

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101722\  
 Data File : BF130685.D  
 Acq On : 17 Oct 2022 14:17  
 Operator : CG\JU  
 Sample : PB148379BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148379BSD

Quant Time: Oct 18 03:20:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 18 03:15:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.575  | 152  | 81336    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.857  | 136  | 317683   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.610  | 164  | 166169   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.086 | 188  | 299023   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.722 | 240  | 233113   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.092 | 264  | 157123   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.187  | 112  | 644465   | 142.824 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.234  | 99   | 775871   | 136.761 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.151  | 82   | 486919   | 83.672  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.398 | 330  | 250856   | 154.282 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 8.939  | 172  | 980899   | 89.416  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.675 | 244  | 1193011  | 84.941  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.210  | 88   | 71966    | 26.362  | ng    | 99       |
| 3) Pyridine                   | 2.875  | 79   | 177712   | 36.393  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 2.834  | 42   | 109958   | 47.792  | ng    | 95       |
| 6) Aniline                    | 6.240  | 93   | 267647   | 39.406  | ng    | # 79     |
| 8) 2-Chlorophenol             | 6.363  | 128  | 250432   | 47.194  | ng    | 97       |
| 9) Benzaldehyde               | 6.122  | 77   | 139129   | 39.034  | ng    | 95       |
| 10) Phenol                    | 6.245  | 94   | 295944   | 45.084  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.322  | 93   | 220613   | 46.267  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.510  | 146  | 266728   | 45.908  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.593  | 146  | 275980   | 46.822  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.740  | 146  | 261720   | 47.677  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.734  | 79   | 182593   | 44.829  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.863  | 45   | 267695   | 43.638  | ng    | 87       |
| 17) 2-Methylphenol            | 6.851  | 107  | 190060   | 45.027  | ng    | 96       |
| 18) Hexachloroethane          | 7.081  | 117  | 102749   | 46.079  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.004  | 70   | 160561   | 43.866  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.004  | 107  | 246053   | 43.502  | ng    | 97       |
| 22) Acetophenone              | 6.998  | 105  | 345302   | 45.310  | ng    | # 97     |
| 24) Nitrobenzene              | 7.169  | 77   | 249673   | 42.662  | ng    | 98       |
| 25) Isophorone                | 7.410  | 82   | 437862   | 45.208  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.481  | 139  | 133202   | 46.412  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.528  | 122  | 202163   | 50.540  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.622  | 93   | 264785   | 47.214  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.728  | 162  | 202949   | 45.348  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.804  | 180  | 215821   | 44.732  | ng    | 99       |
| 31) Naphthalene               | 7.881  | 128  | 713856   | 43.410  | ng    | 99       |
| 32) Benzoic acid              | 7.698  | 122  | 106272   | 41.995  | ng    | 95       |
| 33) 4-Chloroaniline           | 7.940  | 127  | 212127   | 33.300  | ng    | 100      |
| 34) Hexachlorobutadiene       | 7.992  | 225  | 138777   | 46.343  | ng    | 99       |
| 35) Caprolactam               | 8.322  | 113  | 33607    | 24.959  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.439  | 107  | 215022   | 44.294  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.569  | 142  | 468221   | 45.245  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.669  | 142  | 438755   | 43.674  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.734  | 216  | 219120   | 48.603  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.722  | 237  | 157277   | 89.871  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 8.857  | 196  | 133886   | 44.229  | ng    | 99       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 18 03:15:54 2022  
 Response via : Initial Calibration

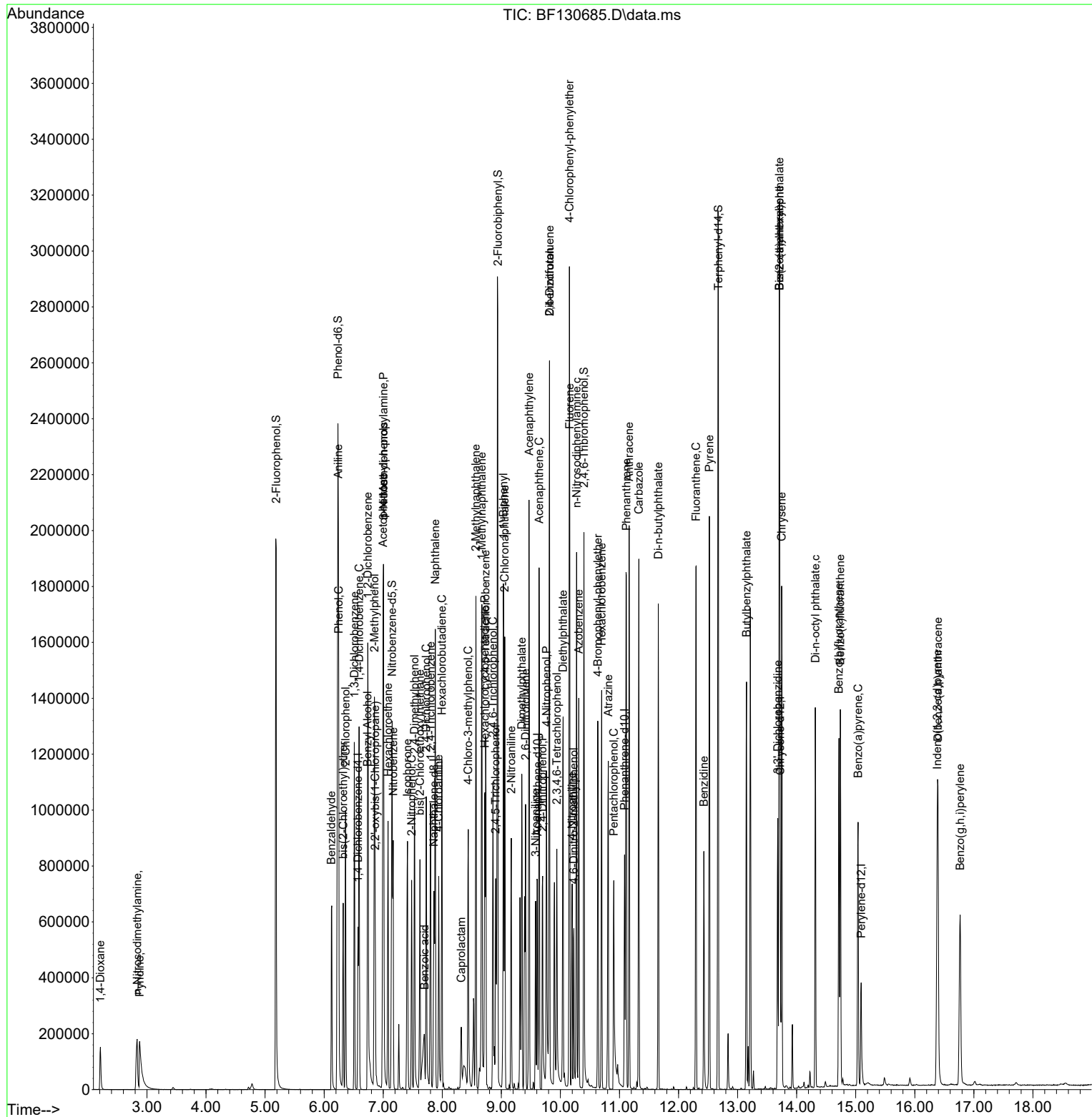
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 8.904  | 196  | 146928   | 44.136 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.034  | 154  | 572095   | 47.506 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.057  | 162  | 447747   | 45.492 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.169  | 65   | 133231   | 44.968 | ng    | 99       |
| 49) Acenaphthylene            | 9.469  | 152  | 664383   | 45.052 | ng    | 99       |
| 50) Dimethylphthalate         | 9.345  | 163  | 519921   | 45.200 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.410  | 165  | 116721   | 46.259 | ng    | 98       |
| 52) Acenaphthene              | 9.639  | 154  | 404859   | 45.313 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.581  | 138  | 95516    | 34.534 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.698  | 184  | 114983   | 88.843 | ng    | 98       |
| 55) Dibenzofuran              | 9.816  | 168  | 617398   | 45.360 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.763  | 139  | 134155   | 87.970 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 159391   | 49.152 | ng    | 91       |
| 58) Fluorene                  | 10.157 | 166  | 508555   | 45.447 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 9.939  | 232  | 121172   | 45.657 | ng    | 96       |
| 60) Diethylphthalate          | 10.045 | 149  | 509670   | 44.409 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.151 | 204  | 234778   | 46.407 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.198 | 138  | 120332   | 45.568 | ng    | 98       |
| 63) Azobenzene                | 10.310 | 77   | 459585   | 42.516 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.228 | 198  | 84007    | 44.956 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.275 | 169  | 436639   | 43.898 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.633 | 248  | 153601   | 45.398 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.698 | 284  | 179669   | 46.976 | ng    | 93       |
| 69) Atrazine                  | 10.810 | 200  | 147185   | 54.341 | ng    | 97       |
| 70) Pentachlorophenol         | 10.904 | 266  | 137467   | 92.348 | ng    | 97       |
| 71) Phenanthrene              | 11.116 | 178  | 742609   | 44.825 | ng    | 100      |
| 72) Anthracene                | 11.163 | 178  | 742690   | 45.902 | ng    | 99       |
| 73) Carbazole                 | 11.328 | 167  | 696813   | 48.264 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.657 | 149  | 807538   | 46.175 | ng    | 100      |
| 75) Fluoranthene              | 12.298 | 202  | 799815   | 50.232 | ng    | 99       |
| 77) Benzidine                 | 12.427 | 184  | 314653   | 53.401 | ng    | 98       |
| 78) Pyrene                    | 12.522 | 202  | 811327   | 40.343 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.151 | 149  | 345739   | 44.709 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.710 | 228  | 691743   | 44.039 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.680 | 252  | 197254   | 43.458 | ng    | # 97     |
| 83) Chrysene                  | 13.745 | 228  | 650023   | 43.647 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.710 | 149  | 443246   | 47.279 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.316 | 149  | 648844   | 45.190 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.380 | 276  | 533711   | 45.383 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.716 | 252  | 542363   | 54.512 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.739 | 252  | 507117   | 50.058 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.039 | 252  | 426303   | 51.482 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.392 | 278  | 465695   | 48.310 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 16.768 | 276  | 480505   | 53.519 | ng    | 98       |

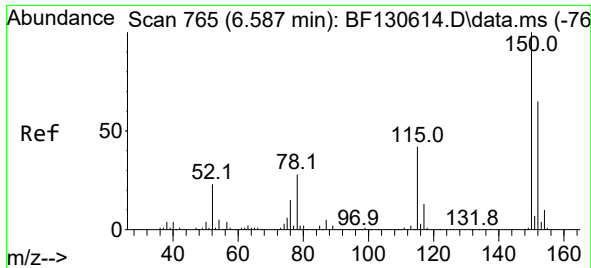
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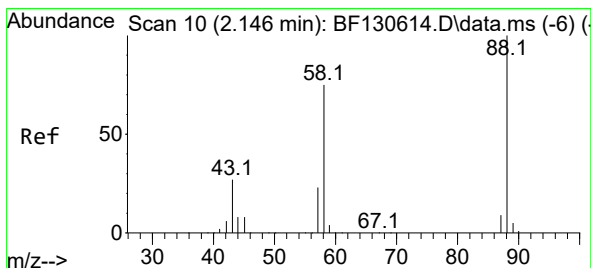
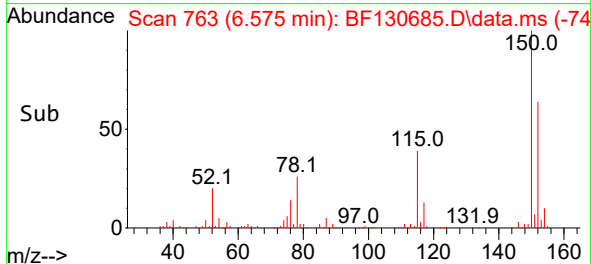
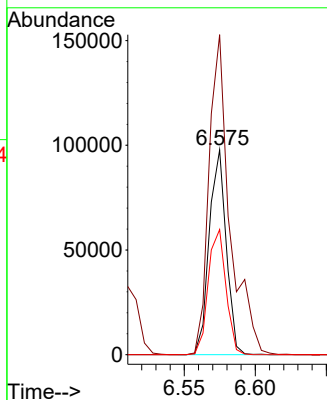
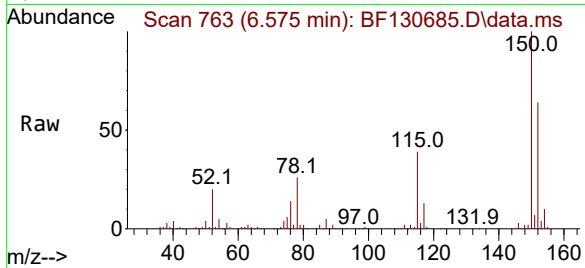




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.575 min Scan# 7  
Delta R.T. -0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

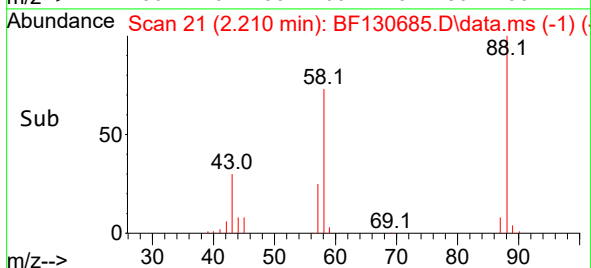
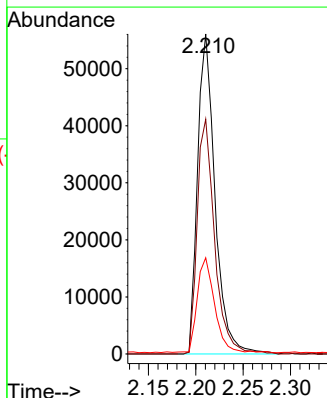
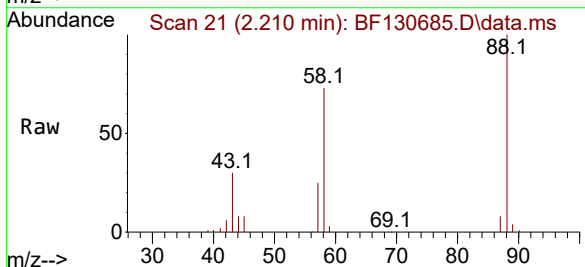
Instrument :  
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PB148379BSD

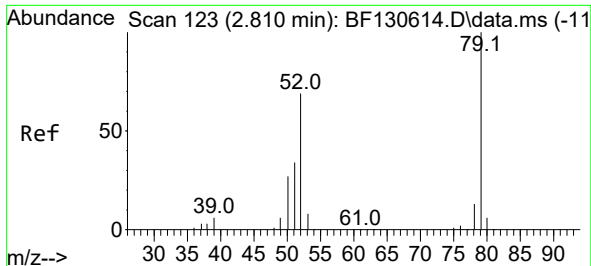
Tgt Ion:152 Resp: 81336  
Ion Ratio Lower Upper  
152 100  
150 156.3 123.8 185.6  
115 61.1 52.2 78.4



#2  
1,4-Dioxane  
Concen: 26.362 ng  
RT: 2.210 min Scan# 21  
Delta R.T. 0.077 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion: 88 Resp: 71966  
Ion Ratio Lower Upper  
88 100  
58 73.3 58.8 88.2  
43 29.5 22.2 33.4

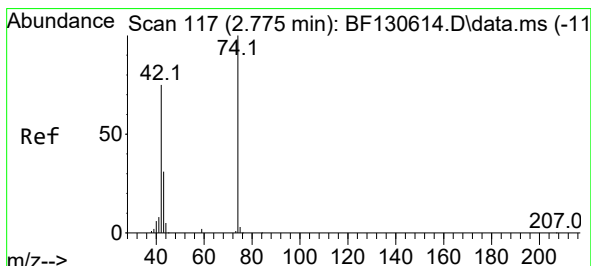
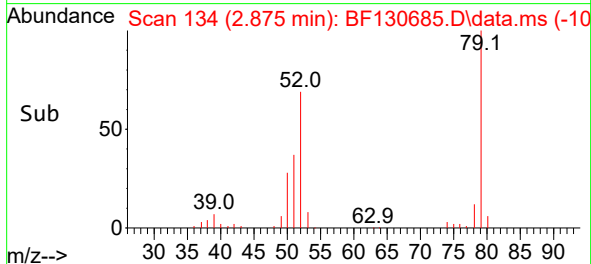
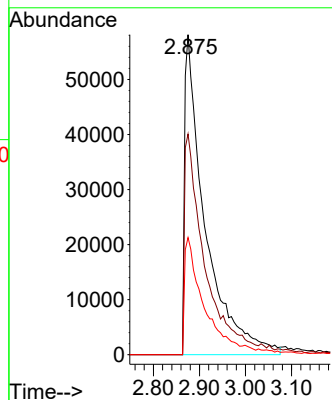
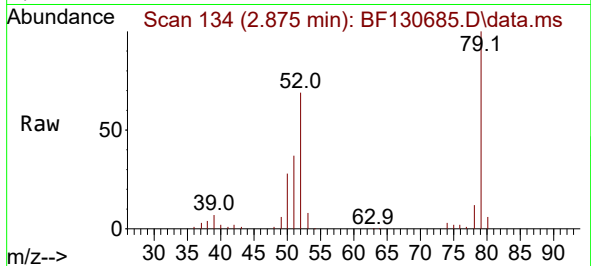




#3  
Pyridine  
Concen: 36.393 ng  
RT: 2.875 min Scan# 11  
Delta R.T. 0.088 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

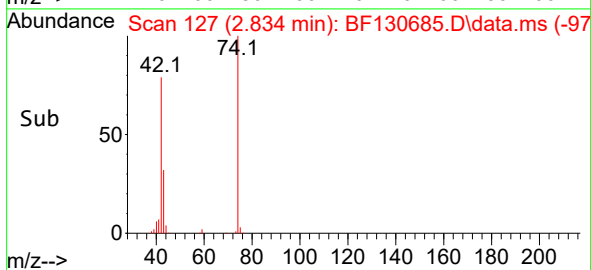
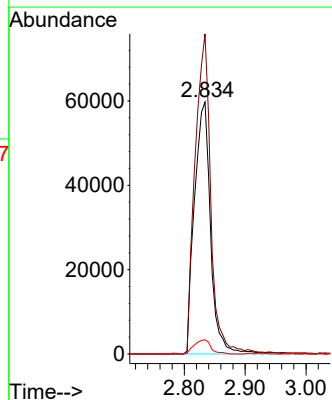
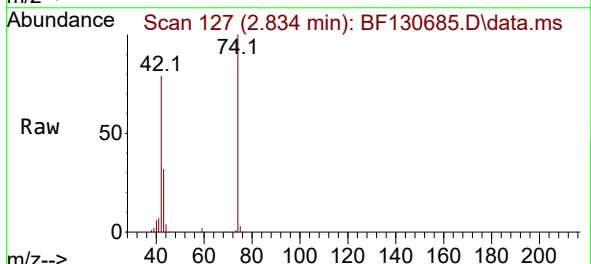
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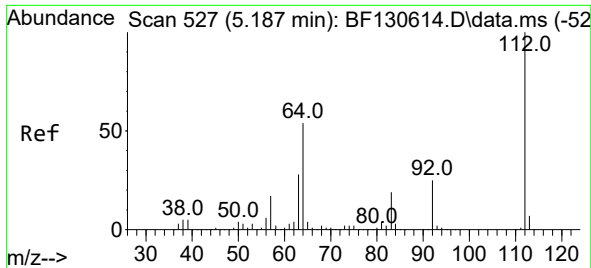
Tgt Ion: 79 Resp: 177712  
Ion Ratio Lower Upper  
79 100  
52 69.0 54.8 82.2  
51 36.6 27.4 41.2



#4  
n-Nitrosodimethylamine  
Concen: 47.792 ng  
RT: 2.834 min Scan# 127  
Delta R.T. 0.077 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion: 42 Resp: 109958  
Ion Ratio Lower Upper  
42 100  
74 127.1 106.2 159.2  
44 5.7 5.0 7.4

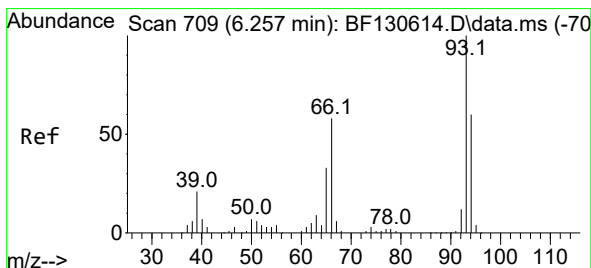
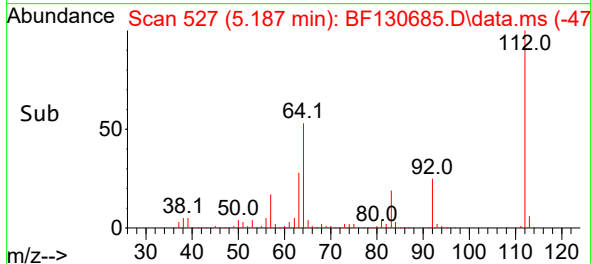
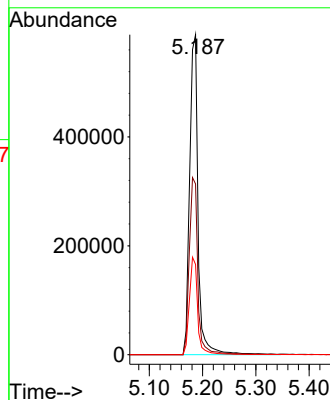
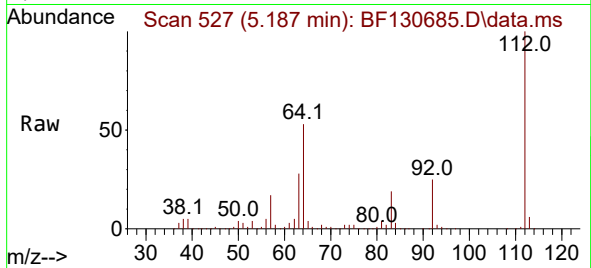




#5  
2-Fluorophenol  
Concen: 142.824 ng  
RT: 5.187 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

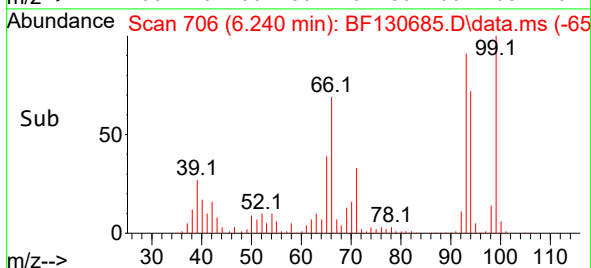
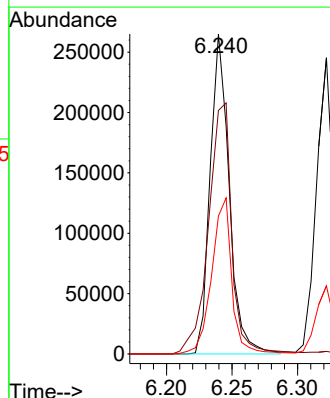
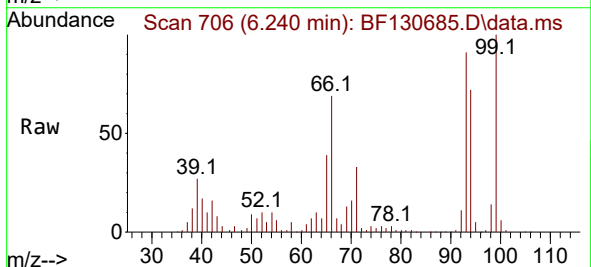
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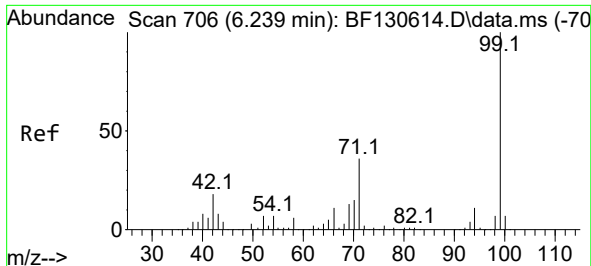
Tgt Ion:112 Resp: 644465  
Ion Ratio Lower Upper  
112 100  
64 53.4 43.5 65.3  
63 28.2 22.6 34.0



#6  
Aniline  
Concen: 39.406 ng  
RT: 6.240 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
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Tgt Ion: 93 Resp: 267647  
Ion Ratio Lower Upper  
93 100  
66 76.1 47.4 71.0#  
65 43.1 26.6 40.0#

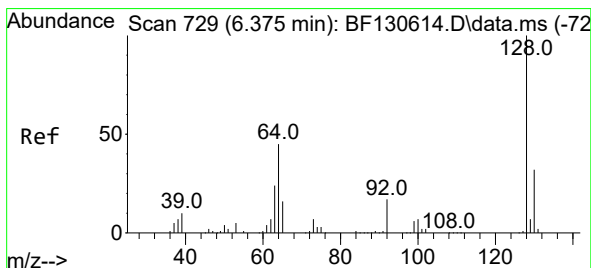
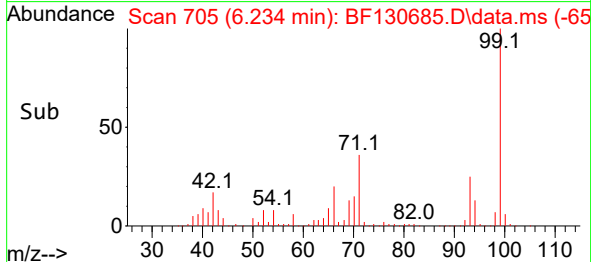
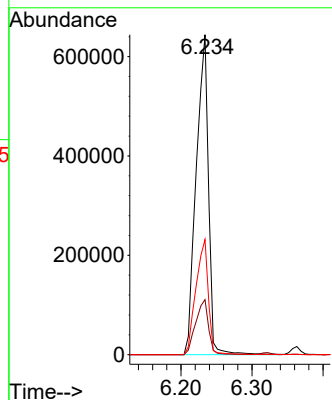
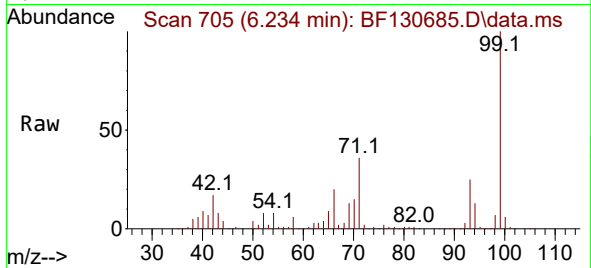




