

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091223\  
 Data File : BF135180.D  
 Acq On : 12 Sep 2023 14:18  
 Operator : CG\JU  
 Sample : 04203-07MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 13 02:03:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 111688   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.039  | 136  | 443266   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.798  | 164  | 220638   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.292 | 188  | 425687   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 192697   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 227797   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 666660   | 97.082  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.404  | 99   | 856431   | 98.082  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.328  | 82   | 541732   | 66.398  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.598 | 330  | 230096   | 104.942 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.122  | 172  | 965751   | 66.038  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.886 | 244  | 886603   | 71.325  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.557  | 88   | 127727   | 42.429  | ng    | 99       |
| 3) Pyridine                   | 3.304  | 79   | 318585   | 39.322  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.269  | 42   | 209660   | 48.765  | ng    | 97       |
| 6) Aniline                    | 6.428  | 93   | 391188   | 34.164  | ng    | # 93     |
| 8) 2-Chlorophenol             | 6.551  | 128  | 365390   | 49.845  | ng    | 95       |
| 9) Benzaldehyde               | 6.316  | 77   | 135877   | 27.316  | ng    | 99       |
| 10) Phenol                    | 6.422  | 94   | 443192   | 46.288  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.504  | 93   | 337212   | 46.952  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.704  | 146  | 355178   | 47.675  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 361897   | 47.746  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.928  | 146  | 349776   | 49.692  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.910  | 79   | 308782   | 49.280  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.039  | 45   | 630929   | 46.605  | ng    | 97       |
| 17) 2-Methylphenol            | 7.022  | 107  | 279551   | 43.214  | ng    | 98       |
| 18) Hexachloroethane          | 7.269  | 117  | 138439   | 49.432  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.181  | 70   | 240088   | 44.391  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.175  | 107  | 335811   | 43.171  | ng    | 96       |
| 22) Acetophenone              | 7.175  | 105  | 466165   | 45.999  | ng    | 98       |
| 24) Nitrobenzene              | 7.345  | 77   | 378618   | 46.951  | ng    | 98       |
| 25) Isophorone                | 7.586  | 82   | 699822   | 46.711  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.663  | 139  | 192036   | 49.617  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.704  | 122  | 290566   | 44.664  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.798  | 93   | 423286   | 47.204  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 295024   | 48.940  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.986  | 180  | 308278   | 48.926  | ng    | 99       |
| 31) Naphthalene               | 8.063  | 128  | 1031570  | 47.898  | ng    | 100      |
| 32) Benzoic acid              | 7.845  | 122  | 236617   | 48.301  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 296432   | 31.371  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.181  | 225  | 184136   | 48.466  | ng    | 99       |
| 35) Caprolactam               | 8.498  | 113  | 55383    | 27.374  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.610  | 107  | 330268   | 49.294  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.757  | 142  | 657469   | 45.414  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.857  | 142  | 622827   | 45.952  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.922  | 216  | 306577   | 47.962  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.910  | 237  | 273729   | 95.600  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.039  | 196  | 213984   | 51.129  | ng    | 99       |

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 Sample : 04203-07MSD  
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 ALS Vial : 12 Sample Multiplier: 1

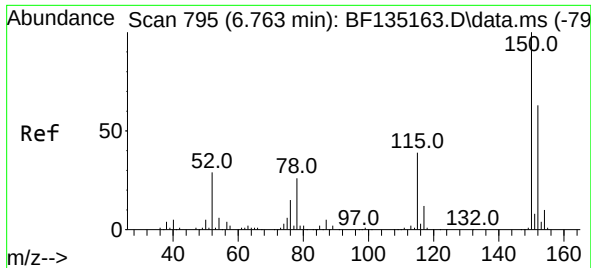
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 13 02:03:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.080  | 196  | 236384   | 49.046  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.222  | 154  | 819205   | 48.314  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.245  | 162  | 616854   | 50.141  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.351  | 65   | 239481   | 50.107  | ng    | 99       |
| 49) Acenaphthylene            | 9.663  | 152  | 1013425  | 49.567  | ng    | 99       |
| 50) Dimethylphthalate         | 9.533  | 163  | 723667   | 48.512  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.598  | 165  | 165072   | 50.513  | ng    | # 85     |
| 52) Acenaphthene              | 9.833  | 154  | 582020   | 48.188  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.763  | 138  | 154717   | 40.333  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.880  | 184  | 175660   | 93.540  | ng    | 90       |
| 55) Dibenzofuran              | 10.010 | 168  | 868455   | 47.119  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 261122   | 107.107 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 197845   | 48.360  | ng    | 93       |
| 58) Fluorene                  | 10.351 | 166  | 673754   | 47.551  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.127 | 232  | 191604   | 51.680  | ng    | 100      |
| 60) Diethylphthalate          | 10.233 | 149  | 717059   | 47.897  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204  | 310322   | 45.593  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.386 | 138  | 176553   | 47.881  | ng    | 99       |
| 63) Azobenzene                | 10.504 | 77   | 700359   | 47.800  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.416 | 198  | 113120   | 50.032  | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.469 | 169  | 619805   | 48.093  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.839 | 248  | 202022   | 47.717  | ng    | 96       |
| 68) Hexachlorobenzene         | 10.898 | 284  | 220099   | 51.029  | ng    | # 90     |
| 69) Atrazine                  | 11.004 | 200  | 187375   | 54.035  | ng    | 97       |
| 70) Pentachlorophenol         | 11.098 | 266  | 208754   | 80.893  | ng    | 98       |
| 71) Phenanthrene              | 11.316 | 178  | 975255   | 48.440  | ng    | 98       |
| 72) Anthracene                | 11.369 | 178  | 999782   | 48.311  | ng    | 99       |
| 73) Carbazole                 | 11.527 | 167  | 934416   | 49.600  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.863 | 149  | 1046159  | 47.127  | ng    | 99       |
| 75) Fluoranthene              | 12.510 | 202  | 954072   | 45.478  | ng    | 99       |
| 77) Benzidine                 | 12.633 | 184  | 193239   | 48.949  | ng    | 98       |
| 78) Pyrene                    | 12.739 | 202  | 942891   | 51.394  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.368 | 149  | 338316   | 52.376  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.939 | 228  | 606032   | 48.705  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.898 | 252  | 191315   | 49.224  | ng    | # 98     |
| 83) Chrysene                  | 13.974 | 228  | 604193   | 48.839  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 363272   | 54.805  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.551 | 149  | 592622   | 56.258  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 734787   | 49.196  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 611532   | 49.591  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 557227   | 45.744  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 539768   | 45.900  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.903 | 278  | 594340   | 48.634  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 602157   | 47.180  | ng    | 99       |

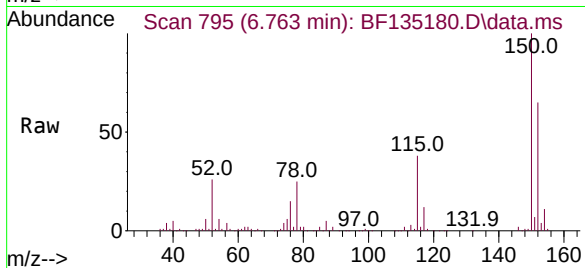
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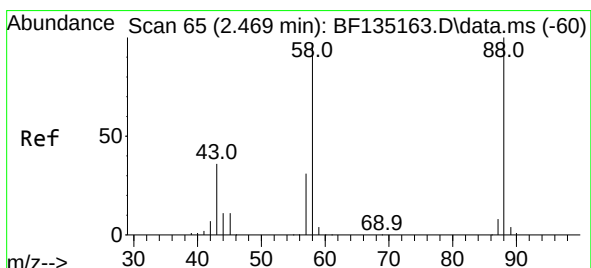
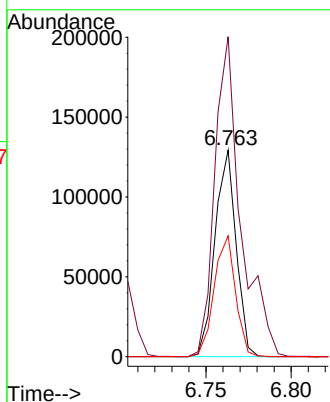
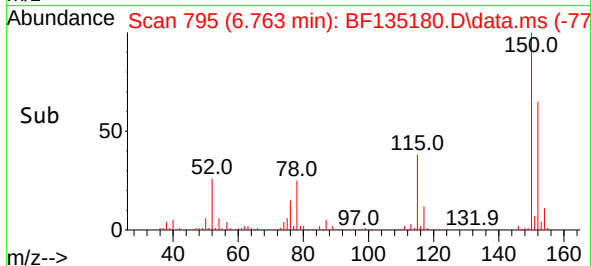


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.763 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: BF135180.D  
 Acq: 12 Sep 2023 14:18

Instrument :  
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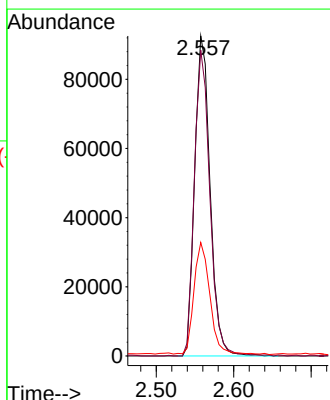
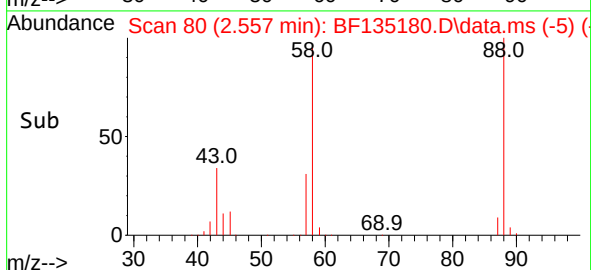
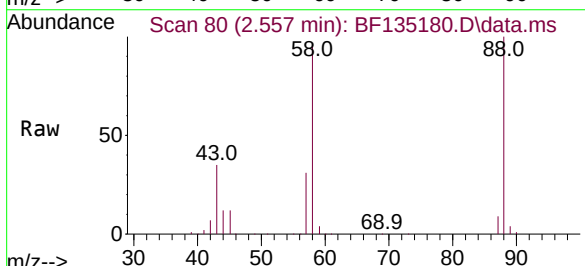


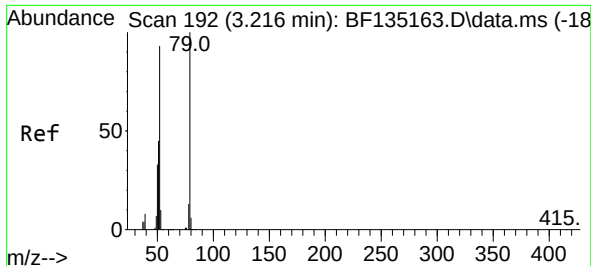
Tgt Ion:152 Resp: 111688  
 Ion Ratio Lower Upper  
 152 100  
 150 154.9 127.8 191.6  
 115 58.5 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 42.429 ng  
 RT: 2.557 min Scan# 80  
 Delta R.T. 0.088 min  
 Lab File: BF135180.D  
 Acq: 12 Sep 2023 14:18

Tgt Ion: 88 Resp: 127727  
 Ion Ratio Lower Upper  
 88 100  
 58 96.8 78.3 117.5  
 43 36.3 29.4 44.0





#3

Pyridine

Concen: 39.322 ng

RT: 3.304 min Scan# 20

Delta R.T. 0.088 min

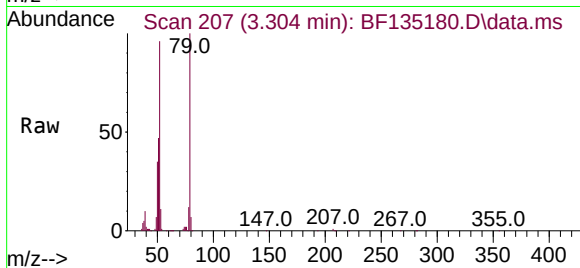
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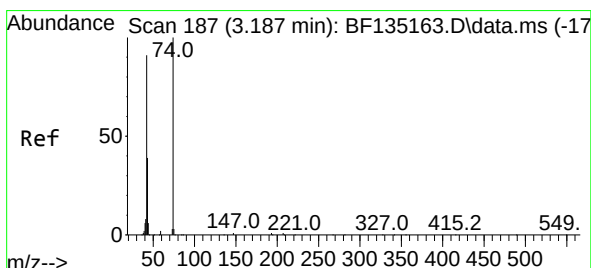
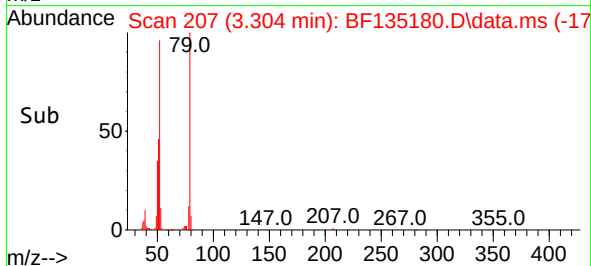
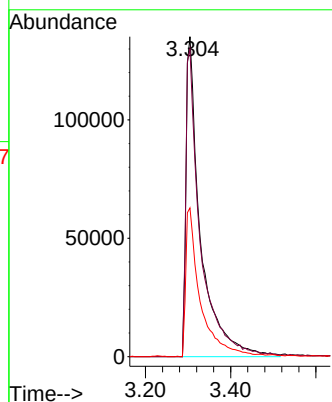
Tgt Ion: 79 Resp: 318585

