

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101023\  
 Data File : BF135690.D  
 Acq On : 10 Oct 2023 17:58  
 Operator : CG\JU  
 Sample : PB156020BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156020BS

Quant Time: Oct 11 03:00:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 02:43:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 98245    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 375221   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 195389   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.275 | 188  | 375096   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 212409   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 214042   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.381  | 112  | 815506   | 135.007 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.398  | 99   | 982551   | 127.923 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 627940   | 90.921  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.580 | 330  | 266000   | 136.994 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1143930  | 88.330  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.869 | 244  | 1212542  | 88.493  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.516  | 88   | 103239   | 38.987  | ng    | 99       |
| 3) Pyridine                   | 3.275  | 79   | 249338   | 34.986  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.234  | 42   | 175495   | 46.404  | ng    | 93       |
| 6) Aniline                    | 6.410  | 93   | 297687   | 29.556  | ng    | # 19     |
| 8) 2-Chlorophenol             | 6.534  | 128  | 309097   | 47.935  | ng    | 94       |
| 9) Benzaldehyde               | 6.304  | 77   | 60906    | 13.919  | ng    | 99       |
| 10) Phenol                    | 6.410  | 94   | 358780   | 42.599  | ng    | 79       |
| 11) bis(2-Chloroethyl)ether   | 6.481  | 93   | 296082   | 46.866  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.681  | 146  | 304480   | 46.462  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 313609   | 47.037  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.904  | 146  | 289719   | 46.792  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 231353   | 41.975  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 524967   | 44.084  | ng    | 59       |
| 17) 2-Methylphenol            | 7.010  | 107  | 246991   | 43.406  | ng    | # 91     |
| 18) Hexachloroethane          | 7.240  | 117  | 117150   | 47.554  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 202879   | 42.644  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 308497   | 45.086  | ng    | # 76     |
| 22) Acetophenone              | 7.157  | 105  | 402695   | 46.942  | ng    | 94       |
| 24) Nitrobenzene              | 7.328  | 77   | 317897   | 46.570  | ng    | 99       |
| 25) Isophorone                | 7.563  | 82   | 578468   | 45.613  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.645  | 139  | 163080   | 49.776  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.687  | 122  | 236899   | 43.018  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 357676   | 47.121  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.892  | 162  | 253820   | 49.741  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.963  | 180  | 259854   | 48.720  | ng    | 99       |
| 31) Naphthalene               | 8.039  | 128  | 857610   | 47.042  | ng    | 100      |
| 32) Benzoic acid              | 7.845  | 122  | 172381   | 41.570  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.098  | 127  | 235366   | 29.426  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.151  | 225  | 151270   | 47.035  | ng    | 99       |
| 35) Caprolactam               | 8.481  | 113  | 52393    | 30.593  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 276696   | 48.788  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.734  | 142  | 548458   | 44.755  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.834  | 142  | 522936   | 45.578  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.898  | 216  | 262705   | 46.409  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.881  | 237  | 113999   | 48.871  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 166102   | 44.817  | ng    | 98       |

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 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

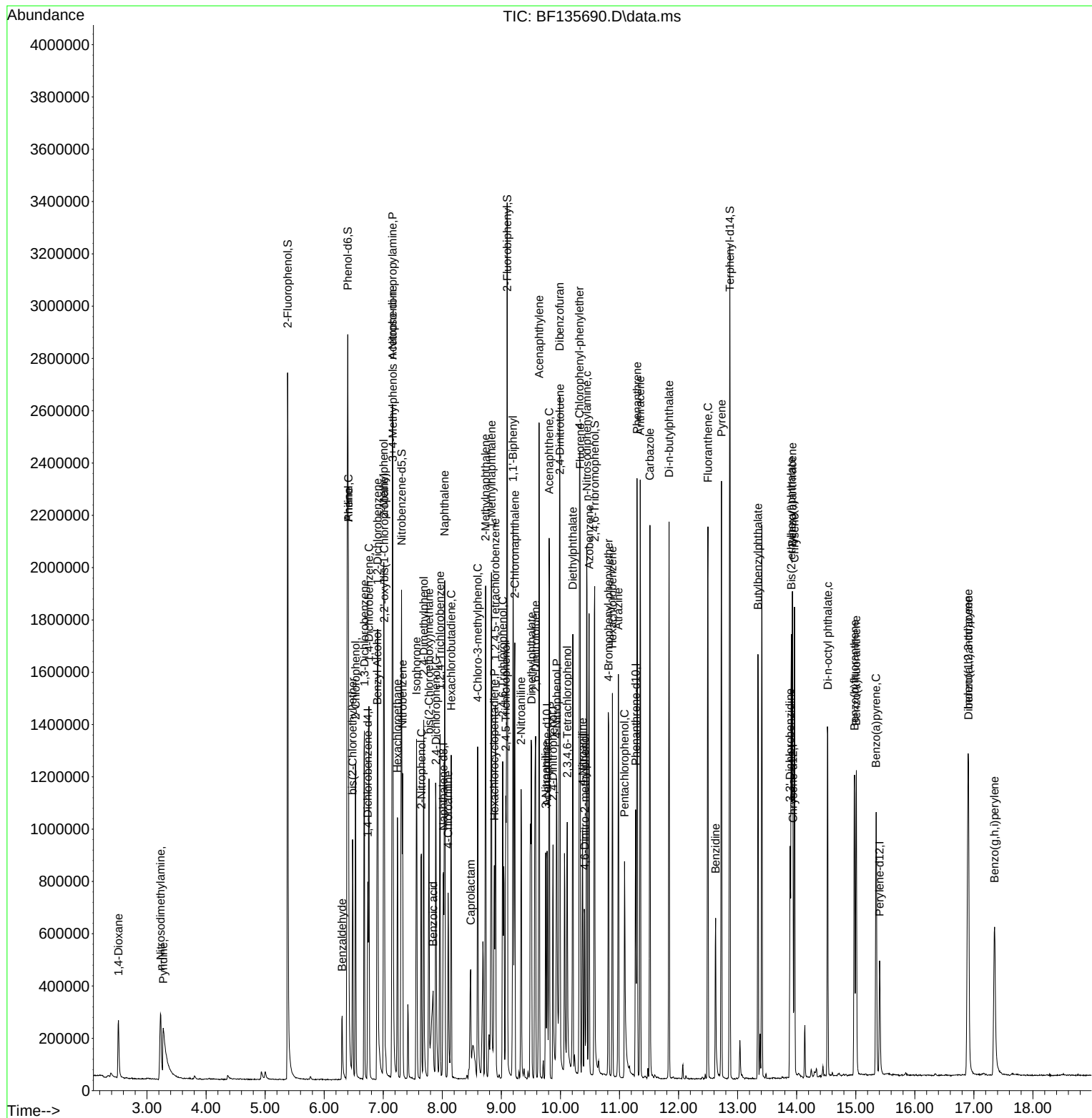
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 BNA\_F  
 ClientSampleId :  
 PB156020BS

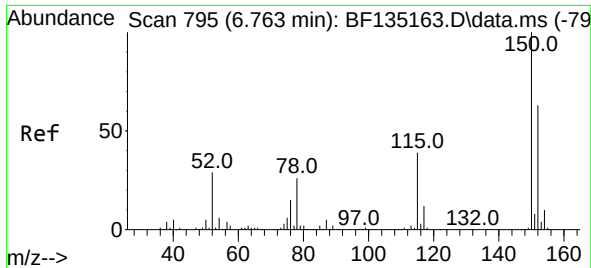
Quant Time: Oct 11 03:00:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 02:43:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 177173   | 41.511 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.198  | 154  | 695023   | 46.287 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.228  | 162  | 522118   | 47.925 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.334  | 65   | 202972   | 47.956 | ng    | 95       |
| 49) Acenaphthylene            | 9.639  | 152  | 854215   | 47.179 | ng    | 100      |
| 50) Dimethylphthalate         | 9.510  | 163  | 614715   | 46.533 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.581  | 165  | 135628   | 46.866 | ng    | 89       |
| 52) Acenaphthene              | 9.810  | 154  | 498102   | 46.569 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.751  | 138  | 117942   | 34.719 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.875  | 184  | 134795   | 81.888 | ng    | 96       |
| 55) Dibenzofuran              | 9.986  | 168  | 735779   | 45.079 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 139307   | 64.525 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 168413   | 46.485 | ng    | # 91     |
| 58) Fluorene                  | 10.333 | 166  | 591151   | 47.112 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 154141   | 46.948 | ng    | 98       |
| 60) Diethylphthalate          | 10.210 | 149  | 624672   | 47.118 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 277920   | 46.109 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.375 | 138  | 147318   | 45.116 | ng    | 98       |
| 63) Azobenzene                | 10.486 | 77   | 600084   | 46.248 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.410 | 198  | 92514    | 46.437 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.445 | 169  | 543774   | 47.885 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 175984   | 47.173 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.880 | 284  | 189974   | 49.985 | ng    | # 89     |
| 69) Atrazine                  | 10.980 | 200  | 171255   | 56.047 | ng    | 100      |
| 70) Pentachlorophenol         | 11.086 | 266  | 144599   | 63.590 | ng    | 99       |
| 71) Phenanthrene              | 11.298 | 178  | 862623   | 48.625 | ng    | 98       |
| 72) Anthracene                | 11.351 | 178  | 876440   | 48.063 | ng    | 99       |
| 73) Carbazole                 | 11.516 | 167  | 829417   | 49.965 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.839 | 149  | 980490   | 50.126 | ng    | 99       |
| 75) Fluoranthene              | 12.498 | 202  | 924763   | 50.027 | ng    | 98       |
| 77) Benzidine                 | 12.627 | 184  | 280860   | 64.542 | ng    | 99       |
| 78) Pyrene                    | 12.727 | 202  | 933284   | 46.150 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.345 | 149  | 366395   | 51.459 | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.927 | 228  | 680119   | 49.586 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.886 | 252  | 193870   | 45.252 | ng    | # 99     |
| 83) Chrysene                  | 13.963 | 228  | 636018   | 46.640 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149  | 442690   | 60.588 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.527 | 149  | 650034   | 55.982 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.904 | 276  | 639212   | 45.547 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.980 | 252  | 570655   | 49.250 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.010 | 252  | 539325   | 47.120 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 512153   | 46.350 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.909 | 278  | 529041   | 46.072 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.351 | 276  | 536864   | 44.767 | ng    | 99       |

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

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QLast Update : Wed Oct 11 02:43:17 2023  
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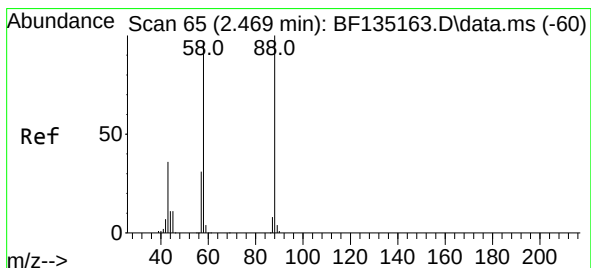
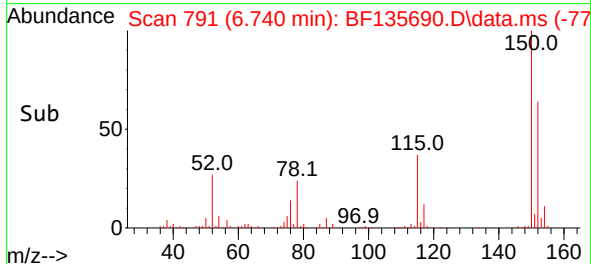
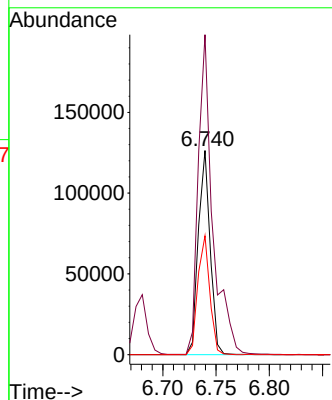
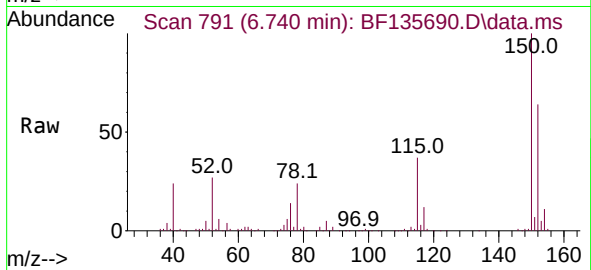




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.740 min Scan# 79  
 Delta R.T. 0.001 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

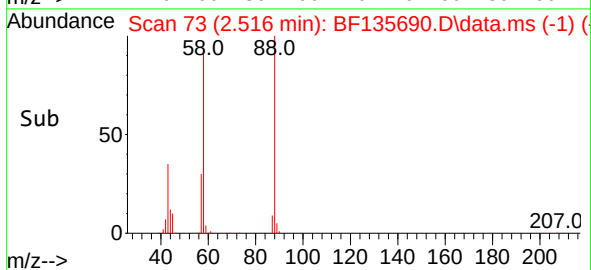
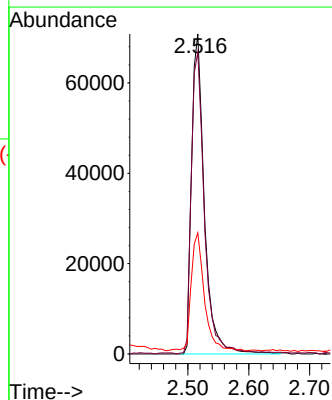
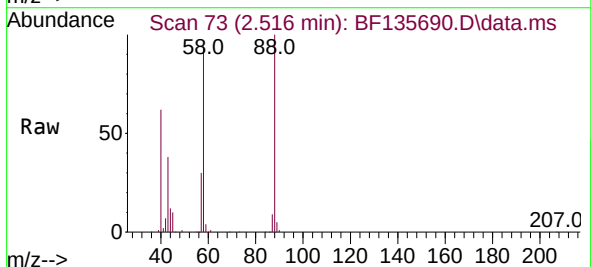
Instrument :  
 BNA\_F  
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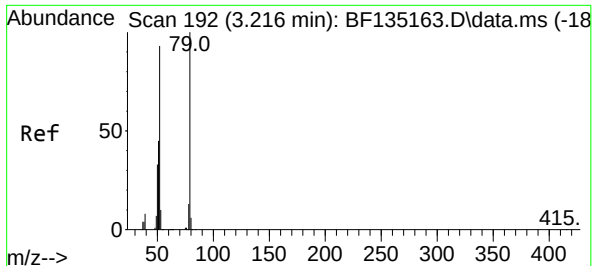
Tgt Ion:152 Resp: 98245  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 127.8 191.6  
 115 58.2 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 38.987 ng  
 RT: 2.516 min Scan# 73  
 Delta R.T. 0.088 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

Tgt Ion: 88 Resp: 103239  
 Ion Ratio Lower Upper  
 88 100  
 58 96.7 78.3 117.5  
 43 37.6 29.4 44.0

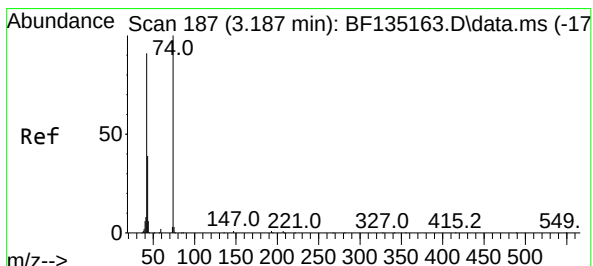
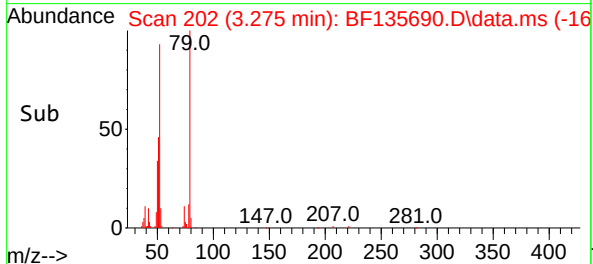
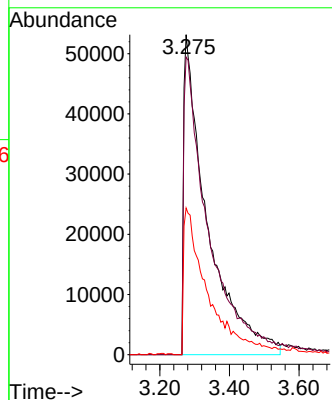
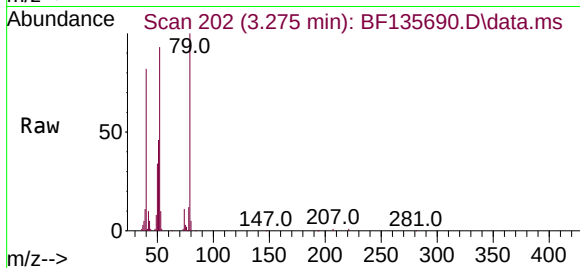




#3  
 Pyridine  
 Concen: 34.986 ng  
 RT: 3.275 min Scan# 20  
 Delta R.T. 0.100 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

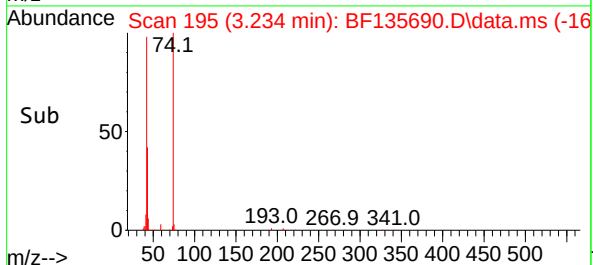
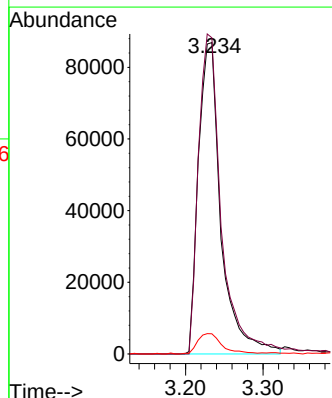
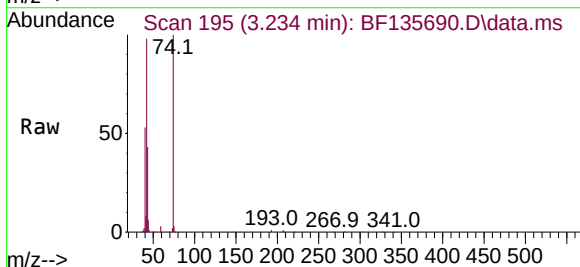
Instrument :  
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 ClientSampleId :  
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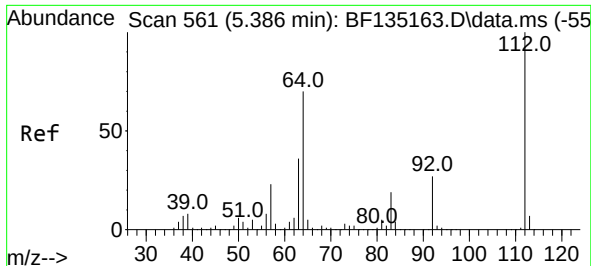
Tgt Ion: 79 Resp: 249338  
 Ion Ratio Lower Upper  
 79 100  
 52 93.0 74.1 111.1  
 51 45.9 35.8 53.8



#4  
 n-Nitrosodimethylamine  
 Concen: 46.404 ng  
 RT: 3.234 min Scan# 195  
 Delta R.T. 0.082 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

Tgt Ion: 42 Resp: 175495  
 Ion Ratio Lower Upper  
 42 100  
 74 101.5 87.7 131.5  
 44 6.5 5.6 8.4

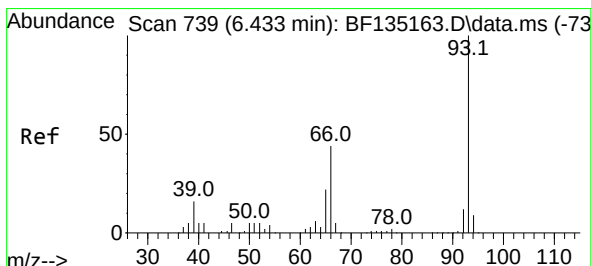
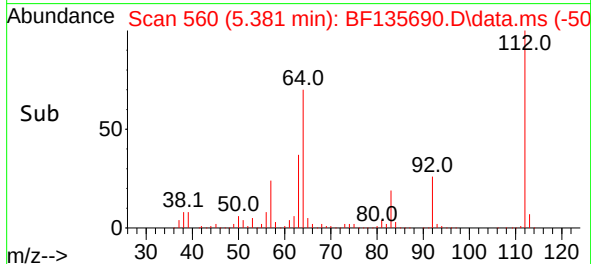
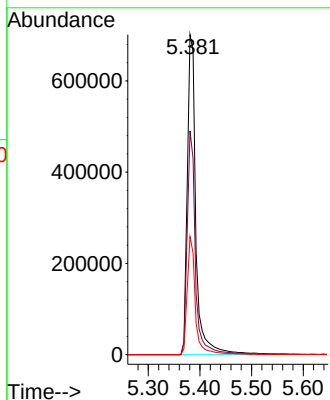
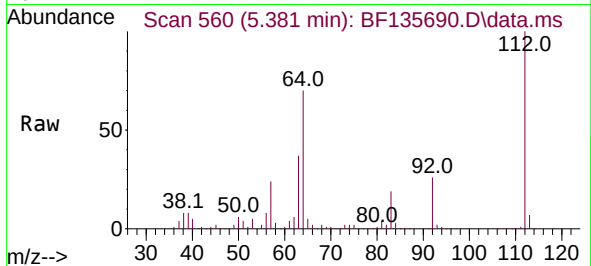




#5  
2-Fluorophenol  
Concen: 135.007 ng  
RT: 5.381 min Scan# 501  
Delta R.T. 0.012 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

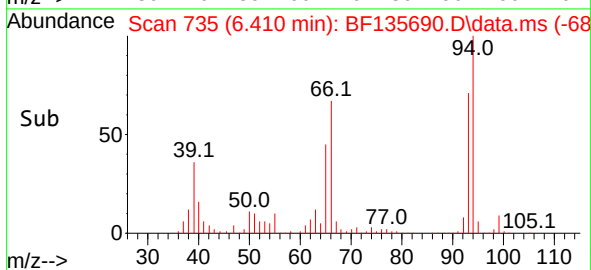
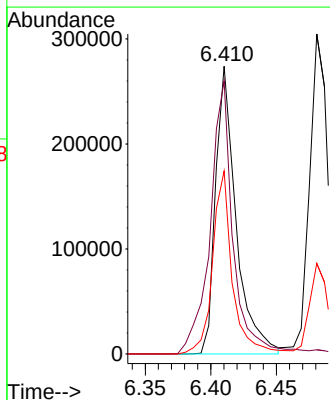
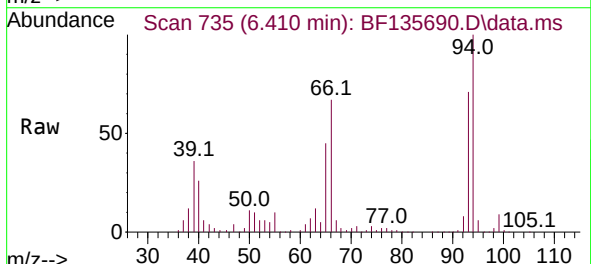
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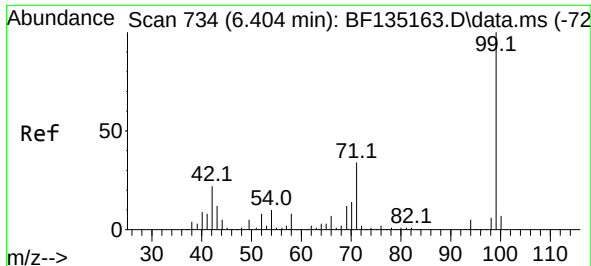
Tgt Ion:112 Resp: 815506  
Ion Ratio Lower Upper  
112 100  
64 69.9 55.9 83.9  
63 36.9 29.0 43.6



#6  
Aniline  
Concen: 29.556 ng  
RT: 6.410 min Scan# 735  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion: 93 Resp: 297687  
Ion Ratio Lower Upper  
93 100  
66 94.9 35.4 53.0#  
65 63.5 17.8 26.8#

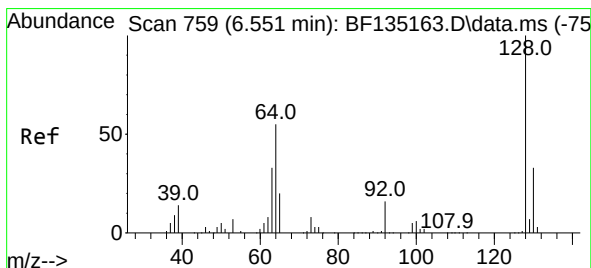
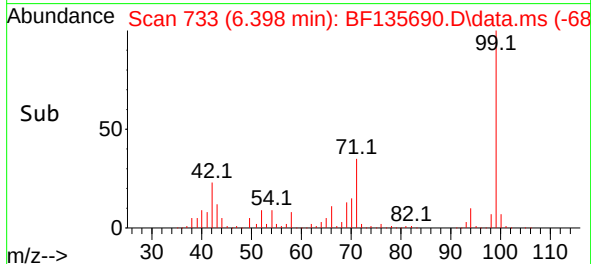
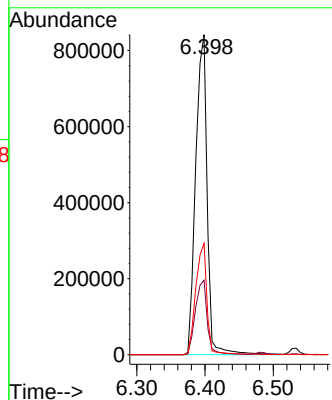
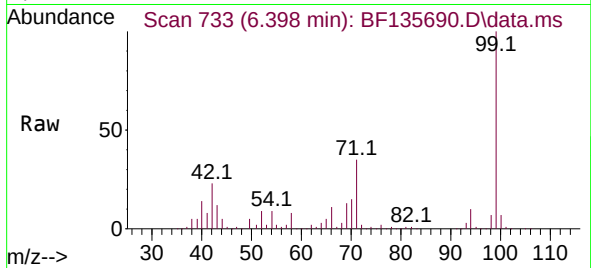




#7  
Phenol-d6  
Concen: 127.923 ng  
RT: 6.398 min Scan# 711  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

