

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091922\  
 Data File : BF130318.D  
 Acq On : 19 Sep 2022 13:27  
 Operator : CG\JU  
 Sample : PB147677BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB147677BS

Quant Time: Sep 19 15:09:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 19 15:06:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.663  | 152  | 115642   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.945  | 136  | 459653   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.692  | 164  | 233246   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.169 | 188  | 381193   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.804 | 240  | 227924   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.186 | 264  | 188126   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.275  | 112  | 896370   | 134.443 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.304  | 99   | 1082136  | 129.716 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.234  | 82   | 713388   | 79.290  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.486 | 330  | 333502   | 149.222 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.022  | 172  | 1328207  | 82.922  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.757 | 244  | 1315976  | 95.642  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.387  | 88   | 100261   | 32.743  | ng    | 98       |
| 3) Pyridine                   | 3.069  | 79   | 262500   | 32.863  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.028  | 42   | 172979   | 39.817  | ng    | 95       |
| 6) Aniline                    | 6.328  | 93   | 427700   | 41.610  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.445  | 128  | 344205   | 45.320  | ng    | 95       |
| 9) Benzaldehyde               | 6.210  | 77   | 204312   | 36.562  | ng    | 94       |
| 10) Phenol                    | 6.316  | 94   | 415205   | 42.470  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.404  | 93   | 311318   | 44.149  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.598  | 146  | 369511   | 44.216  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.681  | 146  | 377749   | 44.326  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.828  | 146  | 358181   | 44.992  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.810  | 79   | 283623   | 42.880  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.945  | 45   | 422887   | 41.118  | ng    | 97       |
| 17) 2-Methylphenol            | 6.928  | 107  | 265176   | 42.951  | ng    | 98       |
| 18) Hexachloroethane          | 7.169  | 117  | 146560   | 43.629  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.086  | 70   | 239869   | 42.611  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.081  | 107  | 337500   | 42.081  | ng    | # 88     |
| 22) Acetophenone              | 7.081  | 105  | 488232   | 43.445  | ng    | 99       |
| 24) Nitrobenzene              | 7.251  | 77   | 364205   | 39.866  | ng    | 95       |
| 25) Isophorone                | 7.492  | 82   | 640926   | 44.198  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.563  | 139  | 177151   | 47.303  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.610  | 122  | 288510   | 50.033  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.704  | 93   | 382885   | 46.891  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.804  | 162  | 276097   | 43.693  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.886  | 180  | 292942   | 42.879  | ng    | 97       |
| 31) Naphthalene               | 7.969  | 128  | 988597   | 41.747  | ng    | 99       |
| 32) Benzoic acid              | 7.745  | 122  | 202544   | 45.421  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.022  | 127  | 320424   | 35.577  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.081  | 225  | 186744   | 42.771  | ng    | 97       |
| 35) Caprolactam               | 8.398  | 113  | 44576    | 24.607  | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 8.504  | 107  | 304117   | 43.420  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.657  | 142  | 639987   | 42.387  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.757  | 142  | 599516   | 41.333  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.822  | 216  | 292413   | 45.938  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.810  | 237  | 394299   | 115.699 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 8.933  | 196  | 196420   | 44.214  | ng    | 95       |

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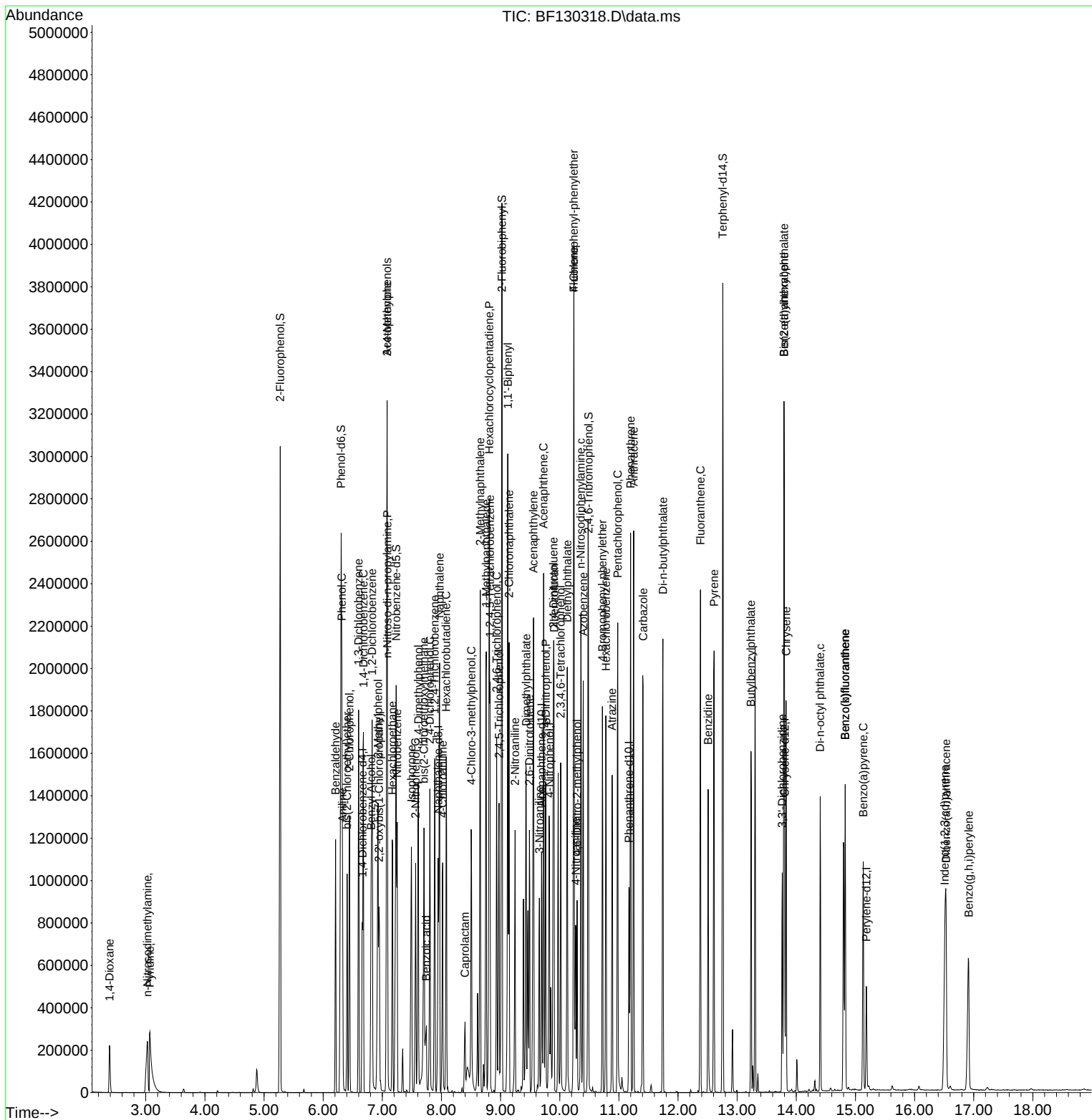
Instrument :  
 BNA\_F  
 ClientSampleId :  
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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 8.975  | 196  | 206258   | 43.025 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.122  | 154  | 768238   | 44.101 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.145  | 162  | 597746   | 42.419 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.245  | 65   | 187696   | 39.936 | ng    | 93       |
| 49) Acenaphthylene            | 9.557  | 152  | 886230   | 41.945 | ng    | 99       |
| 50) Dimethylphthalate         | 9.433  | 163  | 686013   | 42.579 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.486  | 165  | 149147   | 44.263 | ng    | 96       |
| 52) Acenaphthene              | 9.727  | 154  | 532532   | 38.362 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.657  | 138  | 124469   | 33.151 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.763  | 184  | 157870   | 85.871 | ng    | 92       |
| 55) Dibenzofuran              | 9.904  | 168  | 810523   | 41.977 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.827  | 139  | 243689   | 89.110 | ng    | # 82     |
| 57) 2,4-Dinitrotoluene        | 9.892  | 165  | 196182   | 45.556 | ng    | 90       |
| 58) Fluorene                  | 10.239 | 166  | 651606   | 41.264 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.016 | 232  | 159184   | 42.424 | ng    | 96       |
| 60) Diethylphthalate          | 10.127 | 149  | 674489   | 41.746 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.239 | 204  | 303611   | 43.829 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.274 | 138  | 154381   | 40.930 | ng    | 91       |
| 63) Azobenzene                | 10.398 | 77   | 652498   | 39.220 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.292 | 198  | 95924    | 45.205 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.357 | 169  | 553447   | 43.448 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 190750   | 45.361 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.780 | 284  | 219023   | 45.947 | ng    | # 92     |
| 69) Atrazine                  | 10.886 | 200  | 180791   | 48.566 | ng    | 99       |
| 70) Pentachlorophenol         | 10.980 | 266  | 242779   | 94.898 | ng    | 99       |
| 71) Phenanthrene              | 11.198 | 178  | 898374   | 41.977 | ng    | 100      |
| 72) Anthracene                | 11.251 | 178  | 907396   | 43.935 | ng    | 99       |
| 73) Carbazole                 | 11.410 | 167  | 817243   | 43.845 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.745 | 149  | 1015895  | 45.198 | ng    | 99       |
| 75) Fluoranthene              | 12.380 | 202  | 887446   | 42.912 | ng    | 99       |
| 77) Benzidine                 | 12.510 | 184  | 470751   | 71.149 | ng    | 99       |
| 78) Pyrene                    | 12.610 | 202  | 880390   | 44.154 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.233 | 149  | 353862   | 47.906 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.792 | 228  | 649979   | 42.867 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.762 | 252  | 195395   | 47.341 | ng    | 99       |
| 83) Chrysene                  | 13.827 | 228  | 598696   | 41.585 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.792 | 149  | 430882   | 50.927 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.404 | 149  | 608577   | 47.027 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.509 | 276  | 599703   | 44.953 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.827 | 252  | 510938   | 41.611 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 14.827 | 252  | 510938   | 42.301 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.133 | 252  | 483028   | 49.654 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 16.533 | 278  | 518996   | 47.422 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 16.915 | 276  | 514273   | 46.648 | ng    | 98       |

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

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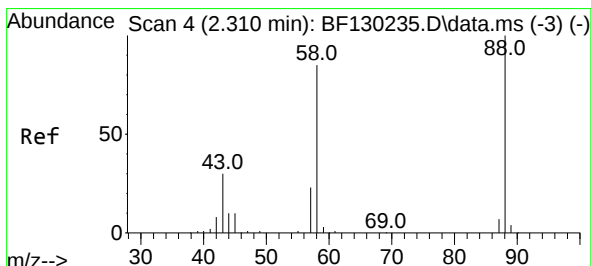
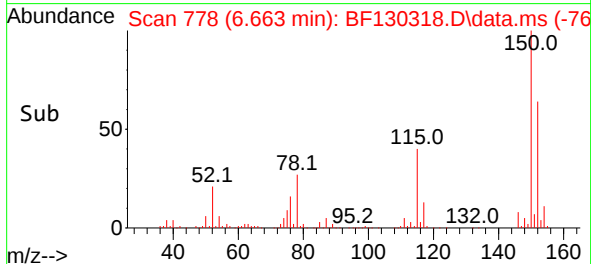
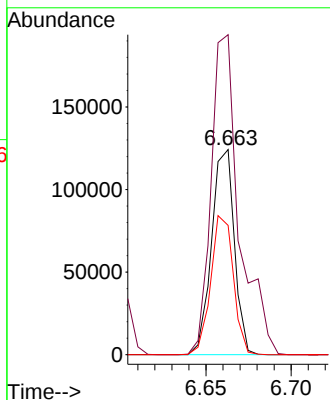
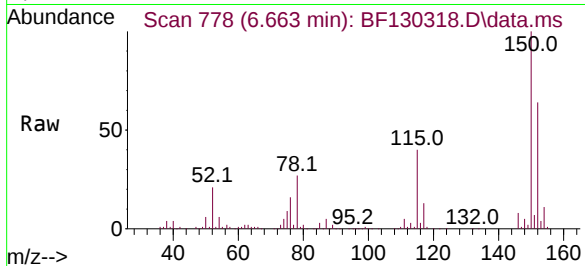




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.663 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF130318.D  
 Acq: 19 Sep 2022 13:27

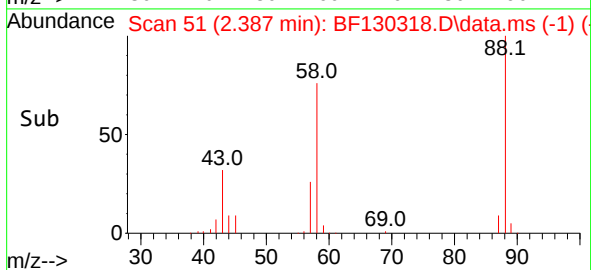
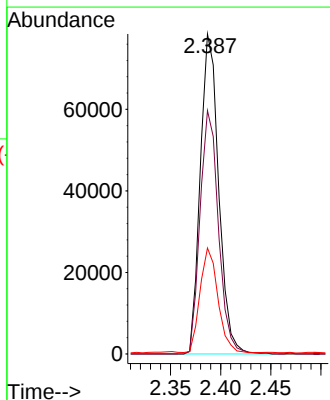
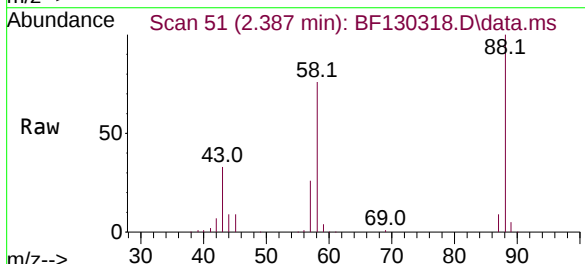
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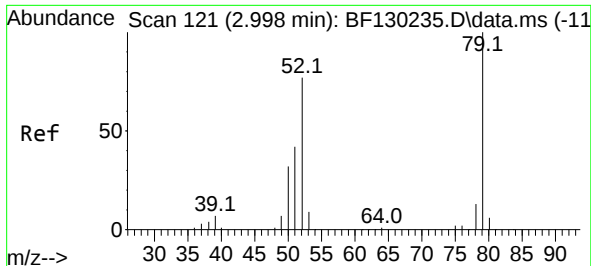
Tgt Ion:152 Resp: 115642  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 122.8 184.2  
 115 63.0 53.8 80.8



#2  
 1,4-Dioxane  
 Concen: 32.743 ng  
 RT: 2.387 min Scan# 51  
 Delta R.T. 0.100 min  
 Lab File: BF130318.D  
 Acq: 19 Sep 2022 13:27

Tgt Ion: 88 Resp: 100261  
 Ion Ratio Lower Upper  
 88 100  
 58 76.3 61.3 91.9  
 43 31.7 23.0 34.6





#3

Pyridine

Concen: 32.863 ng

RT: 3.069 min Scan# 1

Delta R.T. 0.100 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

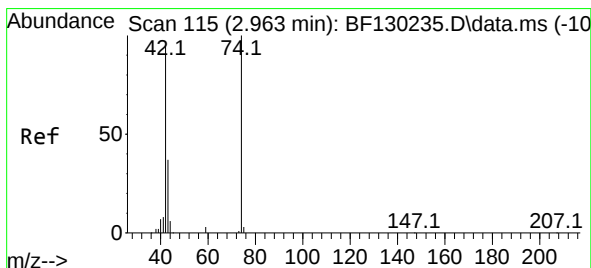
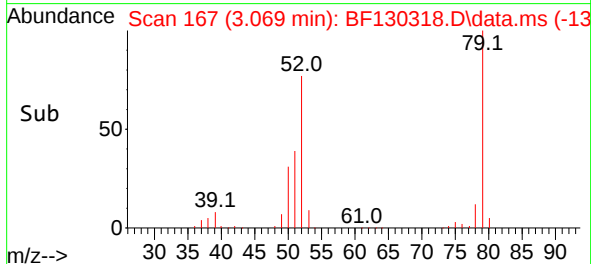
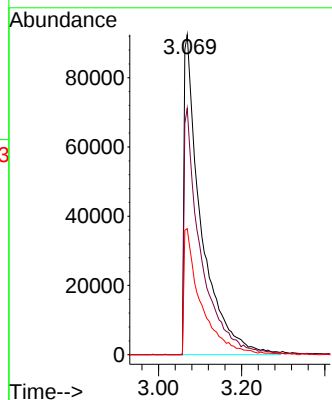
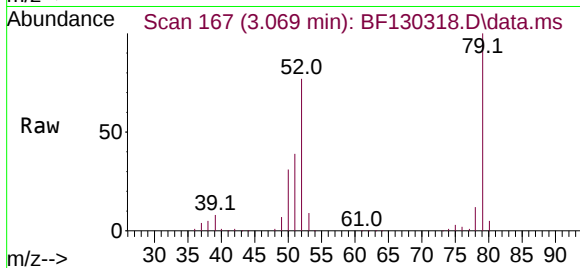
Tgt Ion: 79 Resp: 262500

Ion Ratio Lower Upper

79 100

52 77.0 62.4 93.6

51 39.4 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 39.817 ng

RT: 3.028 min Scan# 160

Delta R.T. 0.088 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

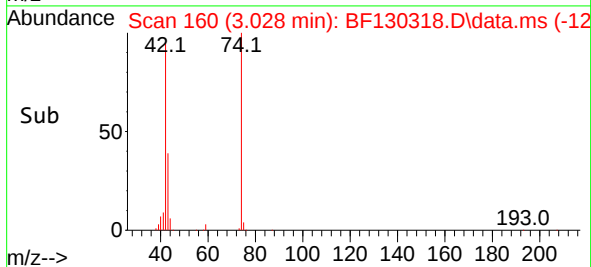
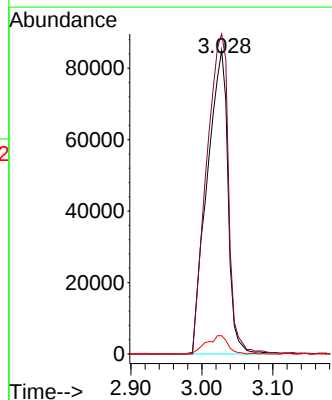
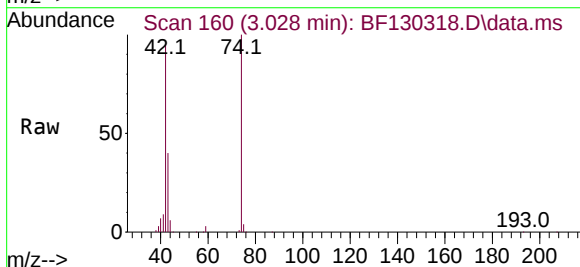
Tgt Ion: 42 Resp: 172979

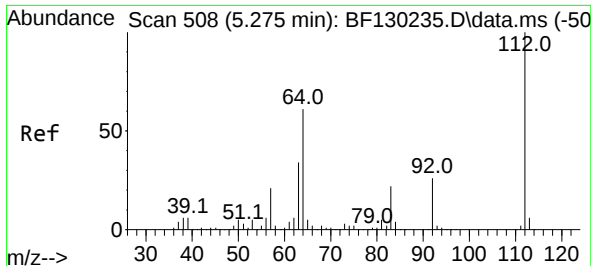
Ion Ratio Lower Upper

42 100

74 105.4 88.4 132.6

44 6.0 5.0 7.4

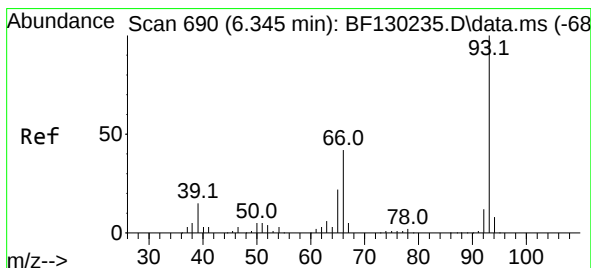
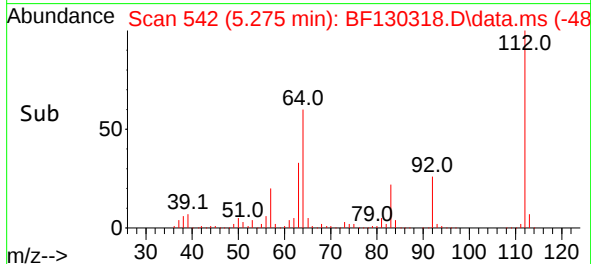
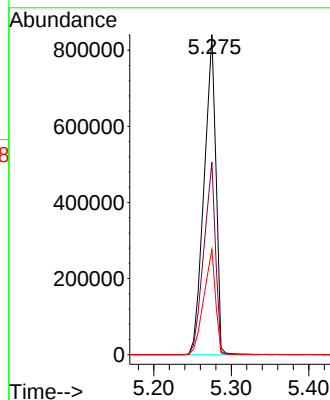
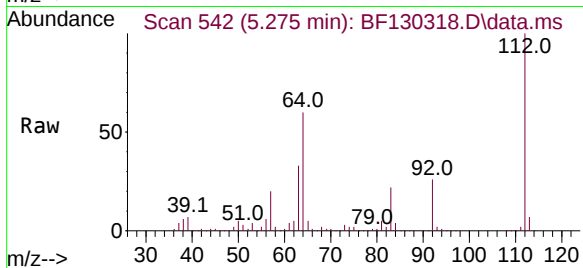




#5  
2-Fluorophenol  
Concen: 134.443 ng  
RT: 5.275 min Scan# 54  
Delta R.T. 0.018 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

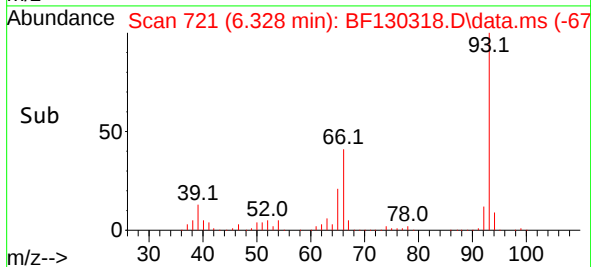
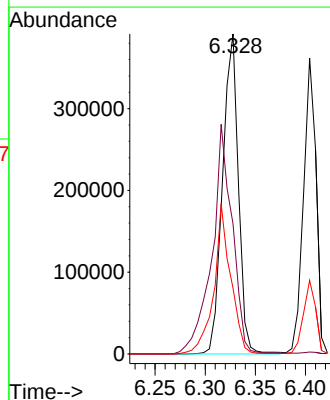
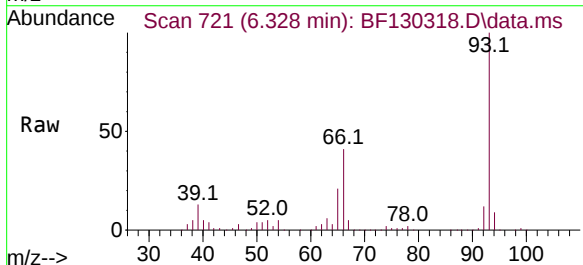
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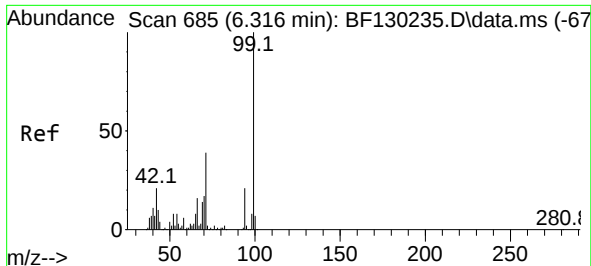
Tgt Ion:112 Resp: 896370  
Ion Ratio Lower Upper  
112 100  
64 60.1 51.4 77.0  
63 32.8 28.8 43.2



#6  
Aniline  
Concen: 41.610 ng  
RT: 6.328 min Scan# 721  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion: 93 Resp: 427700  
Ion Ratio Lower Upper  
93 100  
66 40.7 34.2 51.4  
65 20.6 16.6 24.8

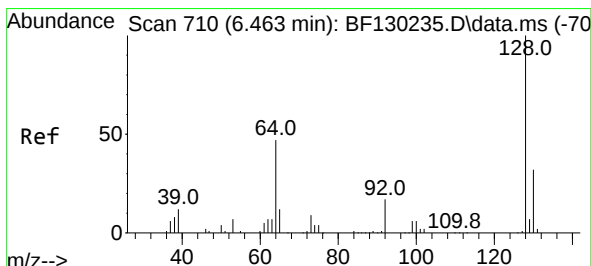
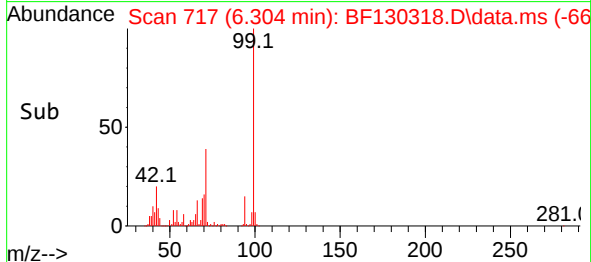
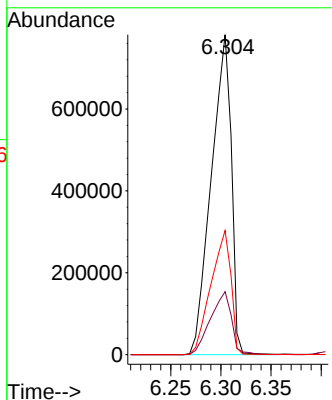
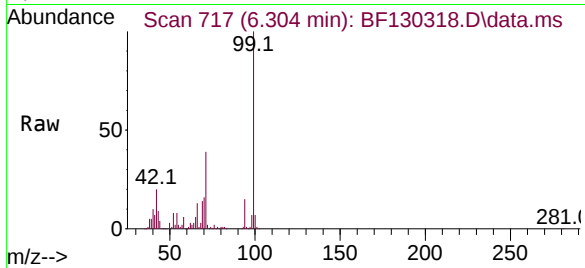




#7  
Phenol-d6  
Concen: 129.716 ng  
RT: 6.304 min Scan# 717  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