Ion Ratio Lower Upper

79 100

52 96.2 74.1 111.1

51 46.5 35.8 53.8



#4

n-Nitrosodimethylamine

Concen: 48.765 ng

RT: 3.269 min Scan# 201

Delta R.T. 0.082 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

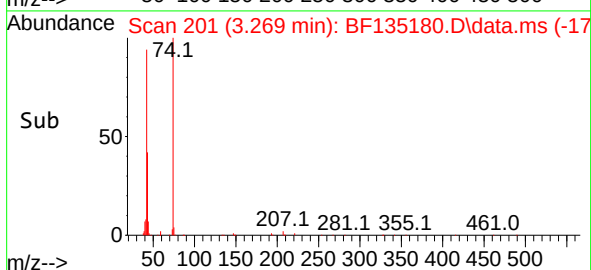
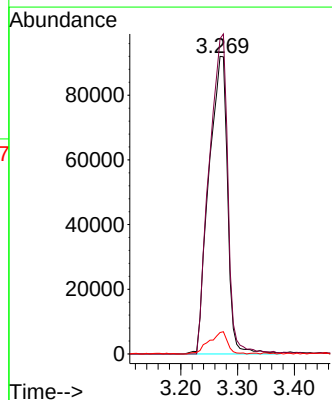
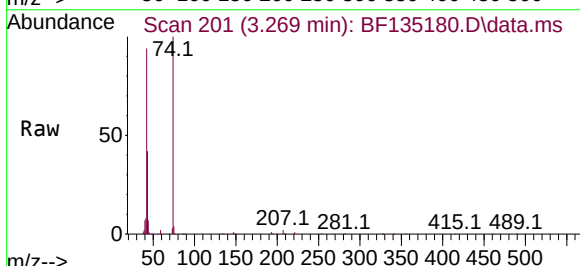
Tgt Ion: 42 Resp: 209660

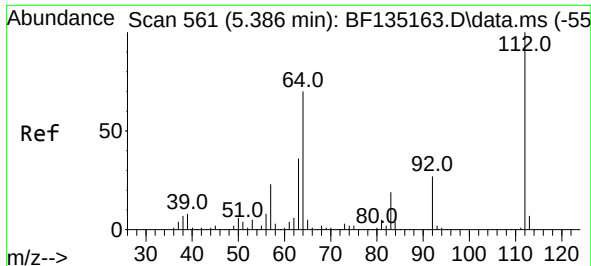
Ion Ratio Lower Upper

42 100

74 105.9 87.7 131.5

44 7.2 5.6 8.4

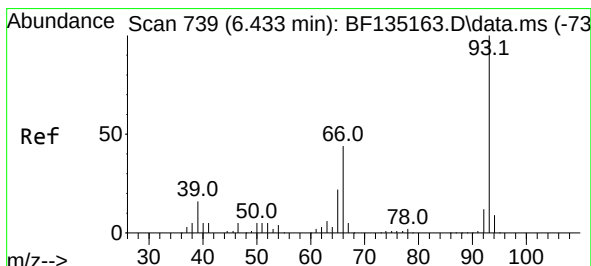
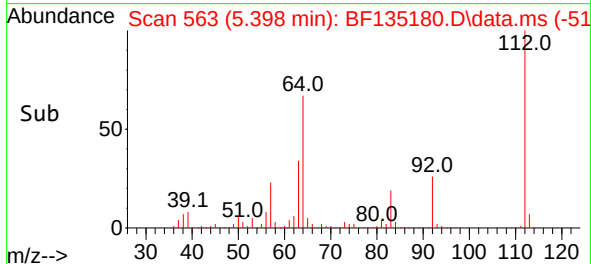
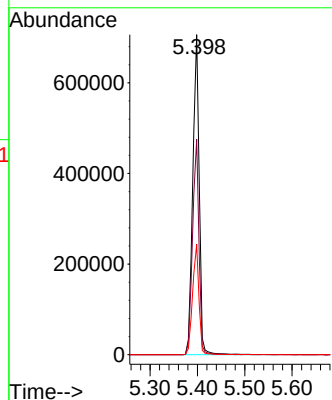
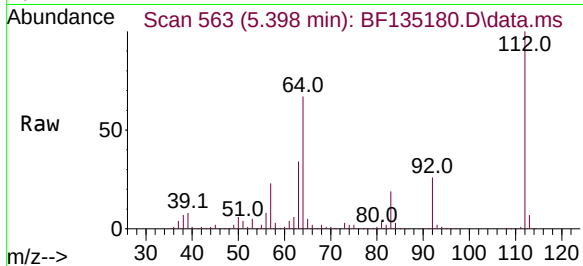




#5  
2-Fluorophenol  
Concen: 97.082 ng  
RT: 5.398 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

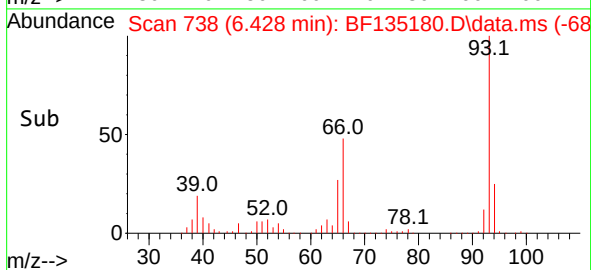
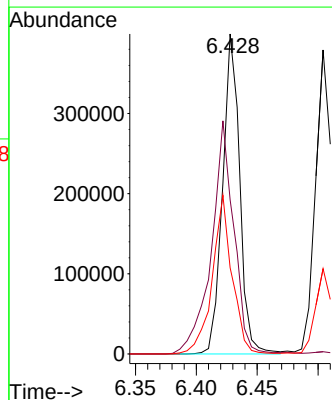
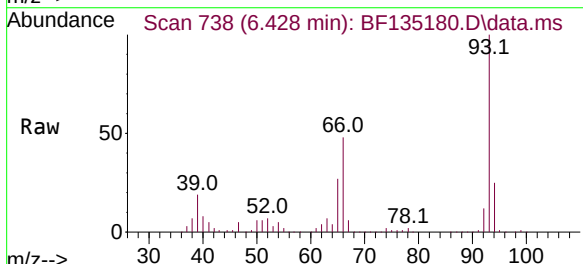
Instrument :  
BNA\_F  
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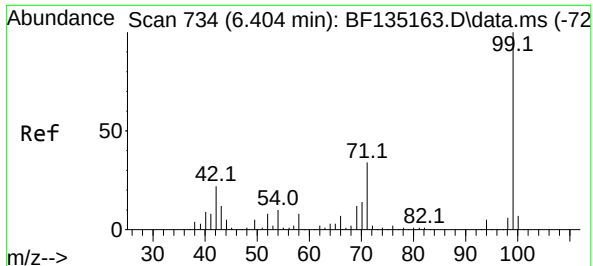
Tgt Ion:112 Resp: 666660  
Ion Ratio Lower Upper  
112 100  
64 67.3 55.9 83.9  
63 34.5 29.0 43.6



#6  
Aniline  
Concen: 34.164 ng  
RT: 6.428 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

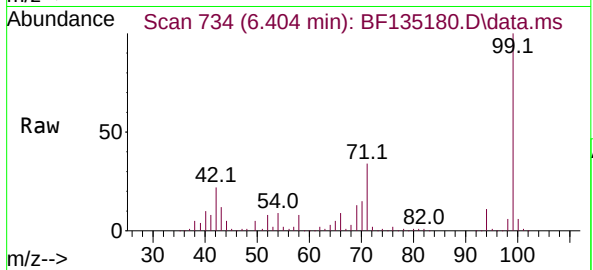
Tgt Ion: 93 Resp: 391188  
Ion Ratio Lower Upper  
93 100  
66 48.2 35.4 53.0  
65 27.0 17.8 26.8#



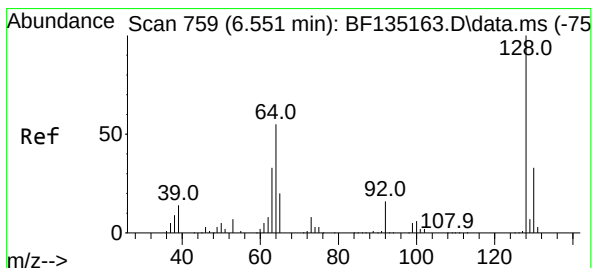
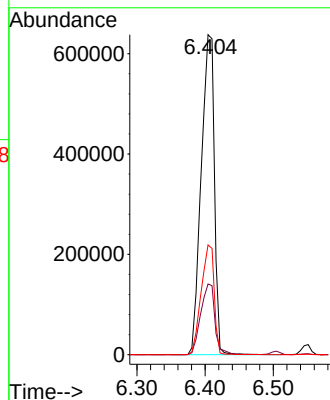
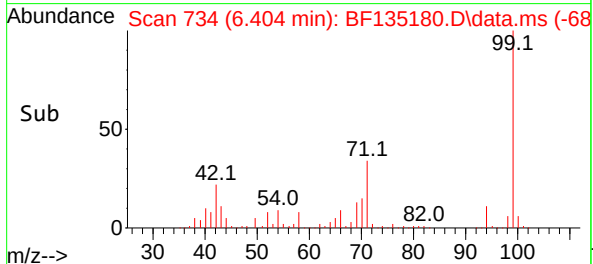


#7  
Phenol-d6  
Concen: 98.082 ng  
RT: 6.404 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

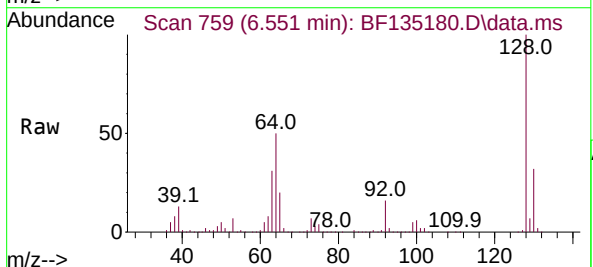
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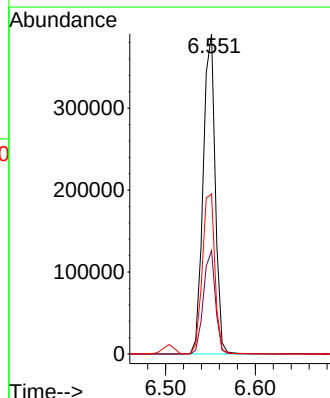
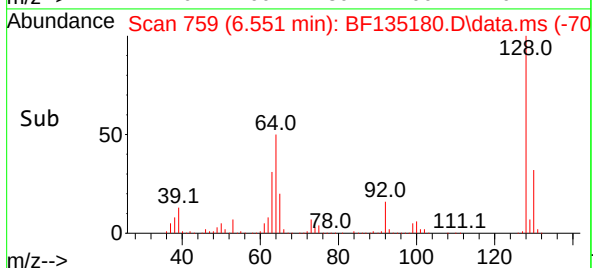
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Ion Ratio Lower Upper  
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71 34.3 27.0 40.6

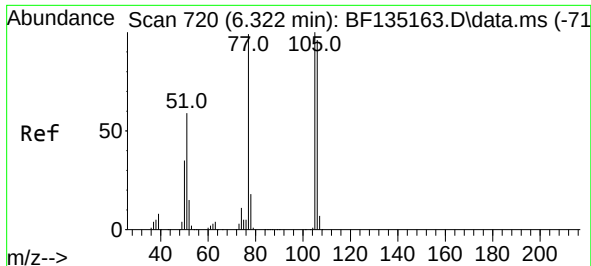


#8  
2-Chlorophenol  
Concen: 49.845 ng  
RT: 6.551 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18



Tgt Ion: 128 Resp: 365390  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.7 52.7  
64 50.0 35.9 75.9





#9

Benzaldehyde

Concen: 27.316 ng

RT: 6.316 min Scan# 719

Delta R.T. -0.006 min

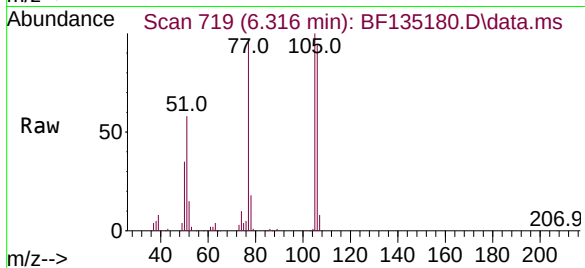
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Instrument :

BNA\_F

ClientSampleId :