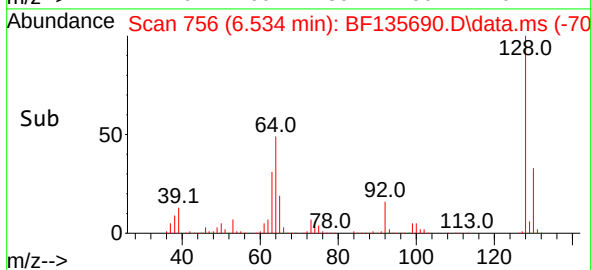
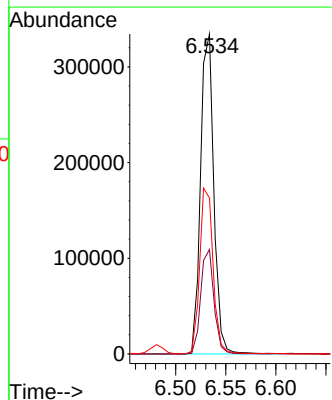
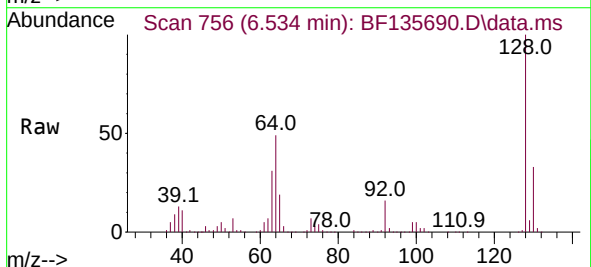
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ClientSampleId :  
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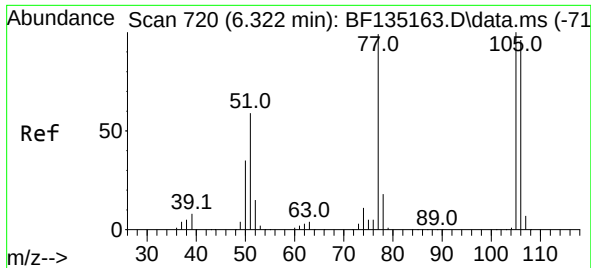
Tgt Ion: 99 Resp: 982551  
Ion Ratio Lower Upper  
99 100  
42 23.3 17.9 26.9  
71 34.7 27.0 40.6



#8  
2-Chlorophenol  
Concen: 47.935 ng  
RT: 6.534 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:128 Resp: 309097  
Ion Ratio Lower Upper  
128 100  
130 32.7 12.7 52.7  
64 48.7 35.9 75.9





#9

Benzaldehyde

Concen: 13.919 ng

RT: 6.304 min Scan# 717

Delta R.T. 0.006 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

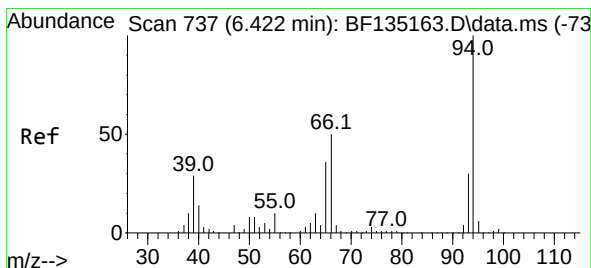
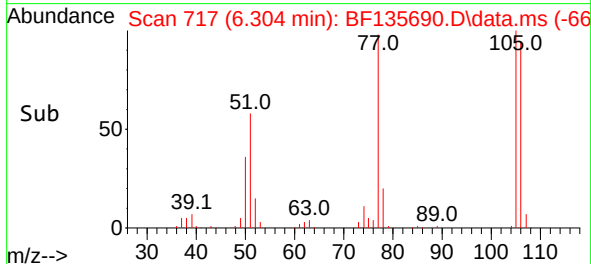
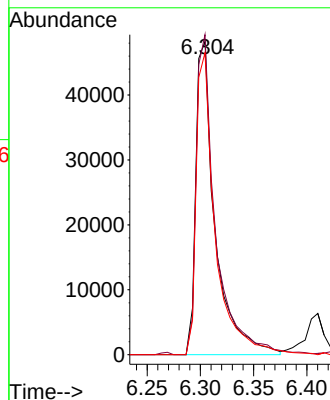
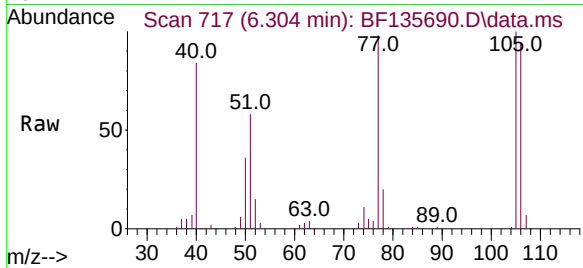
Tgt Ion: 77 Resp: 60906

Ion Ratio Lower Upper

77 100

105 102.2 81.4 121.4

106 96.5 76.9 116.9



#10

Phenol

Concen: 42.599 ng

RT: 6.410 min Scan# 735

Delta R.T. 0.006 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

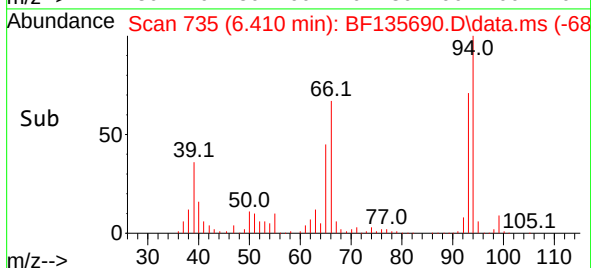
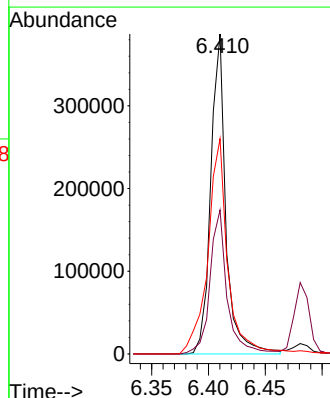
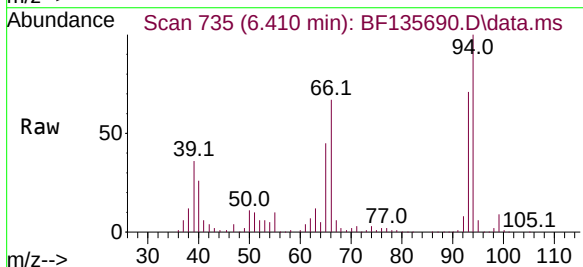
Tgt Ion: 94 Resp: 358780

Ion Ratio Lower Upper

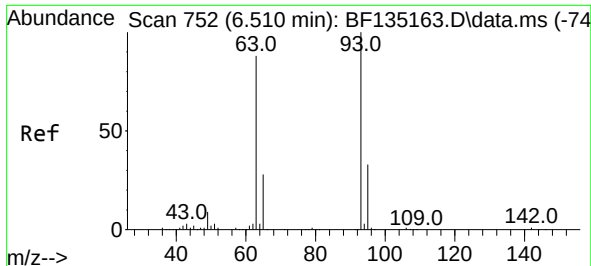
94 100

65 45.0 15.9 55.9

66 67.2 29.8 69.8



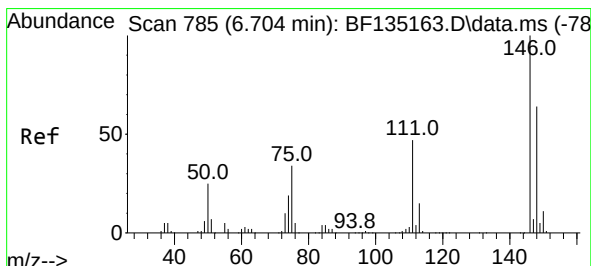
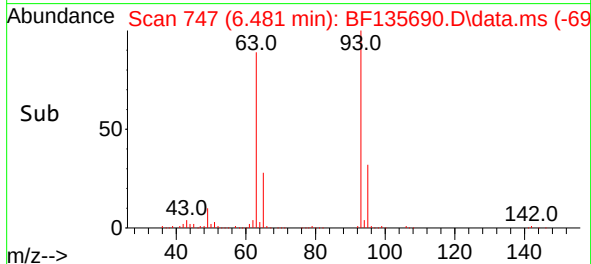
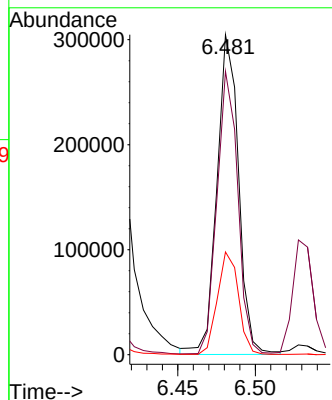
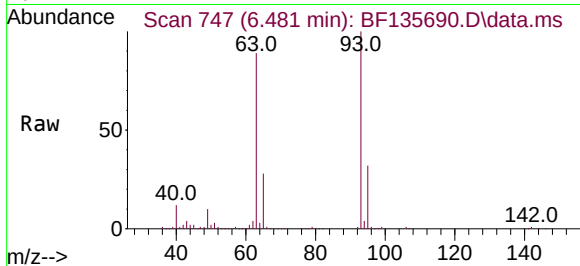




#11  
bis(2-Chloroethyl)ether  
Concen: 46.866 ng  
RT: 6.481 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

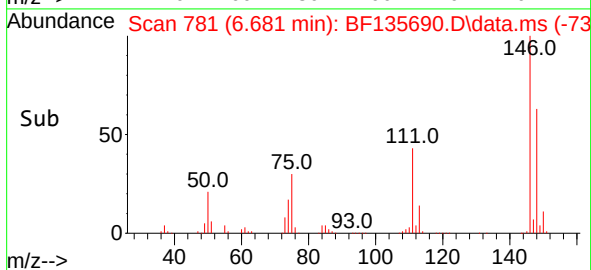
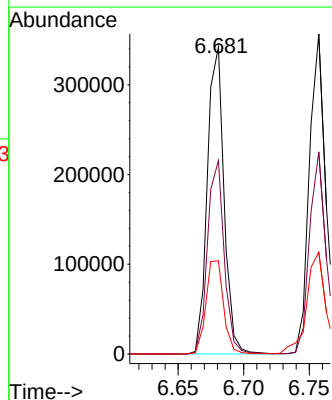
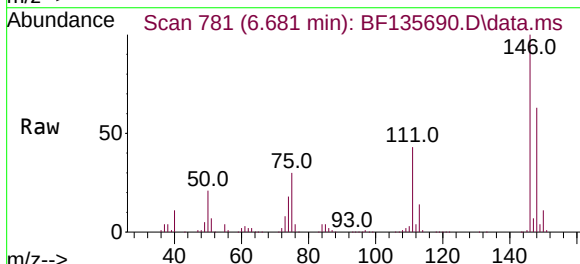
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

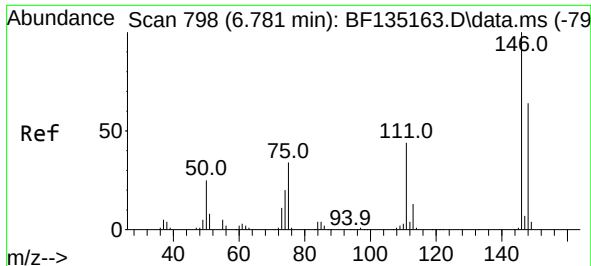
Tgt Ion: 93 Resp: 296082  
Ion Ratio Lower Upper  
93 100  
63 88.5 67.3 107.3  
95 32.1 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 46.462 ng  
RT: 6.681 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:146 Resp: 304480  
Ion Ratio Lower Upper  
146 100  
148 63.0 51.3 76.9  
75 30.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 47.037 ng

RT: 6.757 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

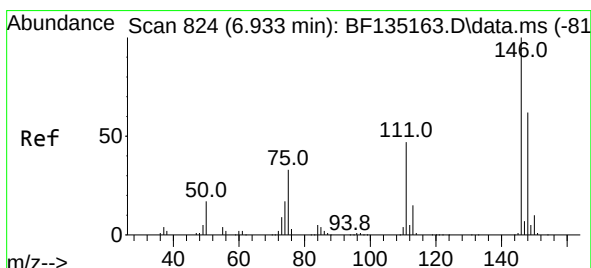
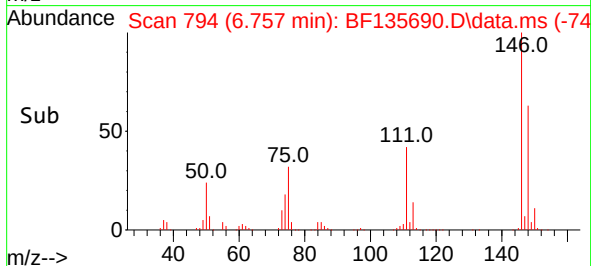
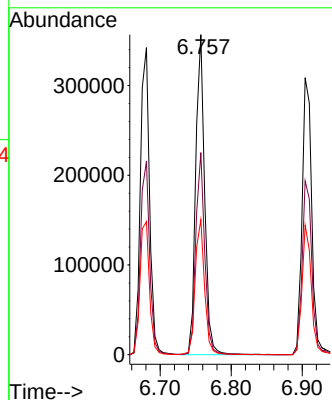
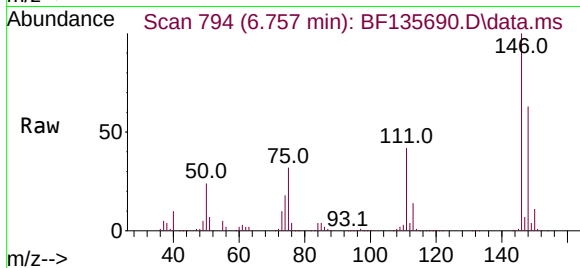
Tgt Ion:146 Resp: 313609

Ion Ratio Lower Upper

146 100

148 63.2 51.3 76.9

111 42.2 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 46.792 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

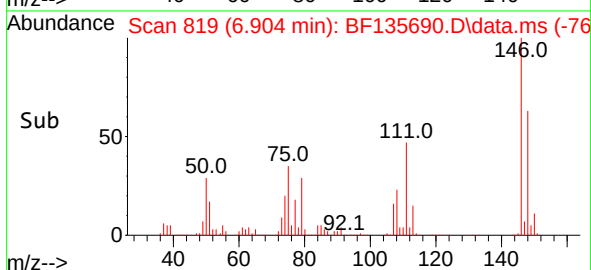
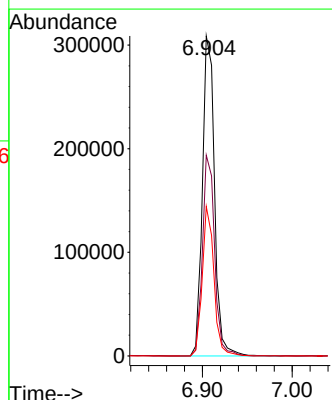
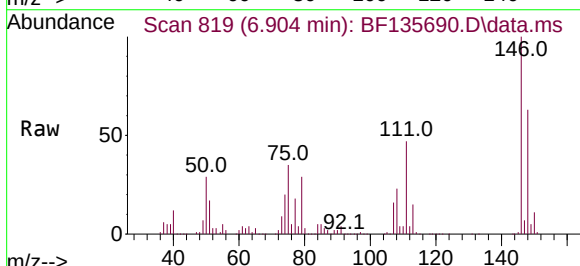
Tgt Ion:146 Resp: 289719

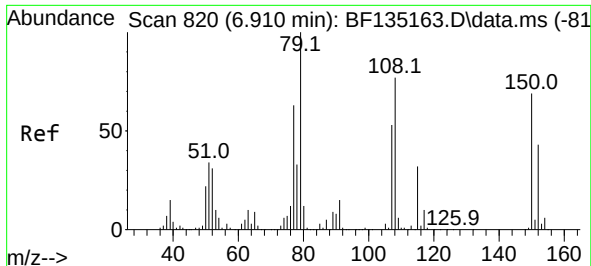
Ion Ratio Lower Upper

146 100

148 62.7 49.7 74.5

111 46.7 37.4 56.2

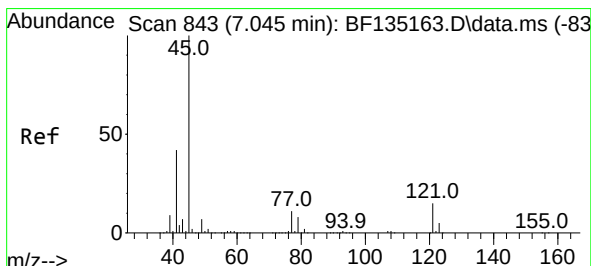
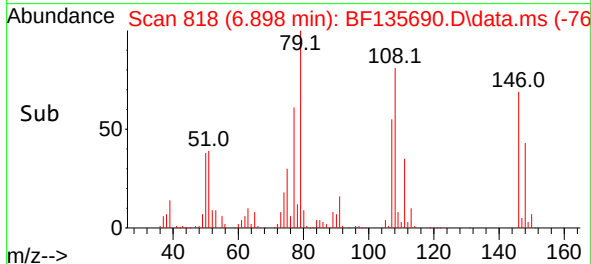
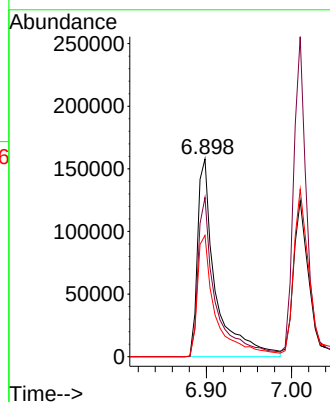
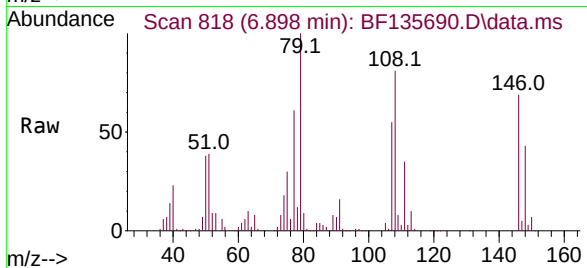




#15  
Benzyl Alcohol  
Concen: 41.975 ng  
RT: 6.898 min Scan# 818  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

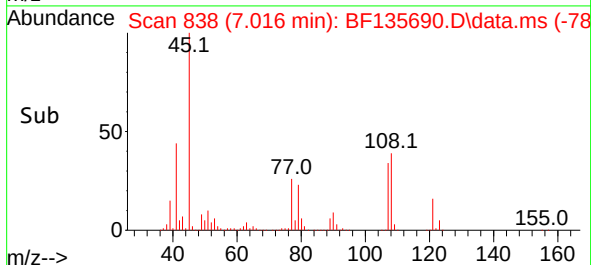
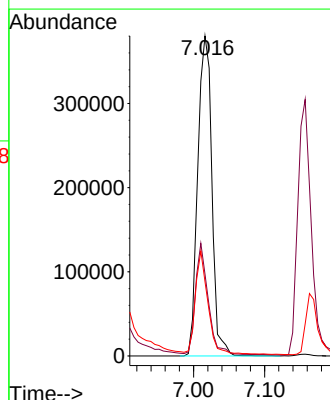
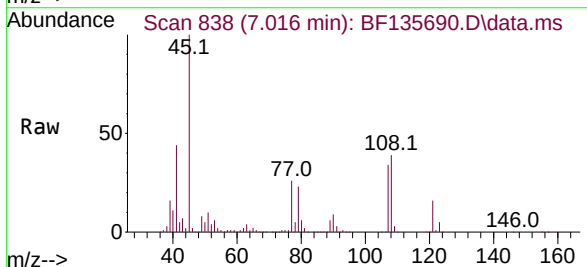
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

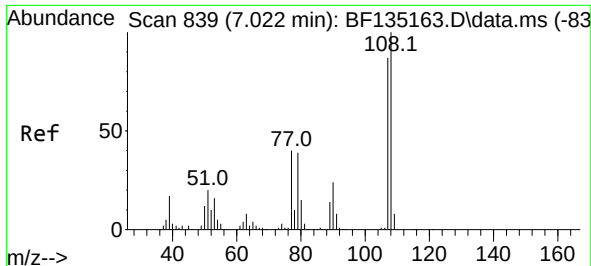
Tgt Ion: 79 Resp: 231353  
Ion Ratio Lower Upper  
79 100  
108 80.5 61.2 91.8  
77 61.4 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.084 ng  
RT: 7.016 min Scan# 838  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

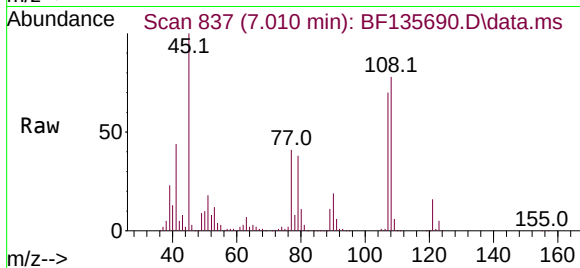
Tgt Ion: 45 Resp: 524967  
Ion Ratio Lower Upper  
45 100  
77 25.6 0.0 30.6  
79 23.2 0.0 28.3



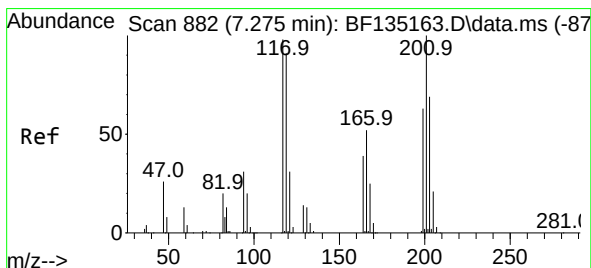
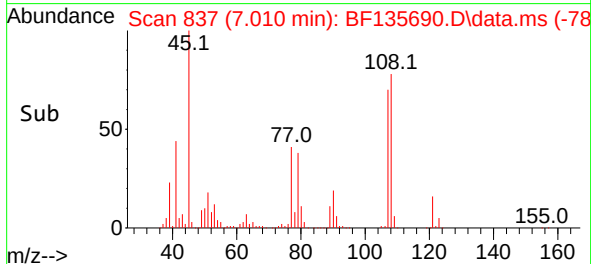
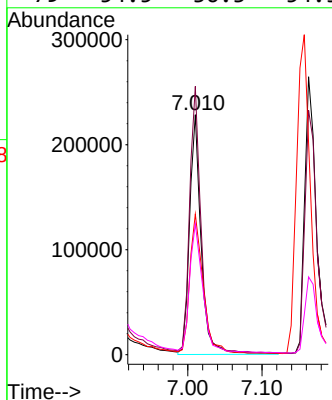


#17  
2-Methylphenol  
Concen: 43.406 ng  
RT: 7.010 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

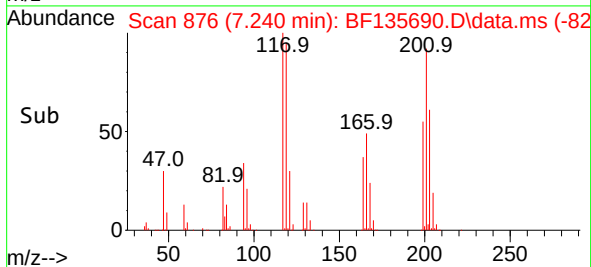
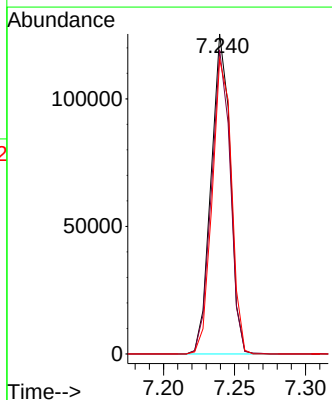
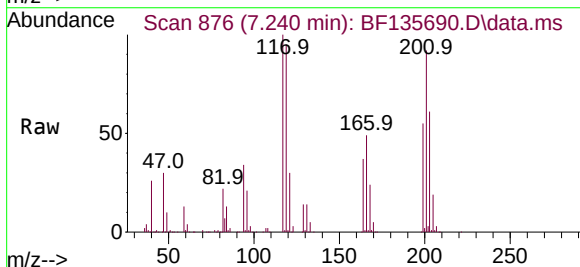


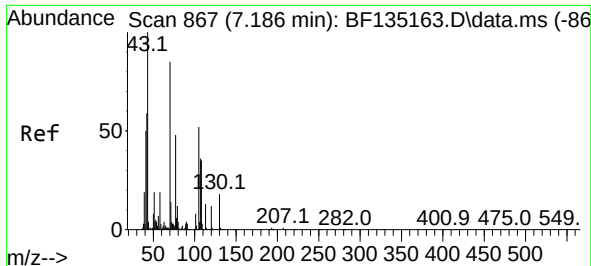
Tgt Ion:107 Resp: 246991  
Ion Ratio Lower Upper  
107 100  
108 111.8 92.0 138.0  
77 58.5 36.7 55.1#  
79 54.5 36.3 54.5#



#18  
Hexachloroethane  
Concen: 47.554 ng  
RT: 7.240 min Scan# 876  
Delta R.T. -0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:117 Resp: 117150  
Ion Ratio Lower Upper  
117 100  
119 95.0 74.7 112.1  
201 92.1 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 42.644 ng

RT: 7.157 min Scan# 8

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

Tgt Ion: 70 Resp: 202879

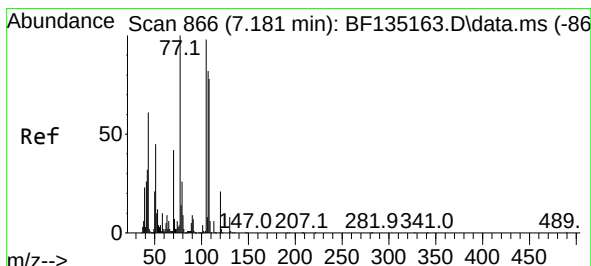
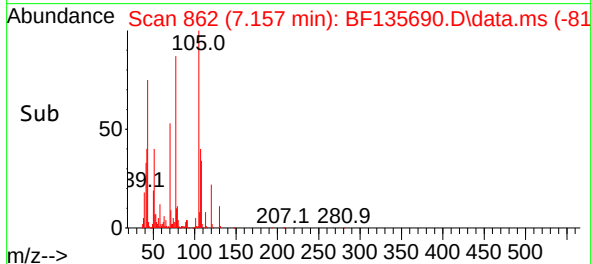
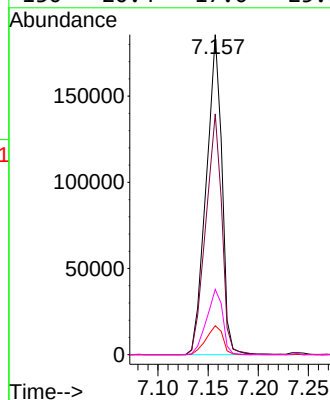
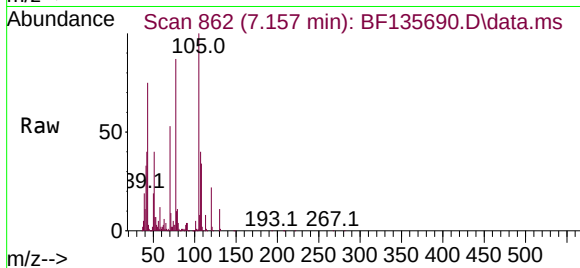
Ion Ratio Lower Upper

70 100

42 75.2 55.4 83.0

101 9.0 7.7 11.5

130 20.4 17.0 25.6



#20

3+4-Methylphenols

Concen: 45.086 ng

RT: 7.163 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Tgt Ion:107 Resp: 308497