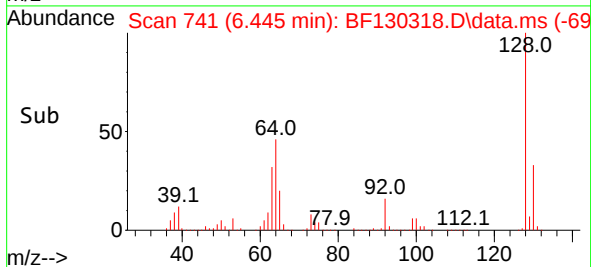
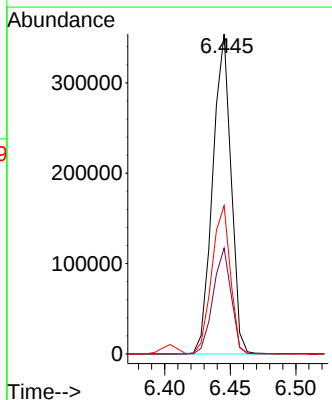
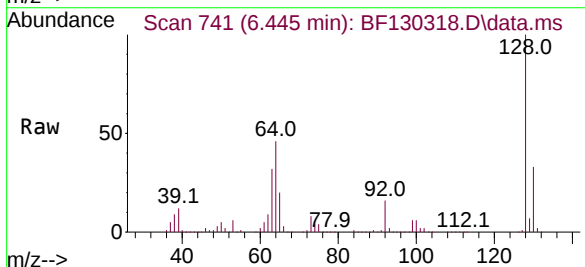
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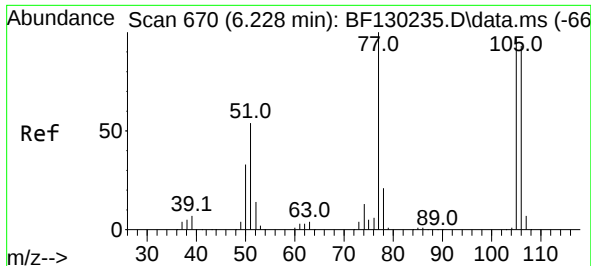
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Ion Ratio Lower Upper  
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42 19.7 17.0 25.6  
71 38.8 32.3 48.5



#8  
2-Chlorophenol  
Concen: 45.320 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:128 Resp: 344205  
Ion Ratio Lower Upper  
128 100  
130 33.1 12.4 52.4  
64 46.4 31.6 71.6

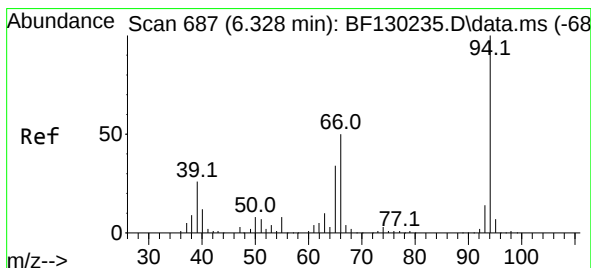
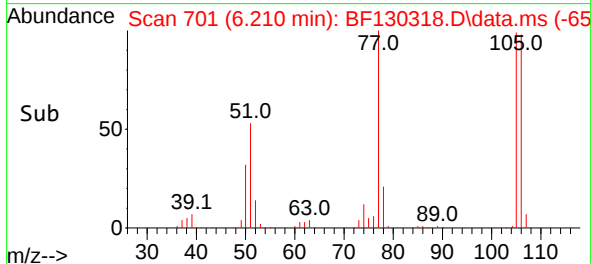
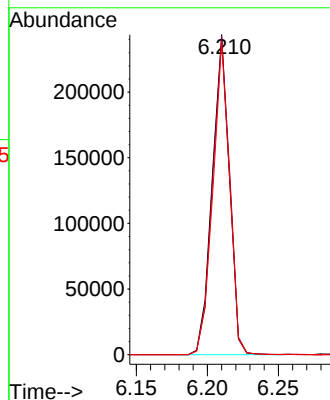
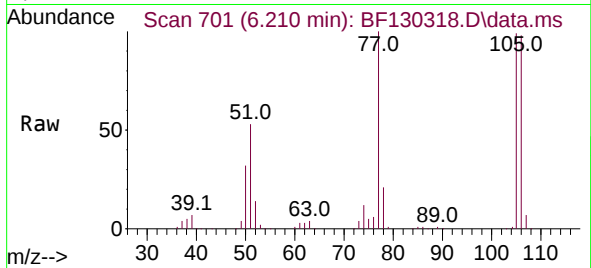




#9  
Benzaldehyde  
Concen: 36.562 ng  
RT: 6.210 min Scan# 701  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

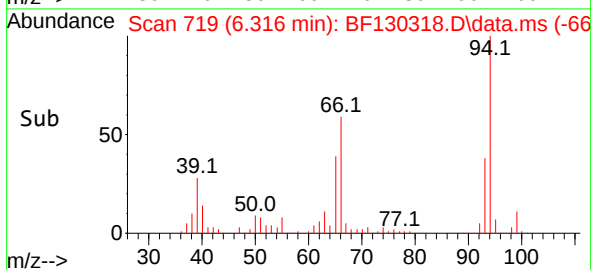
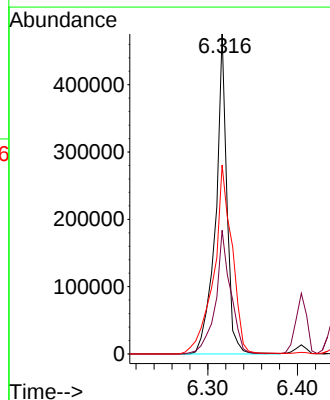
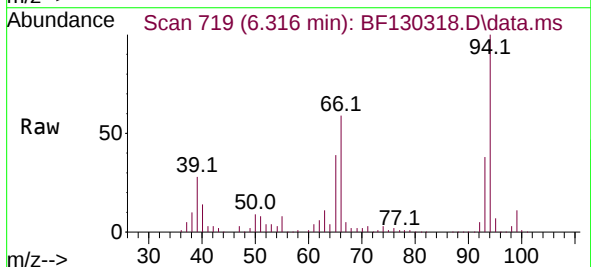
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

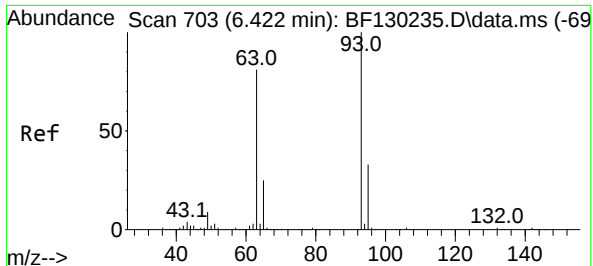
Tgt Ion: 77 Resp: 204312  
Ion Ratio Lower Upper  
77 100  
105 99.4 75.1 115.1  
106 97.8 69.7 109.7



#10  
Phenol  
Concen: 42.470 ng  
RT: 6.316 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion: 94 Resp: 415205  
Ion Ratio Lower Upper  
94 100  
65 38.6 14.1 54.1  
66 59.1 28.1 68.1

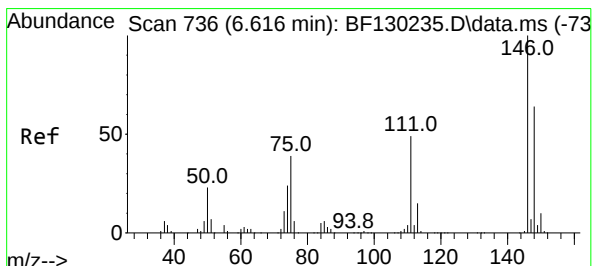
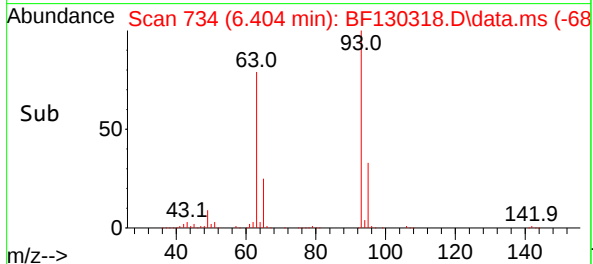
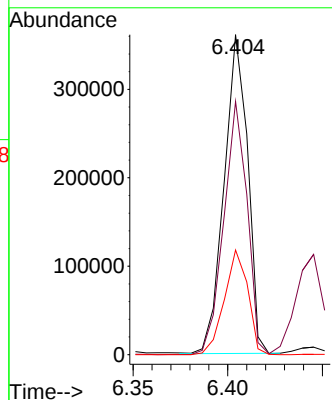
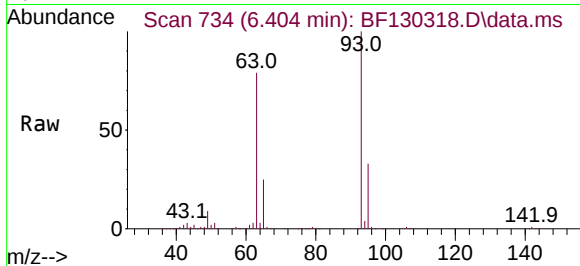




#11  
bis(2-Chloroethyl)ether  
Concen: 44.149 ng  
RT: 6.404 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

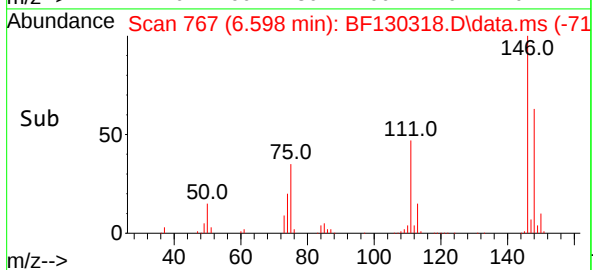
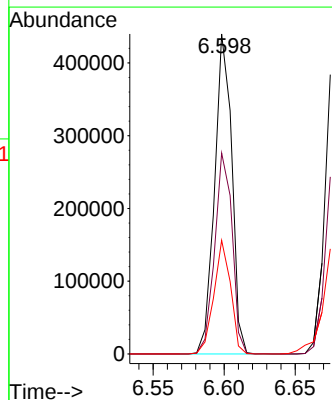
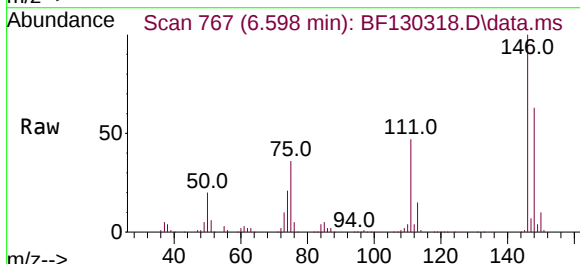
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

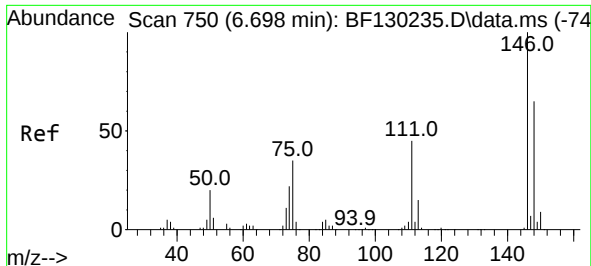
Tgt Ion: 93 Resp: 311318  
Ion Ratio Lower Upper  
93 100  
63 79.2 62.5 102.5  
95 32.7 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 44.216 ng  
RT: 6.598 min Scan# 767  
Delta R.T. -0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:146 Resp: 369511  
Ion Ratio Lower Upper  
146 100  
148 62.8 51.4 77.2  
75 35.5 28.8 43.2

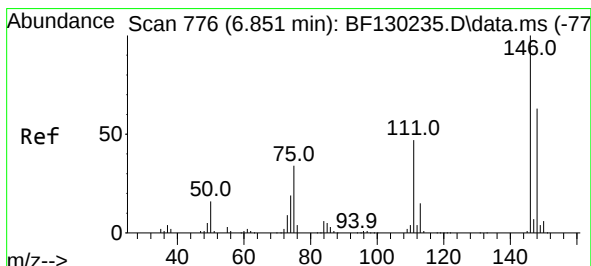
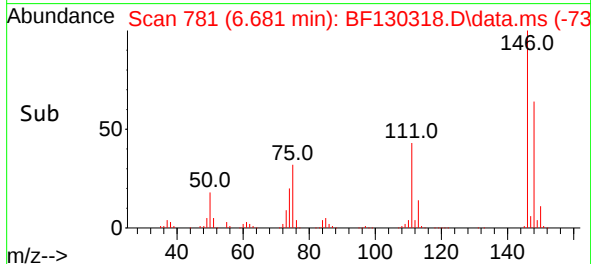
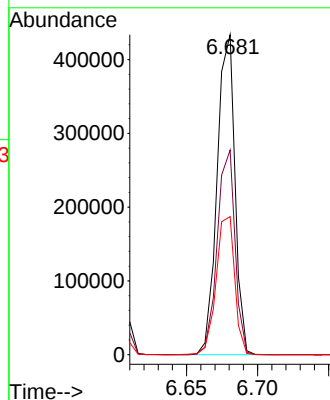
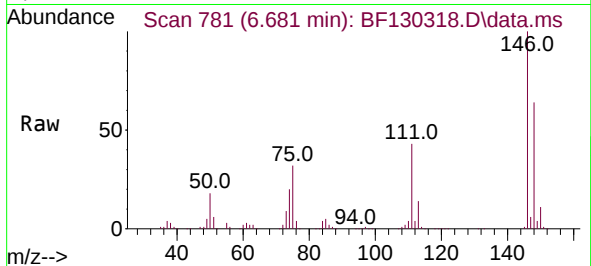




#13  
1,4-Dichlorobenzene  
Concen: 44.326 ng  
RT: 6.681 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

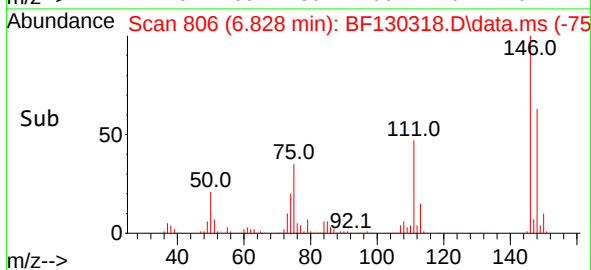
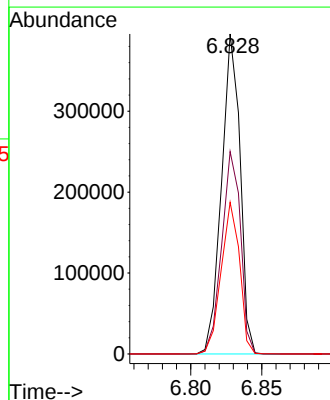
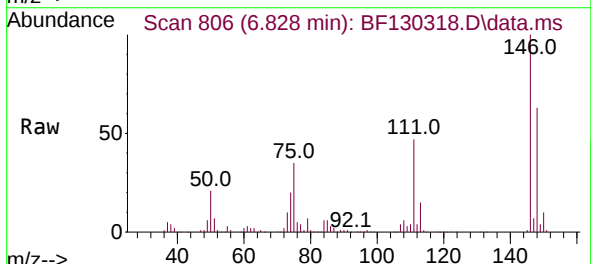
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

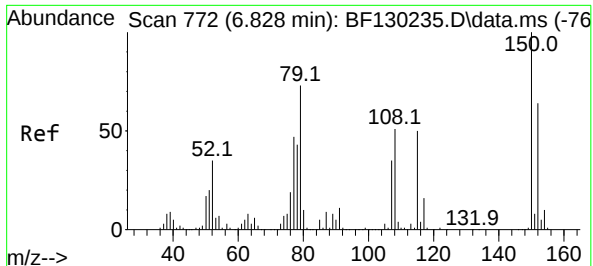
Tgt Ion:146 Resp: 377749  
Ion Ratio Lower Upper  
146 100  
148 64.0 50.3 75.5  
111 43.2 36.3 54.5



#14  
1,2-Dichlorobenzene  
Concen: 44.992 ng  
RT: 6.828 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:146 Resp: 358181  
Ion Ratio Lower Upper  
146 100  
148 63.2 51.6 77.4  
111 47.4 39.2 58.8





#15

Benzyl Alcohol

Concen: 42.880 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

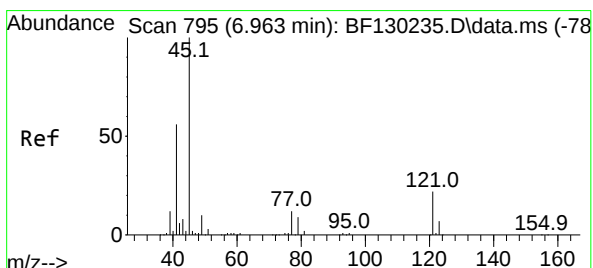
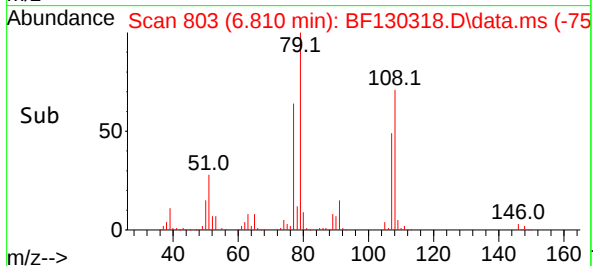
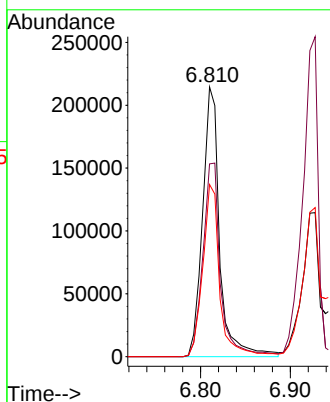
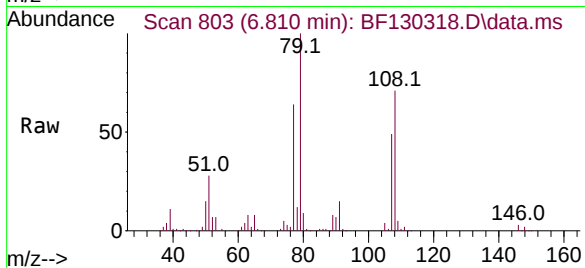
Tgt Ion: 79 Resp: 283623

Ion Ratio Lower Upper

79 100

108 71.5 54.0 81.0

77 63.8 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.118 ng

RT: 6.945 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

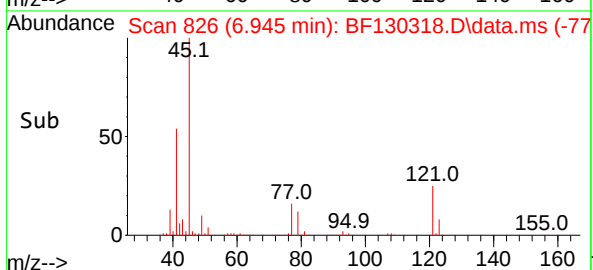
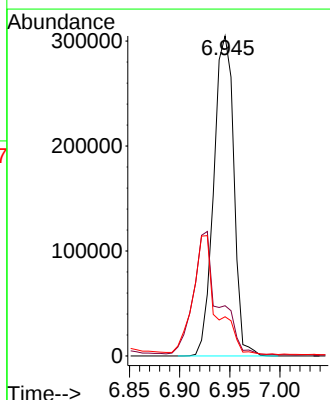
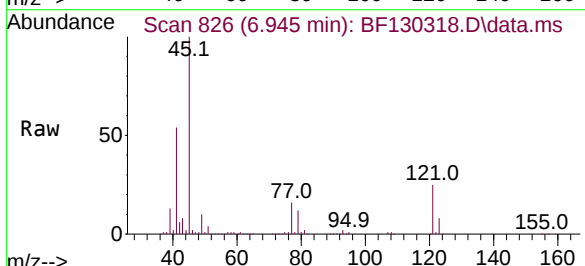
Tgt Ion: 45 Resp: 422887

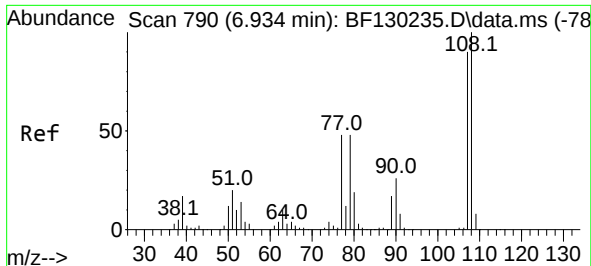
Ion Ratio Lower Upper

45 100

77 15.7 0.0 34.9

79 12.3 0.0 31.0

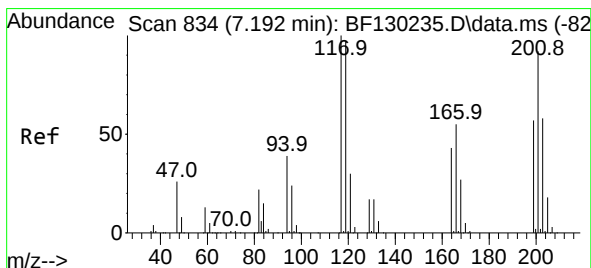
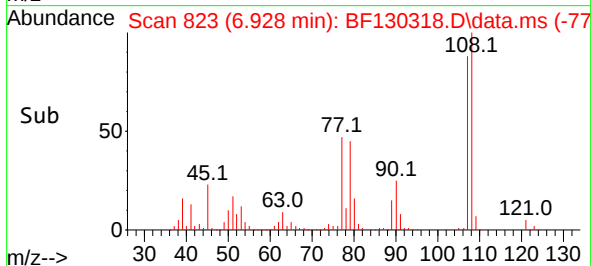
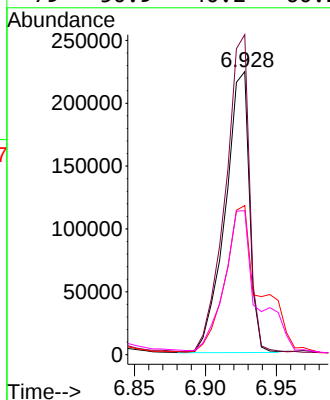
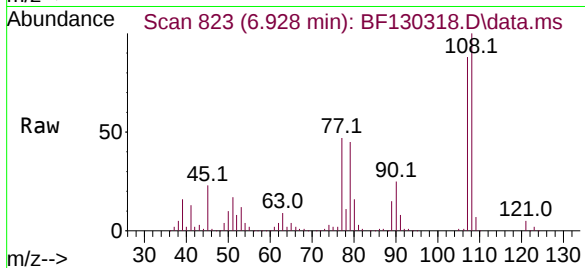




#17  
2-Methylphenol  
Concen: 42.951 ng  
RT: 6.928 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

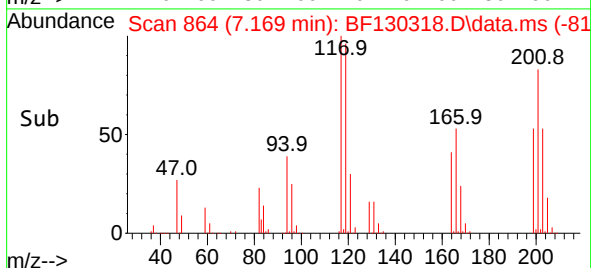
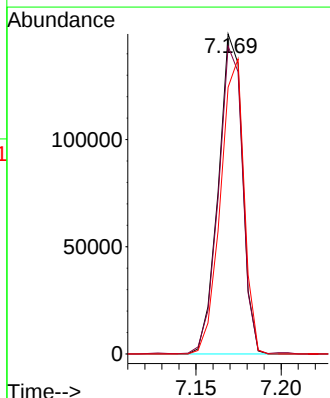
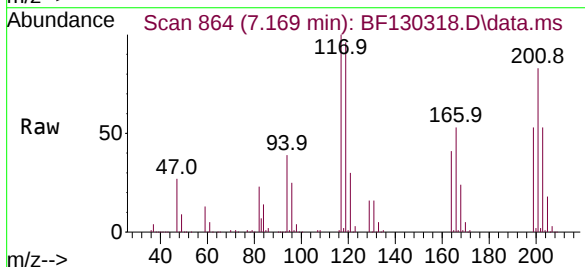
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

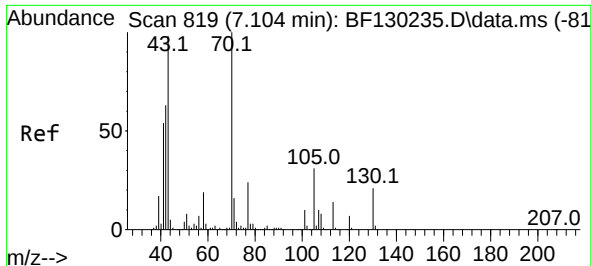
Tgt Ion:107 Resp: 265176  
Ion Ratio Lower Upper  
107 100  
108 113.1 89.4 134.0  
77 52.7 40.6 60.8  
79 50.9 40.2 60.2



#18  
Hexachloroethane  
Concen: 43.629 ng  
RT: 7.169 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:117 Resp: 146560  
Ion Ratio Lower Upper  
117 100  
119 96.1 77.8 116.6  
201 83.3 68.7 103.1

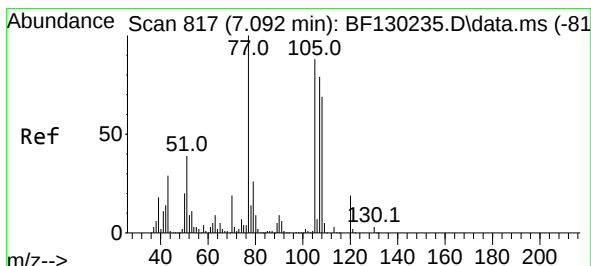
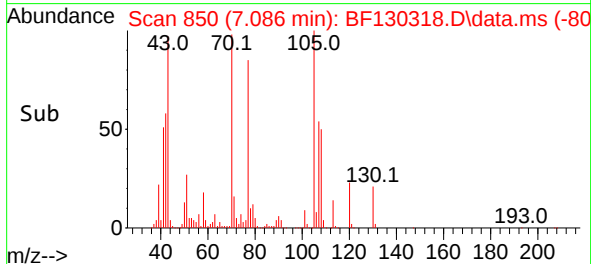
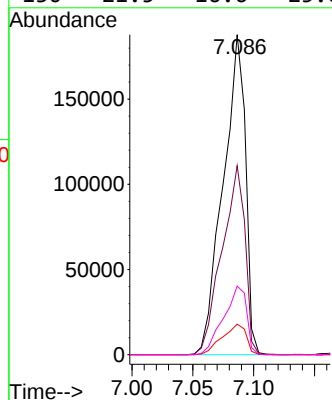
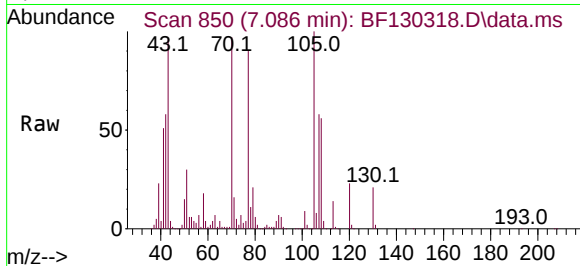




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.611 ng  
RT: 7.086 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

