

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092723\  
 Data File : BF135471.D  
 Acq On : 27 Sep 2023 14:29  
 Operator : CG\JU  
 Sample : 04441-02MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11976MS

Quant Time: Sep 28 01:45:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 26 01:36:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.757  | 152  | 160374   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.034  | 136  | 606773   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.792  | 164  | 282409   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 467374   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.945 | 240  | 242978   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.416 | 264  | 332634   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 1177178  | 119.385 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.410  | 99   | 1451438  | 115.763 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 937563   | 83.948  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 278061   | 99.079  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.116  | 172  | 1486390  | 79.408  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.880 | 244  | 1111440  | 70.910  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.534  | 88   | 145231   | 33.598  | ng    | 92       |
| 3) Pyridine                   | 3.293  | 79   | 430367   | 36.993  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.246  | 42   | 287040   | 46.495  | ng    | 90       |
| 6) Aniline                    | 6.422  | 93   | 534505   | 32.509  | ng    | # 21     |
| 8) 2-Chlorophenol             | 6.546  | 128  | 515665   | 48.990  | ng    | 98       |
| 9) Benzaldehyde               | 6.310  | 77   | 155009   | 21.702  | ng    | 99       |
| 10) Phenol                    | 6.422  | 94   | 595941   | 43.346  | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 6.498  | 93   | 512890   | 49.733  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.698  | 146  | 485291   | 45.365  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.775  | 146  | 493250   | 45.320  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.922  | 146  | 469417   | 46.444  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.904  | 79   | 417398   | 46.392  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.034  | 45   | 925761   | 47.624  | ng    | 86       |
| 17) 2-Methylphenol            | 7.022  | 107  | 412971   | 44.459  | ng    | 95       |
| 18) Hexachloroethane          | 7.263  | 117  | 188860   | 46.964  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.175  | 70   | 326877   | 42.090  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.175  | 107  | 468195   | 41.917  | ng    | 90       |
| 22) Acetophenone              | 7.169  | 105  | 642067   | 46.284  | ng    | 96       |
| 24) Nitrobenzene              | 7.345  | 77   | 539388   | 48.863  | ng    | 97       |
| 25) Isophorone                | 7.581  | 82   | 992045   | 48.373  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.657  | 139  | 271515   | 51.248  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.698  | 122  | 393804   | 44.221  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.793  | 93   | 625413   | 50.951  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 398345   | 48.273  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.981  | 180  | 414599   | 48.069  | ng    | 99       |
| 31) Naphthalene               | 8.057  | 128  | 1392247  | 47.225  | ng    | 99       |
| 32) Benzoic acid              | 7.845  | 122  | 299391   | 44.646  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 445638   | 34.453  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.169  | 225  | 232258   | 44.659  | ng    | 99       |
| 35) Caprolactam               | 8.492  | 113  | 92158    | 33.277  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.610  | 107  | 424419   | 46.277  | ng    | 93       |
| 37) 2-Methylnaphthalene       | 8.751  | 142  | 867766   | 43.788  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.851  | 142  | 823323   | 44.375  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.916  | 216  | 398767   | 48.739  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.898  | 237  | 205613   | 59.154  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.034  | 196  | 262615   | 49.024  | ng    | 99       |

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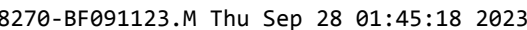
Instrument :  
 BNA\_F  
 ClientSampleId :  
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 26 01:36:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.087  | 196  | 279400   | 45.291 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.216  | 154  | 1064299  | 49.040 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.239  | 162  | 800928   | 50.864 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.345  | 65   | 302461   | 49.442 | ng    | 97       |
| 49) Acenaphthylene            | 9.657  | 152  | 1267326  | 48.427 | ng    | 100      |
| 50) Dimethylphthalate         | 9.522  | 163  | 911176   | 47.721 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.592  | 165  | 196778   | 47.045 | ng    | 89       |
| 52) Acenaphthene              | 9.828  | 154  | 737301   | 47.692 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.763  | 138  | 190443   | 38.787 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.881  | 184  | 172023   | 73.034 | ng    | 91       |
| 55) Dibenzofuran              | 10.004 | 168  | 1038993  | 44.042 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.945  | 139  | 239958   | 76.897 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 219068   | 41.835 | ng    | # 84     |
| 58) Fluorene                  | 10.345 | 166  | 810225   | 44.675 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.128 | 232  | 211397   | 44.547 | ng    | 98       |
| 60) Diethylphthalate          | 10.228 | 149  | 878165   | 45.828 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.339 | 204  | 378161   | 43.407 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.381 | 138  | 190042   | 40.266 | ng    | 97       |
| 63) Azobenzene                | 10.498 | 77   | 908621   | 48.449 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.416 | 198  | 118277   | 47.647 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.463 | 169  | 742589   | 52.481 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.828 | 248  | 238880   | 51.390 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.898 | 284  | 243021   | 51.318 | ng    | 97       |
| 69) Atrazine                  | 10.992 | 200  | 208889   | 54.866 | ng    | 99       |
| 70) Pentachlorophenol         | 11.098 | 266  | 209460   | 73.927 | ng    | 99       |
| 71) Phenanthrene              | 11.316 | 178  | 1126334  | 50.954 | ng    | 99       |
| 72) Anthracene                | 11.363 | 178  | 1117676  | 49.191 | ng    | 100      |
| 73) Carbazole                 | 11.528 | 167  | 988415   | 47.787 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 1231571  | 50.531 | ng    | 100      |
| 75) Fluoranthene              | 12.510 | 202  | 1079889  | 46.884 | ng    | 99       |
| 77) Benzidine                 | 12.633 | 184  | 341379   | 68.580 | ng    | 99       |
| 78) Pyrene                    | 12.739 | 202  | 1044355  | 45.145 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.363 | 149  | 406505   | 49.909 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 802538   | 51.151 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.898 | 252  | 276250   | 56.369 | ng    | # 98     |
| 83) Chrysene                  | 13.974 | 228  | 796204   | 51.041 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.922 | 149  | 513812   | 61.475 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.545 | 149  | 1001680  | 75.413 | ng    | # 97     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.904 | 276  | 972523   | 44.591 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 14.992 | 252  | 934424   | 51.893 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 795862   | 44.743 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 15.357 | 252  | 821177   | 47.821 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.915 | 278  | 786645   | 44.082 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.351 | 276  | 758933   | 40.722 | ng    | 95       |

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

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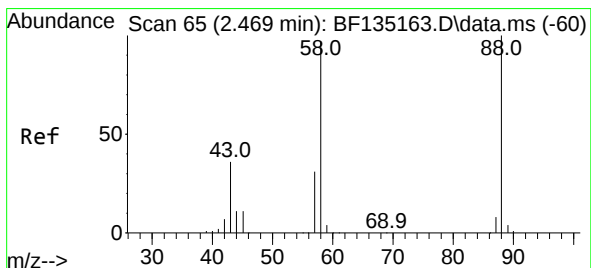
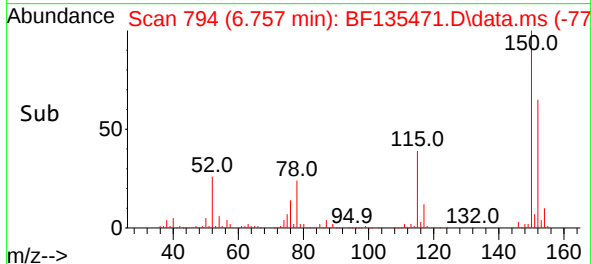
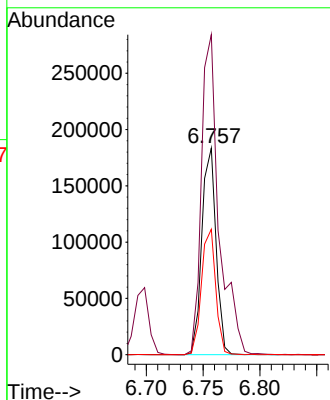
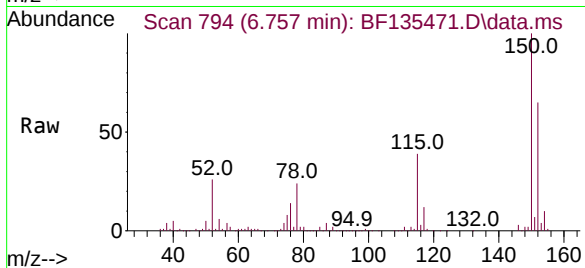




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.757 min Scan# 79  
 Delta R.T. 0.006 min  
 Lab File: BF135471.D  
 Acq: 27 Sep 2023 14:29

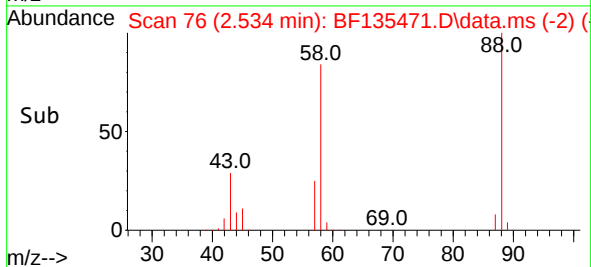
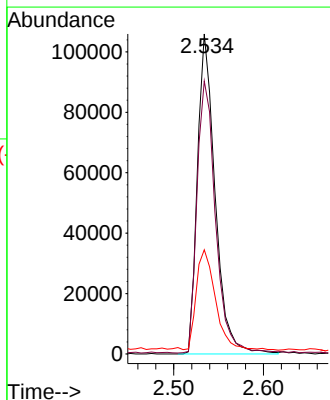
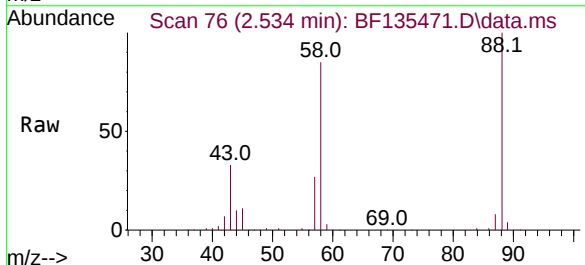
Instrument :  
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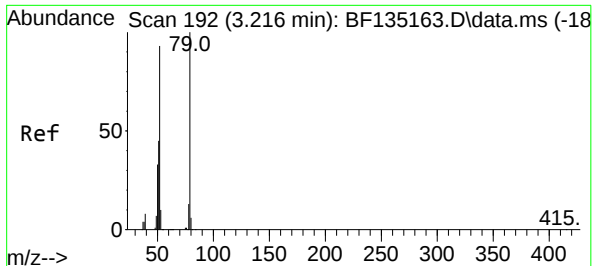
Tgt Ion:152 Resp: 160374  
 Ion Ratio Lower Upper  
 152 100  
 150 154.9 127.8 191.6  
 115 60.7 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 33.598 ng  
 RT: 2.534 min Scan# 76  
 Delta R.T. 0.082 min  
 Lab File: BF135471.D  
 Acq: 27 Sep 2023 14:29

Tgt Ion: 88 Resp: 145231  
 Ion Ratio Lower Upper  
 88 100  
 58 88.9 78.3 117.5  
 43 34.1 29.4 44.0





#3

Pyridine

Concen: 36.993 ng

RT: 3.293 min Scan# 205

Delta R.T. 0.094 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

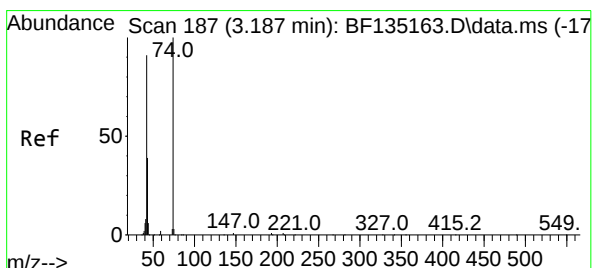
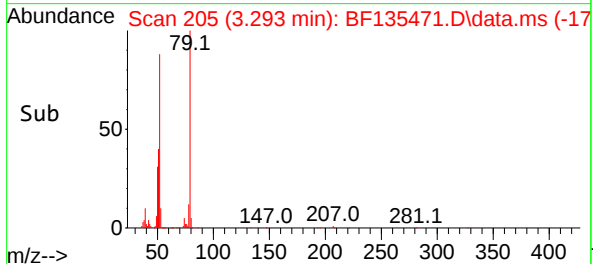
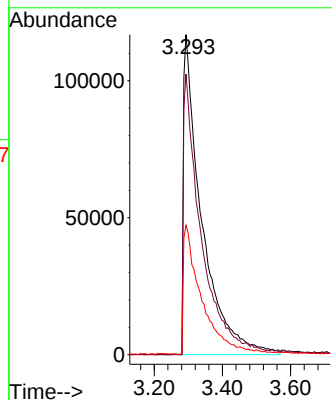
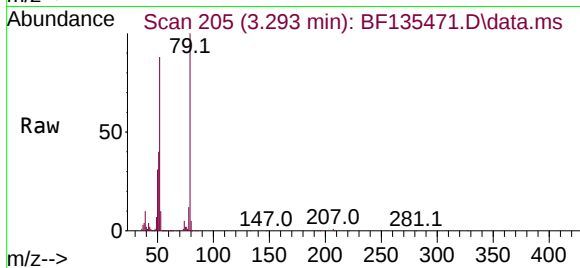
Tgt Ion: 79 Resp: 430367

Ion Ratio Lower Upper

79 100

52 87.7 74.1 111.1

51 40.4 35.8 53.8



#4

n-Nitrosodimethylamine

Concen: 46.495 ng

RT: 3.246 min Scan# 197

Delta R.T. 0.077 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

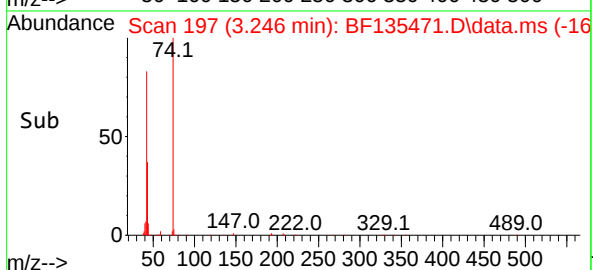
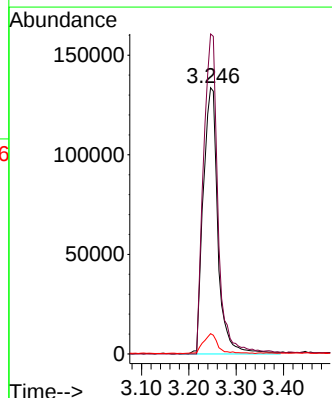
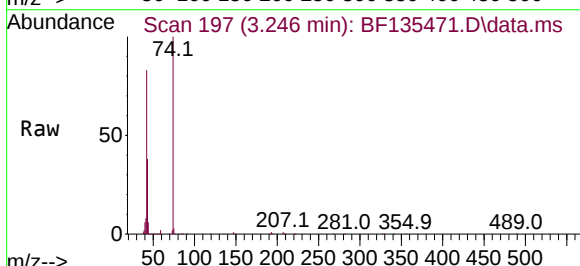
Tgt Ion: 42 Resp: 287040

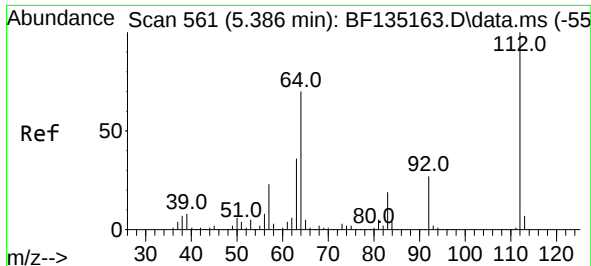
Ion Ratio Lower Upper

42 100

74 120.2 87.7 131.5

44 7.6 5.6 8.4

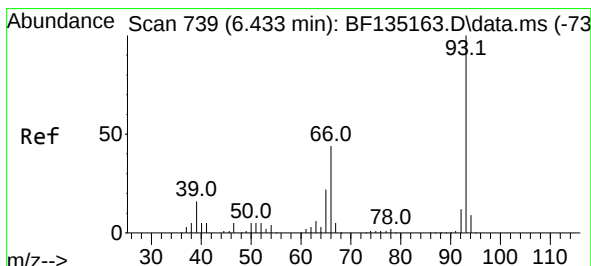
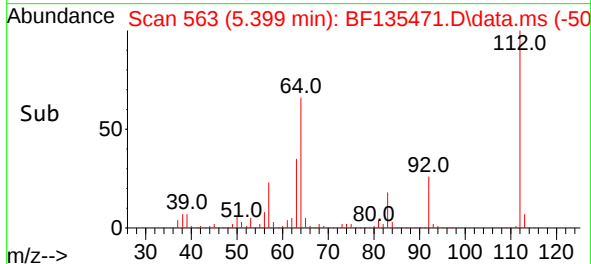
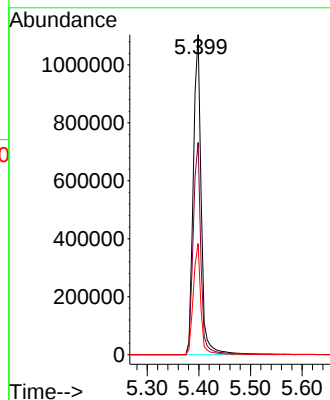
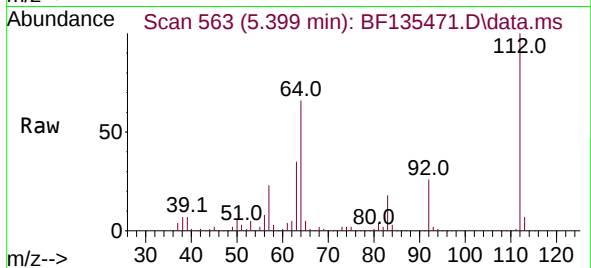




#5  
2-Fluorophenol  
Concen: 119.385 ng  
RT: 5.399 min Scan# 501  
Delta R.T. 0.018 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

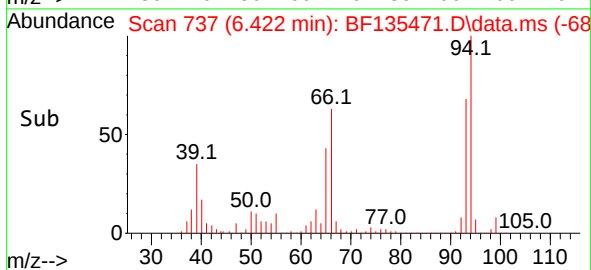
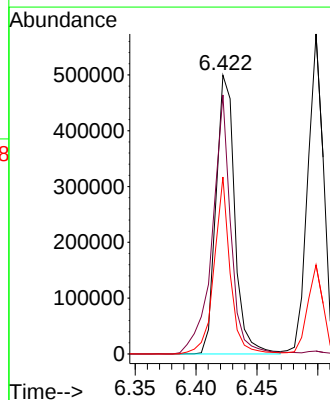
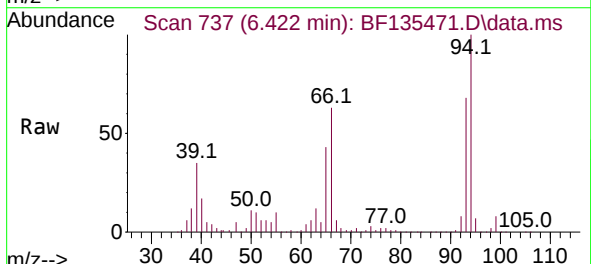
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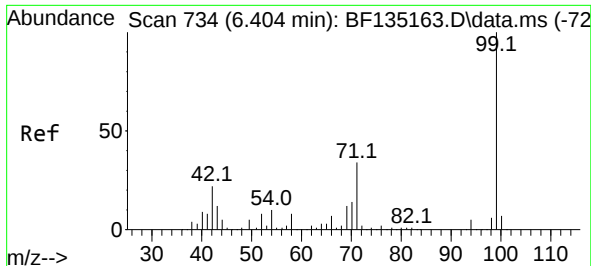
Tgt Ion:112 Resp: 1177178  
Ion Ratio Lower Upper  
112 100  
64 66.3 55.9 83.9  
63 34.7 29.0 43.6



#6  
Aniline  
Concen: 32.509 ng  
RT: 6.422 min Scan# 737  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion: 93 Resp: 534505  
Ion Ratio Lower Upper  
93 100  
66 93.0 35.4 53.0#  
65 63.5 17.8 26.8#





#7

Phenol-d6

Concen: 115.763 ng

RT: 6.410 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

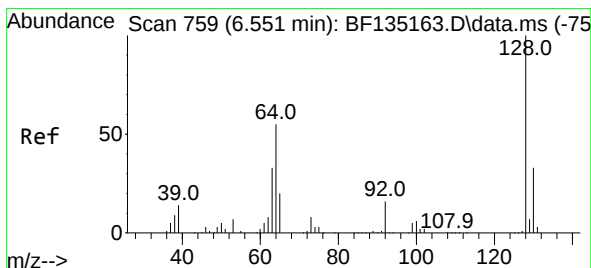
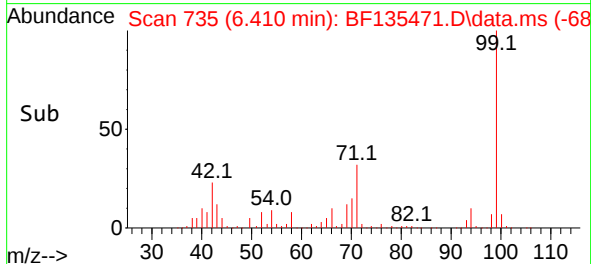
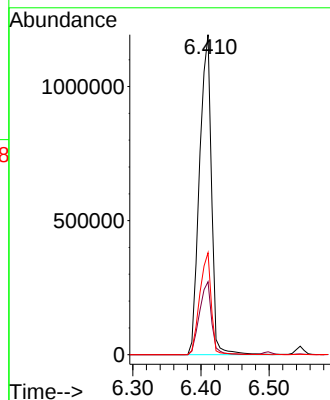
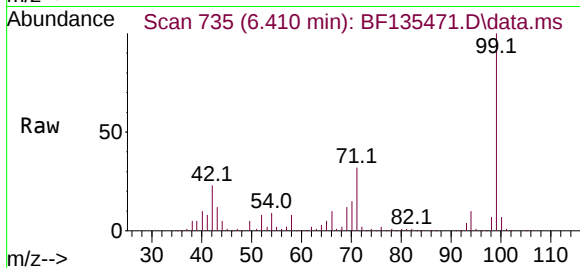
Tgt Ion: 99 Resp: 1451438

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

71 31.8 27.0 40.6



#8

2-Chlorophenol

Concen: 48.990 ng

RT: 6.546 min Scan# 758

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

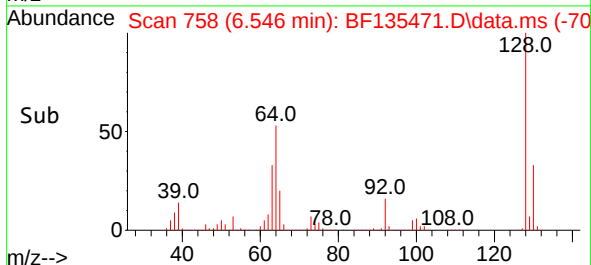
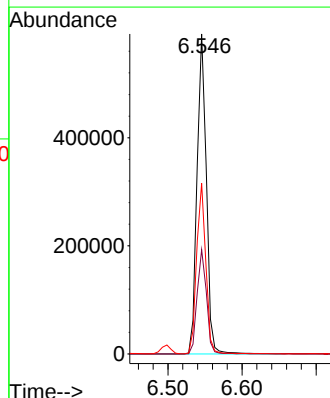
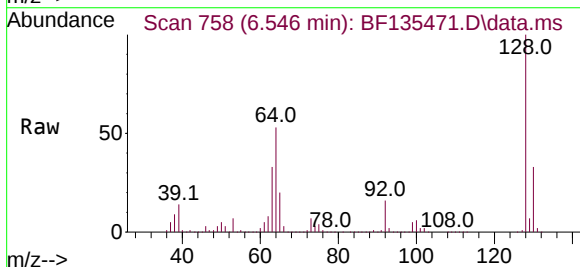
Tgt Ion:128 Resp: 515665

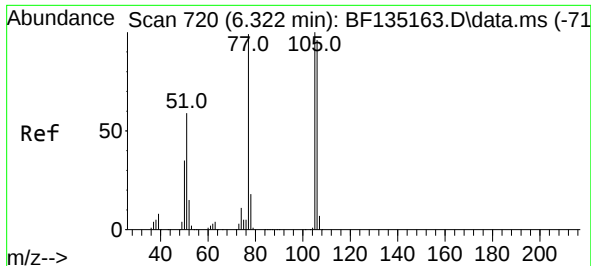
Ion Ratio Lower Upper

128 100

130 32.6 12.7 52.7

64 53.4 35.9 75.9

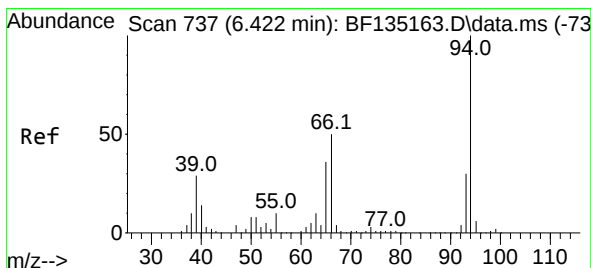
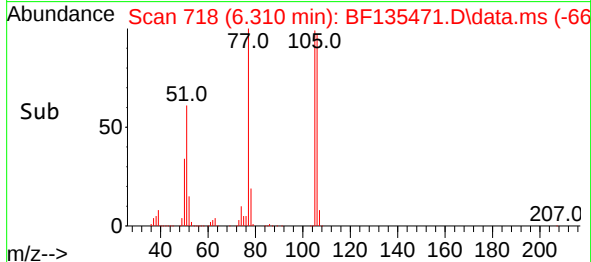
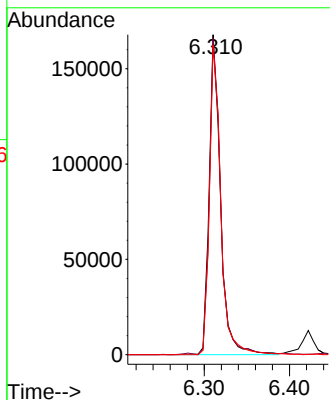
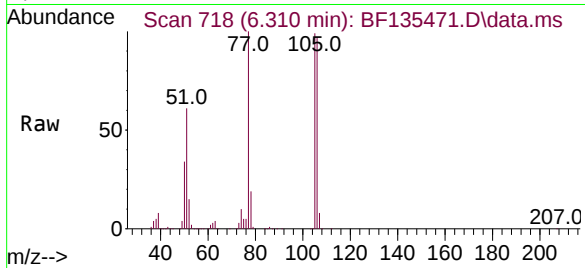