#7  
Phenol-d6  
Concen: 136.761 ng  
RT: 6.234 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: BF130685.D  
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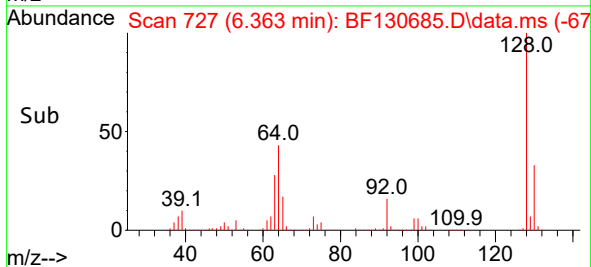
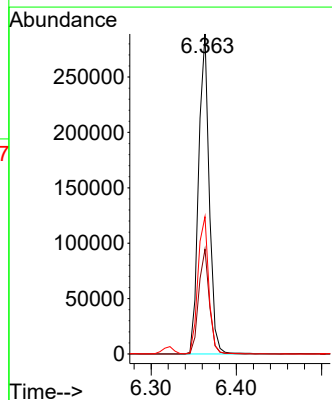
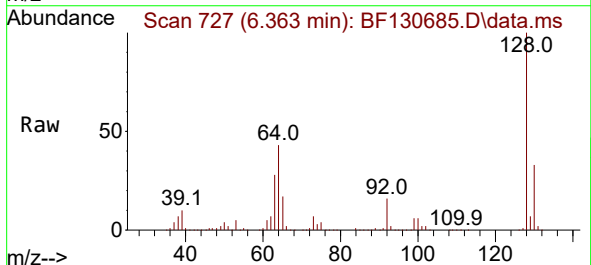
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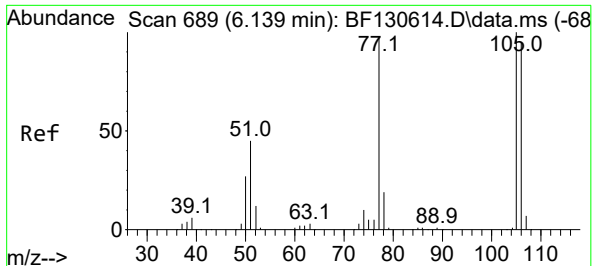
Tgt Ion: 99 Resp: 775871  
Ion Ratio Lower Upper  
99 100  
42 17.2 14.0 21.0  
71 36.0 28.8 43.2



#8  
2-Chlorophenol  
Concen: 47.194 ng  
RT: 6.363 min Scan# 727  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion: 128 Resp: 250432  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.4 52.4  
64 42.9 25.9 65.9

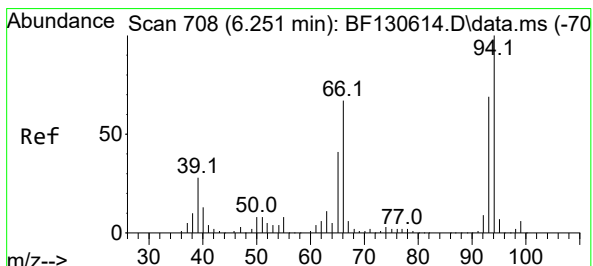
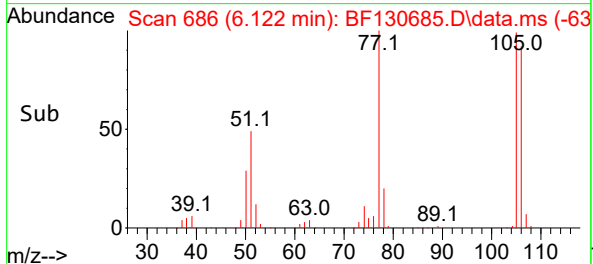
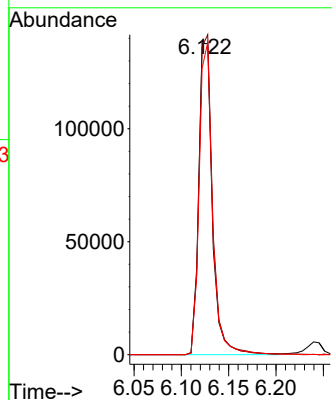
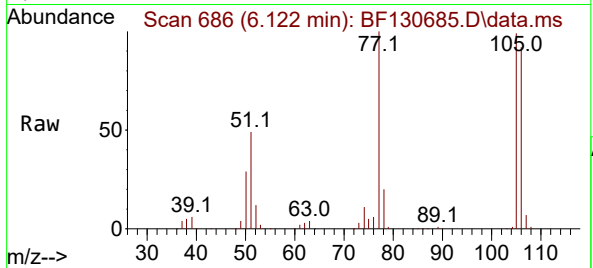




#9  
Benzaldehyde  
Concen: 39.034 ng  
RT: 6.122 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

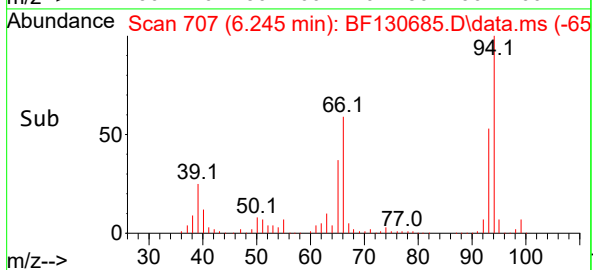
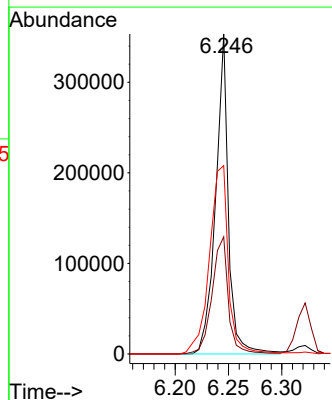
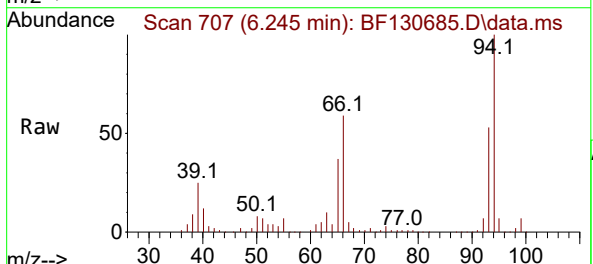
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

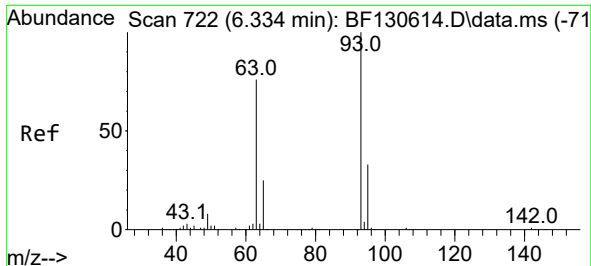
Tgt Ion: 77 Resp: 139129  
Ion Ratio Lower Upper  
77 100  
105 98.9 83.0 123.0  
106 92.0 77.8 117.8



#10  
Phenol  
Concen: 45.084 ng  
RT: 6.245 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion: 94 Resp: 295944  
Ion Ratio Lower Upper  
94 100  
65 36.6 21.2 61.2  
66 58.8 46.9 86.9



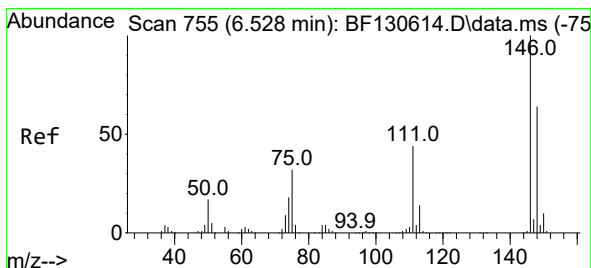
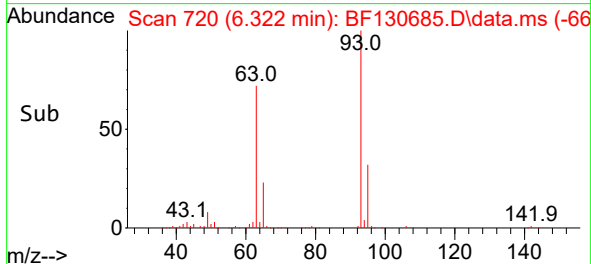
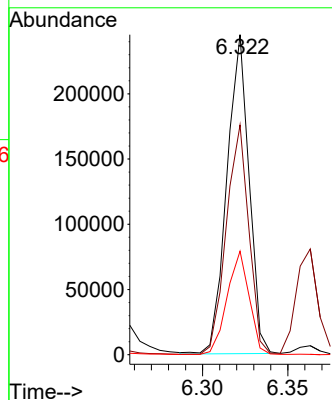
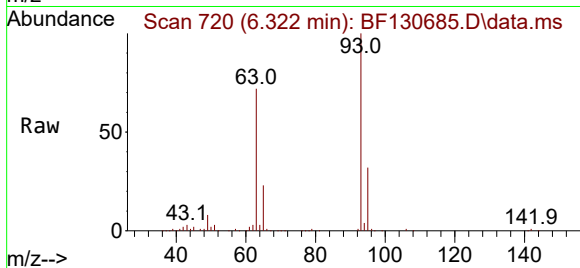


#11  
 bis(2-Chloroethyl)ether  
 Concen: 46.267 ng  
 RT: 6.322 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BF130685.D  
 Acq: 17 Oct 2022 14:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148379BSD

Tgt Ion: 93 Resp: 220613  

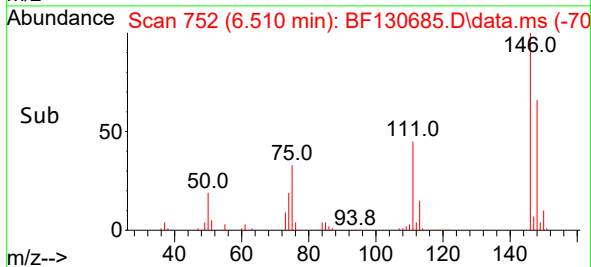
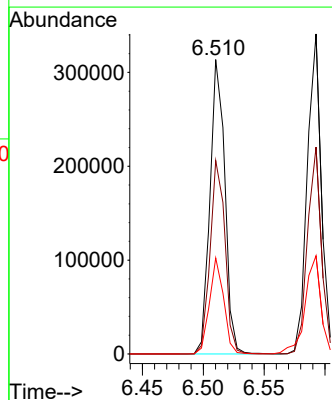
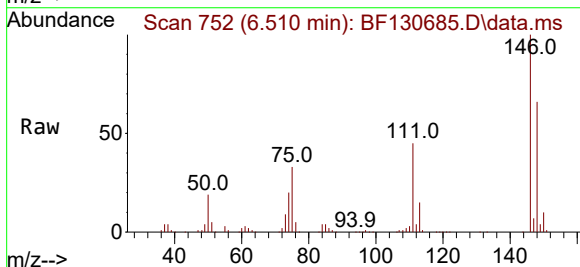
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 71.8  | 56.1  | 96.1  |
| 95  | 32.3  | 12.4  | 52.4  |

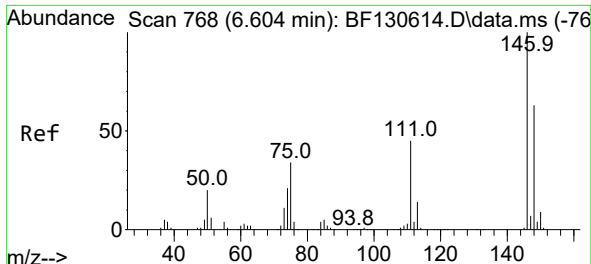


#12  
 1,3-Dichlorobenzene  
 Concen: 45.908 ng  
 RT: 6.510 min Scan# 752  
 Delta R.T. -0.006 min  
 Lab File: BF130685.D  
 Acq: 17 Oct 2022 14:17

Tgt Ion:146 Resp: 266728  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 65.7  | 51.3  | 76.9  |
| 75  | 32.6  | 25.2  | 37.8  |





#13

1,4-Dichlorobenzene

Concen: 46.822 ng

RT: 6.593 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

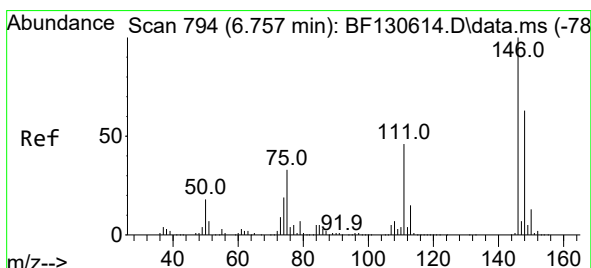
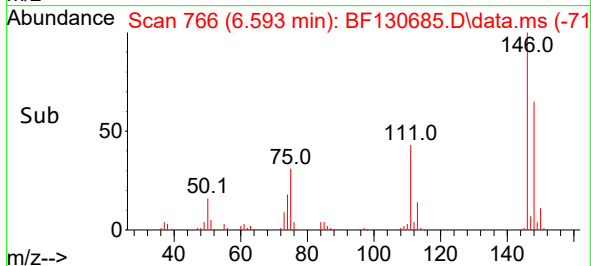
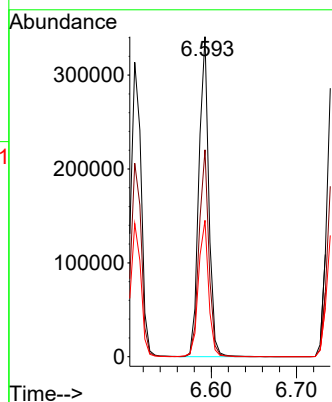
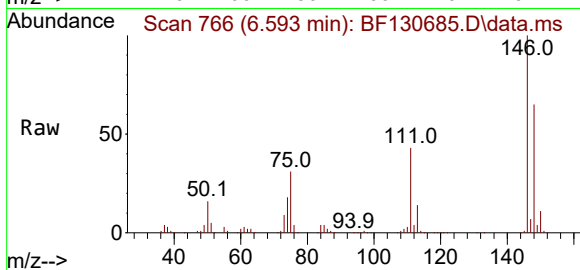
Tgt Ion:146 Resp: 275980

Ion Ratio Lower Upper

146 100

148 64.6 50.1 75.1

111 42.6 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 47.677 ng

RT: 6.740 min Scan# 791

Delta R.T. -0.006 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

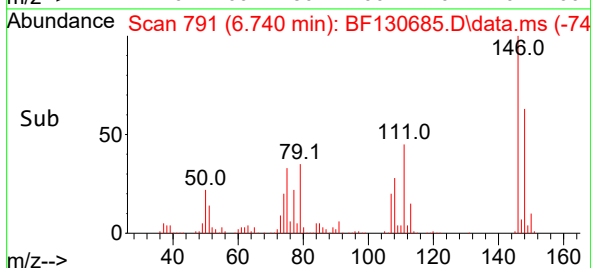
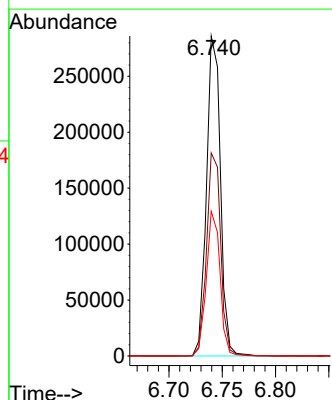
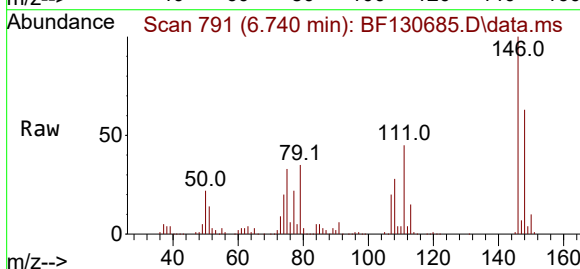
Tgt Ion:146 Resp: 261720

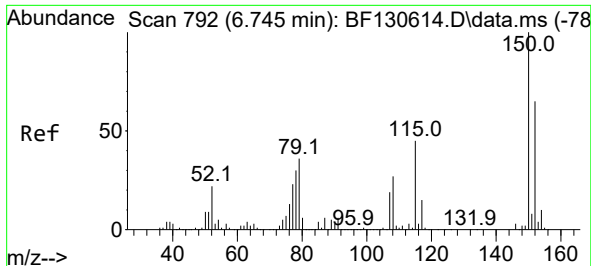
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

111 45.2 37.2 55.8





#15

Benzyl Alcohol

Concen: 44.829 ng

RT: 6.734 min Scan# 79

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

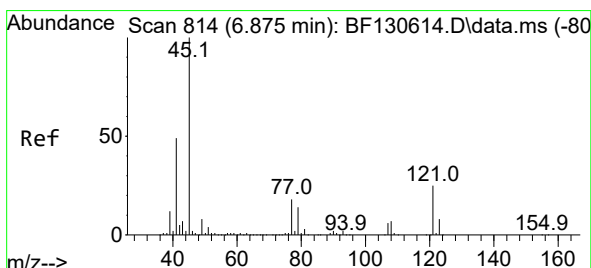
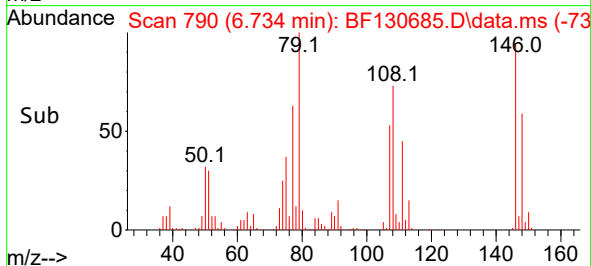
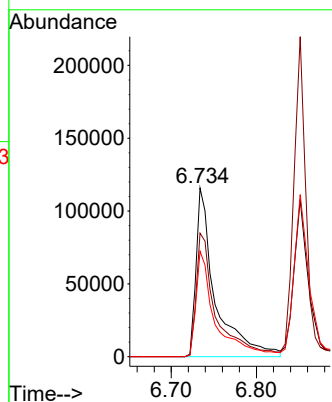
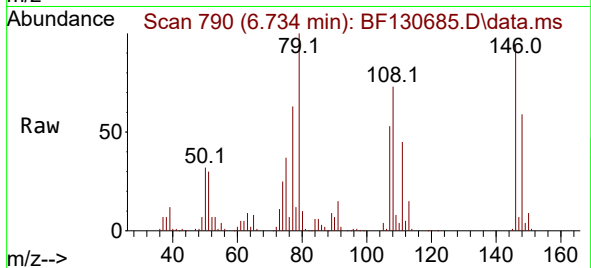
Tgt Ion: 79 Resp: 182593

Ion Ratio Lower Upper

79 100

108 73.3 59.7 89.5

77 62.6 51.8 77.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.638 ng

RT: 6.863 min Scan# 812

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

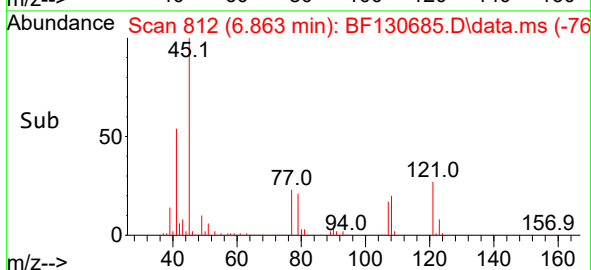
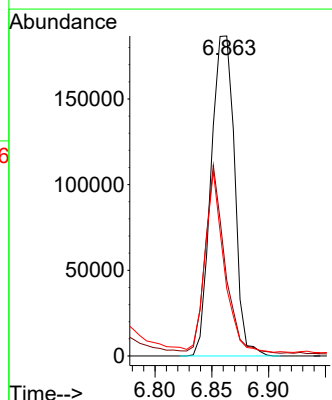
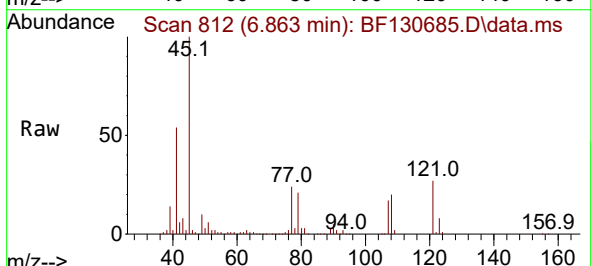
Tgt Ion: 45 Resp: 267695

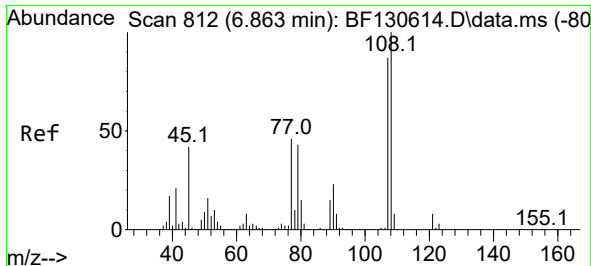
Ion Ratio Lower Upper

45 100

77 23.6 0.0 38.7

79 21.0 0.0 34.6

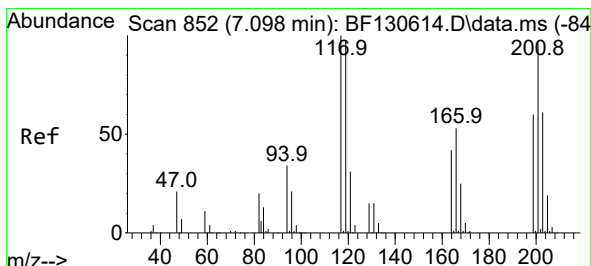
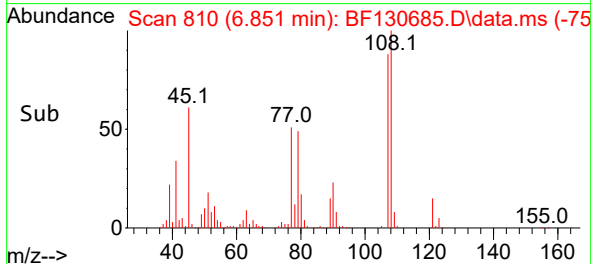
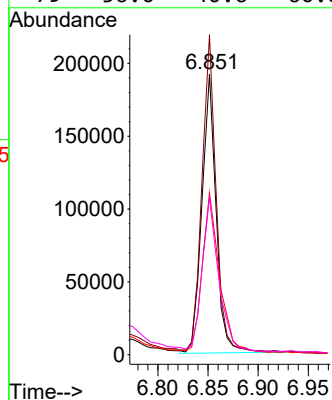
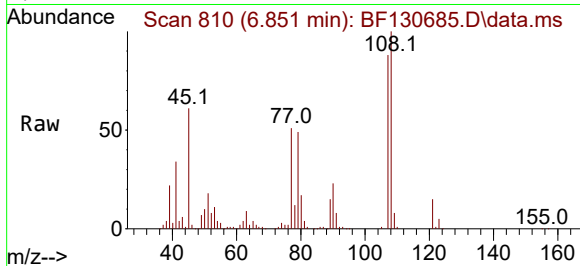




#17  
2-Methylphenol  
Concen: 45.027 ng  
RT: 6.851 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

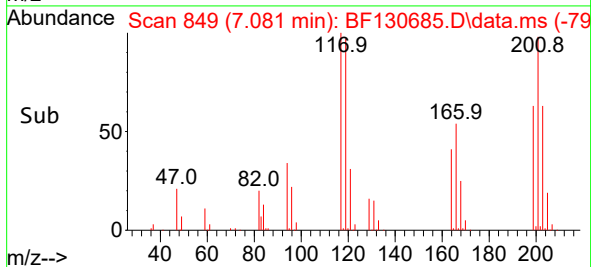
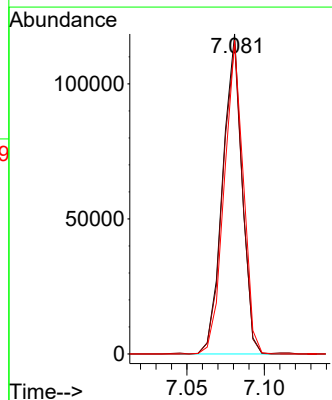
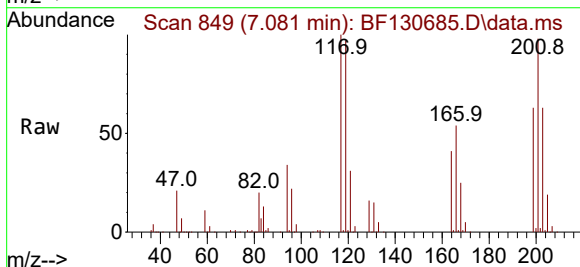
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

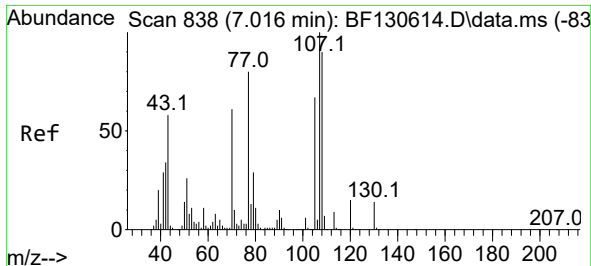
Tgt Ion:107 Resp: 190060  
Ion Ratio Lower Upper  
107 100  
108 114.0 92.2 138.2  
77 57.8 42.7 64.1  
79 56.0 40.6 60.8



#18  
Hexachloroethane  
Concen: 46.079 ng  
RT: 7.081 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:117 Resp: 102749  
Ion Ratio Lower Upper  
117 100  
119 96.9 77.6 116.4  
201 98.0 77.0 115.6





#19

n-Nitroso-di-n-propylamine

Concen: 43.866 ng

RT: 7.004 min Scan# 836

Delta R.T. 0.000 min

Lab File: BF130685.D

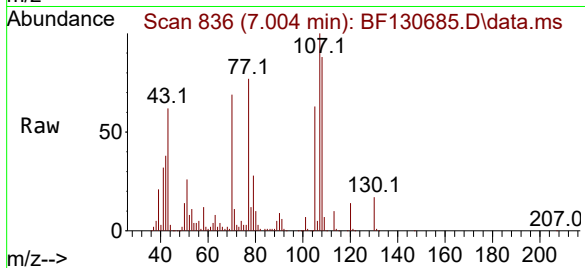
Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD



Tgt Ion: 70 Resp: 160561

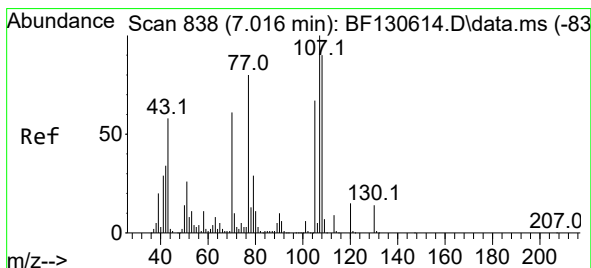
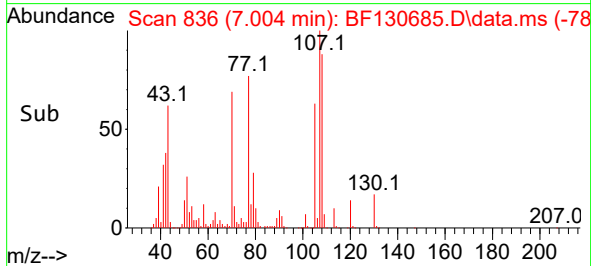
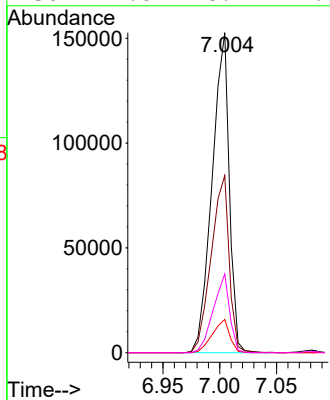
Ion Ratio Lower Upper