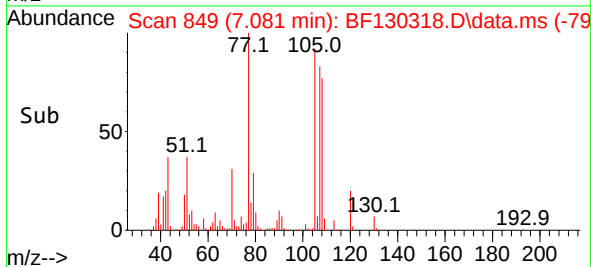
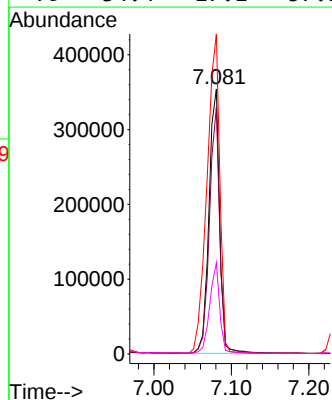
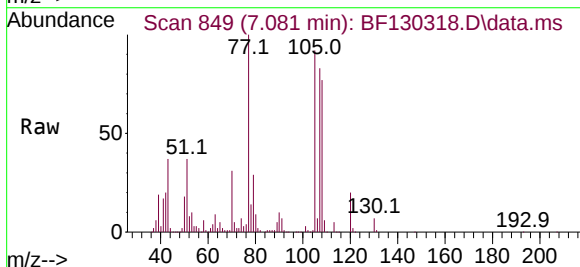
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

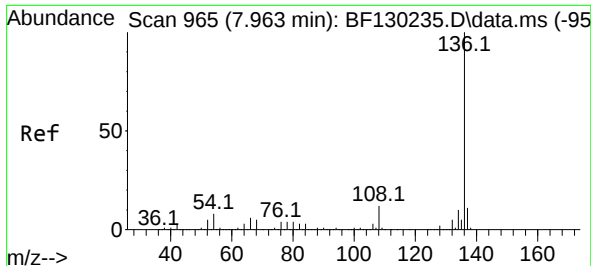
Tgt Ion: 70 Resp: 239869  
Ion Ratio Lower Upper  
70 100  
42 59.1 50.8 76.2  
101 9.5 8.2 12.4  
130 21.5 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 42.081 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion: 107 Resp: 337500  
Ion Ratio Lower Upper  
107 100  
108 93.0 74.8 114.8  
77 120.8 125.8 165.8#  
79 34.4 17.1 57.1

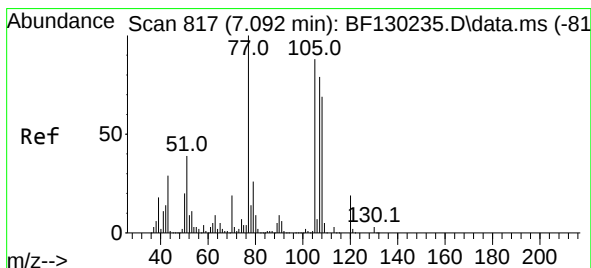
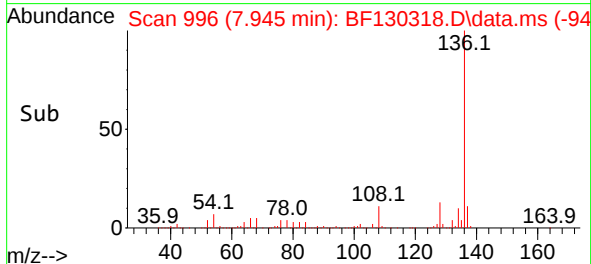
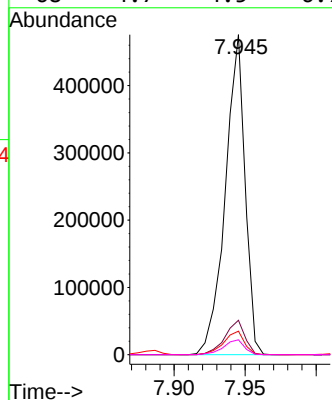
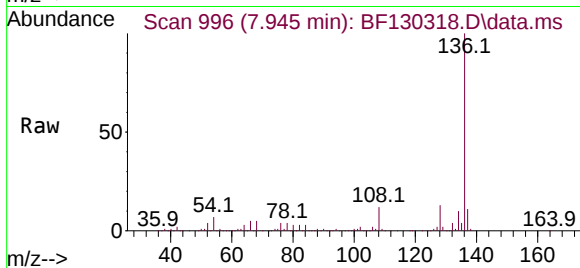




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.945 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

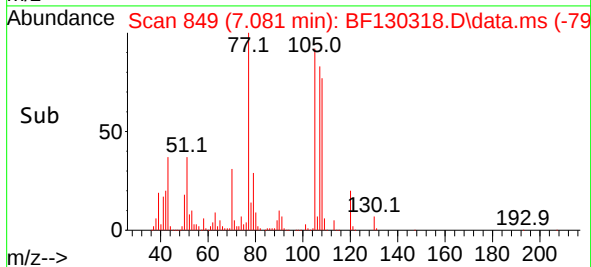
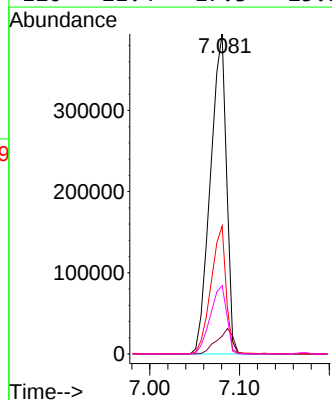
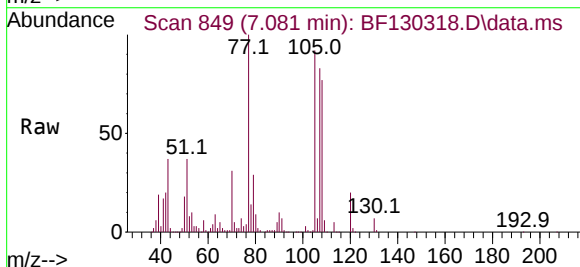
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

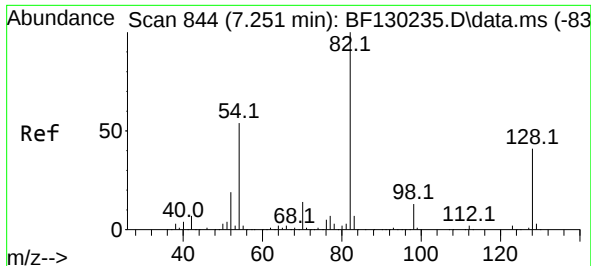
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 459653 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.8    | 9.1 13.7     |
| 54 7.4      | 7.1 10.7     |
| 68 4.7      | 4.5 6.7      |



#22  
Acetophenone  
Concen: 43.445 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 488232 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 5.5     | 3.9   | 5.9    |
| 51  | 40.0    | 32.2  | 48.2   |
| 120 | 21.4    | 17.3  | 25.9   |





#23

Nitrobenzene-d5

Concen: 79.290 ng

RT: 7.234 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

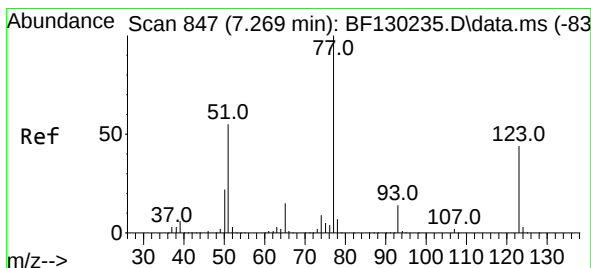
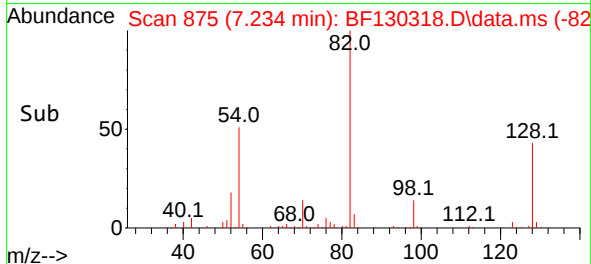
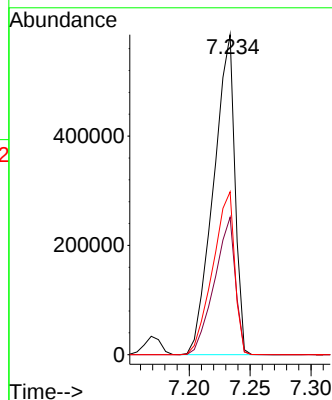
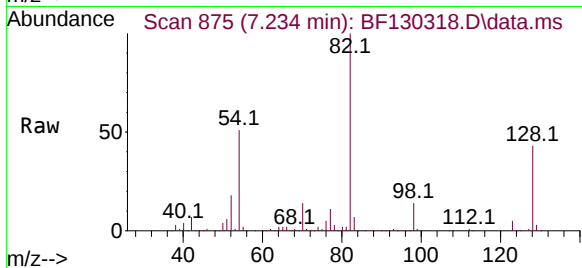
Tgt Ion: 82 Resp: 713388

Ion Ratio Lower Upper

82 100

128 43.0 32.6 49.0

54 50.9 43.8 65.6



#24

Nitrobenzene

Concen: 39.866 ng

RT: 7.251 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

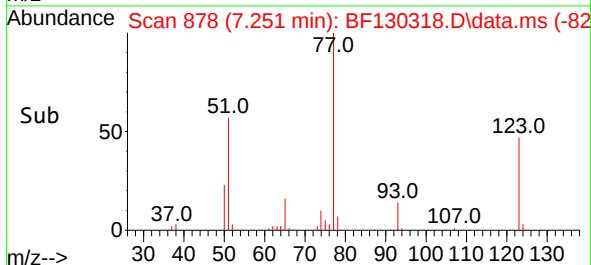
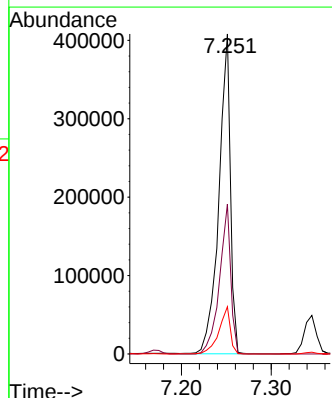
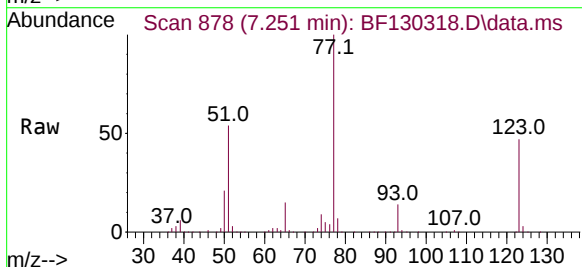
Tgt Ion: 77 Resp: 364205

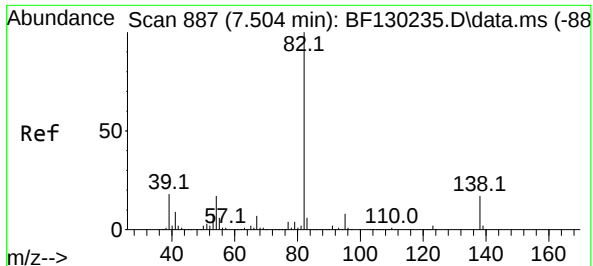
Ion Ratio Lower Upper

77 100

123 46.8 34.3 51.5

65 14.8 12.0 18.0

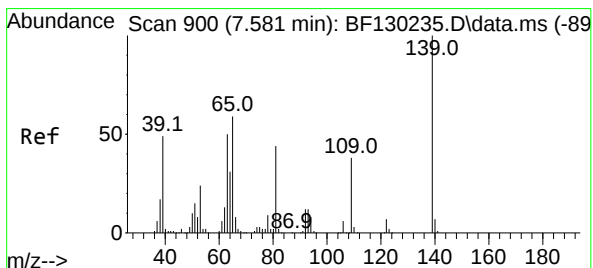
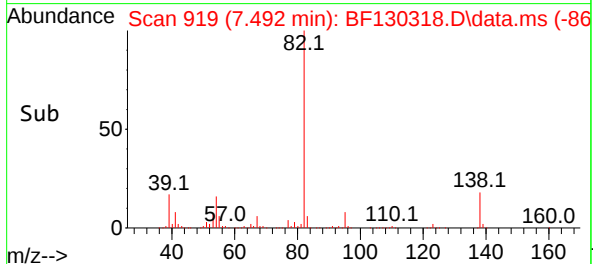
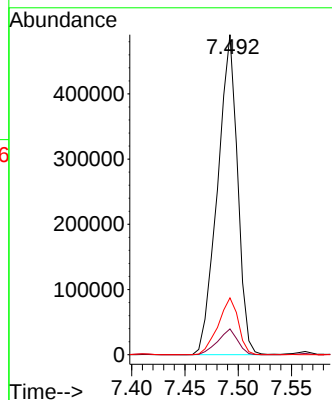
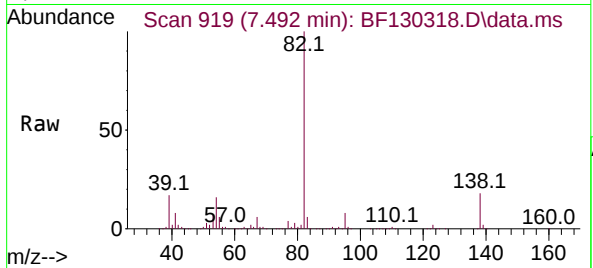




#25  
Isophorone  
Concen: 44.198 ng  
RT: 7.492 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

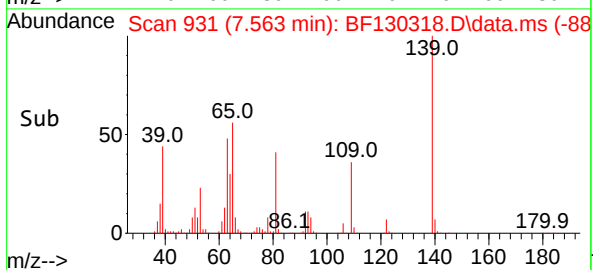
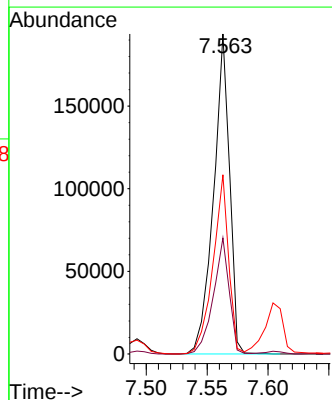
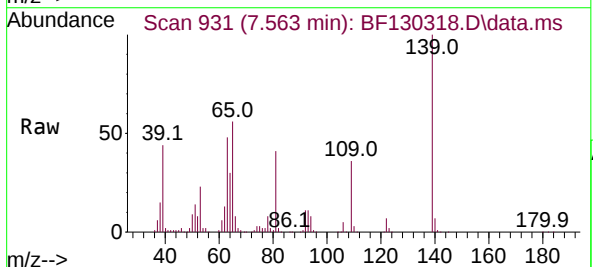
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

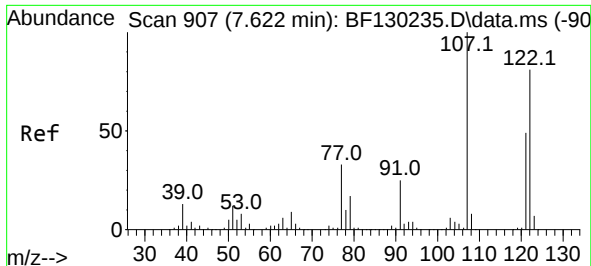
Tgt Ion: 82 Resp: 640926  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.4 9.6  
138 17.7 13.8 20.6



#26  
2-Nitrophenol  
Concen: 47.303 ng  
RT: 7.563 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion: 139 Resp: 177151  
Ion Ratio Lower Upper  
139 100  
109 36.3 30.2 45.4  
65 56.0 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 50.033 ng

RT: 7.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

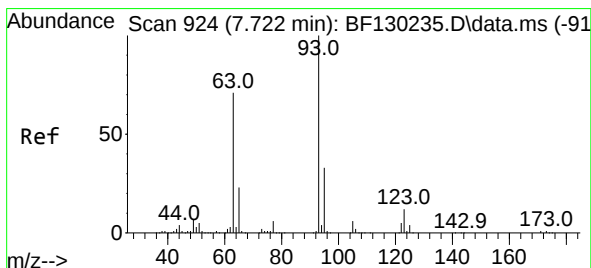
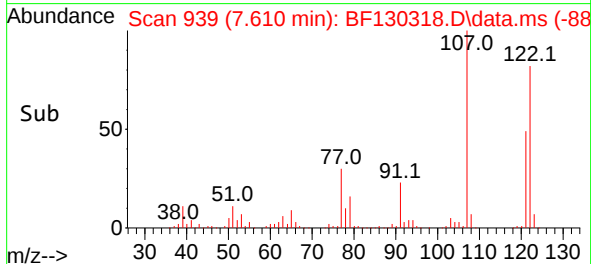
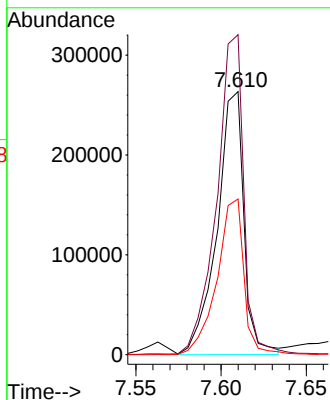
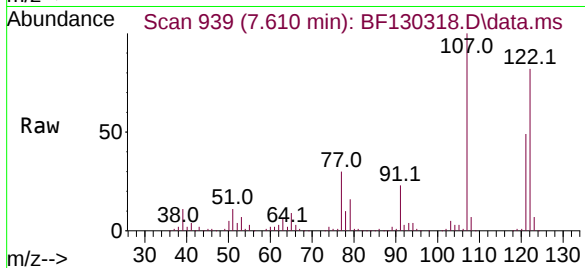
Tgt Ion:122 Resp: 288510

Ion Ratio Lower Upper

122 100

107 121.7 100.2 150.2

121 59.2 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 46.891 ng

RT: 7.704 min Scan# 955

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

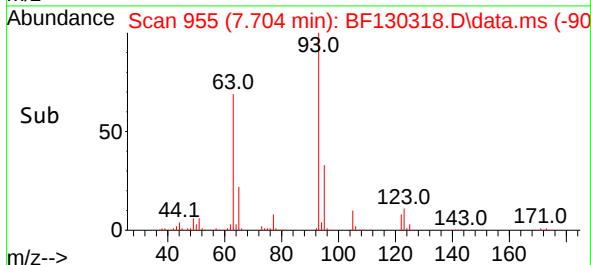
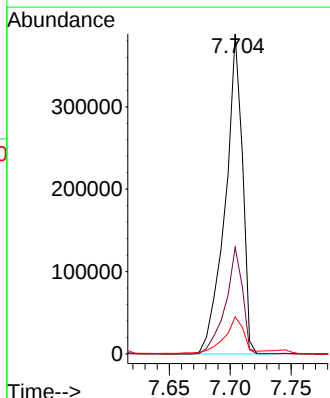
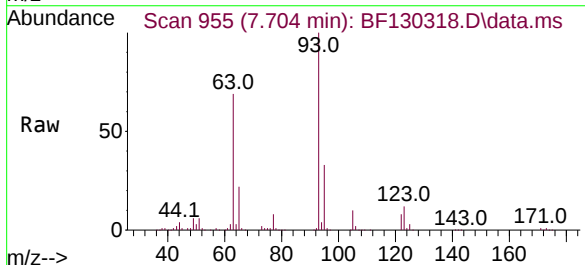
Tgt Ion: 93 Resp: 382885

Ion Ratio Lower Upper

93 100

95 33.3 26.3 39.5

123 11.6 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 43.693 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

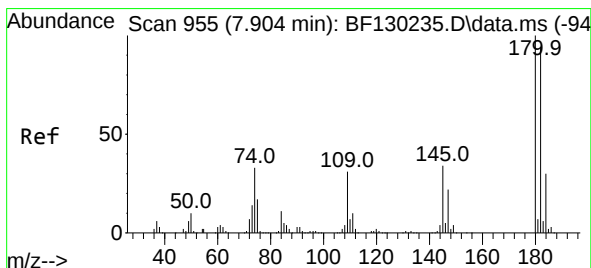
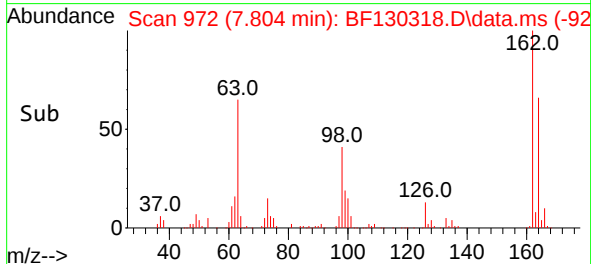
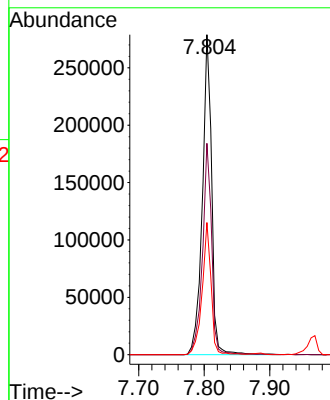
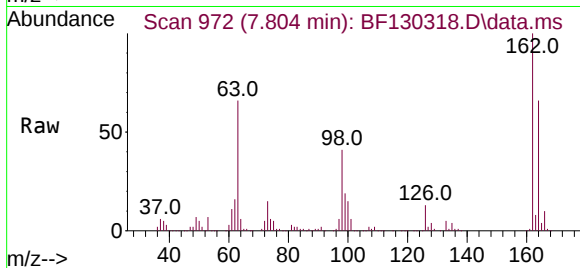
Tgt Ion:162 Resp: 276097

Ion Ratio Lower Upper

162 100

164 66.1 42.2 82.2

98 41.3 21.7 61.7



#30

1,2,4-Trichlorobenzene

Concen: 42.879 ng

RT: 7.886 min Scan# 986

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

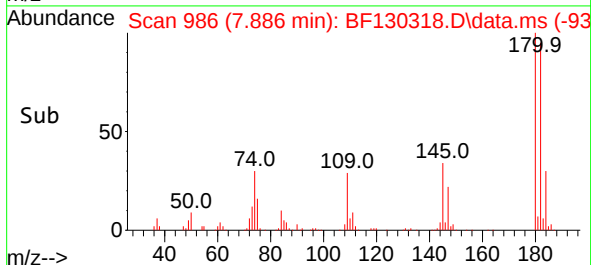
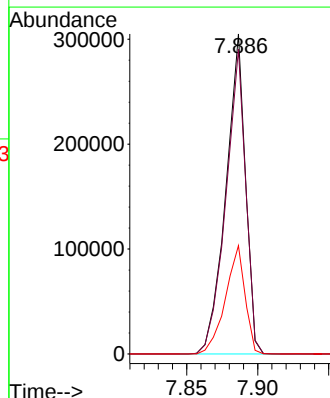
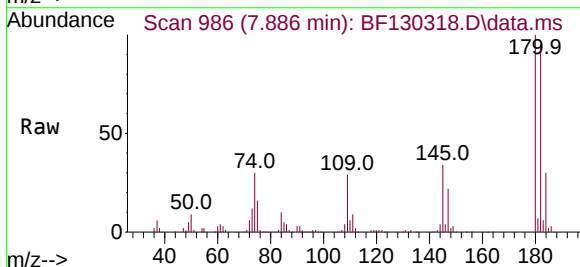
Tgt Ion:180 Resp: 292942

Ion Ratio Lower Upper

180 100

182 95.2 73.3 109.9

145 33.9 28.3 42.5

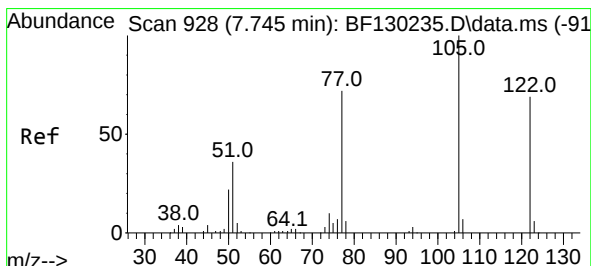
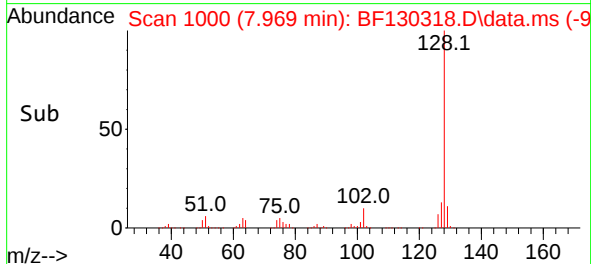
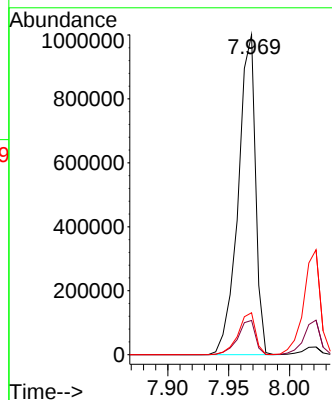
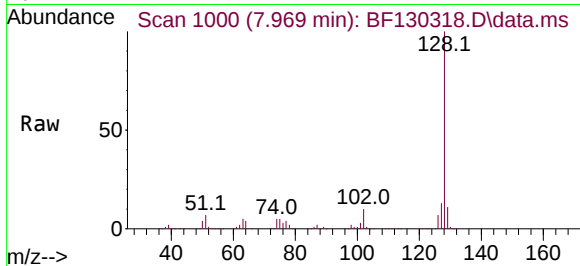




#31  
Naphthalene  
Concen: 41.747 ng  
RT: 7.969 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

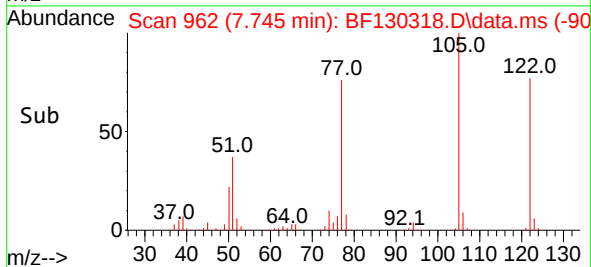
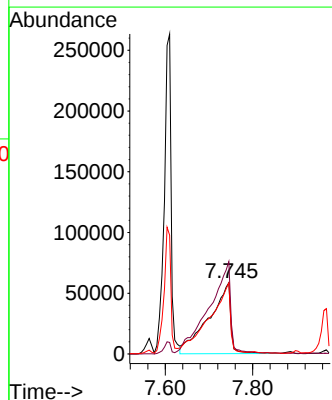
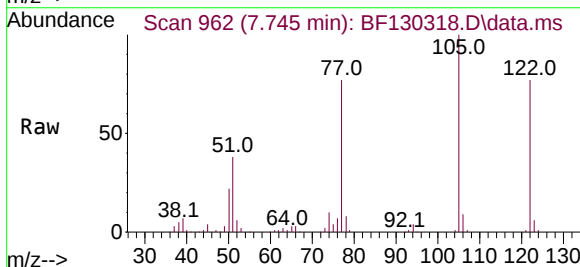
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