#9  
Benzaldehyde  
Concen: 21.702 ng  
RT: 6.310 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

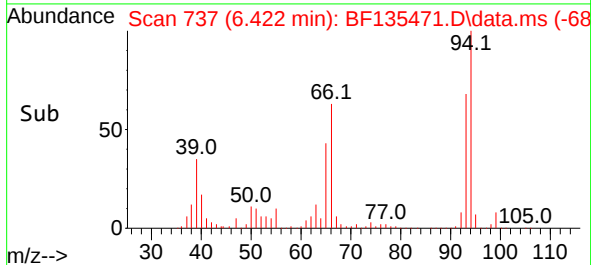
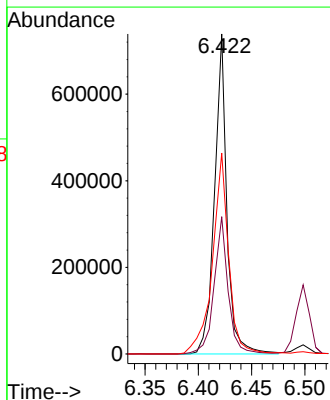
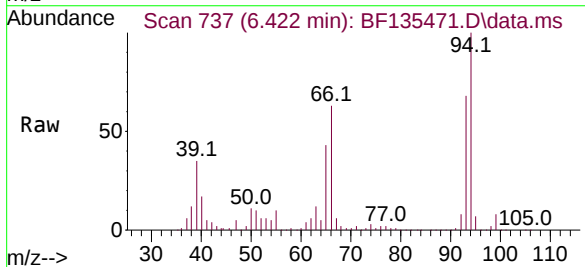
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion: 77 Resp: 155009  
Ion Ratio Lower Upper  
77 100  
105 98.9 81.4 121.4  
106 96.7 76.9 116.9



#10  
Phenol  
Concen: 43.346 ng  
RT: 6.422 min Scan# 737  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion: 94 Resp: 595941  
Ion Ratio Lower Upper  
94 100  
65 42.9 15.9 55.9  
66 62.8 29.8 69.8

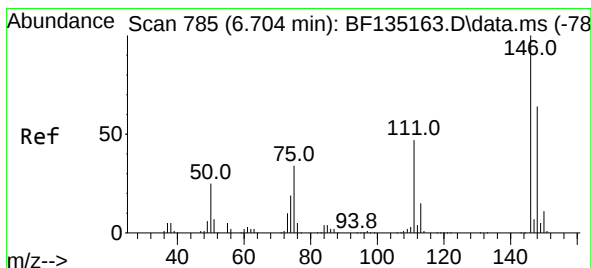
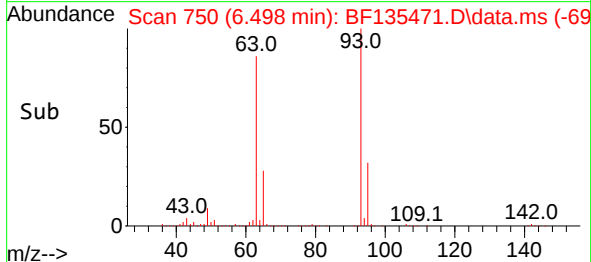
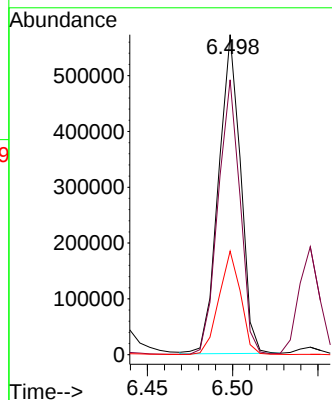
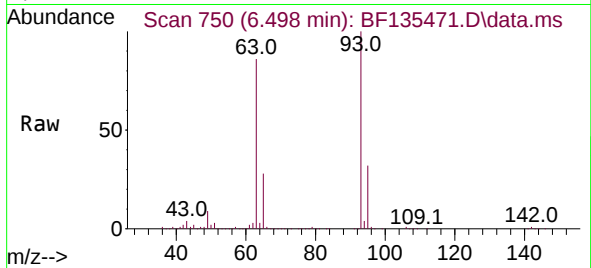




#11  
bis(2-Chloroethyl)ether  
Concen: 49.733 ng  
RT: 6.498 min Scan# 750  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

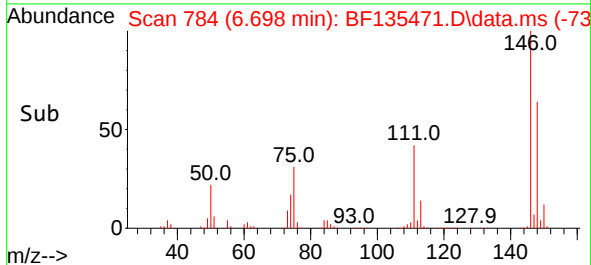
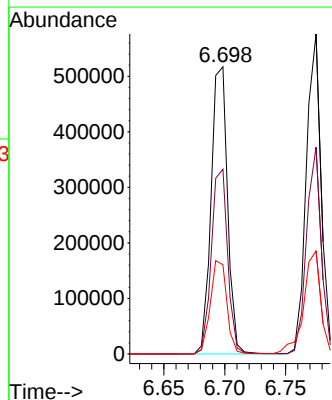
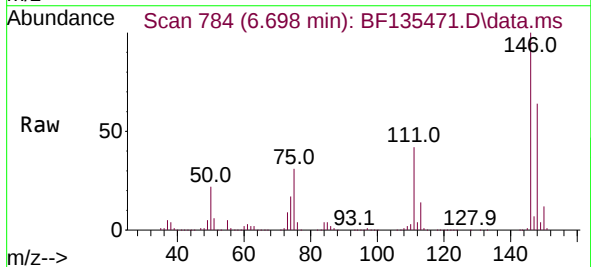
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

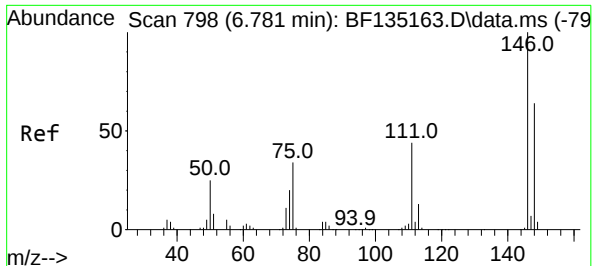
Tgt Ion: 93 Resp: 512890  
Ion Ratio Lower Upper  
93 100  
63 85.9 67.3 107.3  
95 32.4 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 45.365 ng  
RT: 6.698 min Scan# 784  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:146 Resp: 485291  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.3 76.9  
75 31.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 45.320 ng

RT: 6.775 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

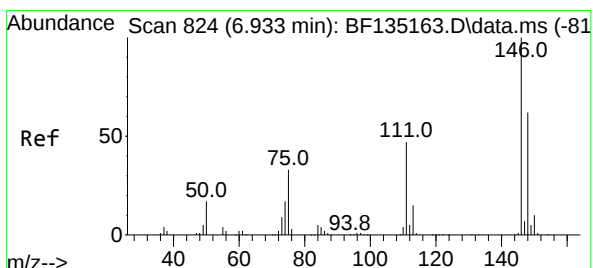
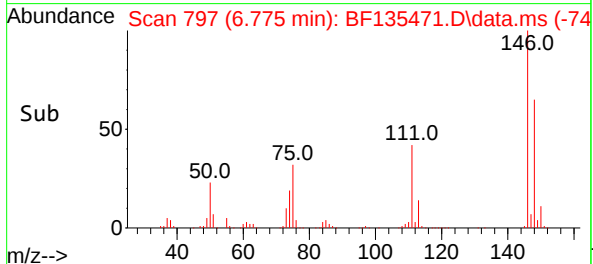
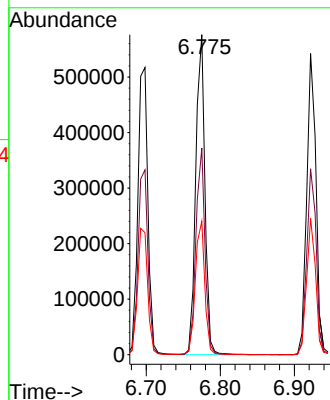
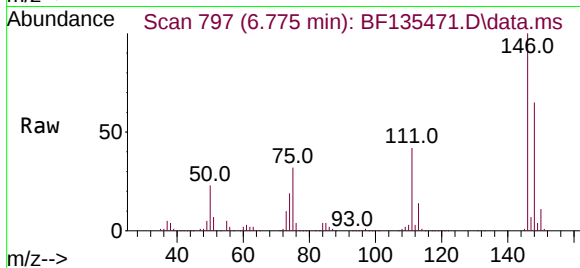
Tgt Ion:146 Resp: 493250

Ion Ratio Lower Upper

146 100

148 64.6 51.3 76.9

111 41.7 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 46.444 ng

RT: 6.922 min Scan# 822

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

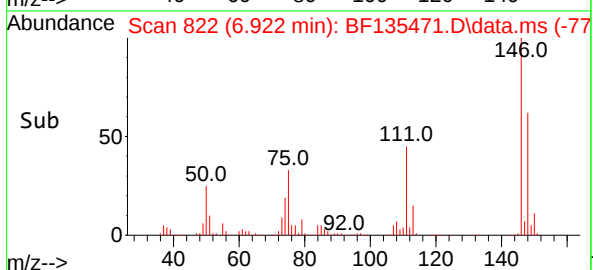
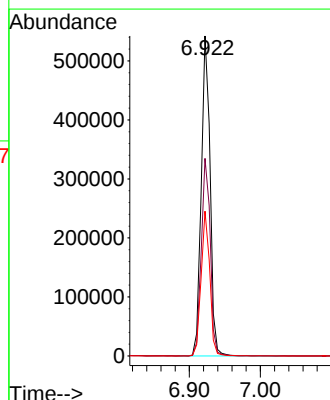
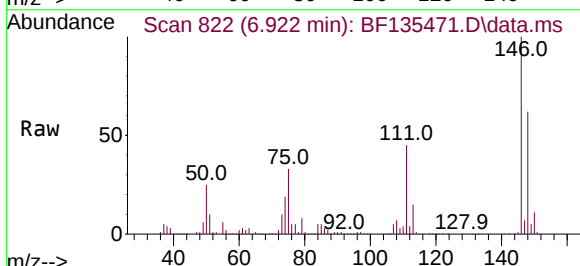
Tgt Ion:146 Resp: 469417

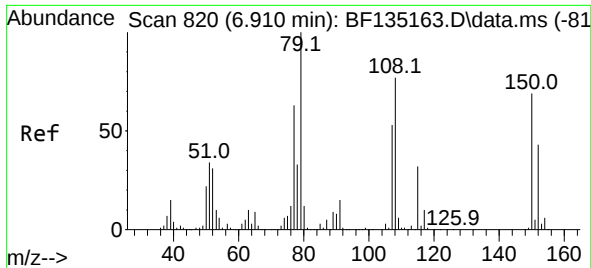
Ion Ratio Lower Upper

146 100

148 61.8 49.7 74.5

111 45.3 37.4 56.2

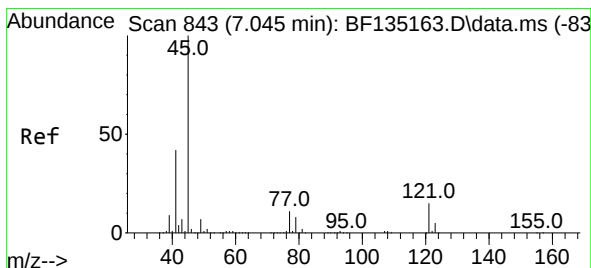
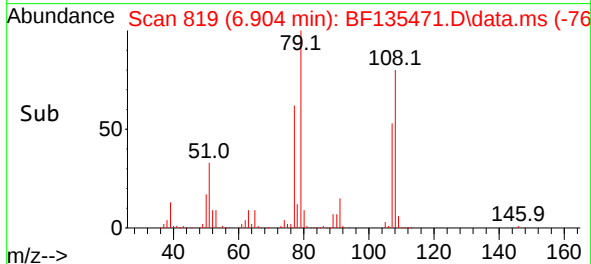
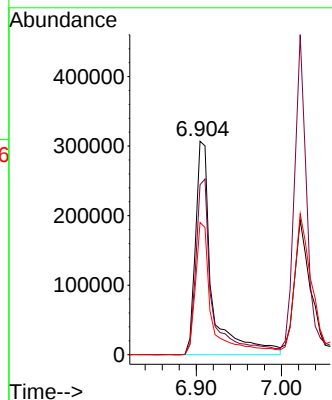
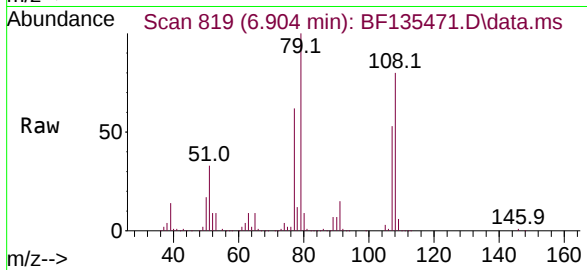




#15  
Benzyl Alcohol  
Concen: 46.392 ng  
RT: 6.904 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

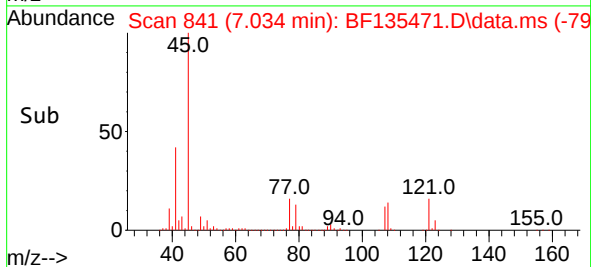
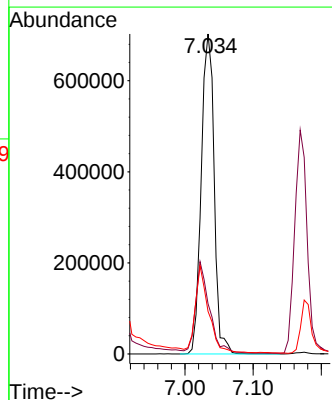
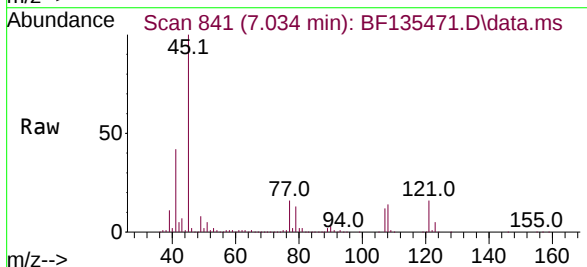
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

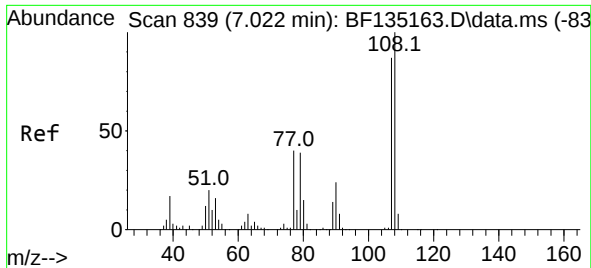
Tgt Ion: 79 Resp: 417398  
Ion Ratio Lower Upper  
79 100  
108 79.6 61.2 91.8  
77 61.9 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.624 ng  
RT: 7.034 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion: 45 Resp: 925761  
Ion Ratio Lower Upper  
45 100  
77 15.7 0.0 30.6  
79 13.3 0.0 28.3

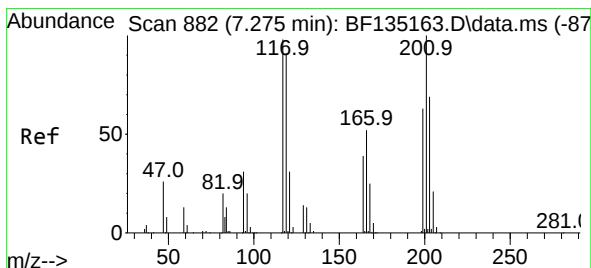
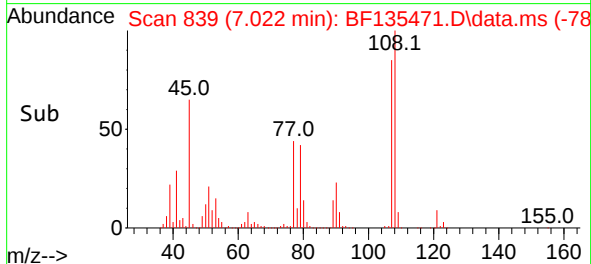
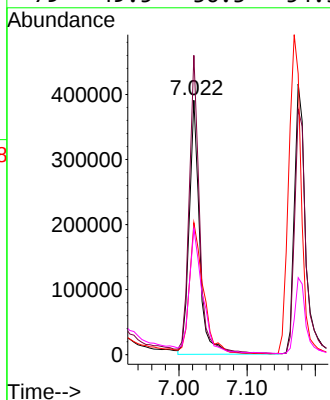
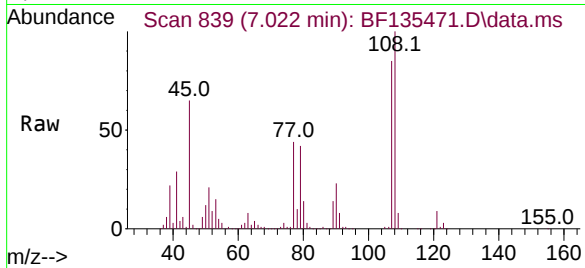




#17  
2-Methylphenol  
Concen: 44.459 ng  
RT: 7.022 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

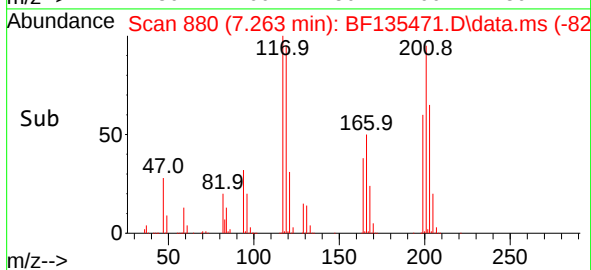
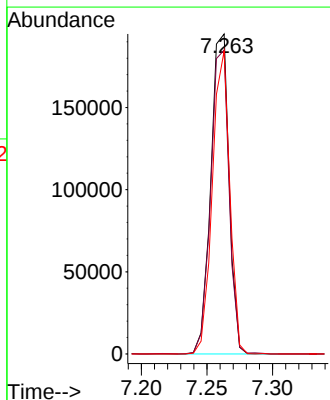
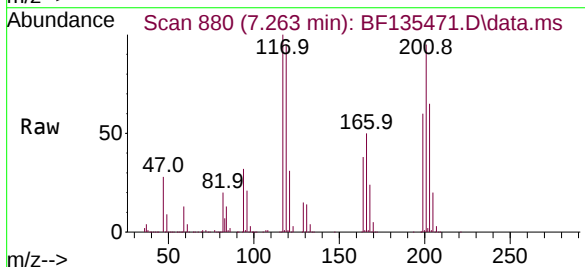
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion:107 Resp: 412971  
Ion Ratio Lower Upper  
107 100  
108 117.7 92.0 138.0  
77 51.8 36.7 55.1  
79 49.5 36.3 54.5



#18  
Hexachloroethane  
Concen: 46.964 ng  
RT: 7.263 min Scan# 880  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:117 Resp: 188860  
Ion Ratio Lower Upper  
117 100  
119 95.0 74.7 112.1  
201 94.7 81.8 122.8

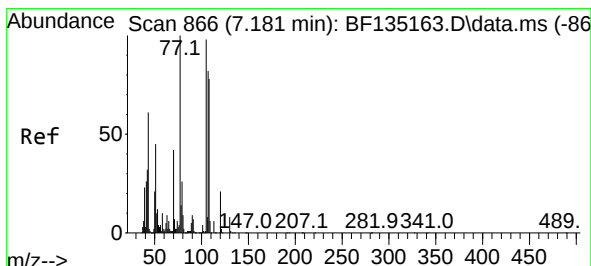
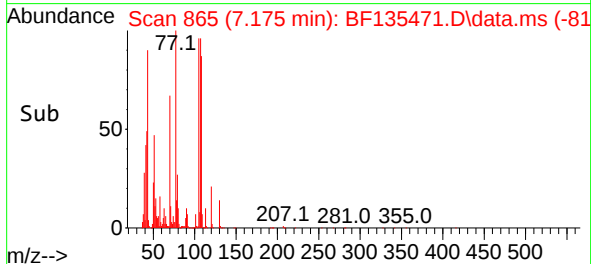
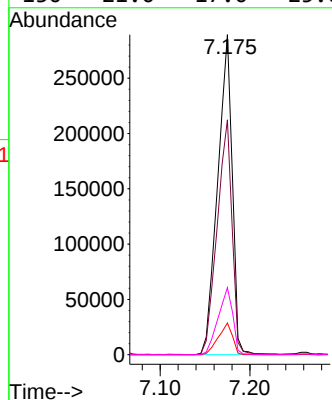
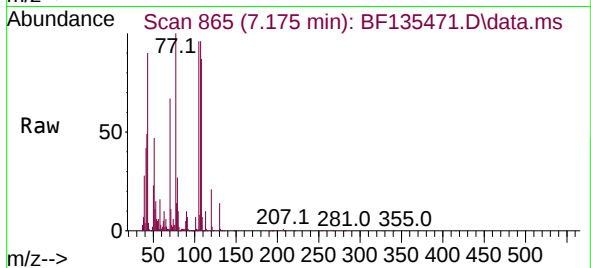




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.090 ng  
RT: 7.175 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

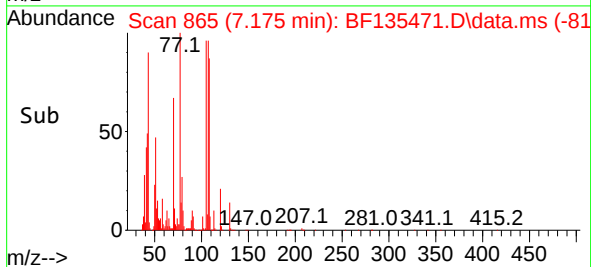
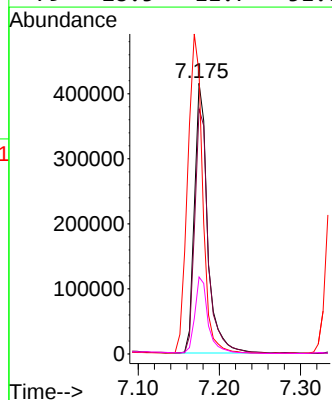
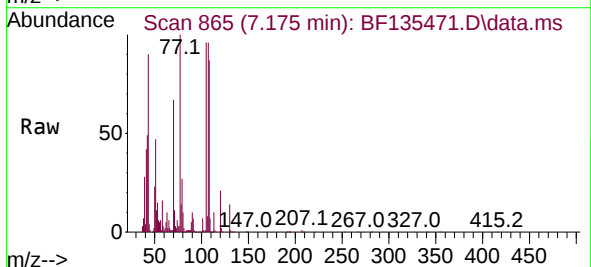
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

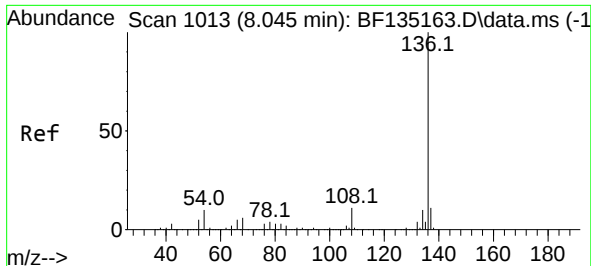
Tgt Ion: 70 Resp: 326877  
Ion Ratio Lower Upper  
70 100  
42 73.4 55.4 83.0  
101 9.9 7.7 11.5  
130 21.0 17.0 25.6



#20  
3+4-Methylphenols  
Concen: 41.917 ng  
RT: 7.175 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion: 107 Resp: 468195  
Ion Ratio Lower Upper  
107 100  
108 90.5 74.7 114.7  
77 103.7 102.0 142.0  
79 28.5 11.7 51.7