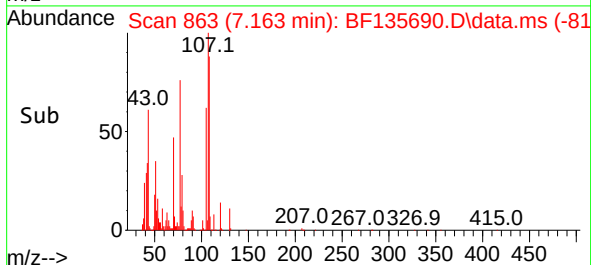
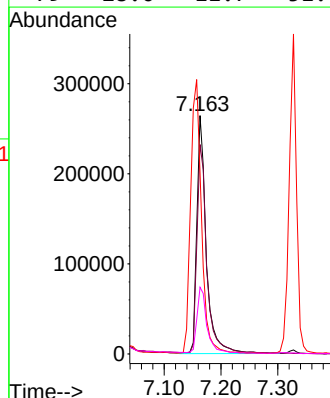
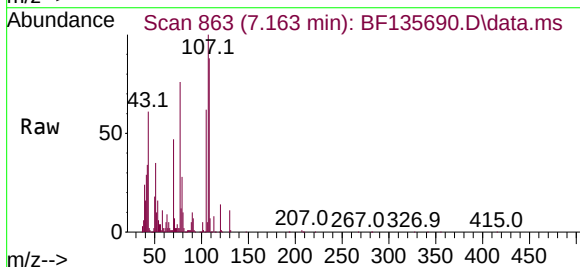
Ion Ratio Lower Upper

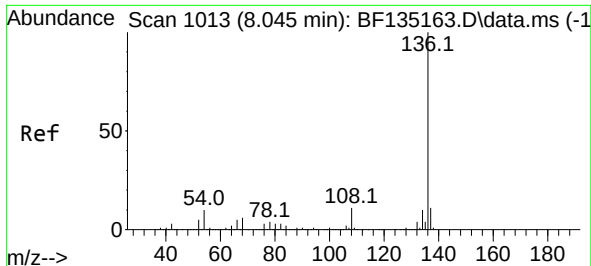
107 100

108 87.9 74.7 114.7

77 76.0 102.0 142.0#

79 28.0 11.7 51.7

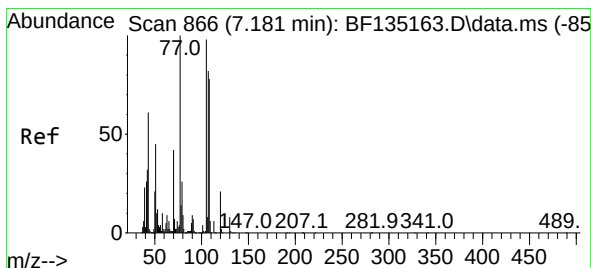
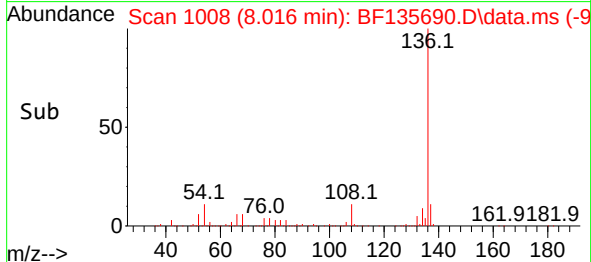
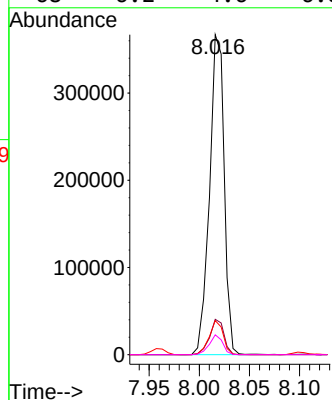
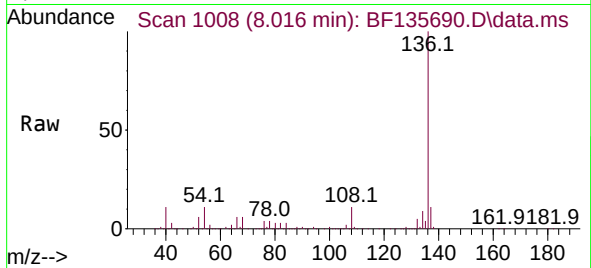




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

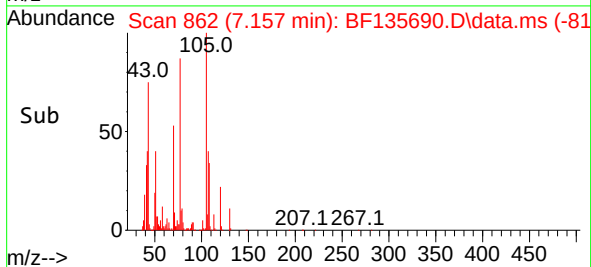
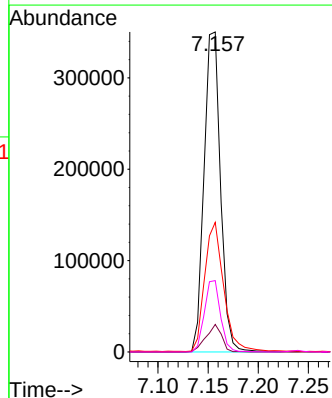
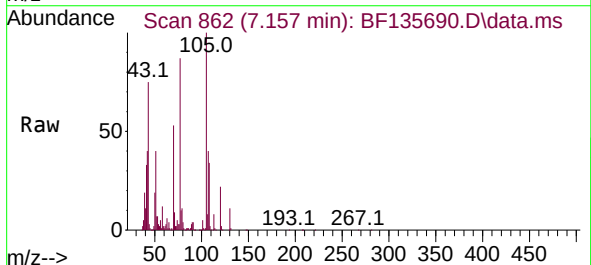
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

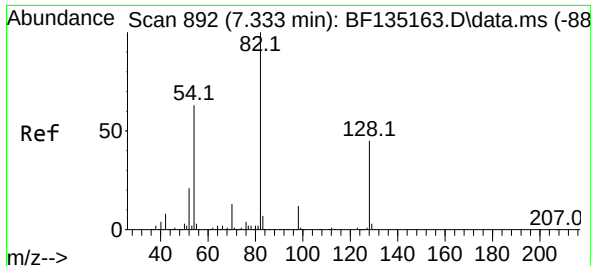
Tgt Ion:136 Resp: 375221  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 10.6 7.7 11.5  
68 6.2 4.6 6.8



#22  
Acetophenone  
Concen: 46.942 ng  
RT: 7.157 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:105 Resp: 402695  
Ion Ratio Lower Upper  
105 100  
71 8.6 5.8 8.6  
51 40.5 37.0 55.4  
120 22.3 17.0 25.6





#23

Nitrobenzene-d5

Concen: 90.921 ng

RT: 7.310 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

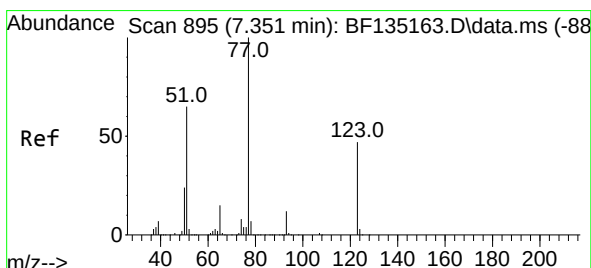
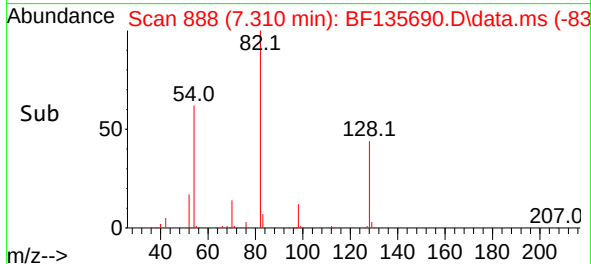
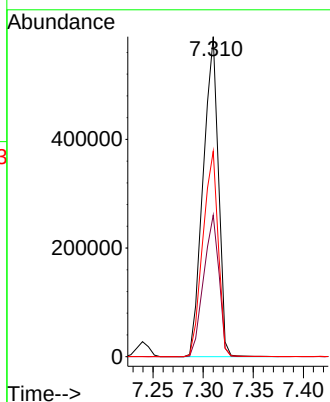
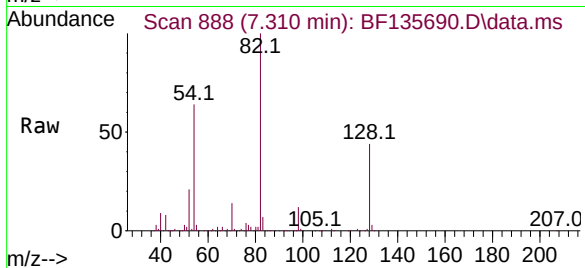
Tgt Ion: 82 Resp: 627940

Ion Ratio Lower Upper

82 100

128 44.2 35.8 53.6

54 64.2 50.6 76.0



#24

Nitrobenzene

Concen: 46.570 ng

RT: 7.328 min Scan# 891

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

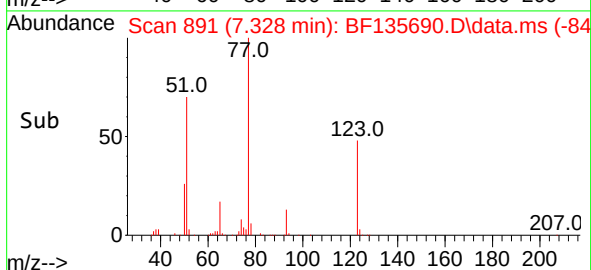
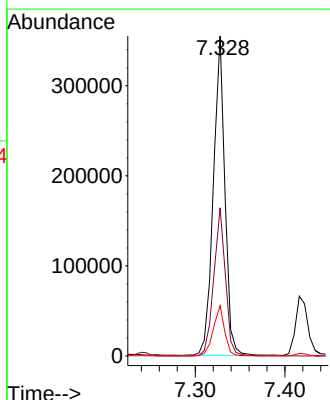
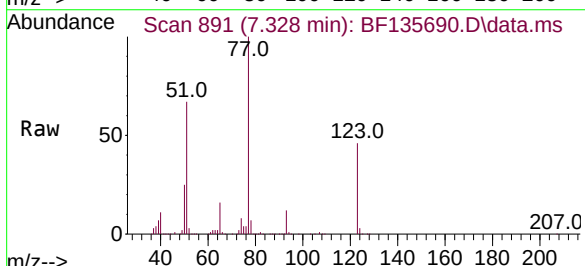
Tgt Ion: 77 Resp: 317897

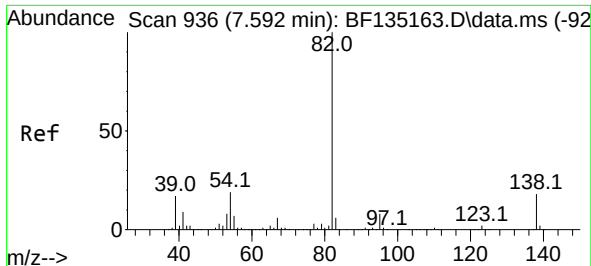
Ion Ratio Lower Upper

77 100

123 46.3 37.6 56.4

65 15.7 12.2 18.4

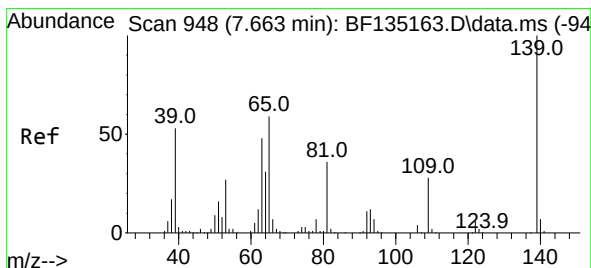
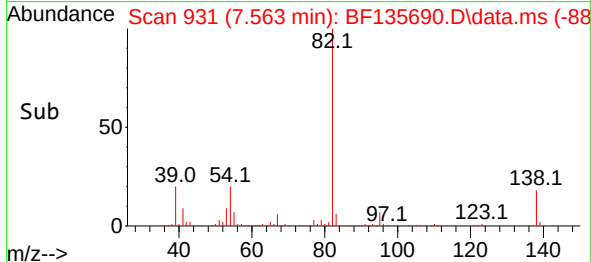
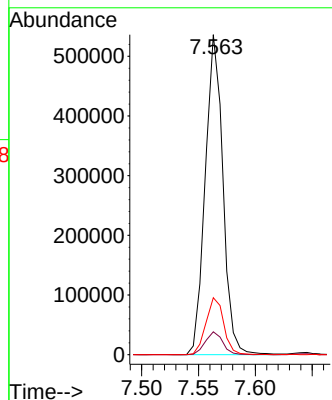
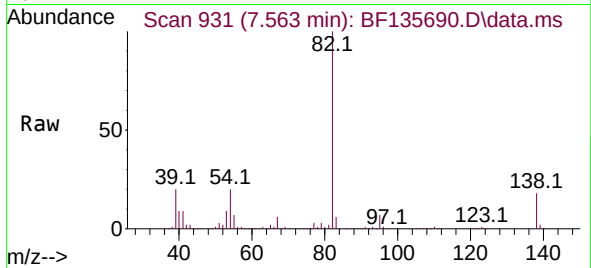




#25  
Isophorone  
Concen: 45.613 ng  
RT: 7.563 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

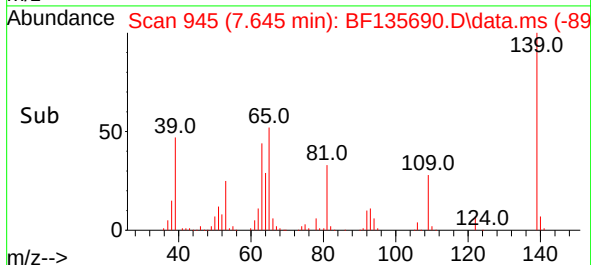
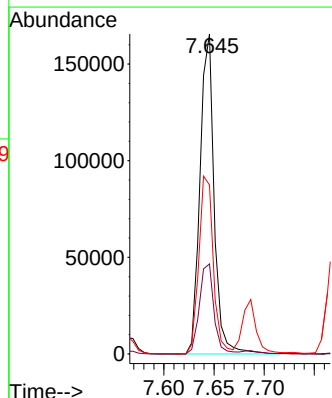
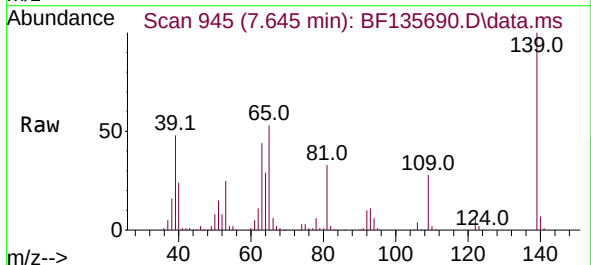
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

Tgt Ion: 82 Resp: 578468  
Ion Ratio Lower Upper  
82 100  
95 7.1 6.0 9.0  
138 17.8 14.5 21.7

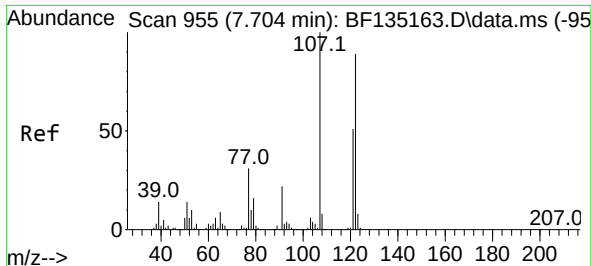


#26  
2-Nitrophenol  
Concen: 49.776 ng  
RT: 7.645 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion: 139 Resp: 163080  
Ion Ratio Lower Upper  
139 100  
109 28.1 22.6 33.8  
65 52.8 47.0 70.4







#27

2,4-Dimethylphenol

Concen: 43.018 ng

RT: 7.687 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

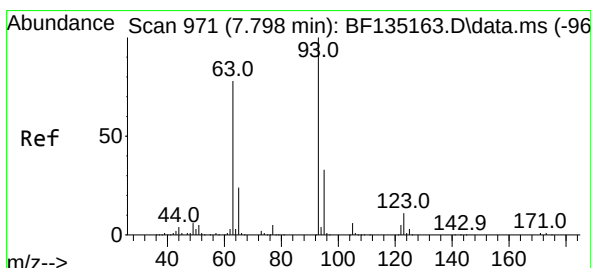
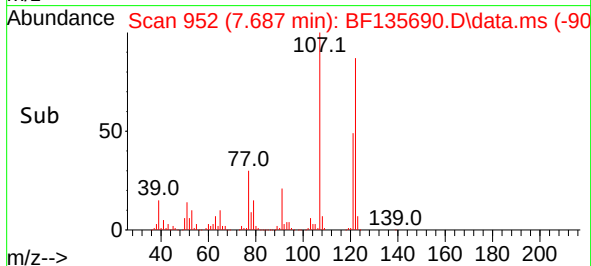
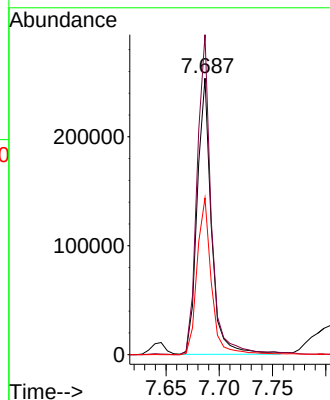
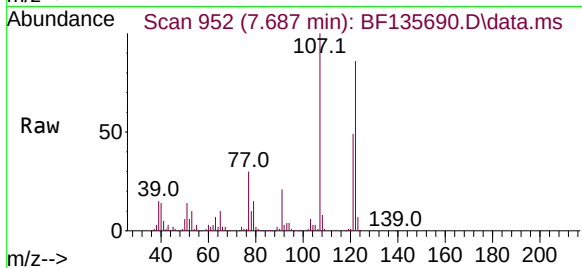
Tgt Ion:122 Resp: 236899

Ion Ratio Lower Upper

122 100

107 115.7 90.2 135.4

121 56.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 47.121 ng

RT: 7.775 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

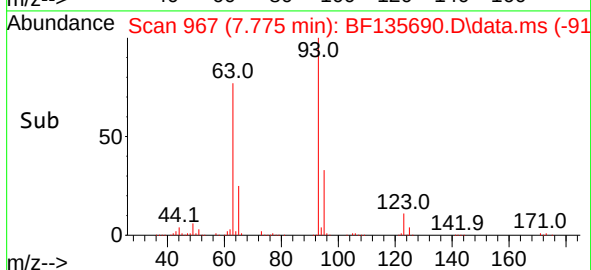
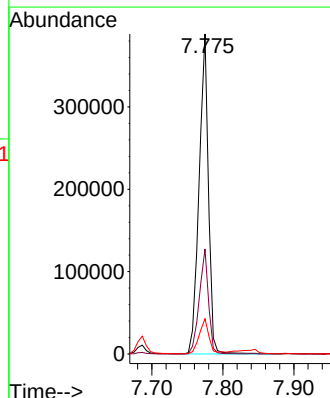
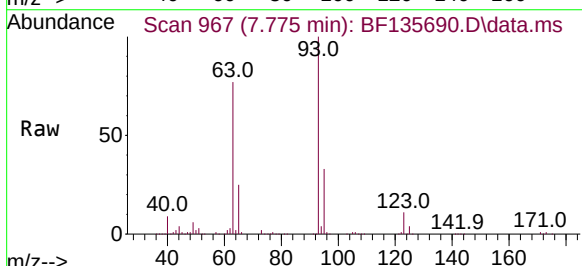
Tgt Ion: 93 Resp: 357676

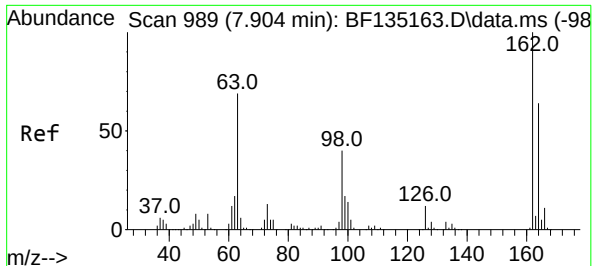
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 11.0 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 49.741 ng

RT: 7.892 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

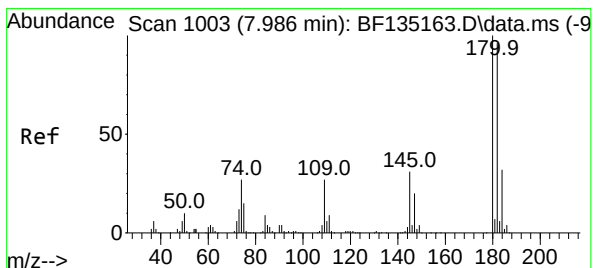
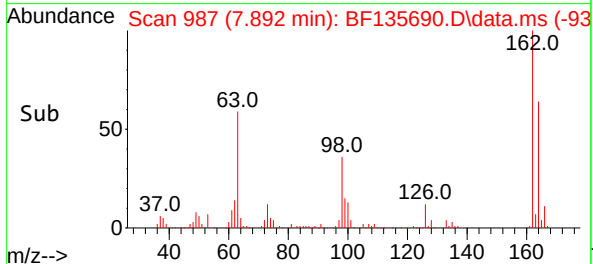
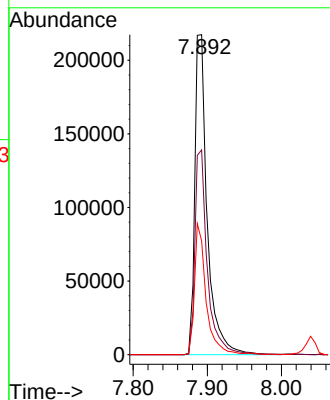
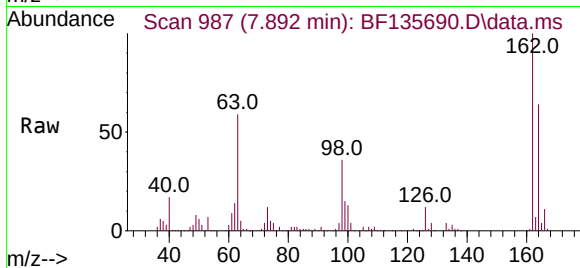
Tgt Ion:162 Resp: 253820

Ion Ratio Lower Upper

162 100

164 64.0 44.1 84.1

98 35.6 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 48.720 ng

RT: 7.963 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

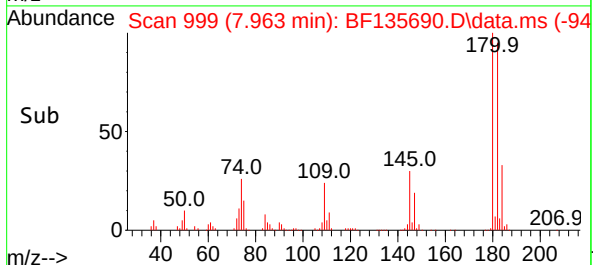
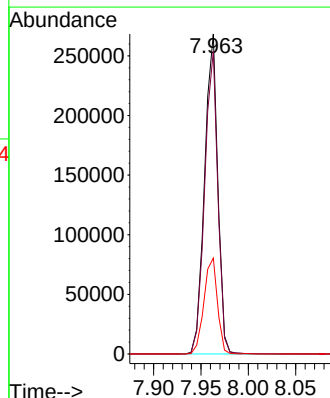
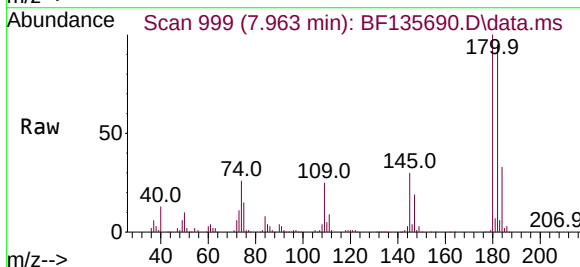
Tgt Ion:180 Resp: 259854

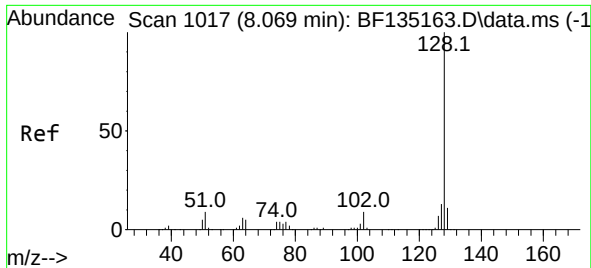
Ion Ratio Lower Upper

180 100

182 94.6 76.9 115.3

145 30.0 24.5 36.7

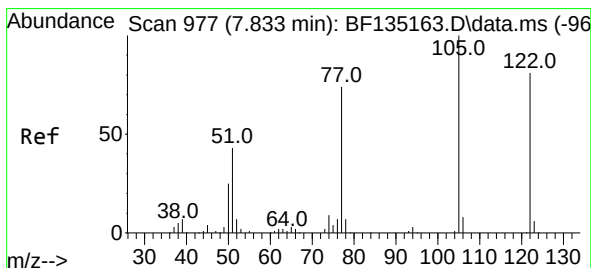
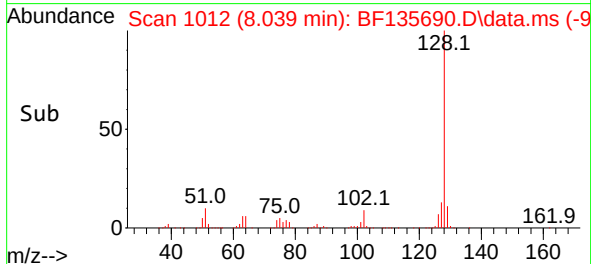
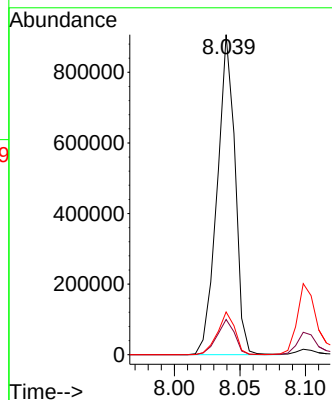
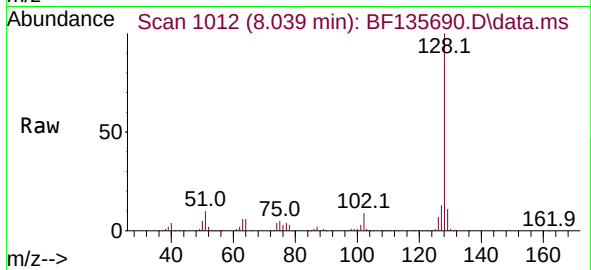




#31  
Naphthalene  
Concen: 47.042 ng  
RT: 8.039 min Scan# 1017  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