70 100

42 55.4 44.3 66.5

101 10.4 7.9 11.9

130 24.6 18.1 27.1



#20

3+4-Methylphenols

Concen: 43.502 ng

RT: 7.004 min Scan# 836

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Tgt Ion: 107 Resp: 246053

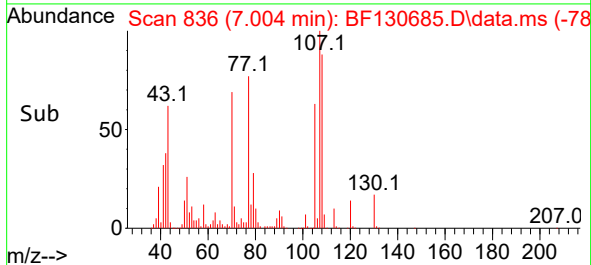
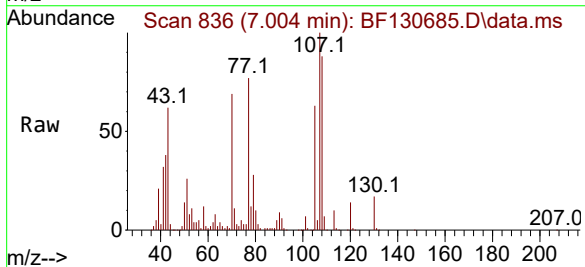
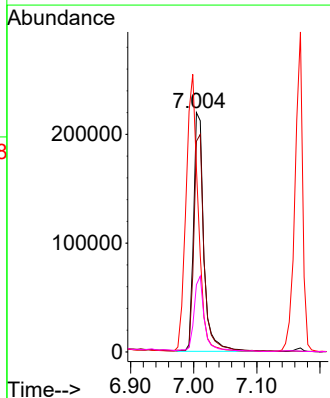
Ion Ratio Lower Upper

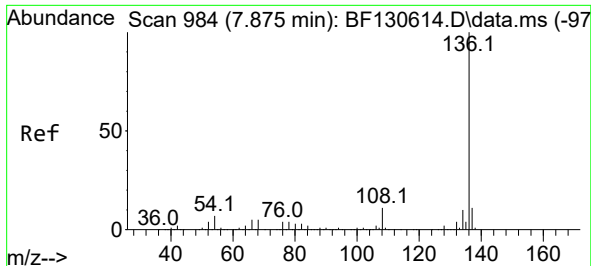
107 100

108 88.0 69.7 109.7

77 76.6 59.7 99.7

79 28.2 9.5 49.5

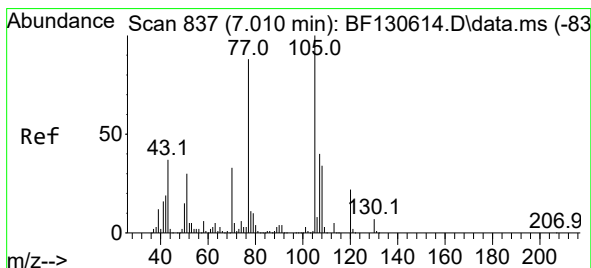
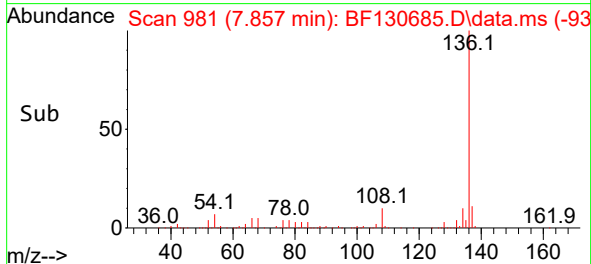
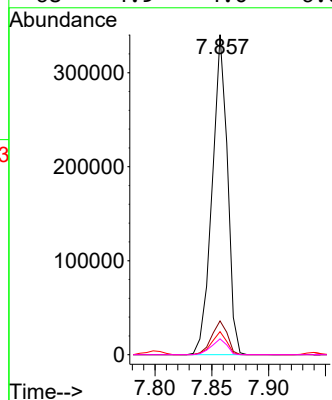
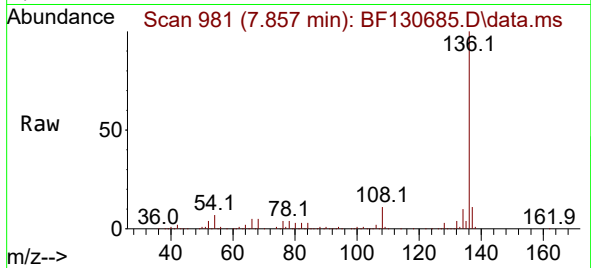




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.857 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

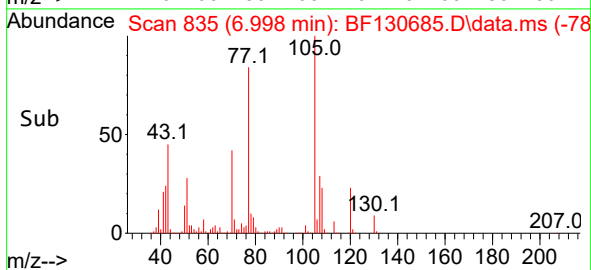
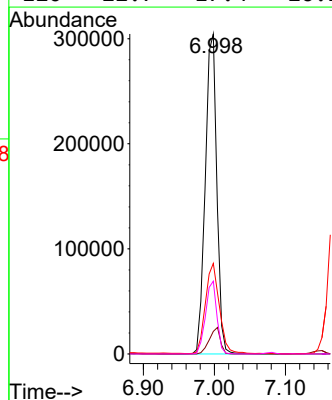
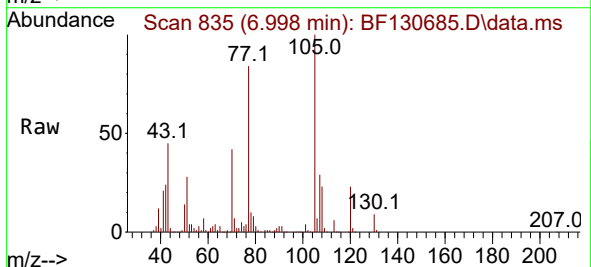
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

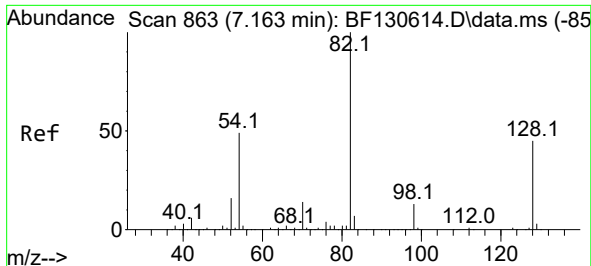
Tgt Ion:136 Resp: 317683  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.4 12.6  
54 7.2 5.5 8.3  
68 4.9 4.0 6.0



#22  
Acetophenone  
Concen: 45.310 ng  
RT: 6.998 min Scan# 835  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:105 Resp: 345302  
Ion Ratio Lower Upper  
105 100  
71 7.1 4.2 6.4#  
51 28.3 24.3 36.5  
120 22.7 17.4 26.2

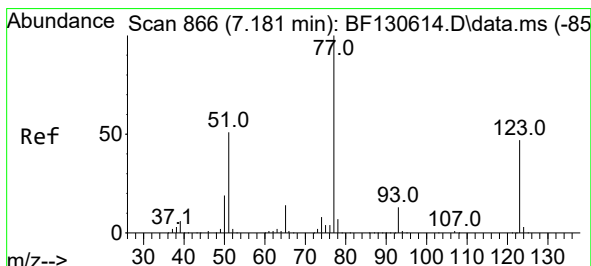
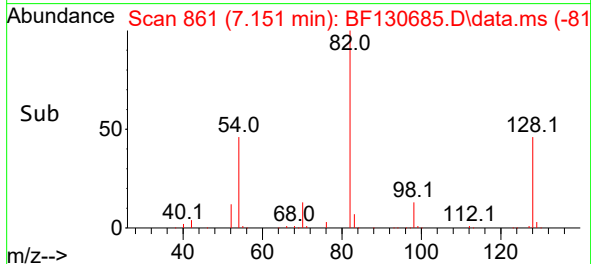
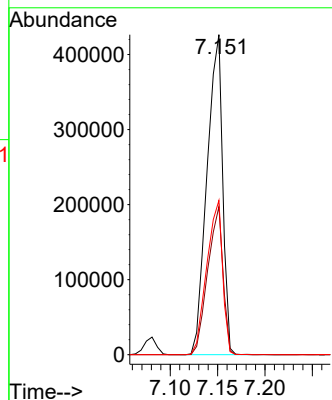
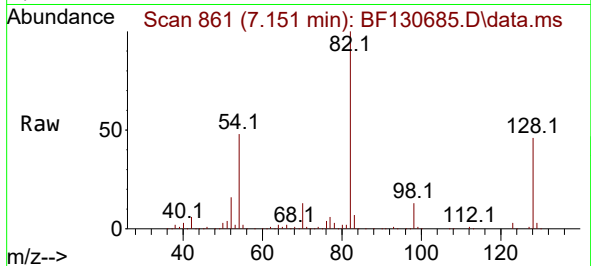




#23  
Nitrobenzene-d5  
Concen: 83.672 ng  
RT: 7.151 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

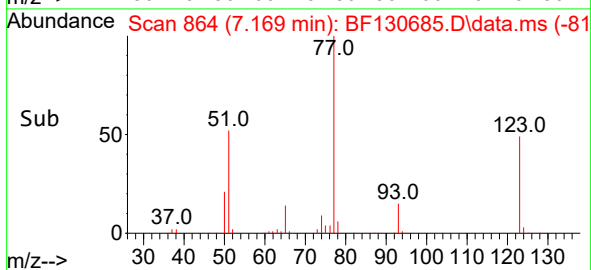
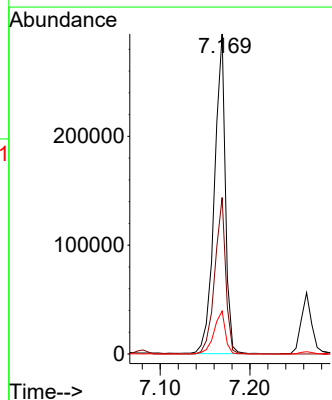
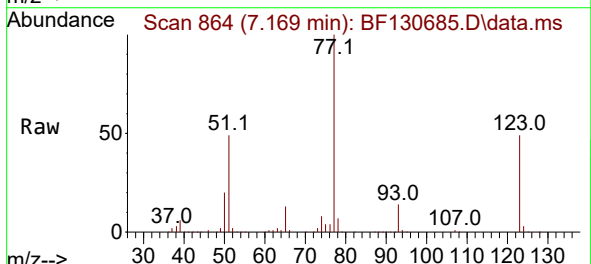
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

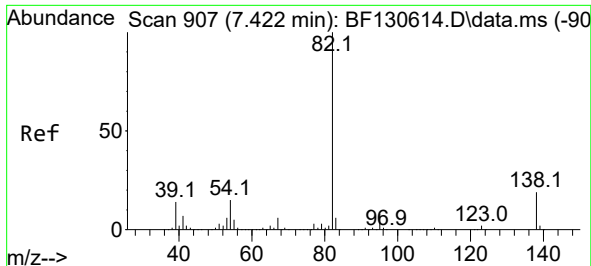
Tgt Ion: 82 Resp: 486919  
Ion Ratio Lower Upper  
82 100  
128 46.3 35.8 53.6  
54 48.2 39.3 58.9



#24  
Nitrobenzene  
Concen: 42.662 ng  
RT: 7.169 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion: 77 Resp: 249673  
Ion Ratio Lower Upper  
77 100  
123 48.9 37.5 56.3  
65 13.4 11.0 16.4

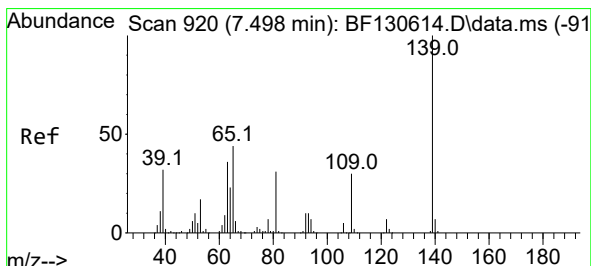
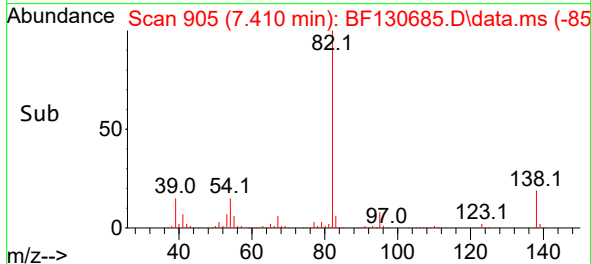
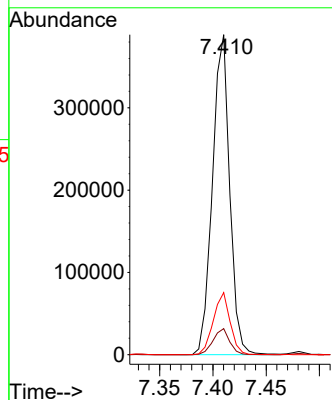
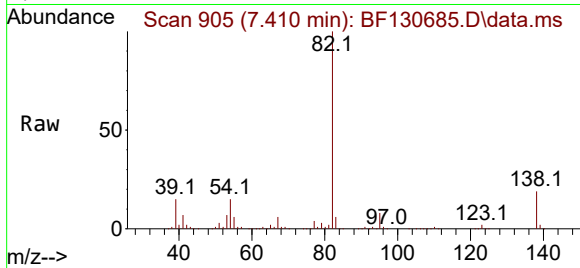




#25  
Isophorone  
Concen: 45.208 ng  
RT: 7.410 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

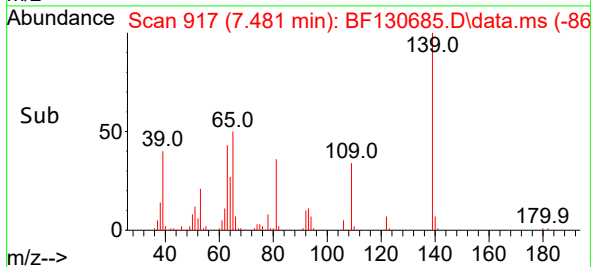
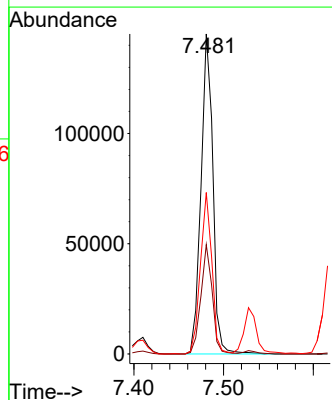
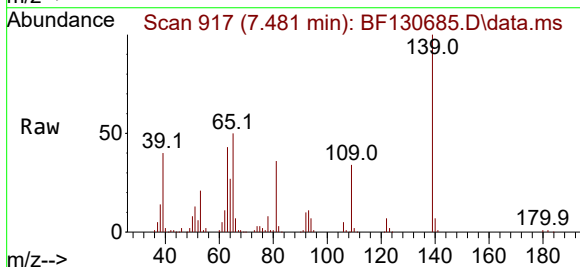
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

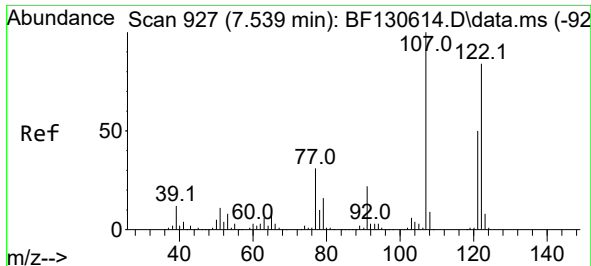
Tgt Ion: 82 Resp: 437862  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.1 9.1  
138 19.4 14.9 22.3



#26  
2-Nitrophenol  
Concen: 46.412 ng  
RT: 7.481 min Scan# 917  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:139 Resp: 133202  
Ion Ratio Lower Upper  
139 100  
109 34.1 23.9 35.9  
65 50.5 34.9 52.3





#27

2,4-Dimethylphenol

Concen: 50.540 ng

RT: 7.528 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

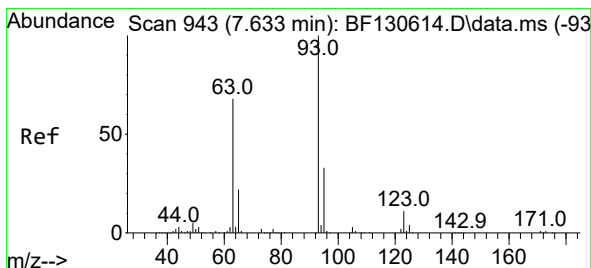
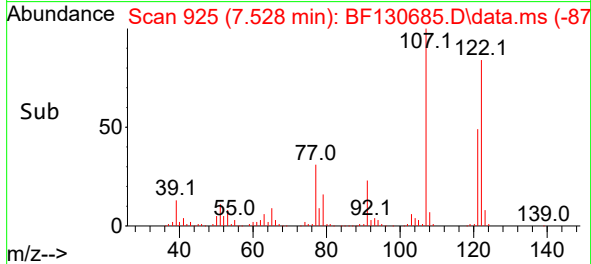
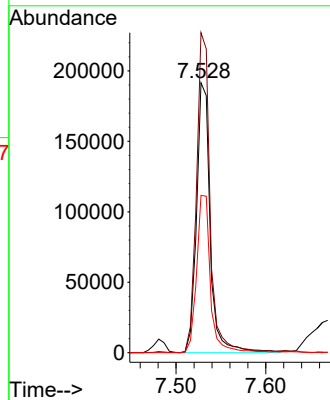
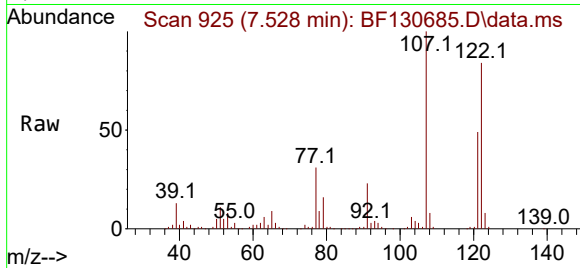
Tgt Ion:122 Resp: 202163

Ion Ratio Lower Upper

122 100

107 118.5 94.9 142.3

121 58.2 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 47.214 ng

RT: 7.622 min Scan# 941

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

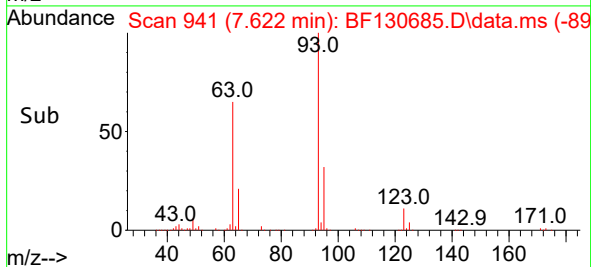
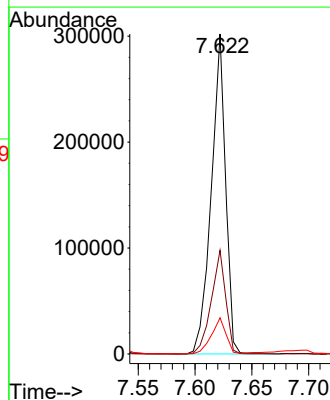
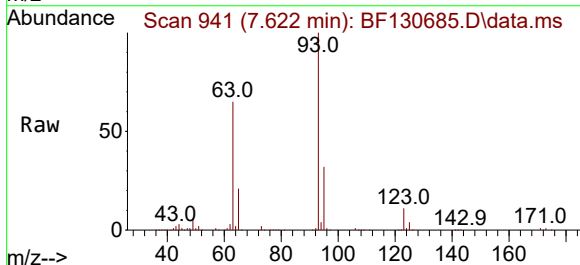
Tgt Ion: 93 Resp: 264785

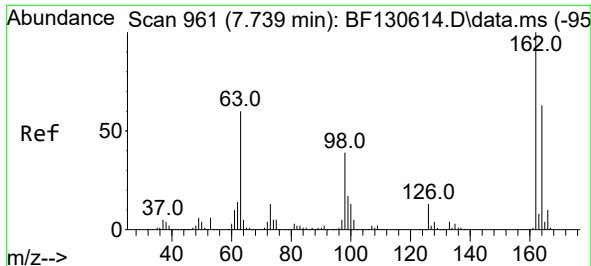
Ion Ratio Lower Upper

93 100

95 32.4 26.4 39.6

123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 45.348 ng

RT: 7.728 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

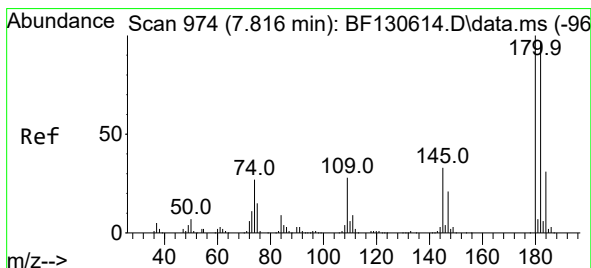
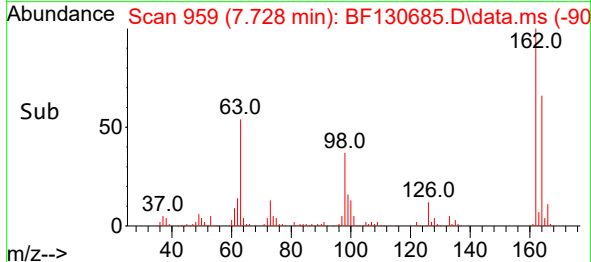
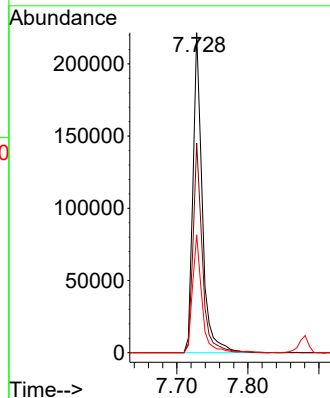
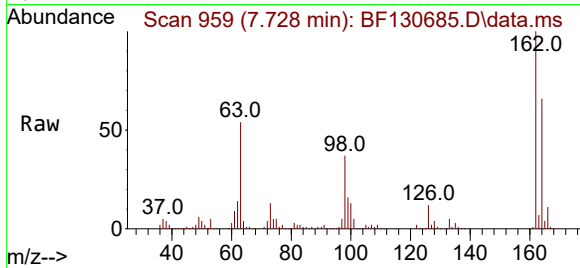
Tgt Ion:162 Resp: 202949

Ion Ratio Lower Upper

162 100

164 65.5 42.8 82.8

98 36.9 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 44.732 ng

RT: 7.804 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

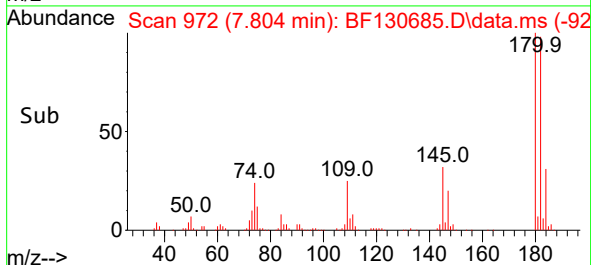
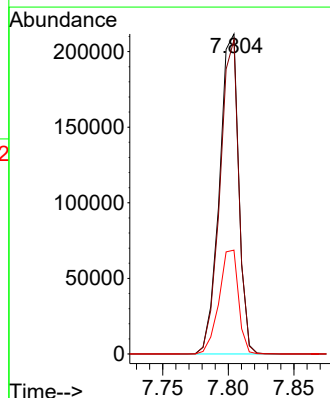
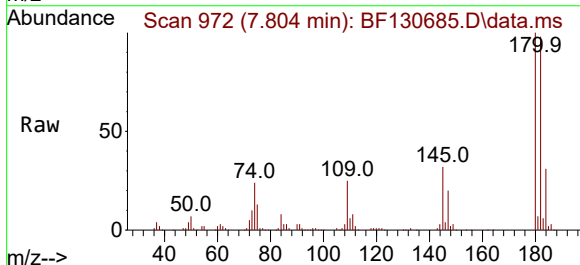
Tgt Ion:180 Resp: 215821

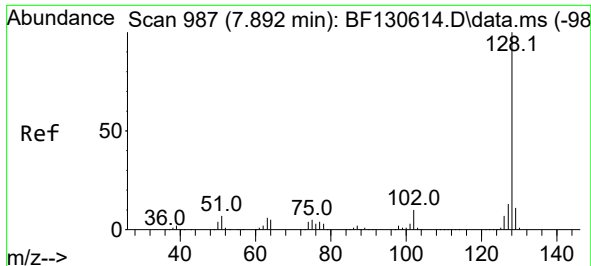
Ion Ratio Lower Upper

180 100

182 98.2 78.0 117.0

145 32.5 26.7 40.1





#31

Naphthalene

Concen: 43.410 ng

RT: 7.881 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

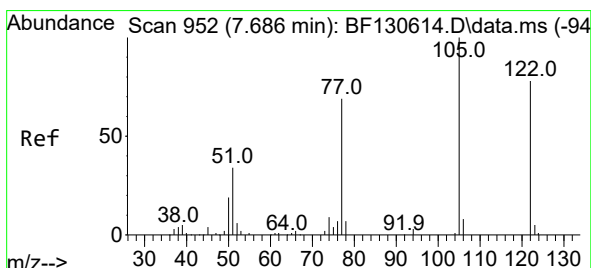
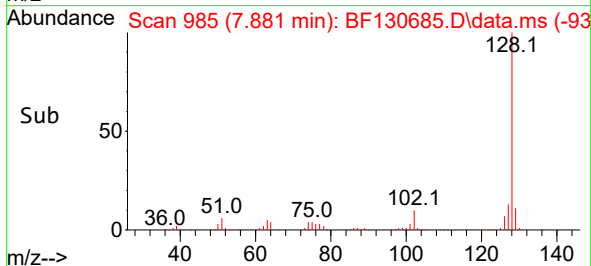
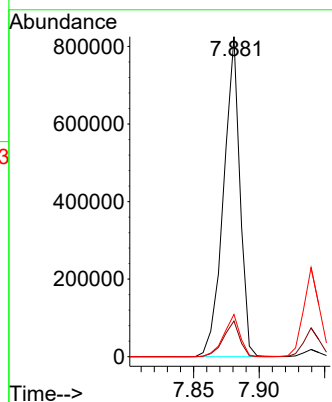
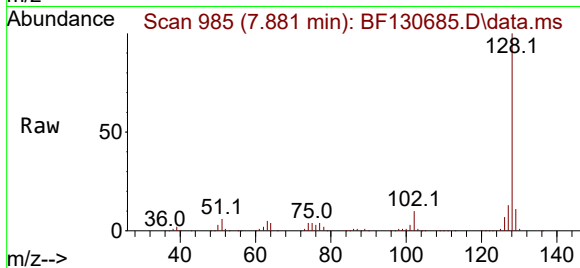
Tgt Ion:128 Resp: 713856