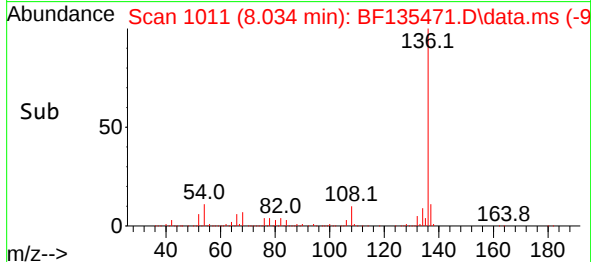
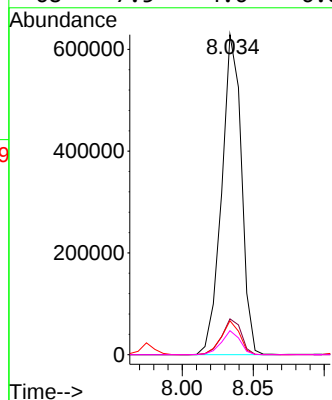
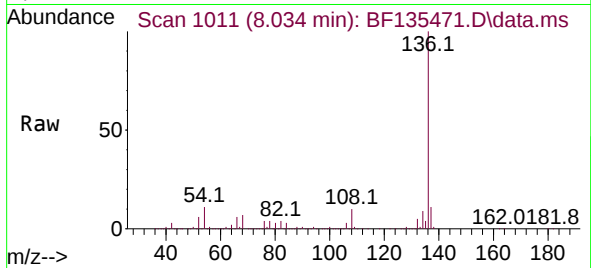




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.034 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

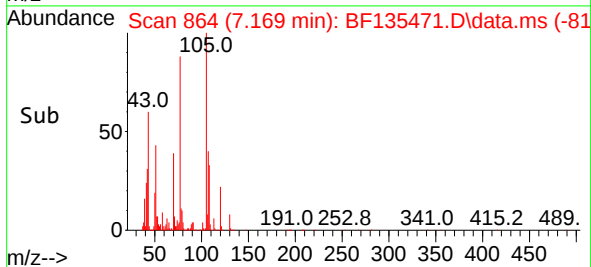
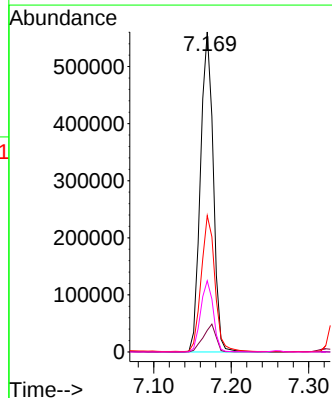
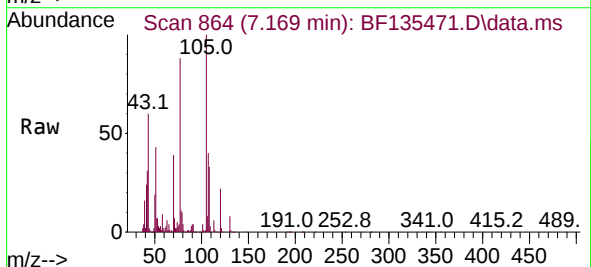
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion:136 Resp: 606773  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 10.6 7.7 11.5  
68 7.5 4.6 6.8#



#22  
Acetophenone  
Concen: 46.284 ng  
RT: 7.169 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:105 Resp: 642067  
Ion Ratio Lower Upper  
105 100  
71 6.8 5.8 8.6  
51 42.6 37.0 55.4  
120 22.2 17.0 25.6





#23

Nitrobenzene-d5

Concen: 83.948 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

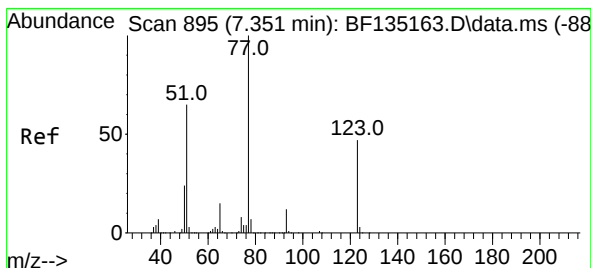
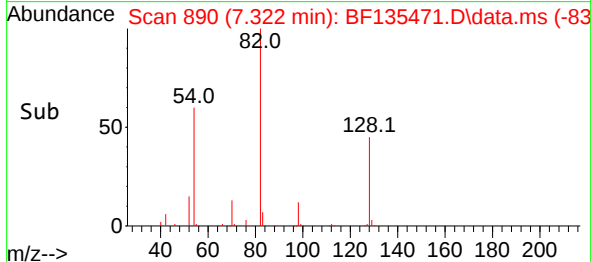
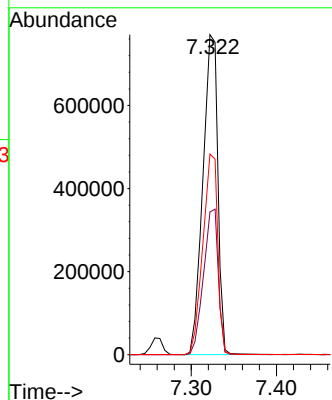
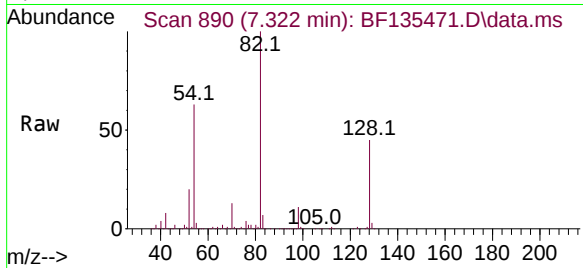
Tgt Ion: 82 Resp: 937563

Ion Ratio Lower Upper

82 100

128 44.6 35.8 53.6

54 62.7 50.6 76.0



#24

Nitrobenzene

Concen: 48.863 ng

RT: 7.345 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

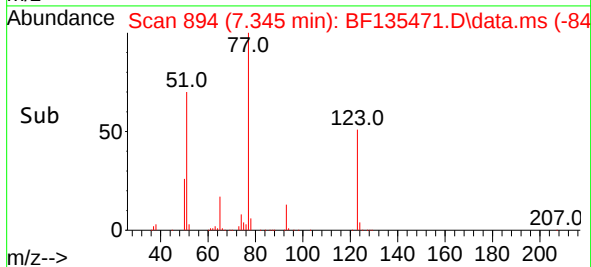
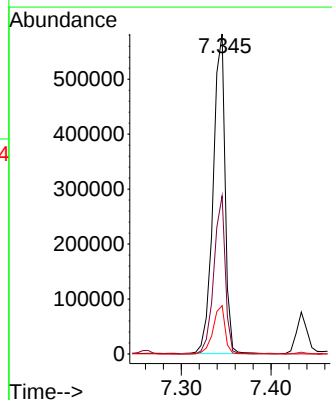
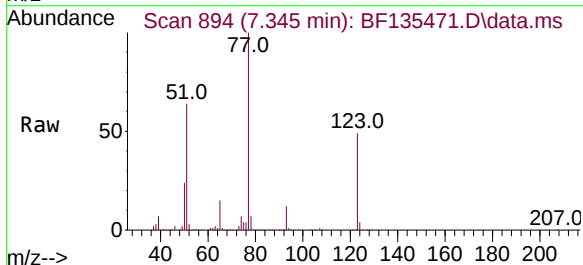
Tgt Ion: 77 Resp: 539388

Ion Ratio Lower Upper

77 100

123 49.4 37.6 56.4

65 15.1 12.2 18.4

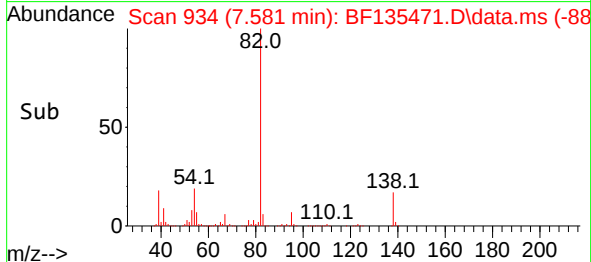
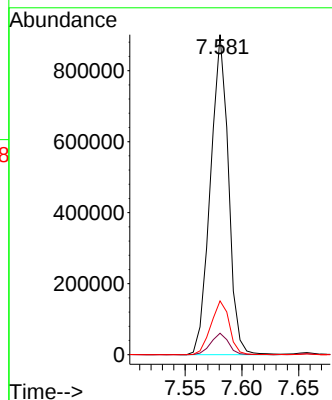
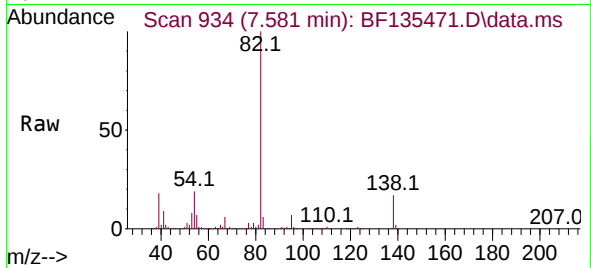




#25  
Isophorone  
Concen: 48.373 ng  
RT: 7.581 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

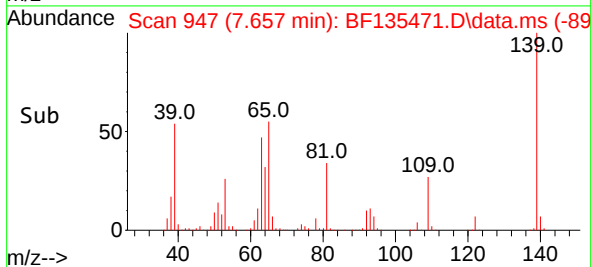
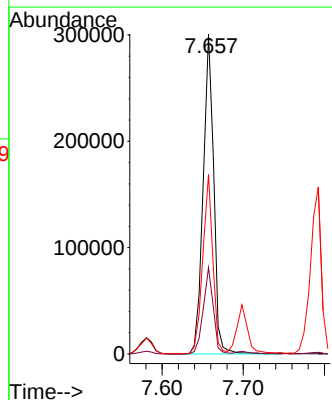
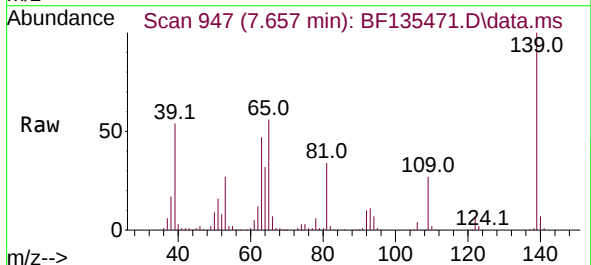
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion: 82 Resp: 992045  
Ion Ratio Lower Upper  
82 100  
95 6.7 6.0 9.0  
138 16.8 14.5 21.7



#26  
2-Nitrophenol  
Concen: 51.248 ng  
RT: 7.657 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:139 Resp: 271515  
Ion Ratio Lower Upper  
139 100  
109 27.0 22.6 33.8  
65 56.1 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 44.221 ng

RT: 7.698 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135471.D

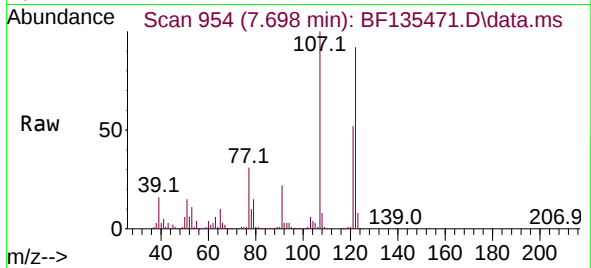
Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS



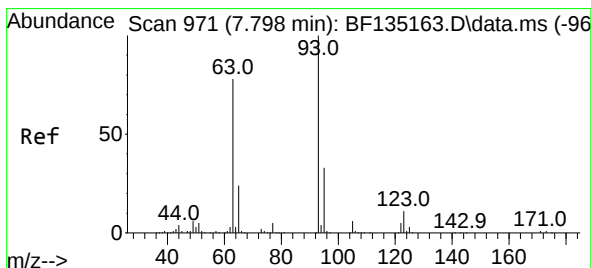
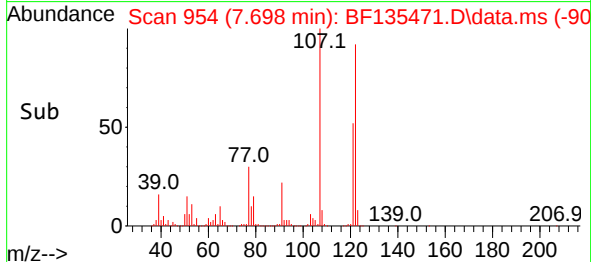
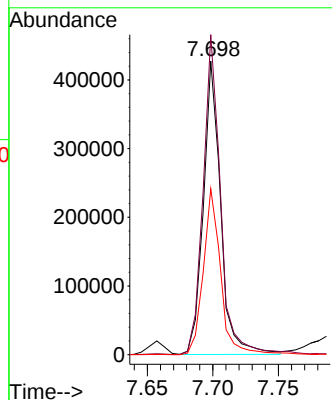
Tgt Ion:122 Resp: 393804

Ion Ratio Lower Upper

122 100

107 109.0 90.2 135.4

121 56.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 50.951 ng

RT: 7.793 min Scan# 970

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

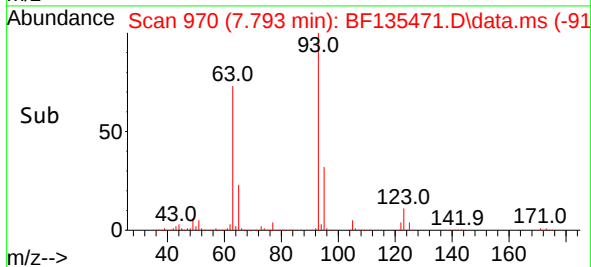
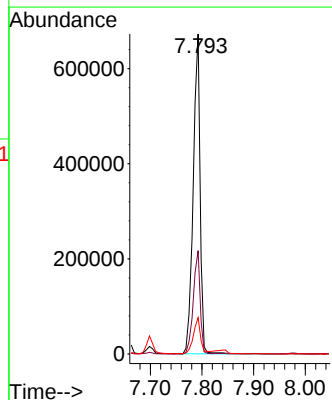
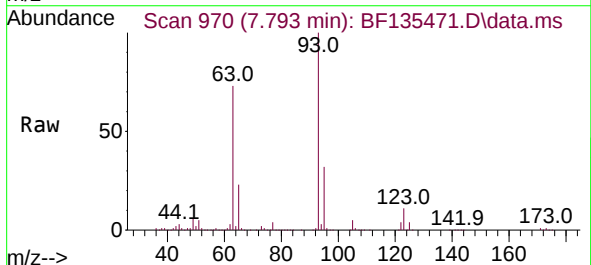
Tgt Ion: 93 Resp: 625413

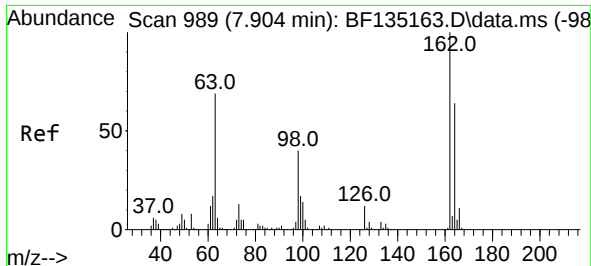
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 11.3 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.273 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

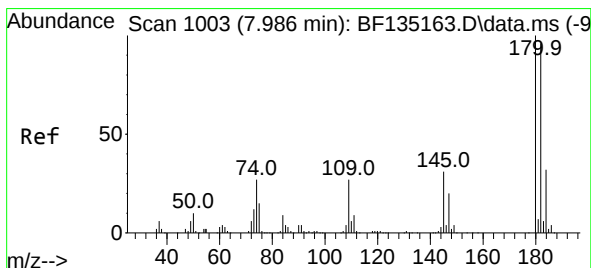
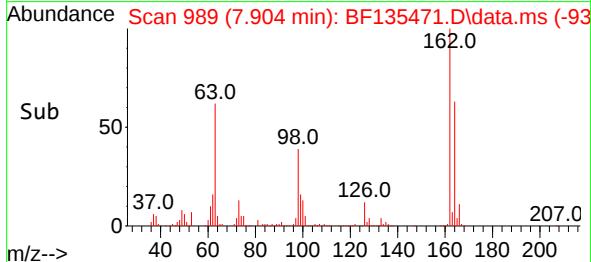
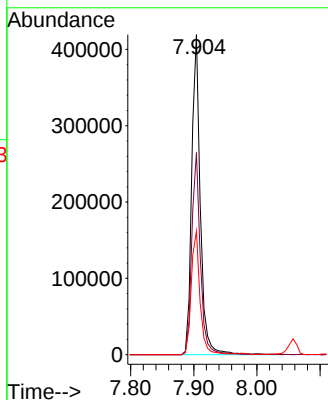
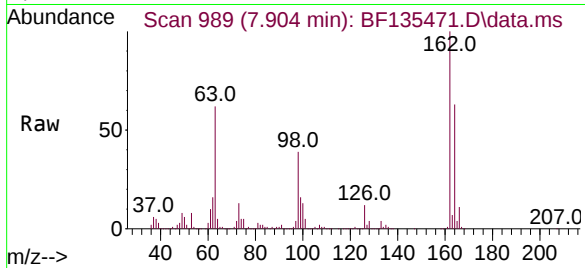
Tgt Ion:162 Resp: 398345

Ion Ratio Lower Upper

162 100

164 63.2 44.1 84.1

98 38.6 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 48.069 ng

RT: 7.981 min Scan# 1002

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

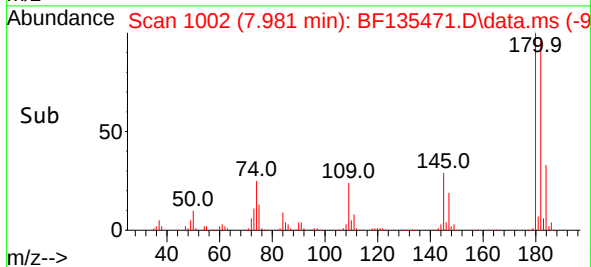
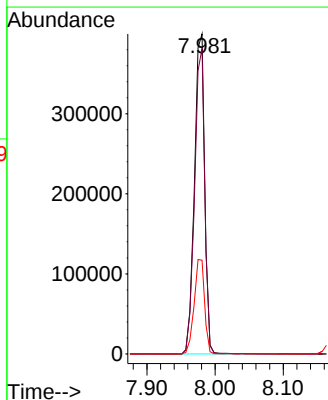
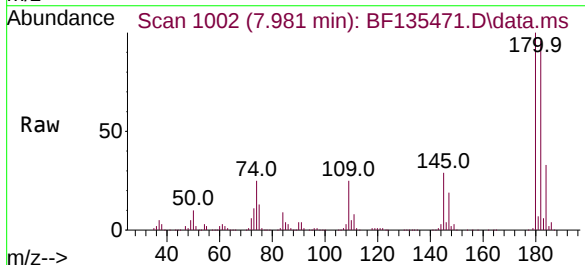
Tgt Ion:180 Resp: 414599

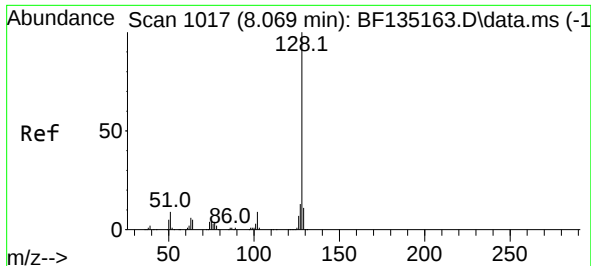
Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 29.3 24.5 36.7

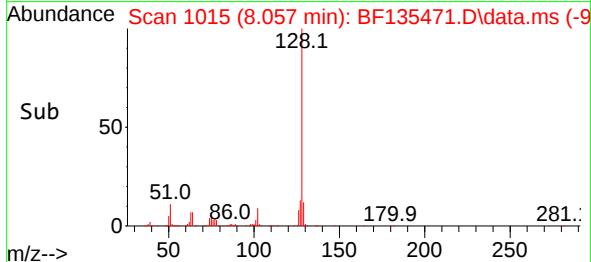
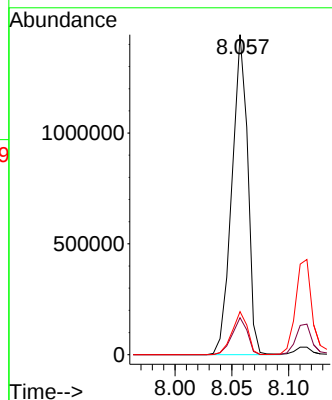
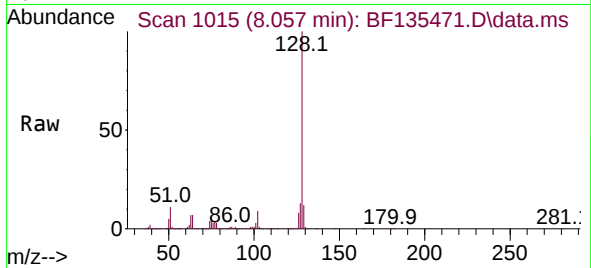




#31  
Naphthalene  
Concen: 47.225 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

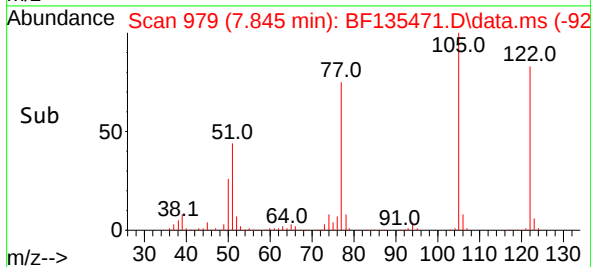
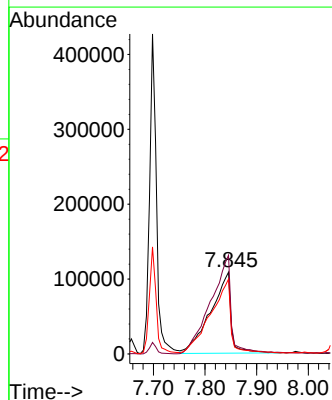
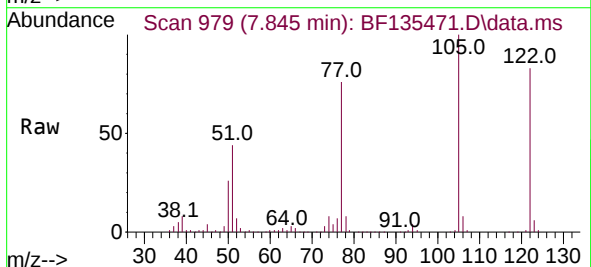
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion:128 Resp: 1392247  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.7 13.1  
127 13.5 10.7 16.1



#32  
Benzoic acid  
Concen: 44.646 ng  
RT: 7.845 min Scan# 979  
Delta R.T. 0.018 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:122 Resp: 299391  
Ion Ratio Lower Upper  
122 100  
105 120.6 99.9 139.9  
77 91.4 70.0 110.0

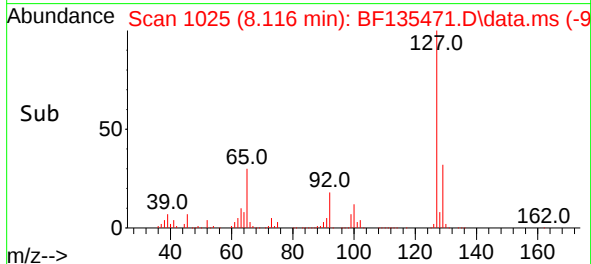
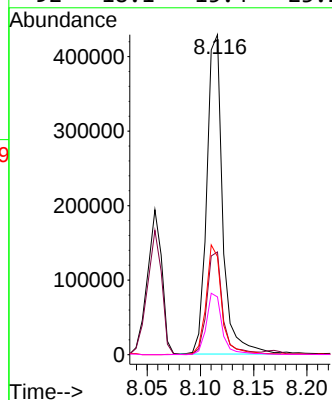
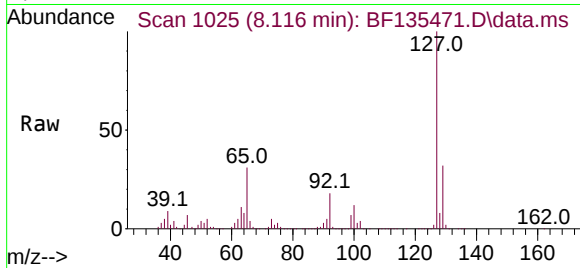




#33  
4-Chloroaniline  
Concen: 34.453 ng  
RT: 8.116 min Scan# 1026  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

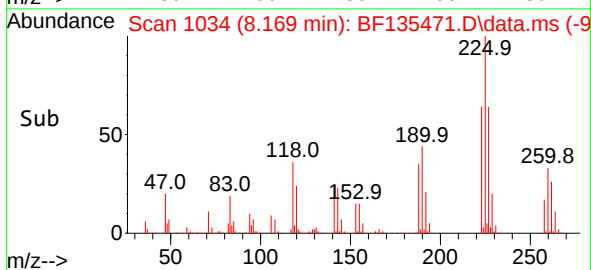
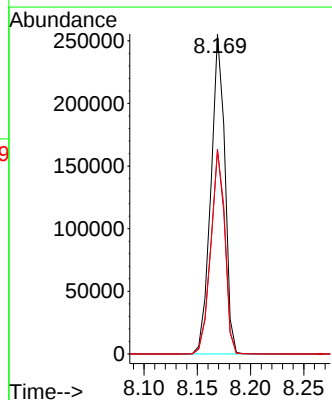
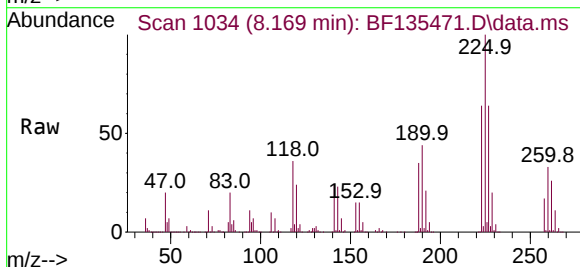
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