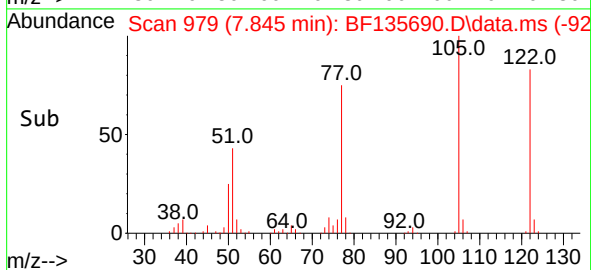
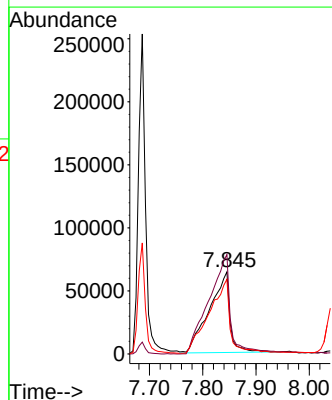
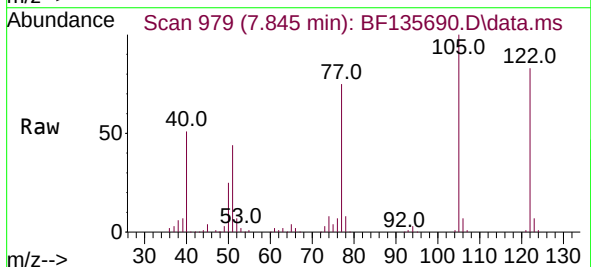
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

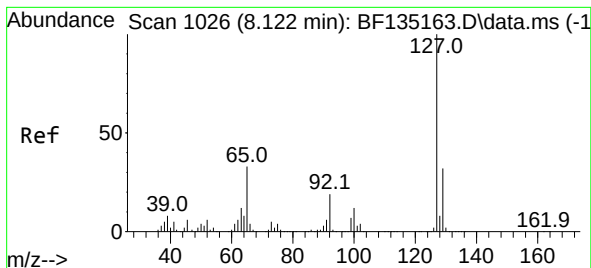
Tgt Ion:128 Resp: 857610  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.7 13.1  
127 13.4 10.7 16.1



#32  
Benzoic acid  
Concen: 41.570 ng  
RT: 7.845 min Scan# 979  
Delta R.T. 0.012 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:122 Resp: 172381  
Ion Ratio Lower Upper  
122 100  
105 121.0 99.9 139.9  
77 91.0 70.0 110.0





#33

4-Chloroaniline

Concen: 29.426 ng

RT: 8.098 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

Tgt Ion:127 Resp: 235366

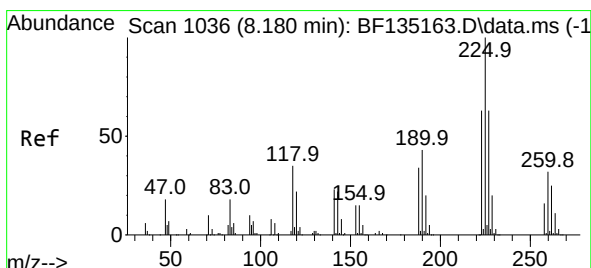
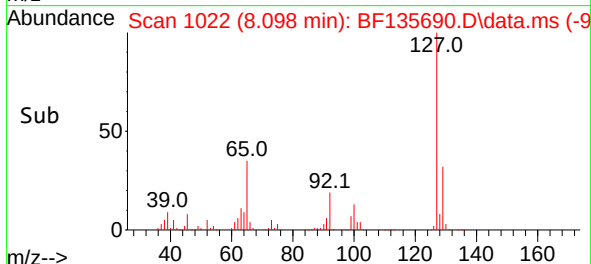
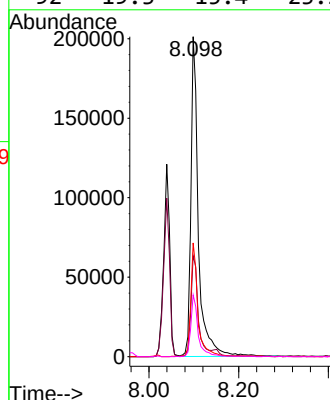
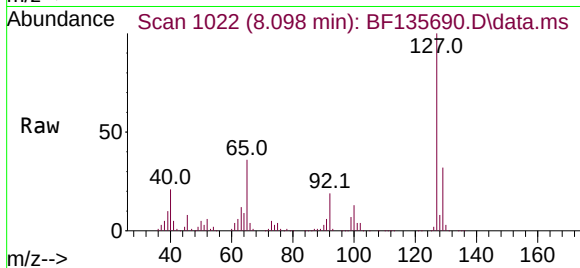
Ion Ratio Lower Upper

127 100

129 31.5 25.8 38.8

65 35.5 26.6 39.8

92 19.3 15.4 23.2



#34

Hexachlorobutadiene

Concen: 47.035 ng

RT: 8.151 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

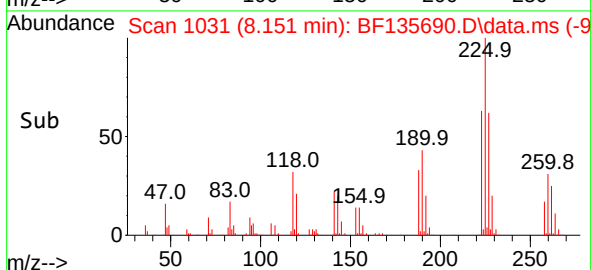
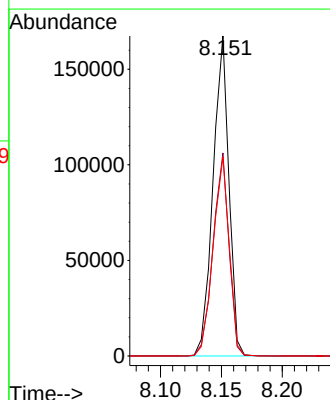
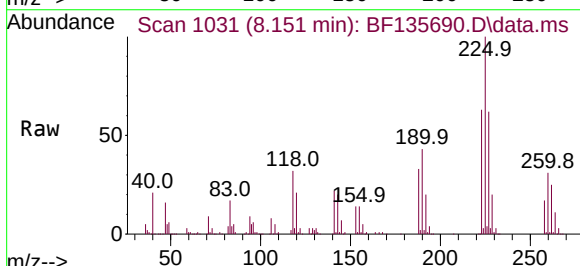
Tgt Ion:225 Resp: 151270

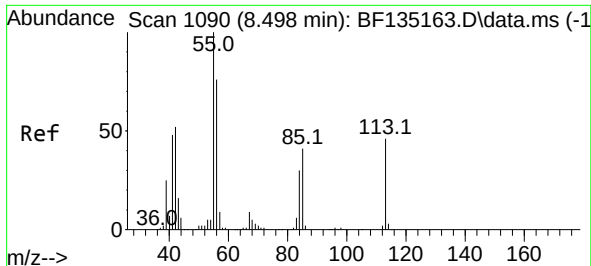
Ion Ratio Lower Upper

225 100

223 63.4 50.6 75.8

227 62.2 50.8 76.2

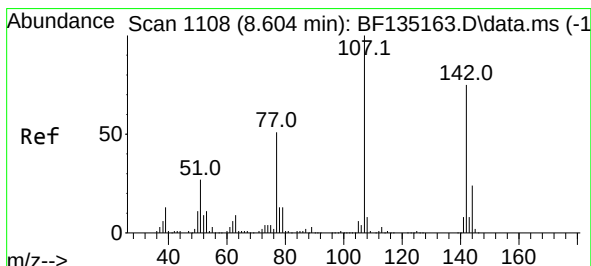
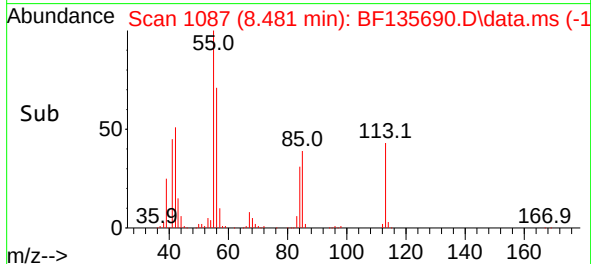
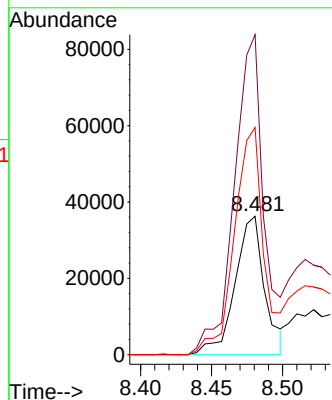
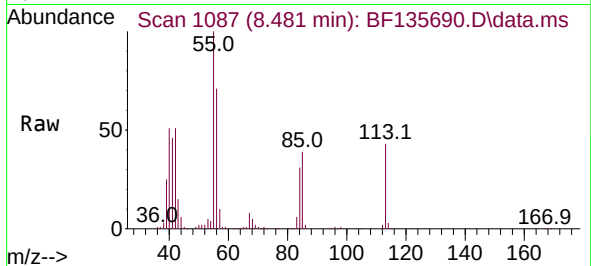




#35  
Caprolactam  
Concen: 30.593 ng  
RT: 8.481 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

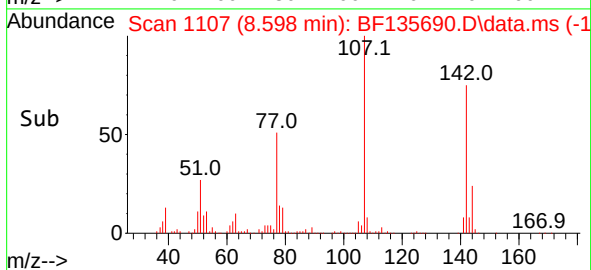
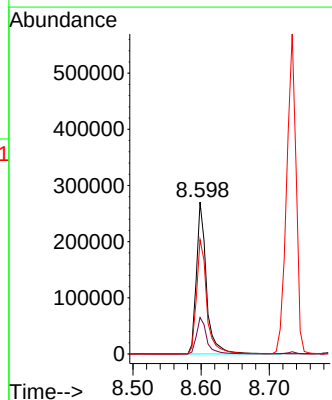
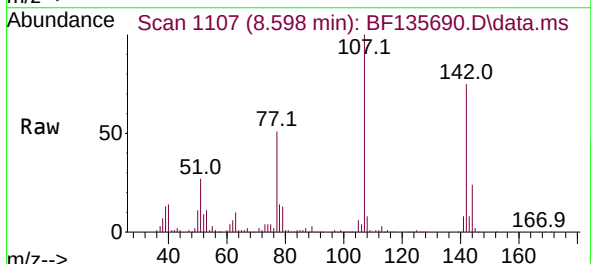
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

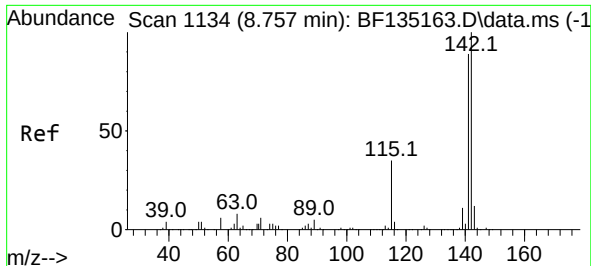
Tgt Ion:113 Resp: 52393  
Ion Ratio Lower Upper  
113 100  
55 231.2 199.3 239.3  
56 164.2 146.3 186.3



#36  
4-Chloro-3-methylphenol  
Concen: 48.788 ng  
RT: 8.598 min Scan# 1107  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:107 Resp: 276696  
Ion Ratio Lower Upper  
107 100  
144 24.0 19.0 28.4  
142 75.3 60.2 90.2





#37

2-Methylnaphthalene

Concen: 44.755 ng

RT: 8.734 min Scan# 1130

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

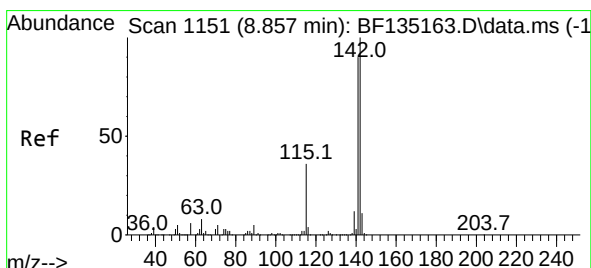
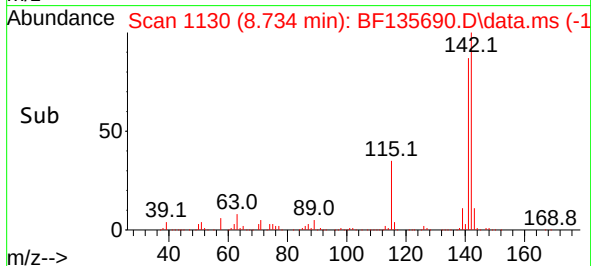
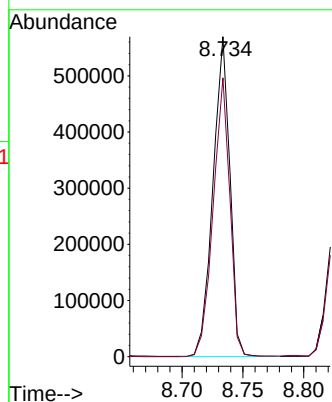
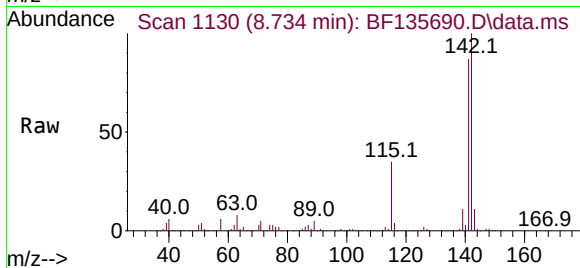
PB156020BS

Tgt Ion:142 Resp: 548458

Ion Ratio Lower Upper

142 100

141 87.2 71.0 106.6



#38

1-Methylnaphthalene

Concen: 45.578 ng

RT: 8.834 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF135690.D

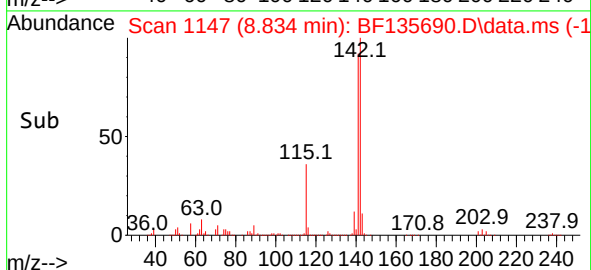
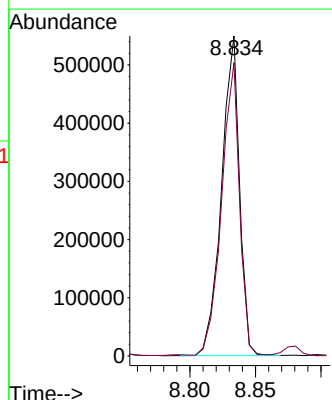
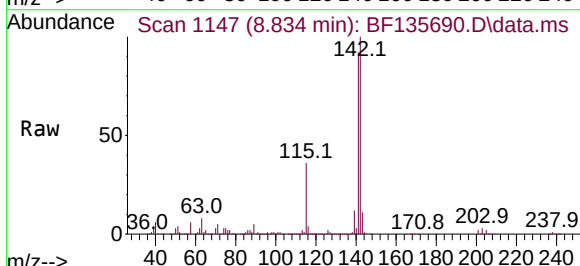
Acq: 10 Oct 2023 17:58

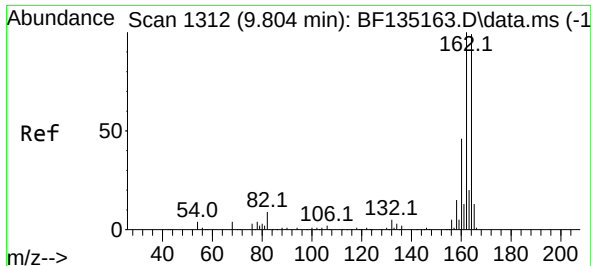
Tgt Ion:142 Resp: 522936

Ion Ratio Lower Upper

142 100

141 91.7 72.4 108.6

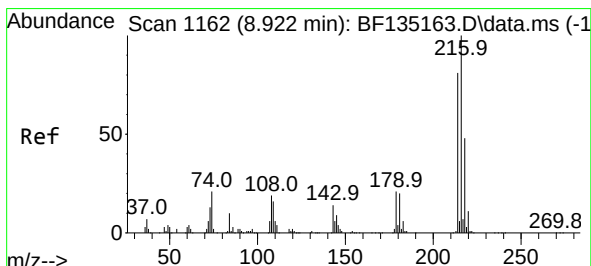
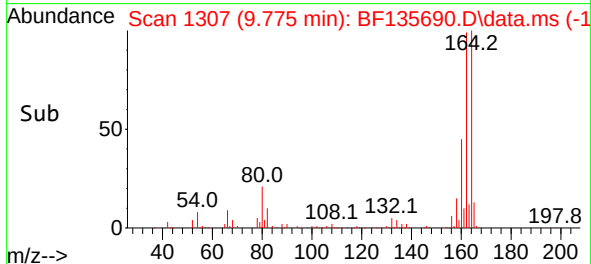
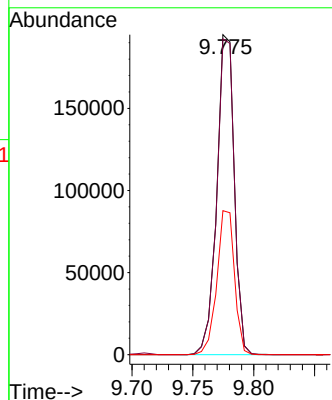
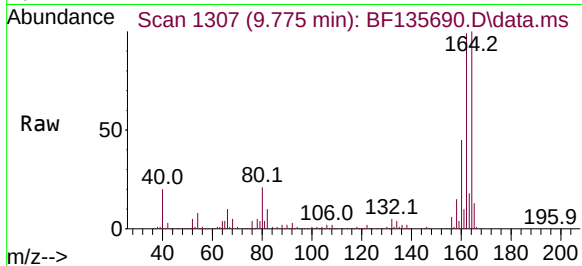




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1158  
Delta R.T. -0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

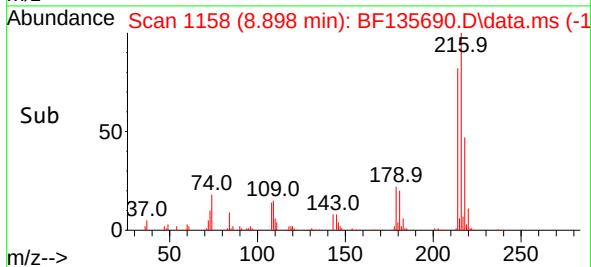
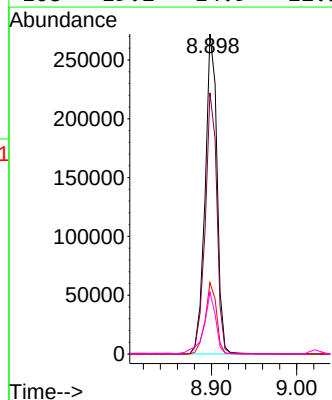
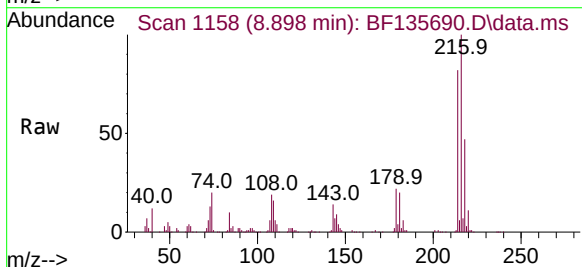
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

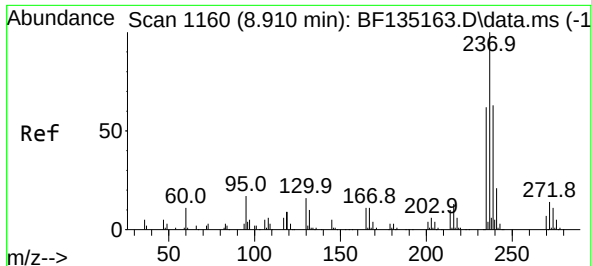
Tgt Ion:164 Resp: 195389  
Ion Ratio Lower Upper  
164 100  
162 98.7 81.0 121.4  
160 45.0 37.0 55.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.409 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. -0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:216 Resp: 262705  
Ion Ratio Lower Upper  
216 100  
214 80.4 63.7 95.5  
179 21.2 16.7 25.1  
108 19.2 14.9 22.3

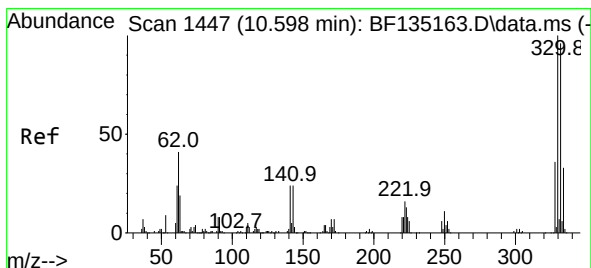
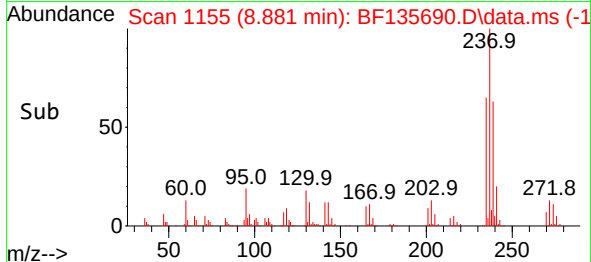
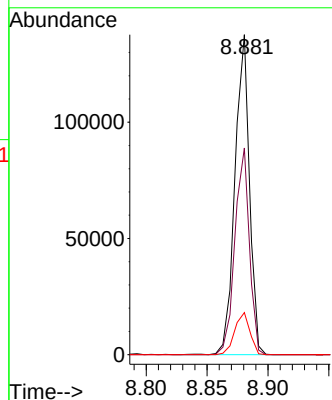
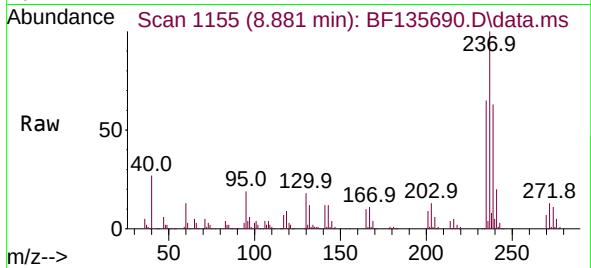




#41  
Hexachlorocyclopentadiene  
Concen: 48.871 ng  
RT: 8.881 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

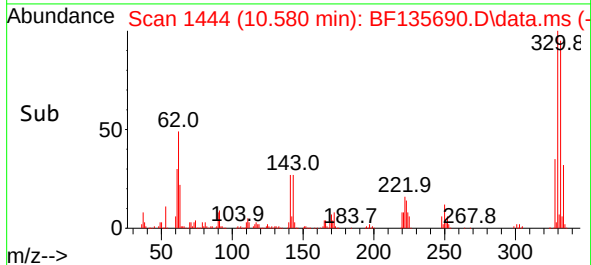
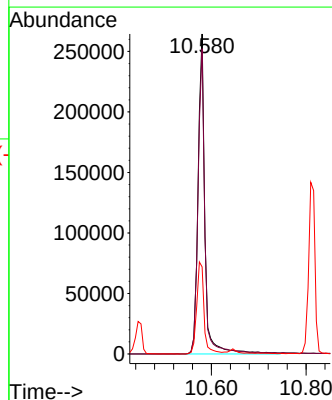
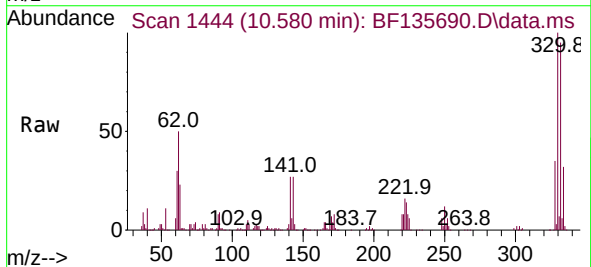
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

Tgt Ion:237 Resp: 113999  
Ion Ratio Lower Upper  
237 100  
235 64.6 41.8 81.8  
272 13.1 0.0 33.6

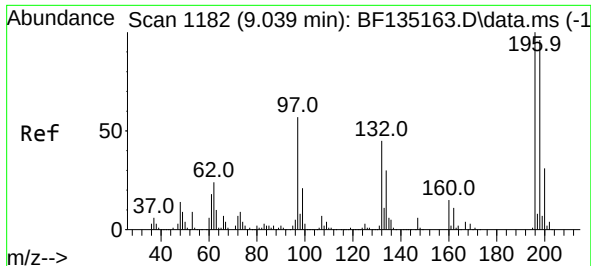


#42  
2,4,6-Tribromophenol  
Concen: 136.994 ng  
RT: 10.580 min Scan# 1444  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:330 Resp: 266000  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.3 115.9  
141 30.9 25.8 38.8







#43

2,4,6-Trichlorophenol

Concen: 44.817 ng

RT: 9.022 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

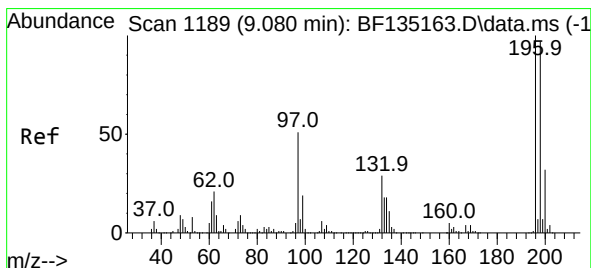
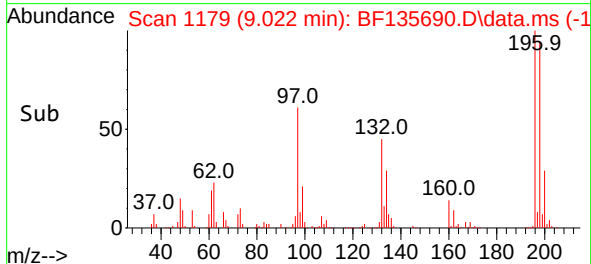
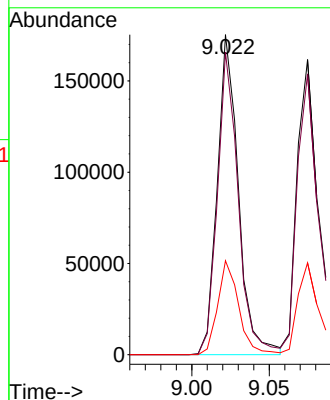
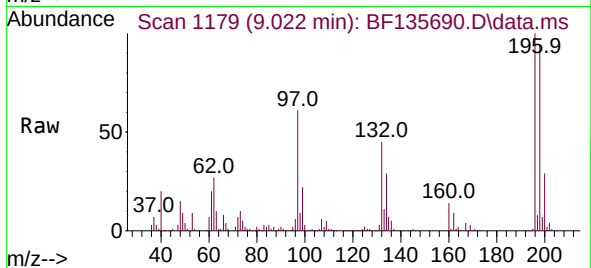
Tgt Ion:196 Resp: 166102