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.3 15.5



#32

Benzoic acid

Concen: 41.995 ng

RT: 7.698 min Scan# 954

Delta R.T. 0.012 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

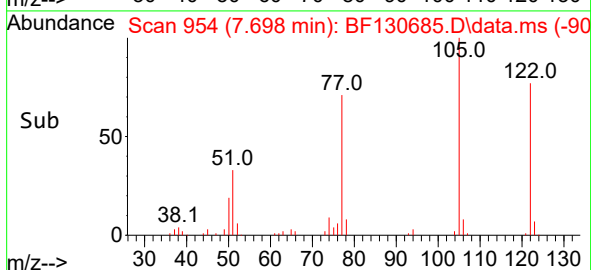
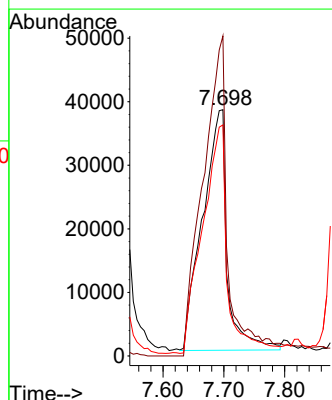
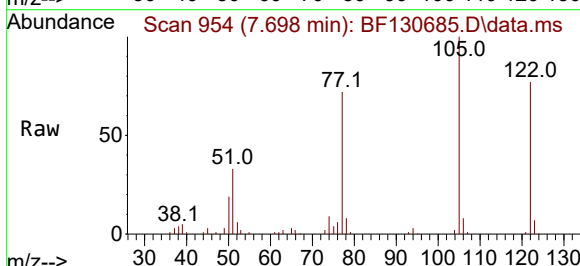
Tgt Ion:122 Resp: 106272

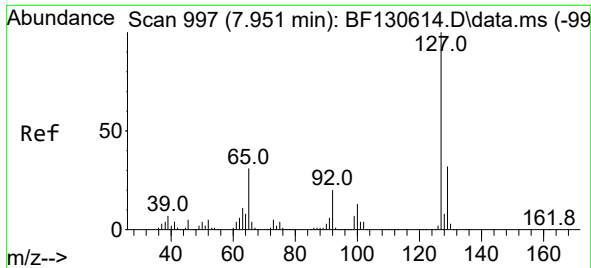
Ion Ratio Lower Upper

122 100

105 130.0 104.8 144.8

77 93.9 68.2 108.2

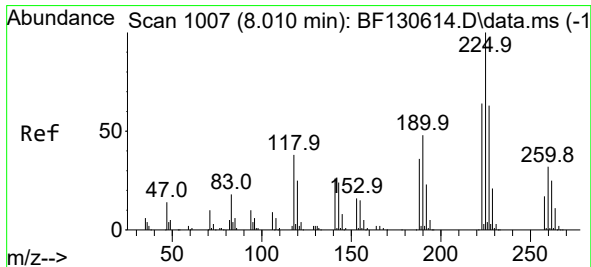
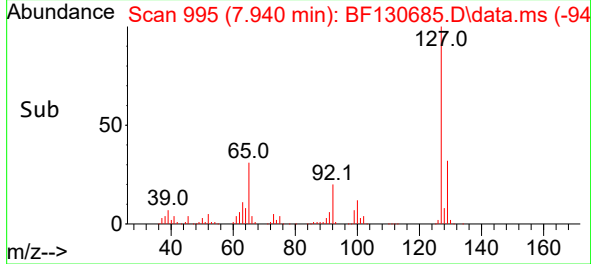
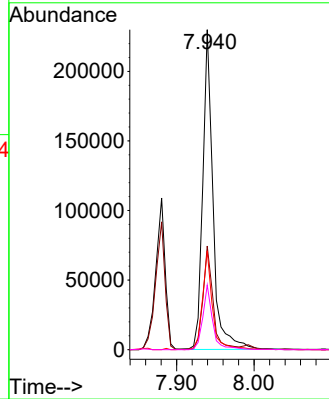
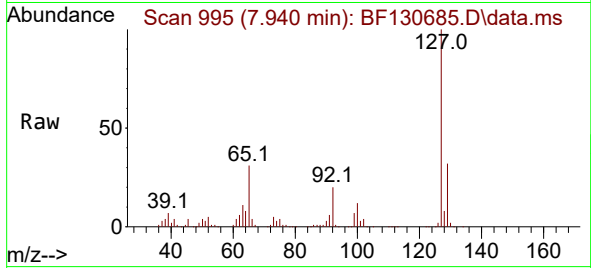




#33  
4-Chloroaniline  
Concen: 33.300 ng  
RT: 7.940 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

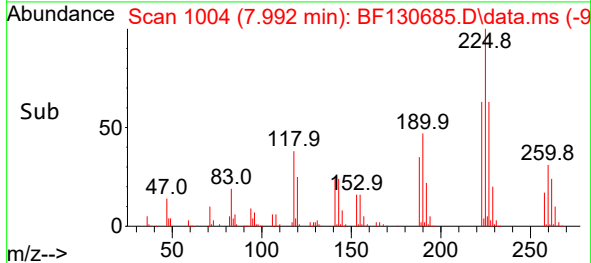
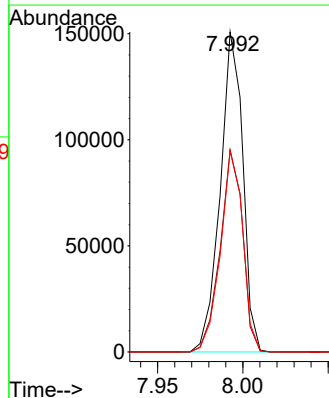
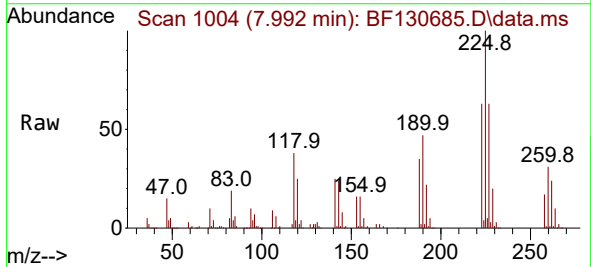
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

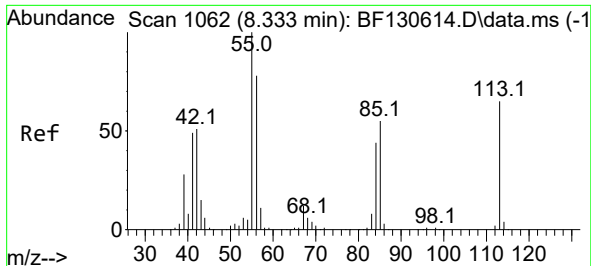
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 212127 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.4  | 25.7  | 38.5   |
| 65       | 30.9  | 24.7  | 37.1   |
| 92       | 20.2  | 15.8  | 23.8   |



#34  
Hexachlorobutadiene  
Concen: 46.343 ng  
RT: 7.992 min Scan# 1004  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 138777 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 51.5  | 77.3   |
| 227      | 62.8  | 50.4  | 75.6   |

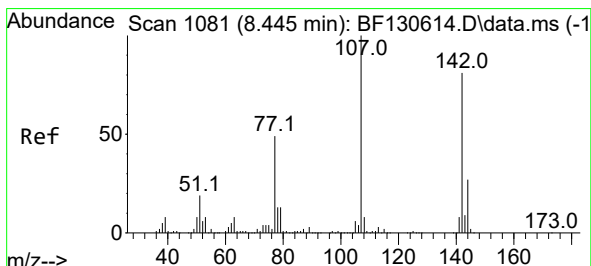
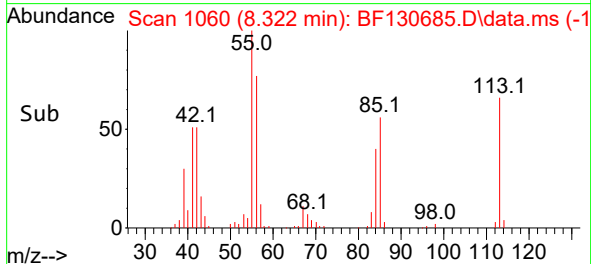
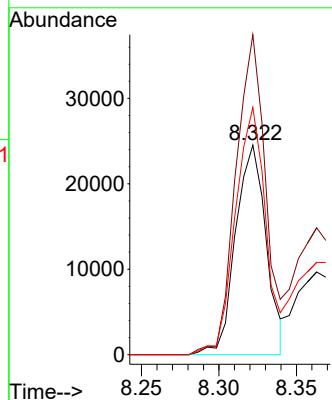
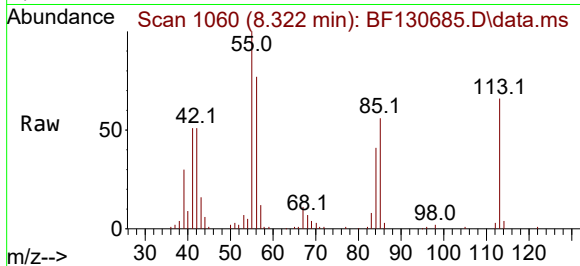




#35  
Caprolactam  
Concen: 24.959 ng  
RT: 8.322 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

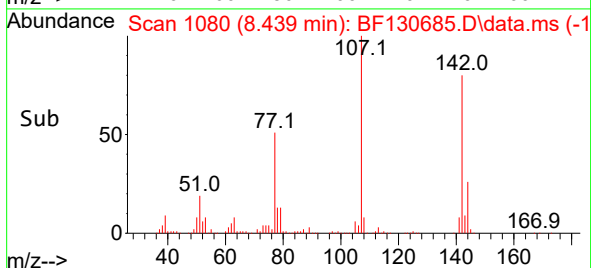
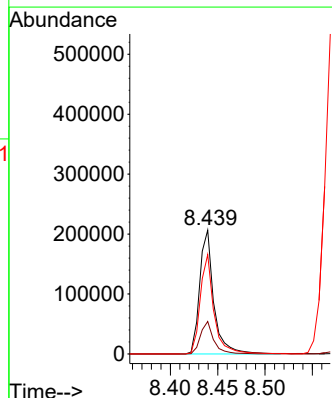
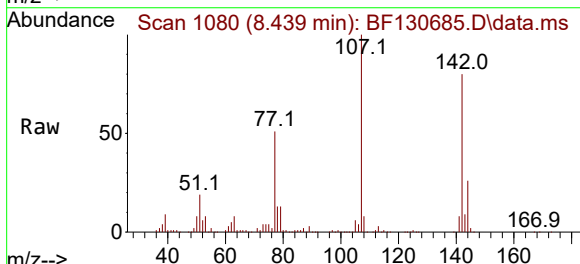
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

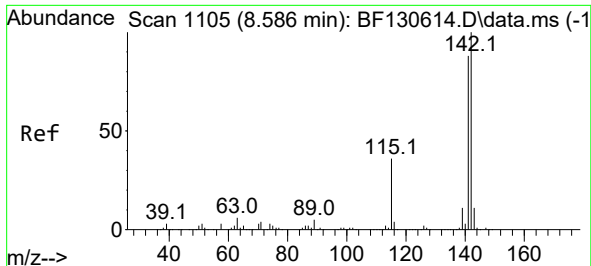
Tgt Ion:113 Resp: 33607  
Ion Ratio Lower Upper  
113 100  
55 152.7 134.3 174.3  
56 117.9 101.0 141.0



#36  
4-Chloro-3-methylphenol  
Concen: 44.294 ng  
RT: 8.439 min Scan# 1080  
Delta R.T. 0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:107 Resp: 215022  
Ion Ratio Lower Upper  
107 100  
144 26.3 21.9 32.9  
142 80.2 64.6 96.8

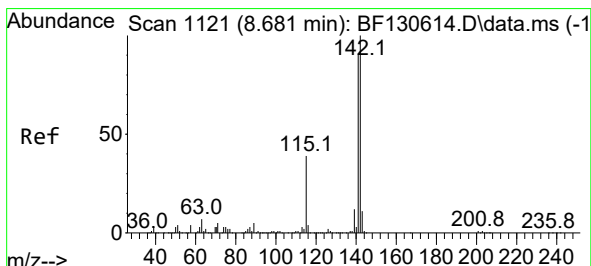
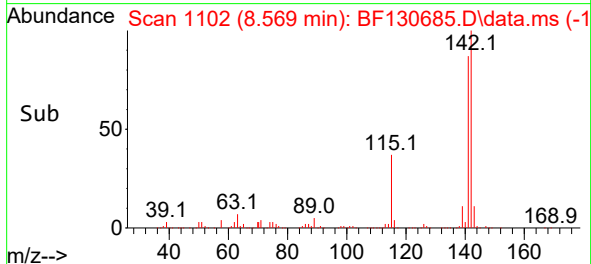
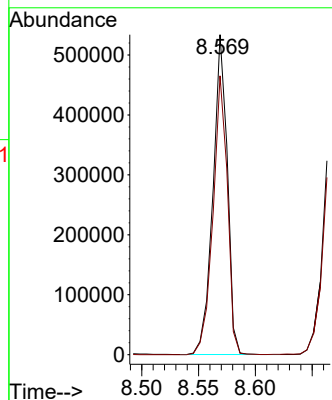
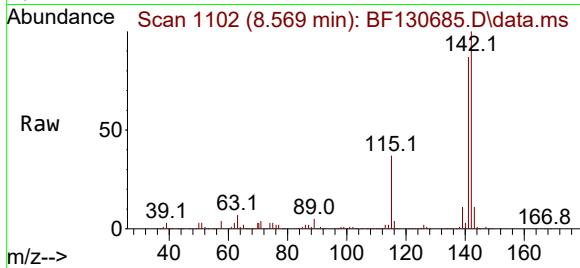




#37  
2-Methylnaphthalene  
Concen: 45.245 ng  
RT: 8.569 min Scan# 1119  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

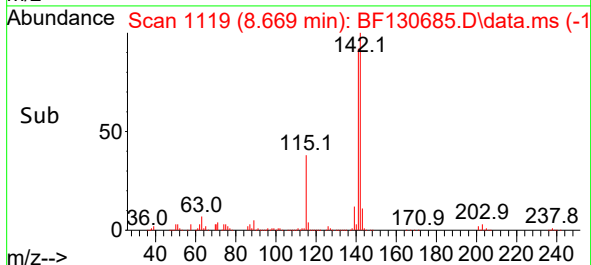
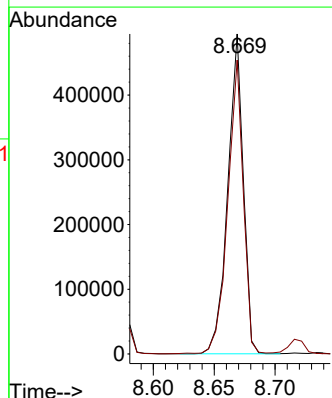
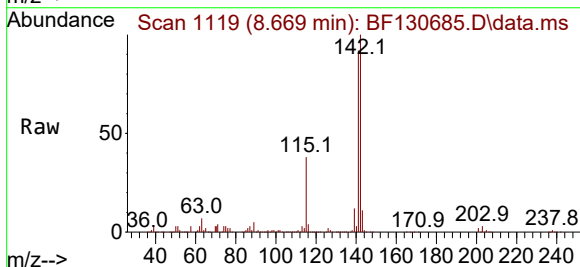
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

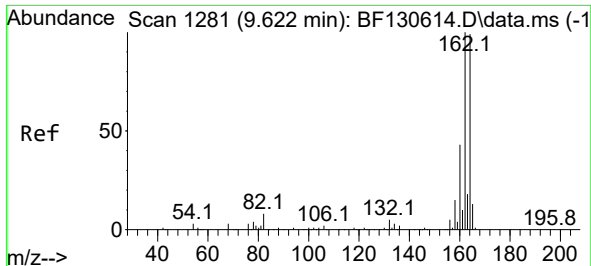
Tgt Ion:142 Resp: 468221  
Ion Ratio Lower Upper  
142 100  
141 87.2 70.7 106.1



#38  
1-Methylnaphthalene  
Concen: 43.674 ng  
RT: 8.669 min Scan# 1119  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:142 Resp: 438755  
Ion Ratio Lower Upper  
142 100  
141 91.8 72.6 108.8

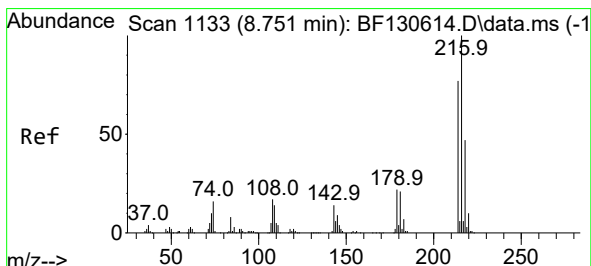
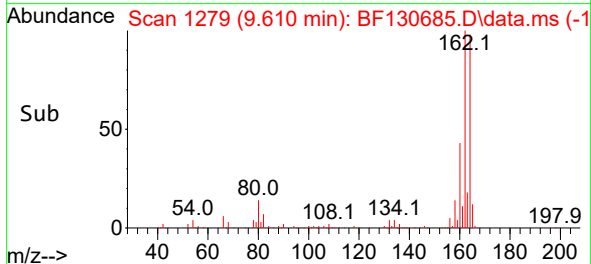
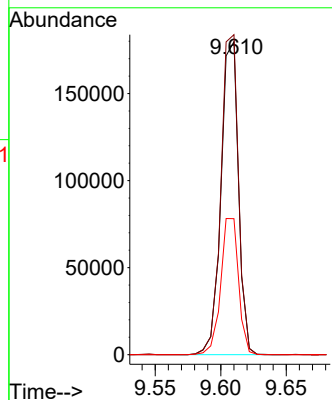
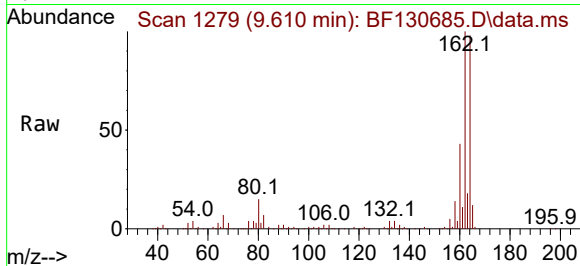




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.610 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

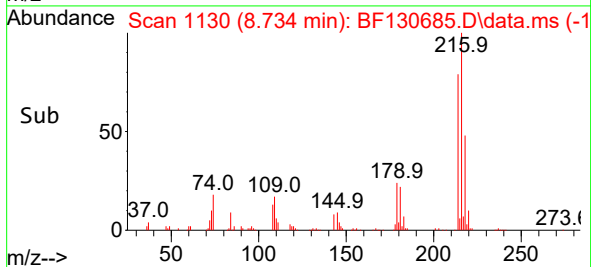
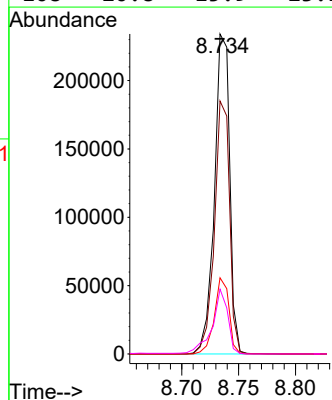
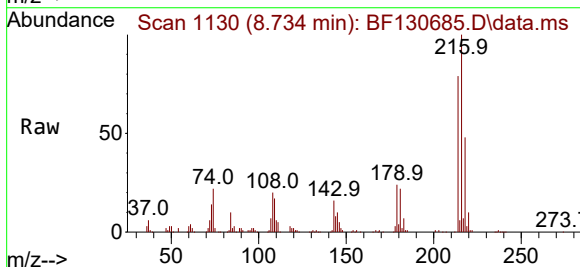
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

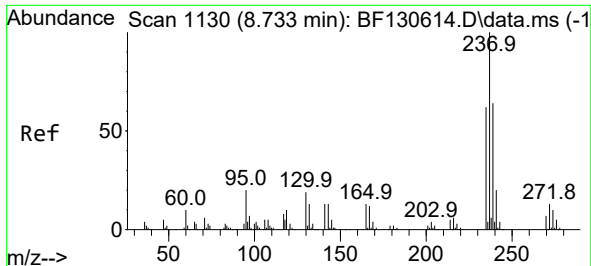
Tgt Ion:164 Resp: 166169  
Ion Ratio Lower Upper  
164 100  
162 102.2 81.0 121.4  
160 43.5 34.5 51.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.603 ng  
RT: 8.734 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:216 Resp: 219120  
Ion Ratio Lower Upper  
216 100  
214 78.3 62.1 93.1  
179 22.6 18.6 27.8  
108 20.8 15.9 23.9

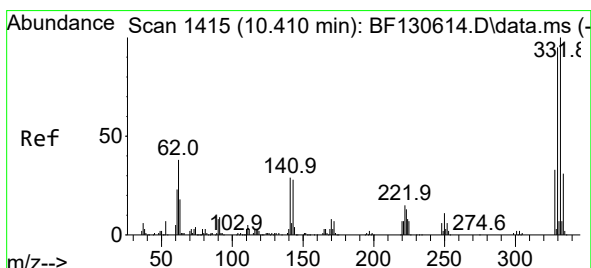
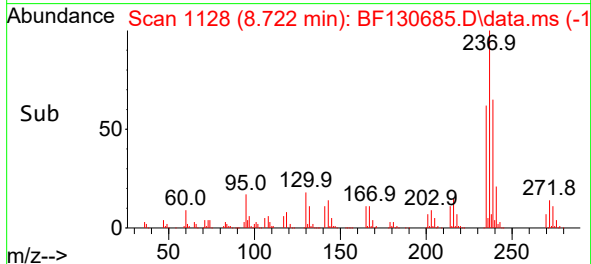
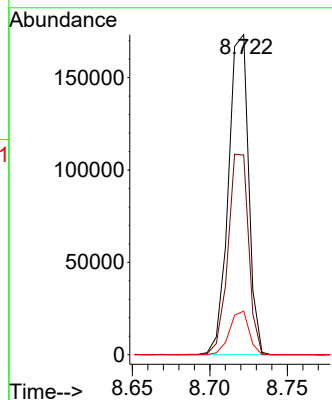
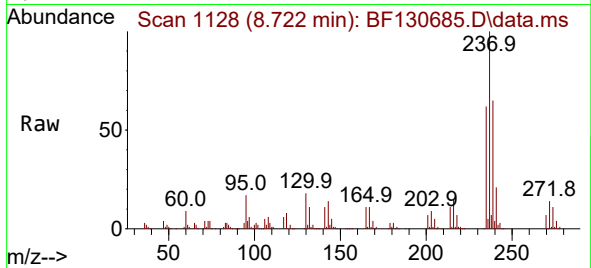




#41  
Hexachlorocyclopentadiene  
Concen: 89.871 ng  
RT: 8.722 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

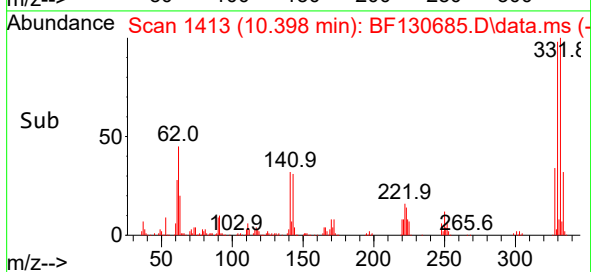
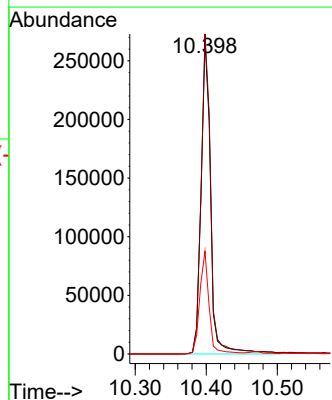
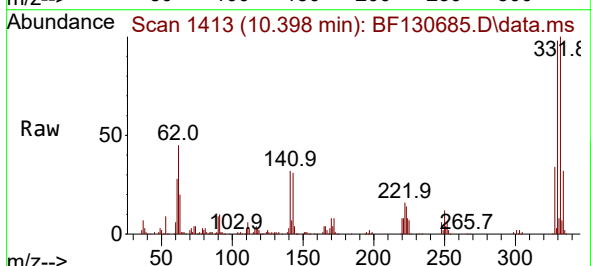
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

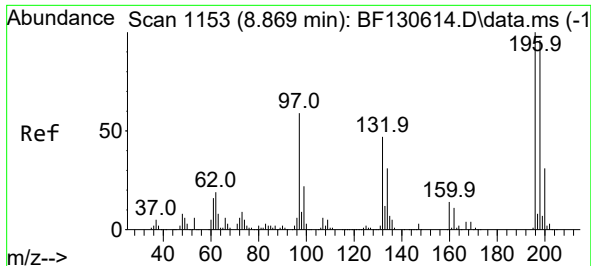
Tgt Ion:237 Resp: 157277  
Ion Ratio Lower Upper  
237 100  
235 62.4 42.2 82.2  
272 13.6 0.0 32.6



#42  
2,4,6-Tribromophenol  
Concen: 154.282 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:330 Resp: 250856  
Ion Ratio Lower Upper  
330 100  
332 103.2 84.2 126.4  
141 31.8 26.8 40.2





#43

2,4,6-Trichlorophenol

Concen: 44.229 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF130685.D

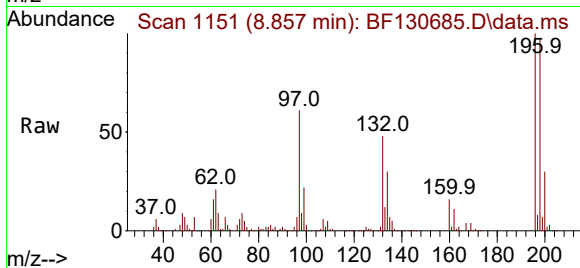
Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD



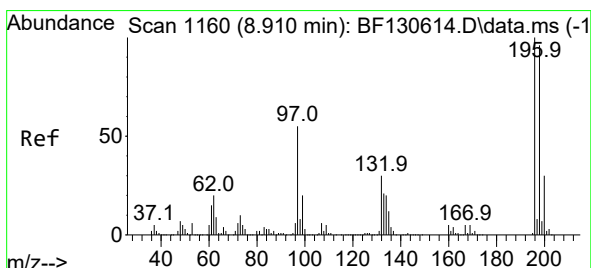
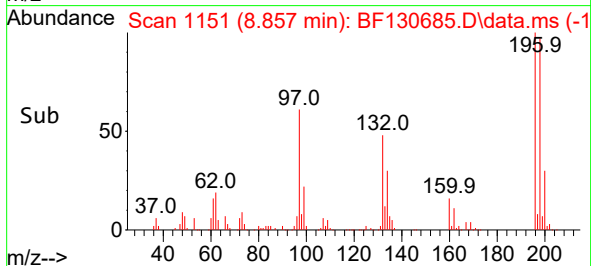
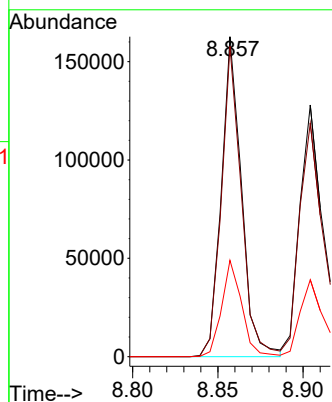
Tgt Ion:196 Resp: 133886