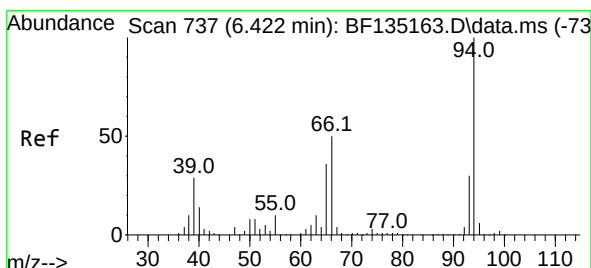
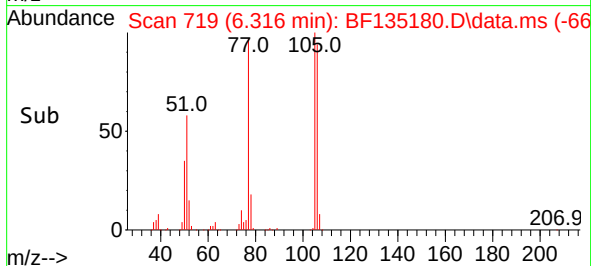
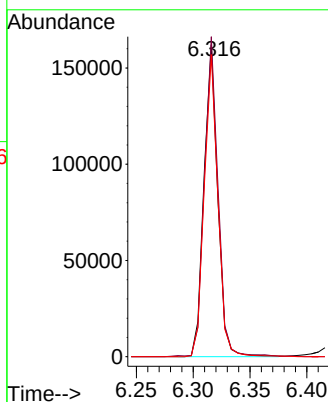
Tgt Ion: 77 Resp: 135877

Ion Ratio Lower Upper

77 100

105 102.6 81.4 121.4

106 96.8 76.9 116.9



#10

Phenol

Concen: 46.288 ng

RT: 6.422 min Scan# 737

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

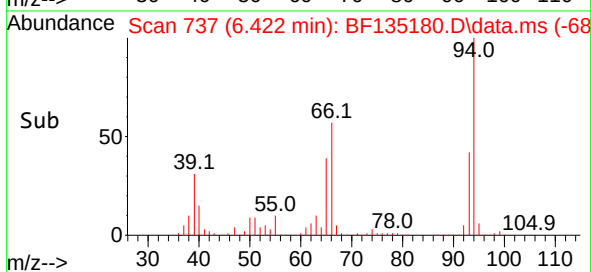
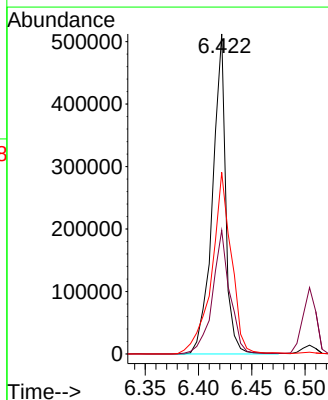
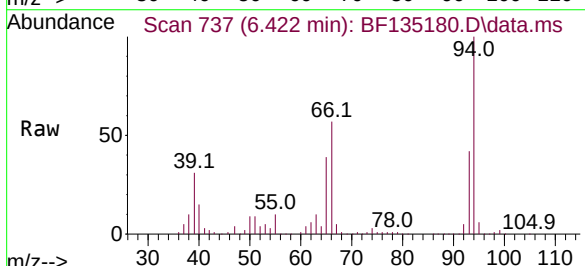
Tgt Ion: 94 Resp: 443192

Ion Ratio Lower Upper

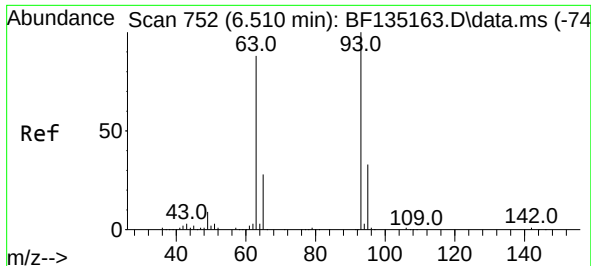
94 100

65 38.6 15.9 55.9

66 56.8 29.8 69.8



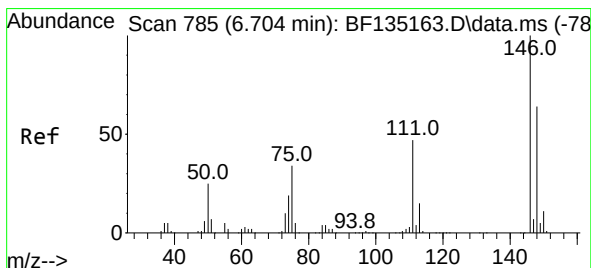
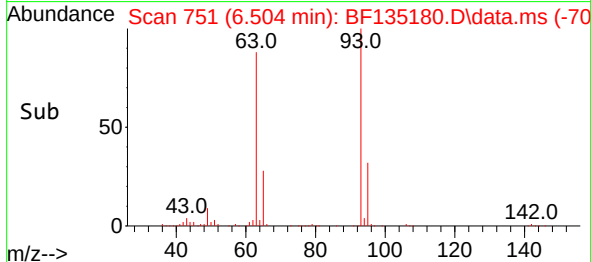
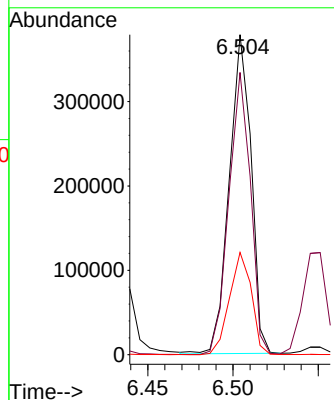
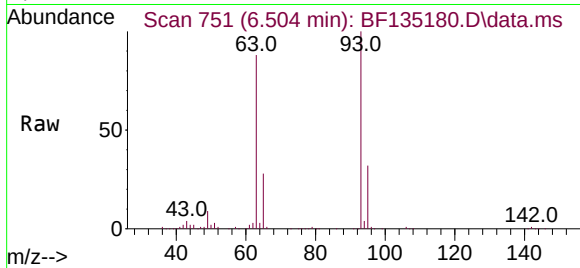




#11  
bis(2-Chloroethyl)ether  
Concen: 46.952 ng  
RT: 6.504 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

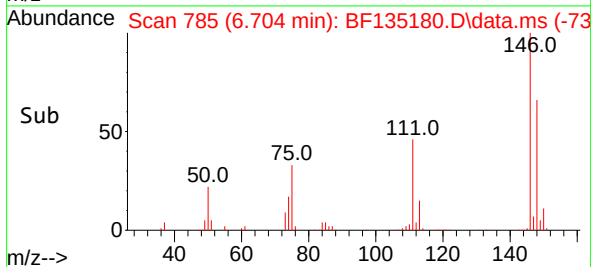
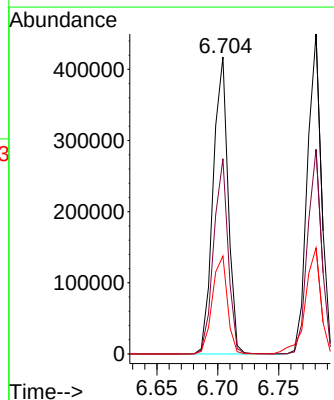
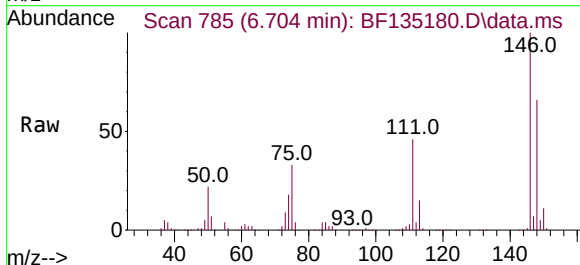
Instrument :  
BNA\_F  
ClientSampleId :

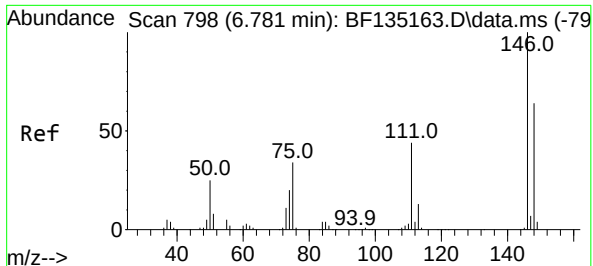
Tgt Ion: 93 Resp: 337212  
Ion Ratio Lower Upper  
93 100  
63 88.2 67.3 107.3  
95 32.0 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 47.675 ng  
RT: 6.704 min Scan# 785  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:146 Resp: 355178  
Ion Ratio Lower Upper  
146 100  
148 65.7 51.3 76.9  
75 33.0 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 47.746 ng

RT: 6.781 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

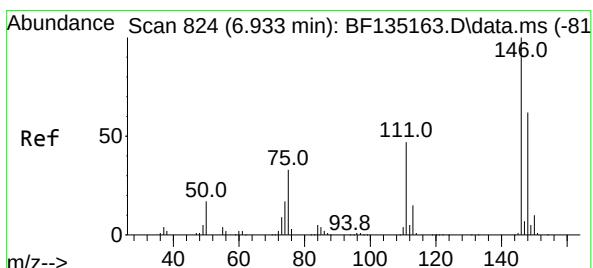
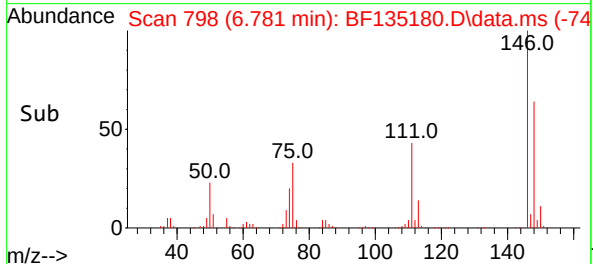
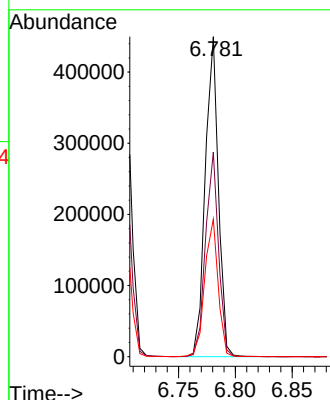
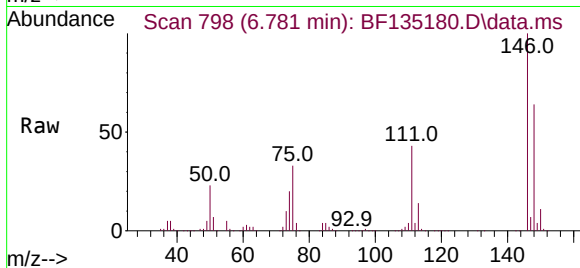
Tgt Ion:146 Resp: 361897

Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

111 43.0 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 49.692 ng

RT: 6.928 min Scan# 823

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

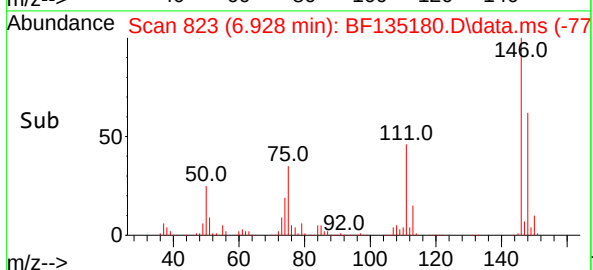
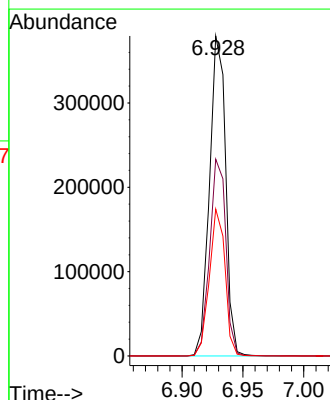
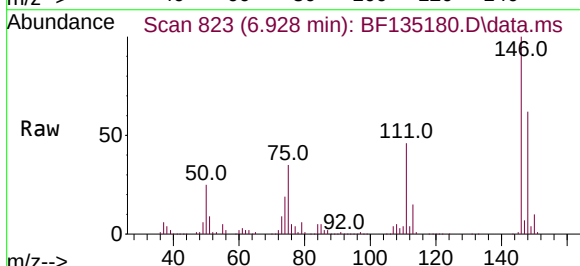
Tgt Ion:146 Resp: 349776