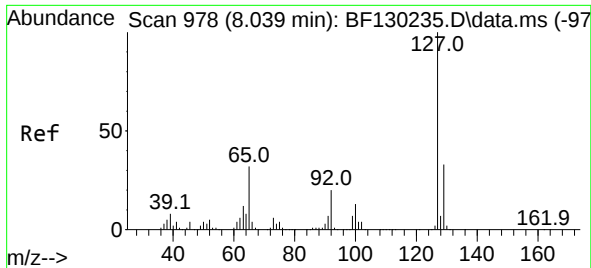
Tgt Ion:128 Resp: 988597  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.1 13.7  
127 13.1 10.6 16.0



#32  
Benzoic acid  
Concen: 45.421 ng  
RT: 7.745 min Scan# 962  
Delta R.T. 0.012 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:122 Resp: 202544  
Ion Ratio Lower Upper  
122 100  
105 129.7 112.9 152.9  
77 99.7 82.8 122.8

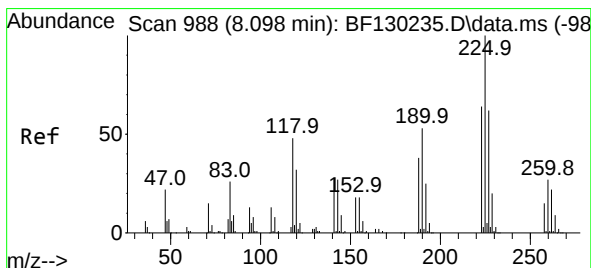
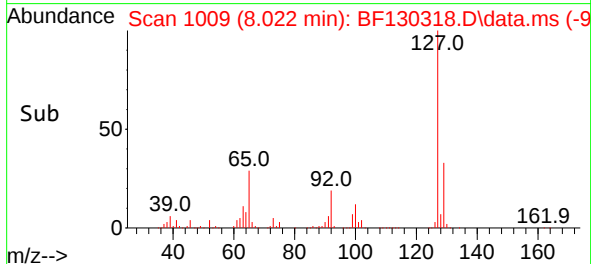
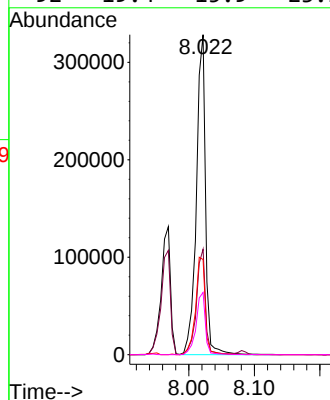
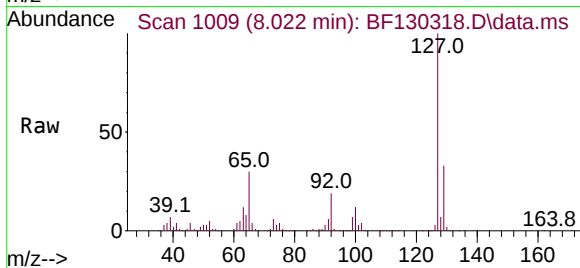




#33  
4-Chloroaniline  
Concen: 35.577 ng  
RT: 8.022 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

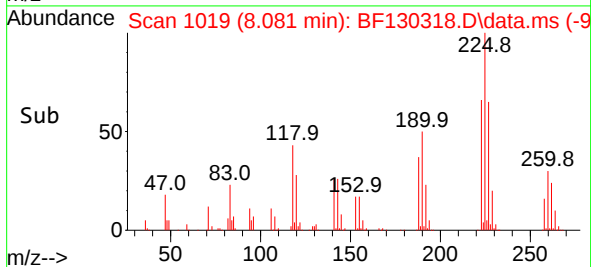
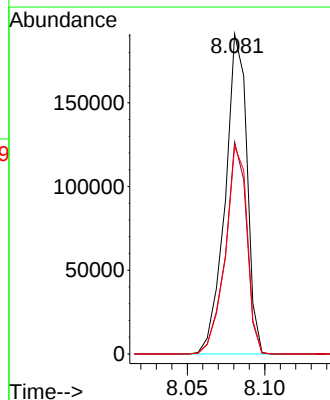
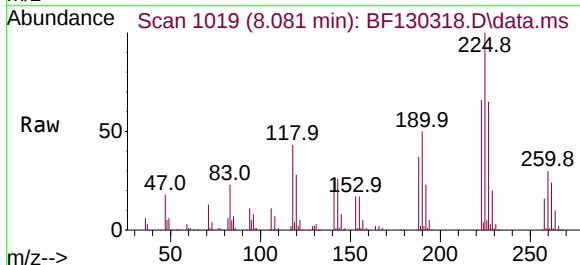
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

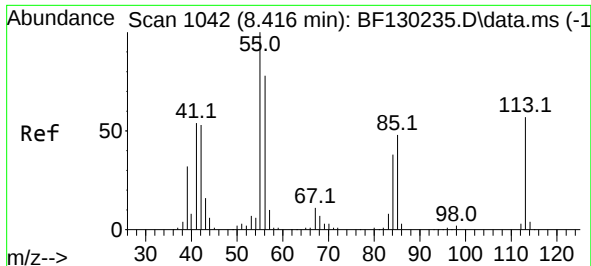
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 320424 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.0  | 25.6  | 38.4   |
| 65       | 29.8  | 27.0  | 40.6   |
| 92       | 19.4  | 15.9  | 23.9   |



#34  
Hexachlorobutadiene  
Concen: 42.771 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 186744 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 66.3  | 50.3  | 75.5   |
| 227      | 64.9  | 51.1  | 76.7   |

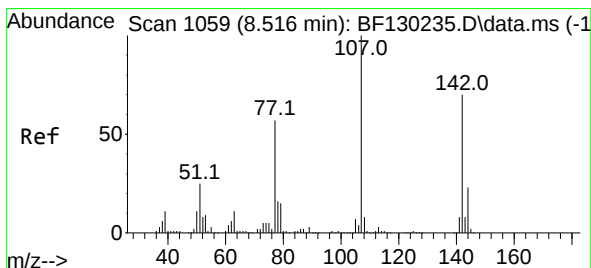
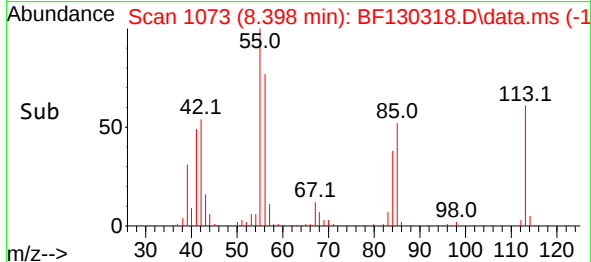
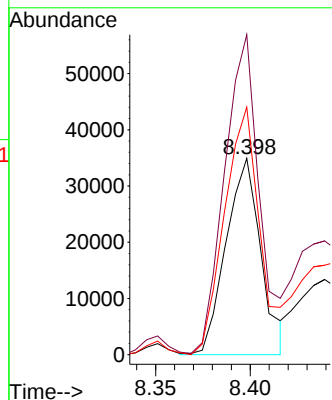
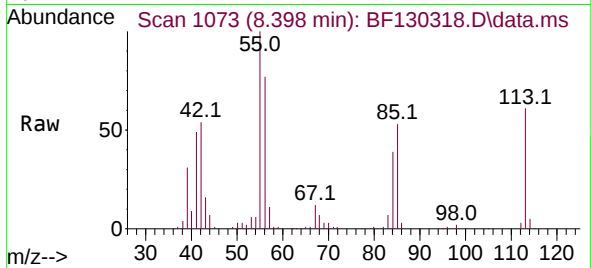




#35  
 Caprolactam  
 Concen: 24.607 ng  
 RT: 8.398 min Scan# 1091  
 Delta R.T. -0.006 min  
 Lab File: BF130318.D  
 Acq: 19 Sep 2022 13:27

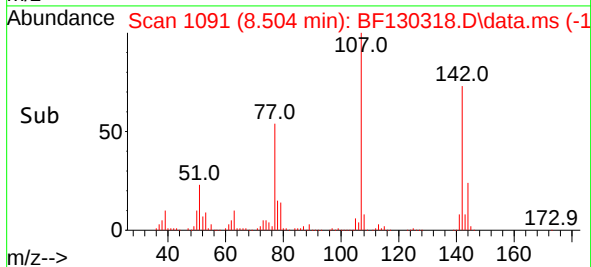
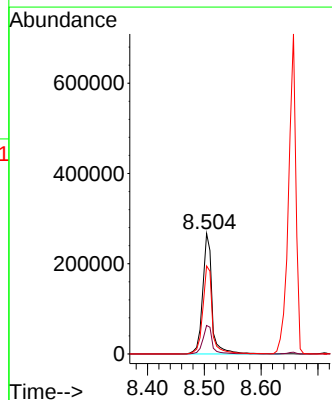
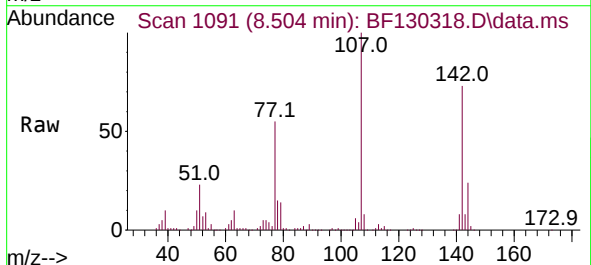
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB147677BS

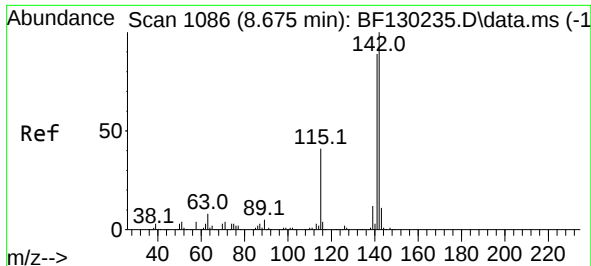
Tgt Ion:113 Resp: 44576  
 Ion Ratio Lower Upper  
 113 100  
 55 163.0 155.4 195.4  
 56 126.1 120.4 160.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.420 ng  
 RT: 8.504 min Scan# 1091  
 Delta R.T. -0.000 min  
 Lab File: BF130318.D  
 Acq: 19 Sep 2022 13:27

Tgt Ion:107 Resp: 304117  
 Ion Ratio Lower Upper  
 107 100  
 144 23.6 20.0 30.0  
 142 73.0 61.3 91.9





#37

2-Methylnaphthalene

Concen: 42.387 ng

RT: 8.657 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

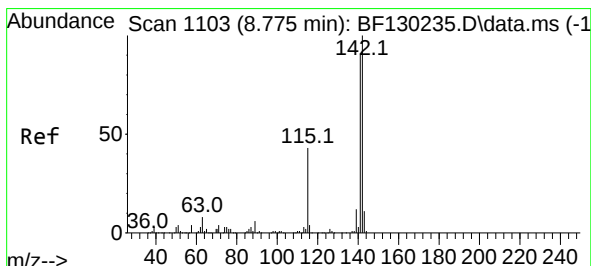
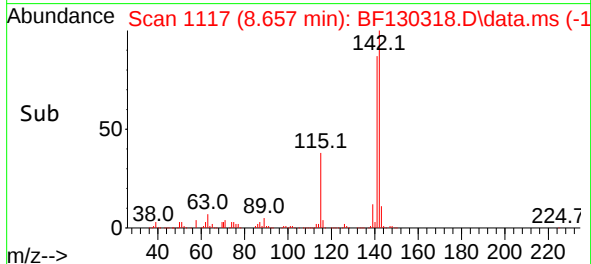
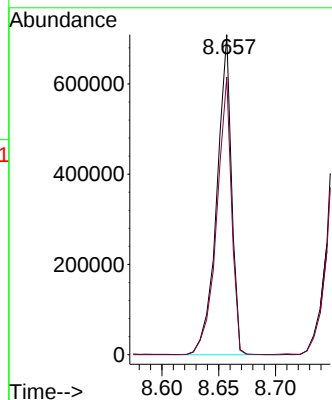
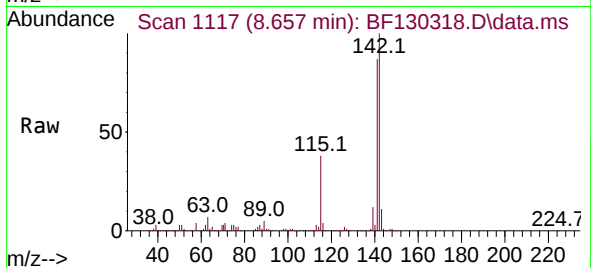
PB147677BS

Tgt Ion:142 Resp: 639987

Ion Ratio Lower Upper

142 100

141 86.8 70.0 105.0



#38

1-Methylnaphthalene

Concen: 41.333 ng

RT: 8.757 min Scan# 1134

Delta R.T. -0.000 min

Lab File: BF130318.D

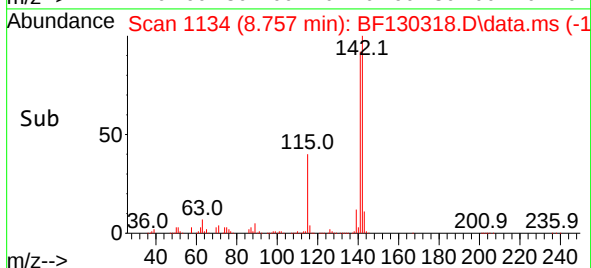
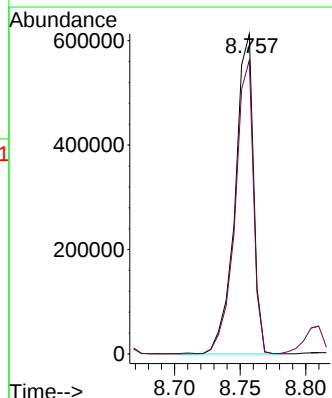
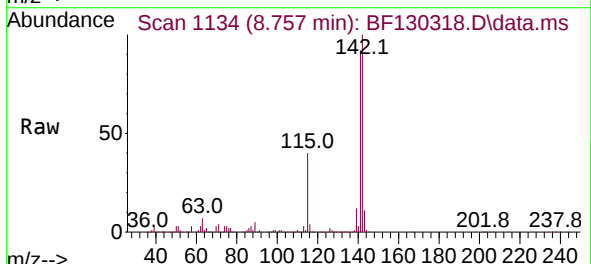
Acq: 19 Sep 2022 13:27

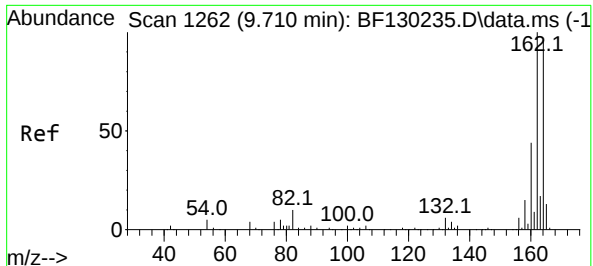
Tgt Ion:142 Resp: 599516

Ion Ratio Lower Upper

142 100

141 91.8 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.692 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

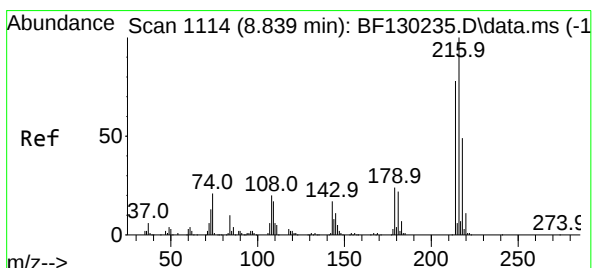
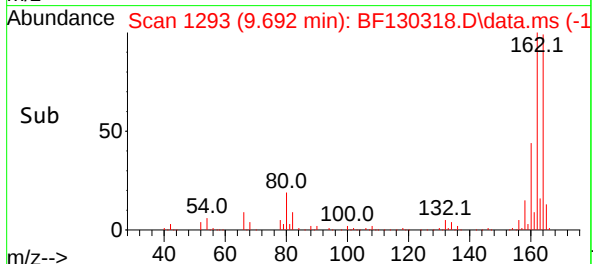
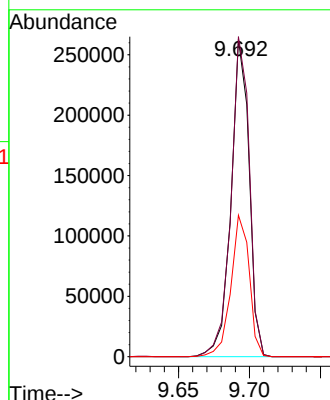
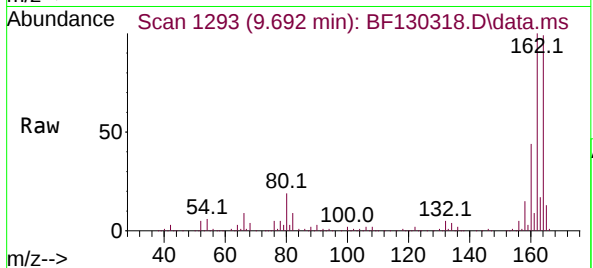
Tgt Ion:164 Resp: 233246

Ion Ratio Lower Upper

164 100

162 100.8 81.4 122.0

160 44.5 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.938 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Tgt Ion:216 Resp: 292413

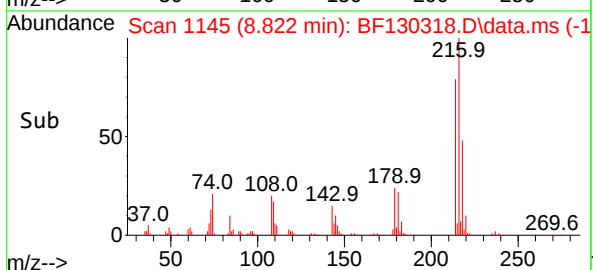
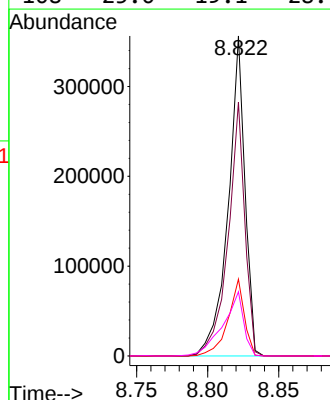
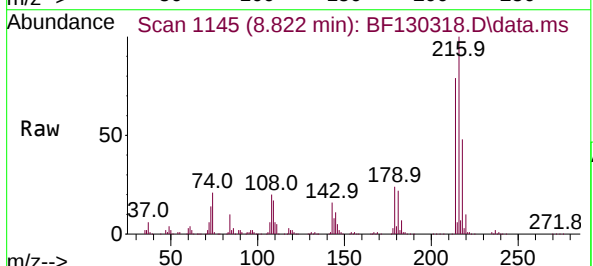
Ion Ratio Lower Upper

216 100

214 79.0 62.8 94.2

179 23.5 19.5 29.3

108 25.0 19.1 28.7

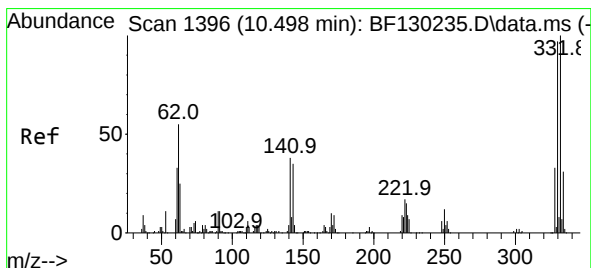
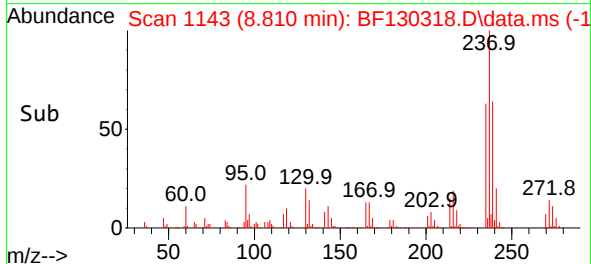
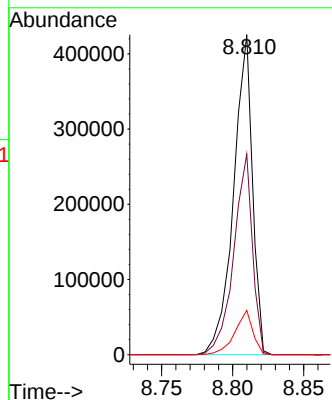
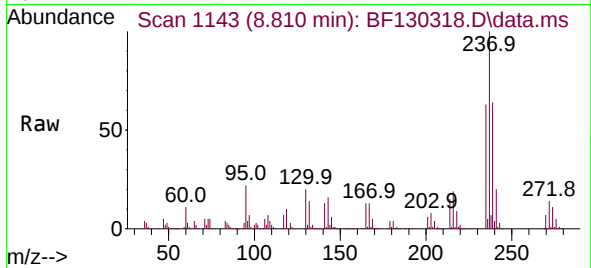




#41  
Hexachlorocyclopentadiene  
Concen: 115.699 ng  
RT: 8.810 min Scan# 1112  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

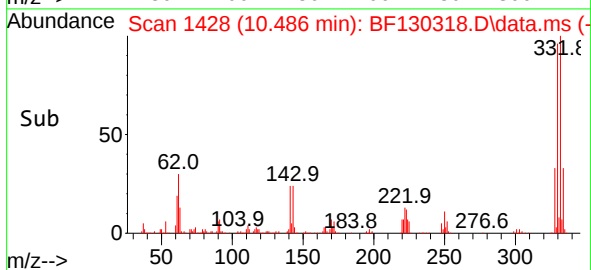
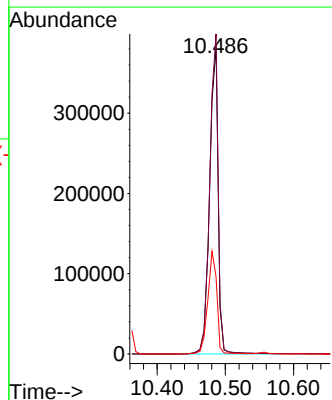
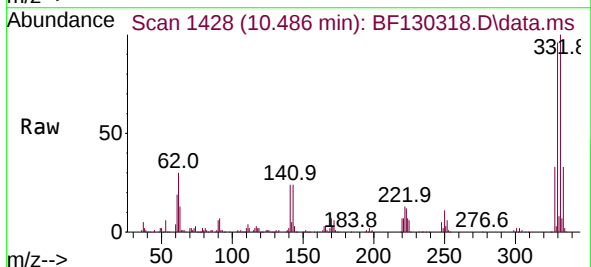
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BNA\_F  
ClientSampleId :  
PB147677BS

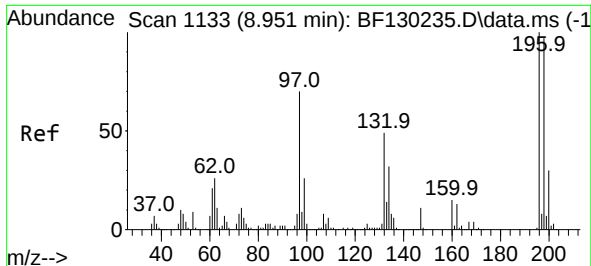
Tgt Ion:237 Resp: 394299  
Ion Ratio Lower Upper  
237 100  
235 62.7 42.5 82.5  
272 13.9 0.0 32.8



#42  
2,4,6-Tribromophenol  
Concen: 149.222 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:330 Resp: 333502  
Ion Ratio Lower Upper  
330 100  
332 103.6 83.4 125.2  
141 35.4 34.0 51.0





#43

2,4,6-Trichlorophenol

Concen: 44.214 ng

RT: 8.933 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

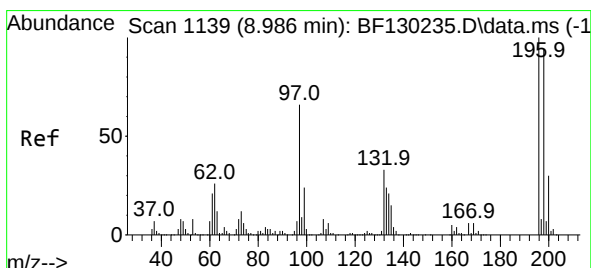
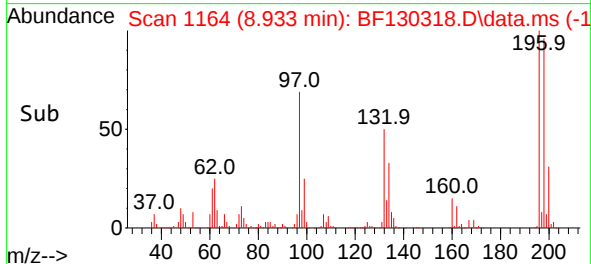
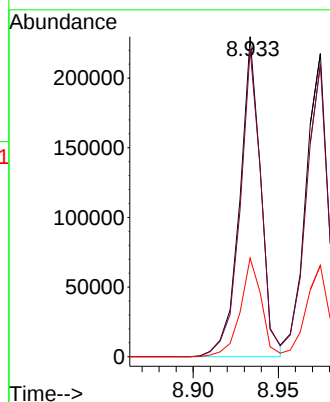
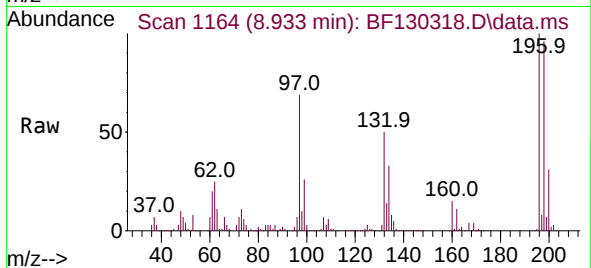
Tgt Ion:196 Resp: 196420

Ion Ratio Lower Upper

196 100

198 96.0 72.4 108.6

200 30.8 23.8 35.6



#44

2,4,5-Trichlorophenol

Concen: 43.025 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Tgt Ion:196 Resp: 206258

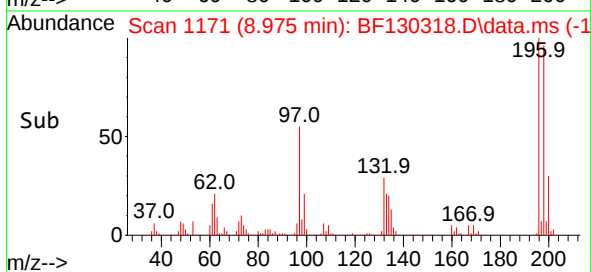
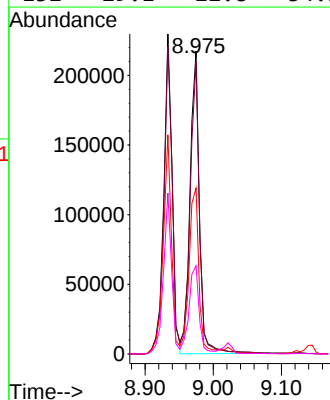
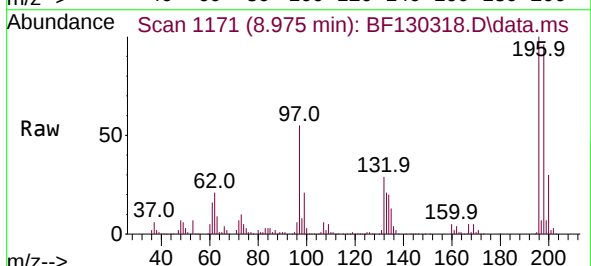
Ion Ratio Lower Upper

