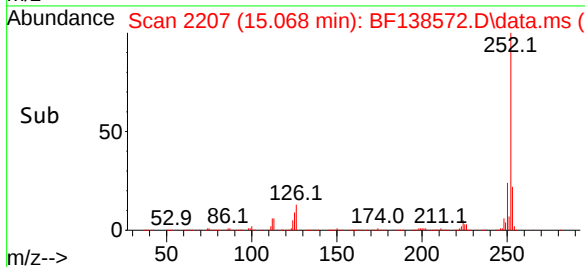
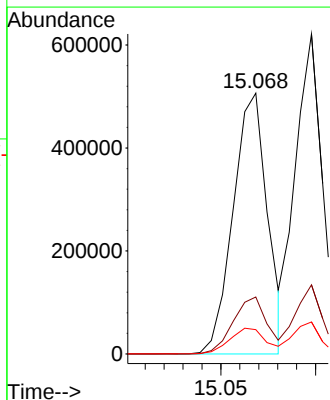
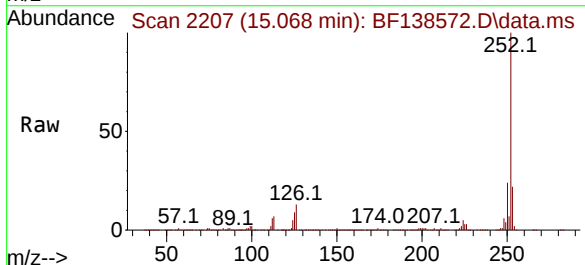
Instrument :  
 BNA\_F  
 ClientSampleId :  
 20071MSD

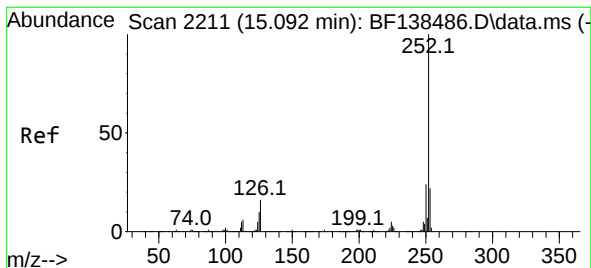
Tgt Ion:276 Resp: 738486  
 Ion Ratio Lower Upper  
 276 100  
 138 24.7 19.6 29.4  
 277 25.1 20.5 30.7



#88  
 Benzo(b)fluoranthene  
 Concen: 60.199 ng  
 RT: 15.068 min Scan# 2207  
 Delta R.T. 0.006 min  
 Lab File: BF138572.D  
 Acq: 15 Jul 2024 17:11

Tgt Ion:252 Resp: 638310  
 Ion Ratio Lower Upper  
 252 100  
 253 21.8 17.3 25.9  
 125 9.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 59.375 ng

RT: 15.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

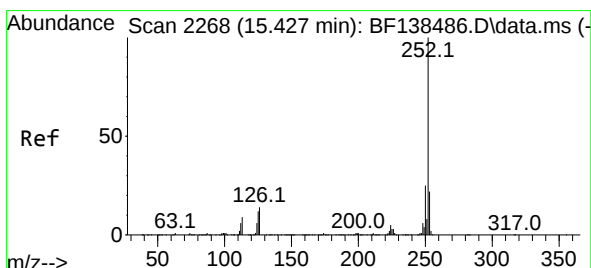
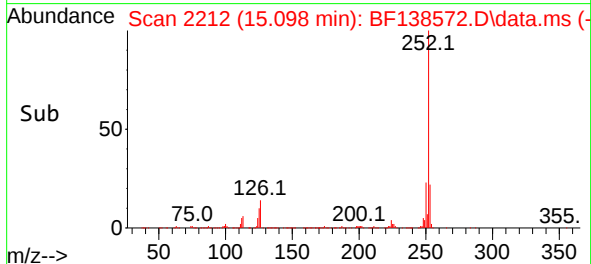
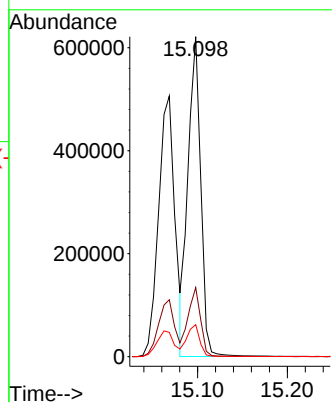
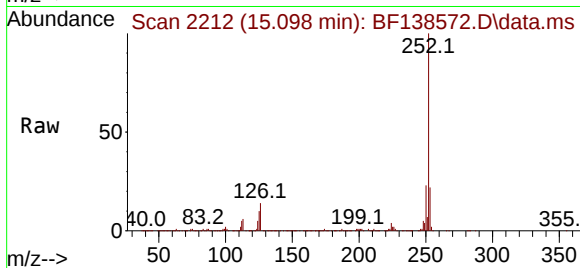
Tgt Ion:252 Resp: 614017