Ion Ratio Lower Upper

196 100

198 94.5 77.0 115.6

200 29.3 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 41.511 ng

RT: 9.075 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Tgt Ion:196 Resp: 177173

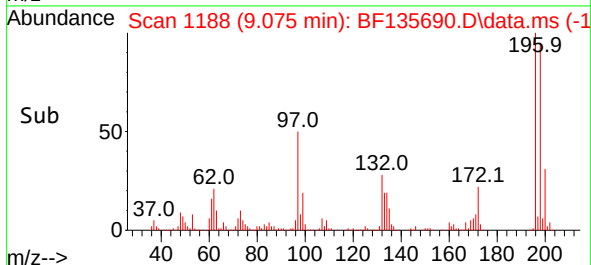
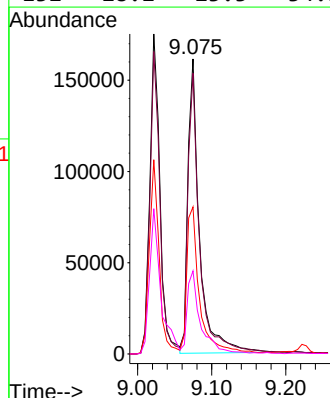
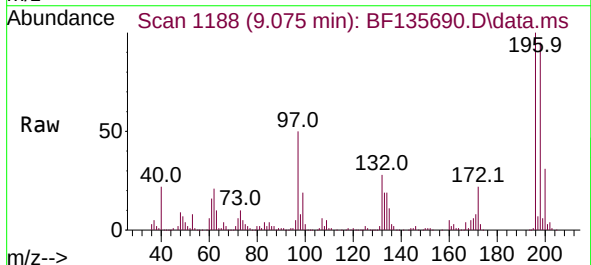
Ion Ratio Lower Upper

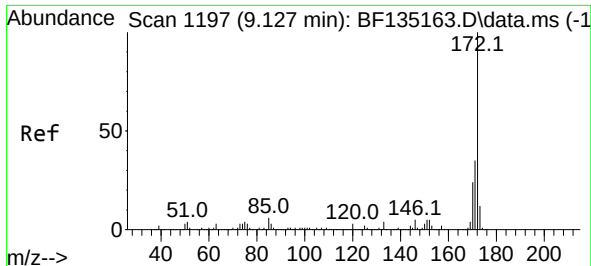
196 100

198 95.2 77.5 116.3

97 49.8 40.5 60.7

132 28.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 88.330 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

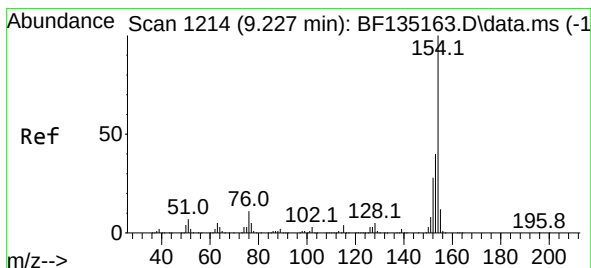
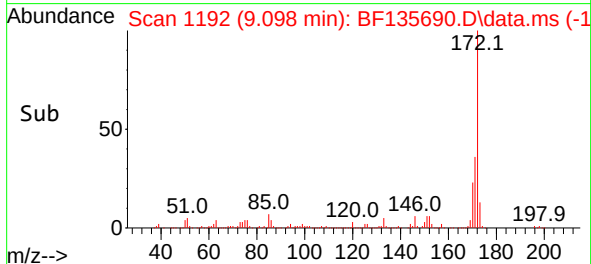
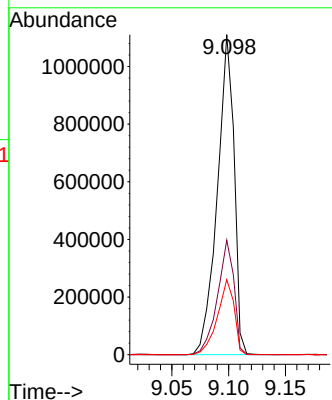
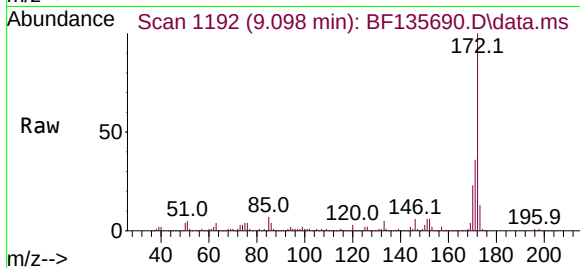
Tgt Ion:172 Resp: 1143930

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.5 19.0 28.4



#46

1,1'-Biphenyl

Concen: 46.287 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

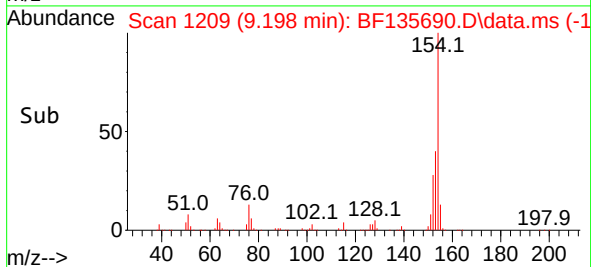
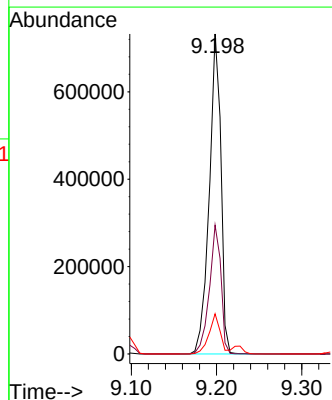
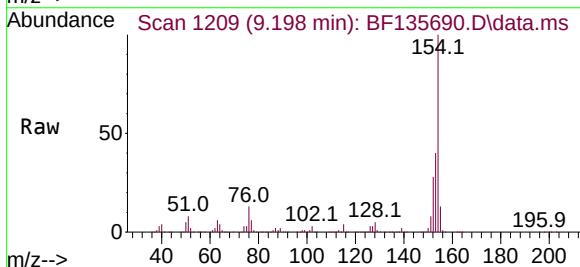
Tgt Ion:154 Resp: 695023

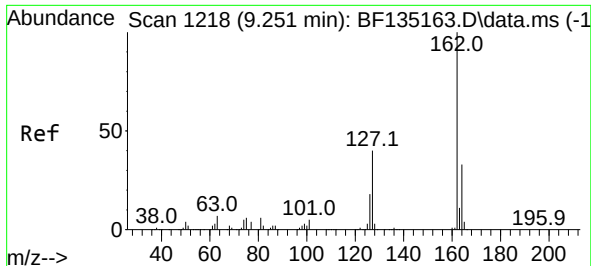
Ion Ratio Lower Upper

154 100

153 40.2 19.6 59.6

76 12.6 0.0 31.0

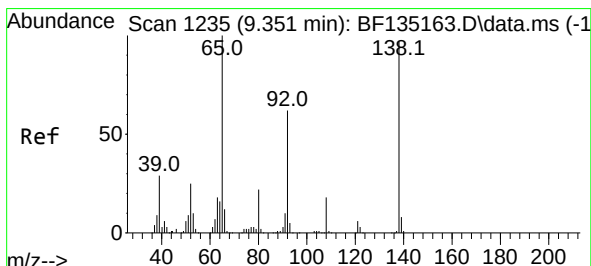
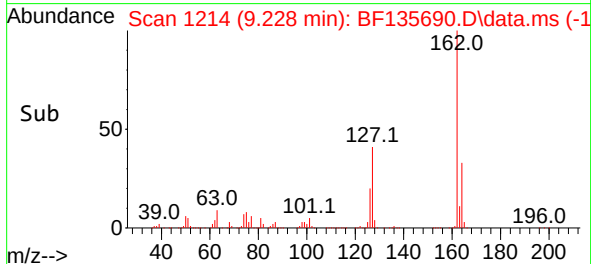
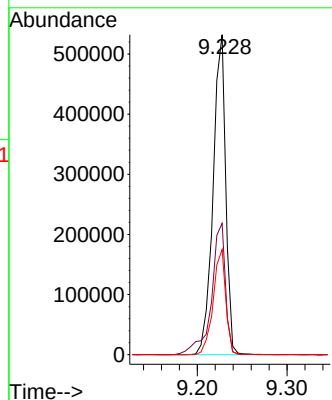
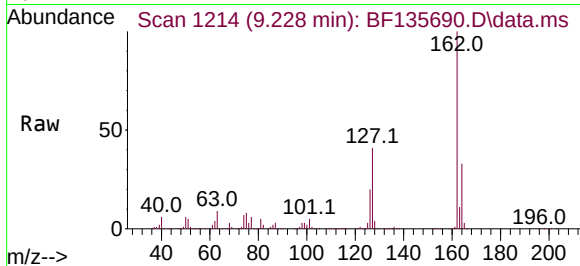




#47  
2-Chloronaphthalene  
Concen: 47.925 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

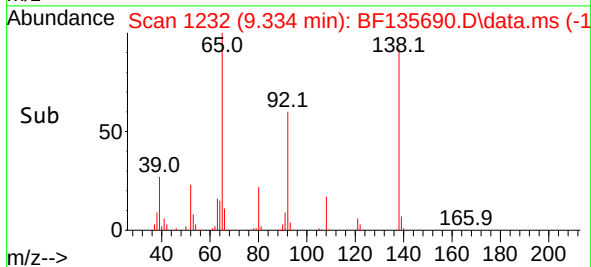
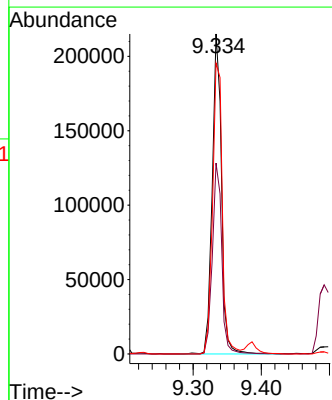
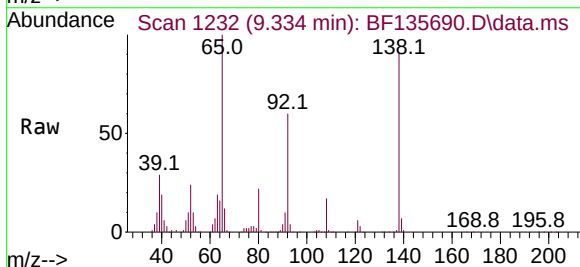
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

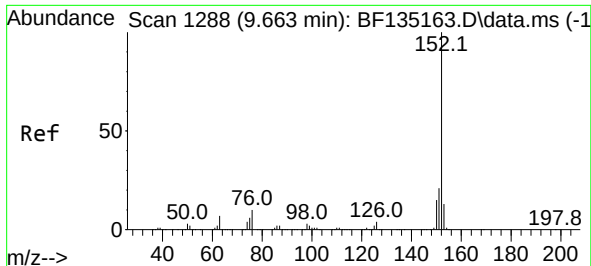
Tgt Ion:162 Resp: 522118  
Ion Ratio Lower Upper  
162 100  
127 41.1 32.6 48.8  
164 32.9 26.2 39.2



#48  
2-Nitroaniline  
Concen: 47.956 ng  
RT: 9.334 min Scan# 1232  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion: 65 Resp: 202972  
Ion Ratio Lower Upper  
65 100  
92 59.7 49.4 74.0  
138 90.9 77.4 116.0





#49

Acenaphthylene

Concen: 47.179 ng

RT: 9.639 min Scan# 1284

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

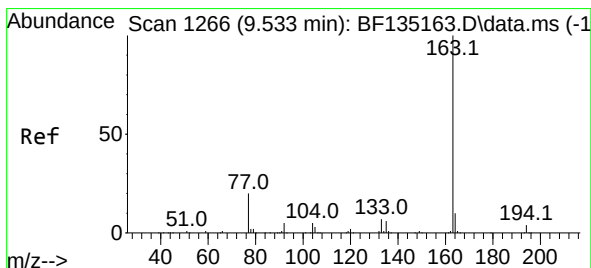
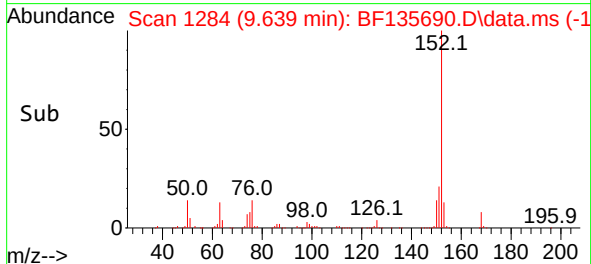
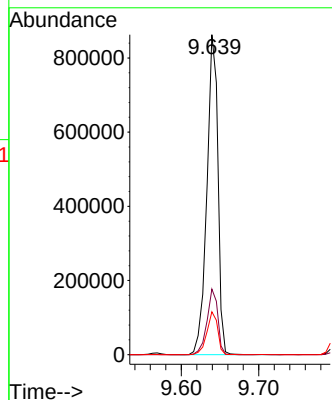
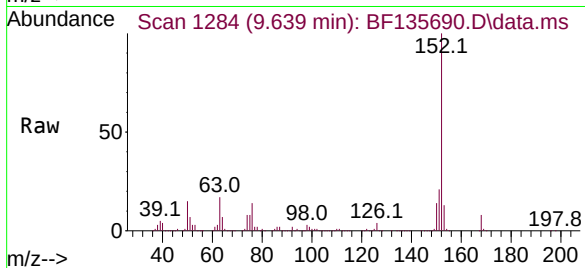
Tgt Ion:152 Resp: 854215

Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 13.4 10.4 15.6



#50

Dimethylphthalate

Concen: 46.533 ng

RT: 9.510 min Scan# 1262

Delta R.T. 0.006 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

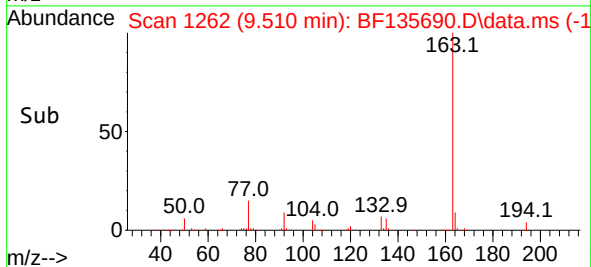
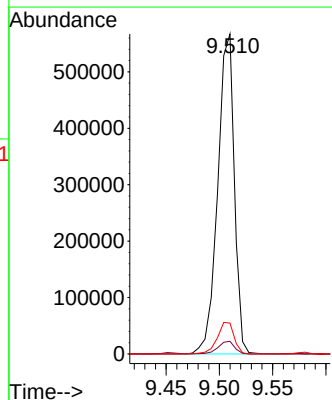
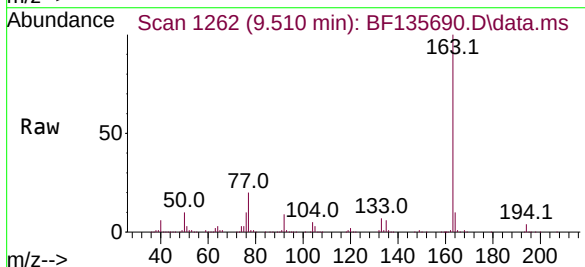
Tgt Ion:163 Resp: 614715

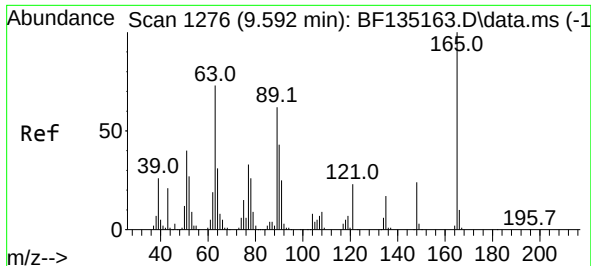
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.6 8.1 12.1

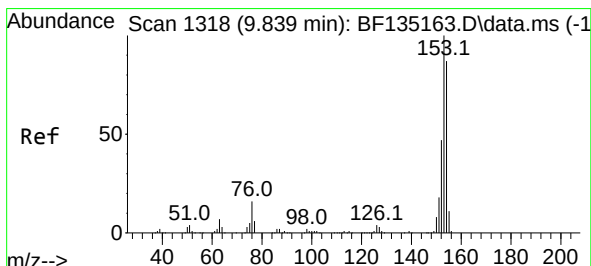
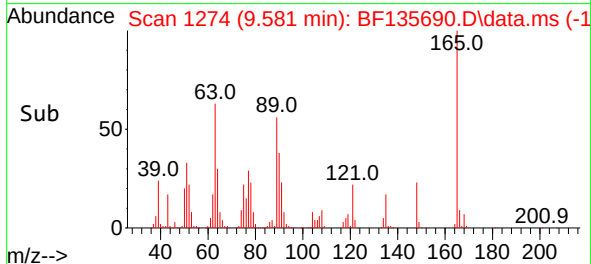
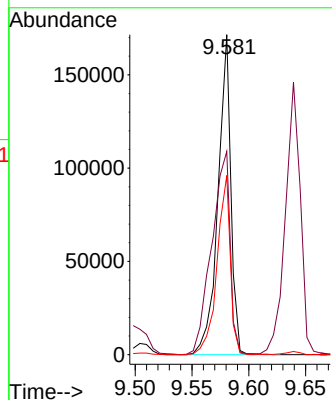
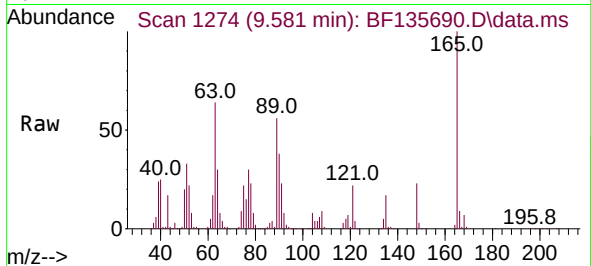




#51  
2,6-Dinitrotoluene  
Concen: 46.866 ng  
RT: 9.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

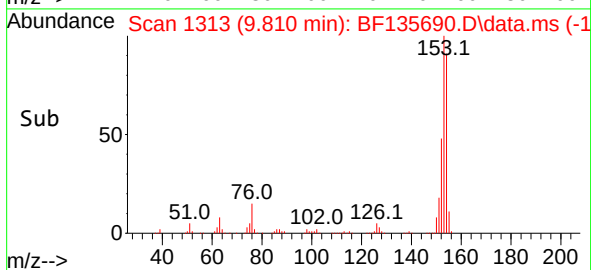
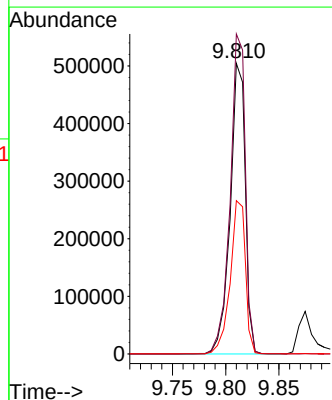
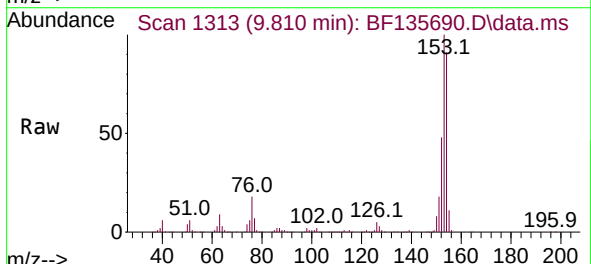
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

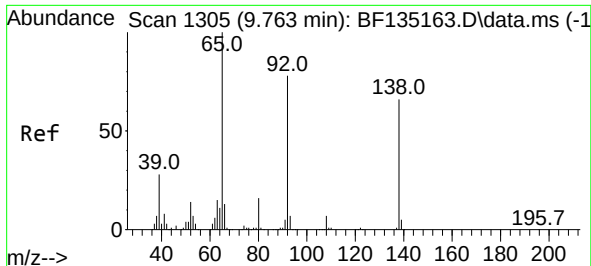
Tgt Ion:165 Resp: 135628  
Ion Ratio Lower Upper  
165 100  
63 63.5 59.4 89.2  
89 56.0 49.8 74.8



#52  
Acenaphthene  
Concen: 46.569 ng  
RT: 9.810 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:154 Resp: 498102  
Ion Ratio Lower Upper  
154 100  
153 110.1 92.1 138.1  
152 52.8 43.1 64.7

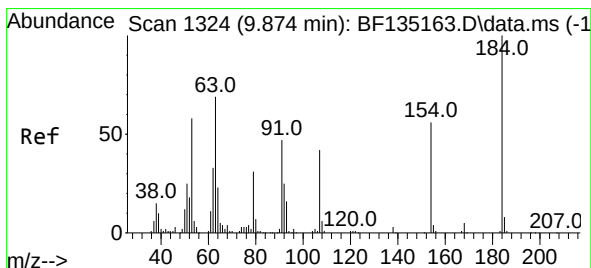
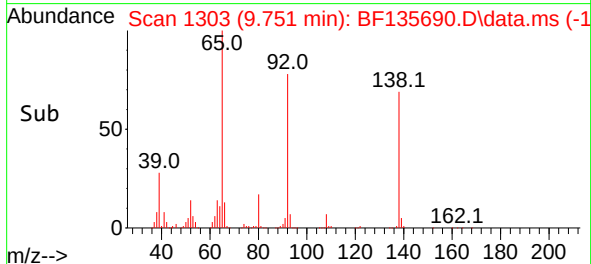
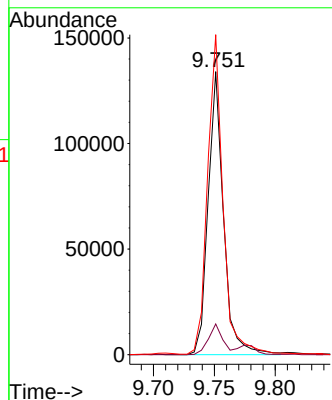
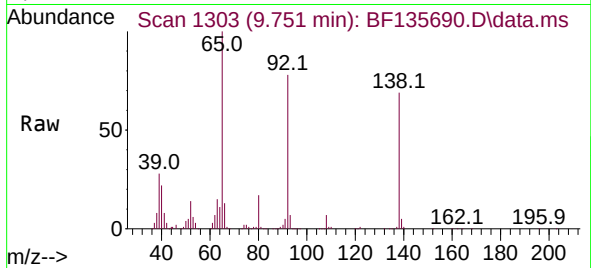




#53  
3-Nitroaniline  
Concen: 34.719 ng  
RT: 9.751 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

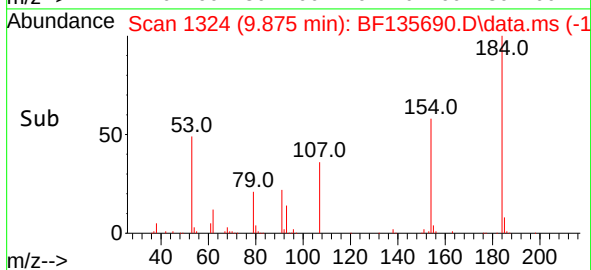
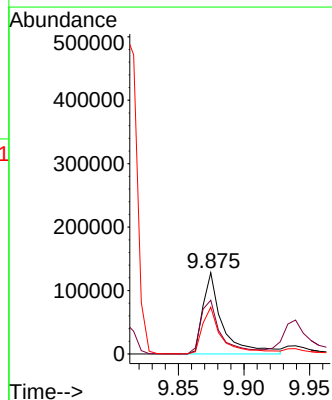
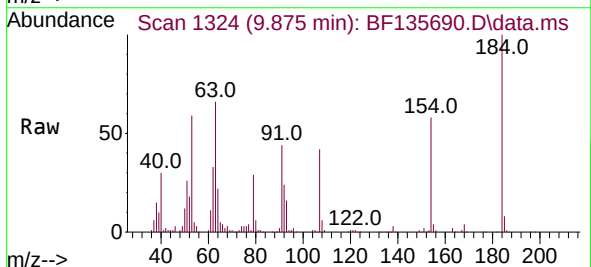
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

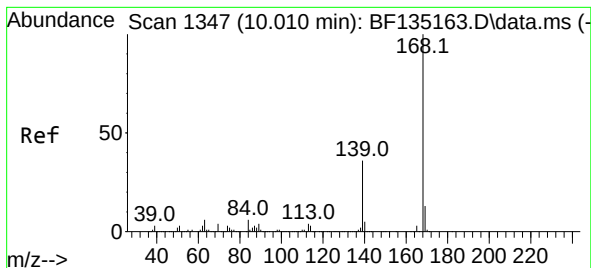
Tgt Ion:138 Resp: 117942  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.5 12.7  
92 113.1 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 81.888 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:184 Resp: 134795  
Ion Ratio Lower Upper  
184 100  
63 66.1 55.1 82.7  
154 57.6 48.4 72.6





#55

Dibenzenofuran

Concen: 45.079 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

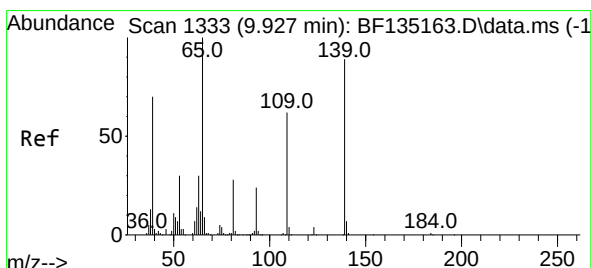
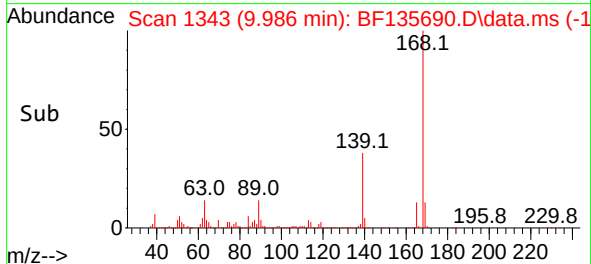
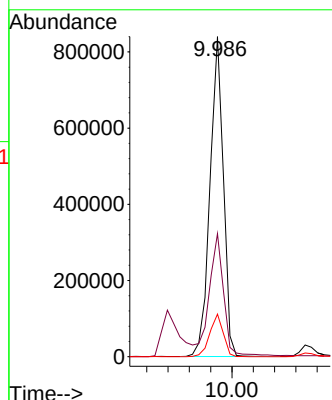
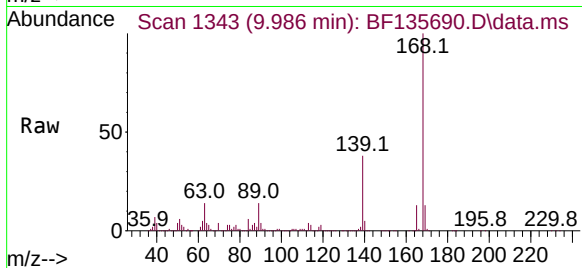
Tgt Ion:168 Resp: 735779