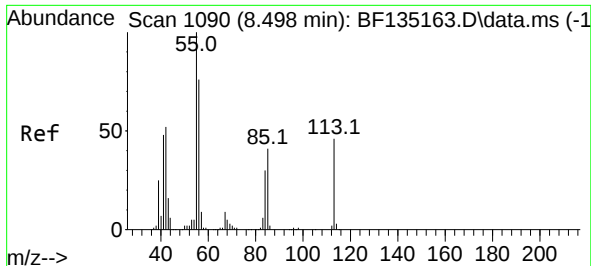
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:127 | Resp: | 445638 |
| Ion | Ratio   | Lower | Upper  |
| 127 | 100     |       |        |
| 129 | 32.1    | 25.8  | 38.8   |
| 65  | 30.6    | 26.6  | 39.8   |
| 92  | 18.1    | 15.4  | 23.2   |



#34  
Hexachlorobutadiene  
Concen: 44.659 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:225 | Resp: | 232258 |
| Ion | Ratio   | Lower | Upper  |
| 225 | 100     |       |        |
| 223 | 64.0    | 50.6  | 75.8   |
| 227 | 63.6    | 50.8  | 76.2   |

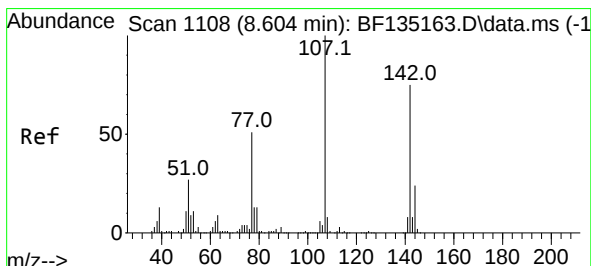
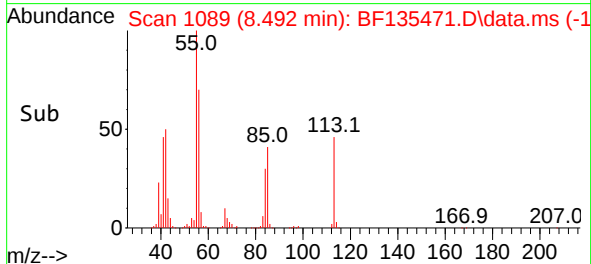
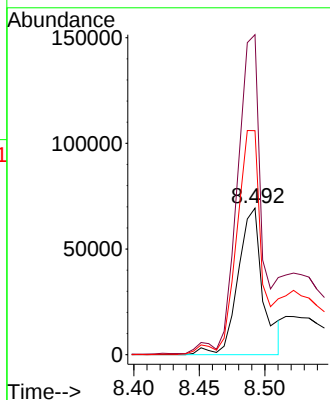
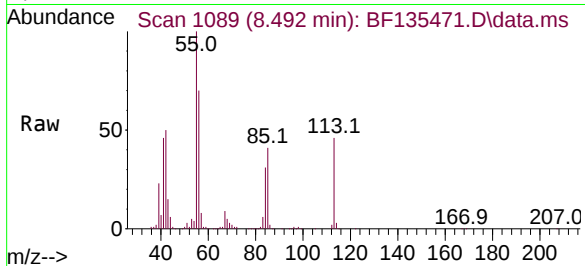




#35  
 Caprolactam  
 Concen: 33.277 ng  
 RT: 8.492 min Scan# 1090  
 Delta R.T. 0.000 min  
 Lab File: BF135471.D  
 Acq: 27 Sep 2023 14:29

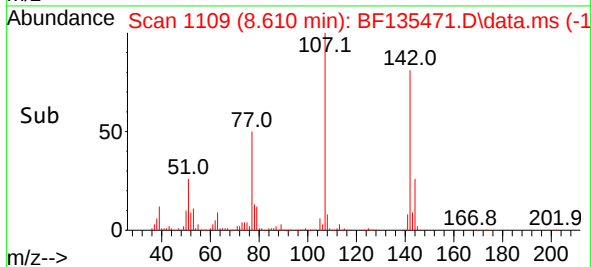
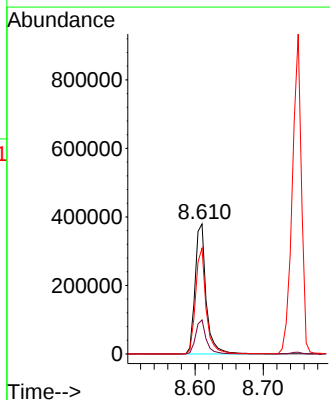
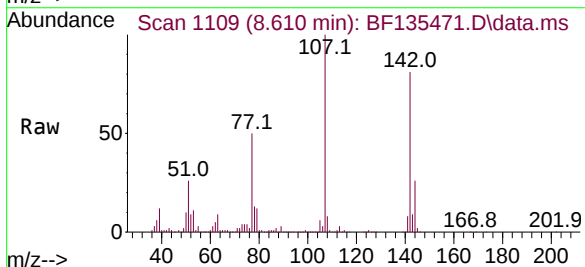
Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11976MS

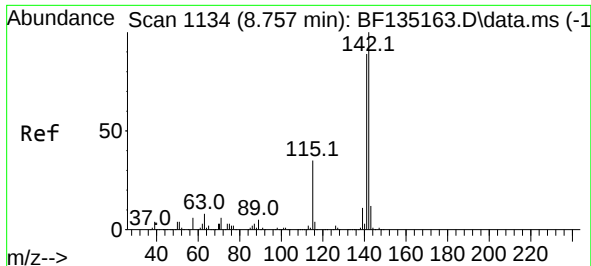
Tgt Ion:113 Resp: 92158  
 Ion Ratio Lower Upper  
 113 100  
 55 218.3 199.3 239.3  
 56 152.9 146.3 186.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.277 ng  
 RT: 8.610 min Scan# 1109  
 Delta R.T. 0.006 min  
 Lab File: BF135471.D  
 Acq: 27 Sep 2023 14:29

Tgt Ion:107 Resp: 424419  
 Ion Ratio Lower Upper  
 107 100  
 144 26.2 19.0 28.4  
 142 81.2 60.2 90.2





#37

2-Methylnaphthalene

Concen: 43.788 ng

RT: 8.751 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

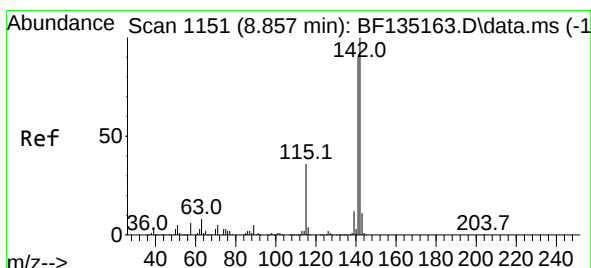
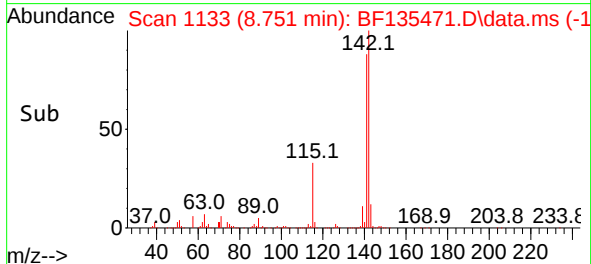
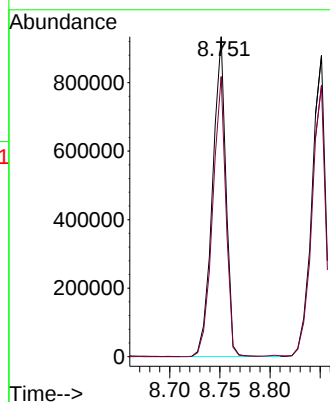
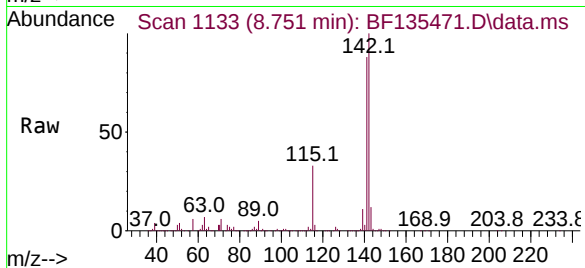
72-11976MS

Tgt Ion:142 Resp: 867766

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.6



#38

1-Methylnaphthalene

Concen: 44.375 ng

RT: 8.851 min Scan# 1150

Delta R.T. 0.006 min

Lab File: BF135471.D

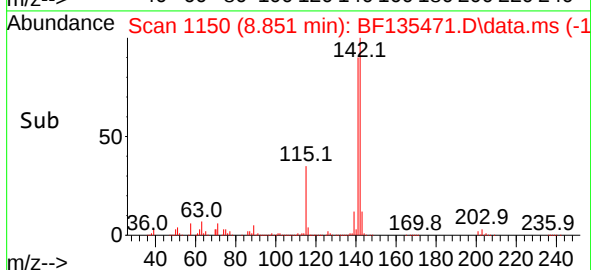
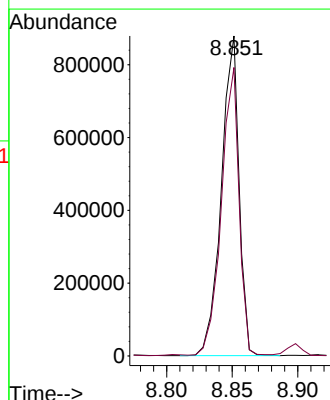
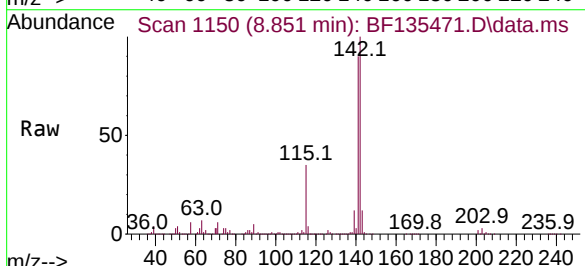
Acq: 27 Sep 2023 14:29

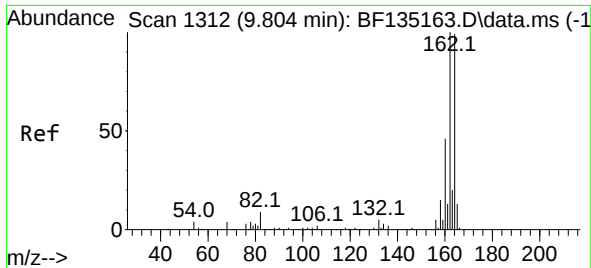
Tgt Ion:142 Resp: 823323

Ion Ratio Lower Upper

142 100

141 90.1 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

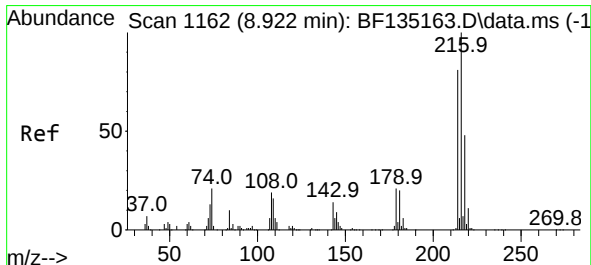
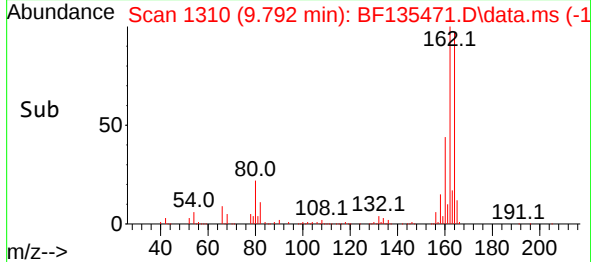
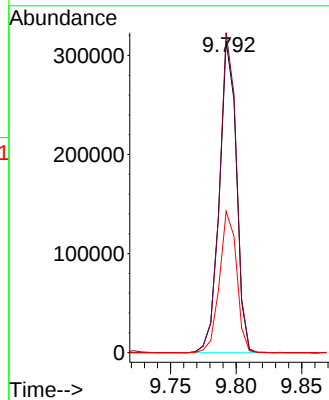
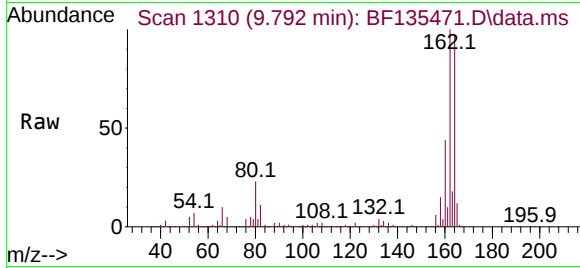
Tgt Ion:164 Resp: 282409

Ion Ratio Lower Upper

164 100

162 102.7 81.0 121.4

160 45.3 37.0 55.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.739 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Tgt Ion:216 Resp: 398767

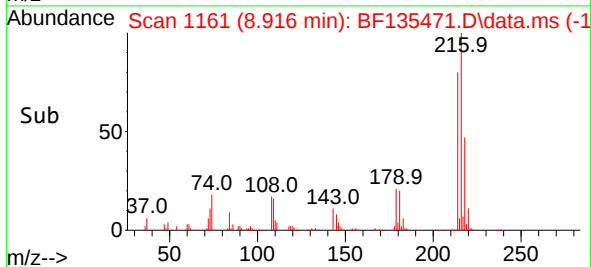
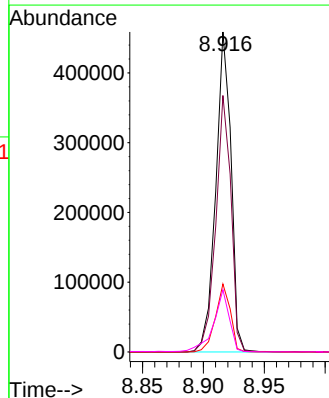
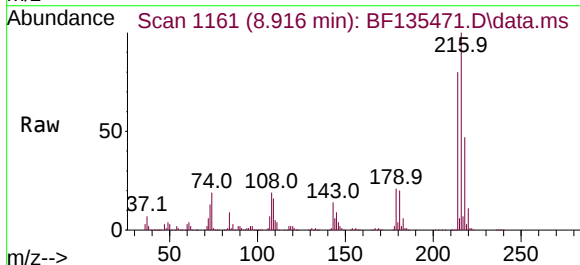
Ion Ratio Lower Upper

216 100

214 79.8 63.7 95.5

179 20.8 16.7 25.1

108 20.3 14.9 22.3

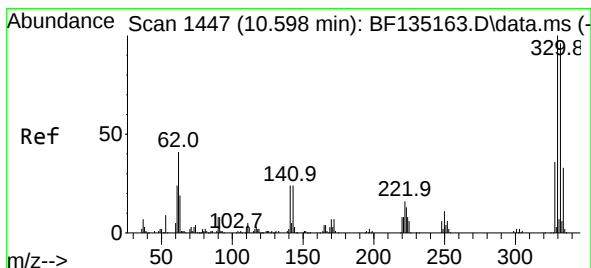
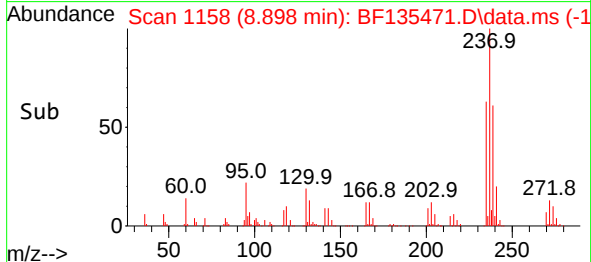
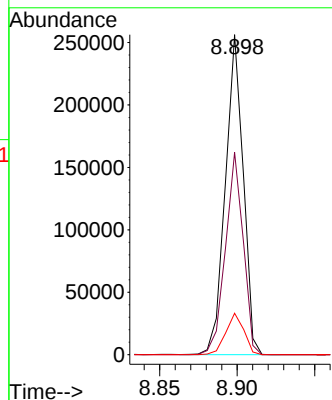
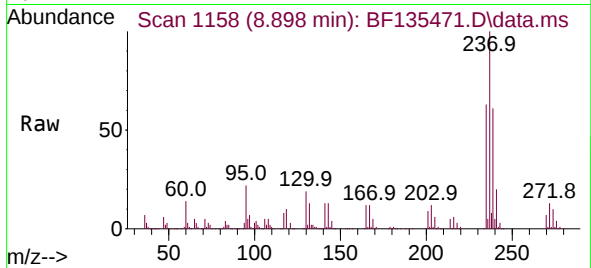




#41  
Hexachlorocyclopentadiene  
Concen: 59.154 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

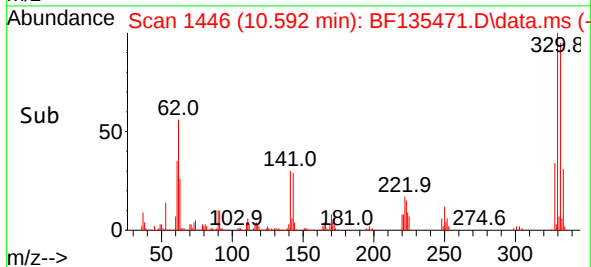
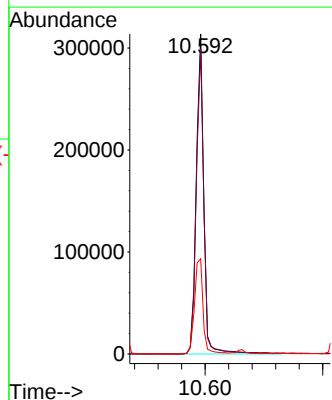
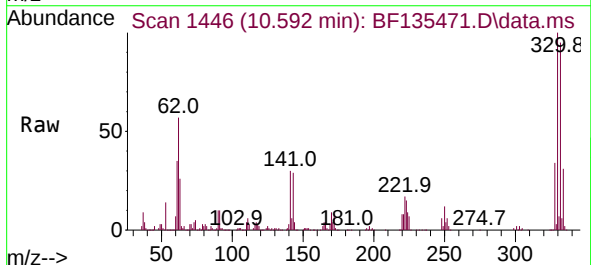
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

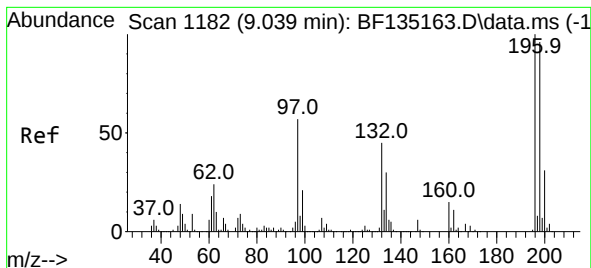
Tgt Ion:237 Resp: 205613  
Ion Ratio Lower Upper  
237 100  
235 63.3 41.8 81.8  
272 12.9 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 99.079 ng  
RT: 10.592 min Scan# 1446  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:330 Resp: 278061  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.3 115.9  
141 33.9 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 49.024 ng

RT: 9.034 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

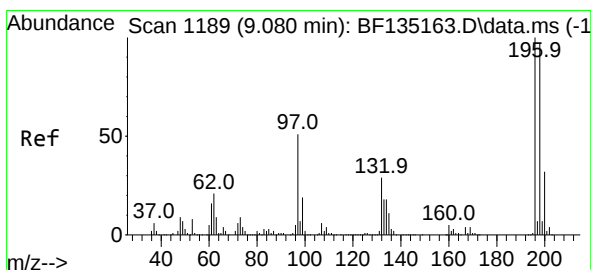
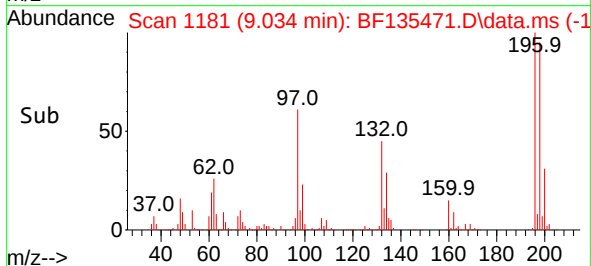
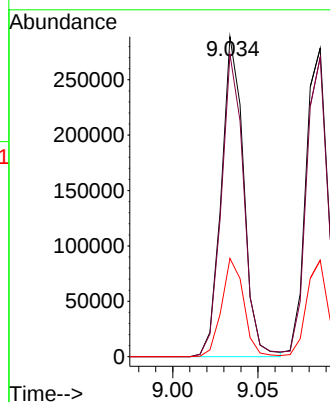
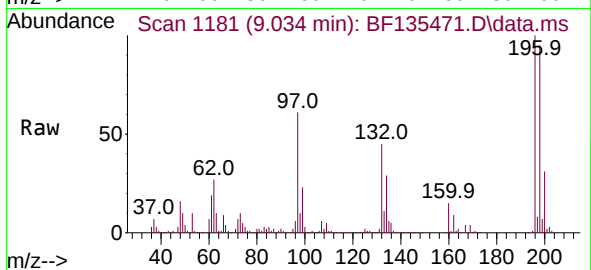
Tgt Ion:196 Resp: 262615

Ion Ratio Lower Upper

196 100

198 94.6 77.0 115.6

200 30.7 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 45.291 ng

RT: 9.087 min Scan# 1190

Delta R.T. 0.012 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Tgt Ion:196 Resp: 279400

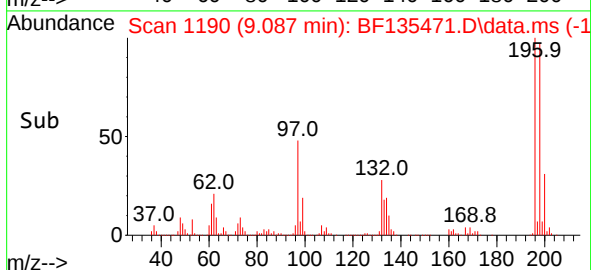
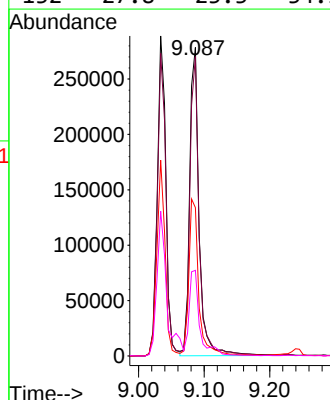
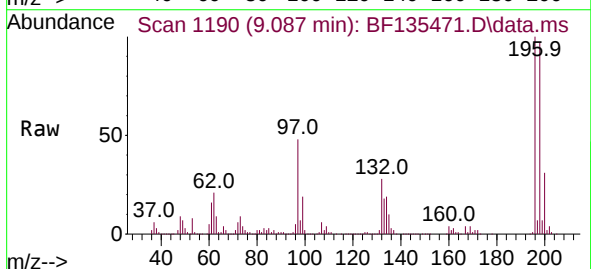
Ion Ratio Lower Upper

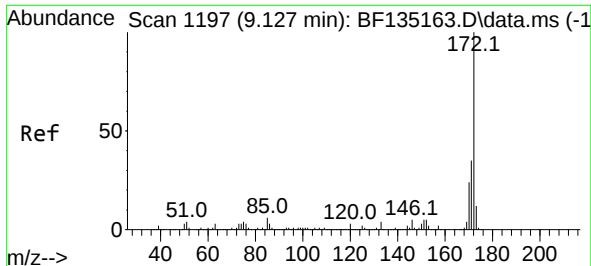
196 100

198 97.1 77.5 116.3

97 48.1 40.5 60.7

132 27.8 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 79.408 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

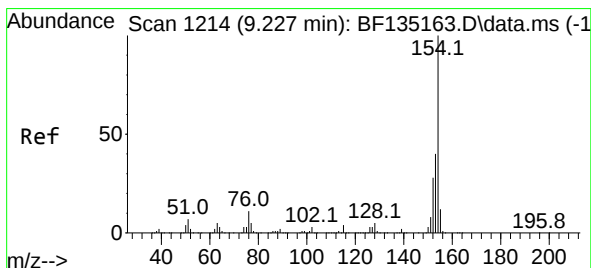
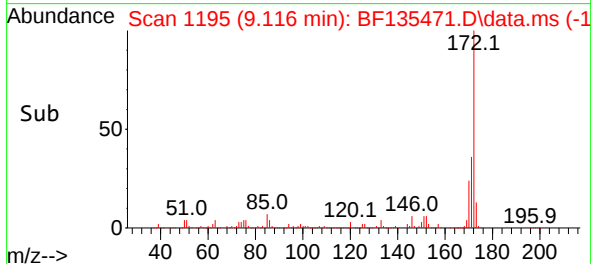
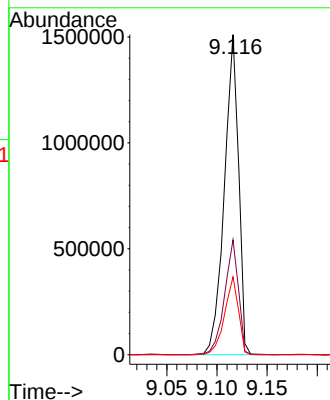
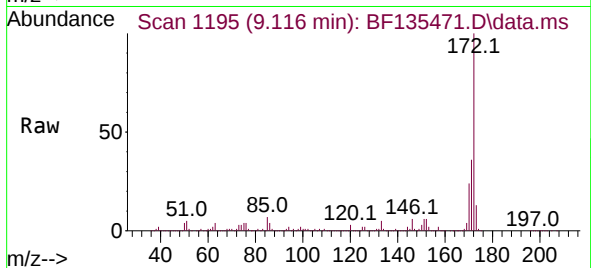
Tgt Ion:172 Resp: 1486390