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 10.0 8.1 12.1



#90

Benzo(a)pyrene

Concen: 61.114 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

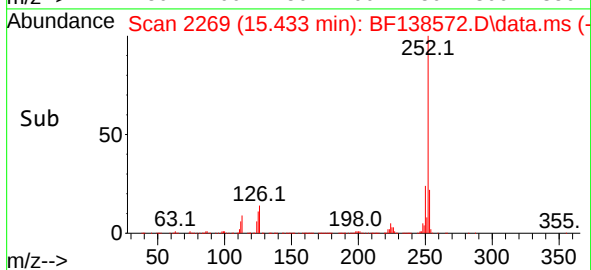
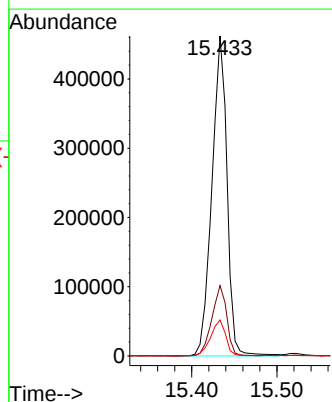
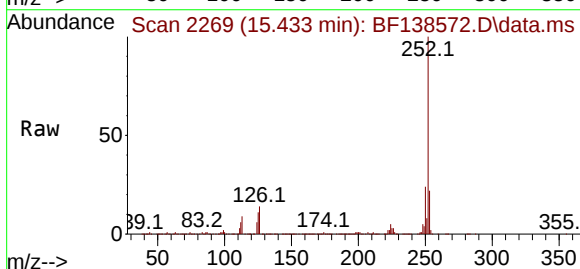
Tgt Ion:252 Resp: 569248

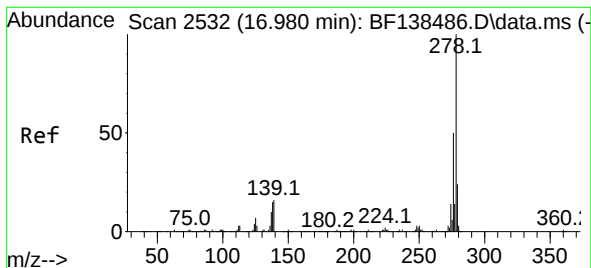
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 11.2 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 58.767 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.006 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Instrument :

BNA\_F

ClientSampleId :

20071MSD

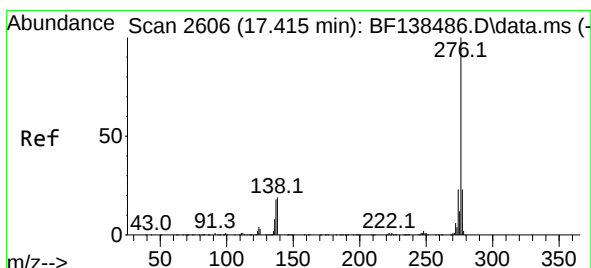
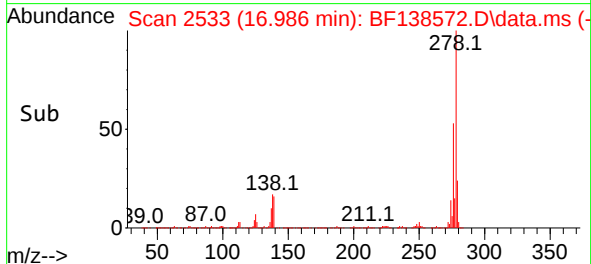
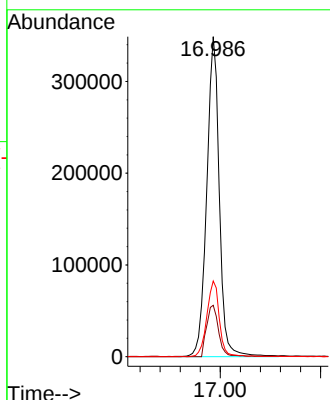
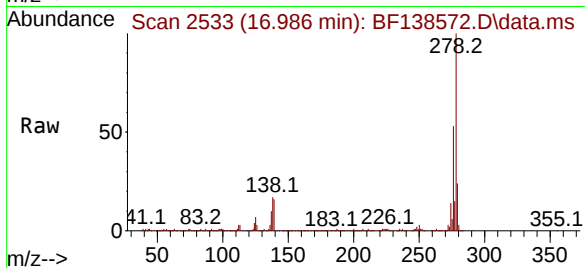
Tgt Ion:278 Resp: 607957

Ion Ratio Lower Upper

278 100

139 16.0 12.8 19.2

279 23.7 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 48.744 ng

RT: 17.415 min Scan# 2606

Delta R.T. 0.000 min

Lab File: BF138572.D

Acq: 15 Jul 2024 17:11

Tgt Ion:276 Resp: 534717

Ion Ratio Lower Upper

276 100

277 23.3 18.0 27.0

138 23.4 15.5 23.3#