Ion Ratio Lower Upper

168 100

139 38.4 29.0 43.6

169 13.3 10.4 15.6



#56

4-Nitrophenol

Concen: 64.525 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

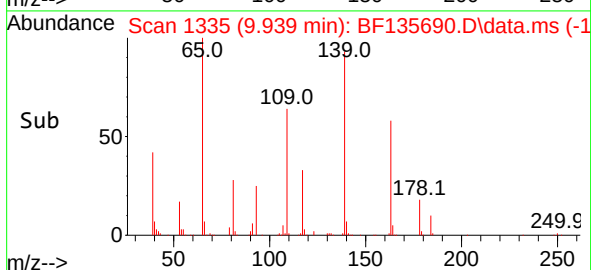
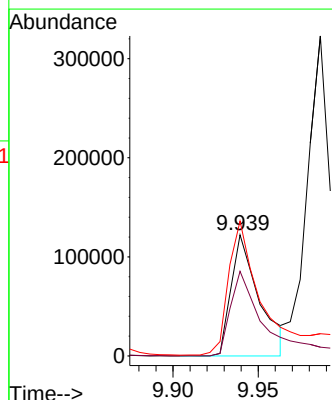
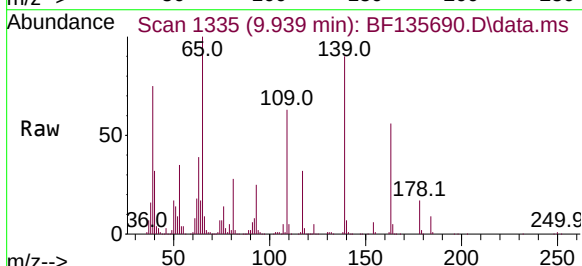
Tgt Ion:139 Resp: 139307

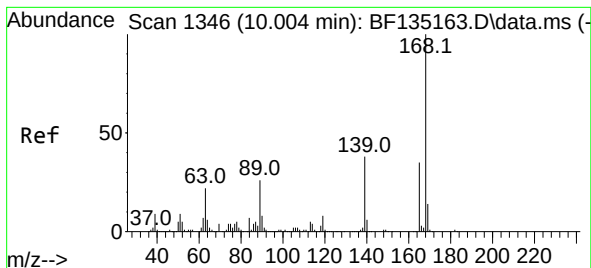
Ion Ratio Lower Upper

139 100

109 69.9 49.8 89.8

65 111.3 92.7 132.7

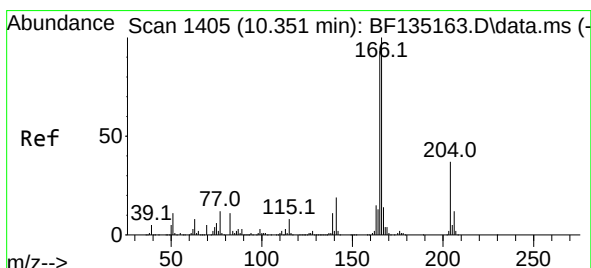
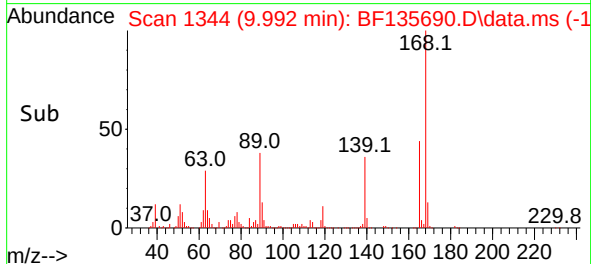
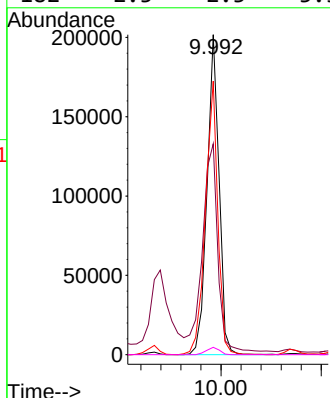
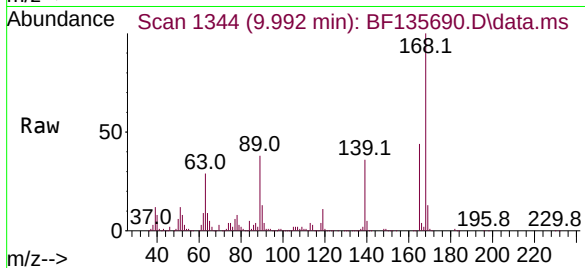




#57  
2,4-Dinitrotoluene  
Concen: 46.485 ng  
RT: 9.992 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

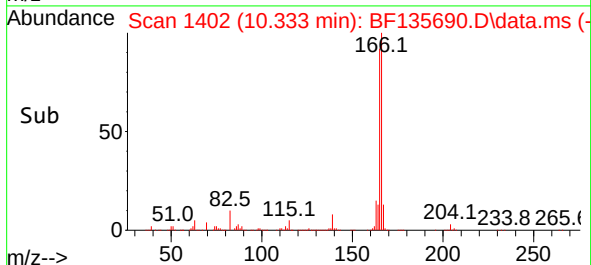
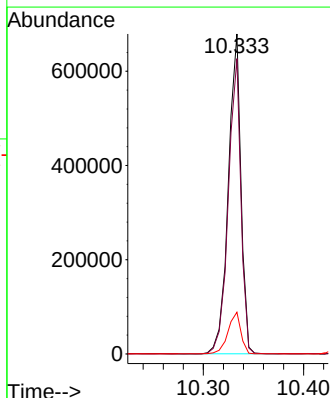
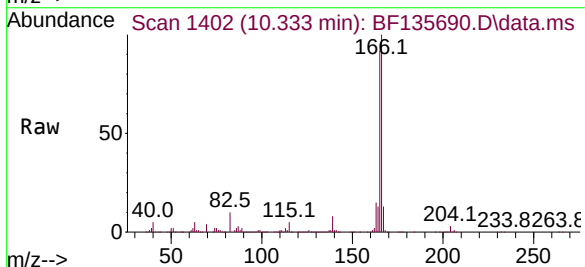
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

Tgt Ion:165 Resp: 168413  
Ion Ratio Lower Upper  
165 100  
63 65.9 50.1 75.1  
89 85.5 59.3 88.9  
182 2.3 2.3 3.5#

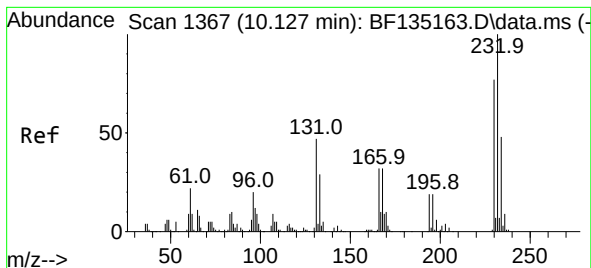


#58  
Fluorene  
Concen: 47.112 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:166 Resp: 591151  
Ion Ratio Lower Upper  
166 100  
165 92.3 74.3 111.5  
167 13.1 10.9 16.3



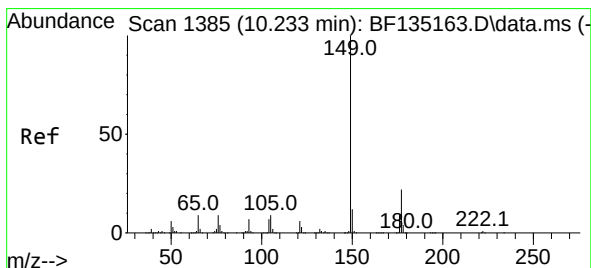
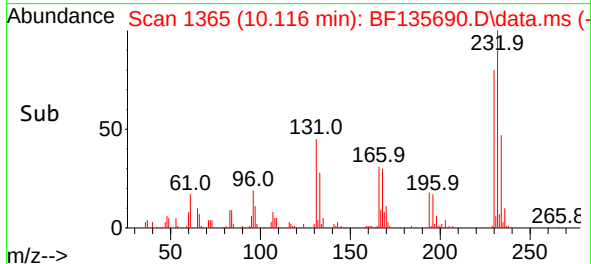
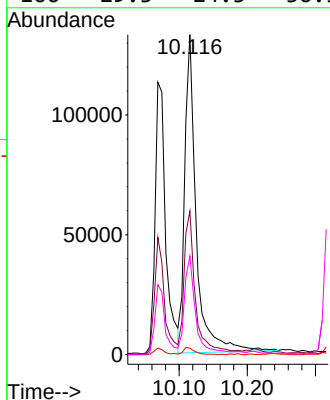
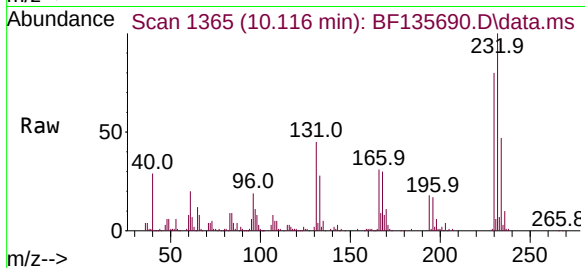




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.948 ng  
RT: 10.116 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

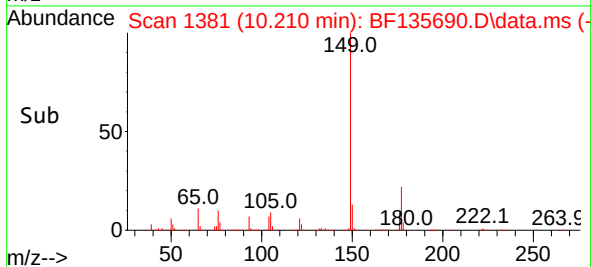
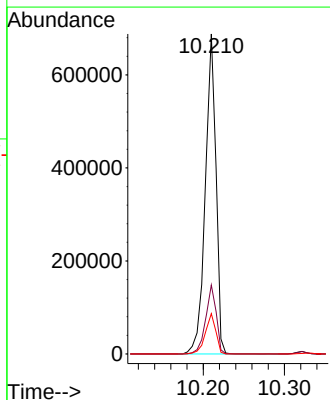
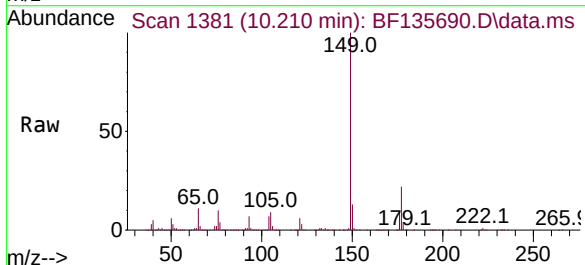
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

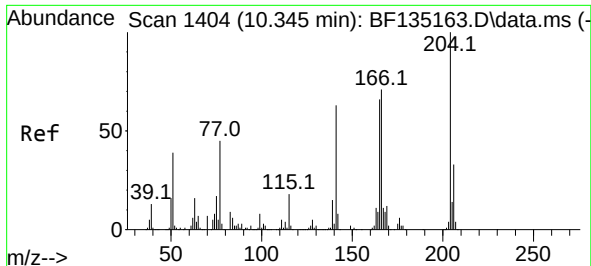
Tgt Ion:232 Resp: 154141  
Ion Ratio Lower Upper  
232 100  
131 43.1 35.4 53.2  
130 2.3 1.8 2.8  
166 29.3 24.3 36.5



#60  
Diethylphthalate  
Concen: 47.118 ng  
RT: 10.210 min Scan# 1381  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:149 Resp: 624672  
Ion Ratio Lower Upper  
149 100  
177 21.5 17.8 26.6  
150 12.6 10.0 15.0

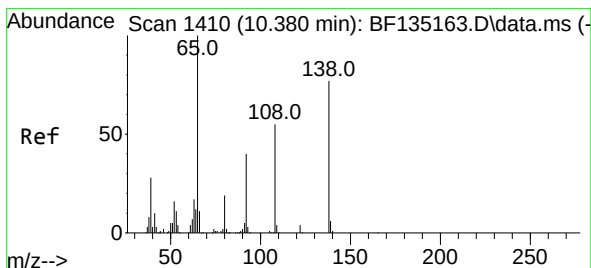
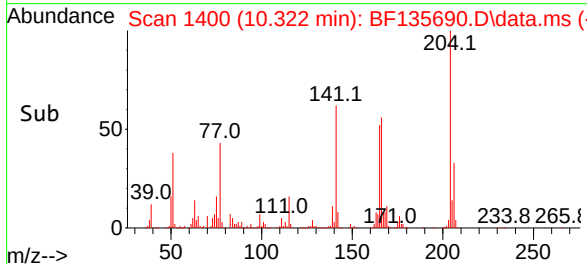
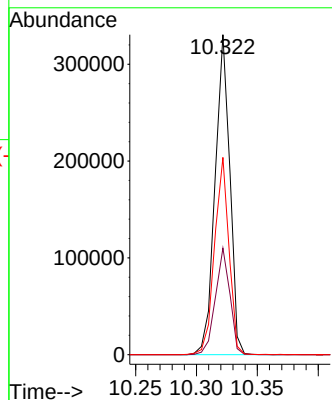
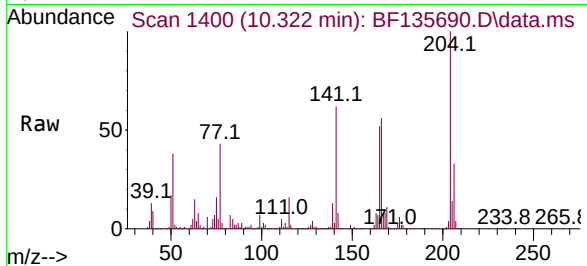




#61  
4-Chlorophenyl-phenylether  
Concen: 46.109 ng  
RT: 10.322 min Scan# 1400  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

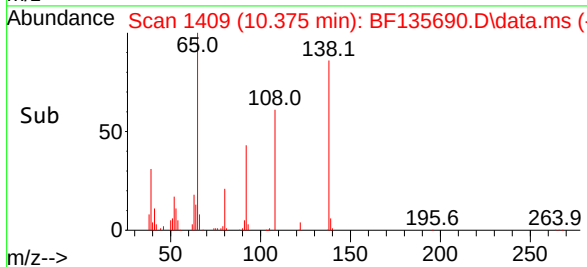
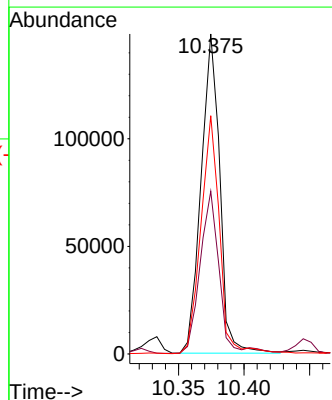
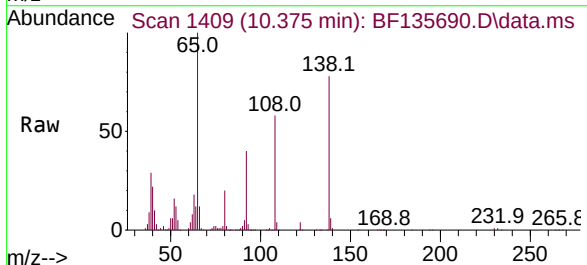
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

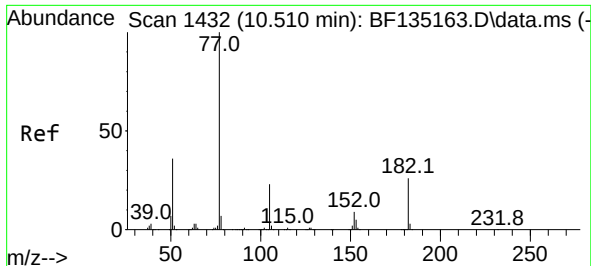
Tgt Ion:204 Resp: 277920  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.7 40.1  
141 61.6 50.6 75.8



#62  
4-Nitroaniline  
Concen: 45.116 ng  
RT: 10.375 min Scan# 1409  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:138 Resp: 147318  
Ion Ratio Lower Upper  
138 100  
92 50.9 31.8 71.8  
108 74.4 52.0 92.0

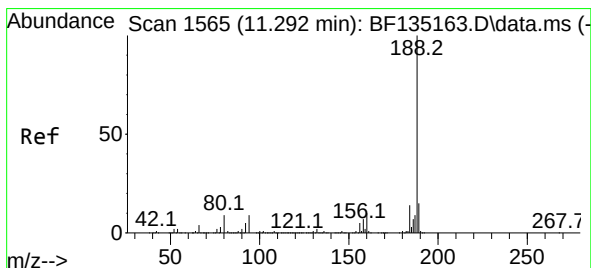
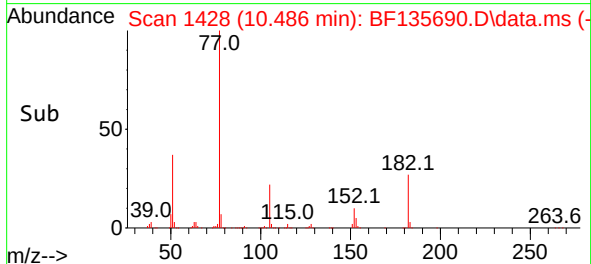
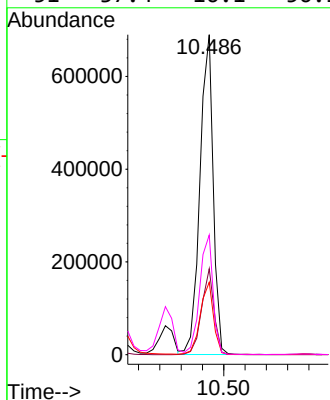
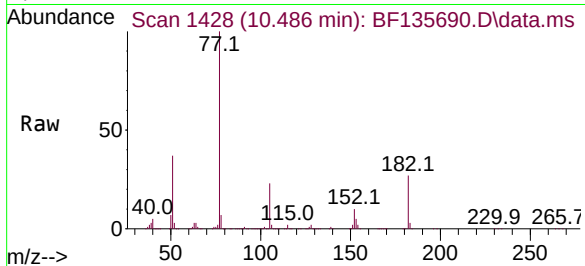




#63  
Azobenzene  
Concen: 46.248 ng  
RT: 10.486 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

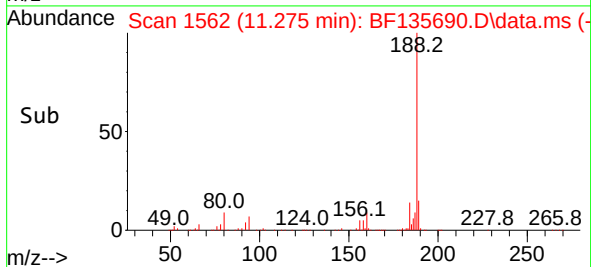
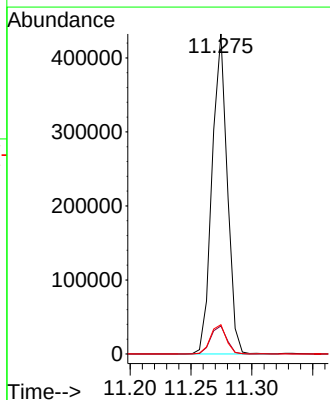
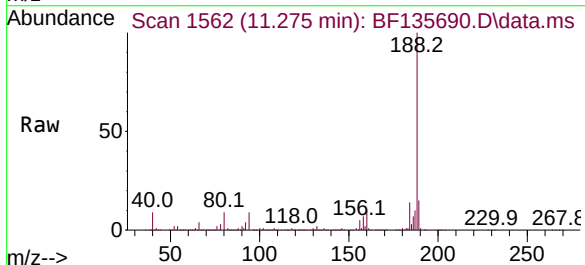
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

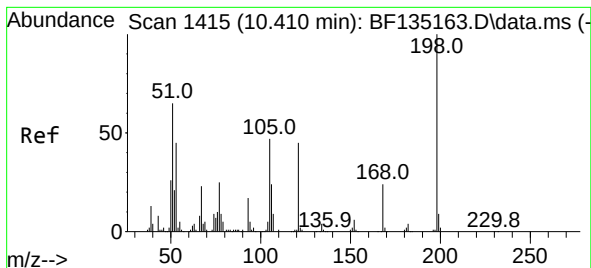
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 600084 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 26.9    | 6.4 46.4     |
| 105 22.6    | 3.1 43.1     |
| 51 37.4     | 16.1 56.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.275 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 375096 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 8.8      | 7.0 10.6     |
| 80 9.2      | 7.5 11.3     |

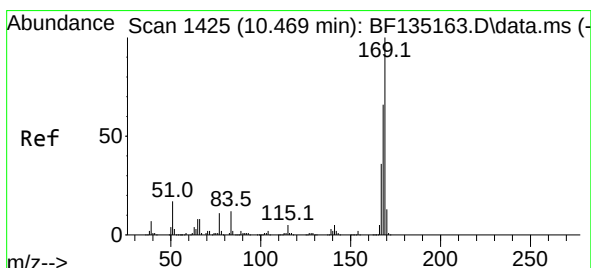
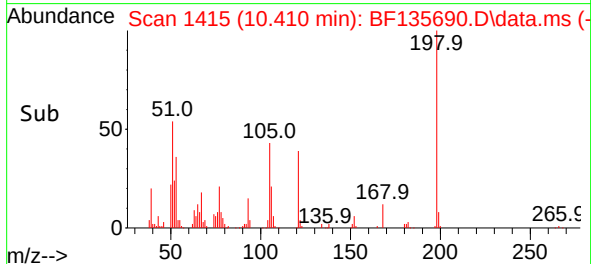
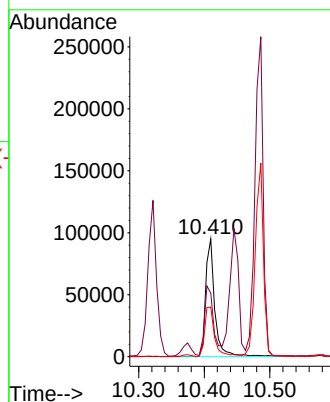
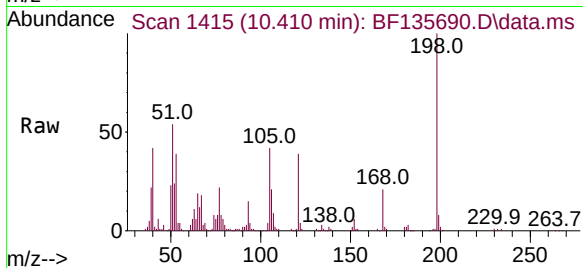




#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.437 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

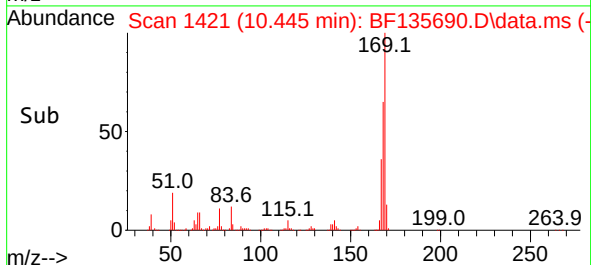
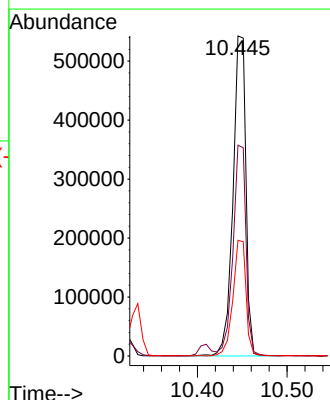
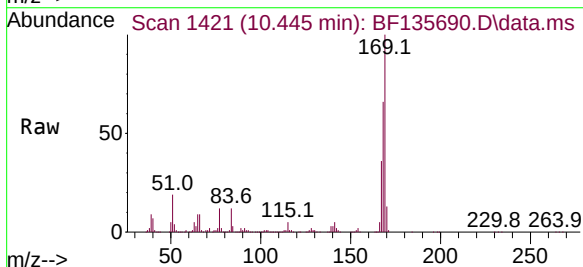
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

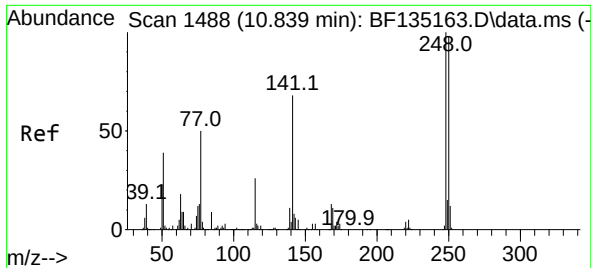
Tgt Ion:198 Resp: 92514  
Ion Ratio Lower Upper  
198 100  
51 54.0 47.7 87.7  
105 42.2 27.4 67.4



#66  
n-Nitrosodiphenylamine  
Concen: 47.885 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:169 Resp: 543774  
Ion Ratio Lower Upper  
169 100  
168 65.9 52.8 79.2  
167 36.1 29.0 43.6

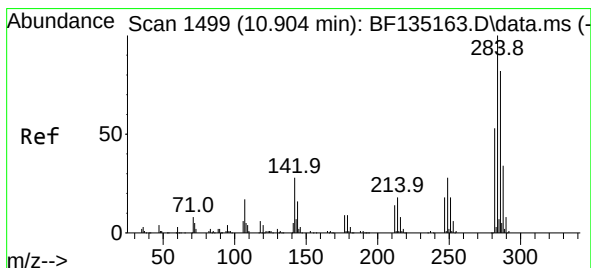
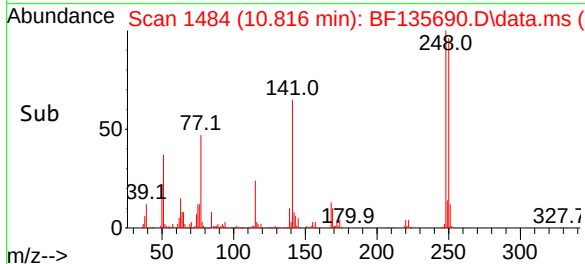
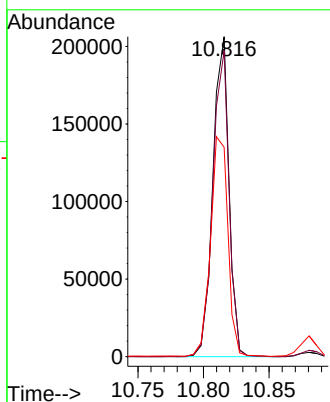
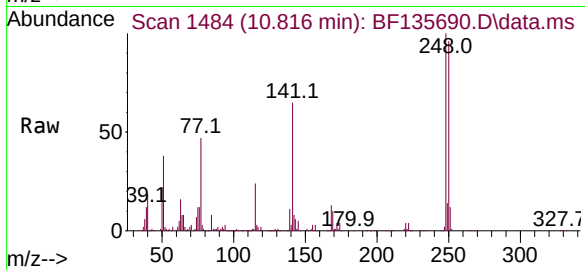