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 24.3 19.0 28.4



#46

1,1'-Biphenyl

Concen: 49.040 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

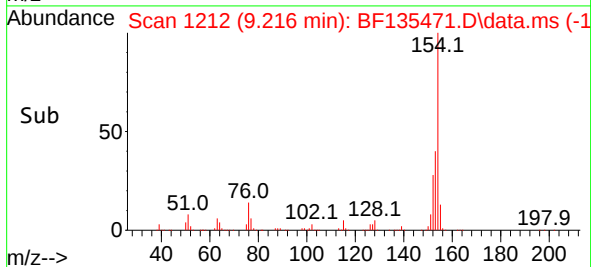
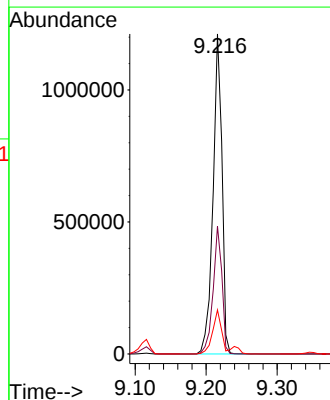
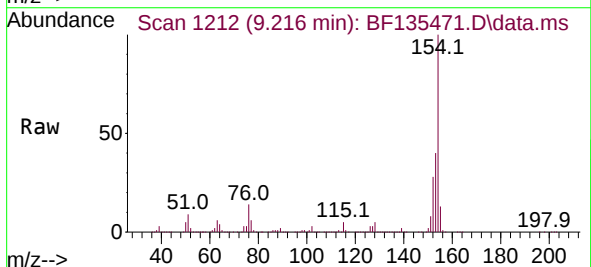
Tgt Ion:154 Resp: 1064299

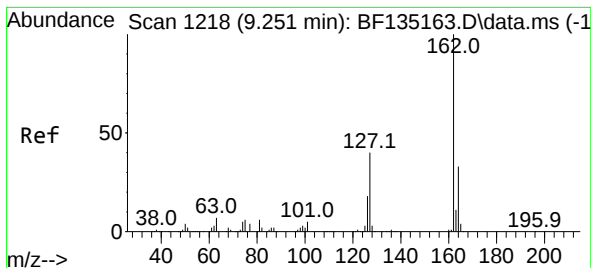
Ion Ratio Lower Upper

154 100

153 39.9 19.6 59.6

76 13.8 0.0 31.0





#47

2-Chloronaphthalene

Concen: 50.864 ng

RT: 9.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

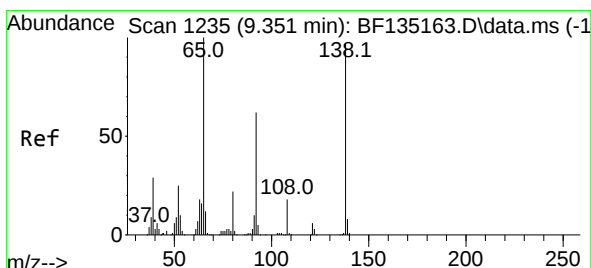
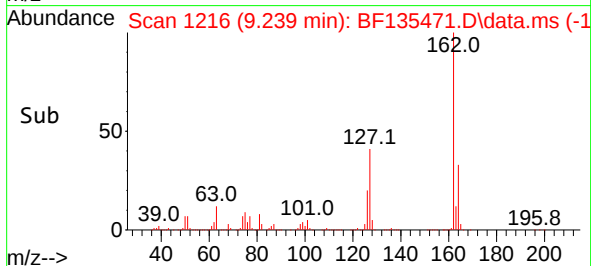
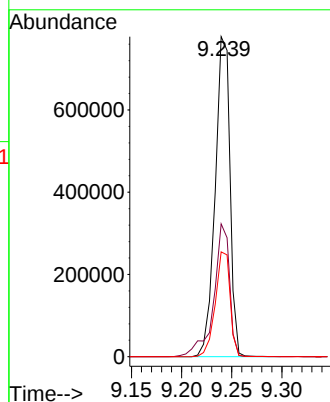
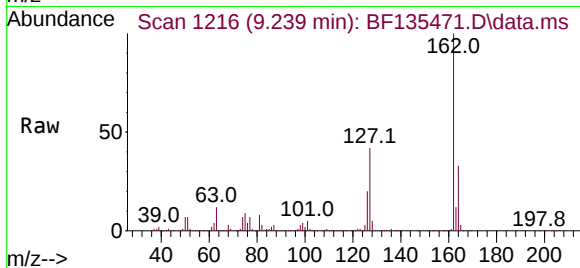
Tgt Ion:162 Resp: 800928

Ion Ratio Lower Upper

162 100

127 41.5 32.6 48.8

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 49.442 ng

RT: 9.345 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

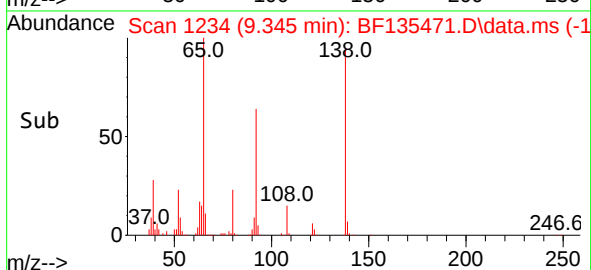
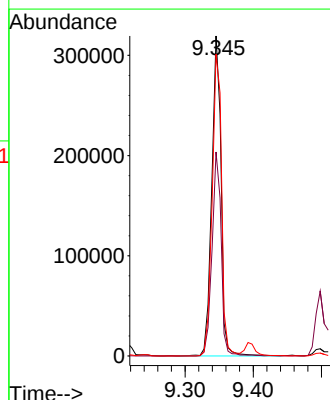
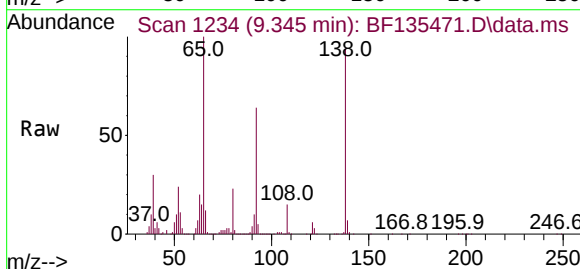
Tgt Ion: 65 Resp: 302461

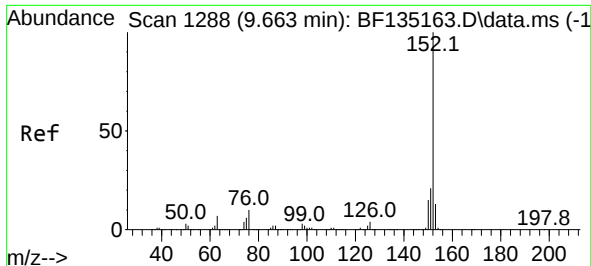
Ion Ratio Lower Upper

65 100

92 63.7 49.4 74.0

138 94.3 77.4 116.0





#49

Acenaphthylene

Concen: 48.427 ng

RT: 9.657 min Scan# 1287

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

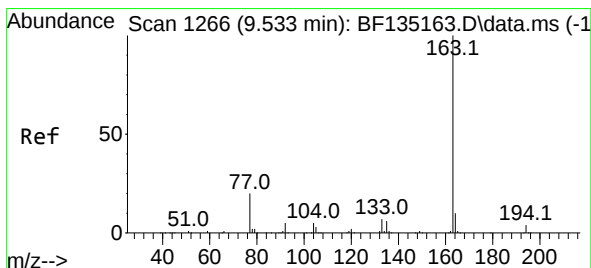
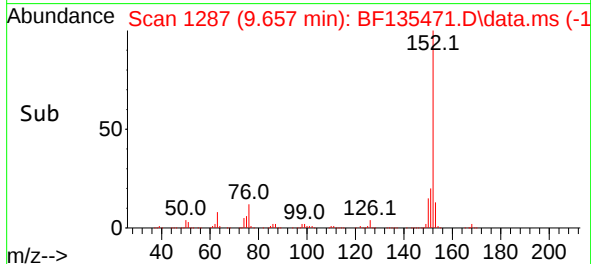
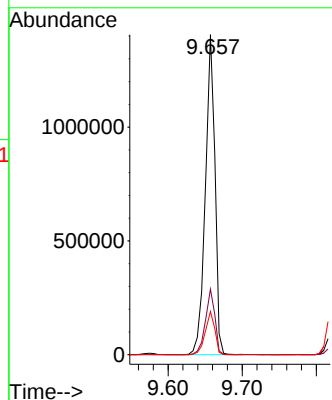
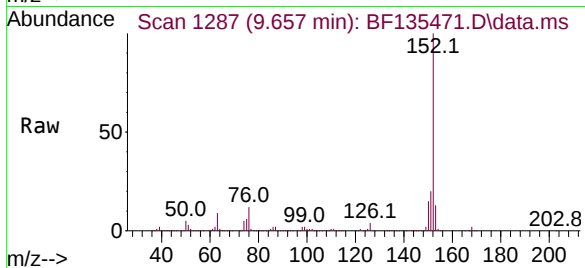
Tgt Ion:152 Resp: 1267326

Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 13.5 10.4 15.6



#50

Dimethylphthalate

Concen: 47.721 ng

RT: 9.522 min Scan# 1264

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

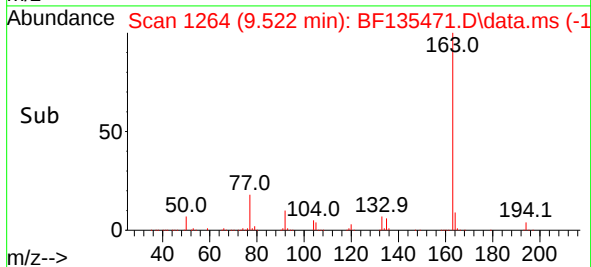
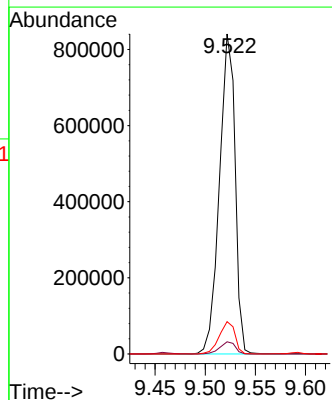
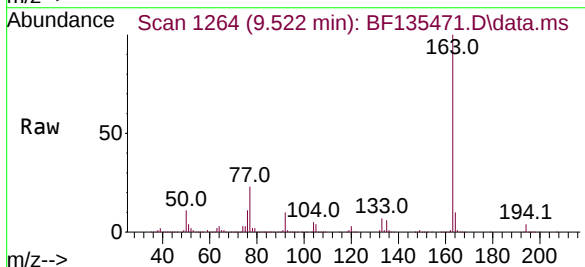
Tgt Ion:163 Resp: 911176

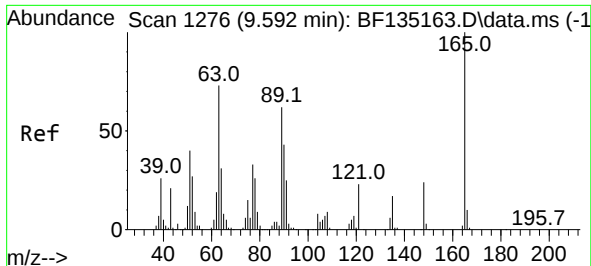
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.1 8.1 12.1

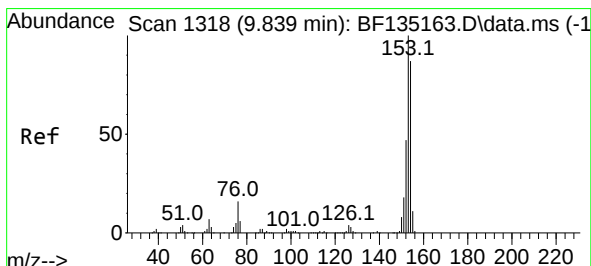
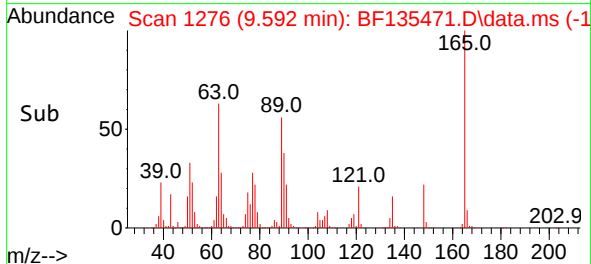
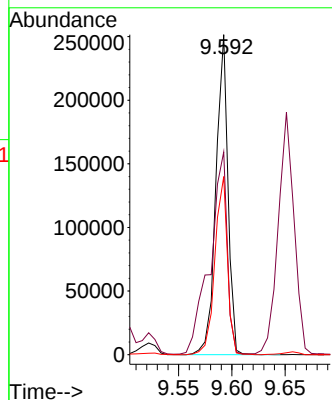
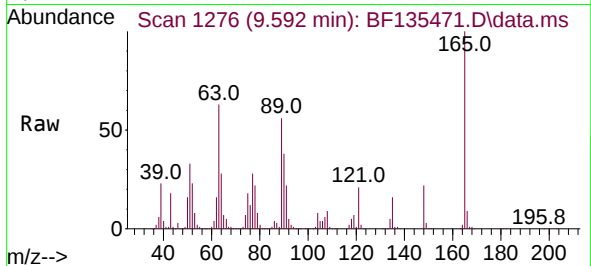




#51  
2,6-Dinitrotoluene  
Concen: 47.045 ng  
RT: 9.592 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

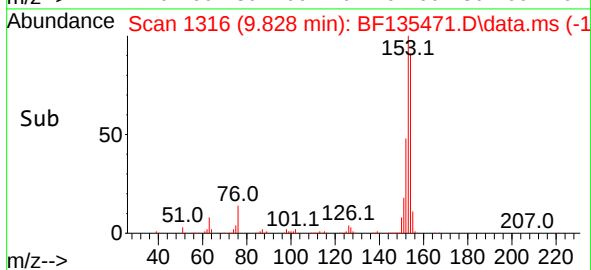
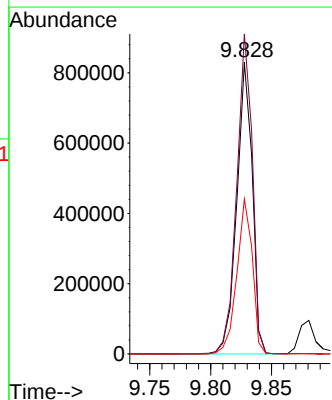
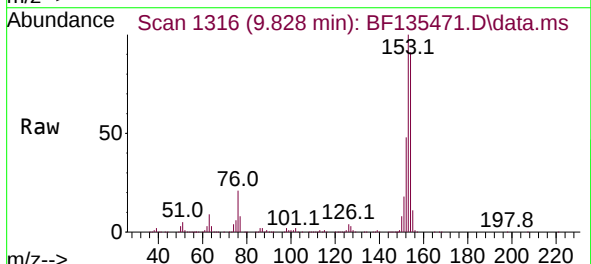
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

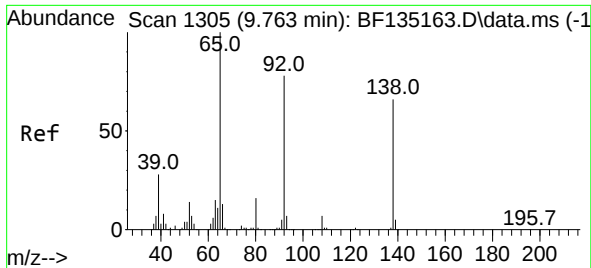
Tgt Ion:165 Resp: 196778  
Ion Ratio Lower Upper  
165 100  
63 63.4 59.4 89.2  
89 55.6 49.8 74.8



#52  
Acenaphthene  
Concen: 47.692 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:154 Resp: 737301  
Ion Ratio Lower Upper  
154 100  
153 109.8 92.1 138.1  
152 53.1 43.1 64.7

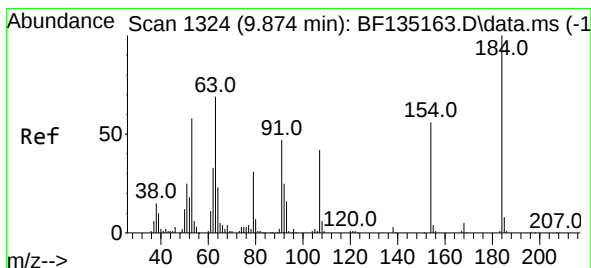
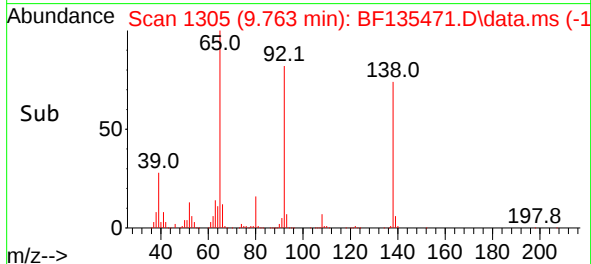
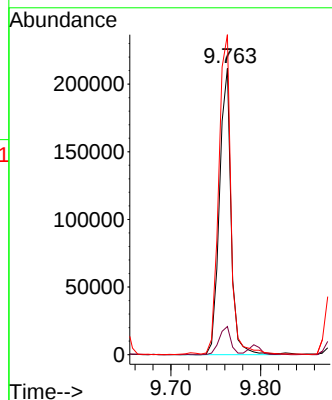
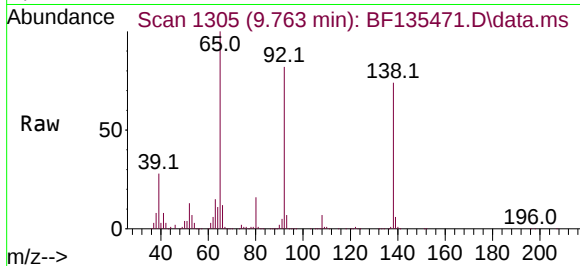




#53  
3-Nitroaniline  
Concen: 38.787 ng  
RT: 9.763 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

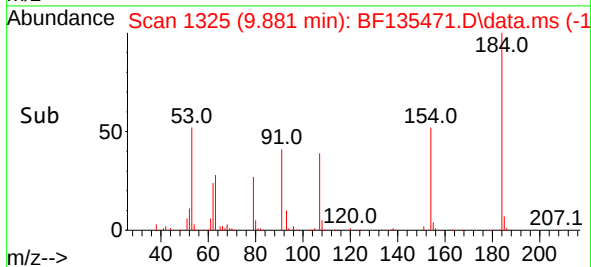
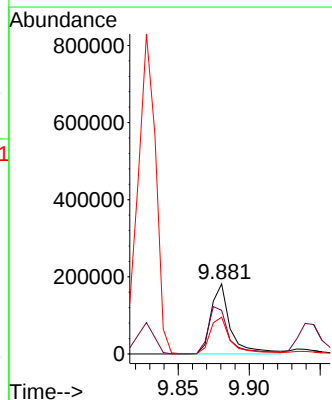
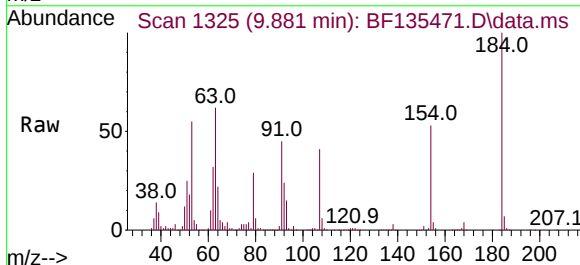
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

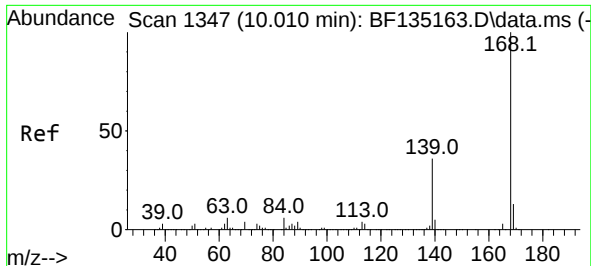
Tgt Ion:138 Resp: 190443  
Ion Ratio Lower Upper  
138 100  
108 9.8 8.5 12.7  
92 111.8 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 73.034 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:184 Resp: 172023  
Ion Ratio Lower Upper  
184 100  
63 62.5 55.1 82.7  
154 52.6 48.4 72.6

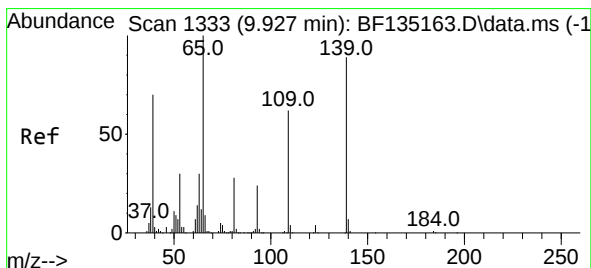
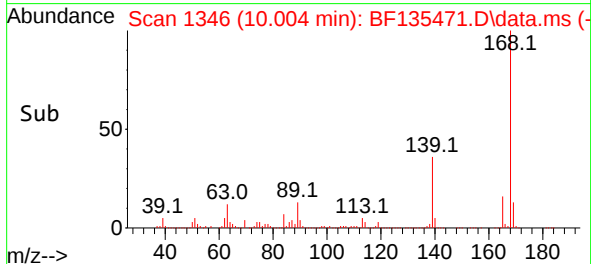
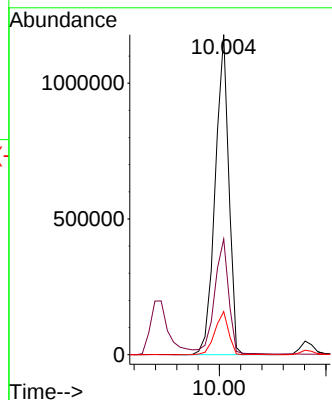
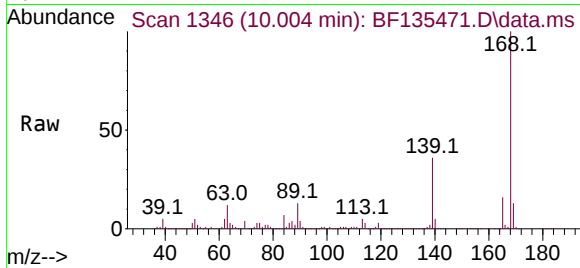




#55  
Dibenzenofuran  
Concen: 44.042 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

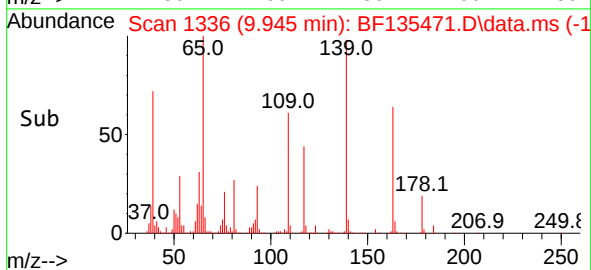
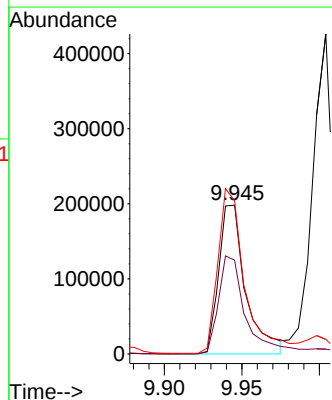
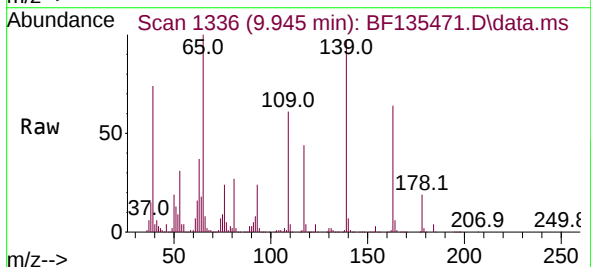
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

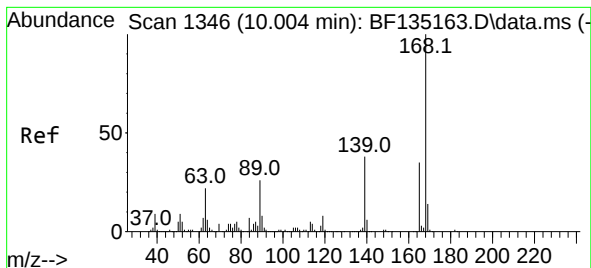
Tgt Ion:168 Resp: 1038993  
Ion Ratio Lower Upper  
168 100  
139 36.2 29.0 43.6  
169 13.4 10.4 15.6



#56  
4-Nitrophenol  
Concen: 76.897 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.012 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:139 Resp: 239958  
Ion Ratio Lower Upper  
139 100  
109 63.0 49.8 89.8  
65 103.0 92.7 132.7