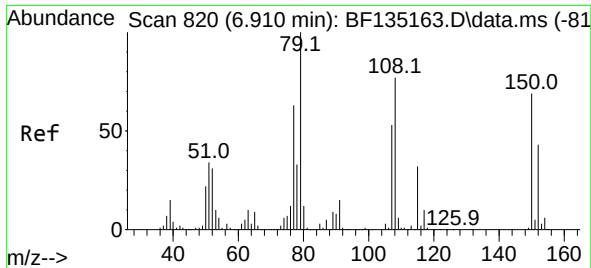
Ion Ratio Lower Upper

146 100

148 61.5 49.7 74.5

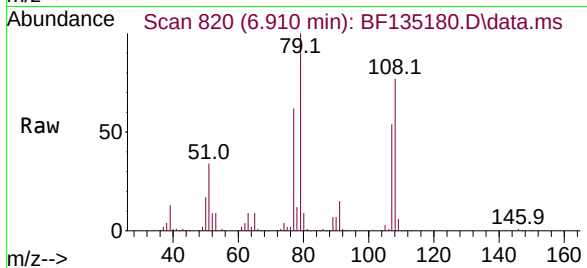
111 45.9 37.4 56.2



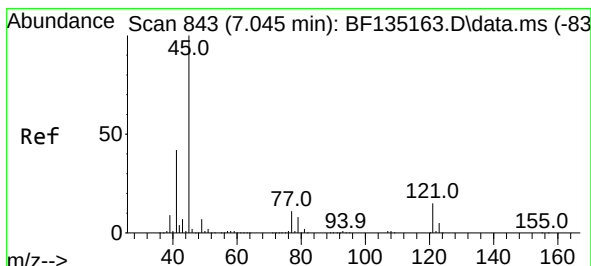
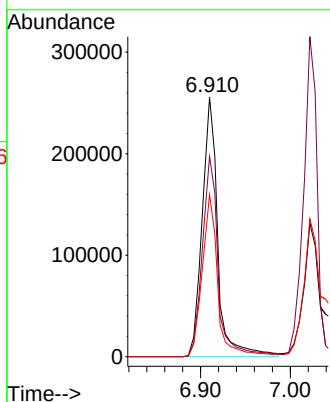
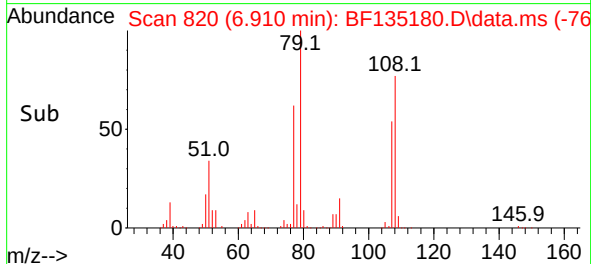


#15  
Benzyl Alcohol  
Concen: 49.280 ng  
RT: 6.910 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Instrument :  
BNA\_F  
ClientSampleId :

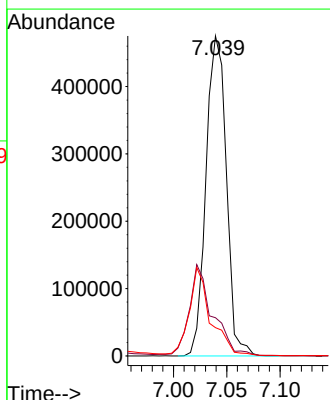
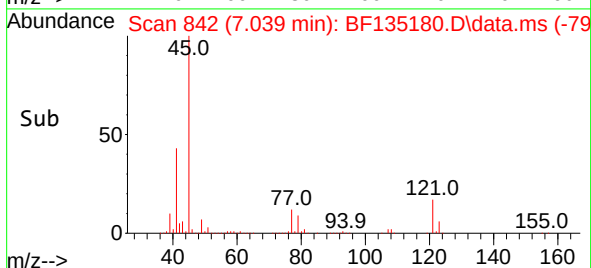
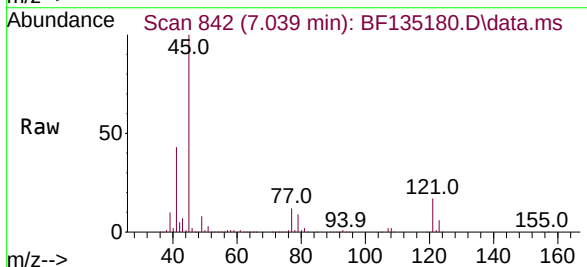


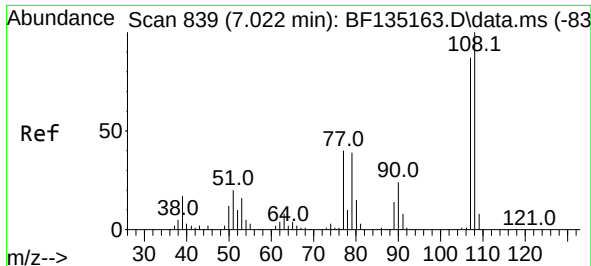
Tgt Ion: 79 Resp: 308782  
Ion Ratio Lower Upper  
79 100  
108 77.1 61.2 91.8  
77 62.4 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.605 ng  
RT: 7.039 min Scan# 842  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

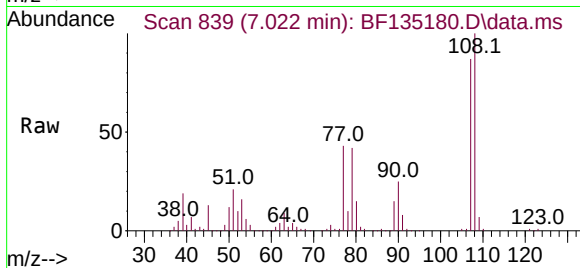
Tgt Ion: 45 Resp: 630929  
Ion Ratio Lower Upper  
45 100  
77 12.0 0.0 30.6  
79 8.8 0.0 28.3



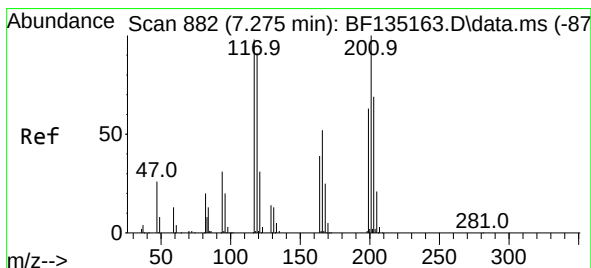
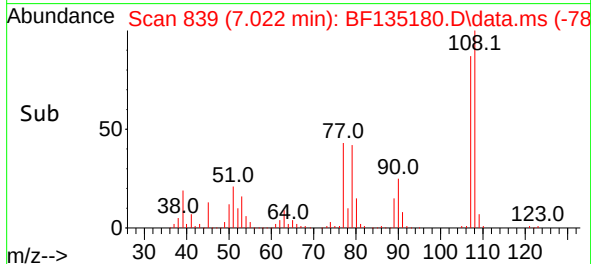
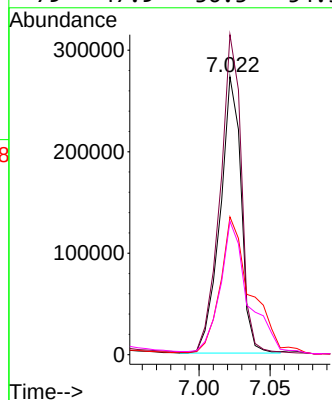


#17  
2-Methylphenol  
Concen: 43.214 ng  
RT: 7.022 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Instrument :  
BNA\_F  
ClientSampleId :

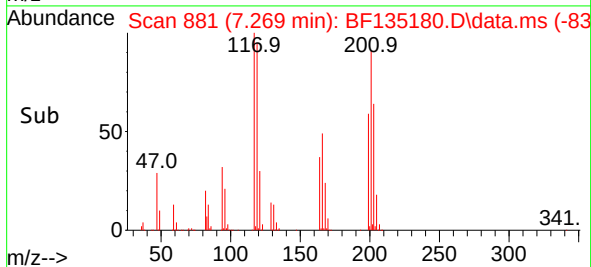
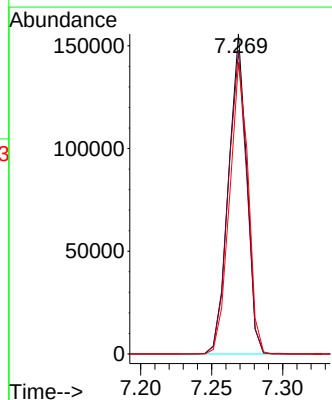
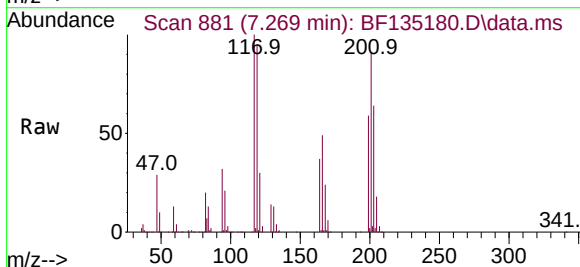


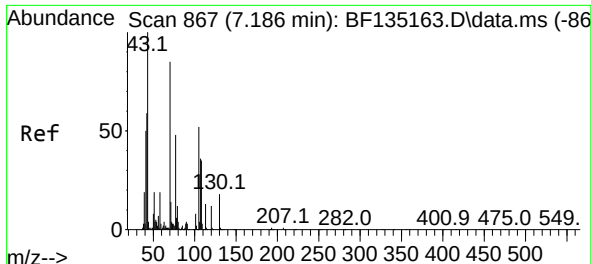
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 115.1 | 92.0  | 138.0 |
| 77      | 49.6  | 36.7  | 55.1  |
| 79      | 47.9  | 36.3  | 54.5  |



#18  
Hexachloroethane  
Concen: 49.432 ng  
RT: 7.269 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 74.7  | 112.1 |
| 201     | 91.1  | 81.8  | 122.8 |

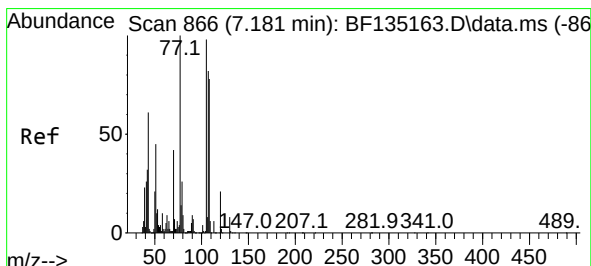
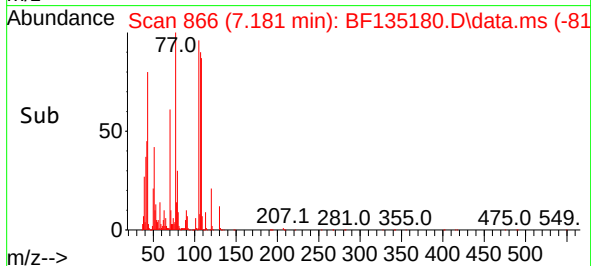
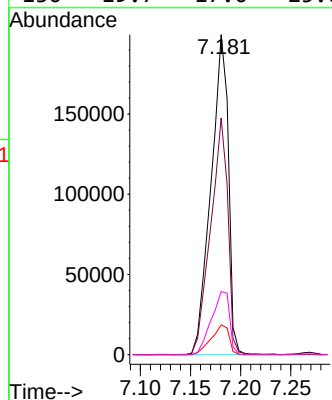
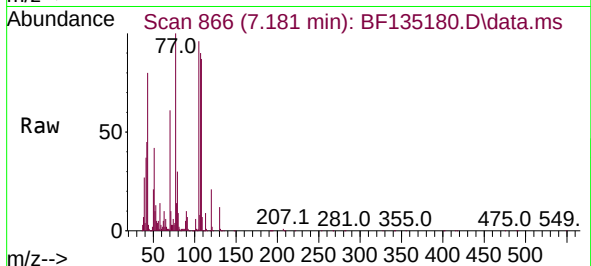




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.391 ng  
RT: 7.181 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

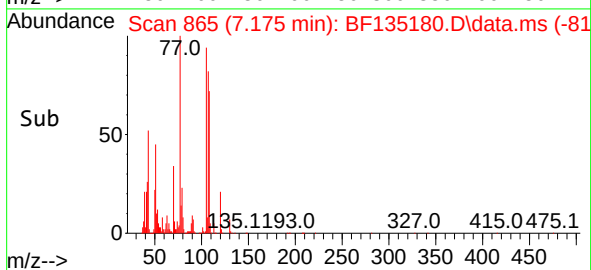
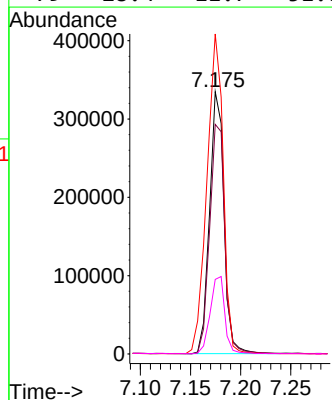
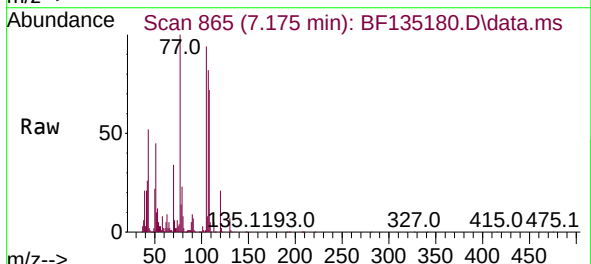
Instrument :  
BNA\_F  
ClientSampleId :