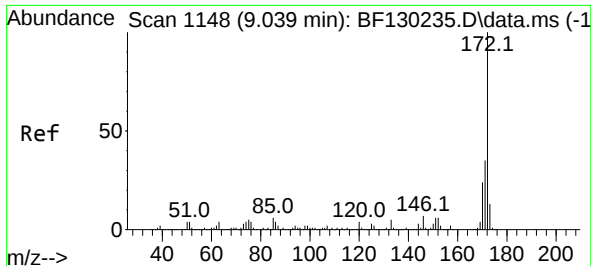
196 100

198 96.4 74.8 112.2

97 54.8 43.7 65.5

132 29.1 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 82.922 ng

RT: 9.022 min Scan# 1148

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

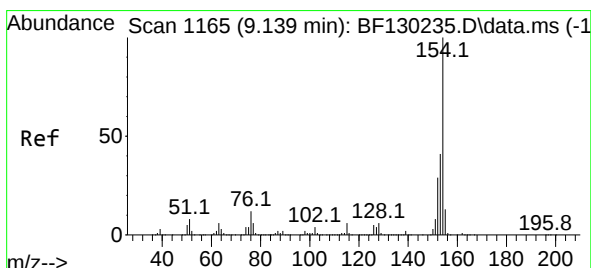
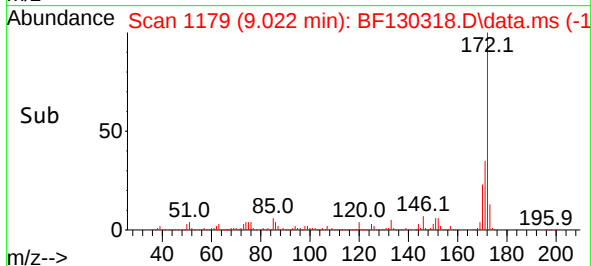
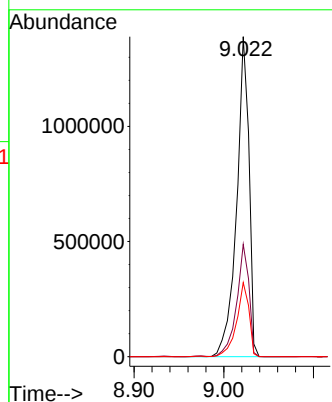
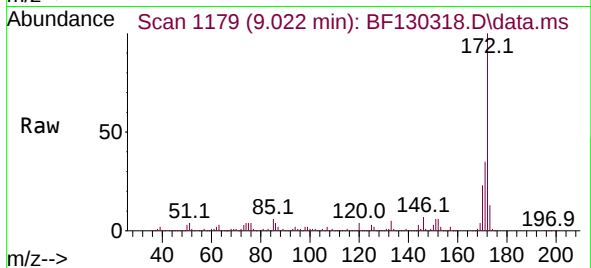
Tgt Ion:172 Resp: 1328207

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.2 18.7 28.1



#46

1,1'-Biphenyl

Concen: 44.101 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

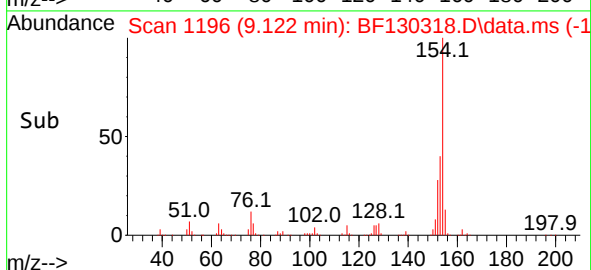
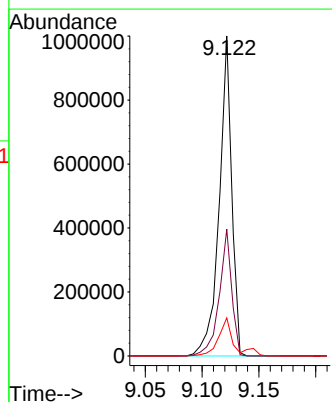
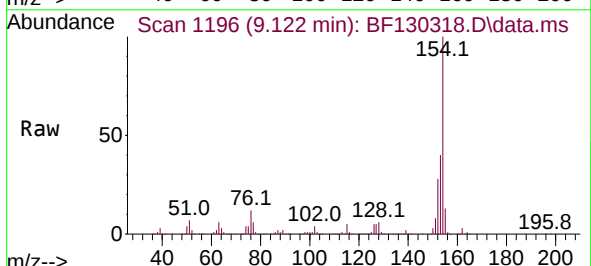
Tgt Ion:154 Resp: 768238

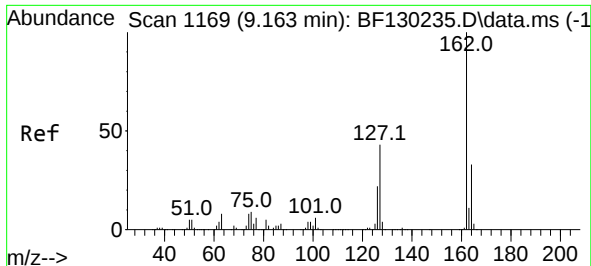
Ion Ratio Lower Upper

154 100

153 39.7 20.0 60.0

76 11.9 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.419 ng

RT: 9.145 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

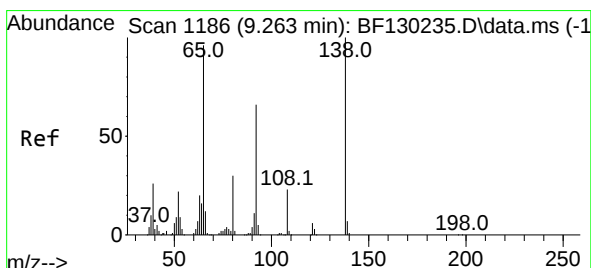
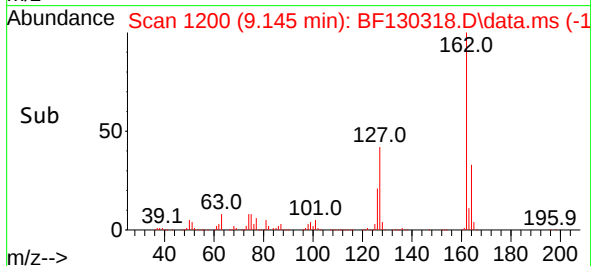
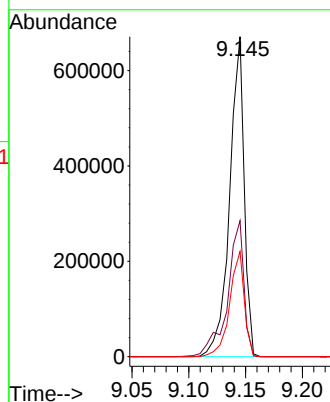
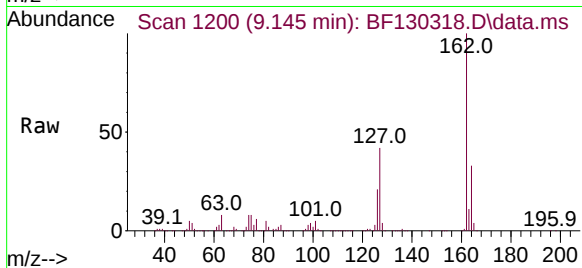
Tgt Ion:162 Resp: 597746

Ion Ratio Lower Upper

162 100

127 42.5 35.9 53.9

164 32.9 26.2 39.2



#48

2-Nitroaniline

Concen: 39.936 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

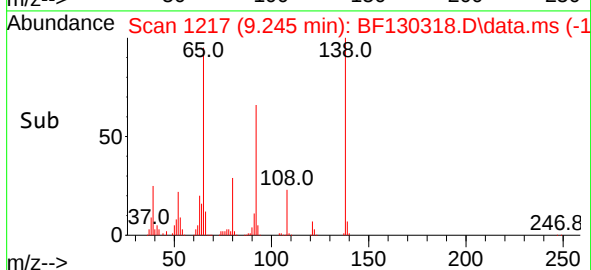
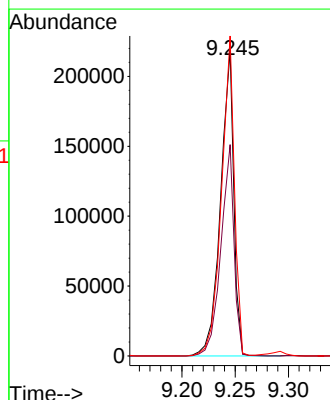
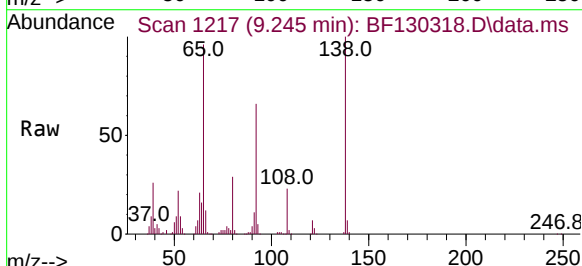
Tgt Ion: 65 Resp: 187696

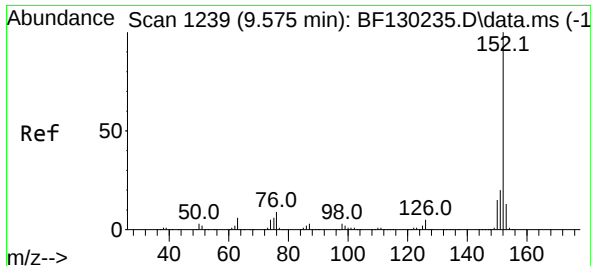
Ion Ratio Lower Upper

65 100

92 69.1 52.2 78.4

138 104.7 77.0 115.4

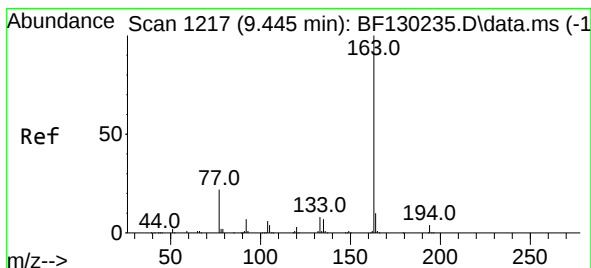
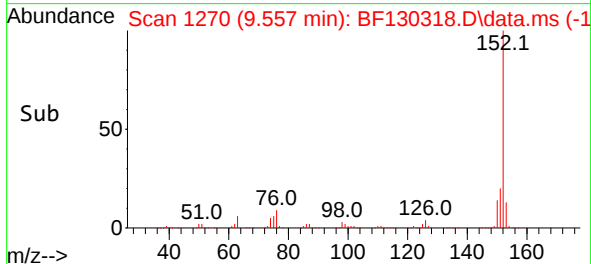
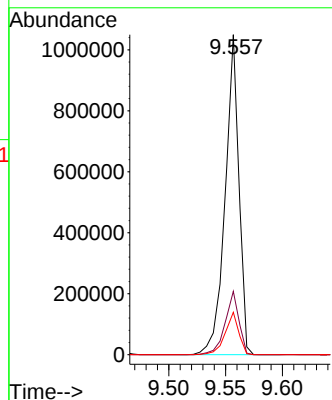
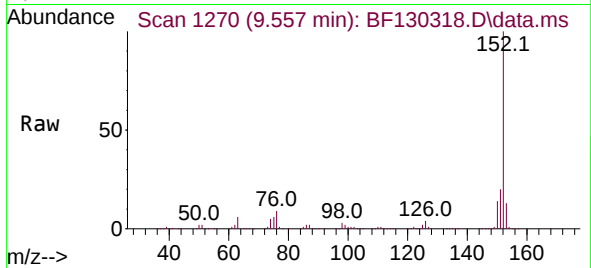




#49  
Acenaphthylene  
Concen: 41.945 ng  
RT: 9.557 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

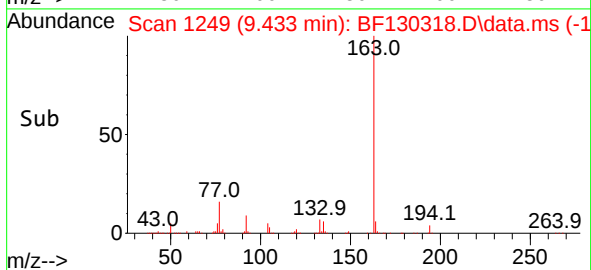
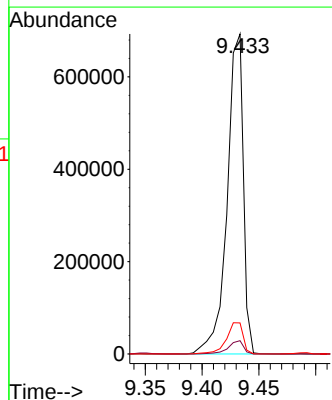
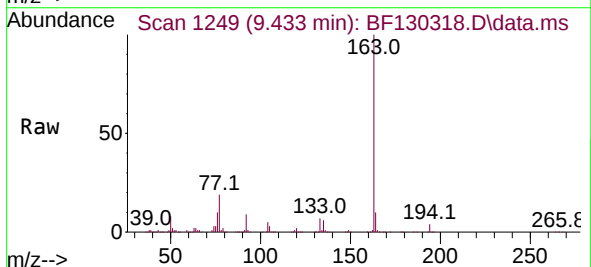
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

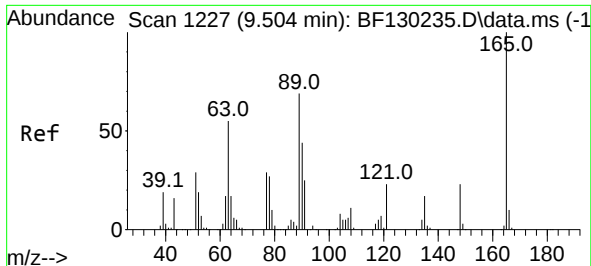
Tgt Ion:152 Resp: 886230  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.2 24.2  
153 13.3 10.6 15.8



#50  
Dimethylphthalate  
Concen: 42.579 ng  
RT: 9.433 min Scan# 1249  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:163 Resp: 686013  
Ion Ratio Lower Upper  
163 100  
194 4.1 2.8 4.2  
164 9.7 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 44.263 ng

RT: 9.486 min Scan# 1227

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

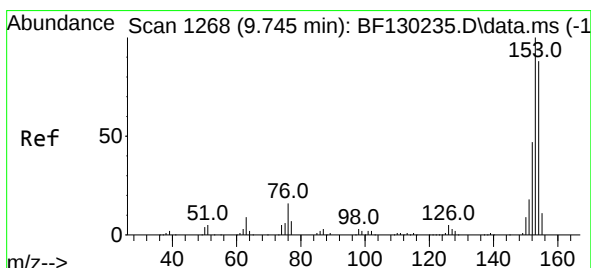
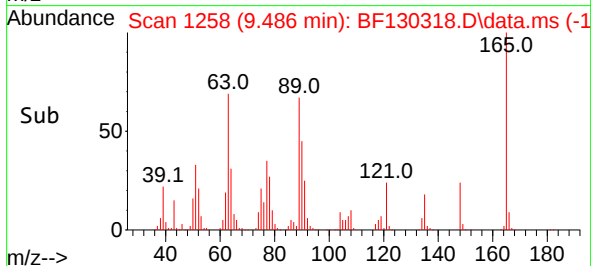
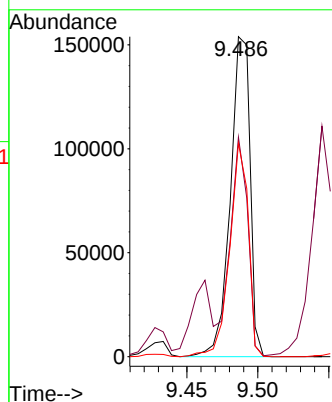
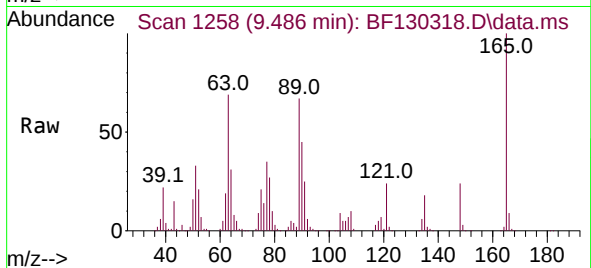
Tgt Ion:165 Resp: 149147

Ion Ratio Lower Upper

165 100

63 68.6 58.8 88.2

89 66.7 54.5 81.7



#52

Acenaphthene

Concen: 38.362 ng

RT: 9.727 min Scan# 1299

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

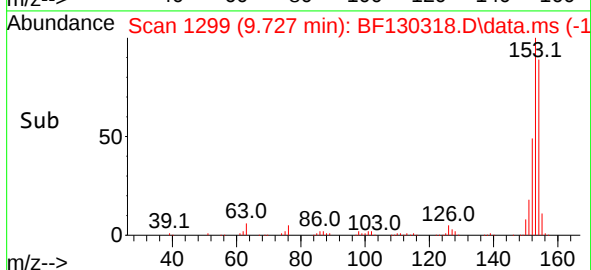
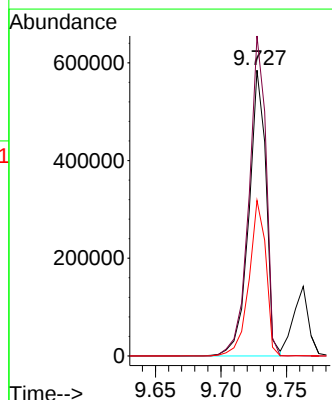
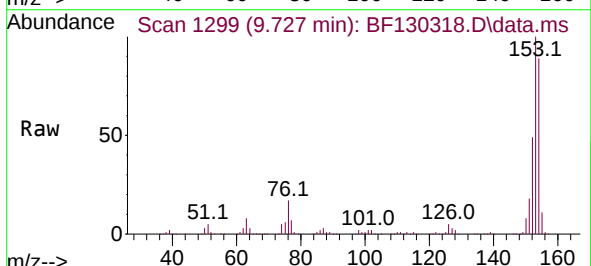
Tgt Ion:154 Resp: 532532

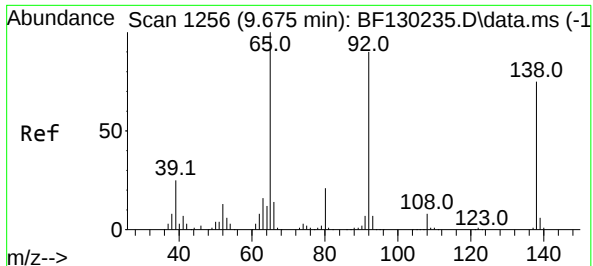
Ion Ratio Lower Upper

154 100

153 112.0 90.6 136.0

152 54.4 43.8 65.6

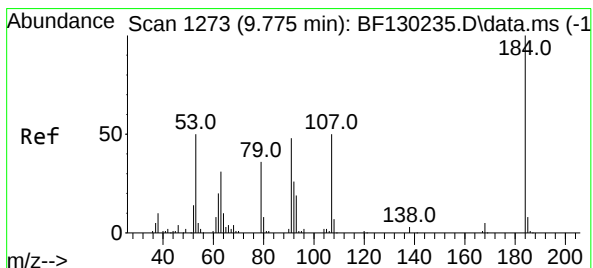
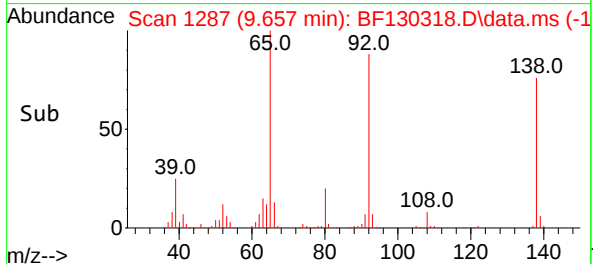
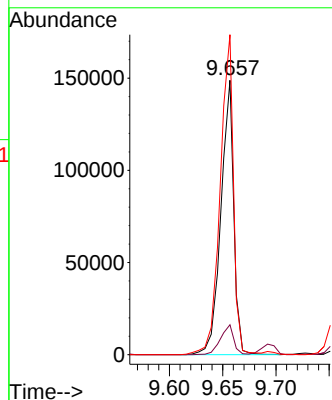
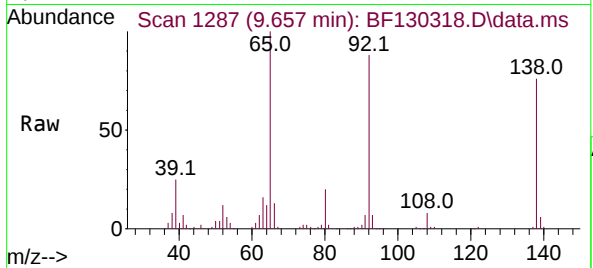




#53  
3-Nitroaniline  
Concen: 33.151 ng  
RT: 9.657 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

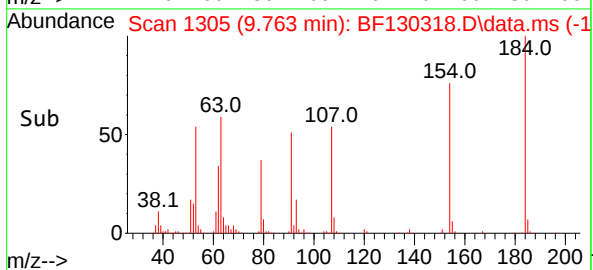
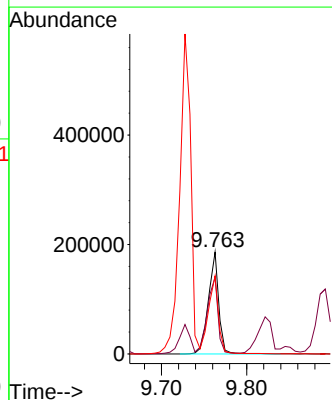
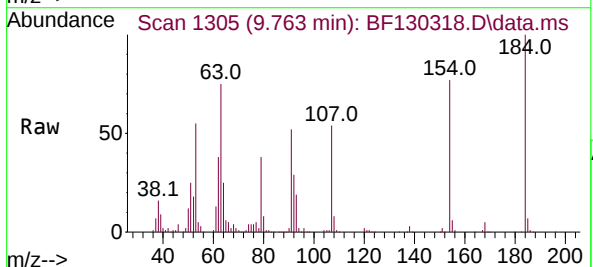
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

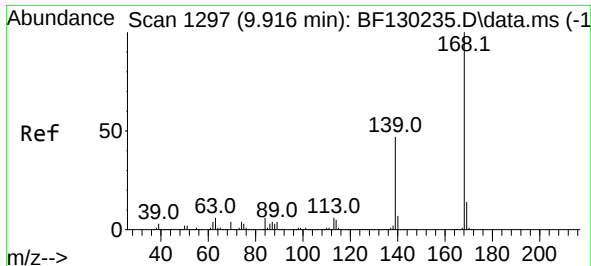
Tgt Ion:138 Resp: 124469  
Ion Ratio Lower Upper  
138 100  
108 10.9 9.2 13.8  
92 116.6 99.2 148.8



#54  
2,4-Dinitrophenol  
Concen: 85.871 ng  
RT: 9.763 min Scan# 1305  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:184 Resp: 157870  
Ion Ratio Lower Upper  
184 100  
63 75.4 70.0 105.0  
154 76.6 63.0 94.6

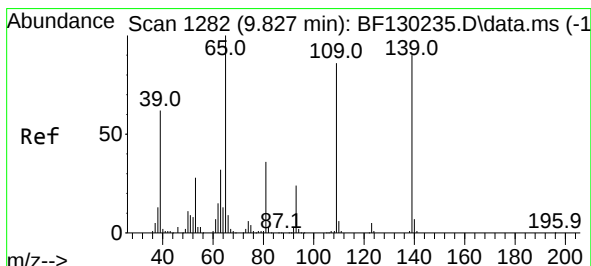
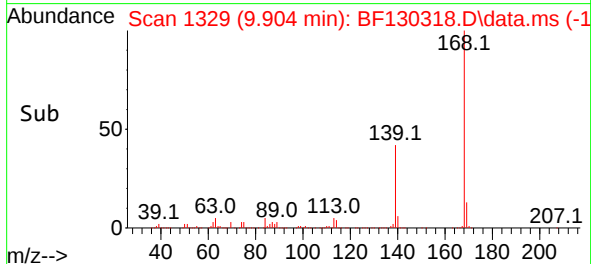
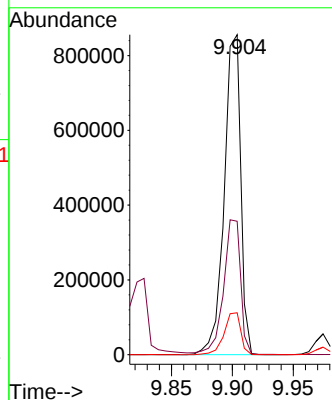
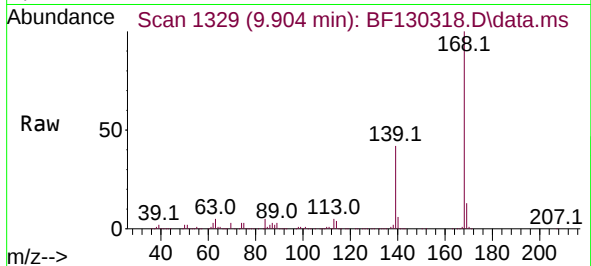




#55  
Dibenzenofuran  
Concen: 41.977 ng  
RT: 9.904 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

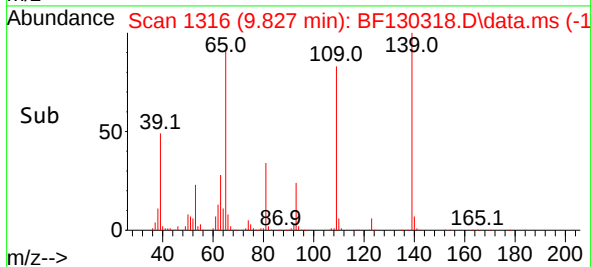
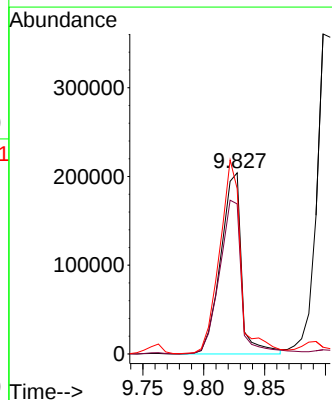
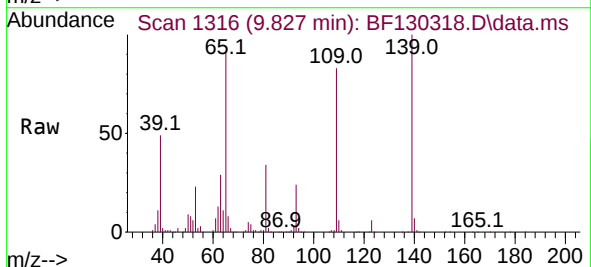
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