Ion Ratio Lower Upper

196 100

198 97.0 76.6 115.0

200 30.1 25.0 37.6



#44

2,4,5-Trichlorophenol

Concen: 44.136 ng

RT: 8.904 min Scan# 1159

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Tgt Ion:196 Resp: 146928

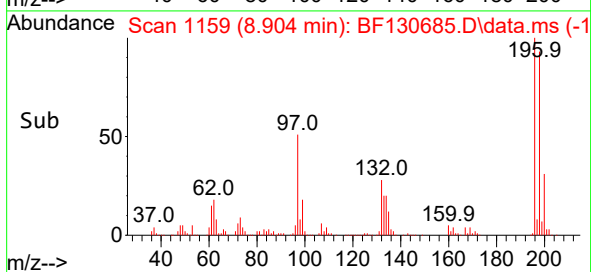
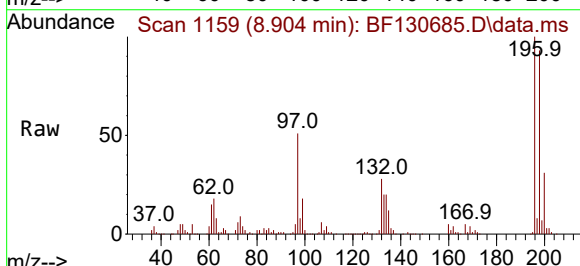
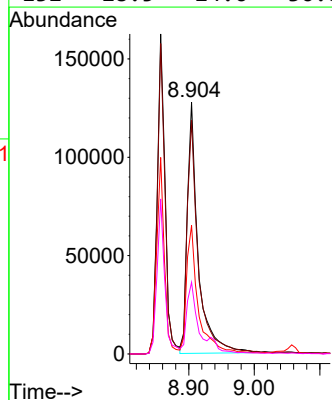
Ion Ratio Lower Upper

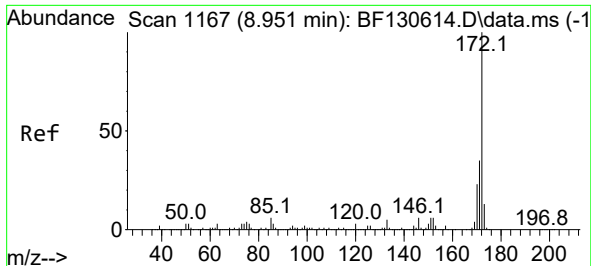
196 100

198 92.8 76.6 114.8

97 51.0 44.3 66.5

132 28.5 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 89.416 ng

RT: 8.939 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

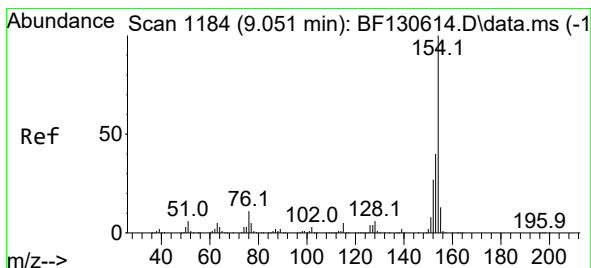
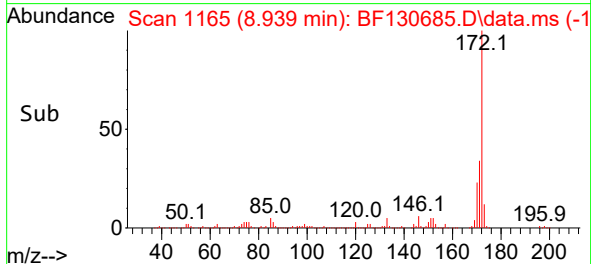
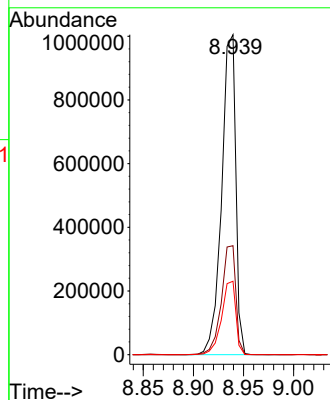
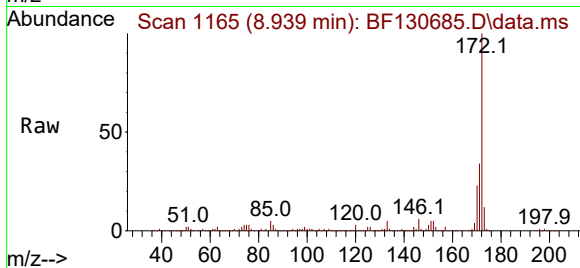
Tgt Ion:172 Resp: 980899

Ion Ratio Lower Upper

172 100

171 34.0 27.8 41.8

170 22.9 18.6 27.8



#46

1,1'-Biphenyl

Concen: 47.506 ng

RT: 9.034 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

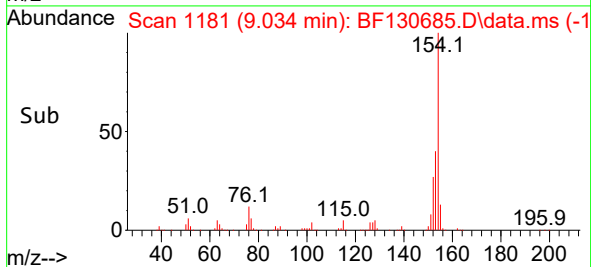
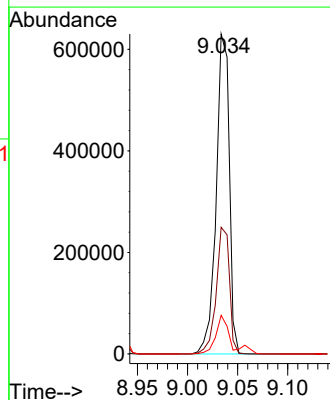
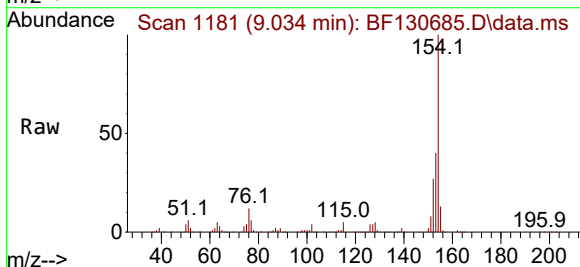
Tgt Ion:154 Resp: 572095

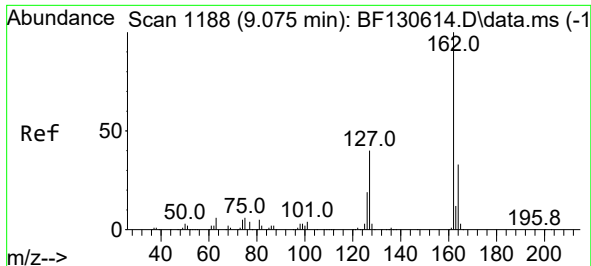
Ion Ratio Lower Upper

154 100

153 39.6 20.0 60.0

76 12.1 0.0 30.8





#47

2-Chloronaphthalene

Concen: 45.492 ng

RT: 9.057 min Scan# 1188

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

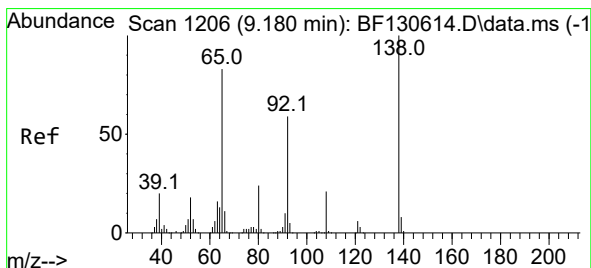
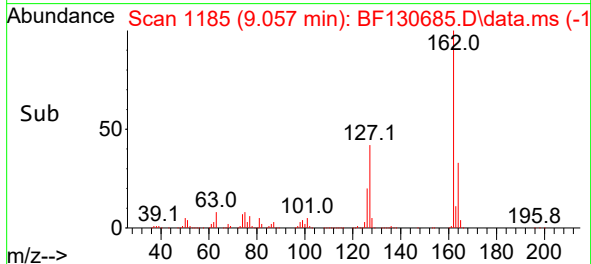
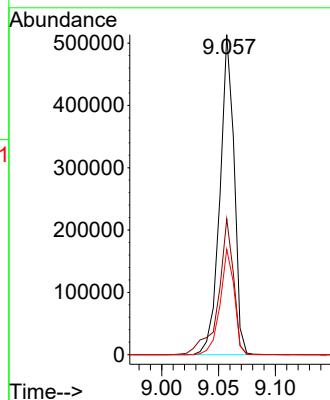
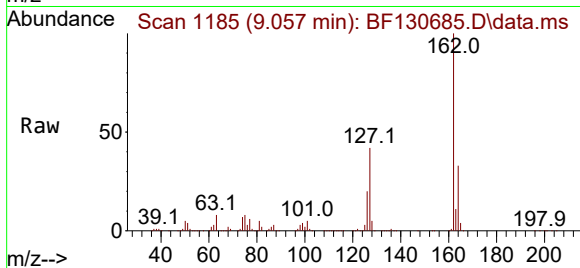
Tgt Ion:162 Resp: 447747

Ion Ratio Lower Upper

162 100

127 42.5 32.6 49.0

164 33.0 26.3 39.5



#48

2-Nitroaniline

Concen: 44.968 ng

RT: 9.169 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

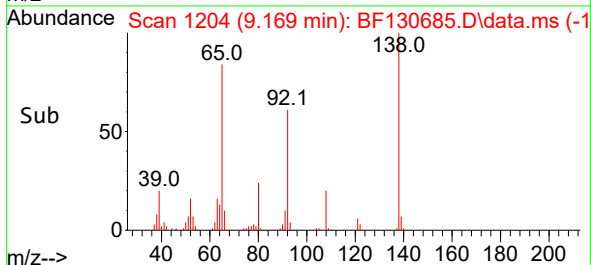
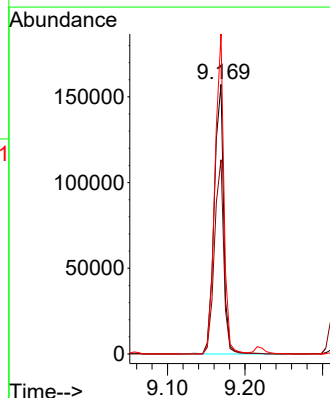
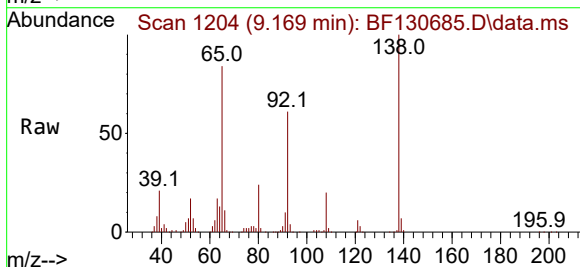
Tgt Ion: 65 Resp: 133231

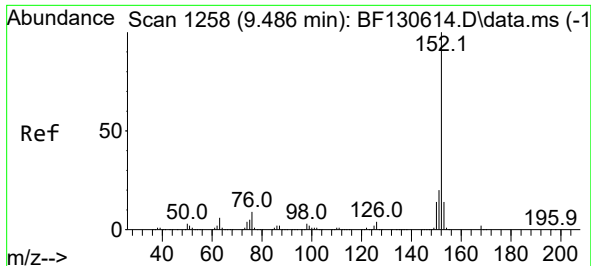
Ion Ratio Lower Upper

65 100

92 72.0 57.4 86.0

138 118.7 96.7 145.1

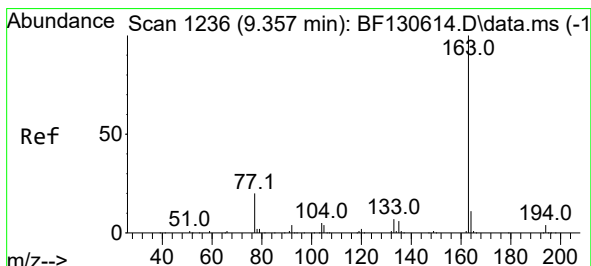
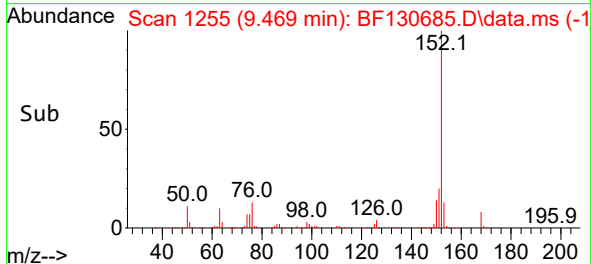
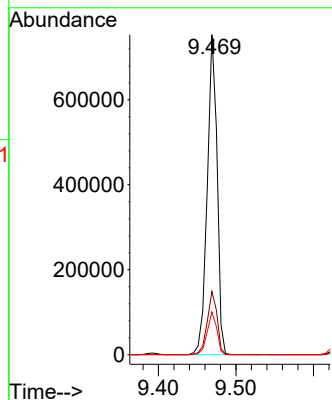
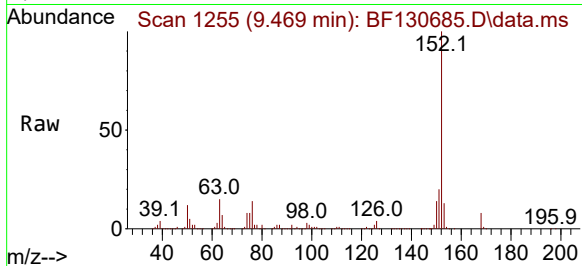




#49  
Acenaphthylene  
Concen: 45.052 ng  
RT: 9.469 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

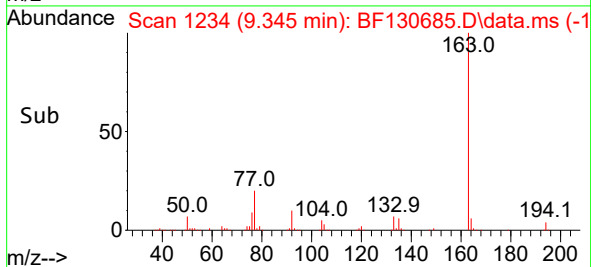
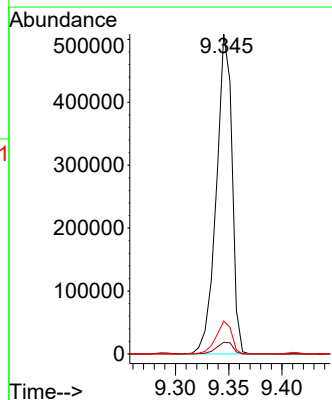
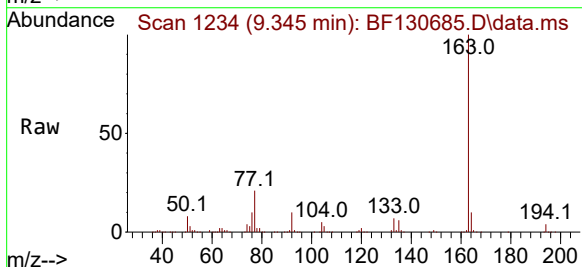
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

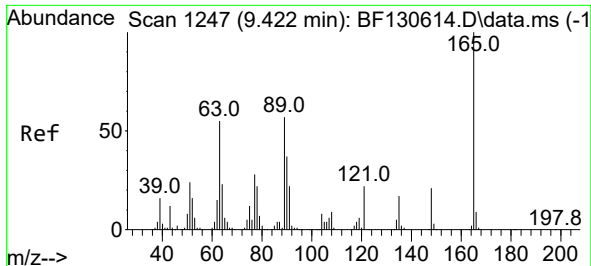
Tgt Ion:152 Resp: 664383  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.2 24.2  
153 13.4 10.8 16.2



#50  
Dimethylphthalate  
Concen: 45.200 ng  
RT: 9.345 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:163 Resp: 519921  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.0 4.6  
164 10.3 8.5 12.7

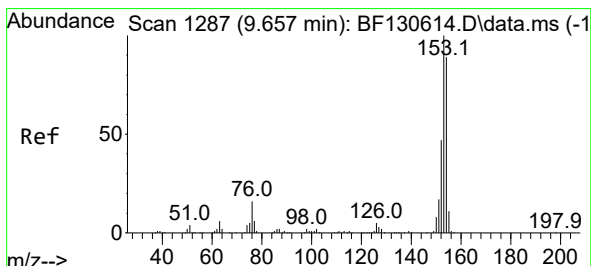
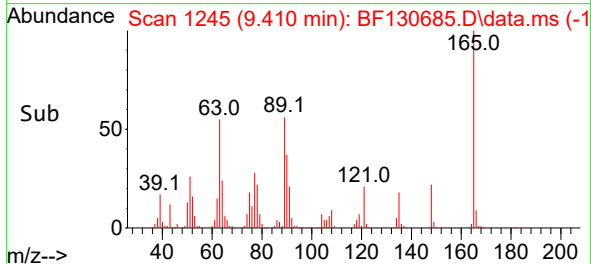
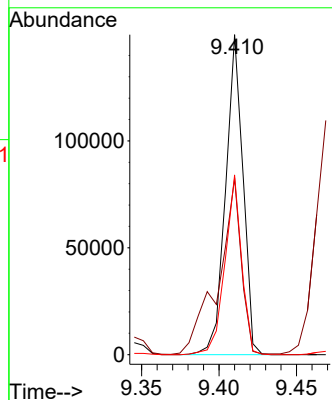
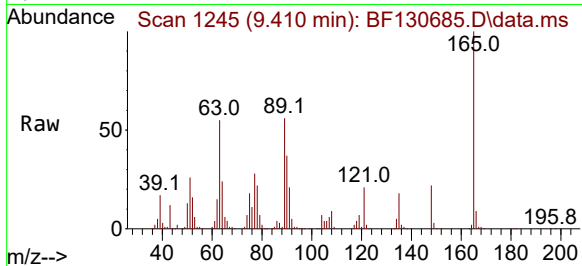




#51  
2,6-Dinitrotoluene  
Concen: 46.259 ng  
RT: 9.410 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

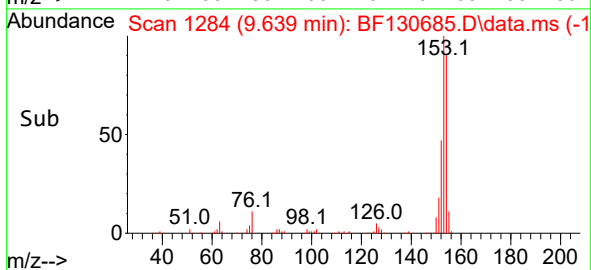
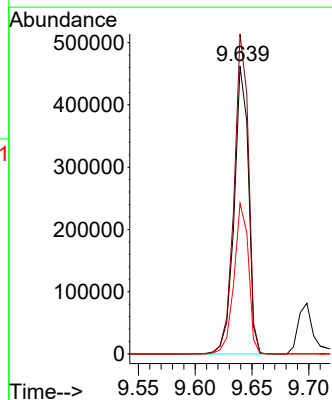
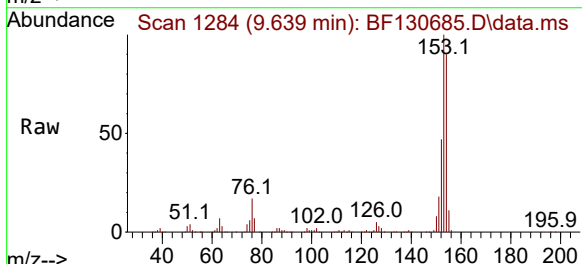
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

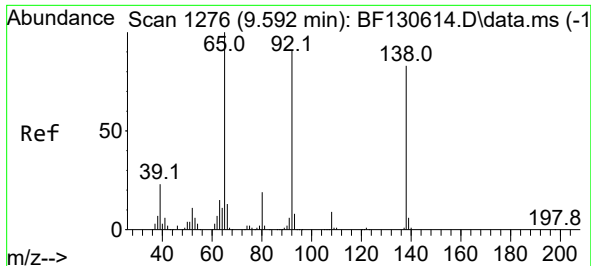
Tgt Ion:165 Resp: 116721  
Ion Ratio Lower Upper  
165 100  
63 55.1 45.3 67.9  
89 56.1 45.6 68.4



#52  
Acenaphthene  
Concen: 45.313 ng  
RT: 9.639 min Scan# 1284  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:154 Resp: 404859  
Ion Ratio Lower Upper  
154 100  
153 111.2 89.6 134.4  
152 52.3 42.4 63.6

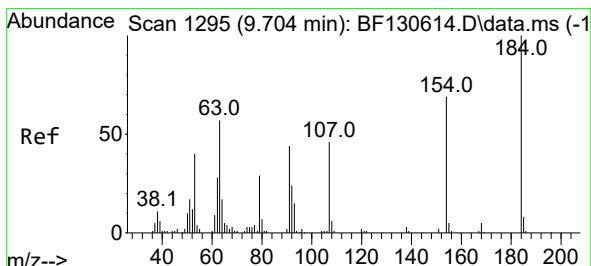
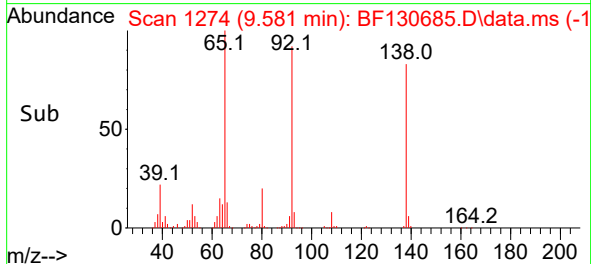
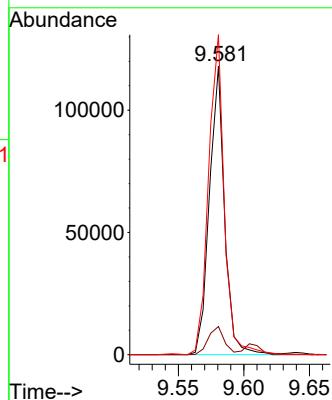
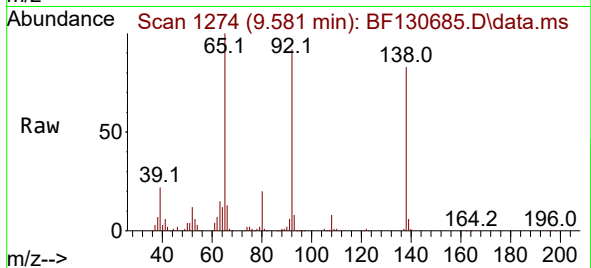




#53  
3-Nitroaniline  
Concen: 34.534 ng  
RT: 9.581 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

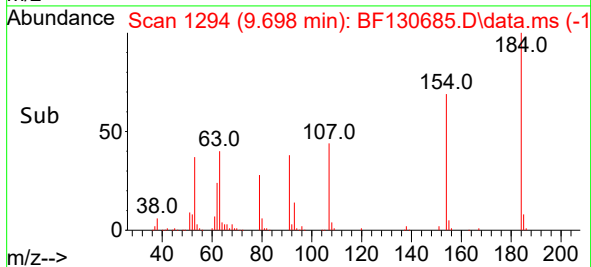
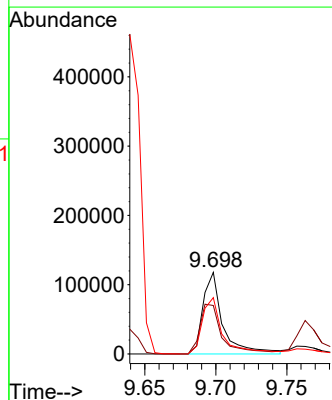
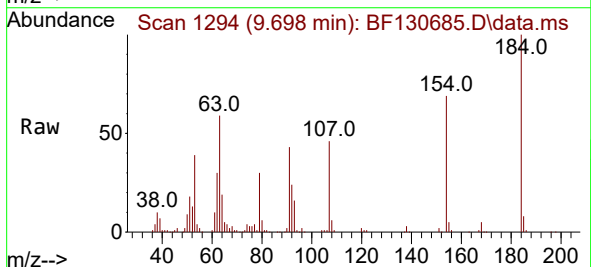
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

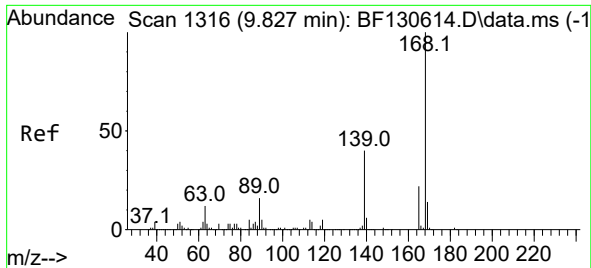
Tgt Ion:138 Resp: 95516  
Ion Ratio Lower Upper  
138 100  
108 9.7 8.4 12.6  
92 110.9 88.2 132.4



#54  
2,4-Dinitrophenol  
Concen: 88.843 ng  
RT: 9.698 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:184 Resp: 114983  
Ion Ratio Lower Upper  
184 100  
63 59.5 45.5 68.3  
154 69.1 55.1 82.7

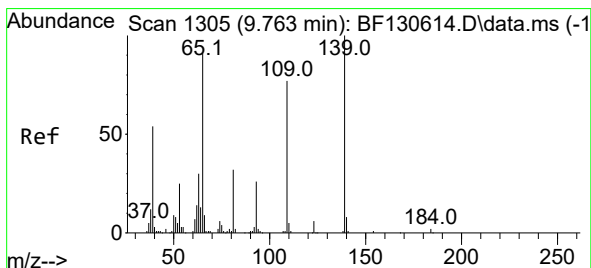
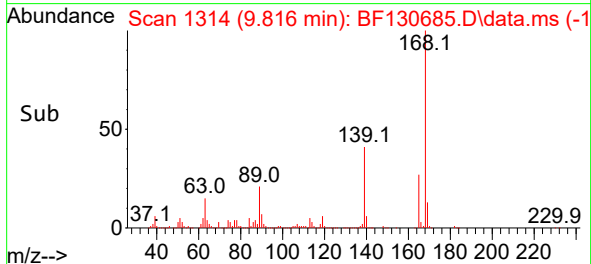
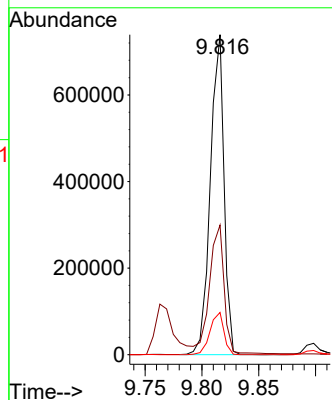
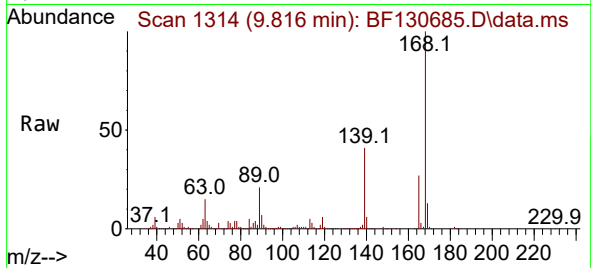




#55  
Dibenzenofuran  
Concen: 45.360 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