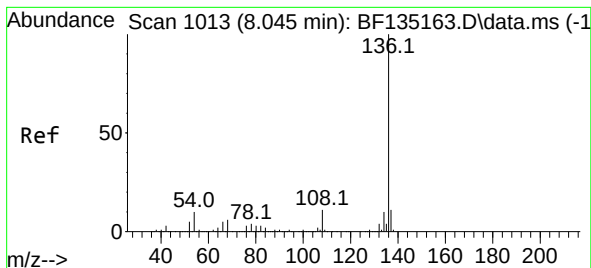
Tgt Ion: 70 Resp: 240088  
Ion Ratio Lower Upper  
70 100  
42 73.9 55.4 83.0  
101 9.3 7.7 11.5  
130 19.7 17.0 25.6



#20  
3+4-Methylphenols  
Concen: 43.171 ng  
RT: 7.175 min Scan# 865  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:107 Resp: 335811  
Ion Ratio Lower Upper  
107 100  
108 87.6 74.7 114.7  
77 122.0 102.0 142.0  
79 28.4 11.7 51.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.039 min Scan# 1013

Delta R.T. -0.006 min

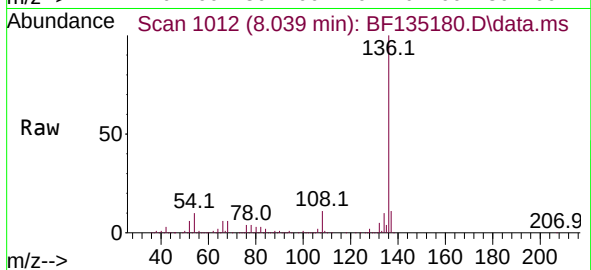
Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:136 Resp: 443266

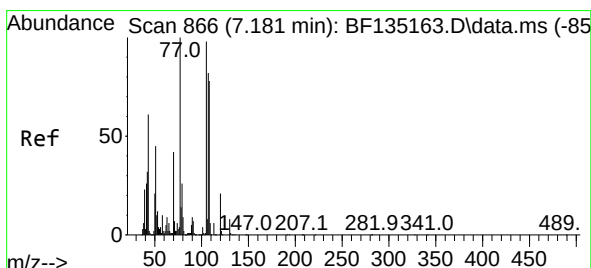
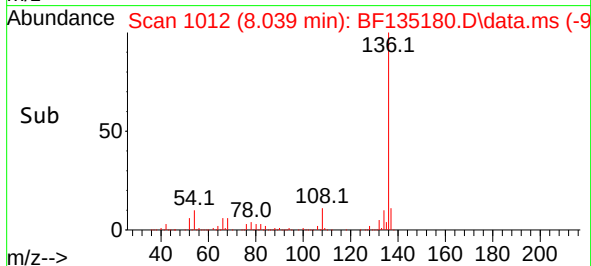
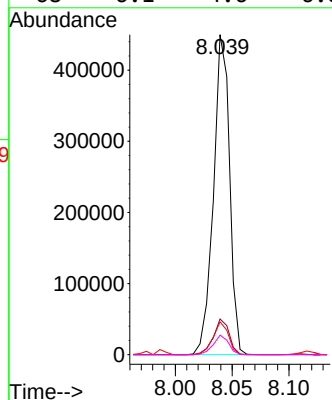
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 10.3 7.7 11.5

68 6.1 4.6 6.8



#22

Acetophenone

Concen: 45.999 ng

RT: 7.175 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Tgt Ion:105 Resp: 466165

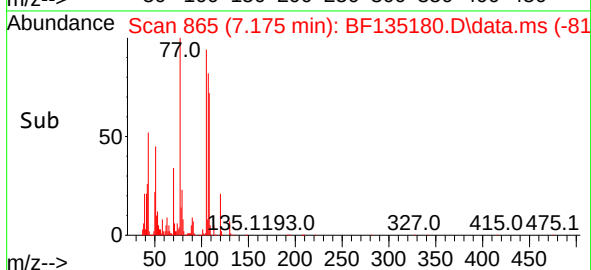
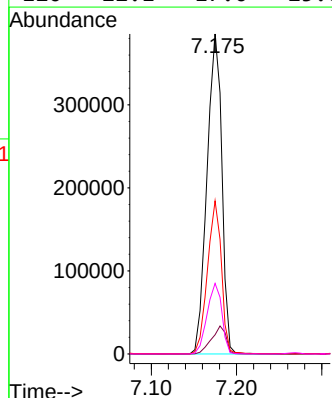
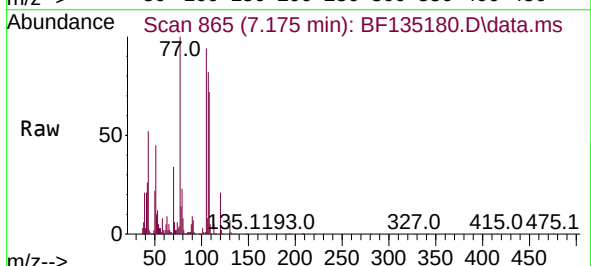
Ion Ratio Lower Upper

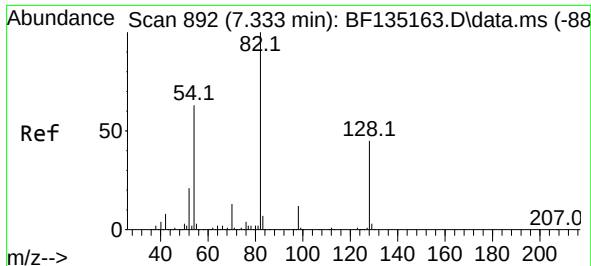
105 100

71 6.0 5.8 8.6

51 47.9 37.0 55.4

120 22.1 17.0 25.6





#23

Nitrobenzene-d5

Concen: 66.398 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

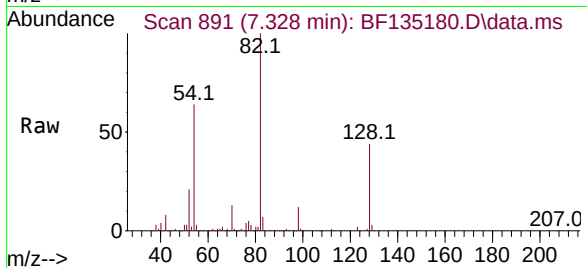
Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :



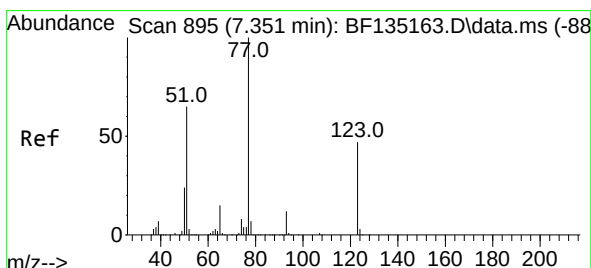
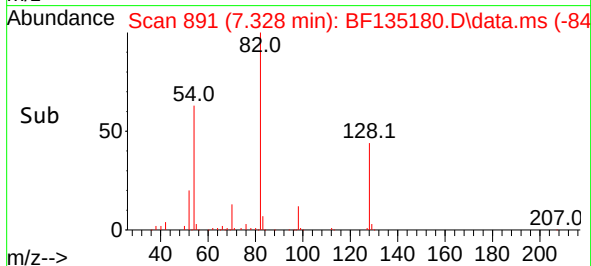
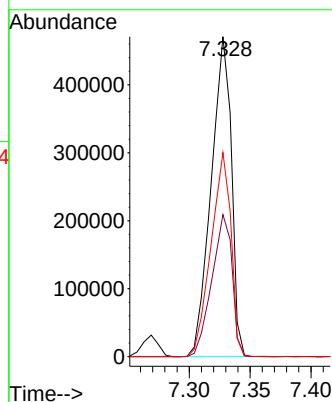
Tgt Ion: 82 Resp: 541732

Ion Ratio Lower Upper

82 100

128 44.4 35.8 53.6

54 63.8 50.6 76.0



#24

Nitrobenzene

Concen: 46.951 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

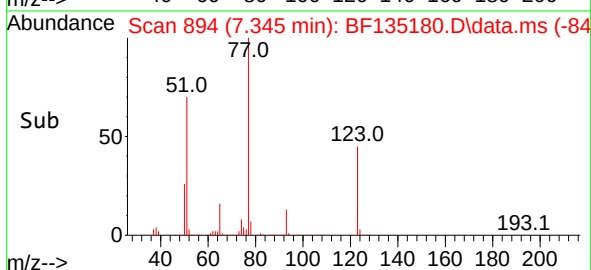
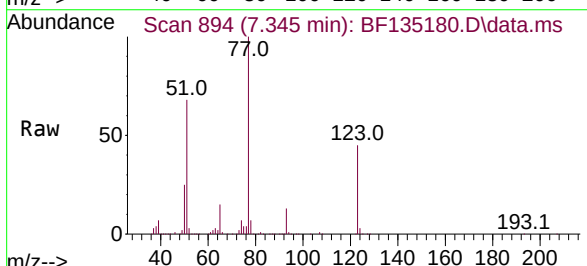
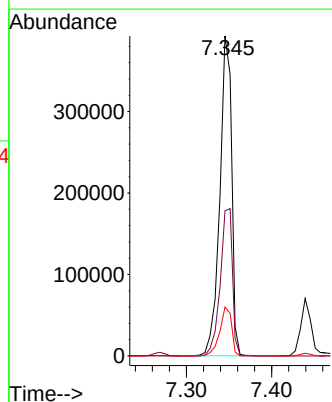
Tgt Ion: 77 Resp: 378618

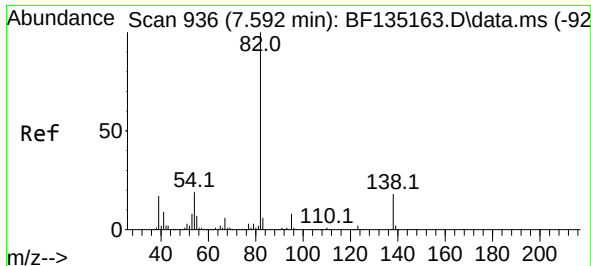
Ion Ratio Lower Upper

77 100

123 45.4 37.6 56.4

65 15.3 12.2 18.4

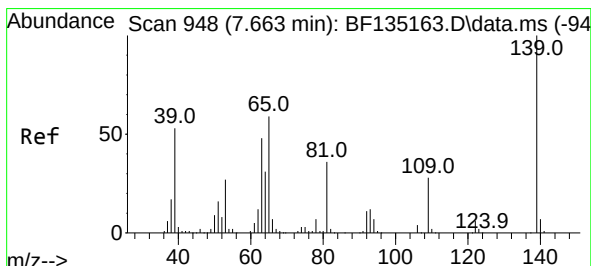
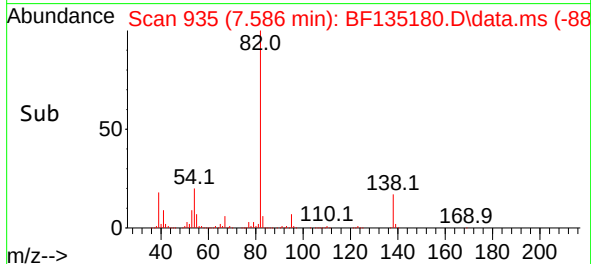
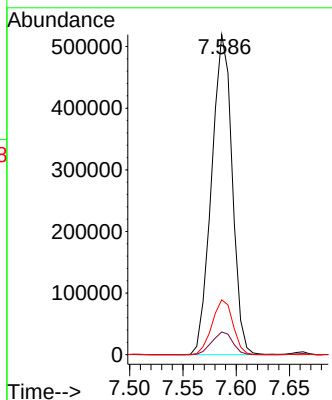
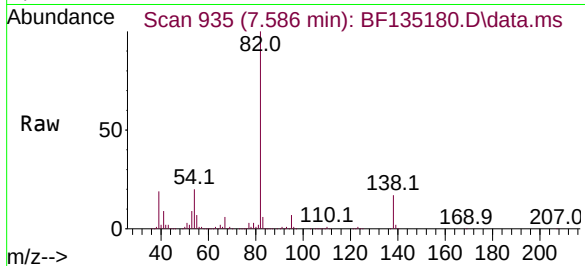




#25  
Isophorone  
Concen: 46.711 ng  
RT: 7.586 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