#67  
4-Bromophenyl-phenylether  
Concen: 47.173 ng  
RT: 10.816 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

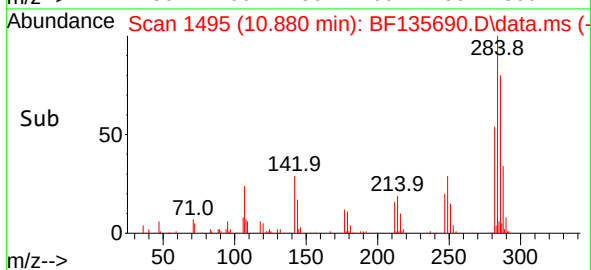
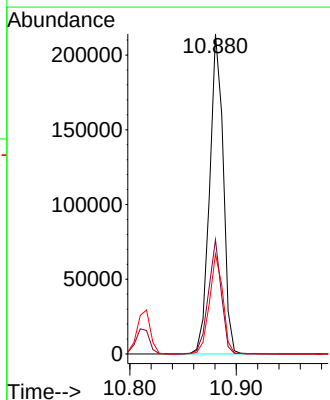
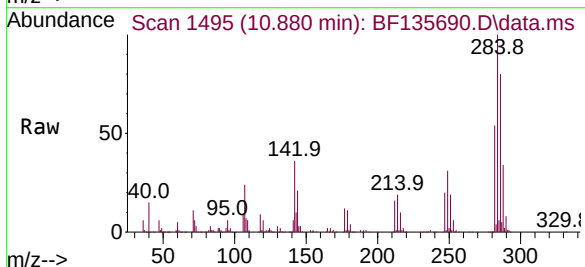
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

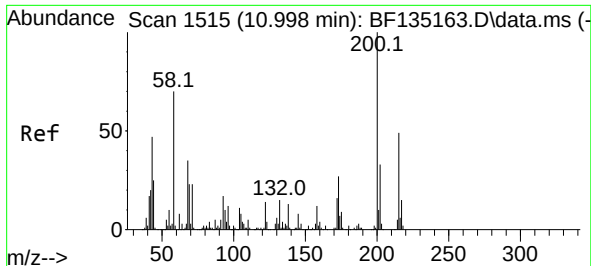
Tgt Ion:248 Resp: 175984  
Ion Ratio Lower Upper  
248 100  
250 95.6 78.6 117.8  
141 65.4 54.2 81.2



#68  
Hexachlorobenzene  
Concen: 49.985 ng  
RT: 10.880 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:284 Resp: 189974  
Ion Ratio Lower Upper  
284 100  
142 35.7 22.2 33.4#  
249 31.3 22.5 33.7

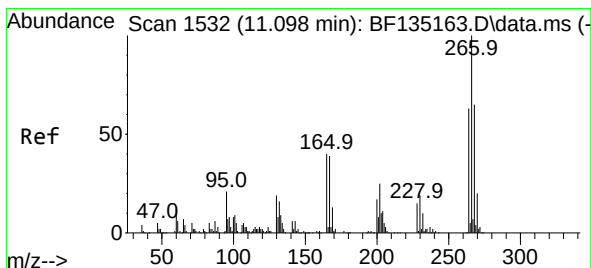
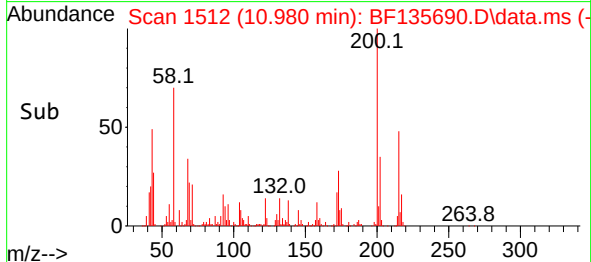
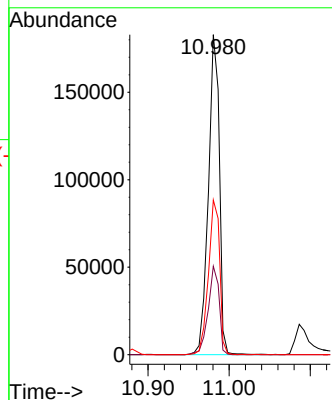
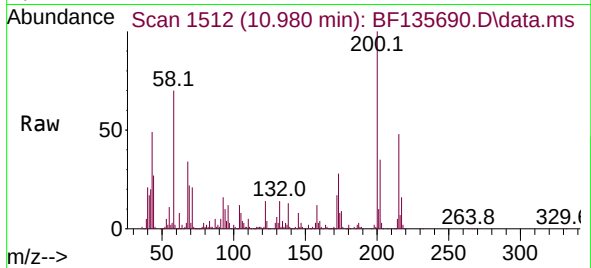




#69  
 Atrazine  
 Concen: 56.047 ng  
 RT: 10.980 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

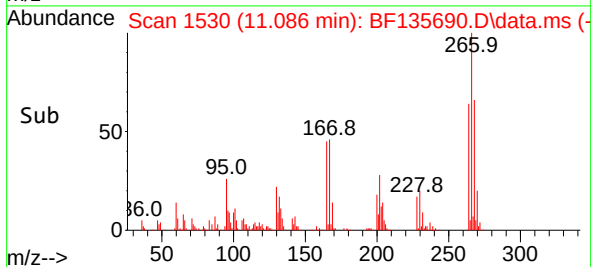
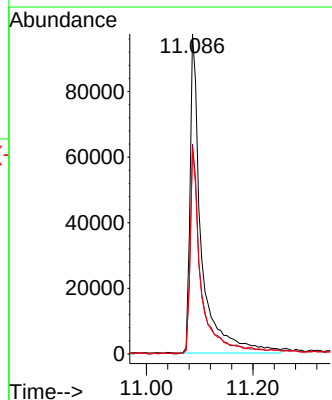
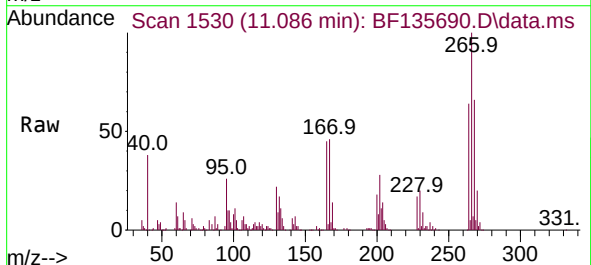
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156020BS

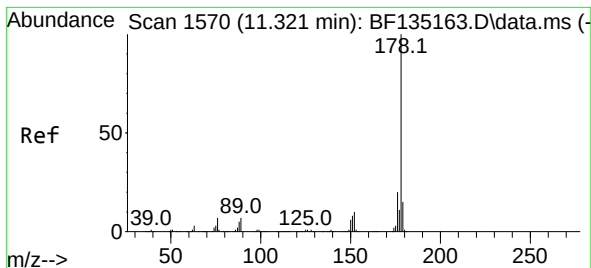
Tgt Ion:200 Resp: 171255  
 Ion Ratio Lower Upper  
 200 100  
 173 27.6 7.4 47.4  
 215 48.4 28.6 68.6



#70  
 Pentachlorophenol  
 Concen: 63.590 ng  
 RT: 11.086 min Scan# 1530  
 Delta R.T. 0.000 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

Tgt Ion:266 Resp: 144599  
 Ion Ratio Lower Upper  
 266 100  
 268 65.6 52.1 78.1  
 264 64.0 50.8 76.2





#71

Phenanthrene

Concen: 48.625 ng

RT: 11.298 min Scan# 1566

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

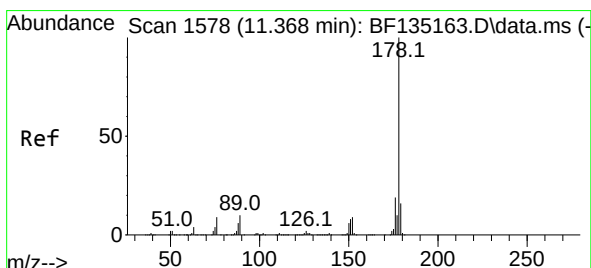
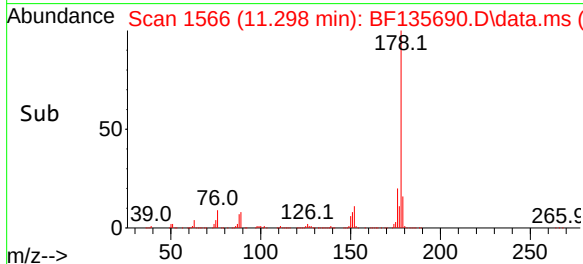
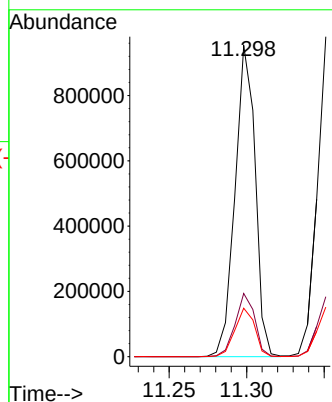
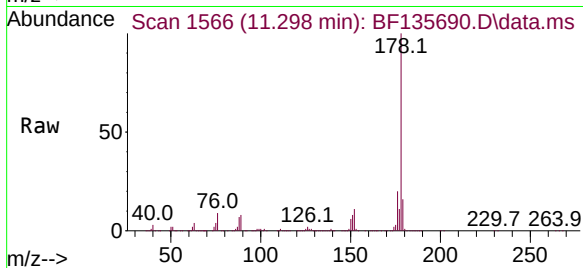
Tgt Ion:178 Resp: 862623

Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

179 15.5 12.0 18.0



#72

Anthracene

Concen: 48.063 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

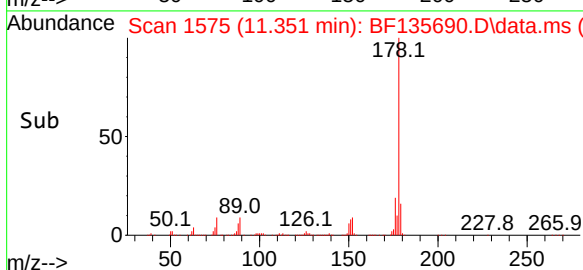
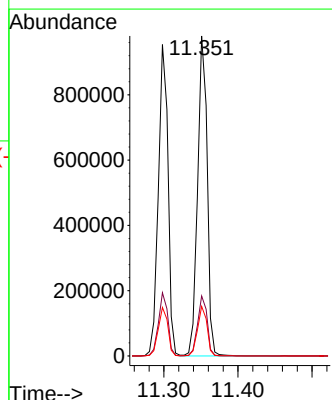
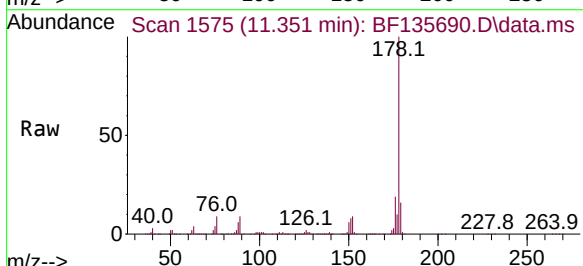
Tgt Ion:178 Resp: 876440

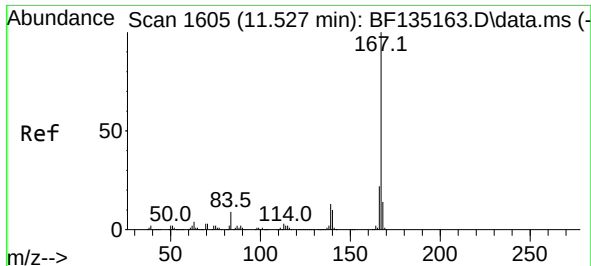
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.5 12.6 19.0

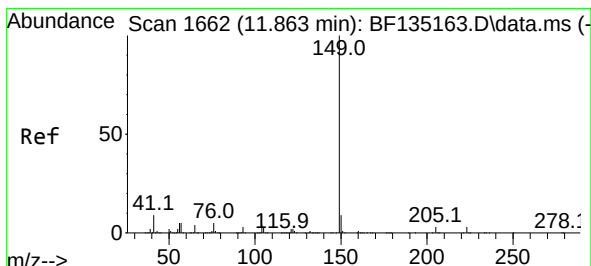
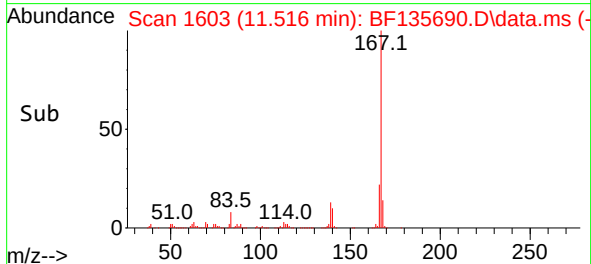
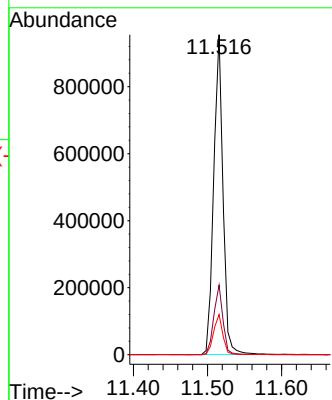
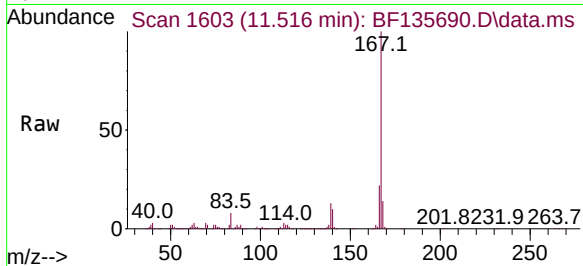




#73  
Carbazole  
Concen: 49.965 ng  
RT: 11.516 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

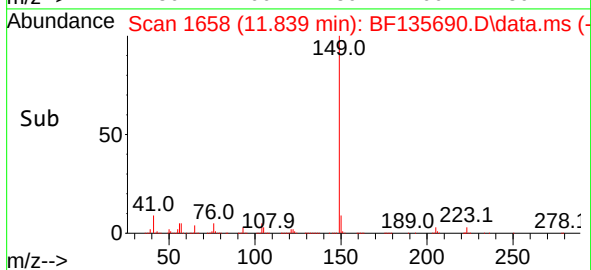
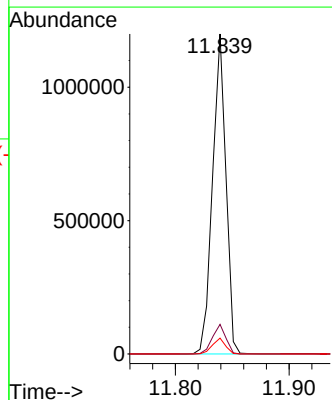
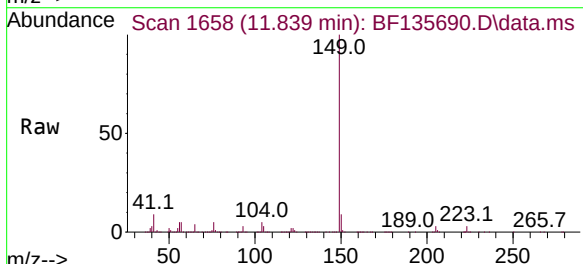
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

Tgt Ion:167 Resp: 829417  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.4 26.0  
139 12.5 10.6 15.8

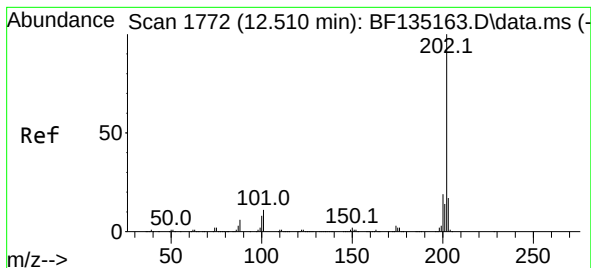


#74  
Di-n-butylphthalate  
Concen: 50.126 ng  
RT: 11.839 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:149 Resp: 980490  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.4 11.0  
104 5.0 3.6 5.4







#75

Fluoranthene

Concen: 50.027 ng

RT: 12.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

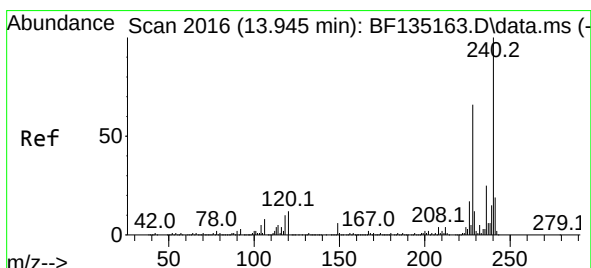
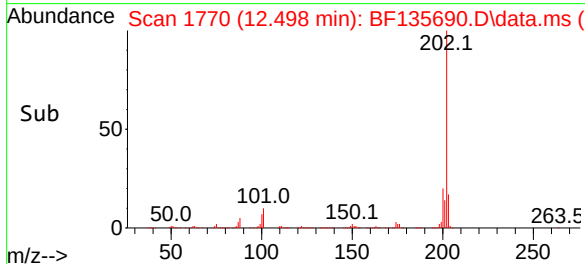
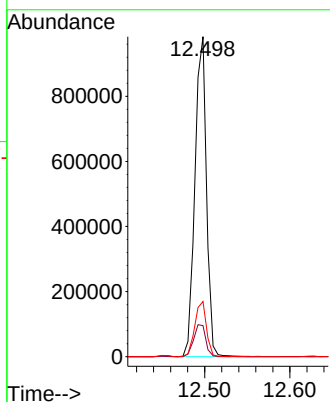
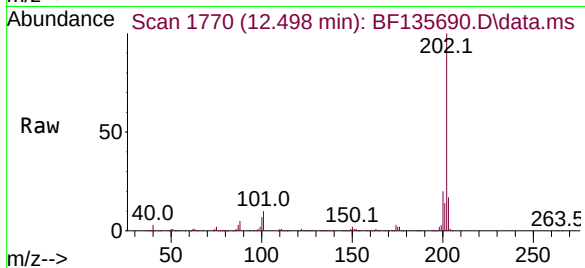
Tgt Ion:202 Resp: 924763

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.3

203 17.3 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

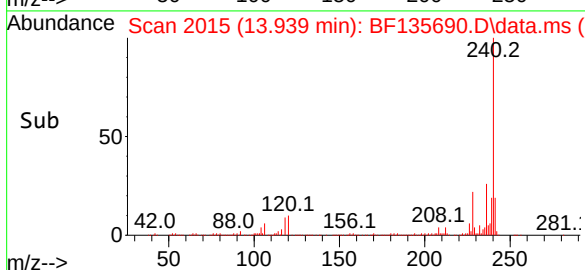
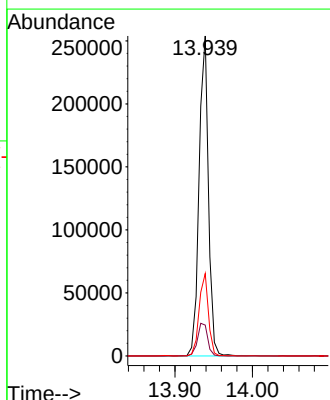
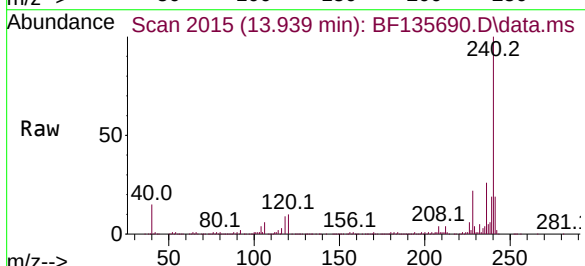
Tgt Ion:240 Resp: 212409

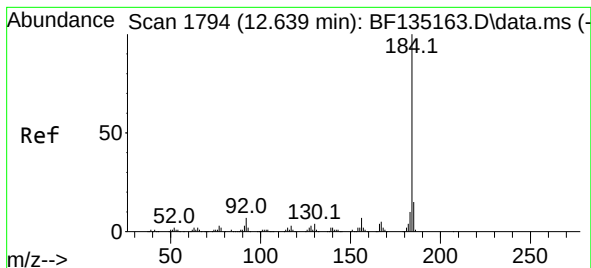
Ion Ratio Lower Upper

240 100

120 9.7 9.4 14.2

236 25.7 19.8 29.8





#77

Benzidine

Concen: 64.542 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

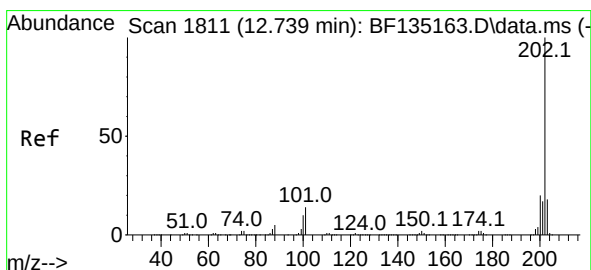
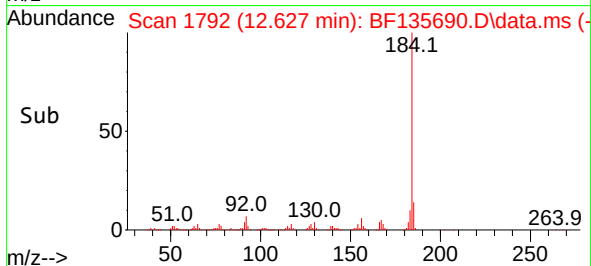
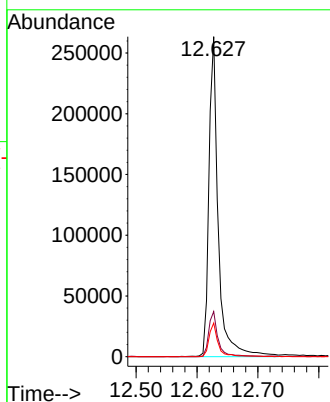
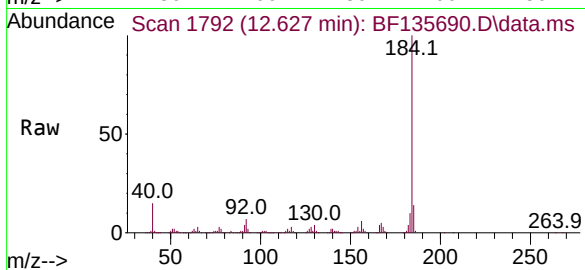
Tgt Ion:184 Resp: 280860

Ion Ratio Lower Upper

184 100

185 14.1 11.7 17.5

183 10.5 8.2 12.4



#78

Pyrene

Concen: 46.150 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

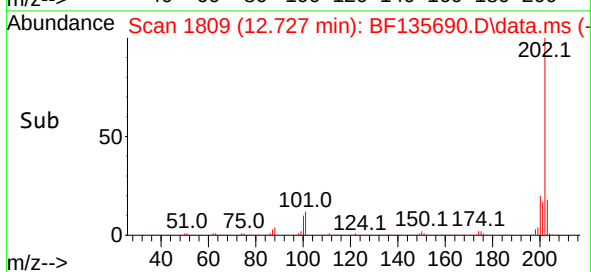
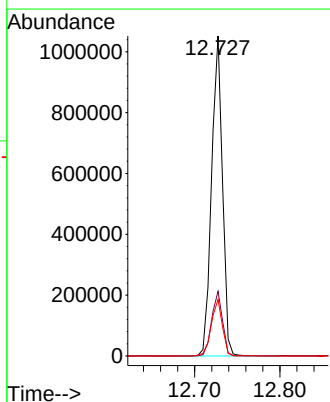
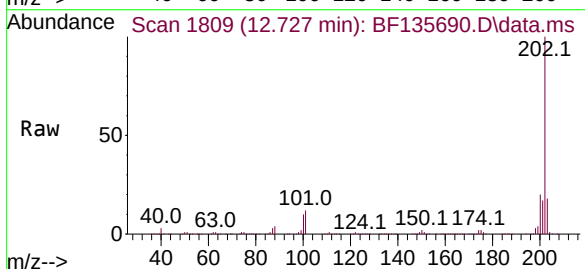
Tgt Ion:202 Resp: 933284

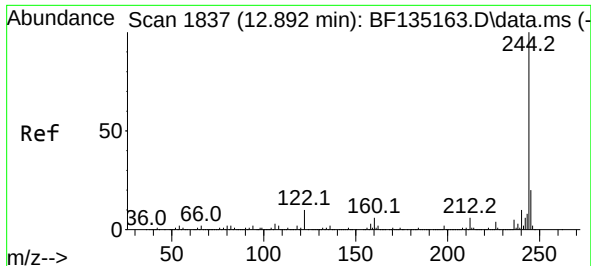
Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 17.7 14.2 21.4

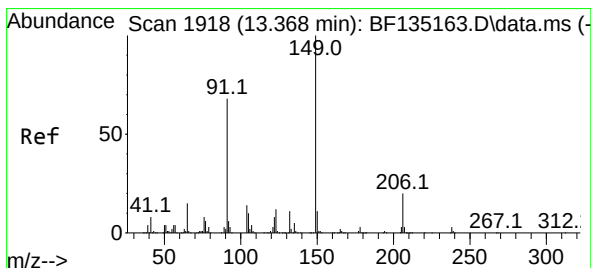
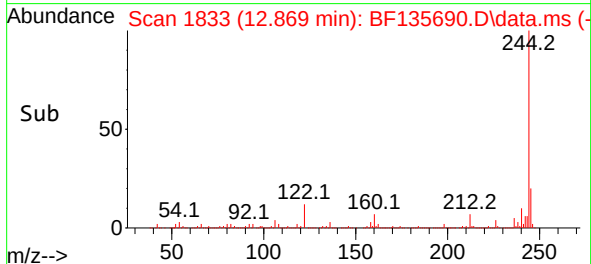
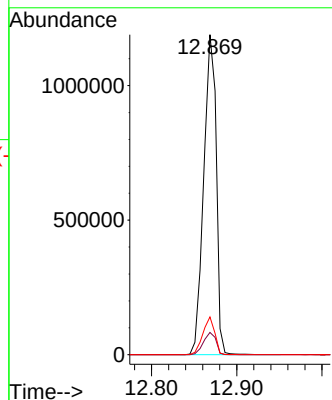
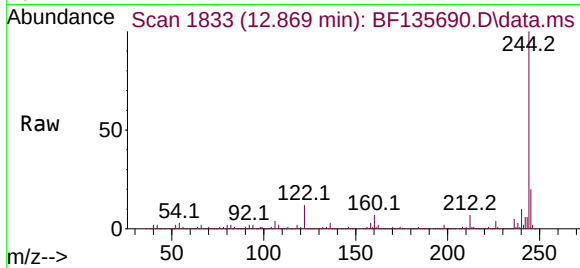