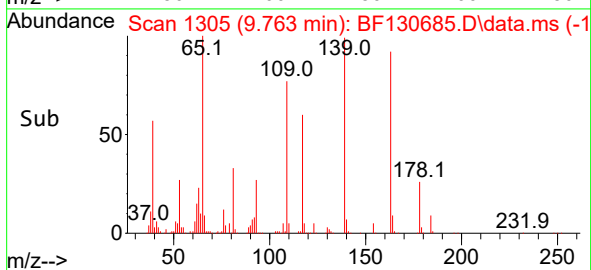
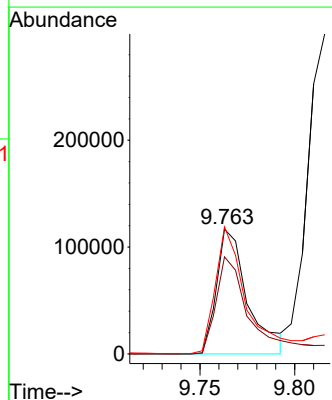
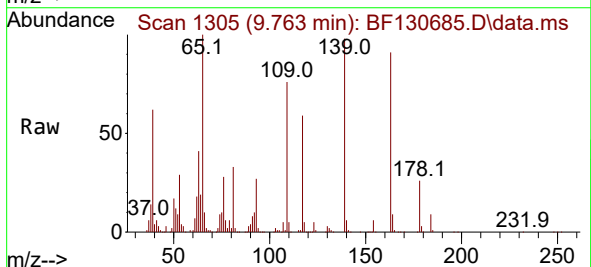
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

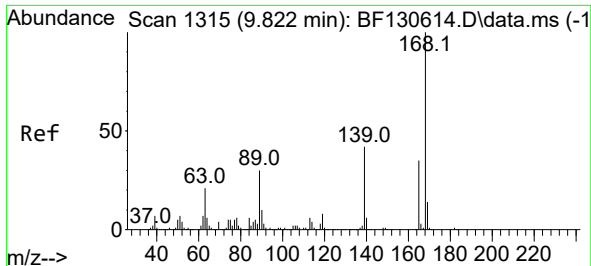
Tgt Ion:168 Resp: 617398  
Ion Ratio Lower Upper  
168 100  
139 40.5 33.0 49.4  
169 13.2 10.9 16.3



#56  
4-Nitrophenol  
Concen: 87.970 ng  
RT: 9.763 min Scan# 1305  
Delta R.T. 0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:139 Resp: 134155  
Ion Ratio Lower Upper  
139 100  
109 77.8 57.4 97.4  
65 101.9 71.3 111.3





#57

2,4-Dinitrotoluene

Concen: 49.152 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

Tgt Ion:165 Resp: 159391

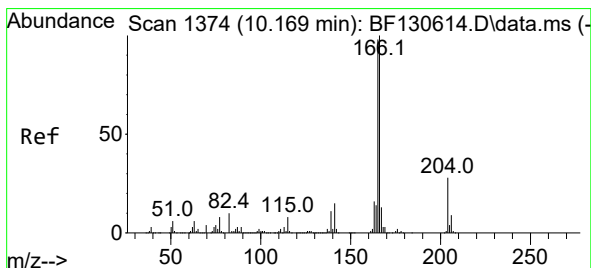
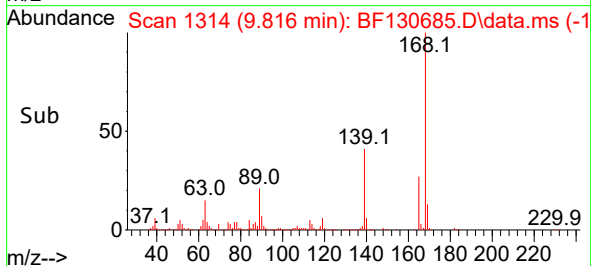
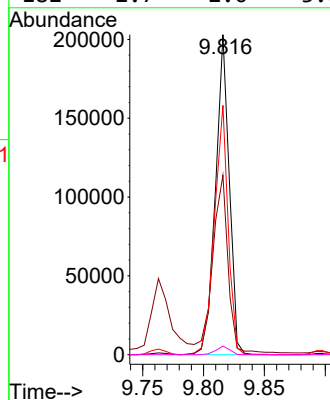
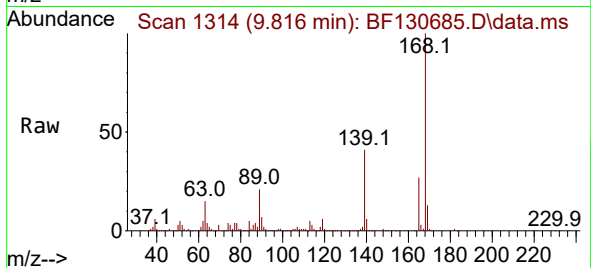
Ion Ratio Lower Upper

165 100

63 56.1 50.6 76.0

89 77.9 68.6 102.8

182 2.7 2.0 3.0



#58

Fluorene

Concen: 45.447 ng

RT: 10.157 min Scan# 1372

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

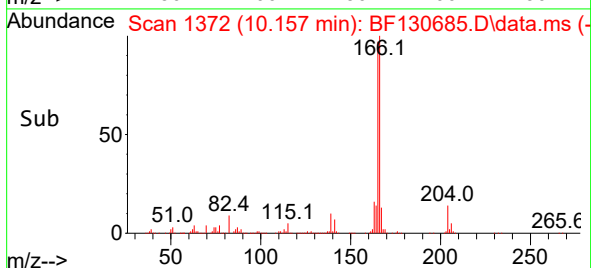
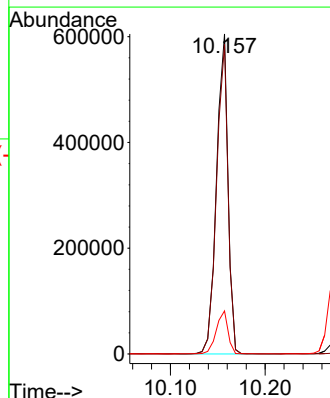
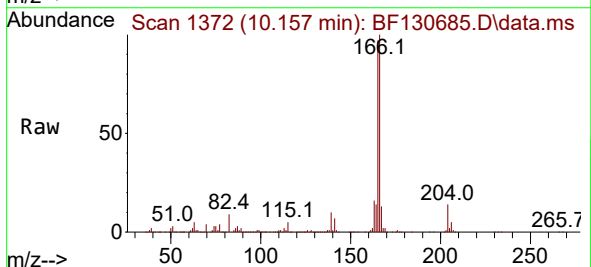
Tgt Ion:166 Resp: 508555

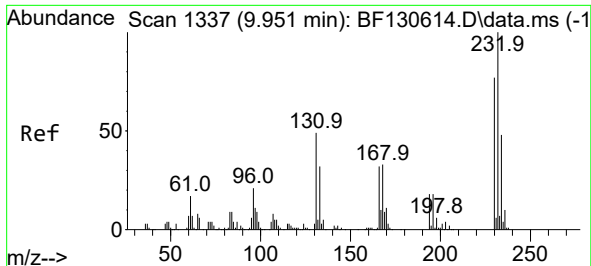
Ion Ratio Lower Upper

166 100

165 96.8 78.2 117.4

167 13.4 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 45.657 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

Tgt Ion:232 Resp: 121172

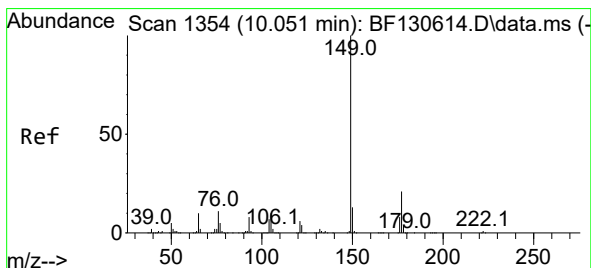
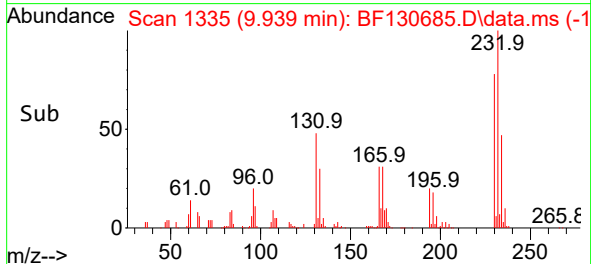
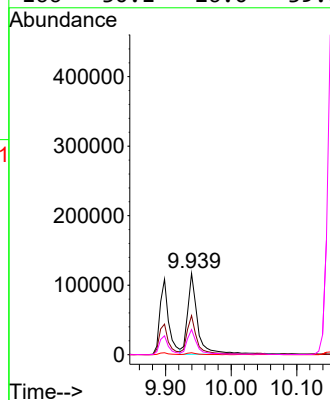
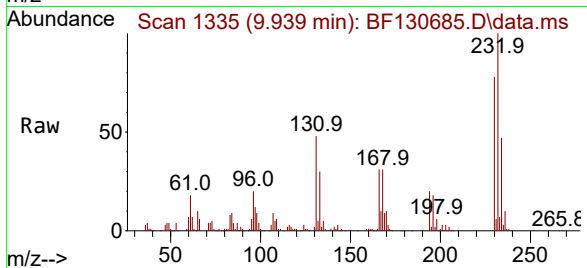
Ion Ratio Lower Upper

232 100

131 49.1 41.4 62.0

130 2.6 2.1 3.1

166 30.1 26.0 39.0



#60

Diethylphthalate

Concen: 44.409 ng

RT: 10.045 min Scan# 1353

Delta R.T. 0.006 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

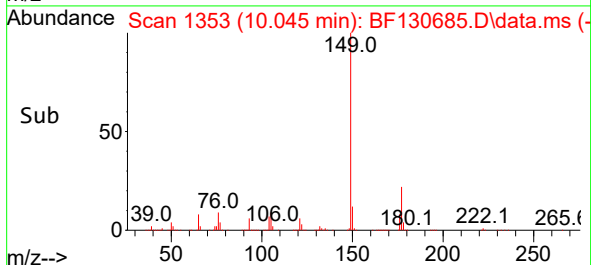
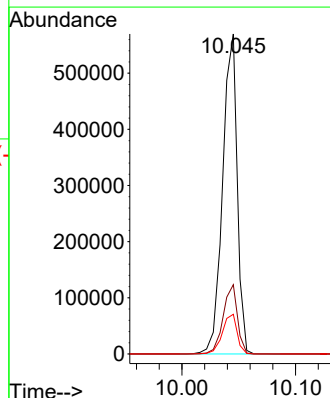
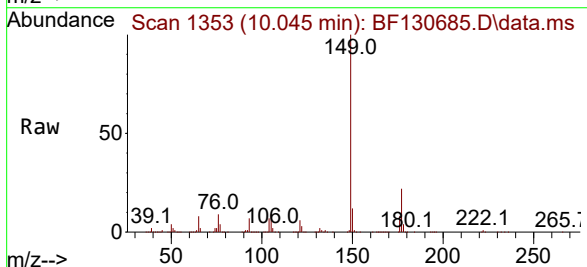
Tgt Ion:149 Resp: 509670

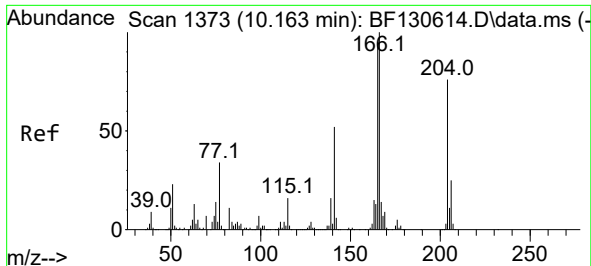
Ion Ratio Lower Upper

149 100

177 21.7 16.7 25.1

150 12.4 10.5 15.7

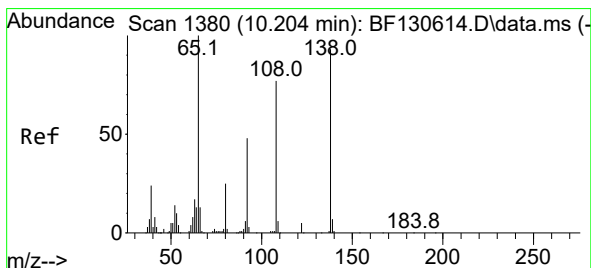
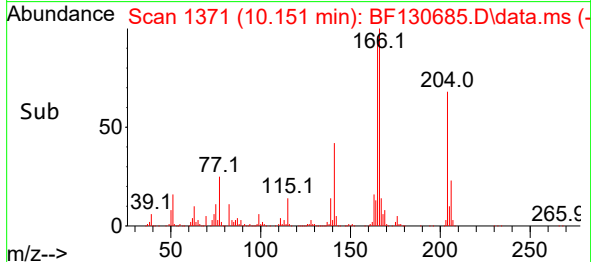
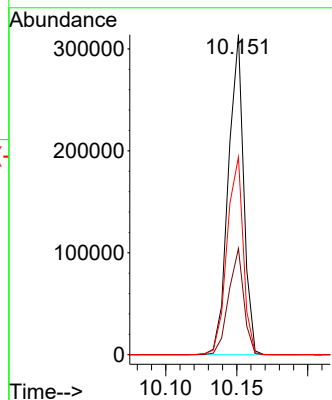
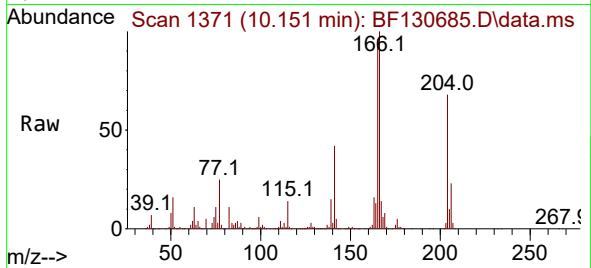




#61  
4-Chlorophenyl-phenylether  
Concen: 46.407 ng  
RT: 10.151 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

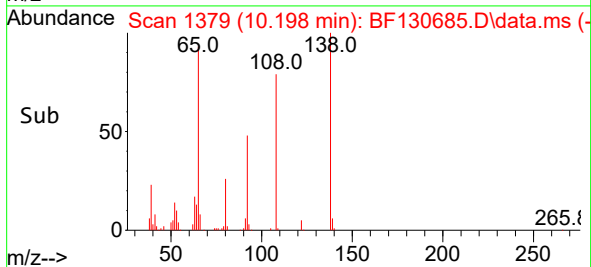
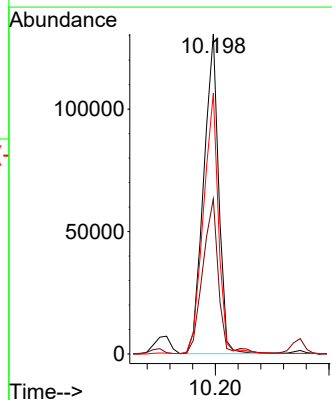
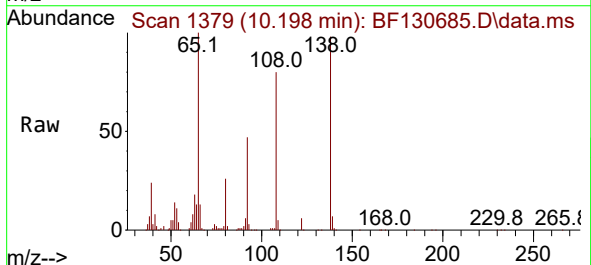
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

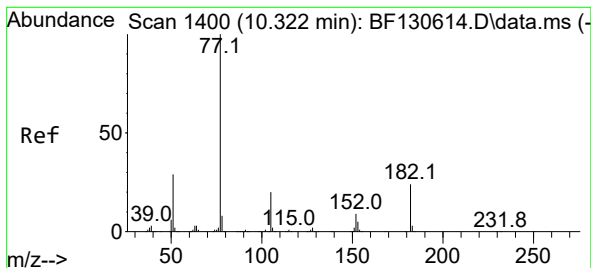
Tgt Ion:204 Resp: 234778  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.1 39.1  
141 61.8 54.6 81.8



#62  
4-Nitroaniline  
Concen: 45.568 ng  
RT: 10.198 min Scan# 1379  
Delta R.T. 0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:138 Resp: 120332  
Ion Ratio Lower Upper  
138 100  
92 48.4 31.1 71.1  
108 81.5 62.1 102.1





#63

Azobenzene

Concen: 42.516 ng

RT: 10.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

Tgt Ion: 77 Resp: 459585

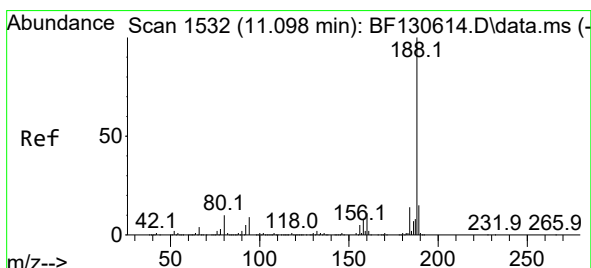
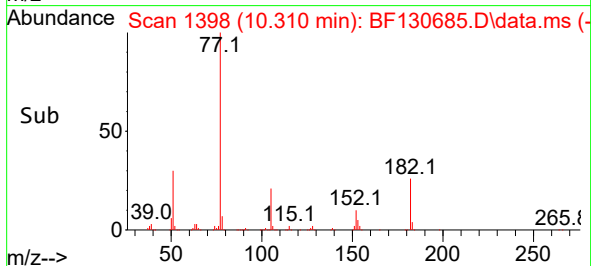
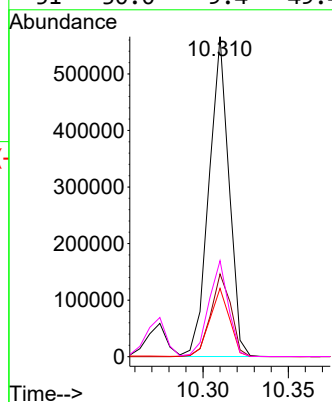
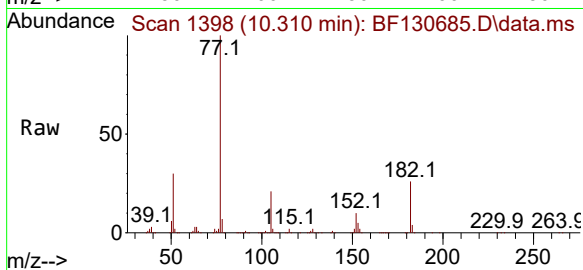
Ion Ratio Lower Upper

77 100

182 25.9 3.8 43.8

105 21.3 0.3 40.3

51 30.0 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.086 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

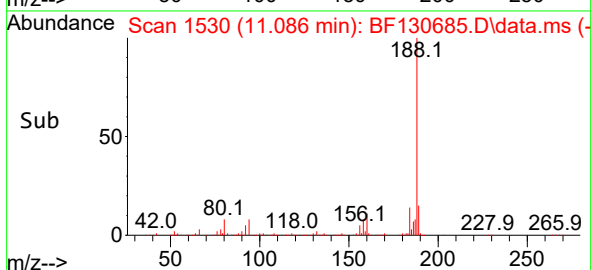
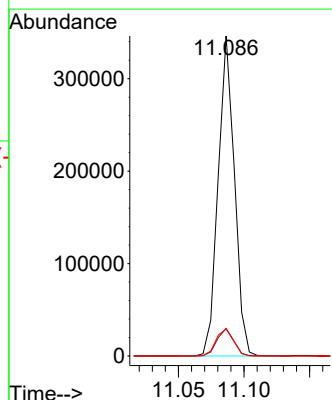
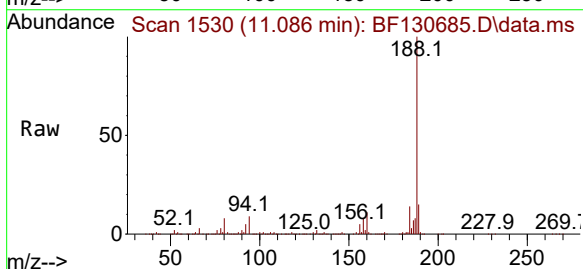
Tgt Ion: 188 Resp: 299023

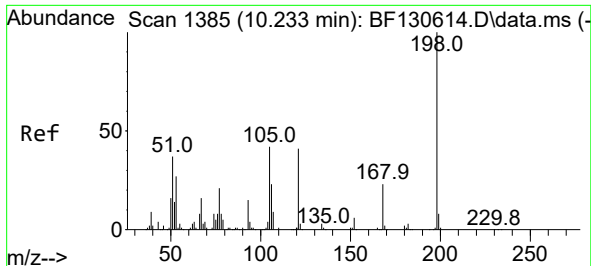
Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

80 8.4 8.0 12.0

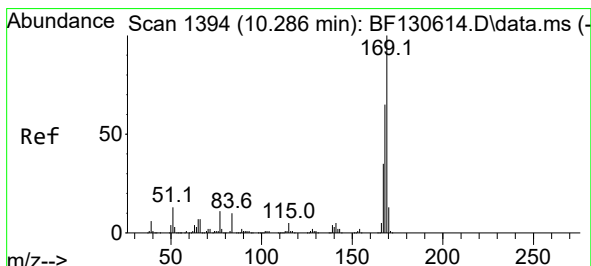
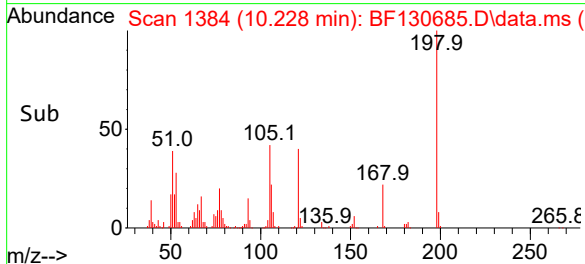
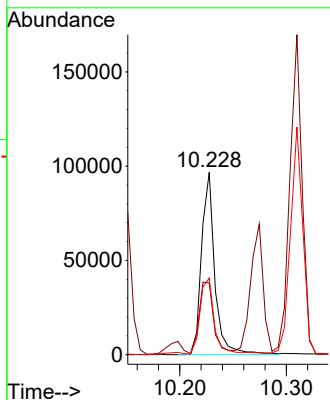
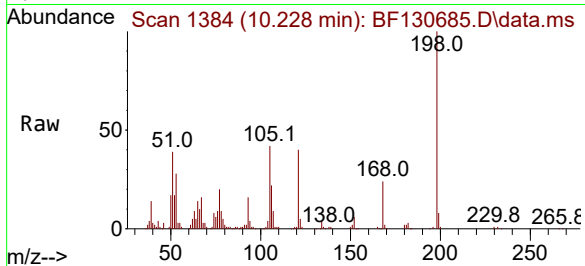




#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.956 ng  
RT: 10.228 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

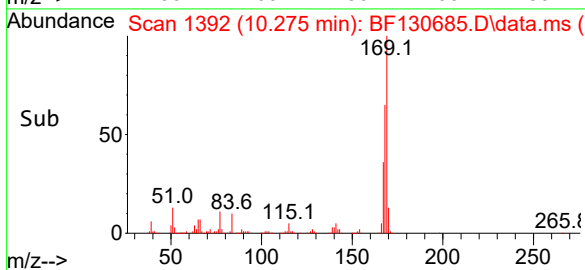
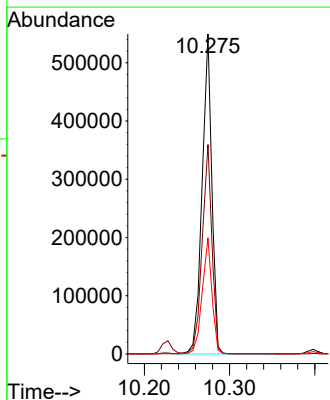
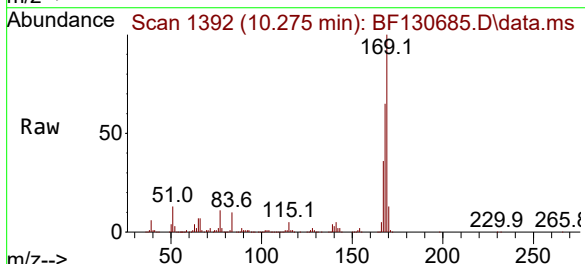
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

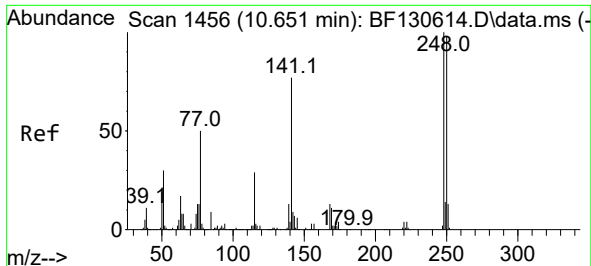
Tgt Ion:198 Resp: 84007  
Ion Ratio Lower Upper  
198 100  
51 39.3 18.7 58.7  
105 42.0 22.0 62.0



#66  
n-Nitrosodiphenylamine  
Concen: 43.898 ng  
RT: 10.275 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:169 Resp: 436639  
Ion Ratio Lower Upper  
169 100  
168 65.4 52.2 78.4  
167 36.3 28.3 42.5

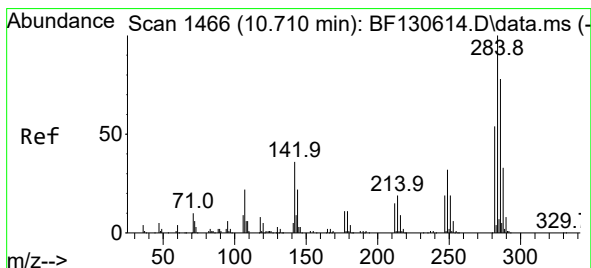
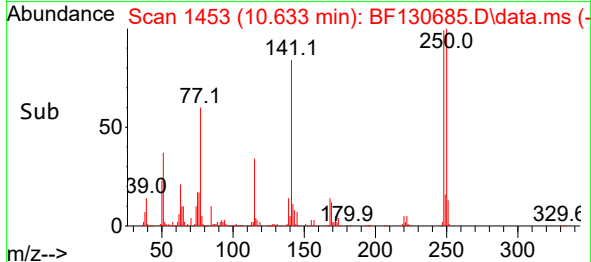
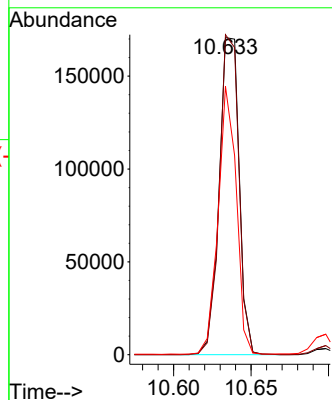
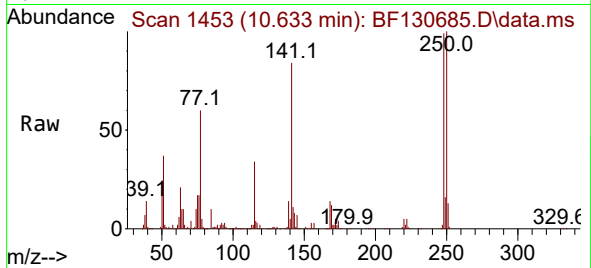




#67  
4-Bromophenyl-phenylether  
Concen: 45.398 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. -0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