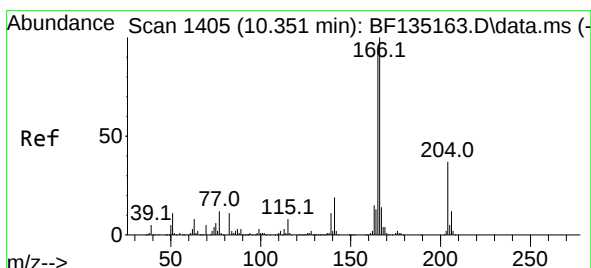
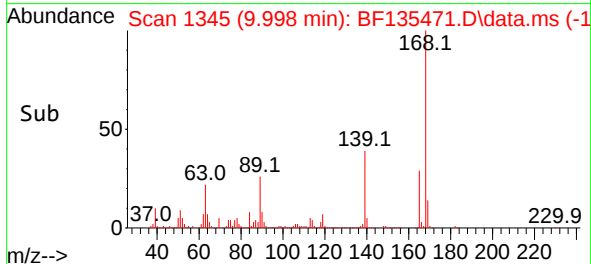
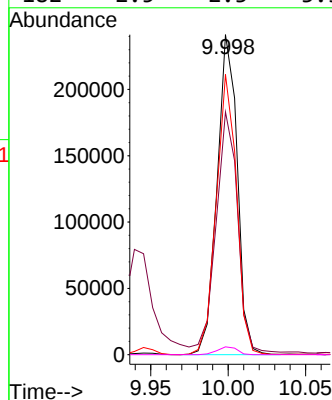
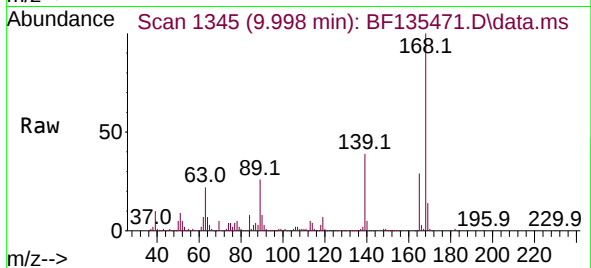




#57  
2,4-Dinitrotoluene  
Concen: 41.835 ng  
RT: 9.998 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

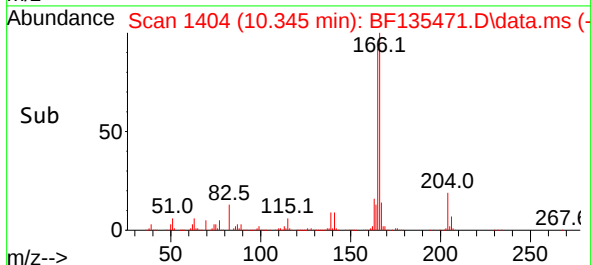
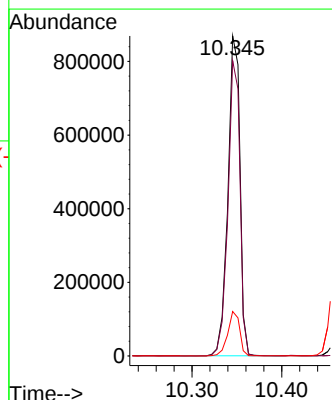
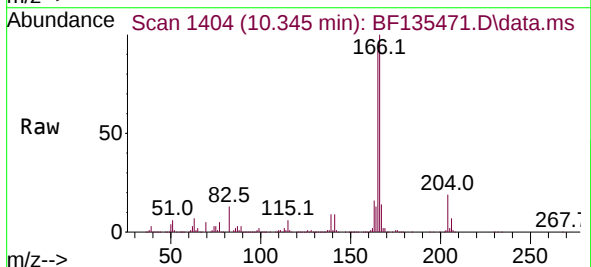
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion:165 Resp: 219068  
Ion Ratio Lower Upper  
165 100  
63 75.9 50.1 75.1#  
89 87.6 59.3 88.9  
182 2.5 2.3 3.5



#58  
Fluorene  
Concen: 44.675 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:166 Resp: 810225  
Ion Ratio Lower Upper  
166 100  
165 92.3 74.3 111.5  
167 13.9 10.9 16.3

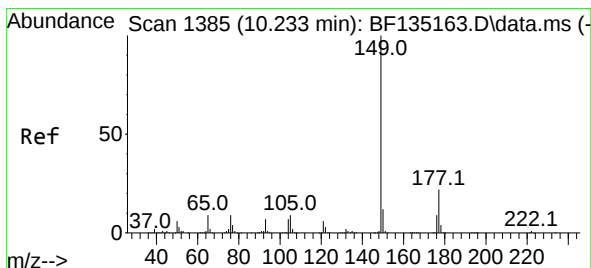
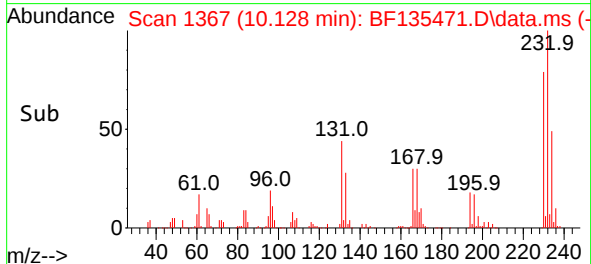
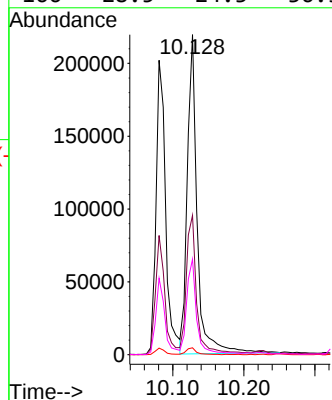
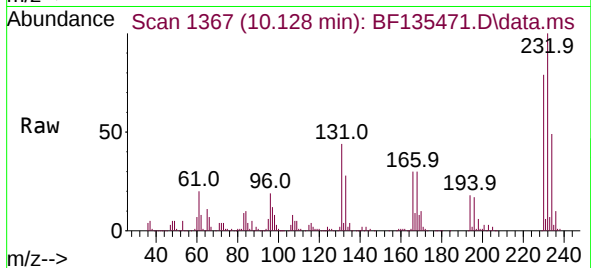




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.547 ng  
RT: 10.128 min Scan# 1367  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

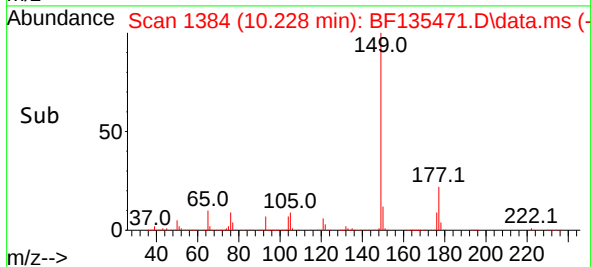
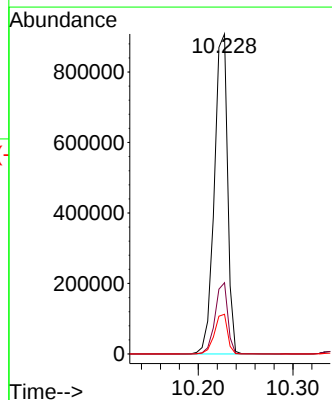
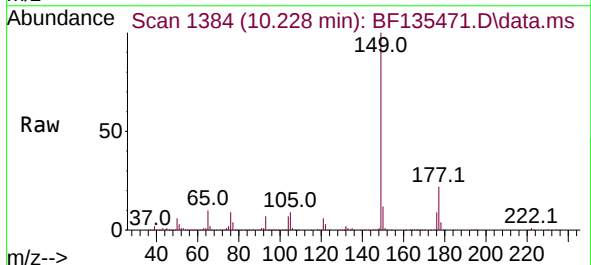
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

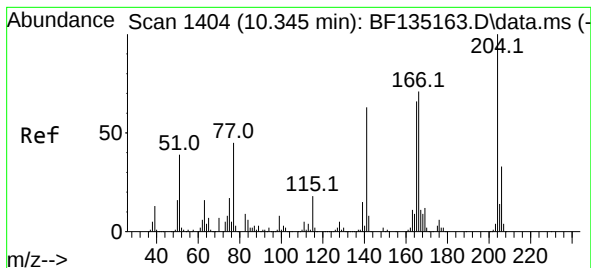
Tgt Ion:232 Resp: 211397  
Ion Ratio Lower Upper  
232 100  
131 45.3 35.4 53.2  
130 2.3 1.8 2.8  
166 28.5 24.3 36.5



#60  
Diethylphthalate  
Concen: 45.828 ng  
RT: 10.228 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:149 Resp: 878165  
Ion Ratio Lower Upper  
149 100  
177 22.2 17.8 26.6  
150 12.4 10.0 15.0

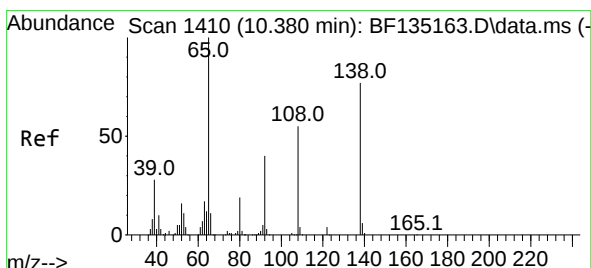
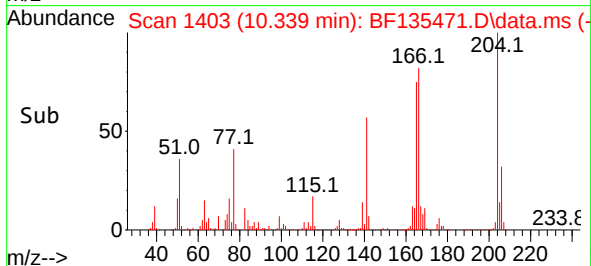
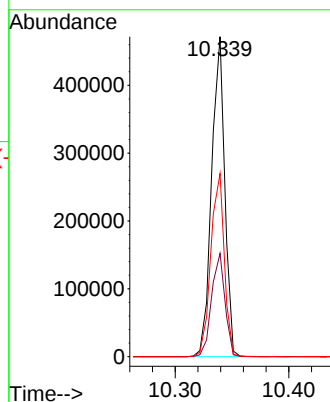
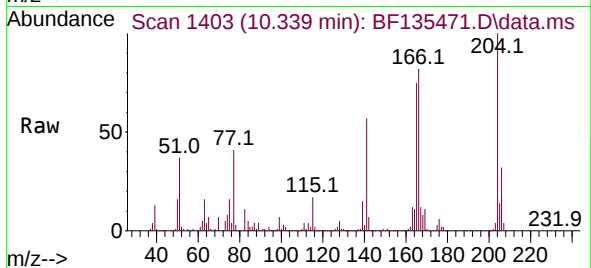




#61  
4-Chlorophenyl-phenylether  
Concen: 43.407 ng  
RT: 10.339 min Scan# 1404  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

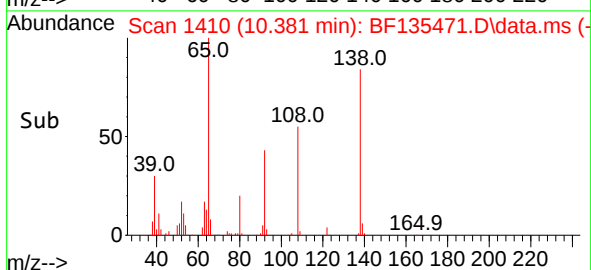
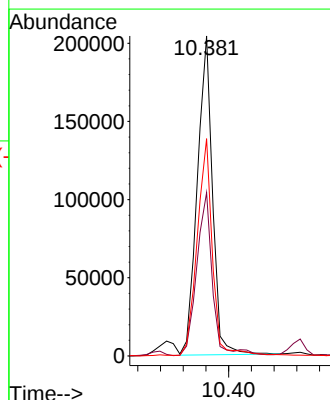
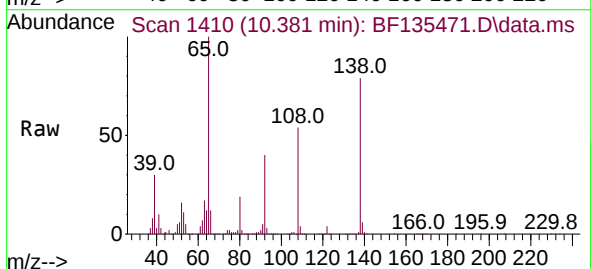
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

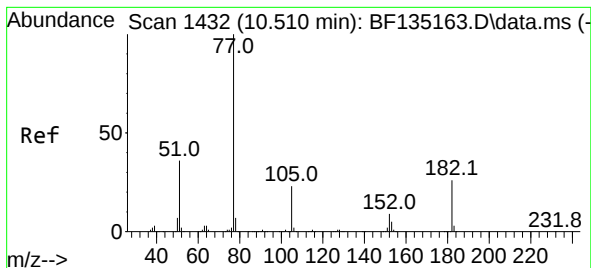
Tgt Ion:204 Resp: 378161  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.7 40.1  
141 57.3 50.6 75.8



#62  
4-Nitroaniline  
Concen: 40.266 ng  
RT: 10.381 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:138 Resp: 190042  
Ion Ratio Lower Upper  
138 100  
92 51.0 31.8 71.8  
108 67.9 52.0 92.0





#63

Azobenzene

Concen: 48.449 ng

RT: 10.498 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

Tgt Ion: 77 Resp: 908621

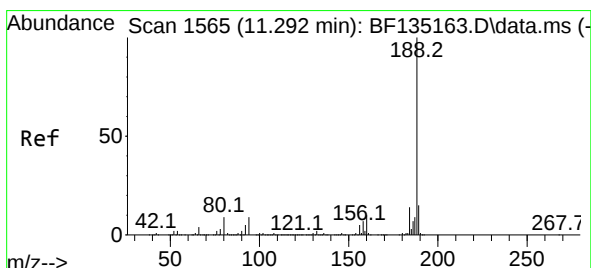
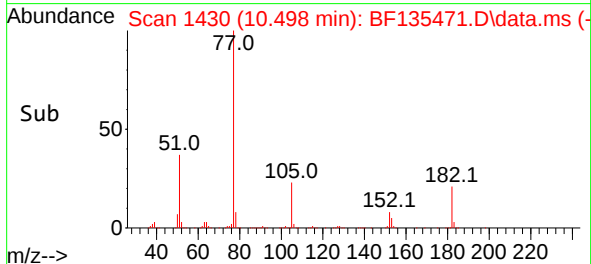
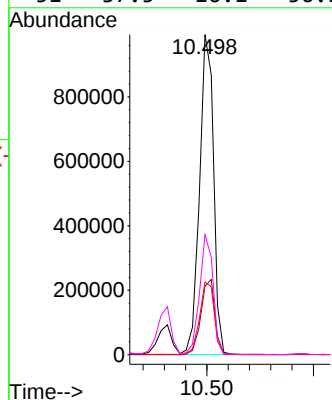
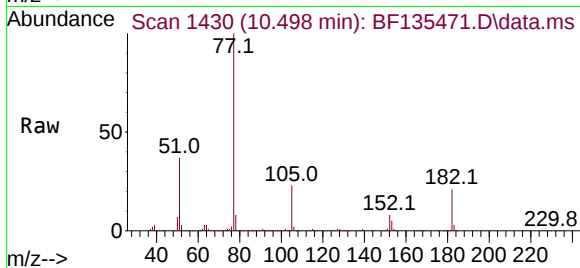
Ion Ratio Lower Upper

77 100

182 21.4 6.4 46.4

105 22.7 3.1 43.1

51 37.5 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

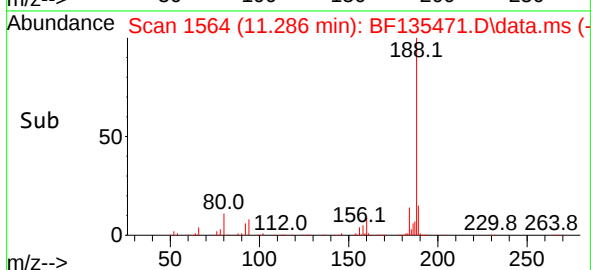
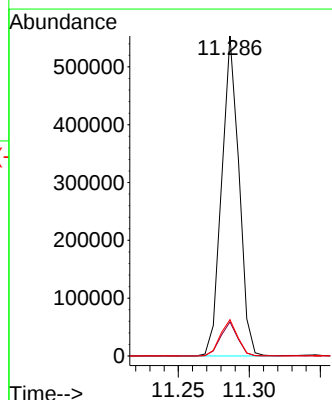
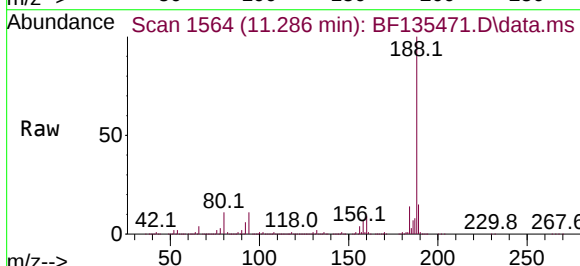
Tgt Ion:188 Resp: 467374

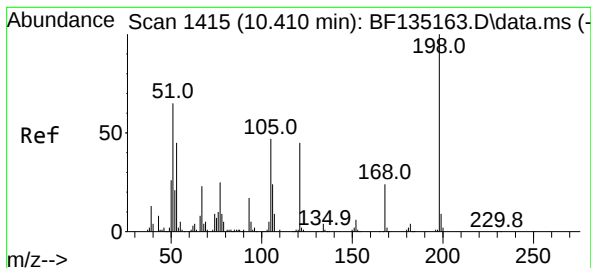
Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.3 7.5 11.3#

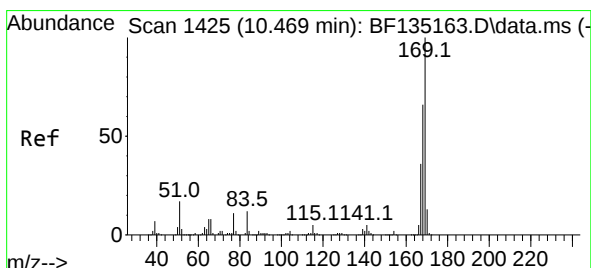
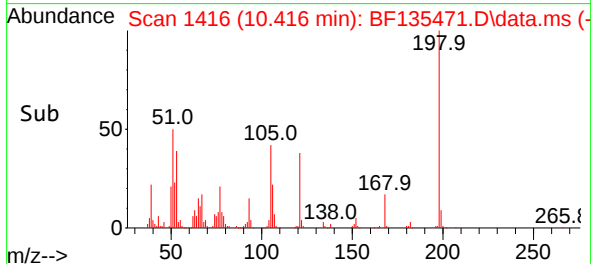
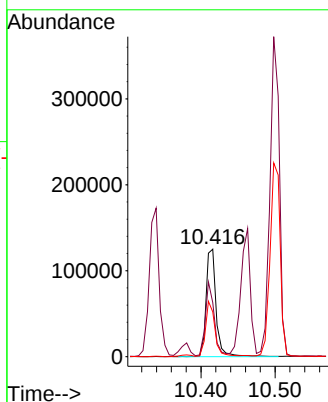
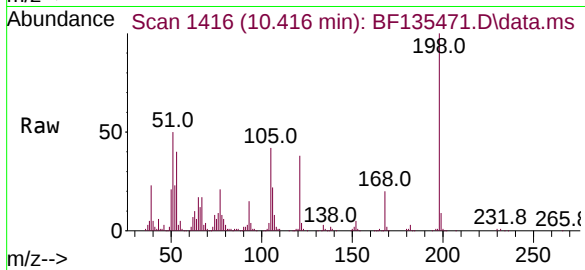




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.647 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

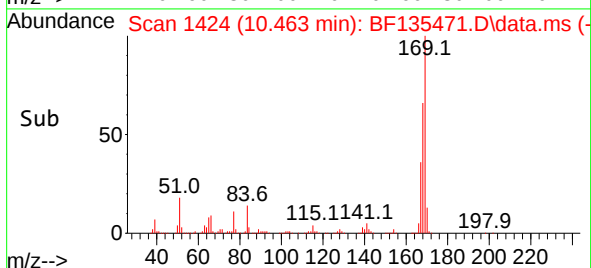
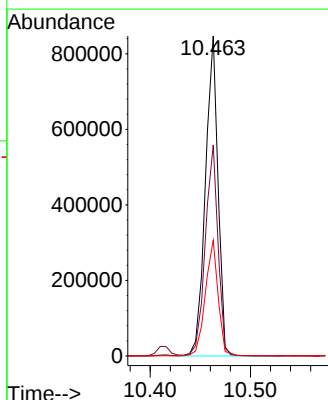
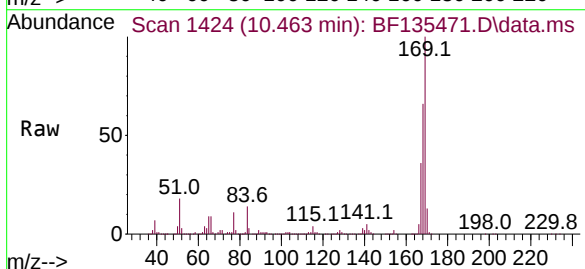
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

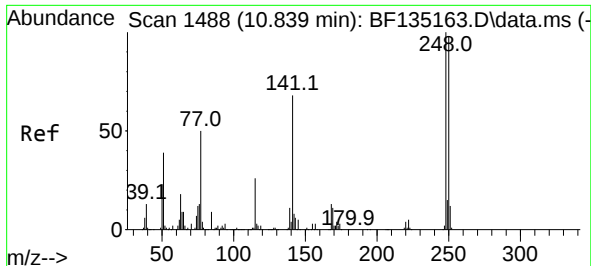
Tgt Ion:198 Resp: 118277  
Ion Ratio Lower Upper  
198 100  
51 50.3 47.7 87.7  
105 41.7 27.4 67.4



#66  
n-Nitrosodiphenylamine  
Concen: 52.481 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. 0.006 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:169 Resp: 742589  
Ion Ratio Lower Upper  
169 100  
168 65.9 52.8 79.2  
167 36.2 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 51.390 ng

RT: 10.828 min Scan# 1486

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

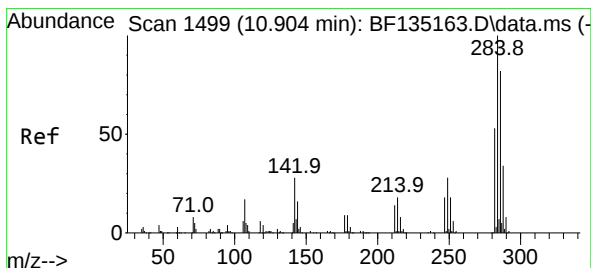
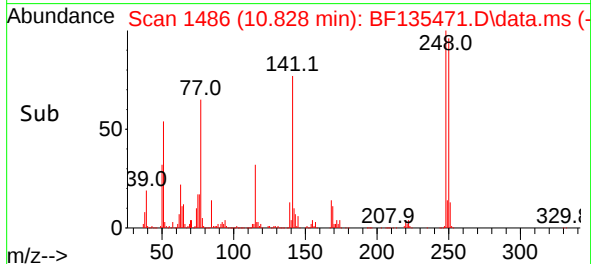
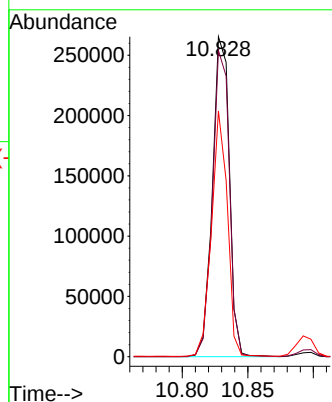
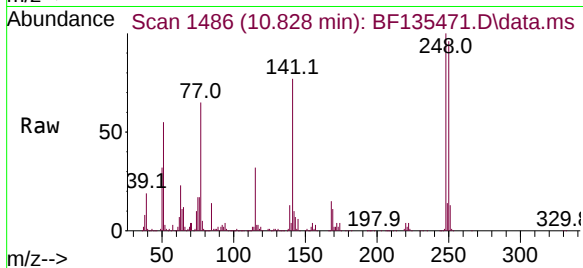
Tgt Ion:248 Resp: 238880

Ion Ratio Lower Upper

248 100

250 95.7 78.6 117.8

141 76.8 54.2 81.2



#68

Hexachlorobenzene

Concen: 51.318 ng

RT: 10.898 min Scan# 1498

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

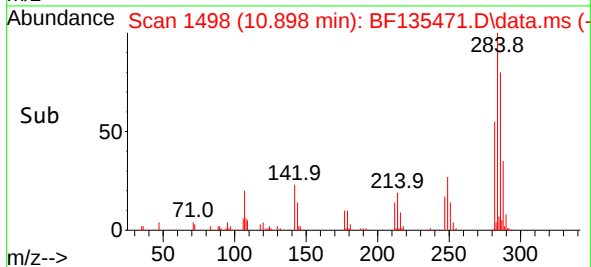
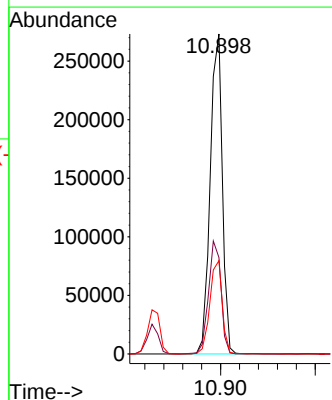
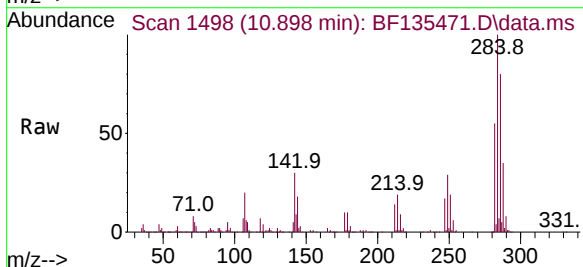
Tgt Ion:284 Resp: 243021