#79  
 Terphenyl-d14  
 Concen: 88.493 ng  
 RT: 12.869 min Scan# 1833  
 Delta R.T. 0.000 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

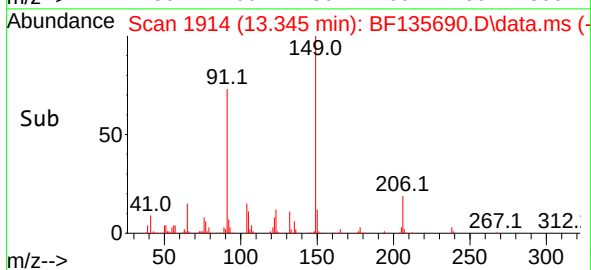
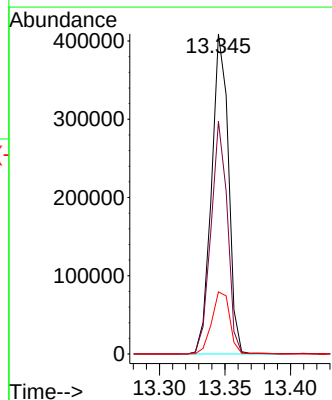
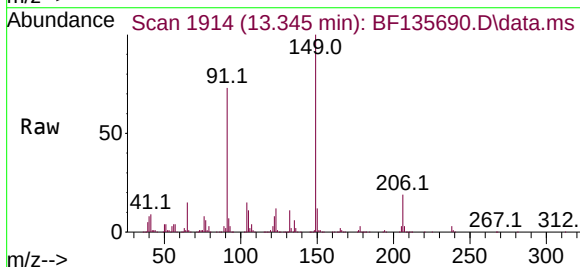
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156020BS

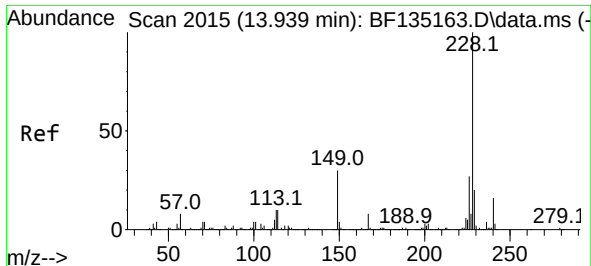
Tgt Ion:244 Resp: 1212542  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.1 7.7  
 122 11.8 7.9 11.9



#80  
 Butylbenzylphthalate  
 Concen: 51.459 ng  
 RT: 13.345 min Scan# 1914  
 Delta R.T. 0.000 min  
 Lab File: BF135690.D  
 Acq: 10 Oct 2023 17:58

Tgt Ion:149 Resp: 366395  
 Ion Ratio Lower Upper  
 149 100  
 91 72.7 54.7 82.1  
 206 19.4 16.3 24.5

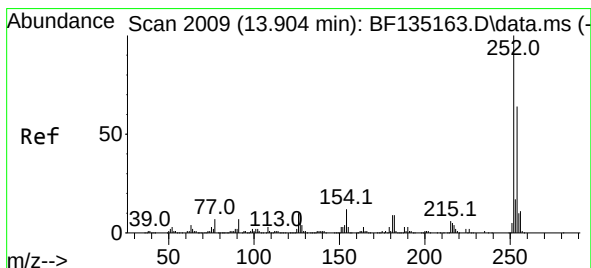
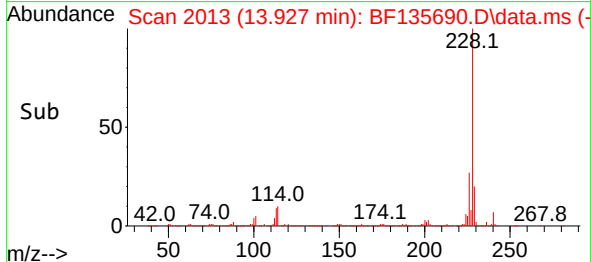
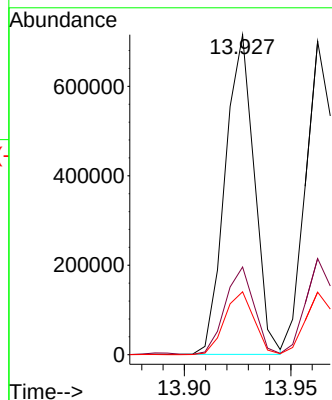
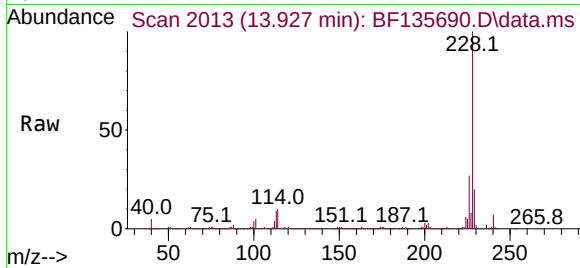




#81  
Benzo(a)anthracene  
Concen: 49.586 ng  
RT: 13.927 min Scan# 2015  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

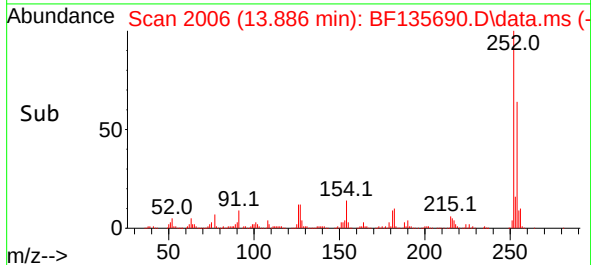
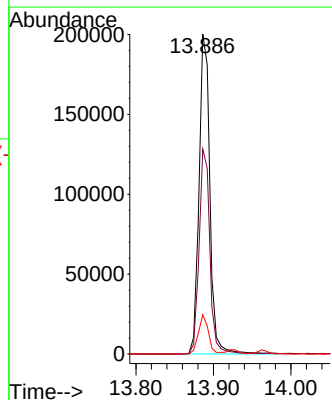
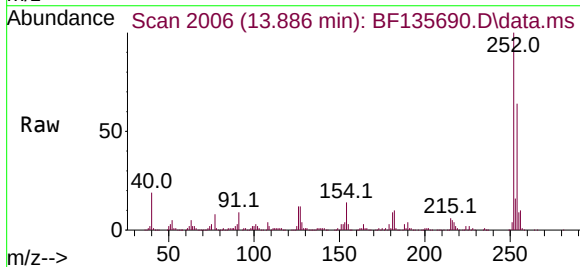
Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

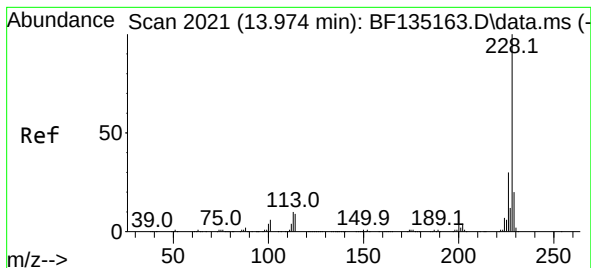
Tgt Ion:228 Resp: 680119  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.7 32.5  
229 19.7 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 45.252 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:252 Resp: 193870  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.0 76.4  
126 12.2 7.8 11.8#





#83

Chrysene

Concen: 46.640 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

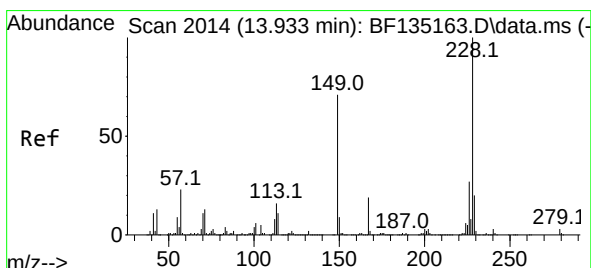
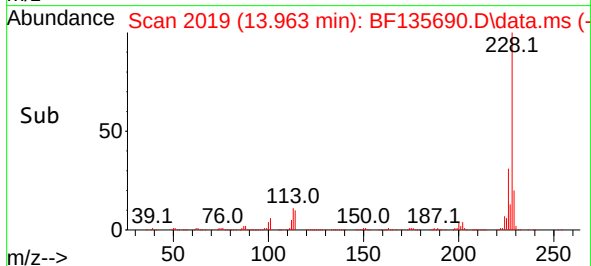
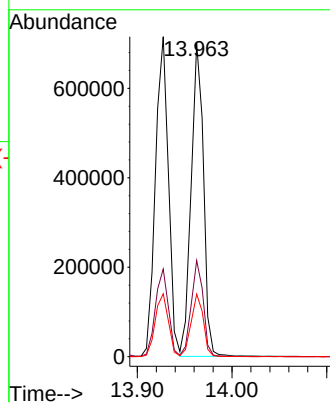
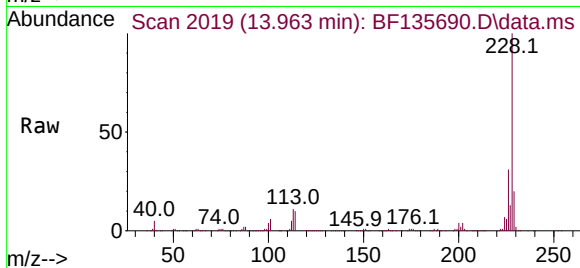
Tgt Ion:228 Resp: 636018

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 19.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.588 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

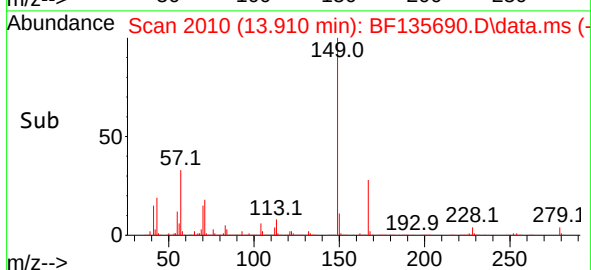
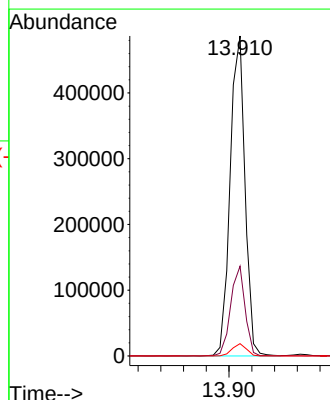
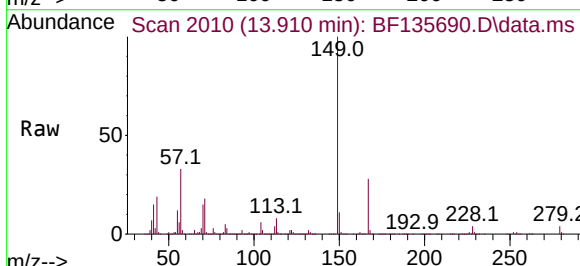
Tgt Ion:149 Resp: 442690

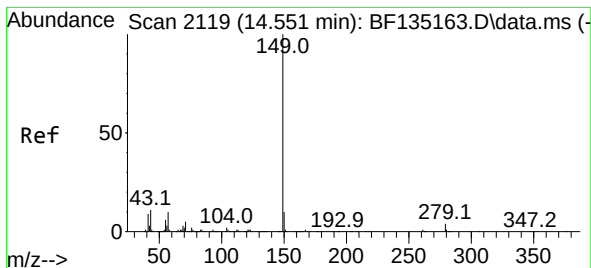
Ion Ratio Lower Upper

149 100

167 28.0 21.9 32.9

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 55.982 ng

RT: 14.527 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

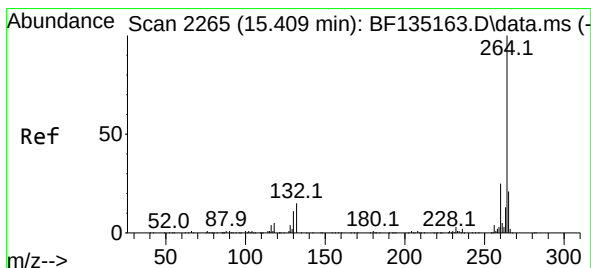
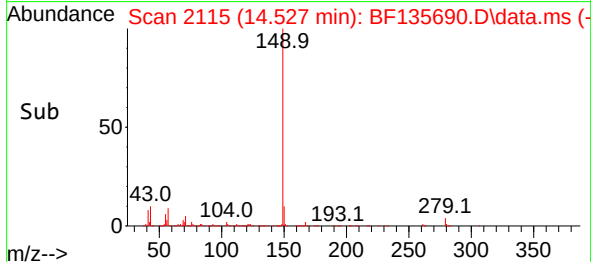
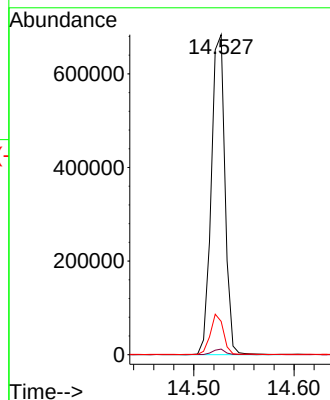
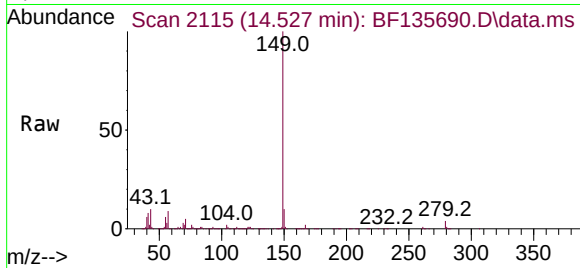
Tgt Ion:149 Resp: 650034

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.0 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

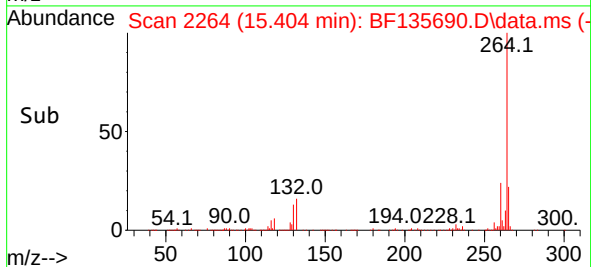
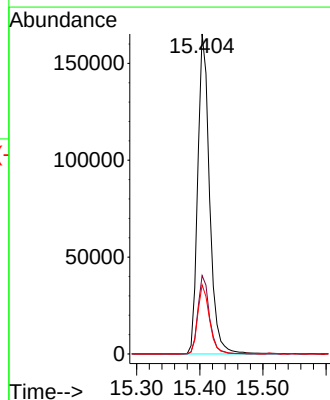
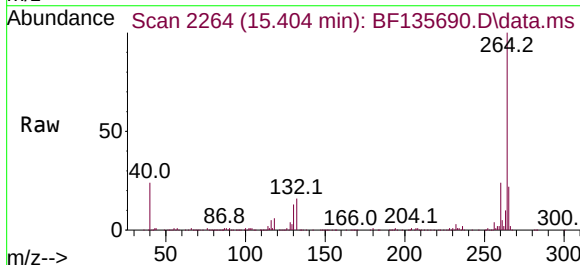
Tgt Ion:264 Resp: 214042

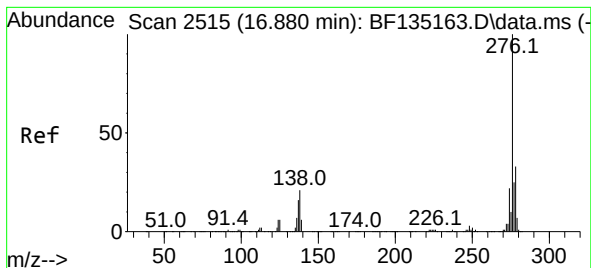
Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.547 ng

RT: 16.904 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

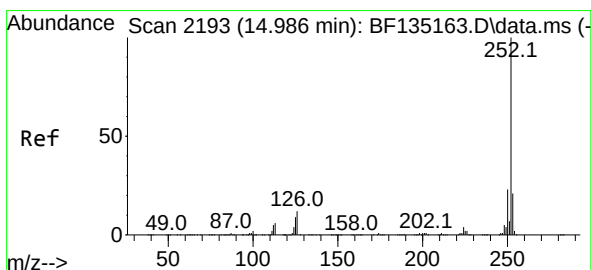
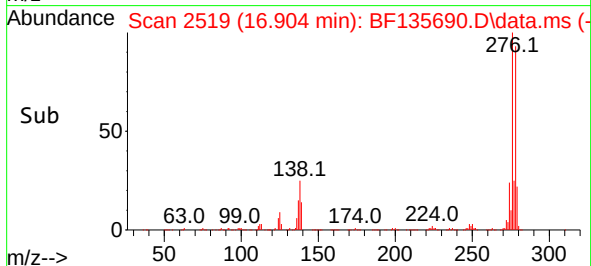
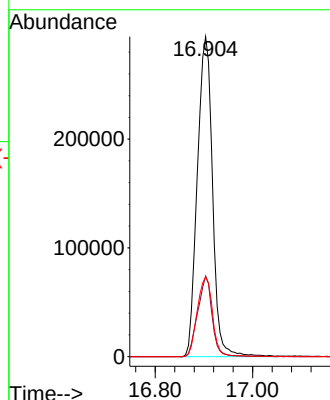
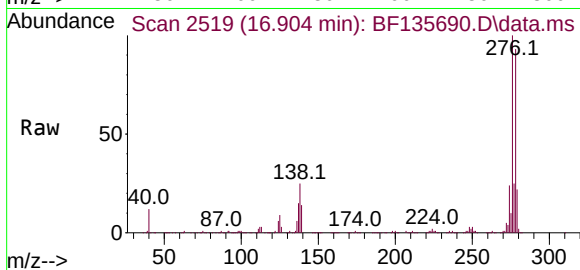
Tgt Ion:276 Resp: 639212

Ion Ratio Lower Upper

276 100

138 23.9 19.2 28.8

277 25.2 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 49.250 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

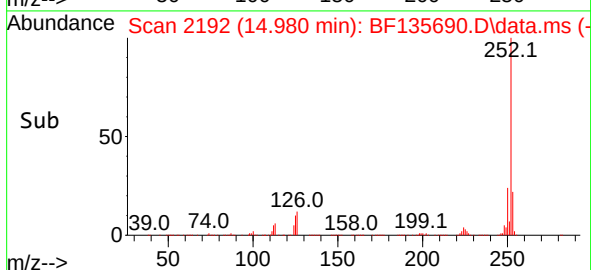
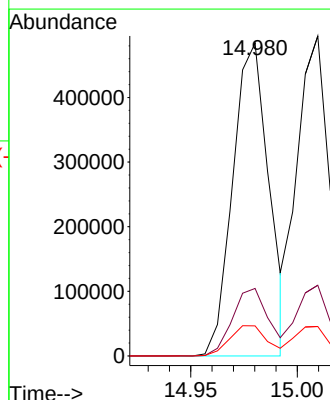
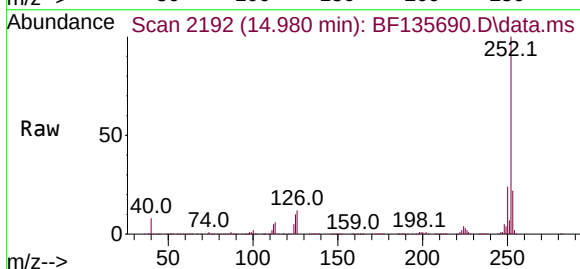
Tgt Ion:252 Resp: 570655

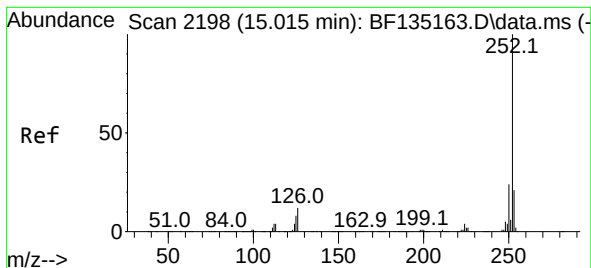
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 9.6 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 47.120 ng

RT: 15.010 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

Instrument :

BNA\_F

ClientSampleId :

PB156020BS

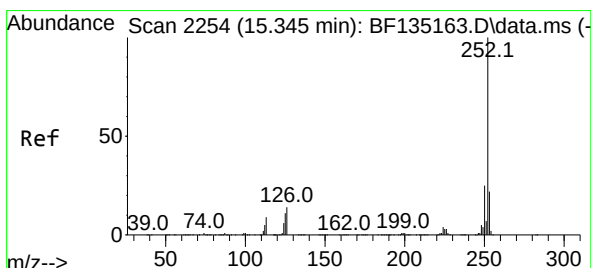
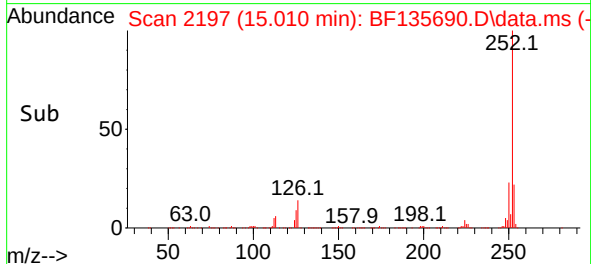
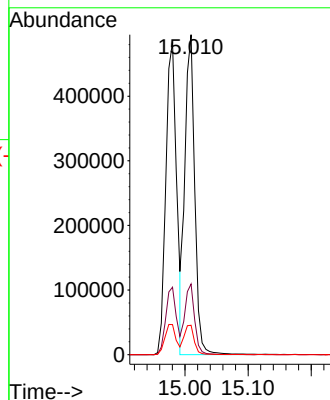
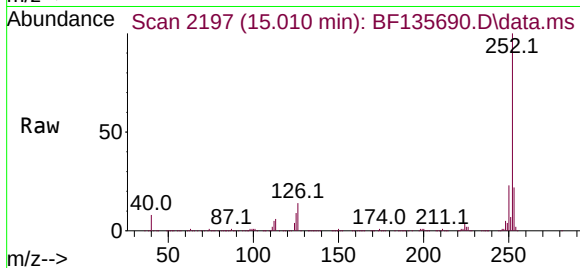
Tgt Ion:252 Resp: 539325

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 46.350 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135690.D

Acq: 10 Oct 2023 17:58

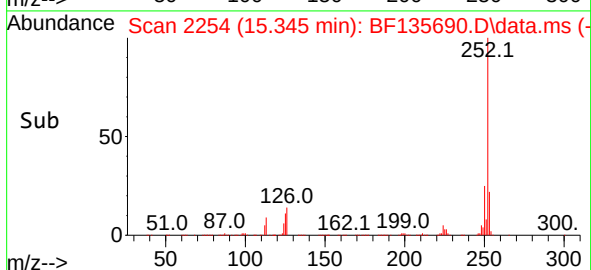
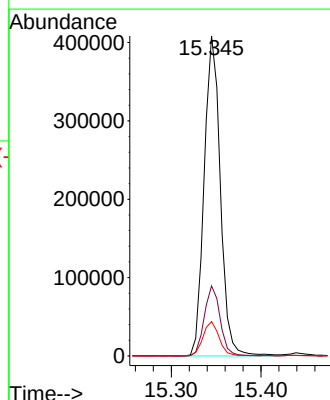
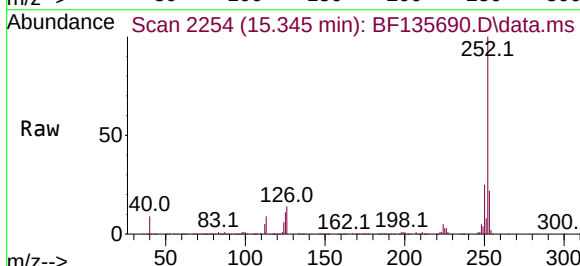
Tgt Ion:252 Resp: 512153

Ion Ratio Lower Upper

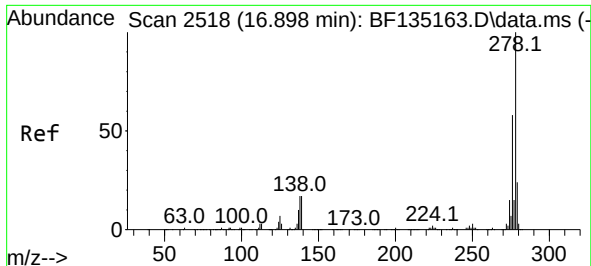
252 100

253 21.9 17.5 26.3

125 10.8 9.2 13.8



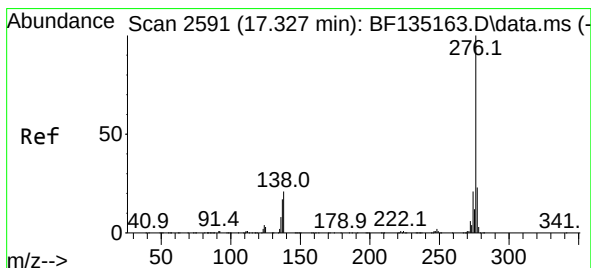
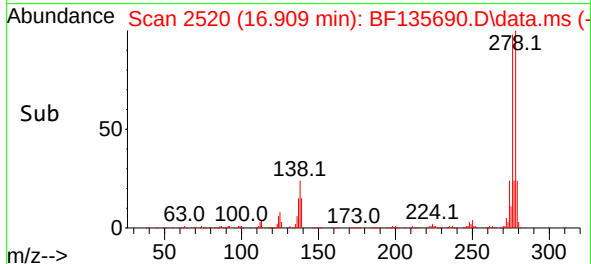
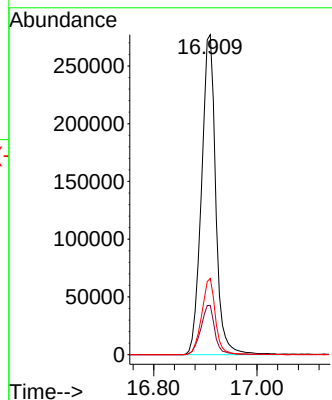
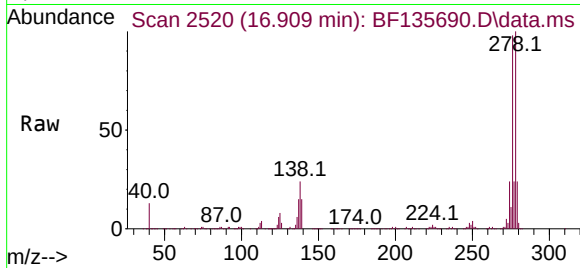




#91  
Dibenzo(a,h)anthracene  
Concen: 46.072 ng  
RT: 16.909 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB156020BS

Tgt Ion:278 Resp: 529041  
Ion Ratio Lower Upper  
278 100  
139 15.4 13.4 20.0  
279 23.8 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 44.767 ng  
RT: 17.351 min Scan# 2595  
Delta R.T. 0.000 min  
Lab File: BF135690.D  
Acq: 10 Oct 2023 17:58

Tgt Ion:276 Resp: 536864  
Ion Ratio Lower Upper  
276 100  
277 23.2 18.8 28.2  
138 20.4 16.9 25.3