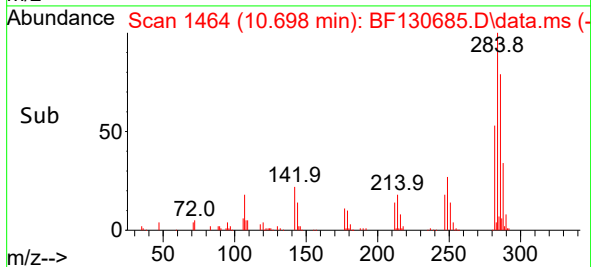
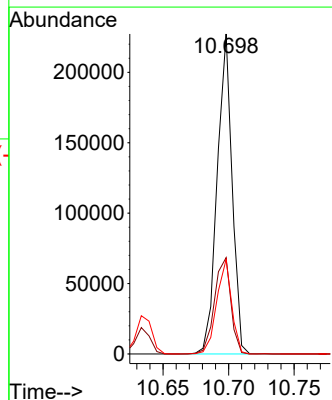
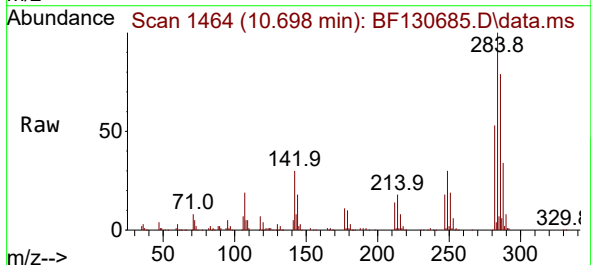
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

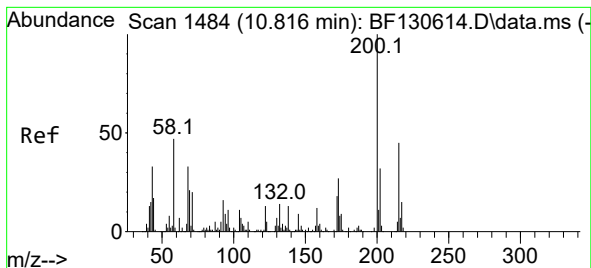
Tgt Ion:248 Resp: 153601  
Ion Ratio Lower Upper  
248 100  
250 100.9 78.7 118.1  
141 84.6 61.6 92.4



#68  
Hexachlorobenzene  
Concen: 46.976 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:284 Resp: 179669  
Ion Ratio Lower Upper  
284 100  
142 30.1 28.6 42.8  
249 29.6 25.2 37.8





#69

Atrazine

Concen: 54.341 ng

RT: 10.810 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

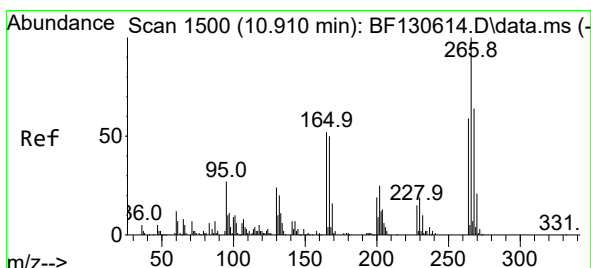
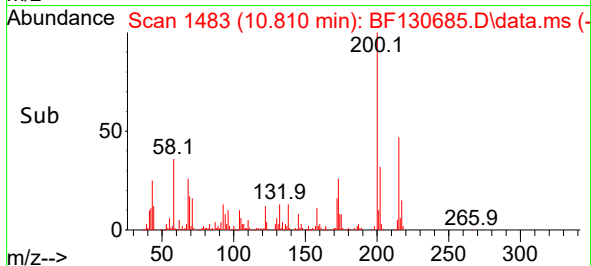
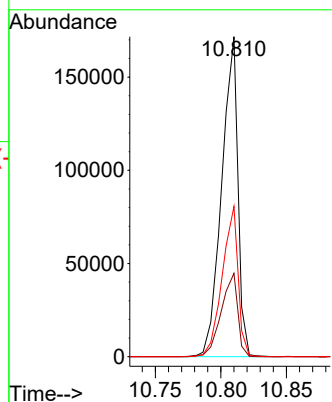
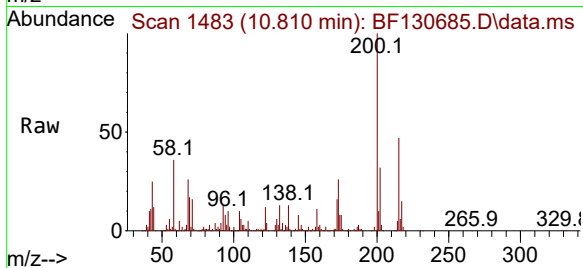
Tgt Ion:200 Resp: 147185

Ion Ratio Lower Upper

200 100

173 26.1 7.1 47.1

215 46.9 24.9 64.9



#70

Pentachlorophenol

Concen: 92.348 ng

RT: 10.904 min Scan# 1499

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

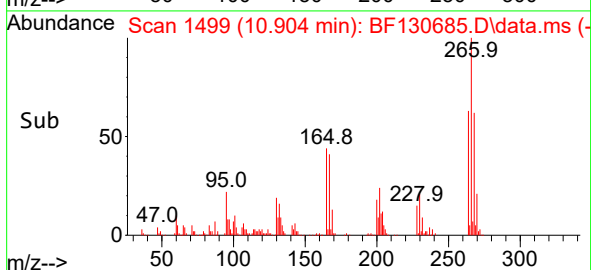
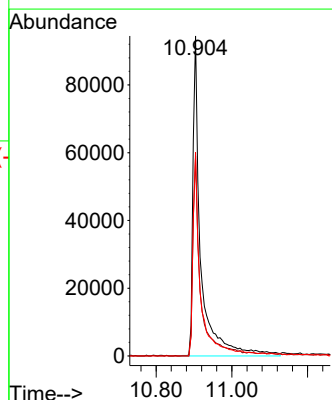
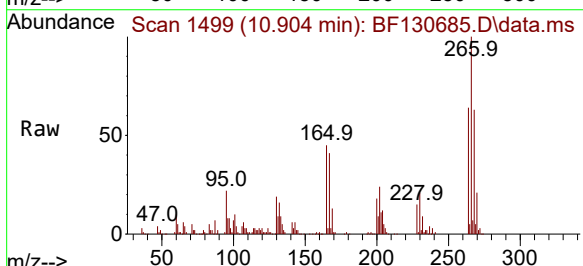
Tgt Ion:266 Resp: 137467

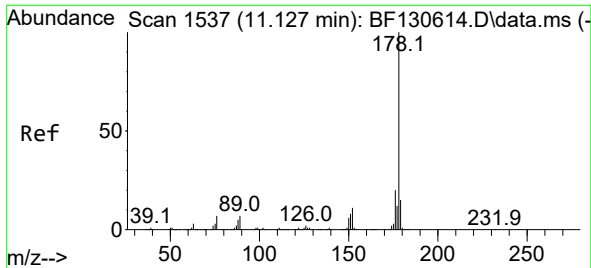
Ion Ratio Lower Upper

266 100

268 62.5 50.8 76.2

264 63.6 47.5 71.3

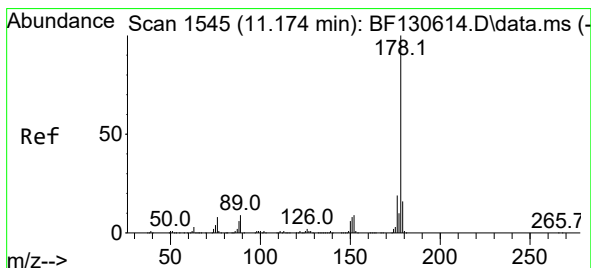
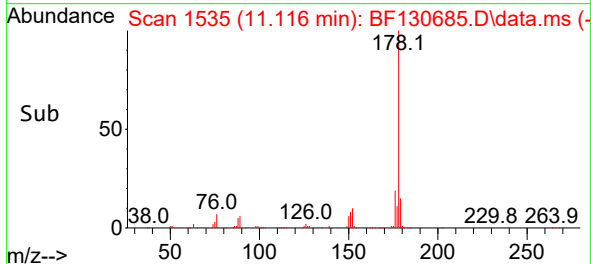
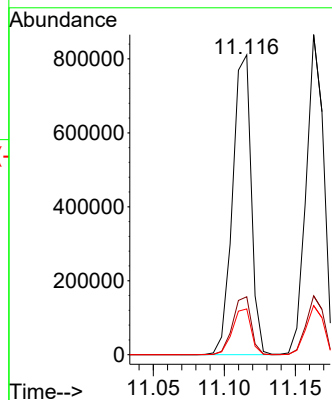
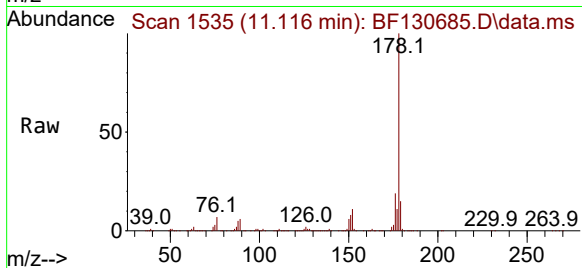




#71  
Phenanthrene  
Concen: 44.825 ng  
RT: 11.116 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

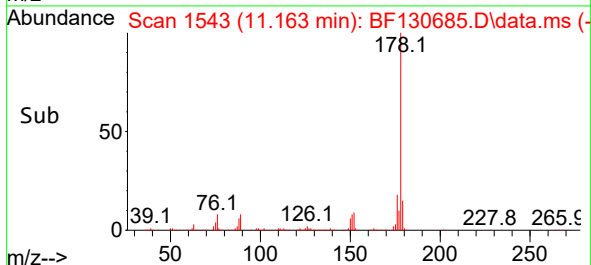
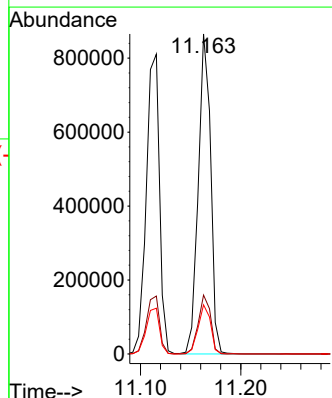
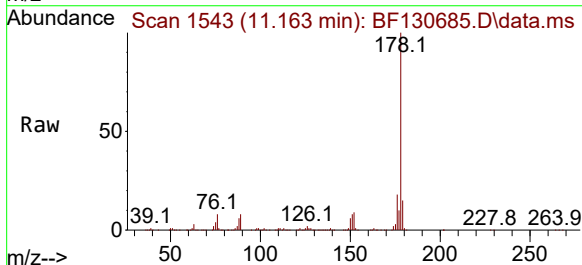
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

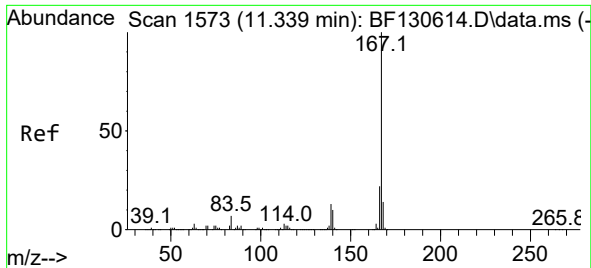
Tgt Ion:178 Resp: 742609  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.7 23.5  
179 15.3 12.2 18.4



#72  
Anthracene  
Concen: 45.902 ng  
RT: 11.163 min Scan# 1543  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

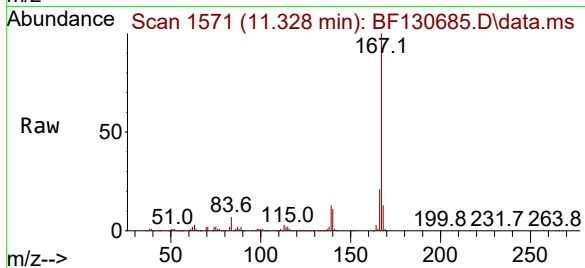
Tgt Ion:178 Resp: 742690  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.0 22.4  
179 15.3 12.5 18.7



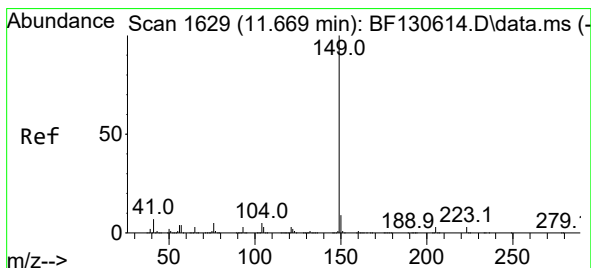
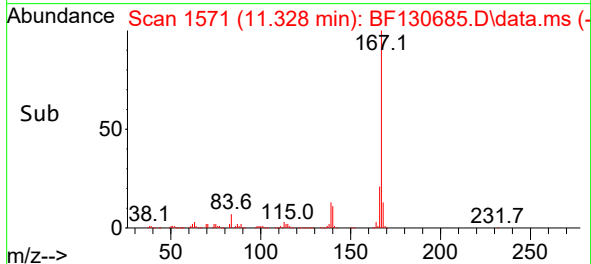
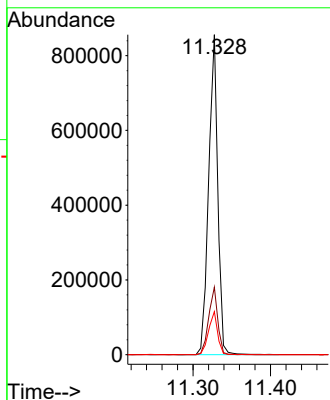


#73  
 Carbazole  
 Concen: 48.264 ng  
 RT: 11.328 min Scan# 1571  
 Delta R.T. 0.000 min  
 Lab File: BF130685.D  
 Acq: 17 Oct 2022 14:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148379BSD

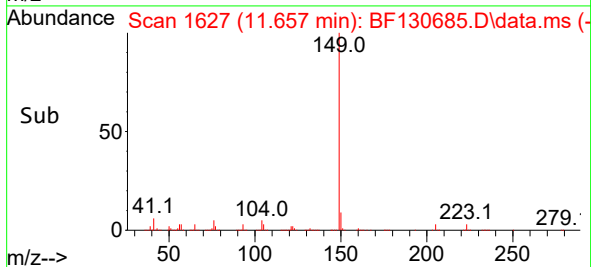
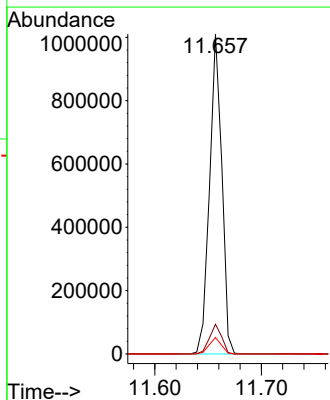
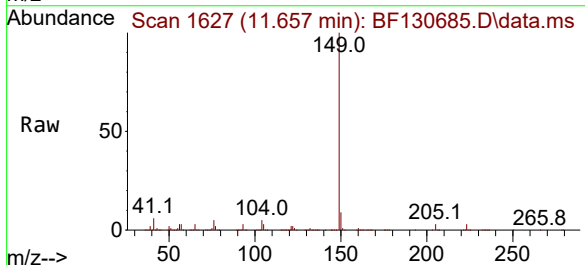


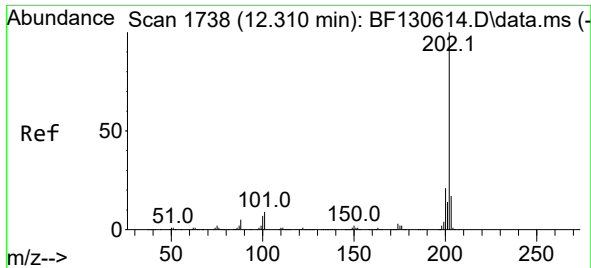
Tgt Ion:167 Resp: 696813  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 17.3 25.9  
 139 13.4 10.7 16.1



#74  
 Di-n-butylphthalate  
 Concen: 46.175 ng  
 RT: 11.657 min Scan# 1627  
 Delta R.T. 0.000 min  
 Lab File: BF130685.D  
 Acq: 17 Oct 2022 14:17

Tgt Ion:149 Resp: 807538  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.5 11.3  
 104 5.2 4.2 6.2

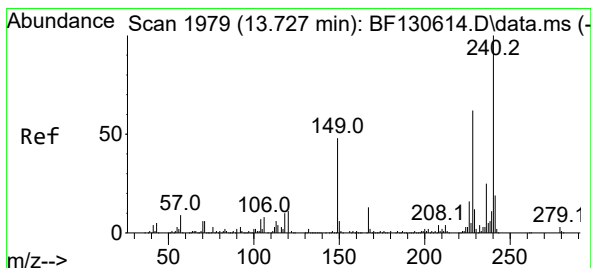
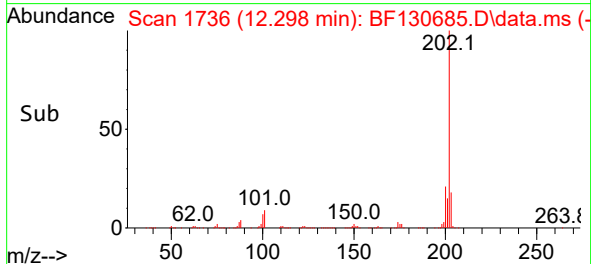
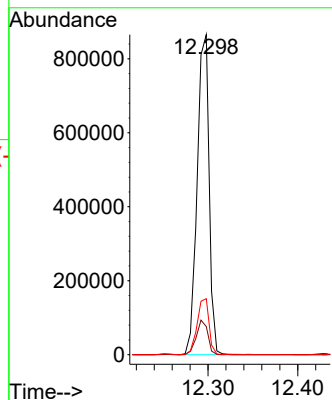
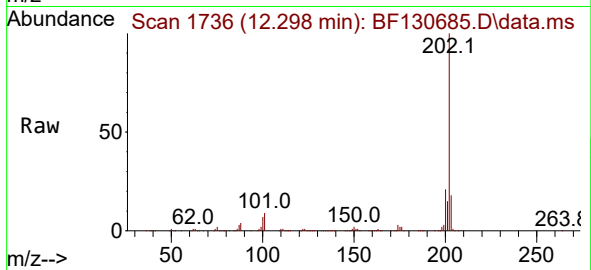




#75  
Fluoranthene  
Concen: 50.232 ng  
RT: 12.298 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

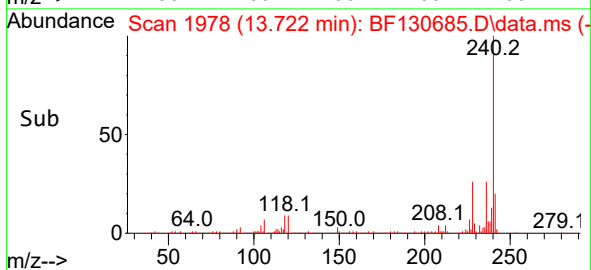
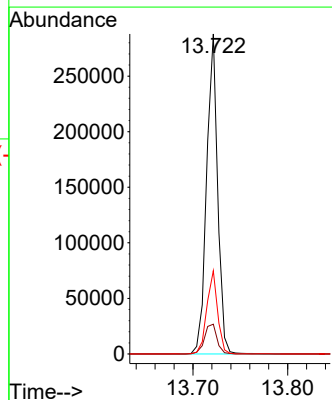
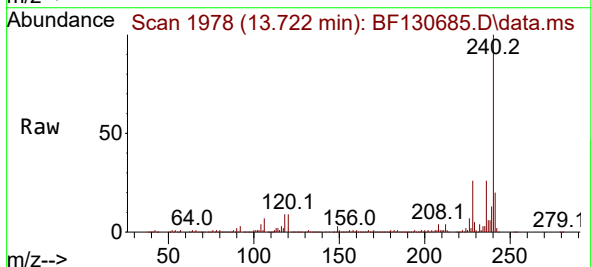
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

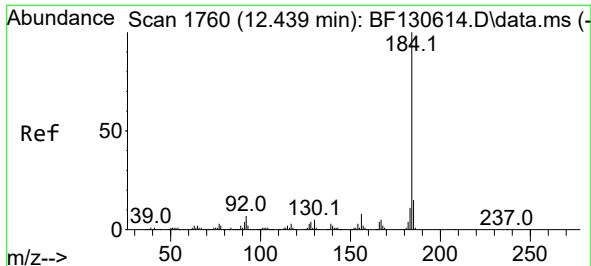
Tgt Ion:202 Resp: 799815  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 29.1  
203 17.5 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.722 min Scan# 1978  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:240 Resp: 233113  
Ion Ratio Lower Upper  
240 100  
120 9.3 8.6 13.0  
236 26.0 20.2 30.4

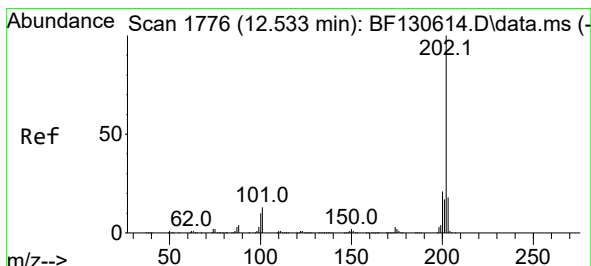
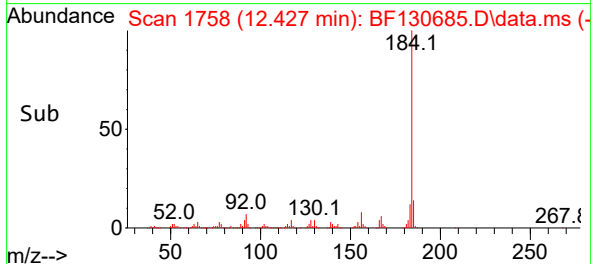
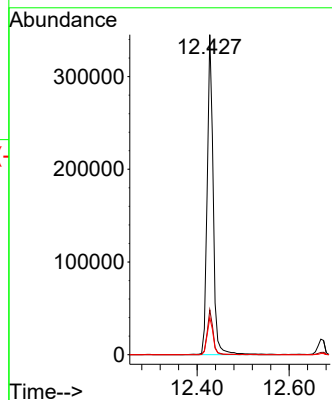
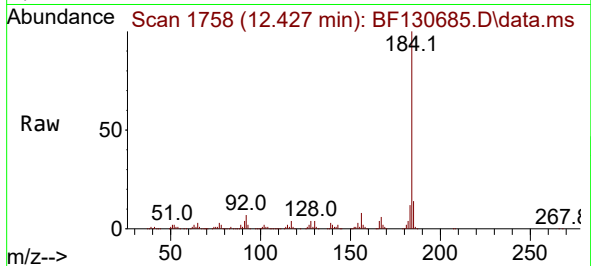




#77  
Benzidine  
Concen: 53.401 ng  
RT: 12.427 min Scan# 1758  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

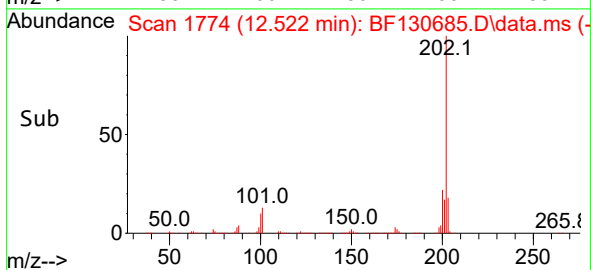
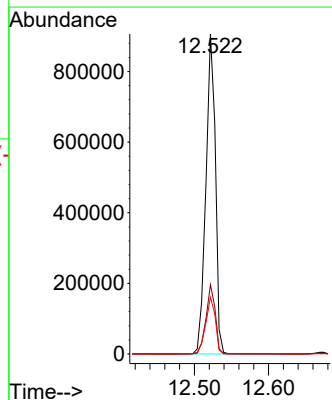
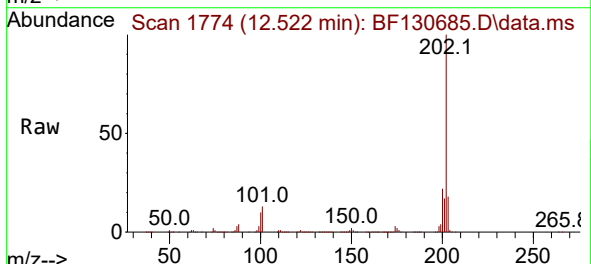
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

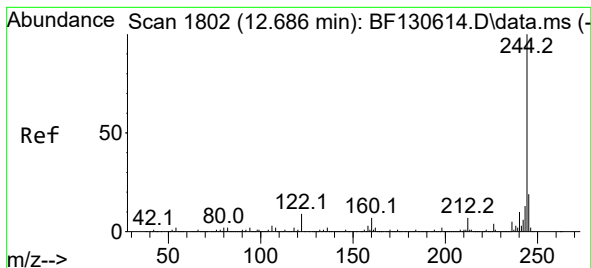
Tgt Ion:184 Resp: 314653  
Ion Ratio Lower Upper  
184 100  
185 14.0 12.0 18.0  
183 11.5 9.0 13.4



#78  
Pyrene  
Concen: 40.343 ng  
RT: 12.522 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:202 Resp: 811327  
Ion Ratio Lower Upper  
202 100  
200 21.7 16.7 25.1  
203 17.8 14.0 21.0





#79

Terphenyl-d14

Concen: 84.941 ng

RT: 12.675 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

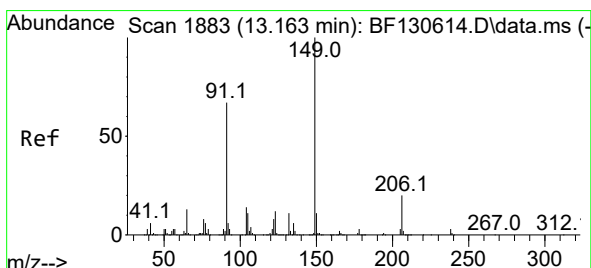
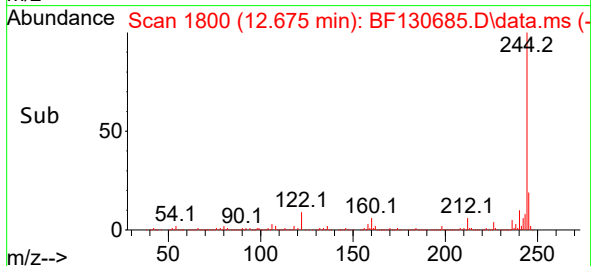
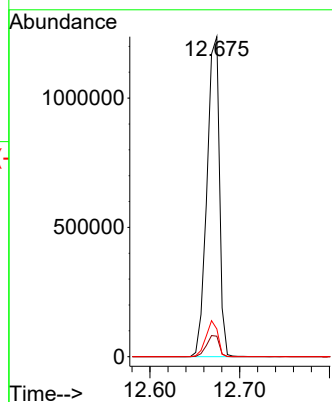
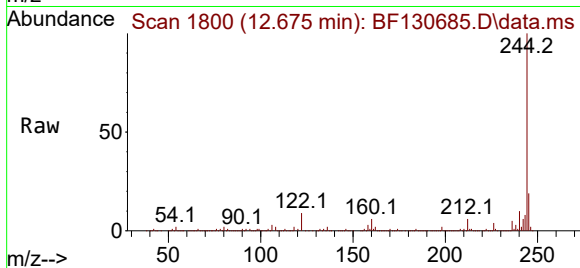
Tgt Ion:244 Resp: 1193011