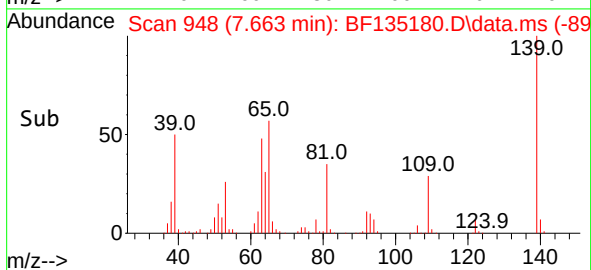
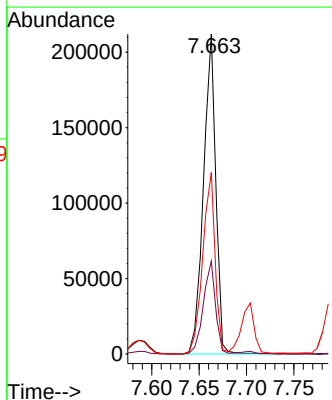
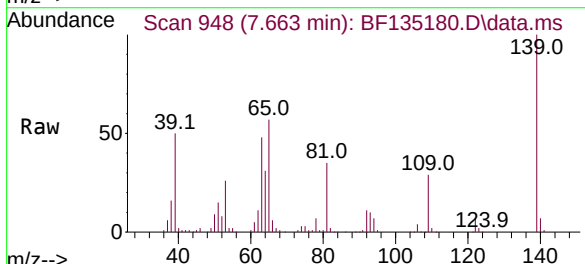
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion: 82 Resp: 699822  
Ion Ratio Lower Upper  
82 100  
95 7.1 6.0 9.0  
138 17.1 14.5 21.7

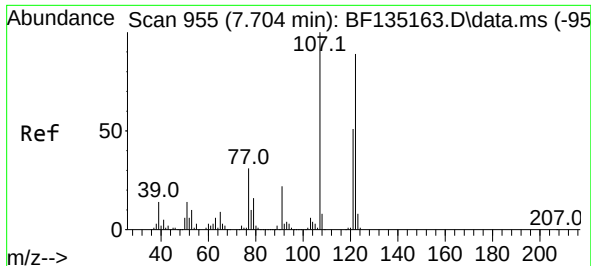


#26  
2-Nitrophenol  
Concen: 49.617 ng  
RT: 7.663 min Scan# 948  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:139 Resp: 192036  
Ion Ratio Lower Upper  
139 100  
109 29.0 22.6 33.8  
65 56.7 47.0 70.4







#27

2,4-Dimethylphenol

Concen: 44.664 ng

RT: 7.704 min Scan# 91

Delta R.T. 0.000 min

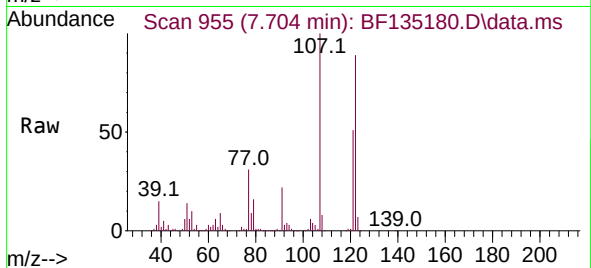
Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :



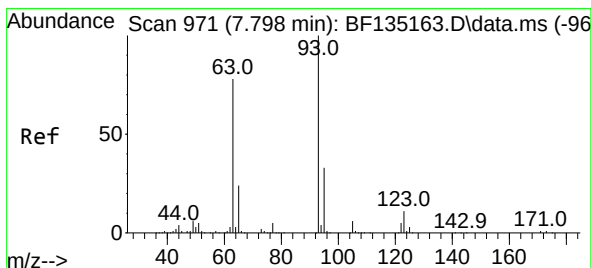
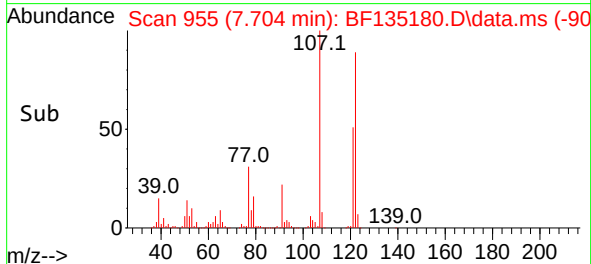
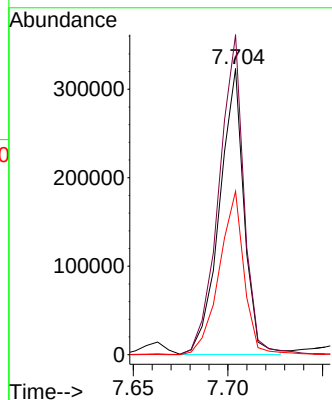
Tgt Ion:122 Resp: 290566

Ion Ratio Lower Upper

122 100

107 111.8 90.2 135.4

121 57.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 47.204 ng

RT: 7.798 min Scan# 971

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

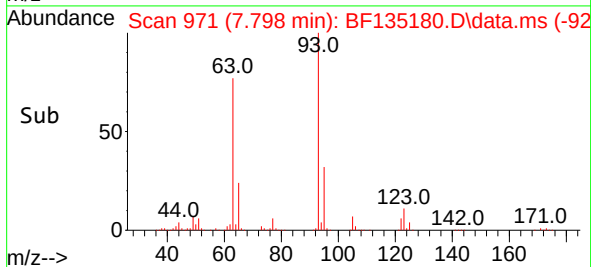
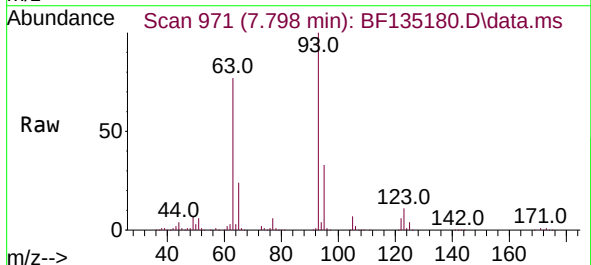
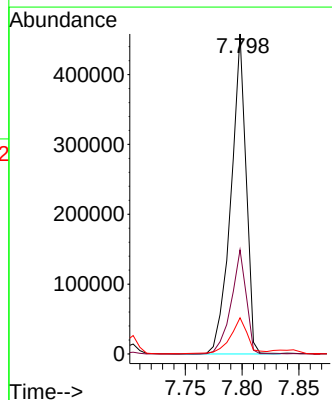
Tgt Ion: 93 Resp: 423286

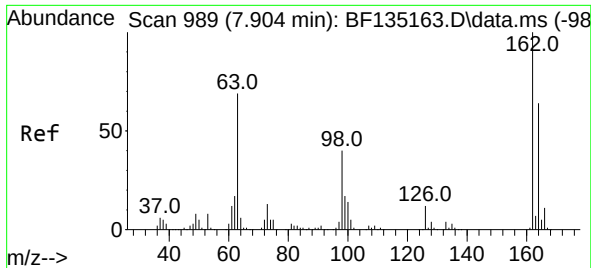
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 11.3 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.940 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

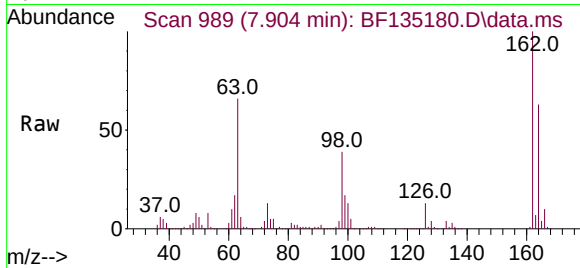
Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :



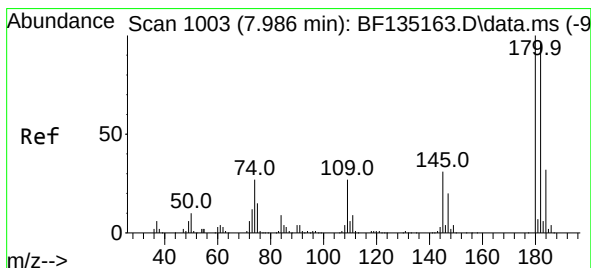
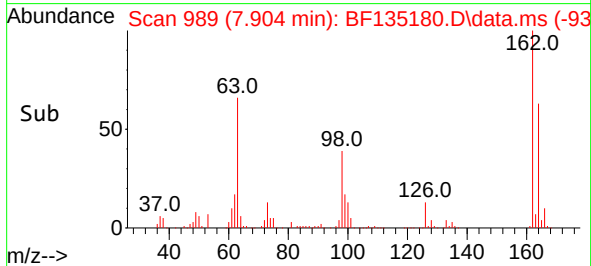
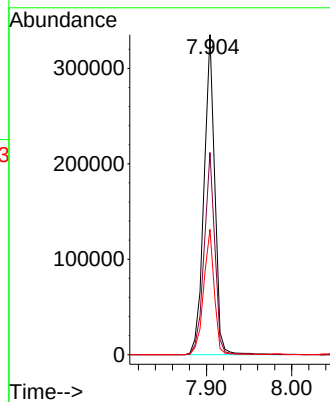
Tgt Ion:162 Resp: 295024

Ion Ratio Lower Upper

162 100

164 63.2 44.1 84.1

98 39.2 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 48.926 ng

RT: 7.986 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

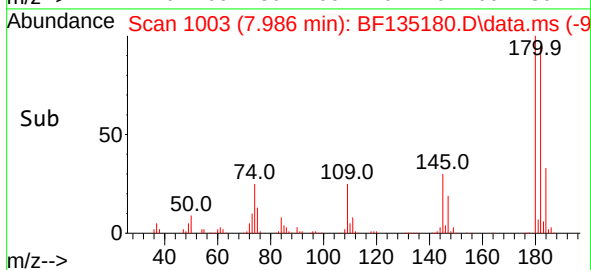
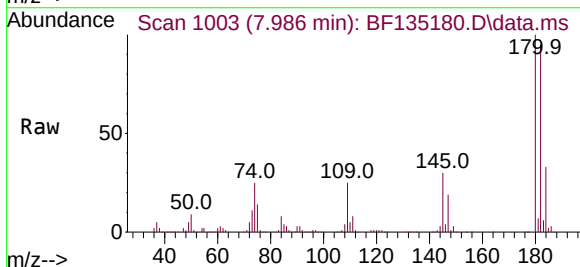
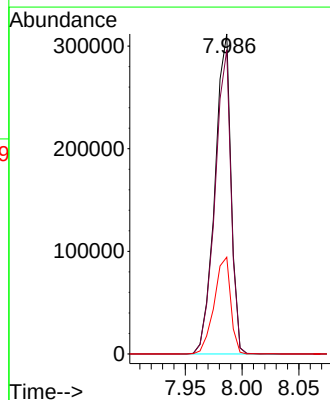
Tgt Ion:180 Resp: 308278

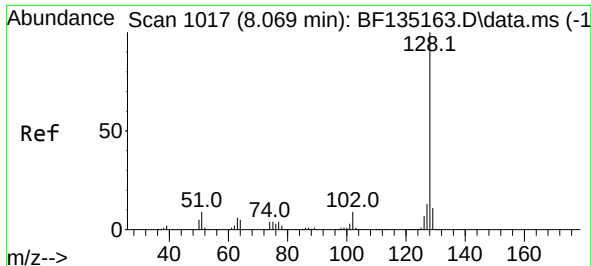
Ion Ratio Lower Upper

180 100

182 95.1 76.9 115.3

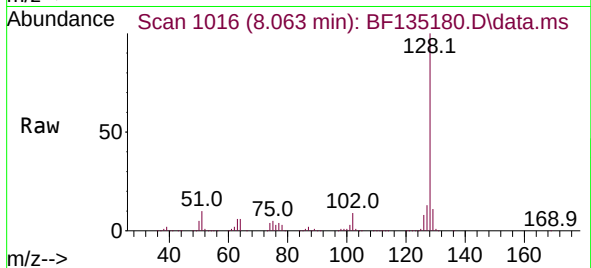
145 30.2 24.5 36.7



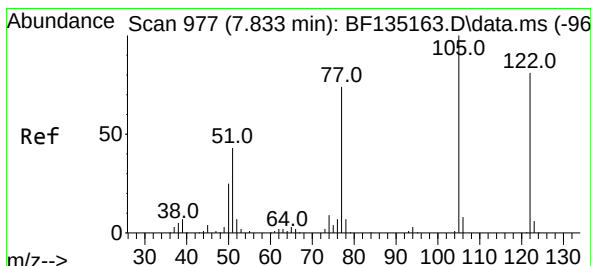
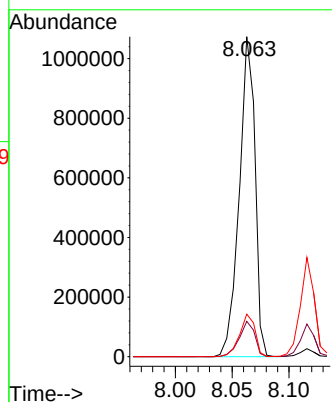
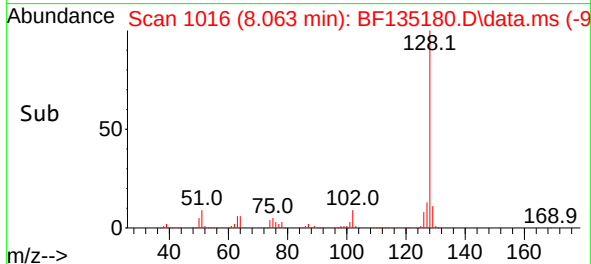