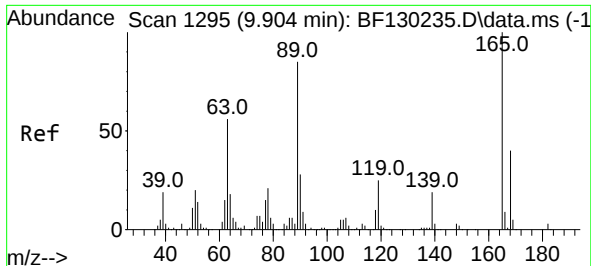
Tgt Ion:168 Resp: 810523  
Ion Ratio Lower Upper  
168 100  
139 41.7 35.0 52.4  
169 13.1 10.9 16.3



#56  
4-Nitrophenol  
Concen: 89.110 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. 0.012 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:139 Resp: 243689  
Ion Ratio Lower Upper  
139 100  
109 82.9 72.2 112.2  
65 91.3 97.7 137.7#

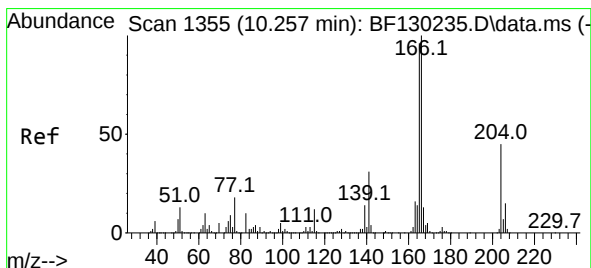
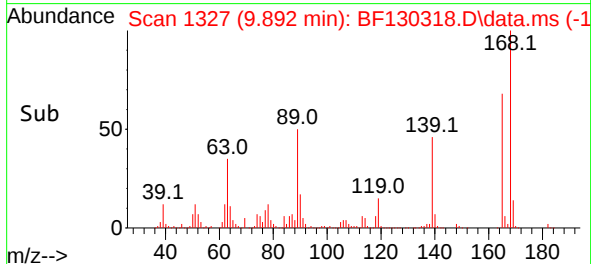
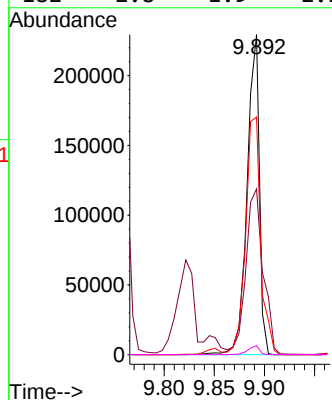
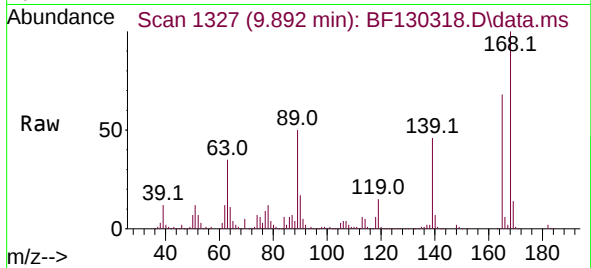




#57  
2,4-Dinitrotoluene  
Concen: 45.556 ng  
RT: 9.892 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

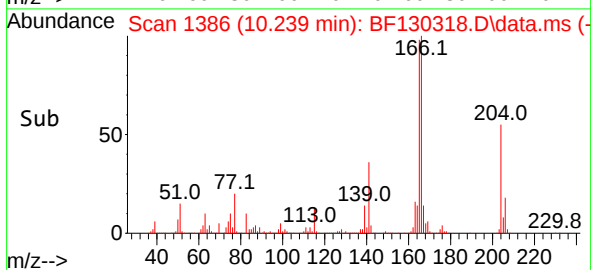
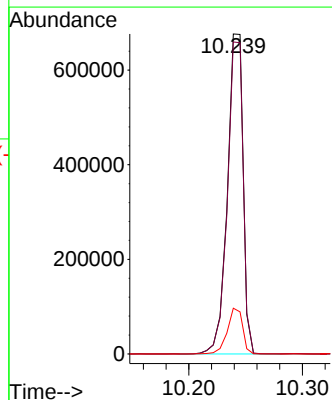
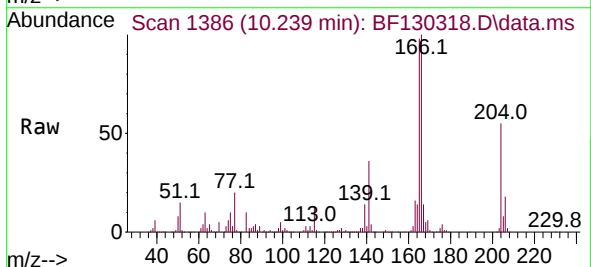
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

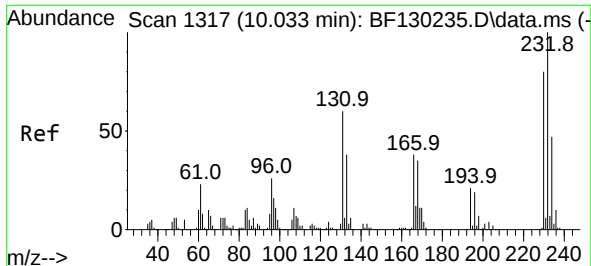
Tgt Ion:165 Resp: 196182  
Ion Ratio Lower Upper  
165 100  
63 51.8 44.7 67.1  
89 74.3 69.0 103.4  
182 2.8 1.9 2.9



#58  
Fluorene  
Concen: 41.264 ng  
RT: 10.239 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:166 Resp: 651606  
Ion Ratio Lower Upper  
166 100  
165 97.5 78.8 118.2  
167 14.3 10.6 15.8

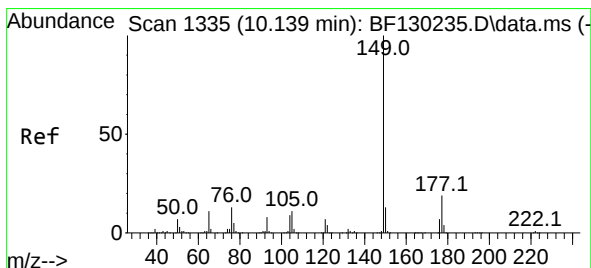
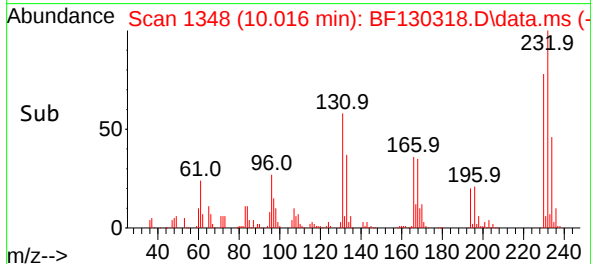
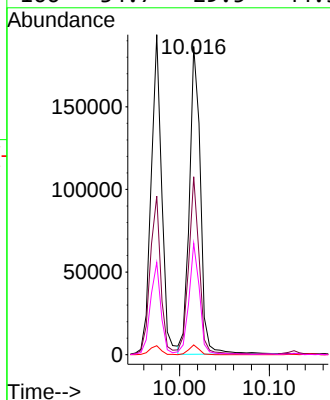
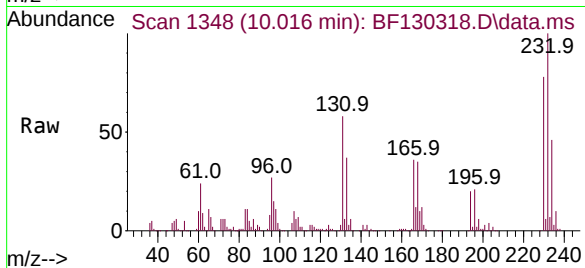




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.424 ng  
RT: 10.016 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

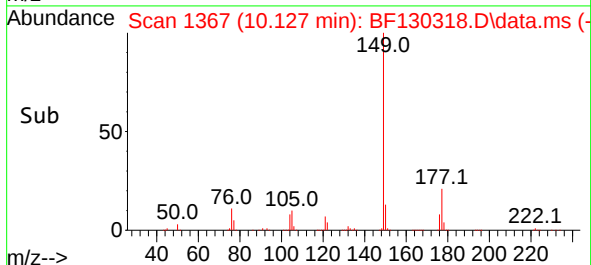
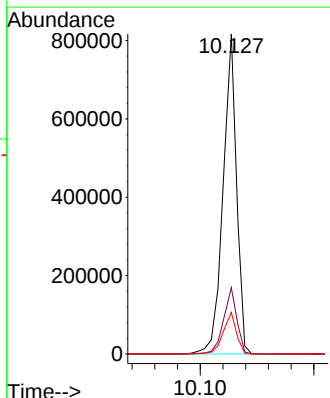
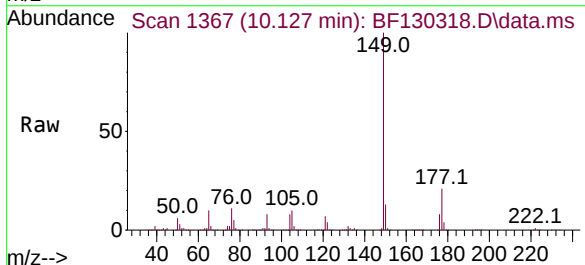
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

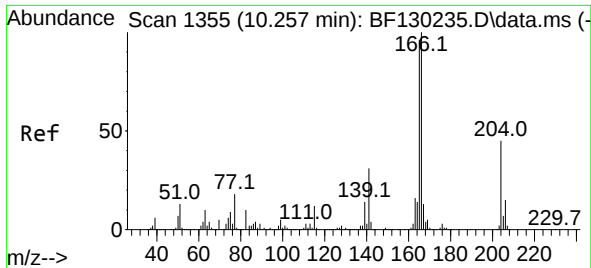
Tgt Ion:232 Resp: 159184  
Ion Ratio Lower Upper  
232 100  
131 55.2 46.4 69.6  
130 2.9 2.3 3.5  
166 34.7 29.5 44.3



#60  
Diethylphthalate  
Concen: 41.746 ng  
RT: 10.127 min Scan# 1367  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:149 Resp: 674489  
Ion Ratio Lower Upper  
149 100  
177 20.7 16.1 24.1  
150 13.0 9.9 14.9

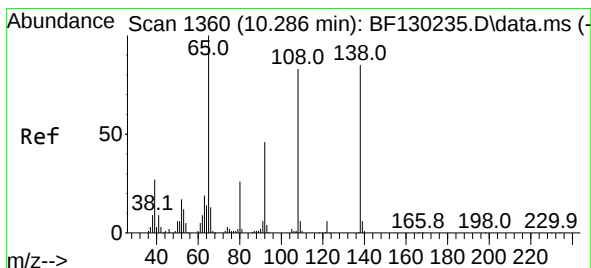
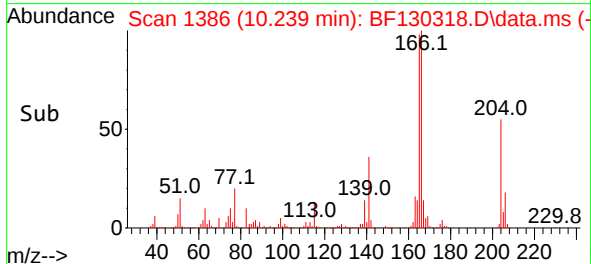
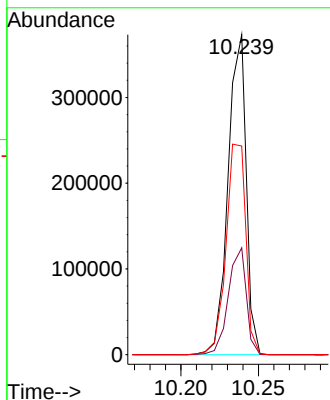
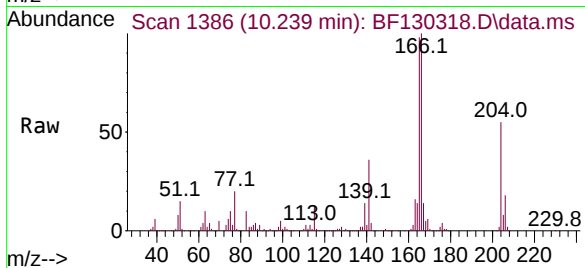




#61  
4-Chlorophenyl-phenylether  
Concen: 43.829 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

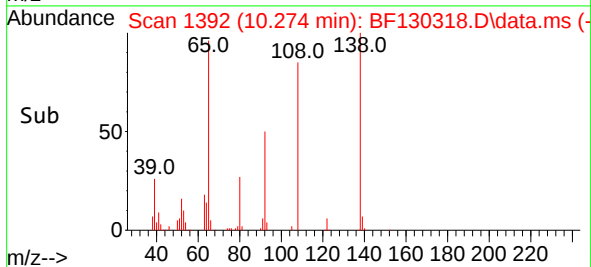
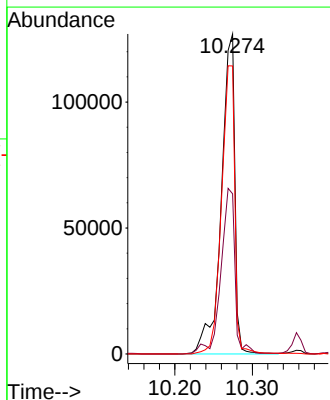
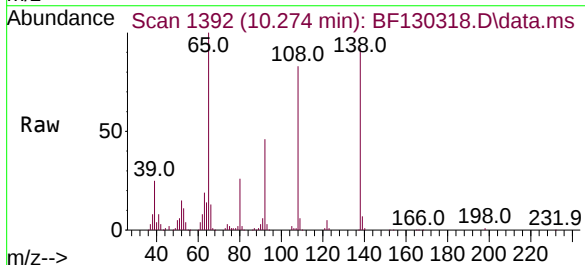
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

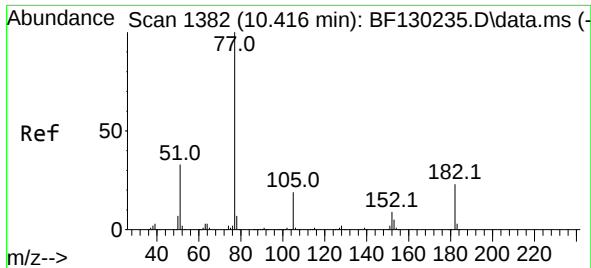
Tgt Ion:204 Resp: 303611  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.6 39.8  
141 65.2 57.1 85.7



#62  
4-Nitroaniline  
Concen: 40.930 ng  
RT: 10.274 min Scan# 1392  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:138 Resp: 154381  
Ion Ratio Lower Upper  
138 100  
92 50.0 36.7 76.7  
108 90.0 78.2 118.2

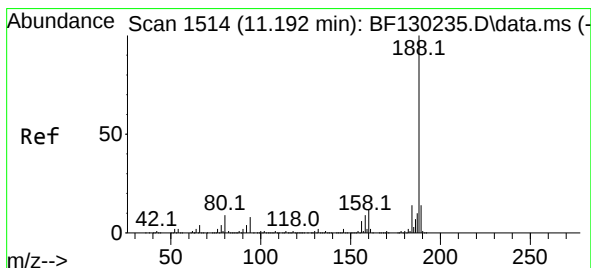
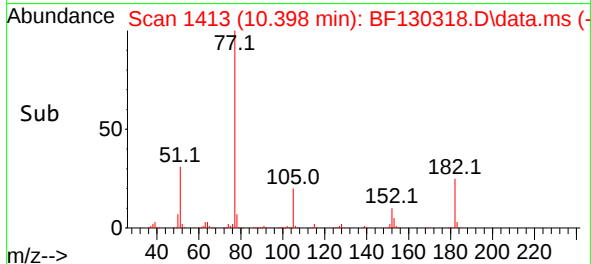
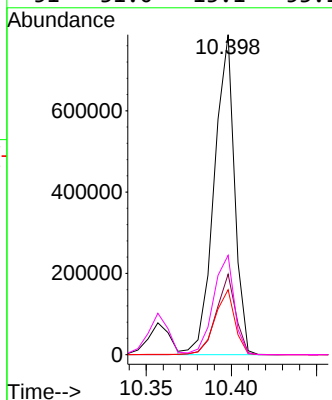
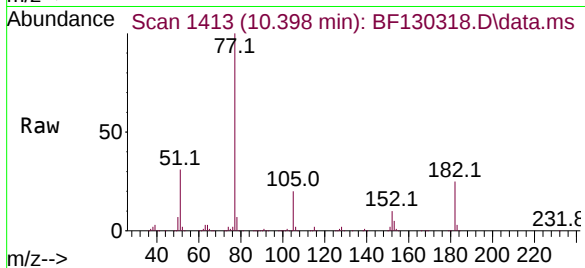




#63  
Azobenzene  
Concen: 39.220 ng  
RT: 10.398 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

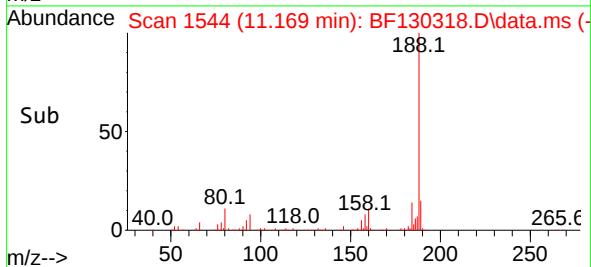
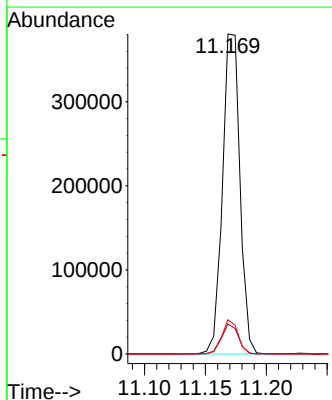
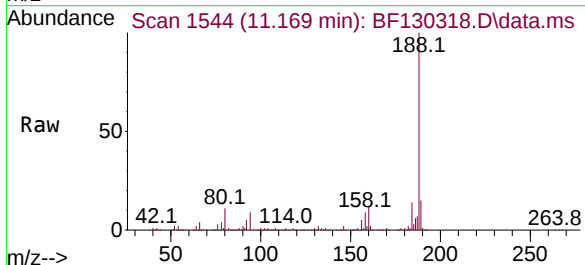
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

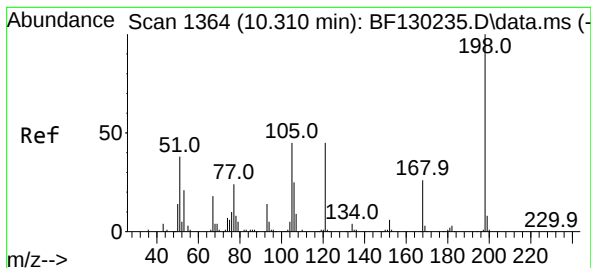
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 652498 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 25.2    | 2.1 42.1     |
| 105 20.3    | 0.0 39.4     |
| 51 31.0     | 13.1 53.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.169 min Scan# 1544  
Delta R.T. -0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 381193 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.4      | 7.4 11.2     |
| 80 10.7     | 7.9 11.9     |

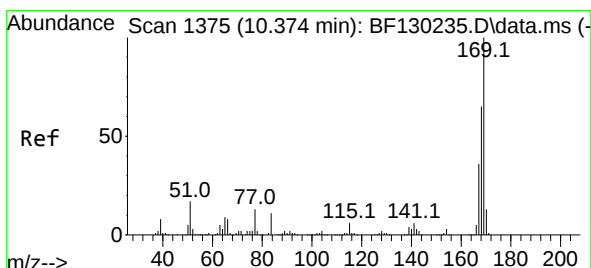
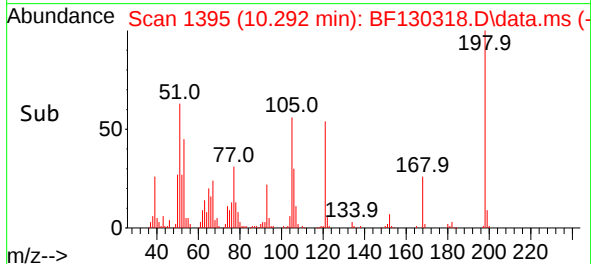
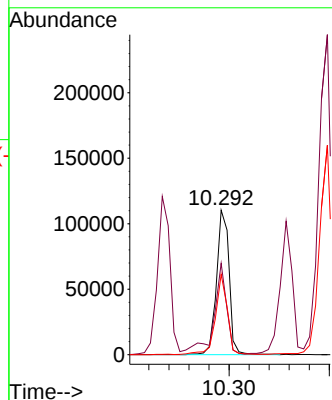
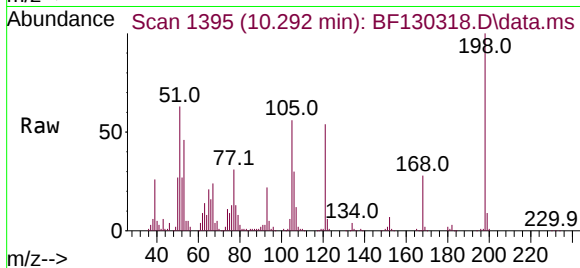




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.205 ng  
RT: 10.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

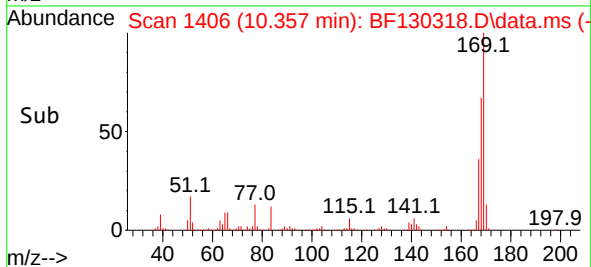
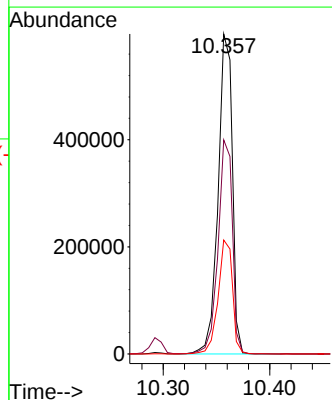
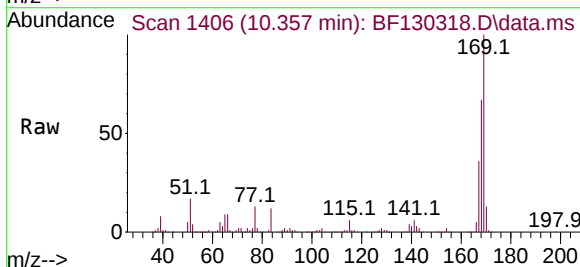
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

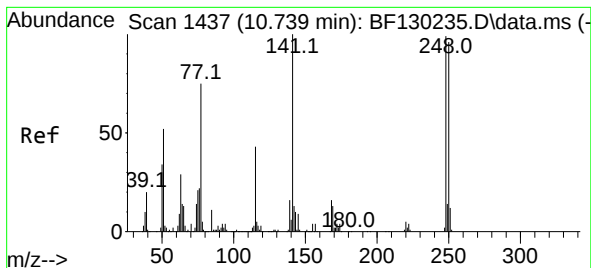
Tgt Ion:198 Resp: 95924  
Ion Ratio Lower Upper  
198 100  
51 63.3 36.9 76.9  
105 55.6 33.0 73.0



#66  
n-Nitrosodiphenylamine  
Concen: 43.448 ng  
RT: 10.357 min Scan# 1406  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:169 Resp: 553447  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.2 79.8  
167 35.6 29.2 43.8

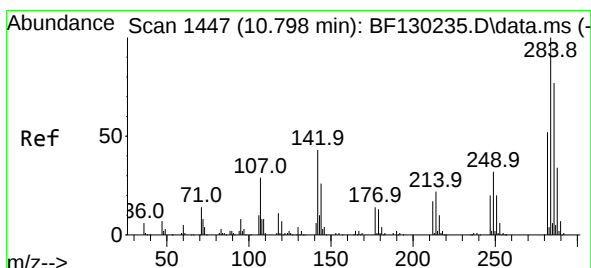
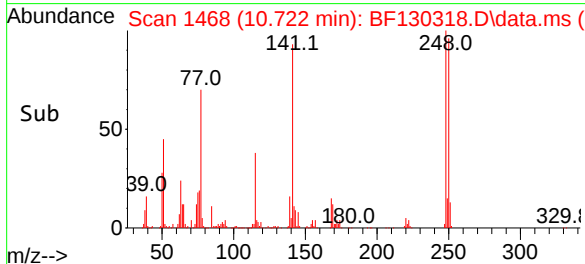
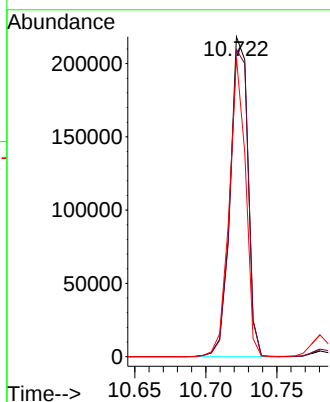
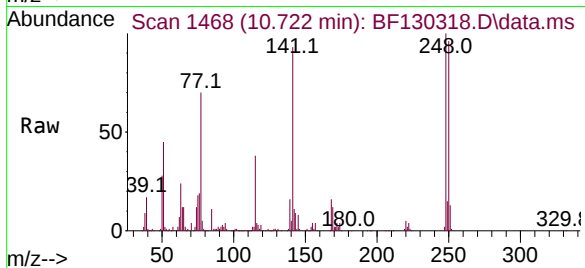




#67  
4-Bromophenyl-phenylether  
Concen: 45.361 ng  
RT: 10.722 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