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 8.7 7.5 11.3



#80

Butylbenzylphthalate

Concen: 44.709 ng

RT: 13.151 min Scan# 1881

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

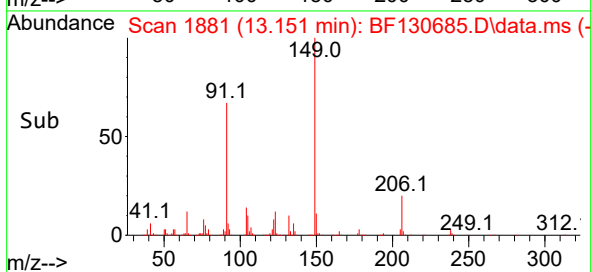
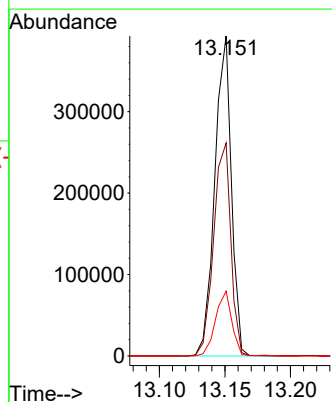
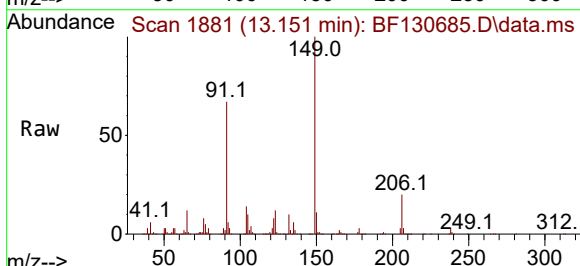
Tgt Ion:149 Resp: 345739

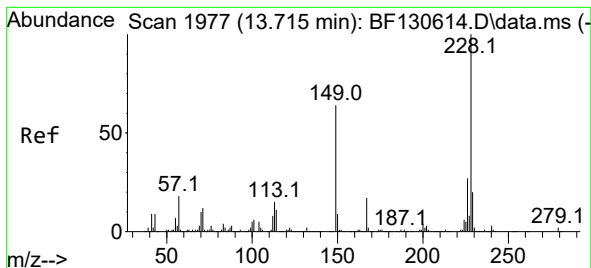
Ion Ratio Lower Upper

149 100

91 66.5 53.8 80.8

206 20.3 15.8 23.6





#81

Benzo(a)anthracene

Concen: 44.039 ng

RT: 13.710 min Scan# 1977

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

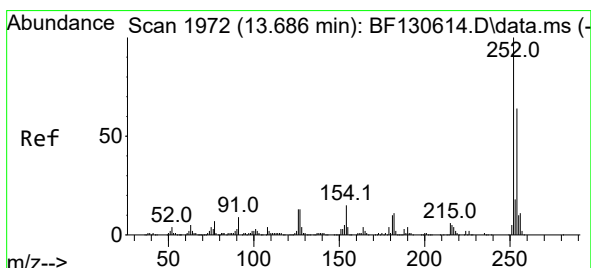
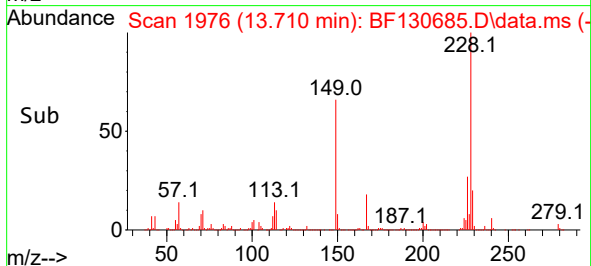
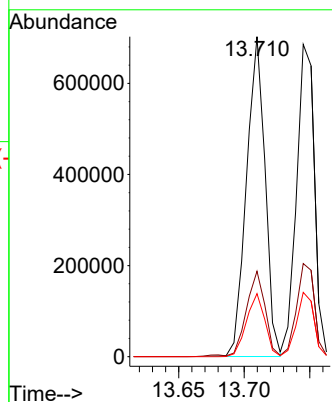
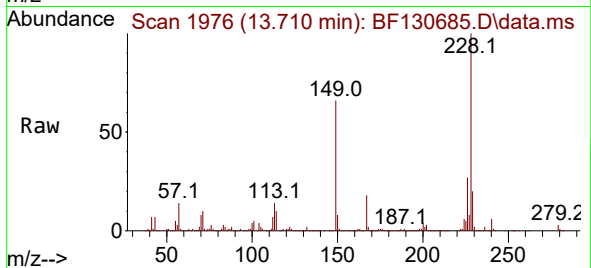
Tgt Ion:228 Resp: 691743

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.2

229 19.7 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 43.458 ng

RT: 13.680 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

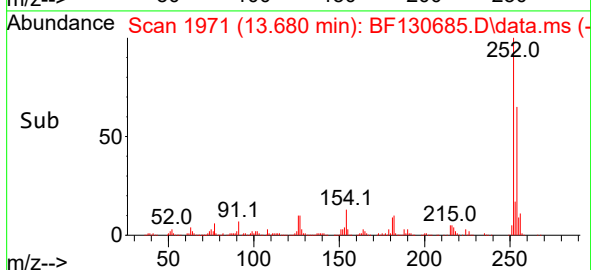
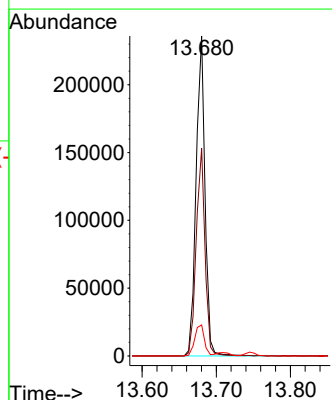
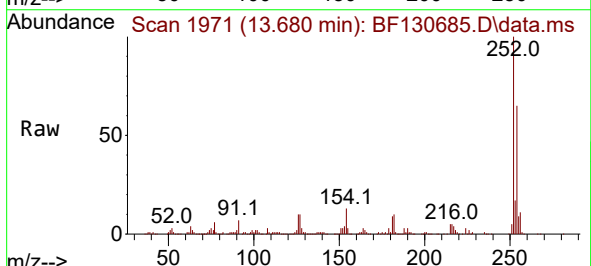
Tgt Ion:252 Resp: 197254

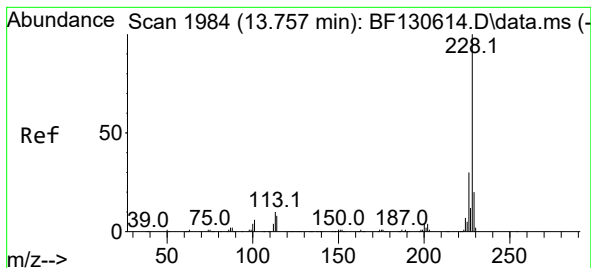
Ion Ratio Lower Upper

252 100

254 64.8 50.9 76.3

126 9.7 10.2 15.4





#83

Chrysene

Concen: 43.647 ng

RT: 13.745 min Scan# 1982

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

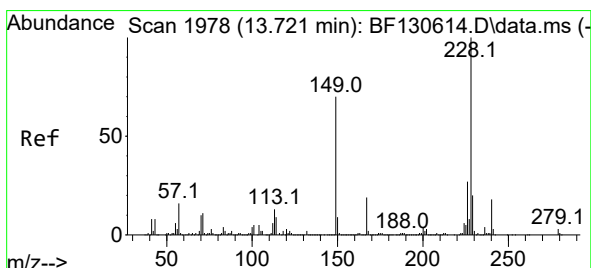
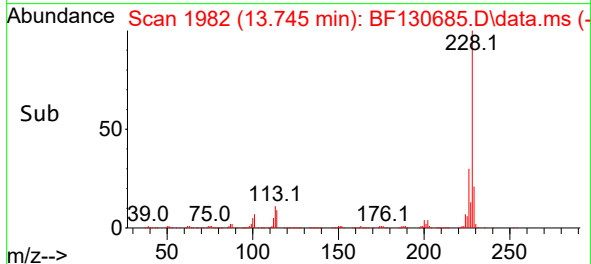
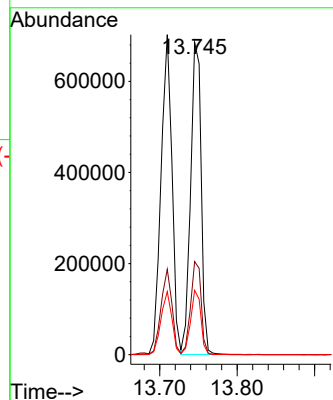
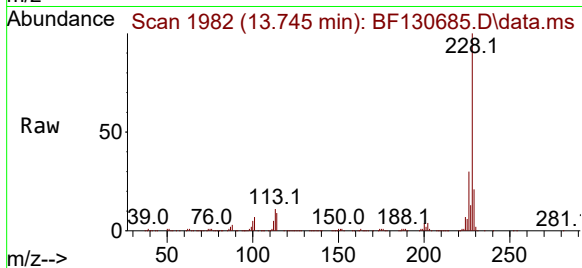
Tgt Ion:228 Resp: 650023

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 20.6 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.279 ng

RT: 13.710 min Scan# 1976

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

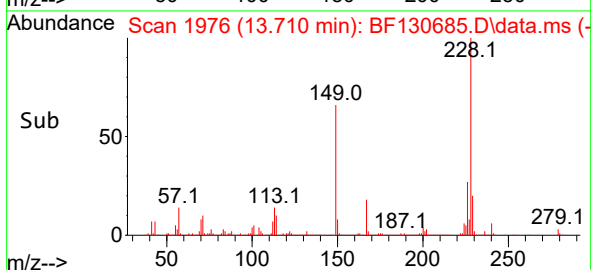
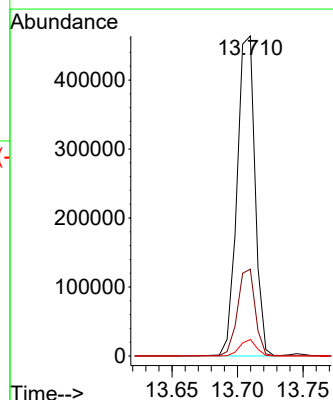
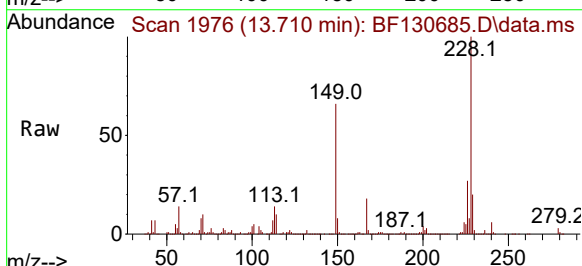
Tgt Ion:149 Resp: 443246

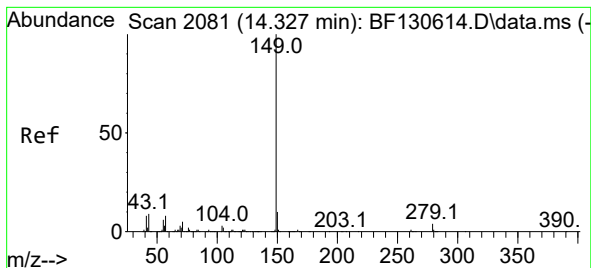
Ion Ratio Lower Upper

149 100

167 27.1 21.9 32.9

279 5.1 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 45.190 ng

RT: 14.316 min Scan# 2081

Delta R.T. 0.000 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

Instrument :

BNA\_F

ClientSampleId :

PB148379BSD

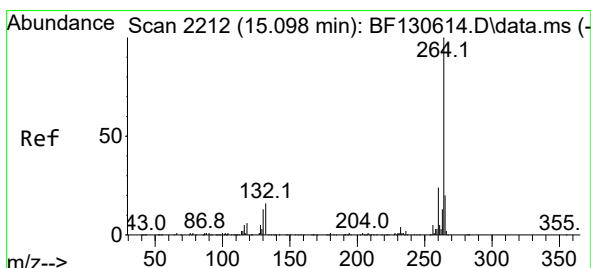
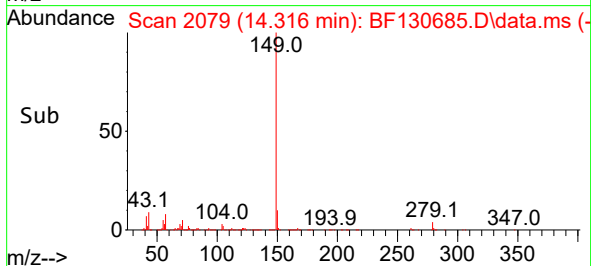
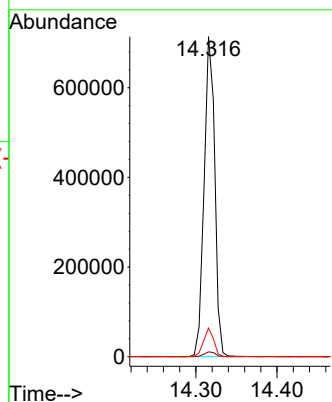
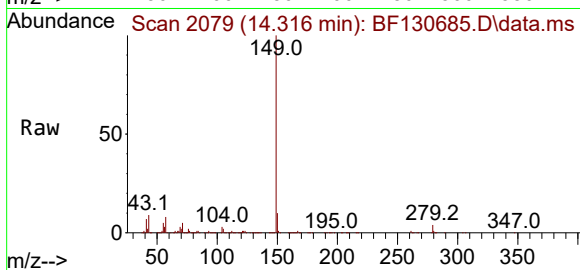
Tgt Ion:149 Resp: 648844

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.5 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.092 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF130685.D

Acq: 17 Oct 2022 14:17

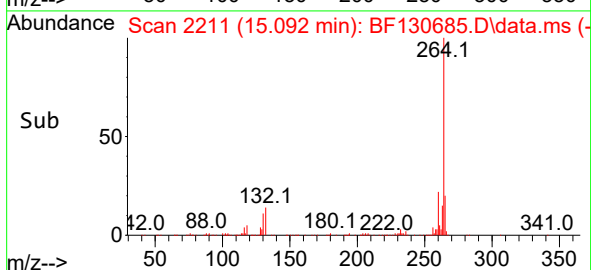
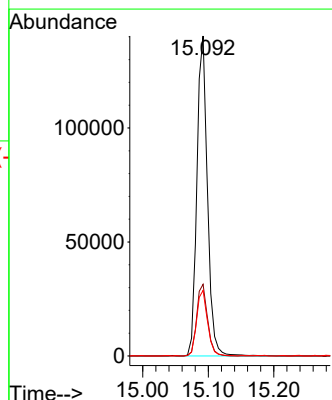
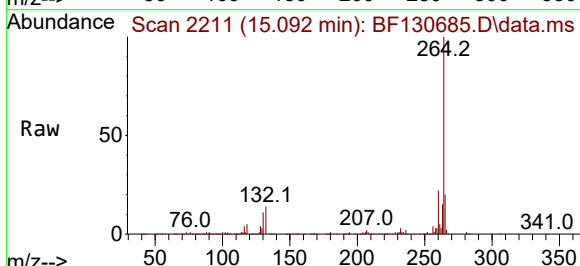
Tgt Ion:264 Resp: 157123

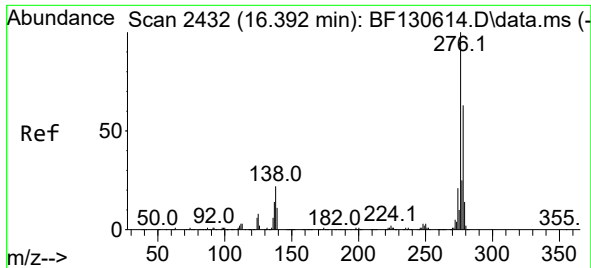
Ion Ratio Lower Upper

264 100

260 22.4 19.1 28.7

265 20.5 16.4 24.6

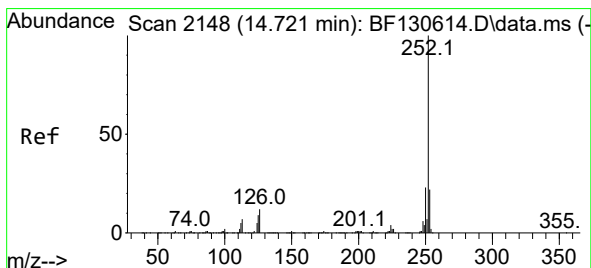
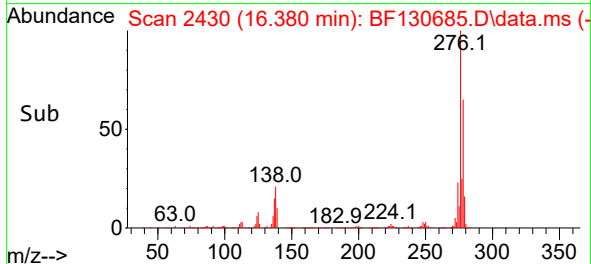
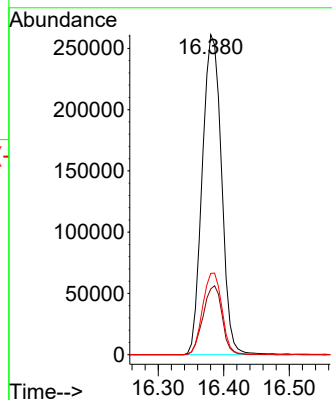
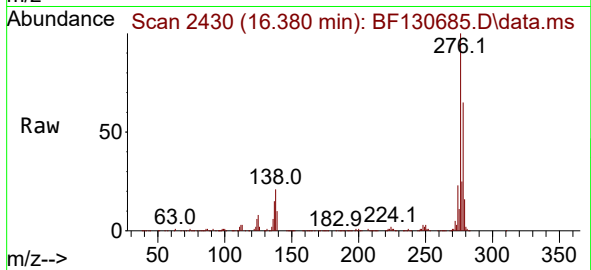




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 45.383 ng  
RT: 16.380 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

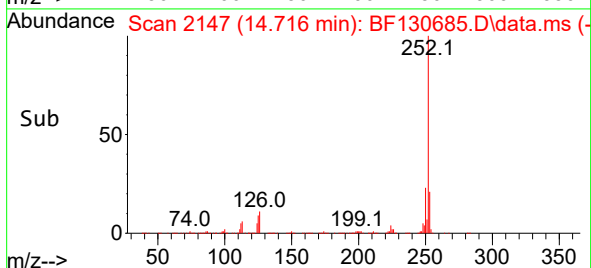
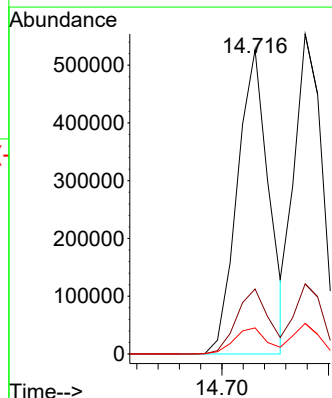
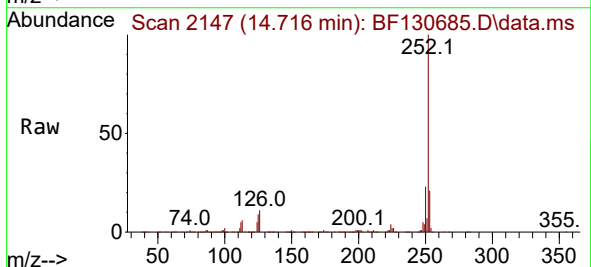
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

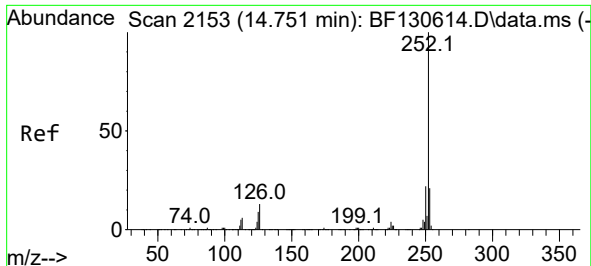
Tgt Ion:276 Resp: 533711  
Ion Ratio Lower Upper  
276 100  
138 21.3 18.0 27.0  
277 25.7 20.0 30.0



#88  
Benzo(b)fluoranthene  
Concen: 54.512 ng  
RT: 14.716 min Scan# 2147  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:252 Resp: 542363  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.4 26.2  
125 8.6 7.4 11.0

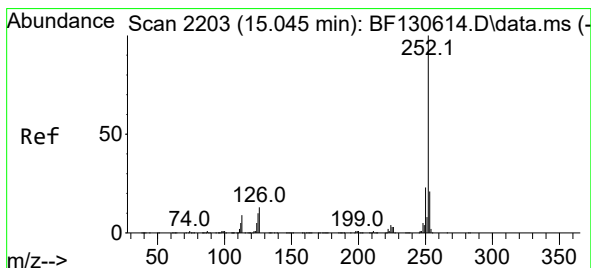
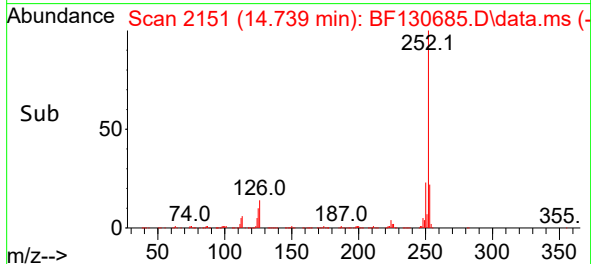
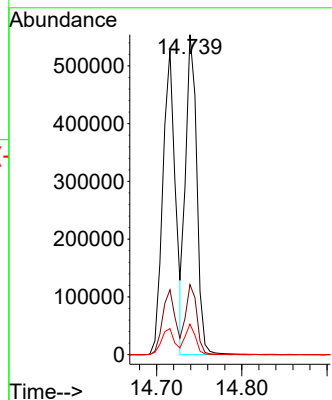
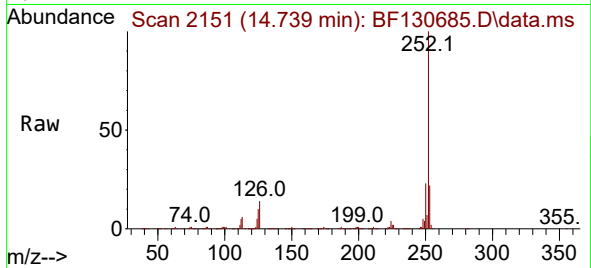




#89  
Benzo(k)fluoranthene  
Concen: 50.058 ng  
RT: 14.739 min Scan# 2153  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

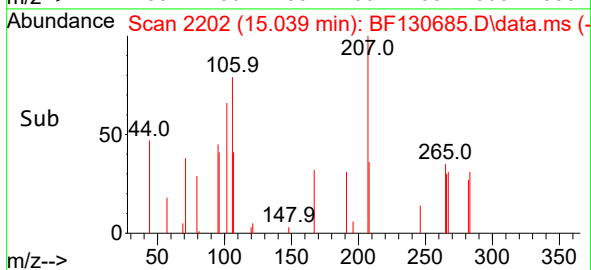
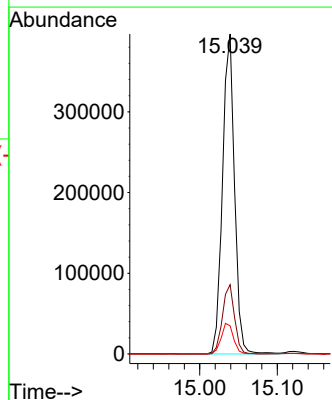
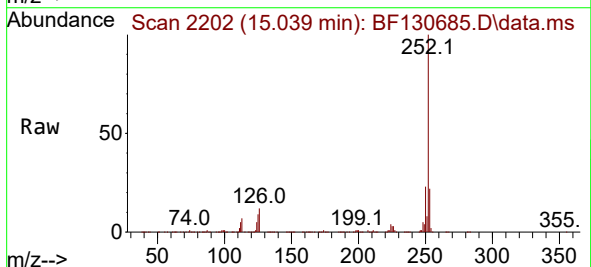
Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

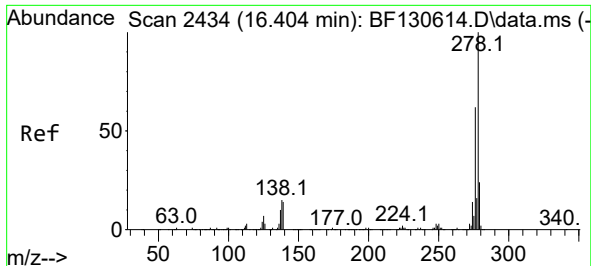
Tgt Ion:252 Resp: 507117  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.4  
125 9.5 7.2 10.8



#90  
Benzo(a)pyrene  
Concen: 51.482 ng  
RT: 15.039 min Scan# 2202  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:252 Resp: 426303  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.0 25.6  
125 8.8 8.4 12.6

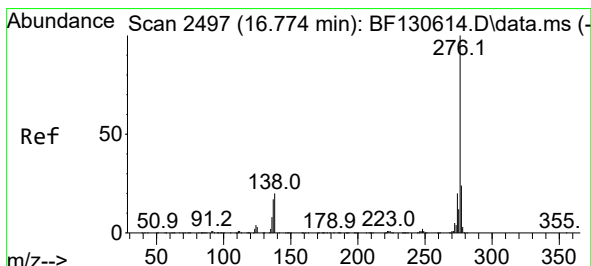
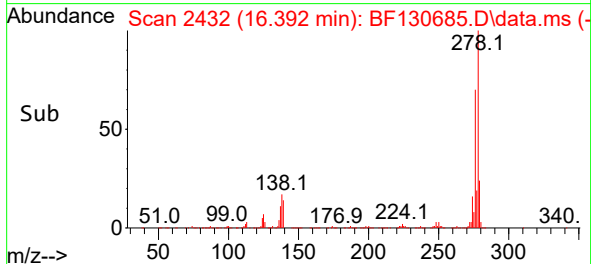
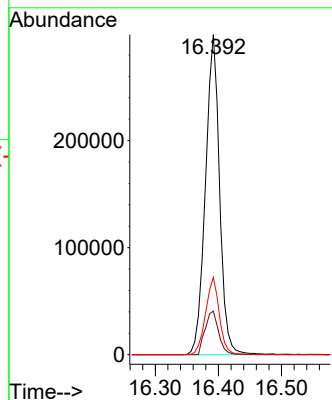
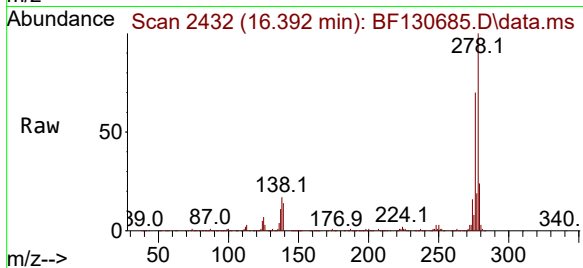




#91  
Dibenzo(a,h)anthracene  
Concen: 48.310 ng  
RT: 16.392 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Instrument :  
BNA\_F  
ClientSampleId :  
PB148379BSD

Tgt Ion:278 Resp: 465695  
Ion Ratio Lower Upper  
278 100  
139 13.6 11.1 16.7  
279 24.2 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 53.519 ng  
RT: 16.768 min Scan# 2496  
Delta R.T. 0.000 min  
Lab File: BF130685.D  
Acq: 17 Oct 2022 14:17

Tgt Ion:276 Resp: 480505  
Ion Ratio Lower Upper  
276 100  
277 23.5 18.9 28.3  
138 18.1 15.9 23.9