#31  
Naphthalene  
Concen: 47.898 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Instrument :  
BNA\_F  
ClientSampleId :

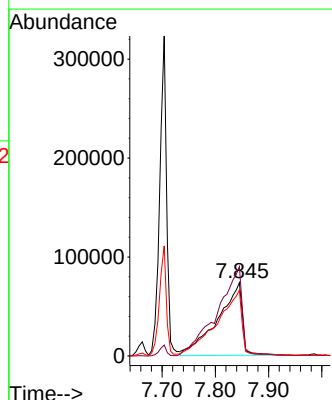
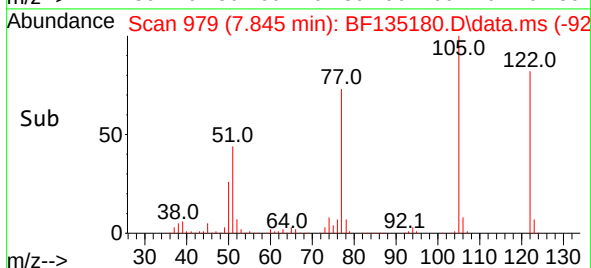
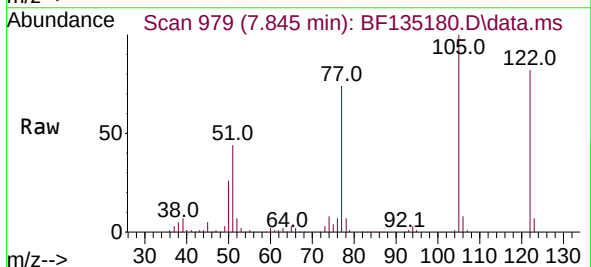


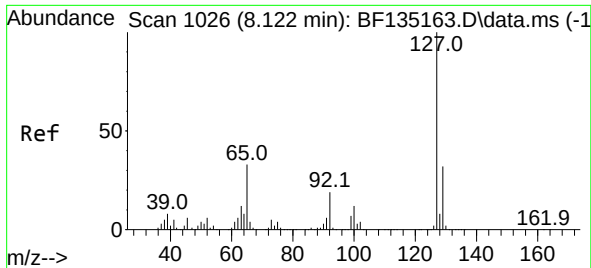
Tgt Ion:128 Resp: 1031570  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.3 10.7 16.1



#32  
Benzoic acid  
Concen: 48.301 ng  
RT: 7.845 min Scan# 979  
Delta R.T. 0.012 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:122 Resp: 236617  
Ion Ratio Lower Upper  
122 100  
105 121.9 99.9 139.9  
77 89.8 70.0 110.0

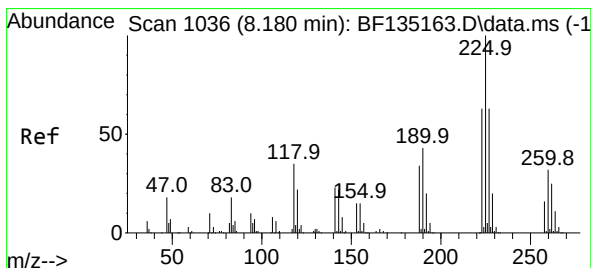
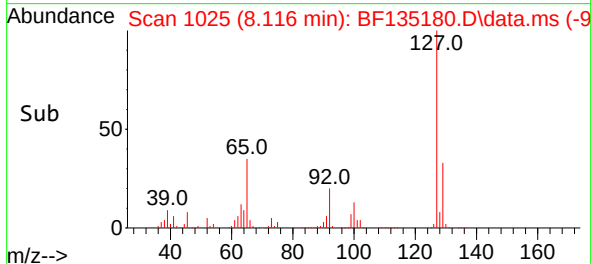
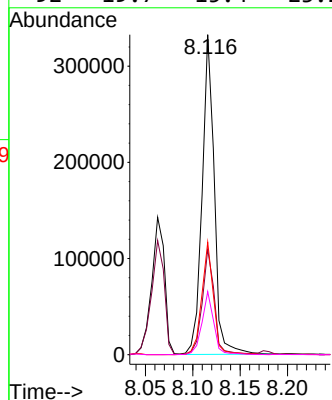
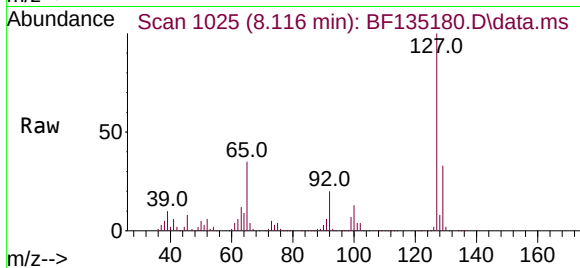




#33  
4-Chloroaniline  
Concen: 31.371 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

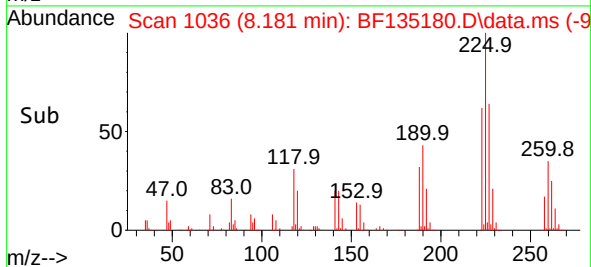
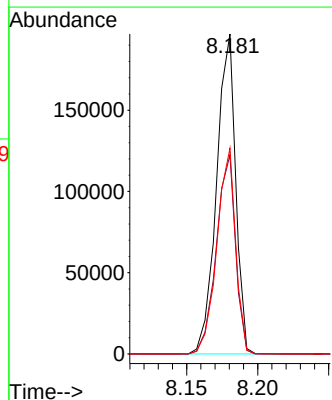
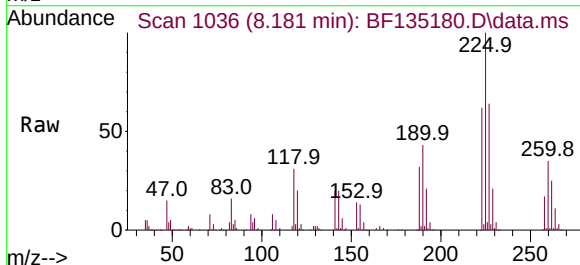
Instrument :  
BNA\_F  
ClientSampleId :

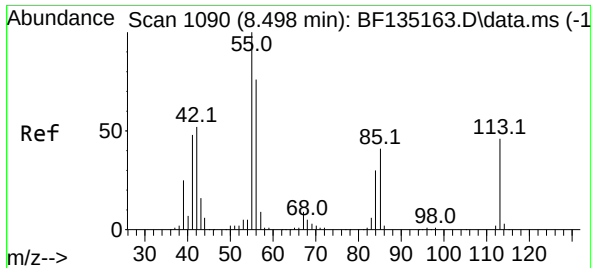
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:127 | Resp: | 296432      |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 32.9  | 25.8 38.8   |
| 65          | 35.2  | 26.6 39.8   |
| 92          | 19.7  | 15.4 23.2   |



#34  
Hexachlorobutadiene  
Concen: 48.466 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 184136      |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 62.2  | 50.6 75.8   |
| 227         | 64.3  | 50.8 76.2   |

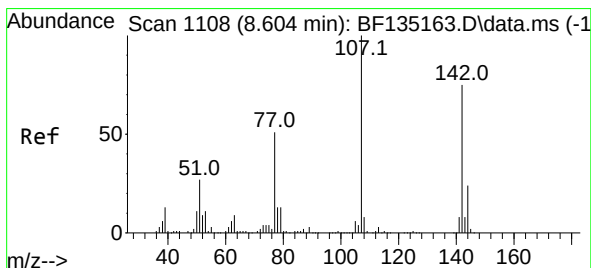
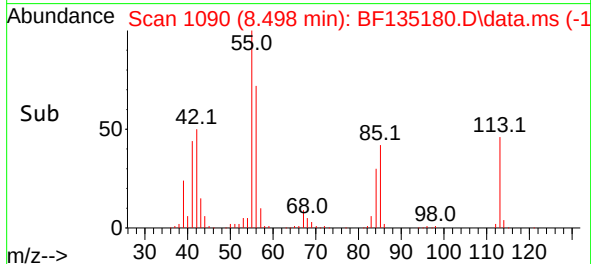
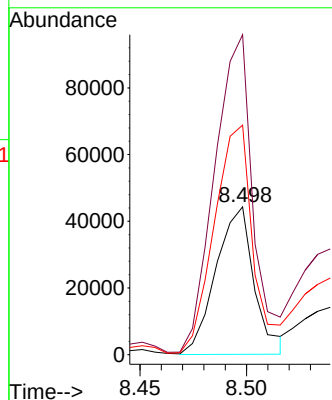
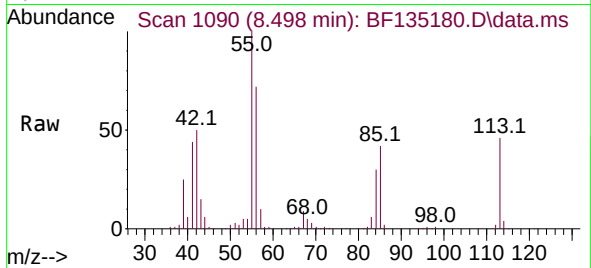




#35  
 Caprolactam  
 Concen: 27.374 ng  
 RT: 8.498 min Scan# 1109  
 Delta R.T. 0.000 min  
 Lab File: BF135180.D  
 Acq: 12 Sep 2023 14:18

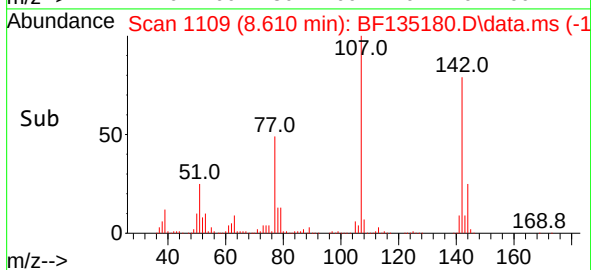
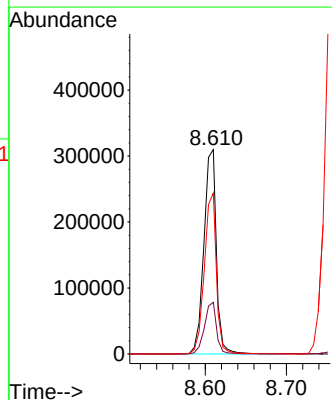
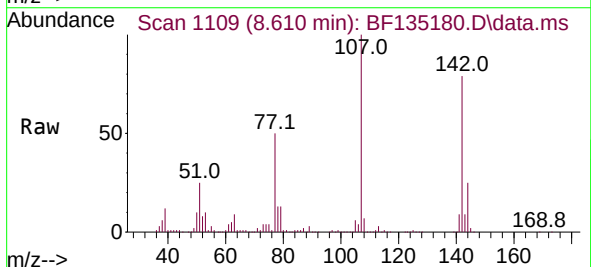
Instrument :  
 BNA\_F  
 ClientSampleId :

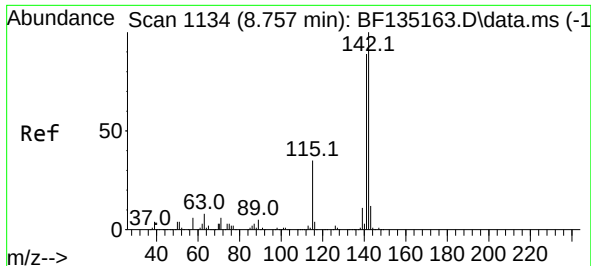
Tgt Ion:113 Resp: 55383  
 Ion Ratio Lower Upper  
 113 100  
 55 216.4 199.3 239.3  
 56 155.3 146.3 186.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 49.294 ng  
 RT: 8.610 min Scan# 1109  
 Delta R.T. 0.006 min  
 Lab File: BF135180.D  
 Acq: 12 Sep 2023 14:18

Tgt Ion:107 Resp: 330268  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 19.0 28.4  
 142 78.7 60.2 90.2