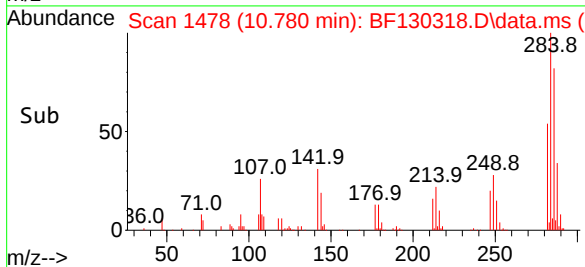
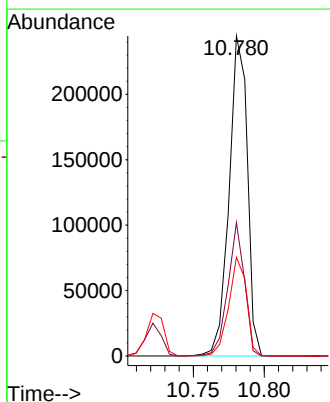
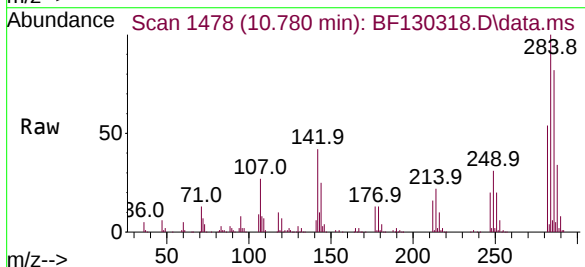
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

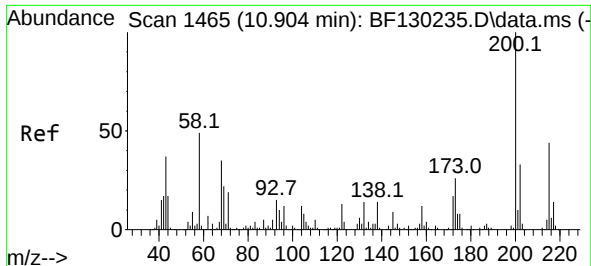
Tgt Ion:248 Resp: 190750  
Ion Ratio Lower Upper  
248 100  
250 96.0 80.0 120.0  
141 93.5 68.5 102.7



#68  
Hexachlorobenzene  
Concen: 45.947 ng  
RT: 10.780 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:284 Resp: 219023  
Ion Ratio Lower Upper  
284 100  
142 41.7 27.2 40.8#  
249 30.9 23.8 35.8

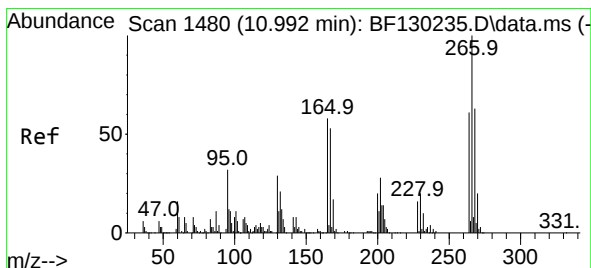
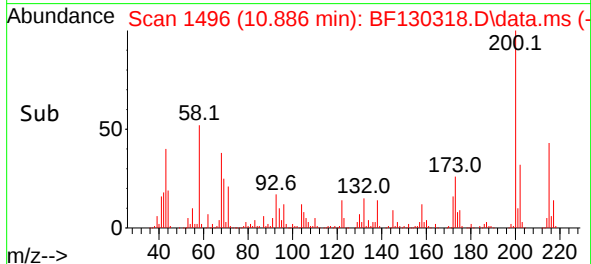
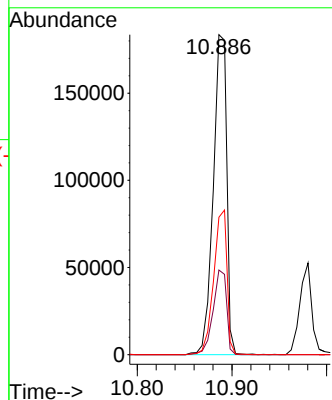
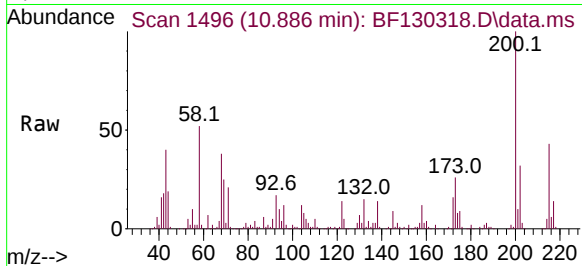




#69  
Atrazine  
Concen: 48.566 ng  
RT: 10.886 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

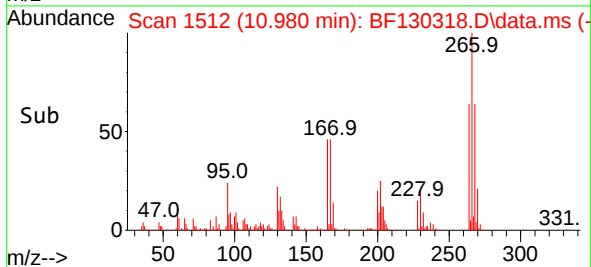
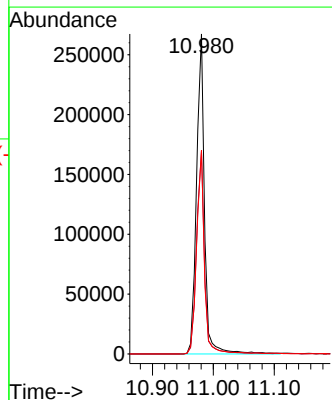
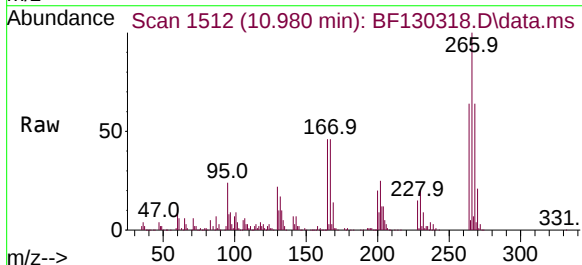
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

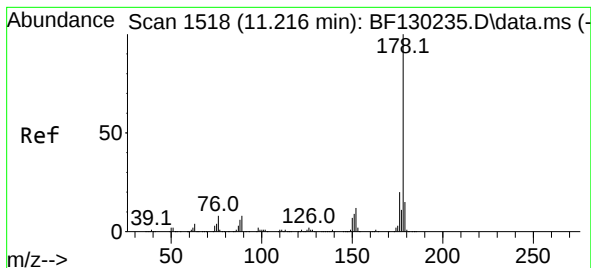
Tgt Ion:200 Resp: 180791  
Ion Ratio Lower Upper  
200 100  
173 26.4 6.2 46.2  
215 43.0 22.5 62.5



#70  
Pentachlorophenol  
Concen: 94.898 ng  
RT: 10.980 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:266 Resp: 242779  
Ion Ratio Lower Upper  
266 100  
268 63.5 50.5 75.7  
264 63.7 50.5 75.7





#71

Phenanthrene

Concen: 41.977 ng

RT: 11.198 min Scan# 1549

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

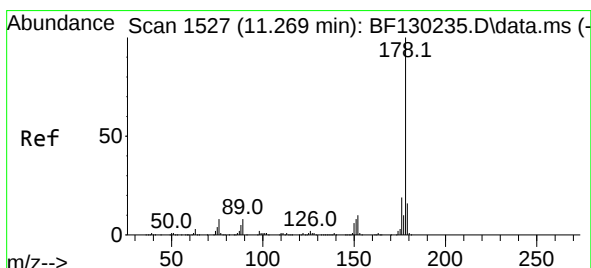
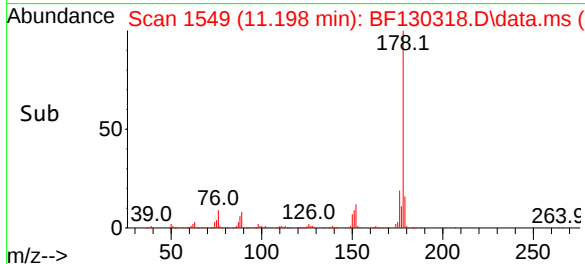
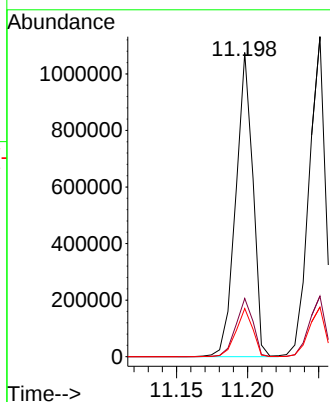
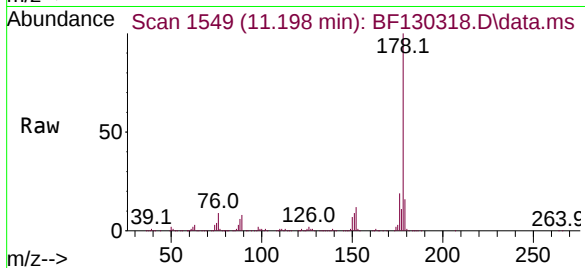
Tgt Ion:178 Resp: 898374

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.8 12.4 18.6



#72

Anthracene

Concen: 43.935 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

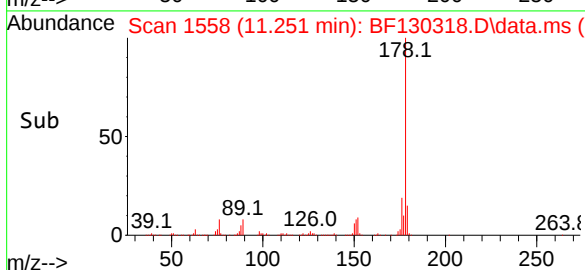
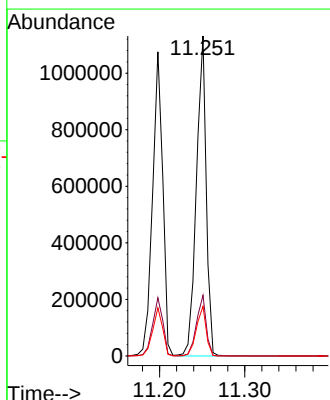
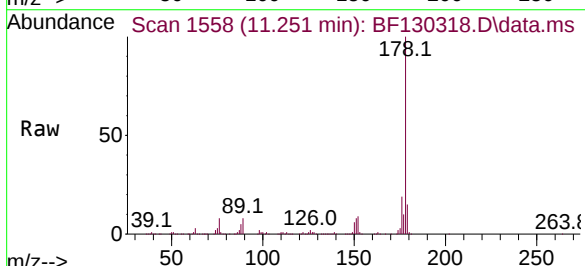
Tgt Ion:178 Resp: 907396

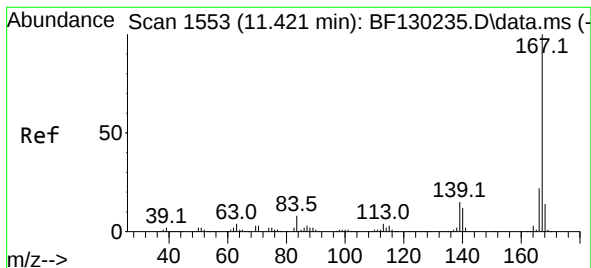
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 15.5 12.7 19.1





#73

Carbazole

Concen: 43.845 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

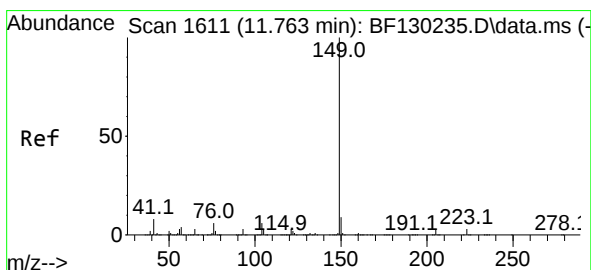
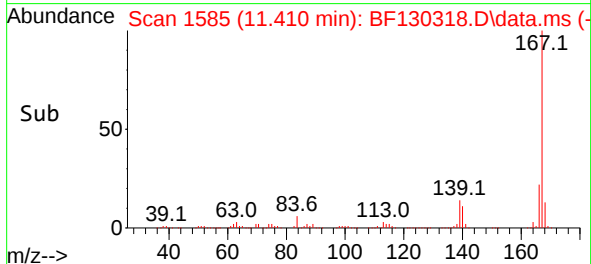
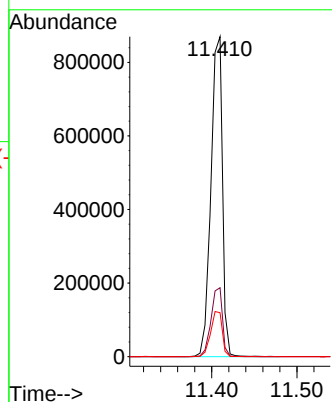
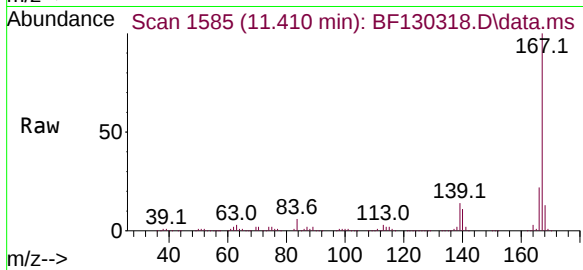
Tgt Ion:167 Resp: 817243

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.2

139 13.8 11.6 17.4



#74

Di-n-butylphthalate

Concen: 45.198 ng

RT: 11.745 min Scan# 1642

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

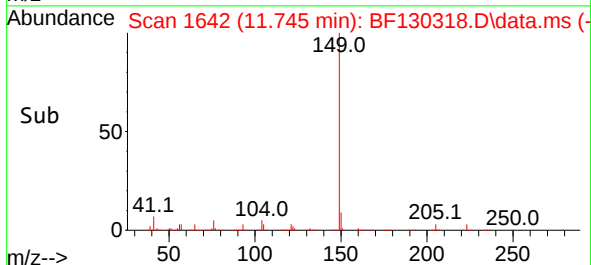
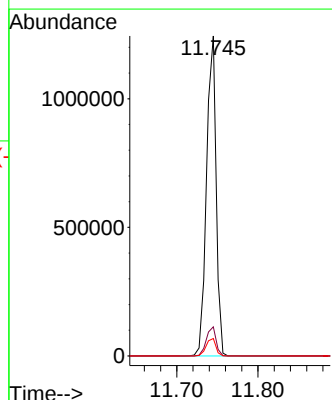
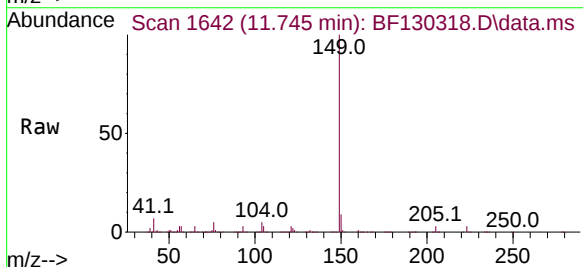
Tgt Ion:149 Resp: 1015895

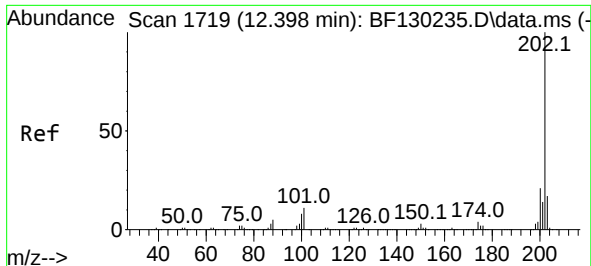
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.5 4.8 7.2

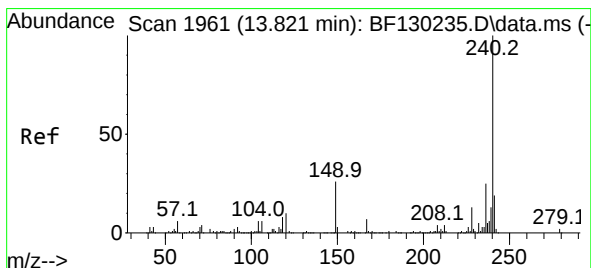
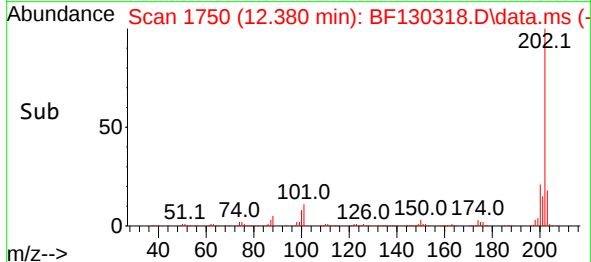
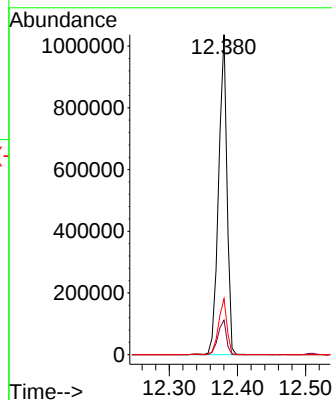
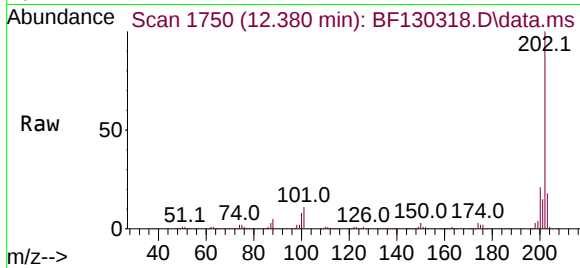




#75  
Fluoranthene  
Concen: 42.912 ng  
RT: 12.380 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

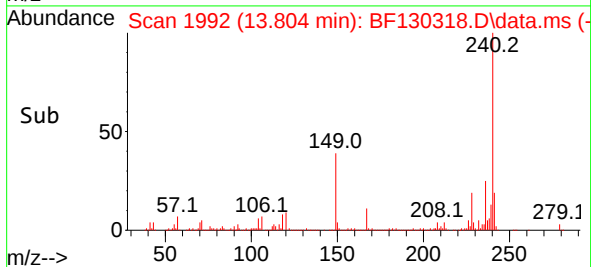
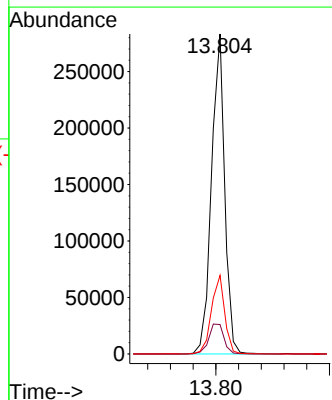
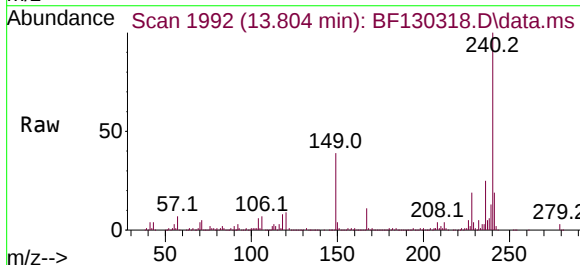
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

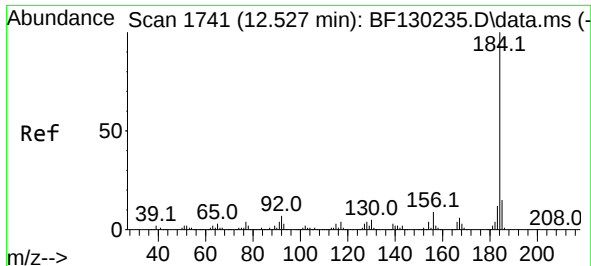
Tgt Ion:202 Resp: 887446  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 31.8  
203 17.5 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.804 min Scan# 1992  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:240 Resp: 227924  
Ion Ratio Lower Upper  
240 100  
120 9.2 8.7 13.1  
236 24.6 20.9 31.3

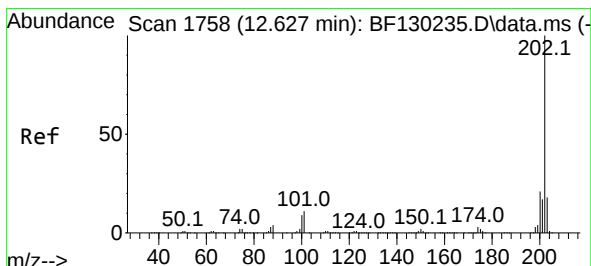
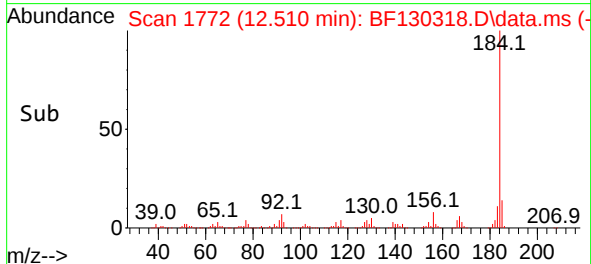
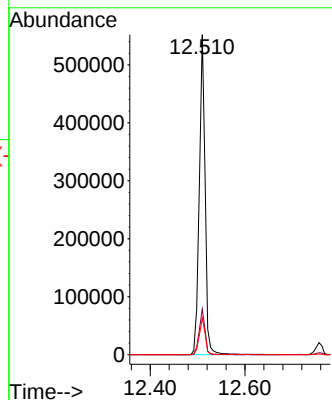
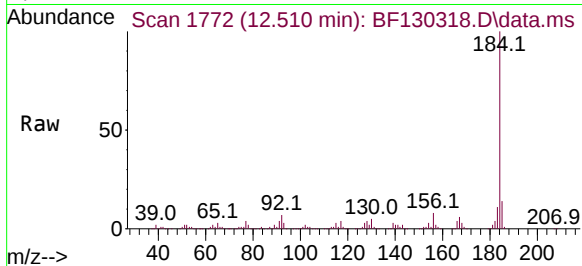




#77  
Benzidine  
Concen: 71.149 ng  
RT: 12.510 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

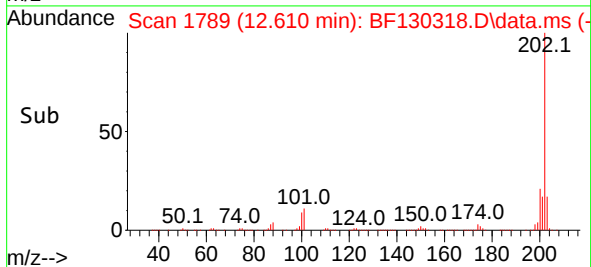
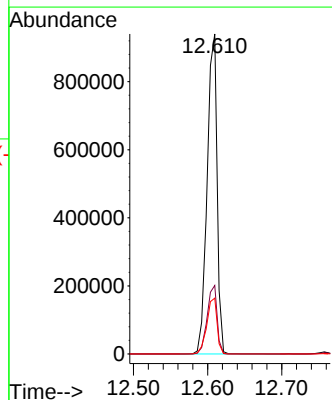
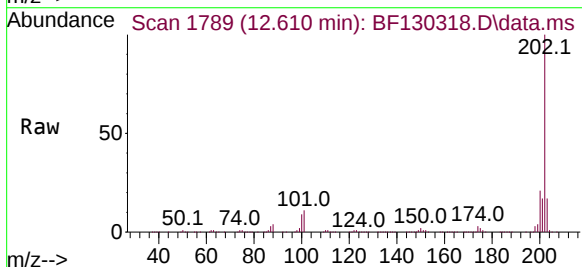
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

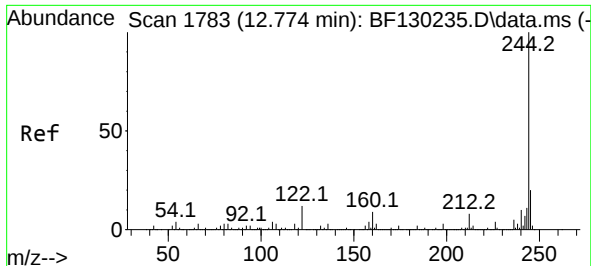
Tgt Ion:184 Resp: 470751  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.8 17.6  
183 11.4 9.1 13.7



#78  
Pyrene  
Concen: 44.154 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

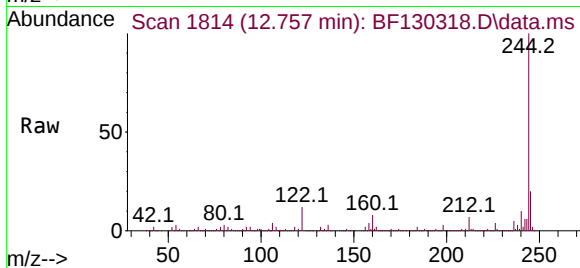
Tgt Ion:202 Resp: 880390  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.2 25.8  
203 17.4 14.3 21.5



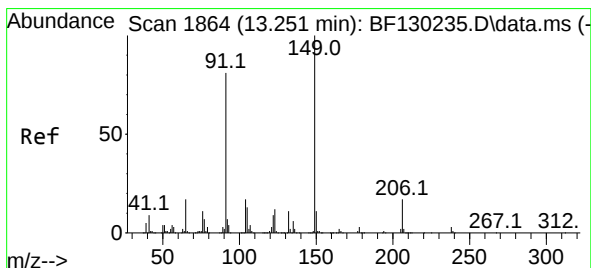
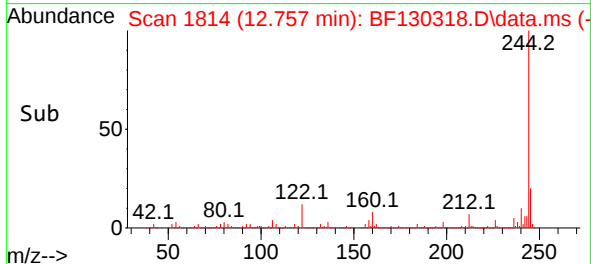
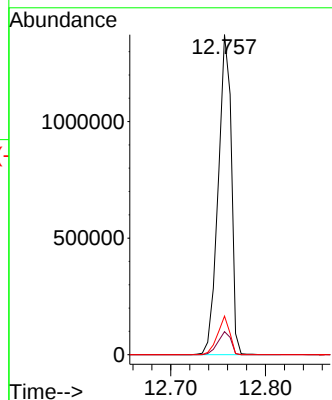


#79  
 Terphenyl-d14  
 Concen: 95.642 ng  
 RT: 12.757 min Scan# 1814  
 Delta R.T. -0.000 min  
 Lab File: BF130318.D  
 Acq: 19 Sep 2022 13:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB147677BS