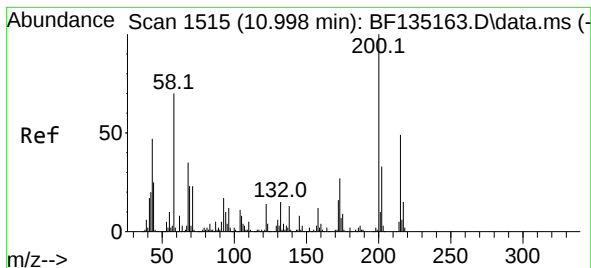
Ion Ratio Lower Upper

284 100

142 30.2 22.2 33.4

249 29.1 22.5 33.7





#69

Atrazine

Concen: 54.866 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

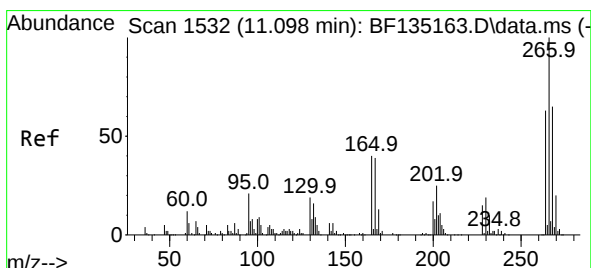
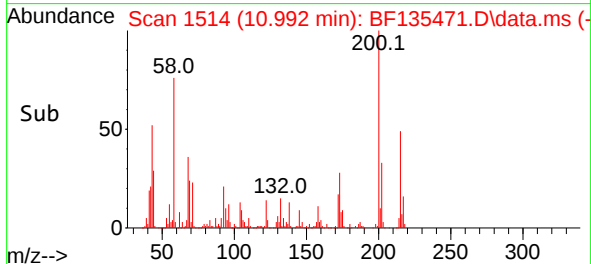
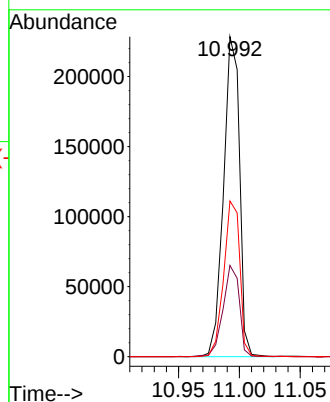
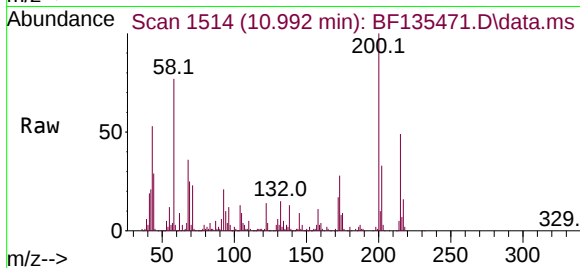
Tgt Ion:200 Resp: 208889

Ion Ratio Lower Upper

200 100

173 28.5 7.4 47.4

215 48.7 28.6 68.6



#70

Pentachlorophenol

Concen: 73.927 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

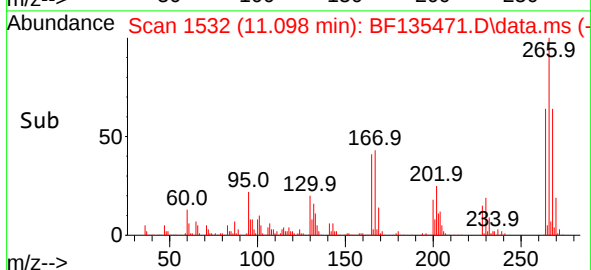
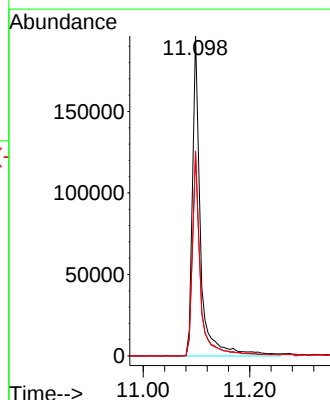
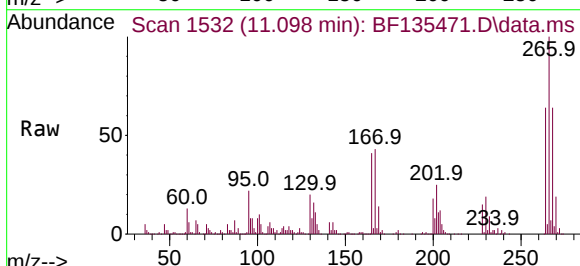
Tgt Ion:266 Resp: 209460

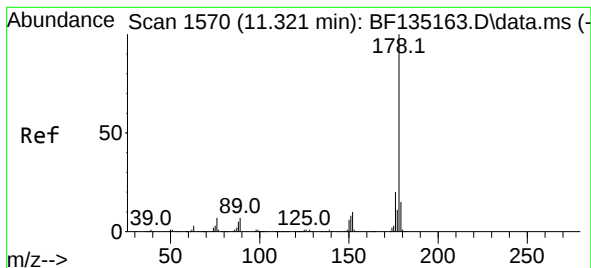
Ion Ratio Lower Upper

266 100

268 63.6 52.1 78.1

264 64.1 50.8 76.2





#71

Phenanthrene

Concen: 50.954 ng

RT: 11.316 min Scan# 1569

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

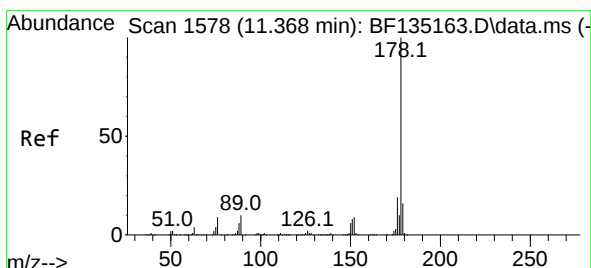
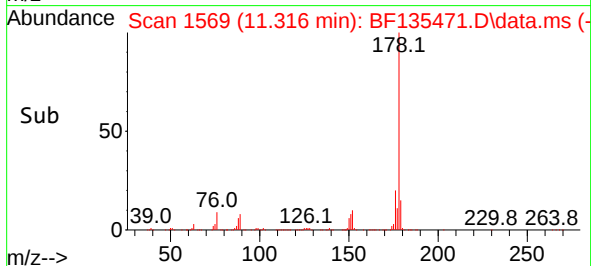
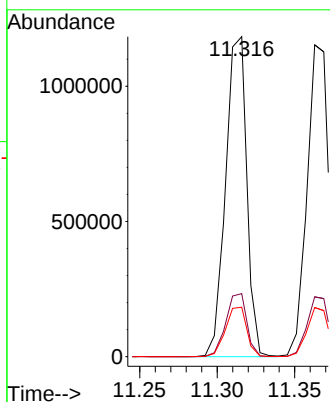
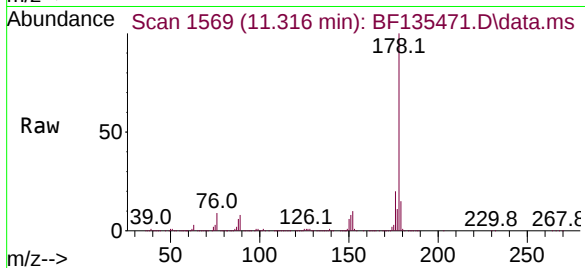
Tgt Ion:178 Resp: 1126334

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.4 12.0 18.0



#72

Anthracene

Concen: 49.191 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

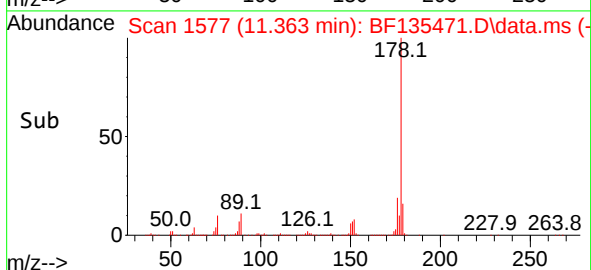
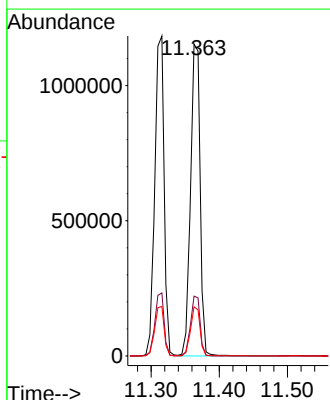
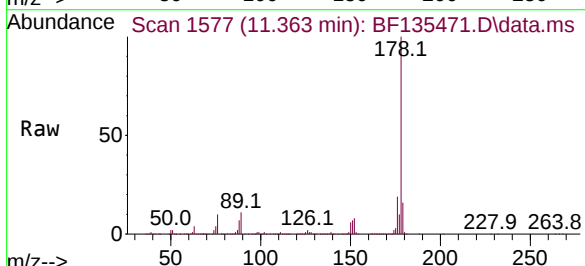
Tgt Ion:178 Resp: 1117676

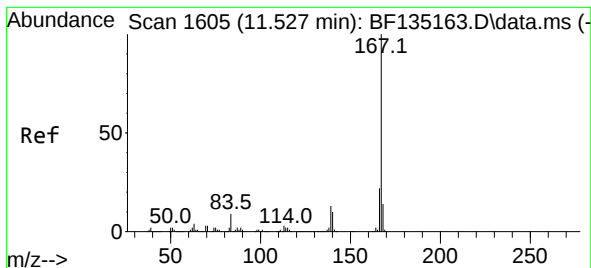
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.8 12.6 19.0





#73

Carbazole

Concen: 47.787 ng

RT: 11.528 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

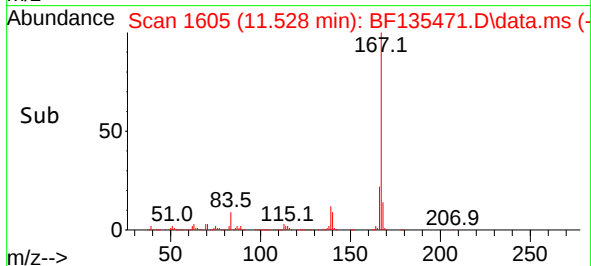
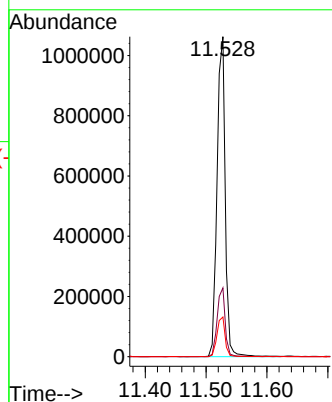
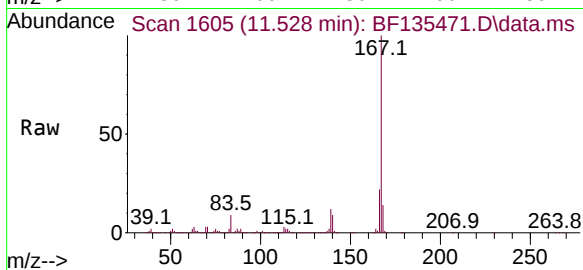
Tgt Ion:167 Resp: 988415

Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.0

139 12.4 10.6 15.8



#74

Di-n-butylphthalate

Concen: 50.531 ng

RT: 11.857 min Scan# 1661

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

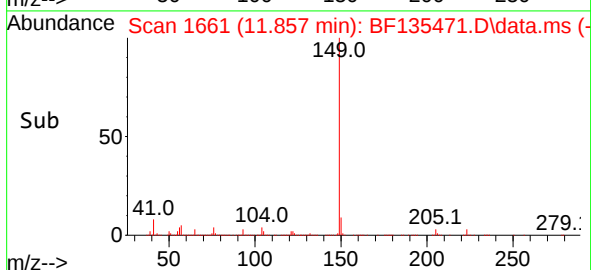
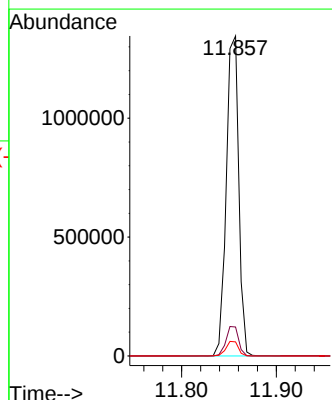
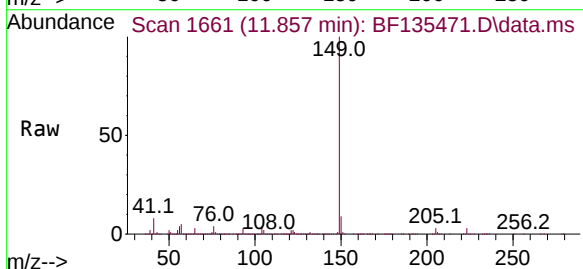
Tgt Ion:149 Resp: 1231571

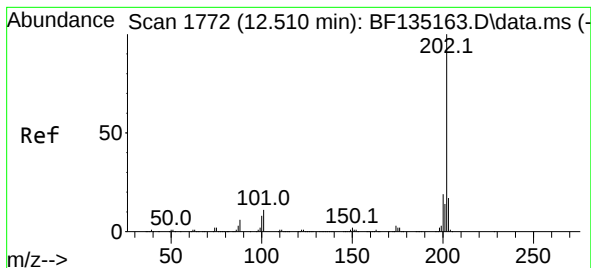
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.4 3.6 5.4





#75

Fluoranthene

Concen: 46.884 ng

RT: 12.510 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

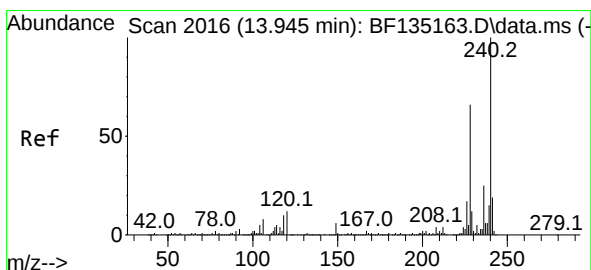
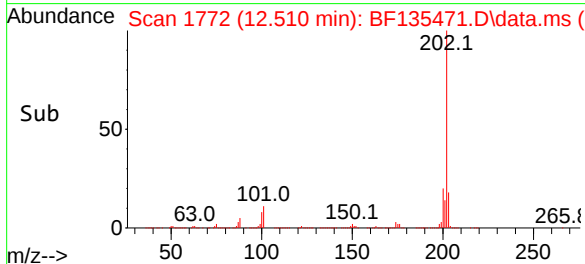
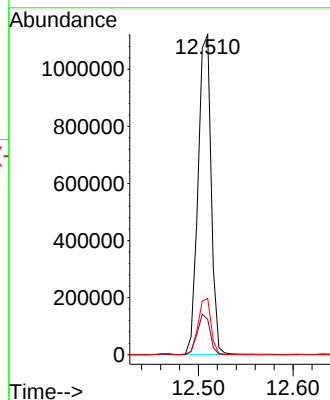
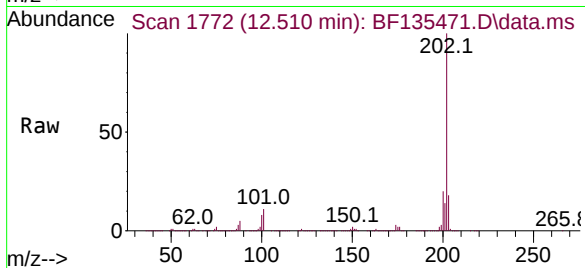
Tgt Ion:202 Resp: 1079889

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.3

203 17.6 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

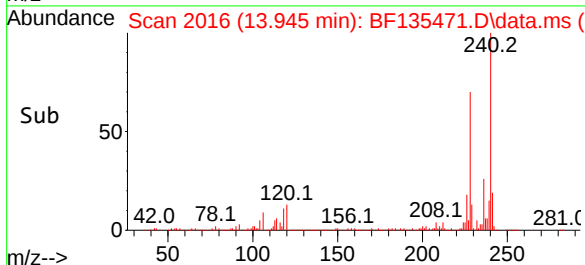
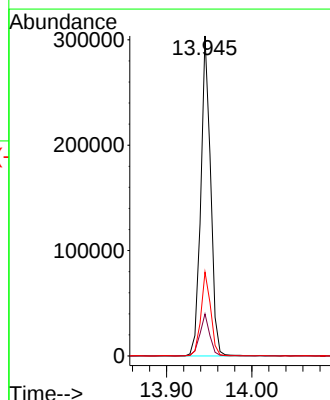
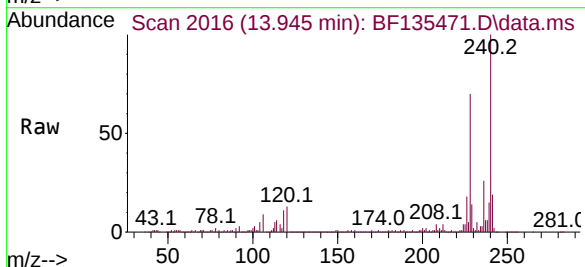
Tgt Ion:240 Resp: 242978

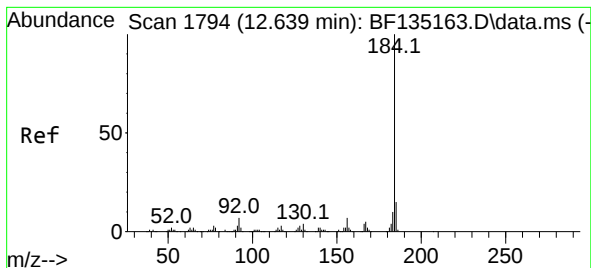
Ion Ratio Lower Upper

240 100

120 13.1 9.4 14.2

236 26.2 19.8 29.8





#77

Benzidine

Concen: 68.580 ng

RT: 12.633 min Scan# 1793

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

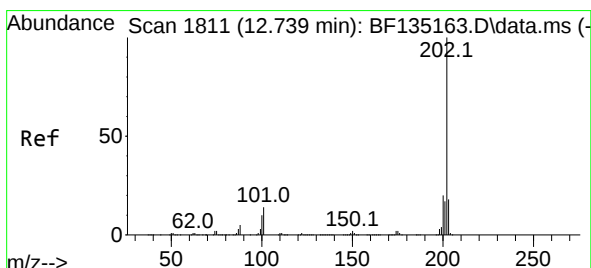
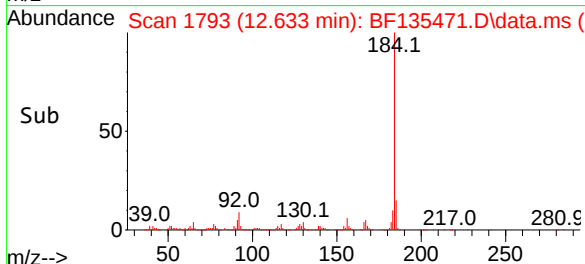
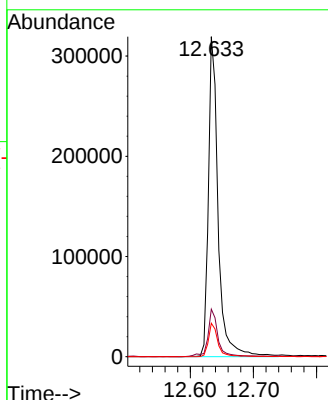
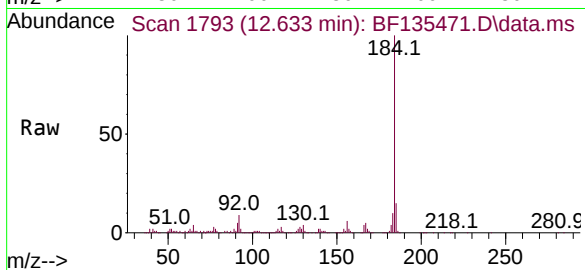
Tgt Ion:184 Resp: 341379

Ion Ratio Lower Upper

184 100

185 14.9 11.7 17.5

183 10.4 8.2 12.4



#78

Pyrene

Concen: 45.145 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

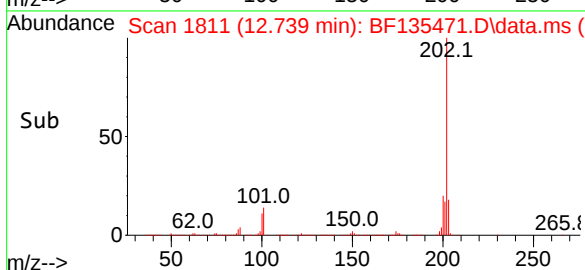
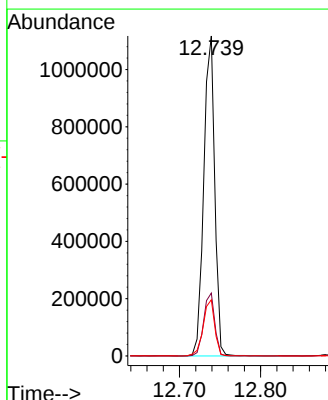
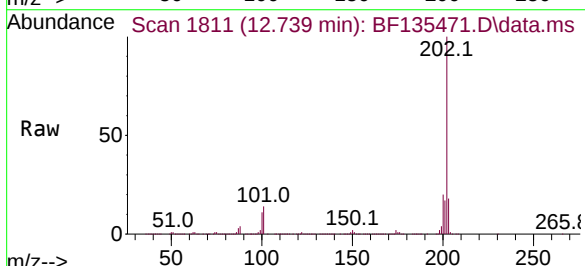
Tgt Ion:202 Resp: 1044355

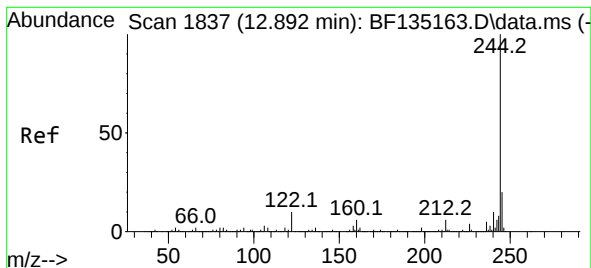
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 70.910 ng

RT: 12.880 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

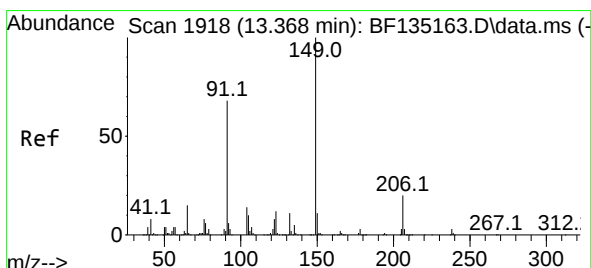
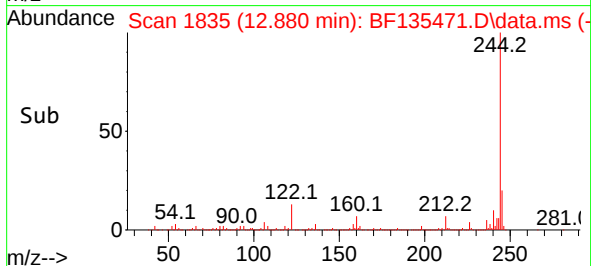
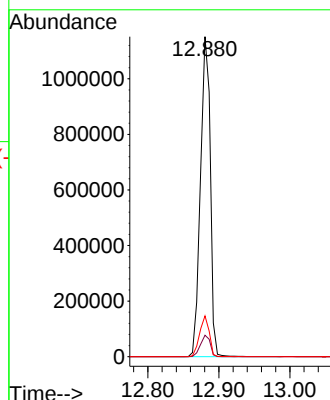
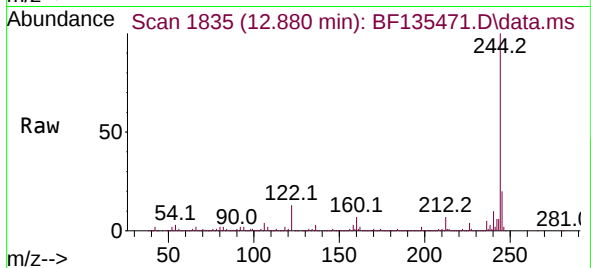
Tgt Ion:244 Resp: 1111440

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 12.8 7.9 11.9#



#80

Butylbenzylphthalate

Concen: 49.909 ng

RT: 13.363 min Scan# 1917

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

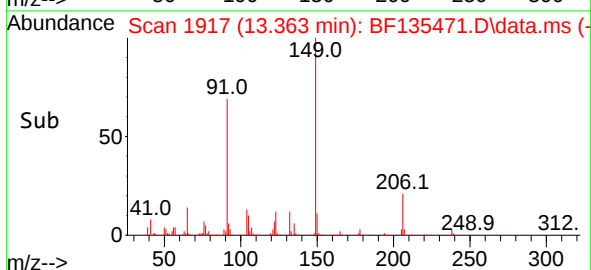
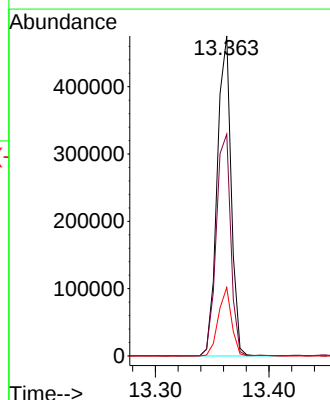
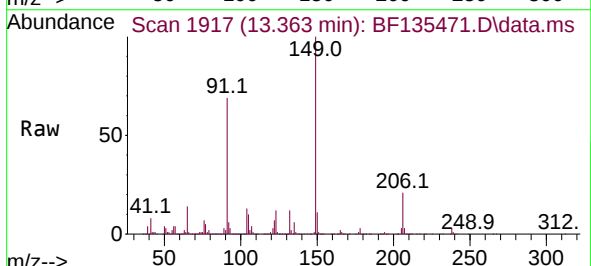
Tgt Ion:149 Resp: 406505