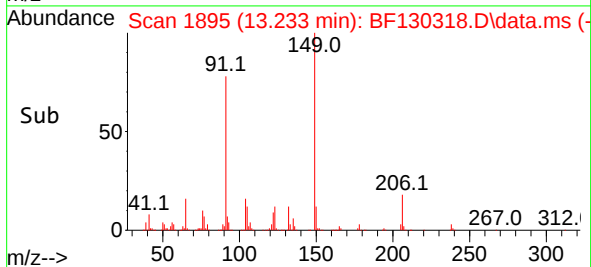
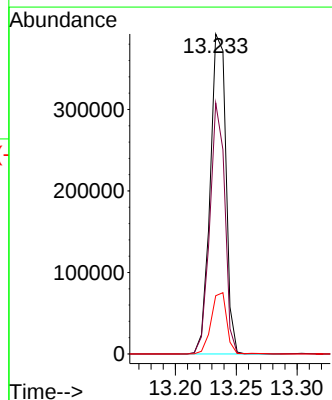
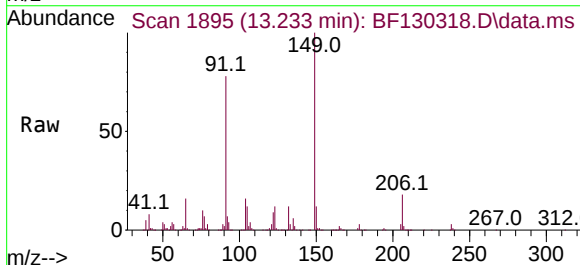


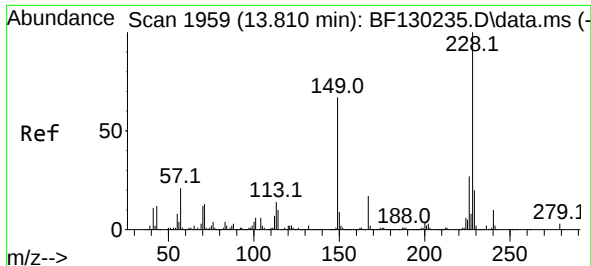
Tgt Ion:244 Resp: 1315976  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 12.1 8.5 12.7



#80  
 Butylbenzylphthalate  
 Concen: 47.906 ng  
 RT: 13.233 min Scan# 1895  
 Delta R.T. -0.000 min  
 Lab File: BF130318.D  
 Acq: 19 Sep 2022 13:27

Tgt Ion:149 Resp: 353862  
 Ion Ratio Lower Upper  
 149 100  
 91 78.5 59.8 89.8  
 206 18.2 13.9 20.9

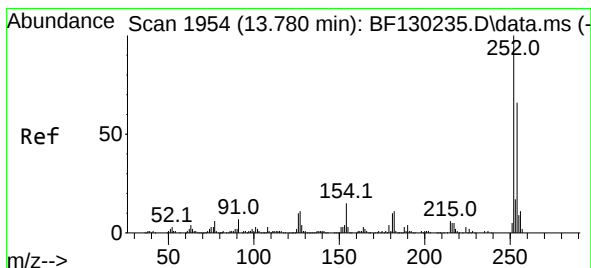
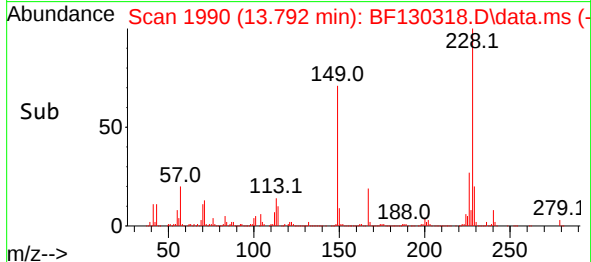
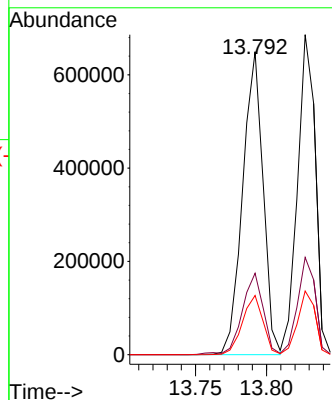
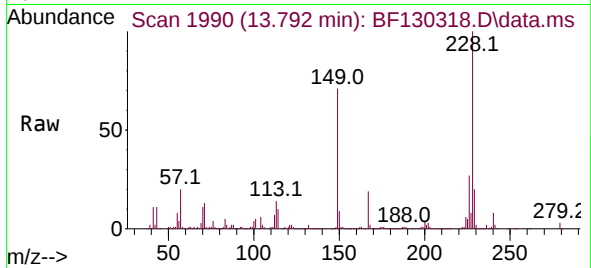




#81  
Benzo(a)anthracene  
Concen: 42.867 ng  
RT: 13.792 min Scan# 1990  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

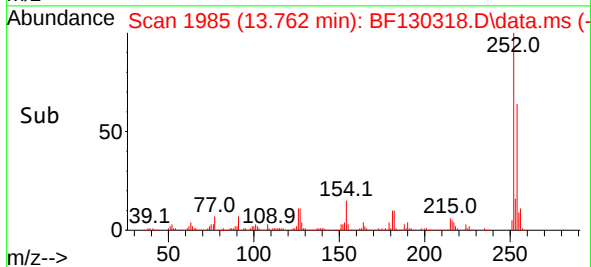
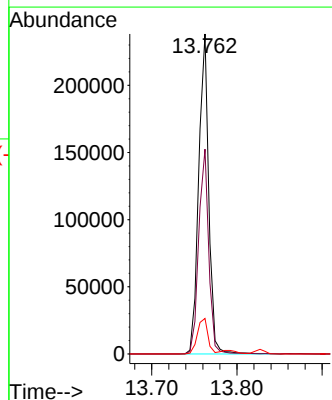
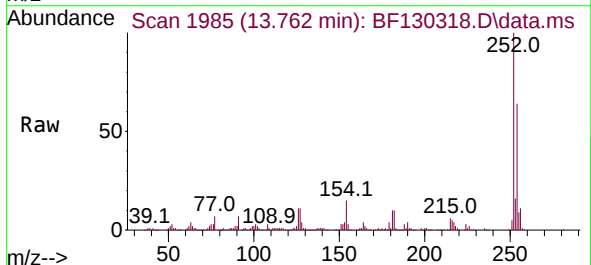
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

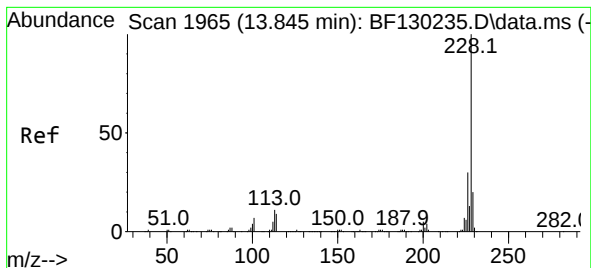
Tgt Ion:228 Resp: 649979  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.9 32.9  
229 19.6 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 47.341 ng  
RT: 13.762 min Scan# 1985  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:252 Resp: 195395  
Ion Ratio Lower Upper  
252 100  
254 64.0 51.1 76.7  
126 11.1 10.4 15.6





#83

Chrysene

Concen: 41.585 ng

RT: 13.827 min Scan# 1996

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

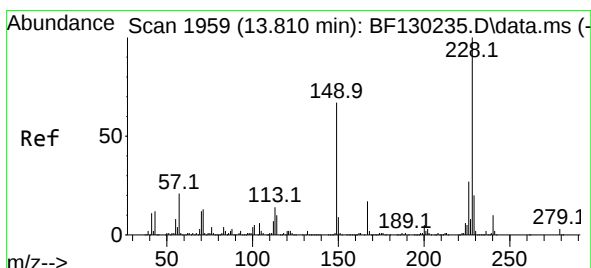
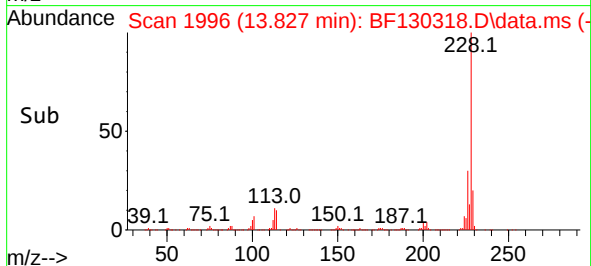
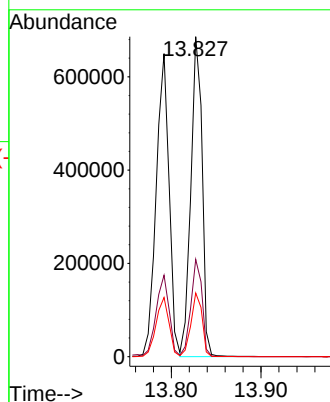
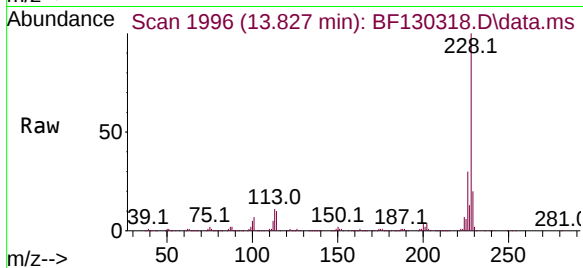
Tgt Ion:228 Resp: 598696

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 19.9 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.927 ng

RT: 13.792 min Scan# 1990

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

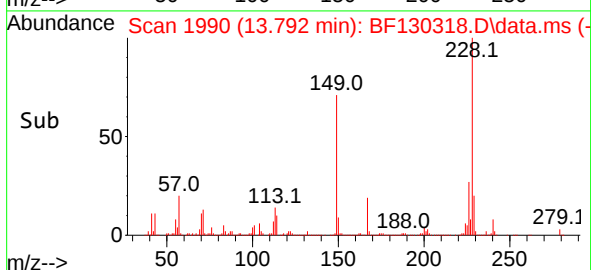
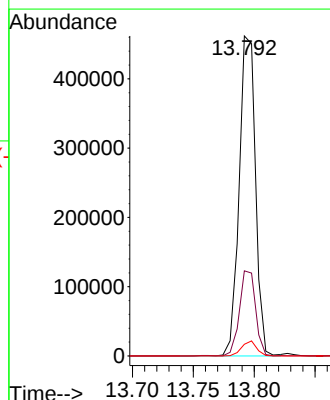
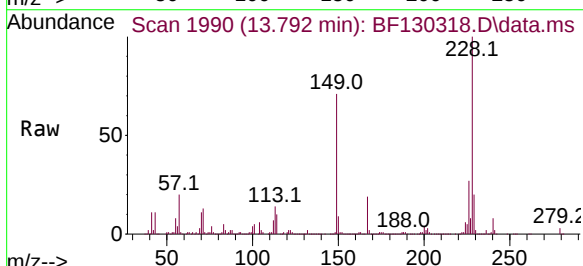
Tgt Ion:149 Resp: 430882

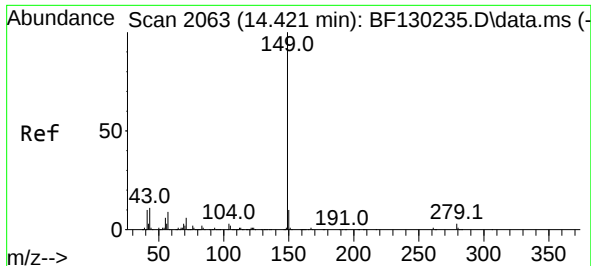
Ion Ratio Lower Upper

149 100

167 26.6 20.5 30.7

279 3.7 2.9 4.3

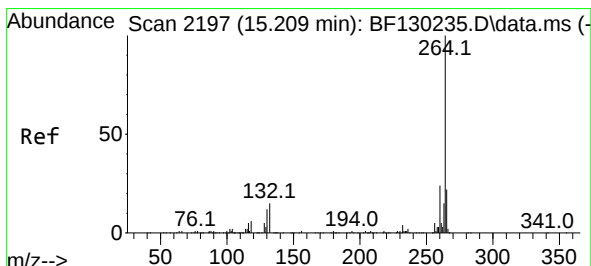
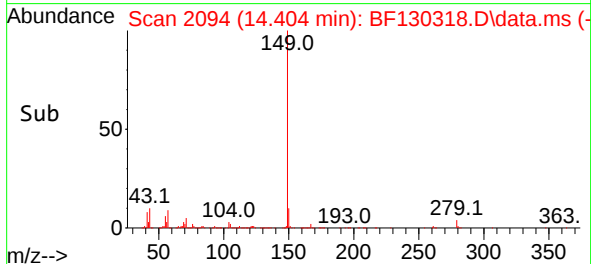
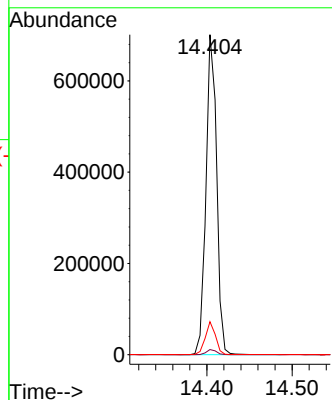
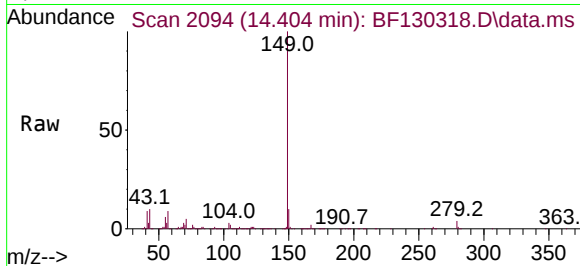




#85  
Di-n-octyl phthalate  
Concen: 47.027 ng  
RT: 14.404 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

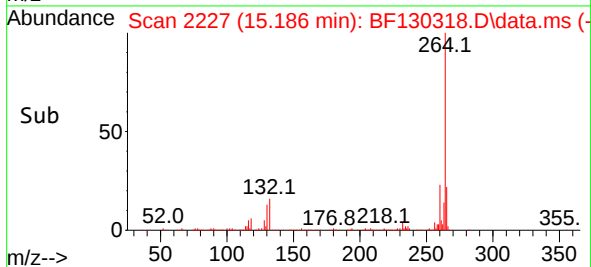
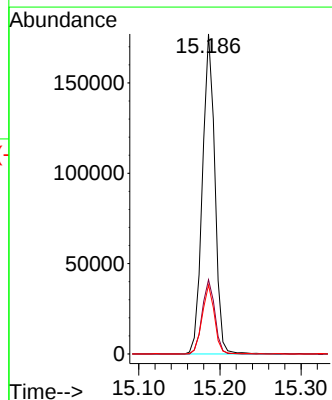
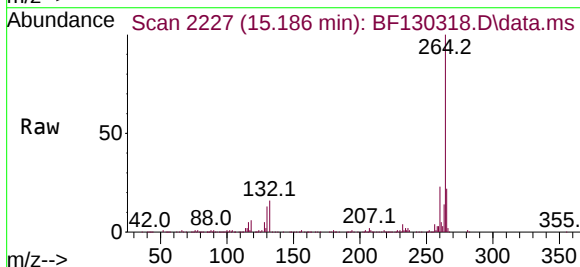
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

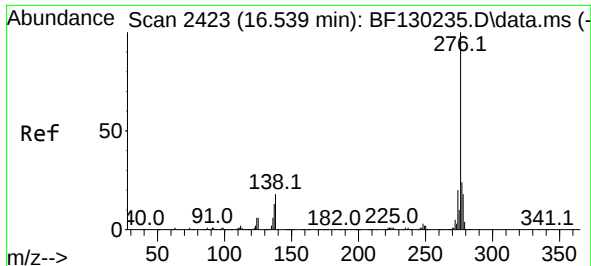
Tgt Ion:149 Resp: 608577  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 9.9 8.7 13.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.186 min Scan# 2227  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:264 Resp: 188126  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.3 28.9  
265 21.5 17.0 25.4

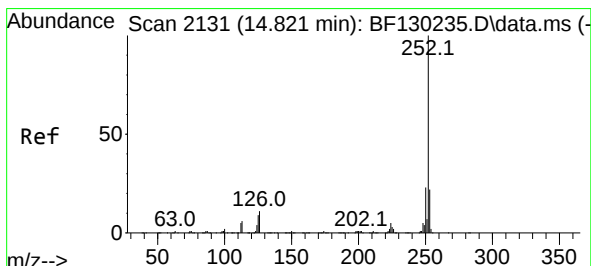
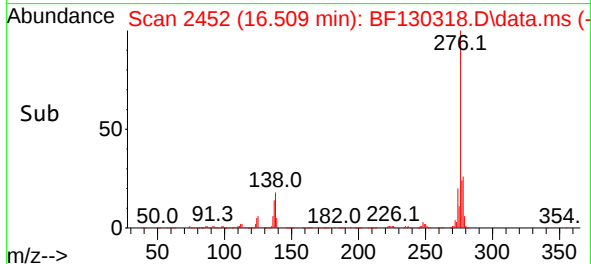
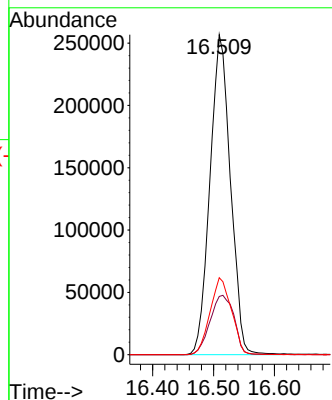
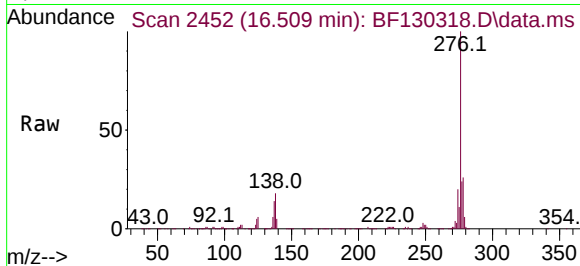




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 44.953 ng  
RT: 16.509 min Scan# 2423  
Delta R.T. -0.000 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

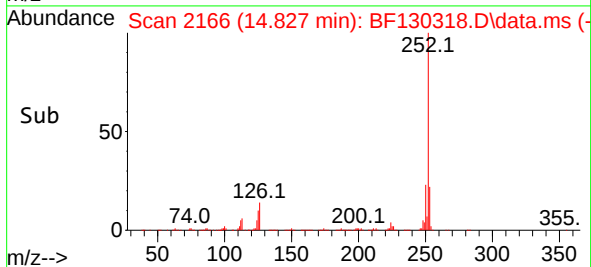
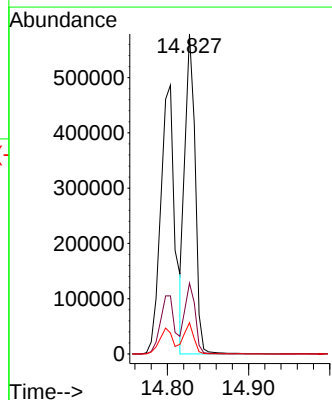
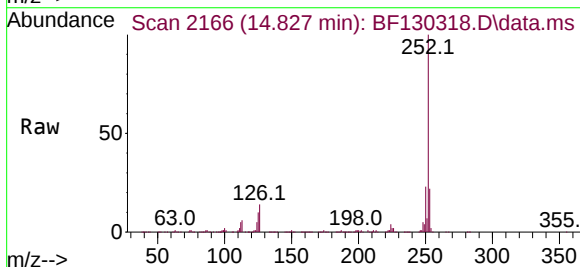
Instrument :  
BNA\_F  
ClientSampleId :  
PB147677BS

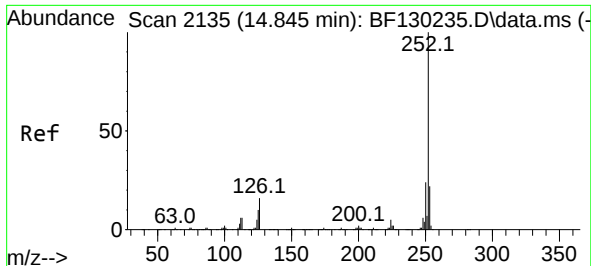
Tgt Ion:276 Resp: 599703  
Ion Ratio Lower Upper  
276 100  
138 21.7 18.5 27.7  
277 25.2 20.2 30.4



#88  
Benzo(b)fluoranthene  
Concen: 41.611 ng  
RT: 14.827 min Scan# 2166  
Delta R.T. 0.029 min  
Lab File: BF130318.D  
Acq: 19 Sep 2022 13:27

Tgt Ion:252 Resp: 510938  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.7 26.5  
125 9.8 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 42.301 ng

RT: 14.827 min Scan# 2118

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

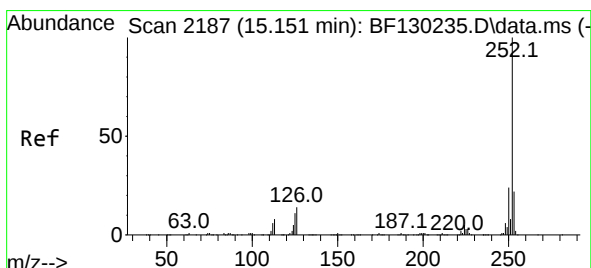
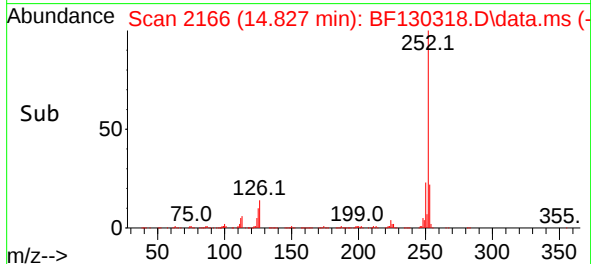
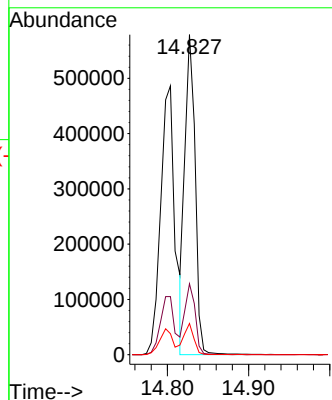
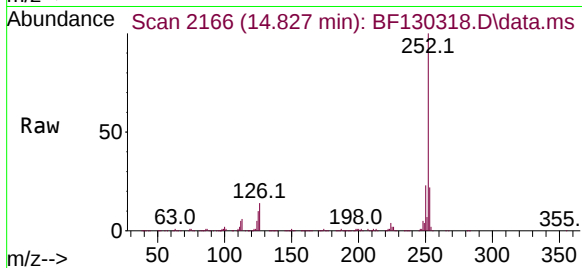
Tgt Ion:252 Resp: 510938

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.8 7.9 11.9



#90

Benzo(a)pyrene

Concen: 49.654 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.000 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

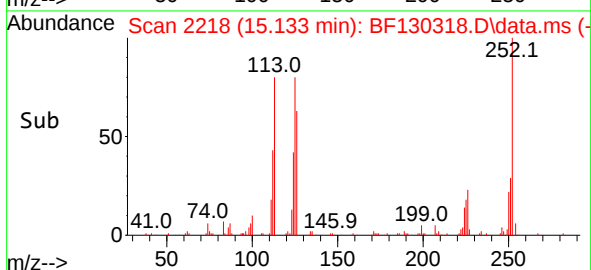
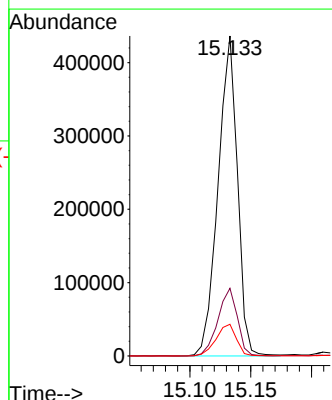
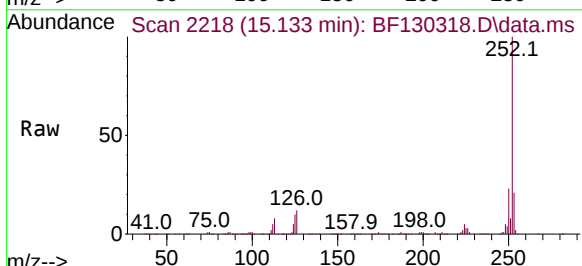
Tgt Ion:252 Resp: 483028

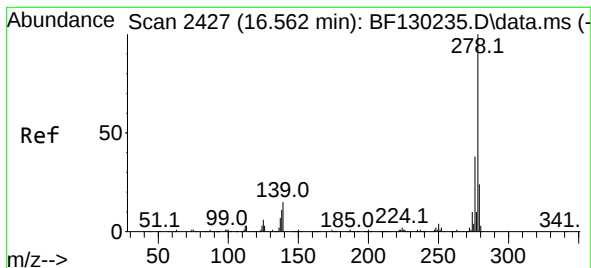
Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

125 9.9 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 47.422 ng

RT: 16.533 min Scan# 2427

Delta R.T. 0.006 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

PB147677BS

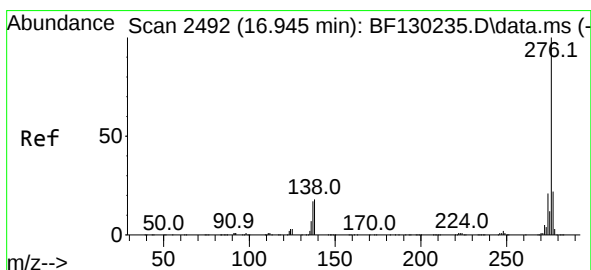
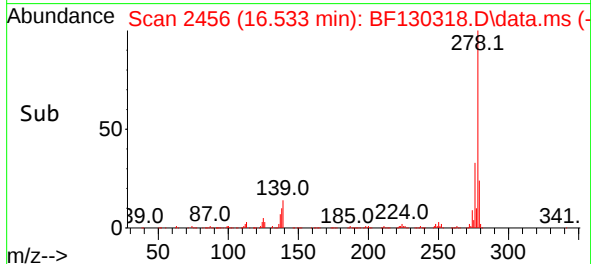
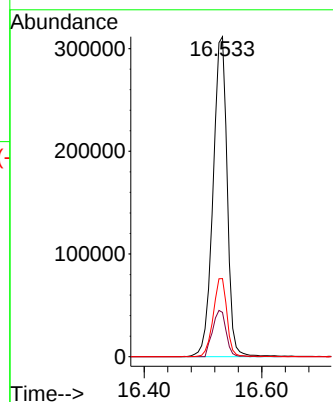
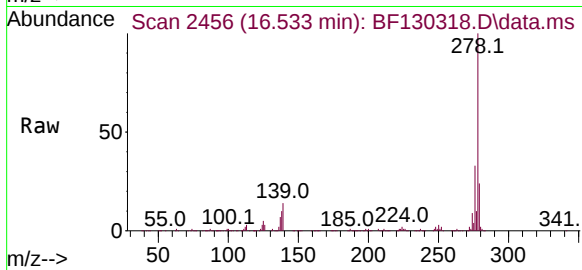
Tgt Ion:278 Resp: 518996

Ion Ratio Lower Upper

278 100

139 13.9 11.8 17.8

279 24.4 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 46.648 ng

RT: 16.915 min Scan# 2521

Delta R.T. 0.006 min

Lab File: BF130318.D

Acq: 19 Sep 2022 13:27

Tgt Ion:276 Resp: 514273

Ion Ratio Lower Upper

276 100

277 22.5 18.6 27.8

138 17.5 14.6 21.8