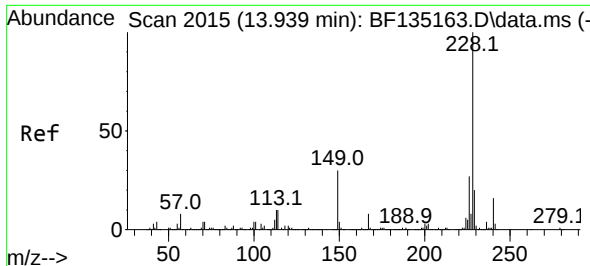
Ion Ratio Lower Upper

149 100

91 69.3 54.7 82.1

206 21.4 16.3 24.5

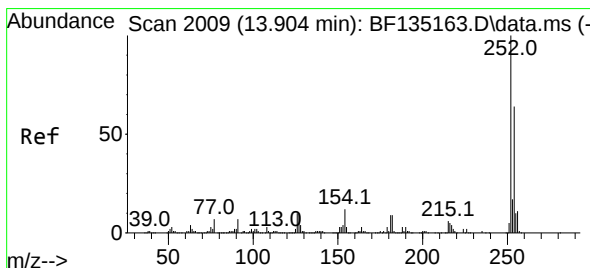
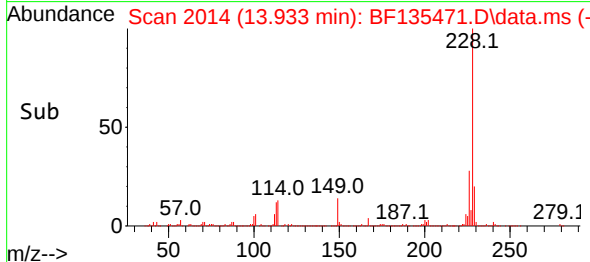
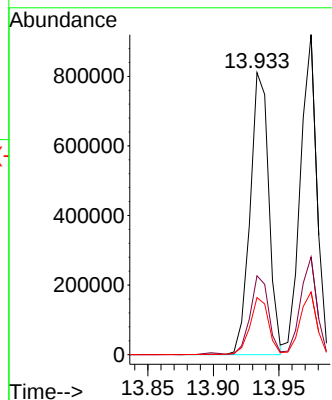
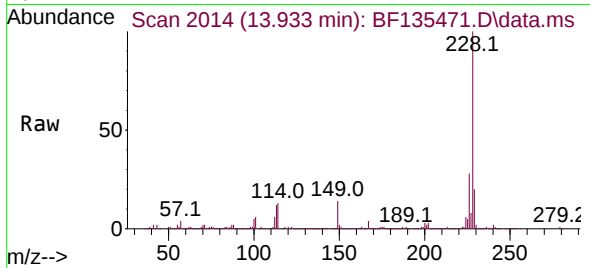




#81  
Benzo(a)anthracene  
Concen: 51.151 ng  
RT: 13.933 min Scan# 2015  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

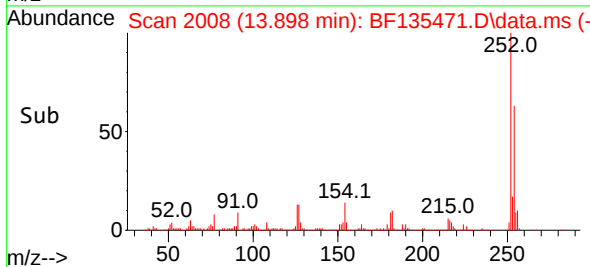
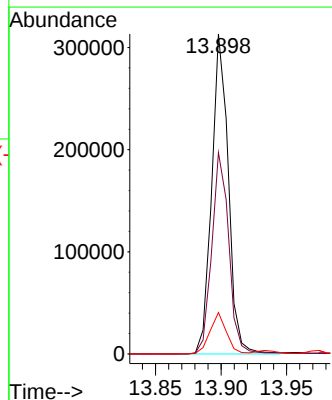
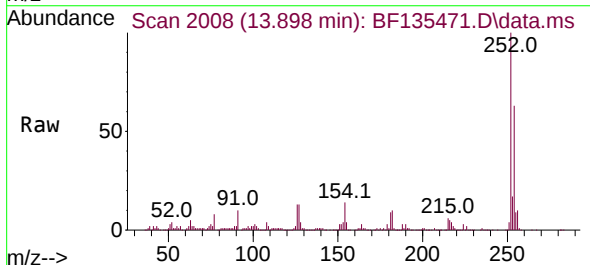
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

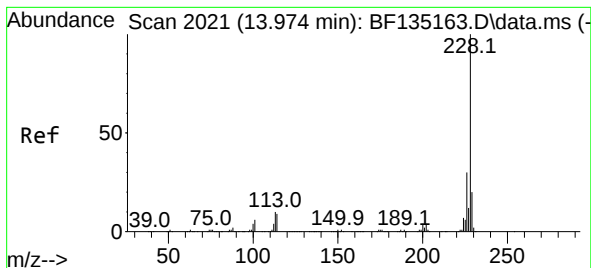
Tgt Ion:228 Resp: 802538  
Ion Ratio Lower Upper  
228 100  
226 28.0 21.7 32.5  
229 20.2 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 56.369 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. 0.000 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:252 Resp: 276250  
Ion Ratio Lower Upper  
252 100  
254 62.9 51.0 76.4  
126 12.9 7.8 11.8#





#83

Chrysene

Concen: 51.041 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

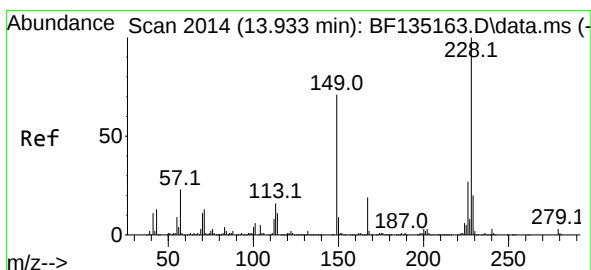
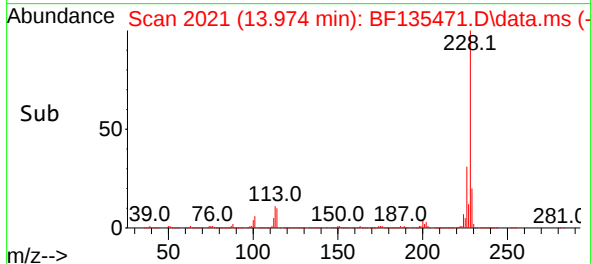
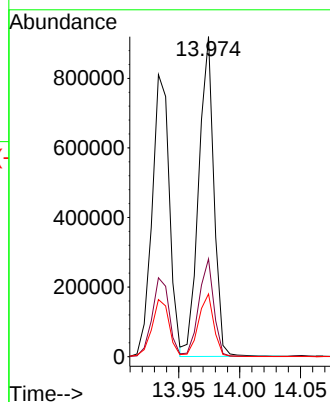
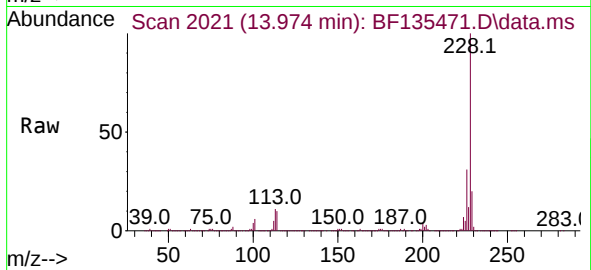
Tgt Ion:228 Resp: 796204

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 19.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.475 ng

RT: 13.922 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

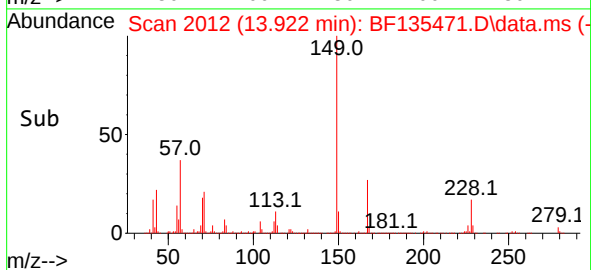
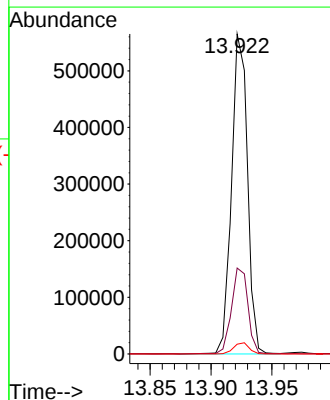
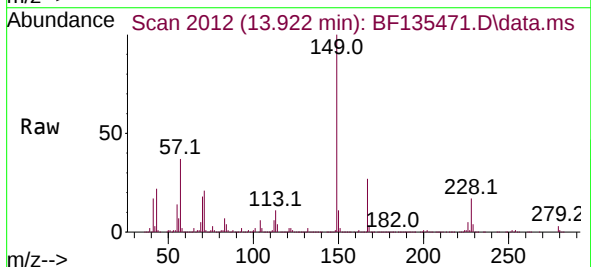
Tgt Ion:149 Resp: 513812

Ion Ratio Lower Upper

149 100

167 26.9 21.9 32.9

279 3.0 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 75.413 ng

RT: 14.545 min Scan# 2118

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

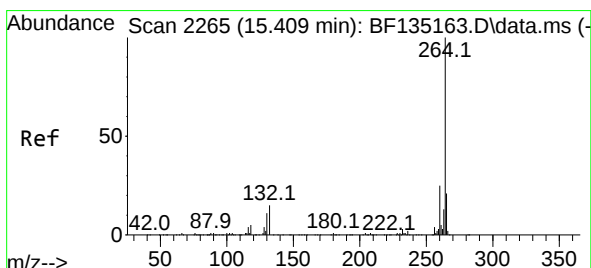
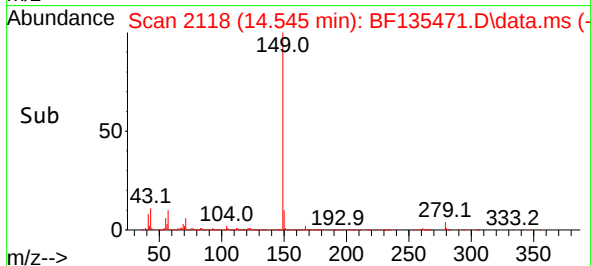
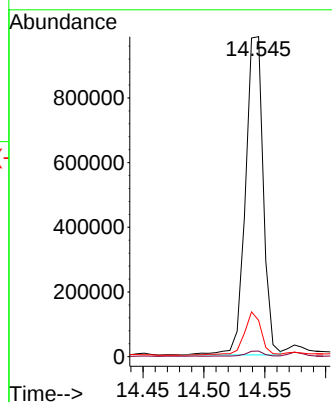
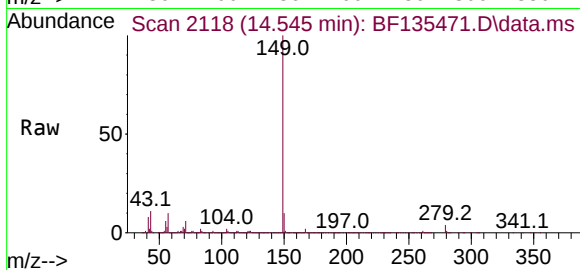
Tgt Ion:149 Resp: 1001680

Ion Ratio Lower Upper

149 100

167 1.8 1.1 1.7#

43 13.3 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2266

Delta R.T. 0.012 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

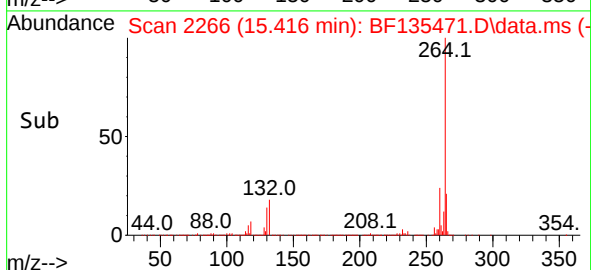
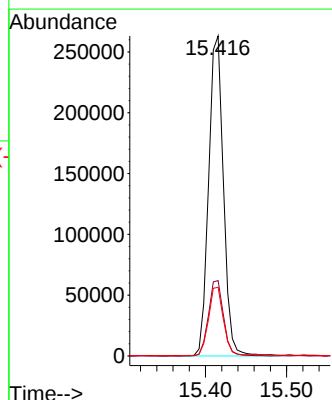
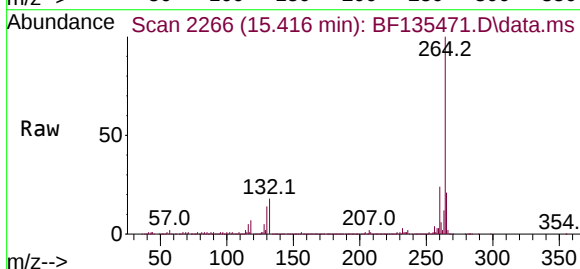
Tgt Ion:264 Resp: 332634

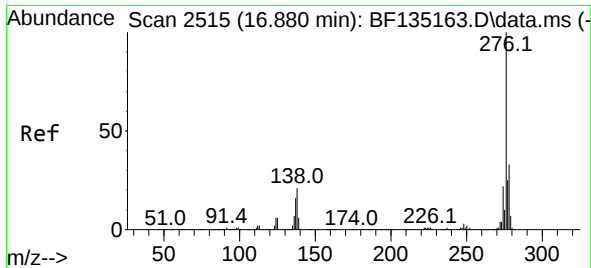
Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 21.5 17.0 25.4

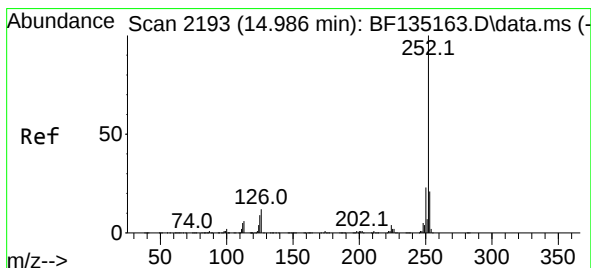
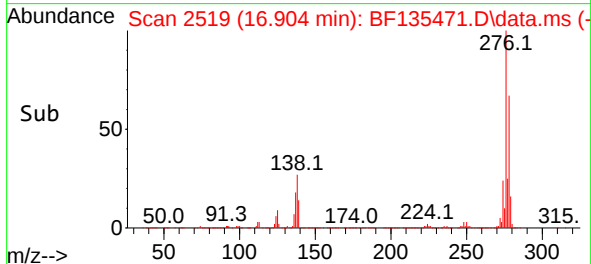
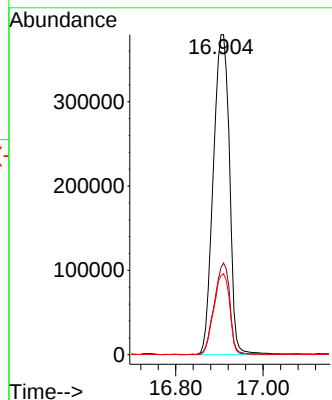
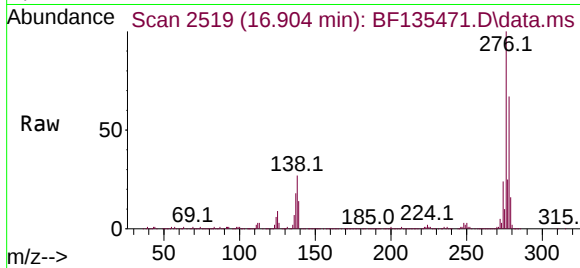




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 44.591 ng  
RT: 16.904 min Scan# 2119  
Delta R.T. 0.018 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

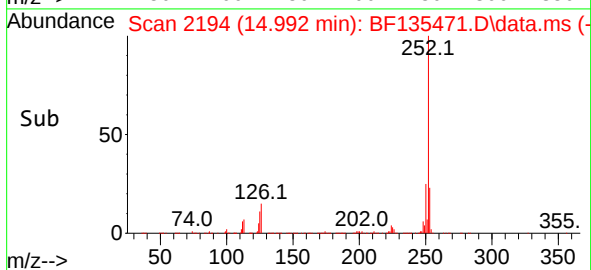
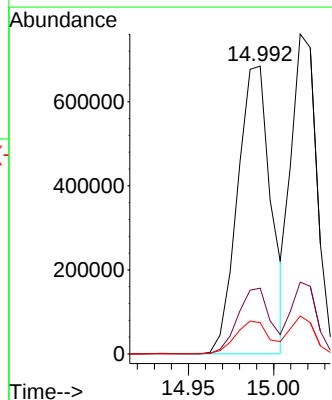
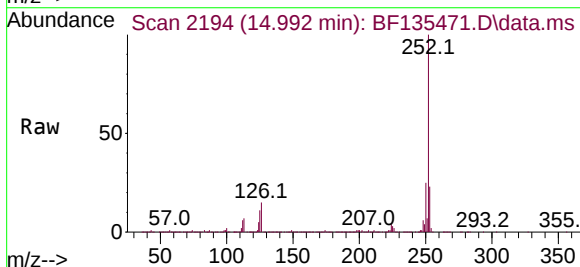
Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

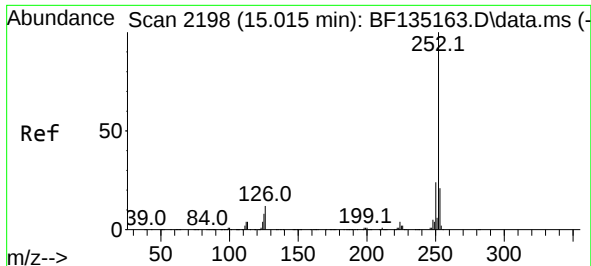
Tgt Ion:276 Resp: 972523  
Ion Ratio Lower Upper  
276 100  
138 27.8 19.2 28.8  
277 24.8 19.7 29.5



#88  
Benzo(b)fluoranthene  
Concen: 51.893 ng  
RT: 14.992 min Scan# 2194  
Delta R.T. 0.012 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:252 Resp: 934424  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.2 25.8  
125 10.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 44.743 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

Instrument :

BNA\_F

ClientSampleId :

72-11976MS

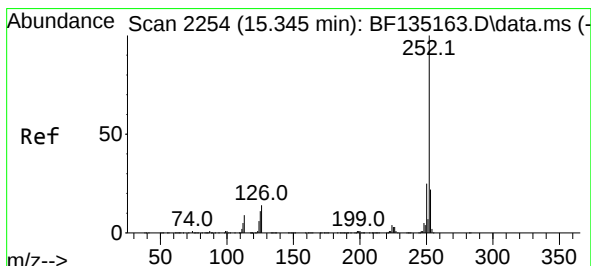
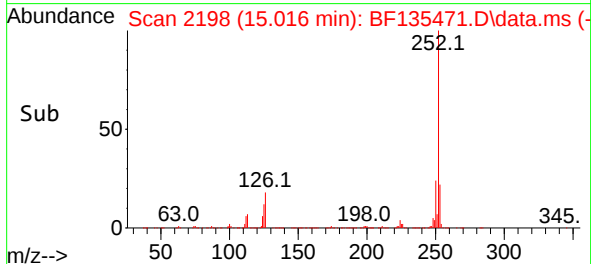
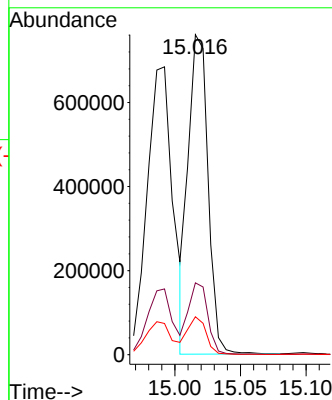
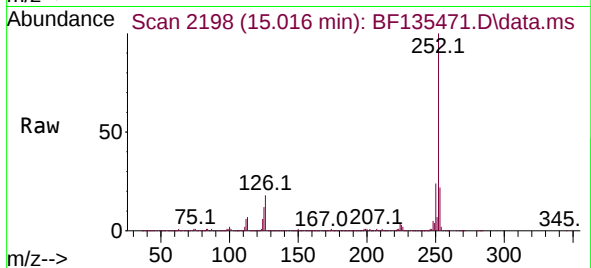
Tgt Ion:252 Resp: 795862

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 11.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 47.821 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF135471.D

Acq: 27 Sep 2023 14:29

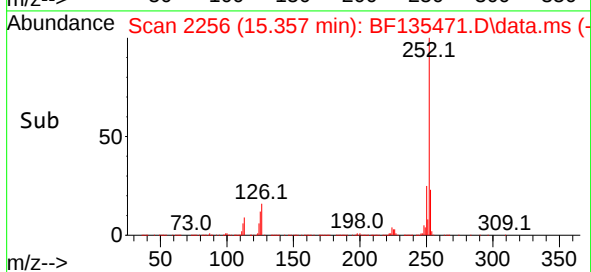
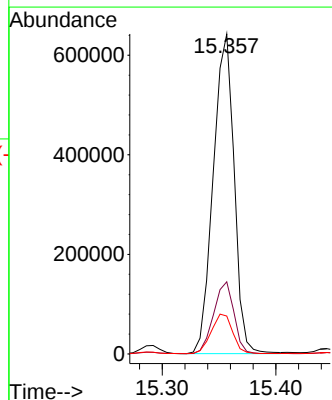
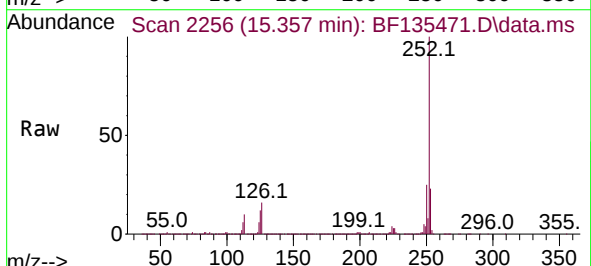
Tgt Ion:252 Resp: 821177

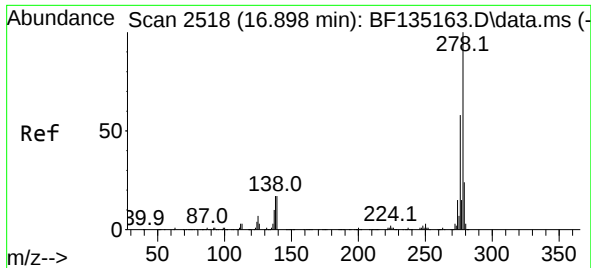
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.8 9.2 13.8

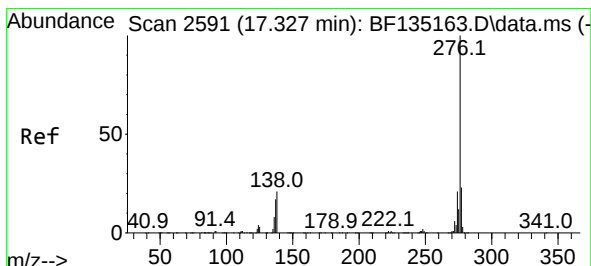
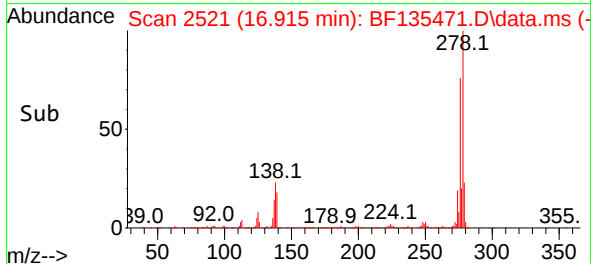
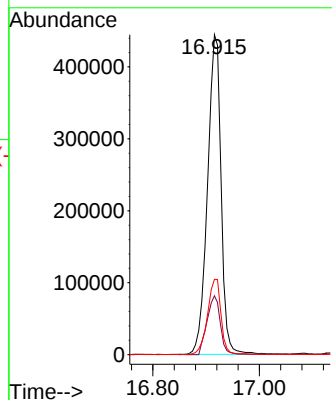
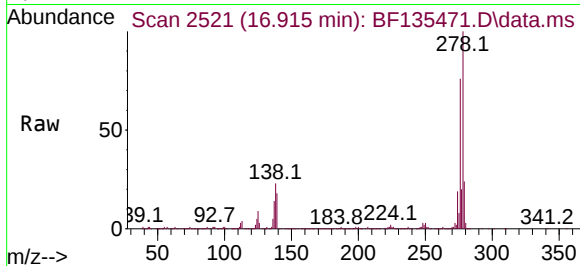




#91  
Dibenzo(a,h)anthracene  
Concen: 44.082 ng  
RT: 16.915 min Scan# 2518  
Delta R.T. 0.018 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Instrument :  
BNA\_F  
ClientSampleId :  
72-11976MS

Tgt Ion:278 Resp: 786645  
Ion Ratio Lower Upper  
278 100  
139 18.4 13.4 20.0  
279 23.5 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 40.722 ng  
RT: 17.351 min Scan# 2595  
Delta R.T. 0.018 min  
Lab File: BF135471.D  
Acq: 27 Sep 2023 14:29

Tgt Ion:276 Resp: 758933  
Ion Ratio Lower Upper  
276 100  
277 24.5 18.8 28.2  
138 25.3 16.9 25.3