#37

2-Methylnaphthalene

Concen: 45.414 ng

RT: 8.757 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

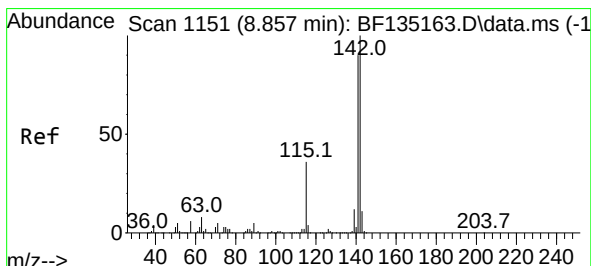
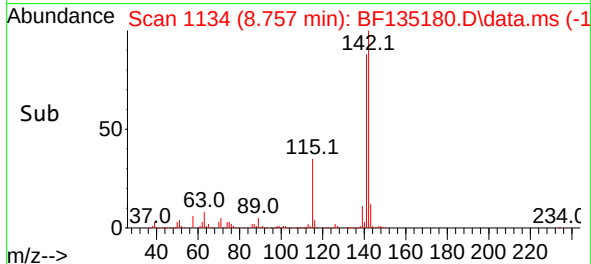
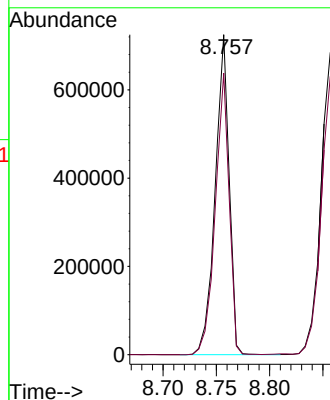
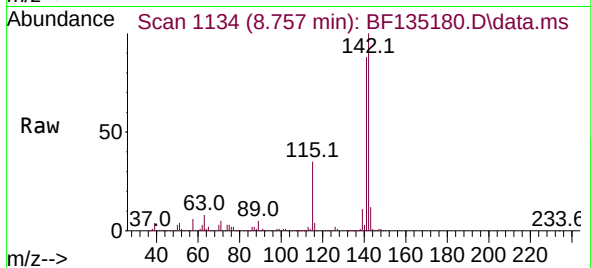
ClientSampleId :

Tgt Ion:142 Resp: 657469

Ion Ratio Lower Upper

142 100

141 88.0 71.0 106.6



#38

1-Methylnaphthalene

Concen: 45.952 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF135180.D

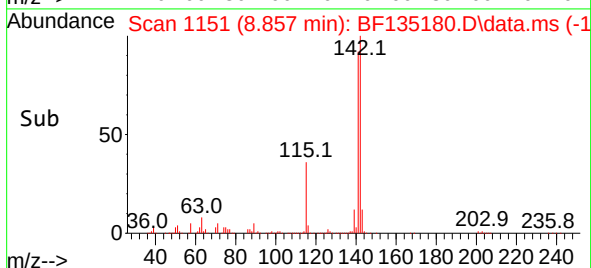
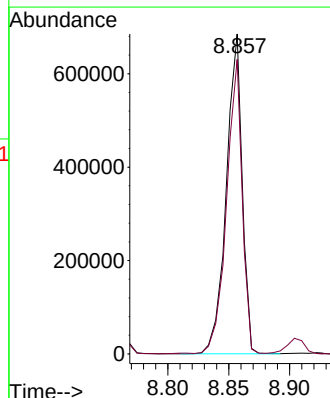
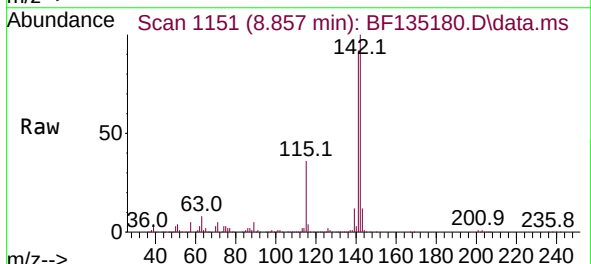
Acq: 12 Sep 2023 14:18

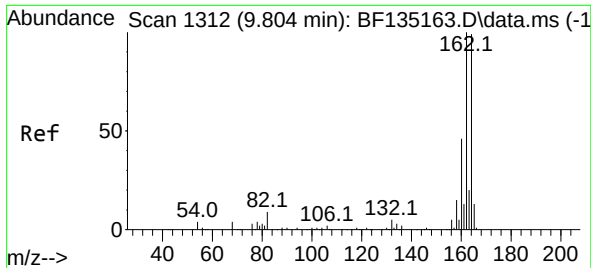
Tgt Ion:142 Resp: 622827

Ion Ratio Lower Upper

142 100

141 92.1 72.4 108.6

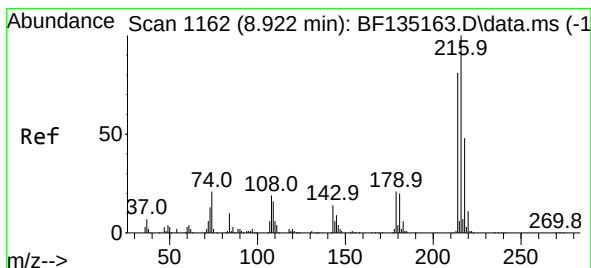
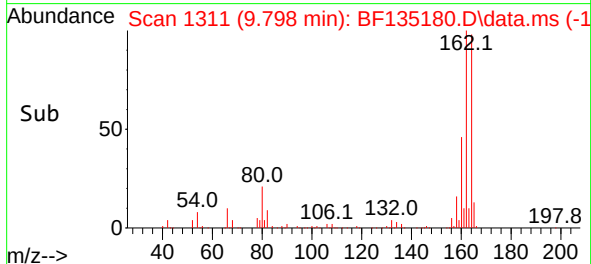
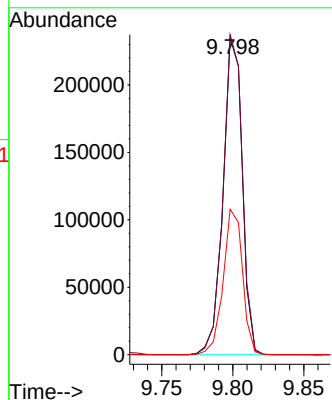
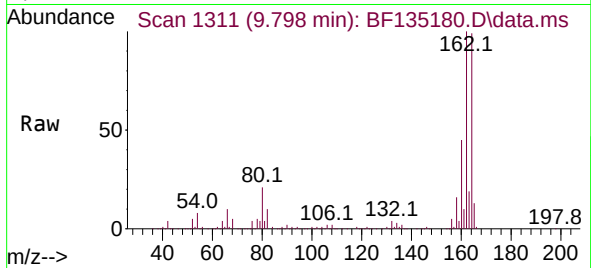




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

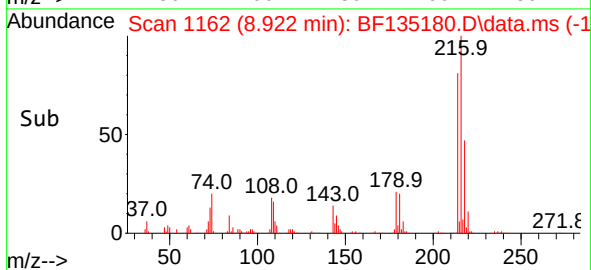
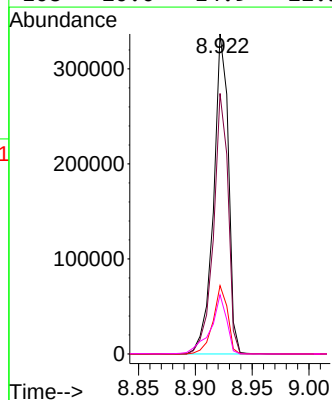
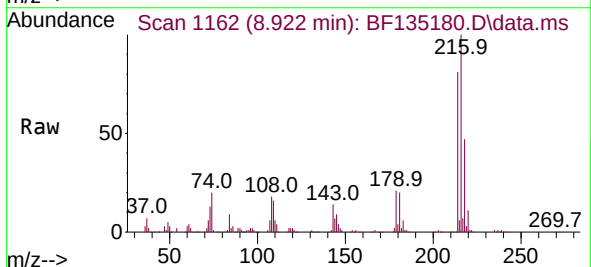
Instrument :  
BNA\_F  
ClientSampleId :

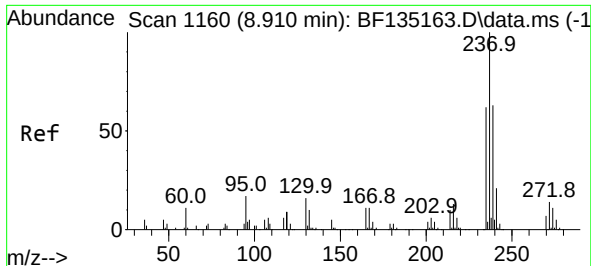
Tgt Ion:164 Resp: 220638  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.0 121.4  
160 45.9 37.0 55.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.962 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

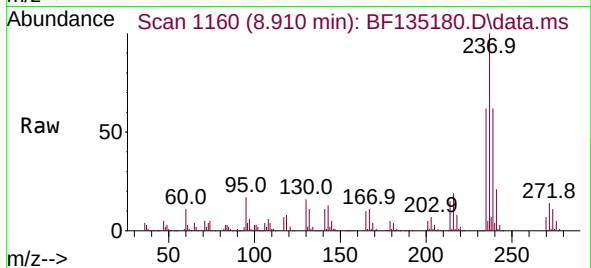
Tgt Ion:216 Resp: 306577  
Ion Ratio Lower Upper  
216 100  
214 79.6 63.7 95.5  
179 20.8 16.7 25.1  
108 20.0 14.9 22.3



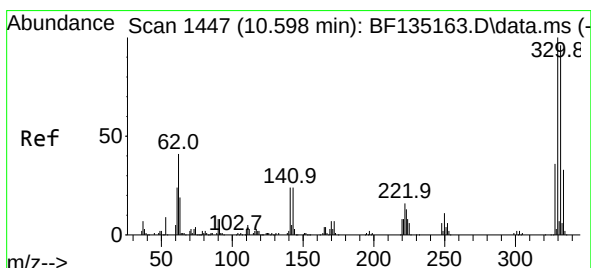
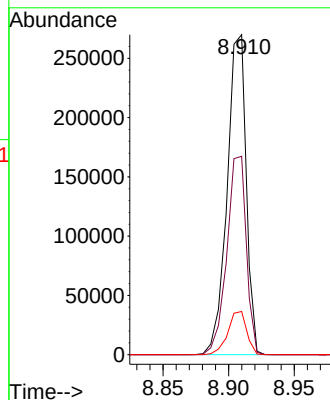
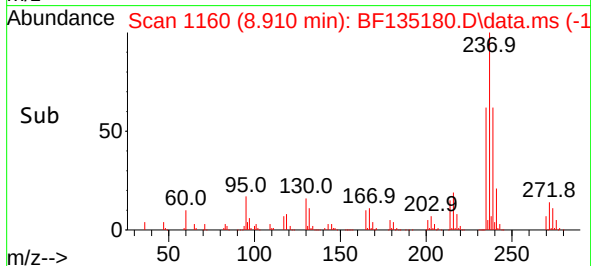


#41  
Hexachlorocyclopentadiene  
Concen: 95.600 ng  
RT: 8.910 min Scan# 1160  
Delta R.T. -0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

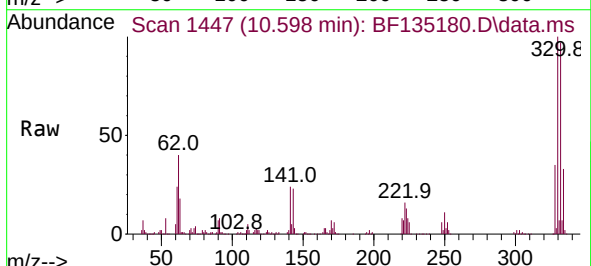
Instrument :  
BNA\_F  
ClientSampleId :



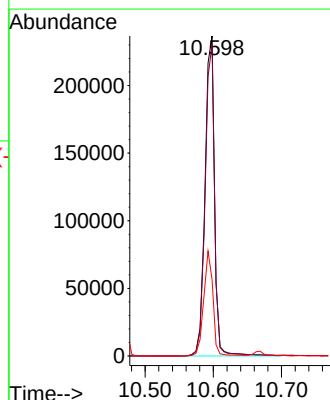
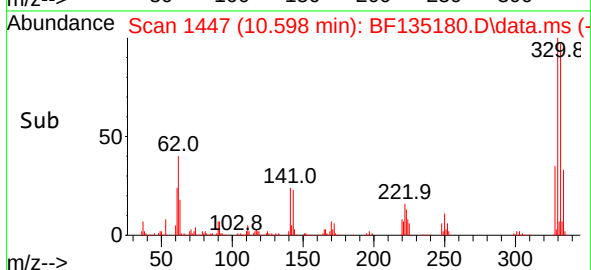
Tgt Ion:237 Resp: 273729  
Ion Ratio Lower Upper  
237 100  
235 62.0 41.8 81.8  
272 13.5 0.0 33.6



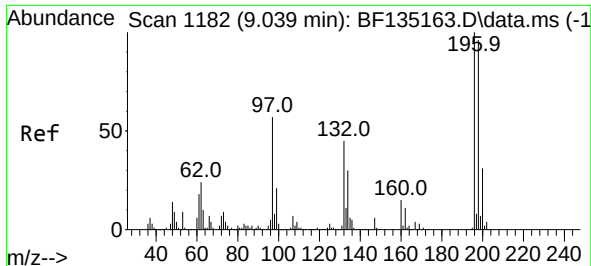
#42  
2,4,6-Tribromophenol  
Concen: 104.942 ng  
RT: 10.598 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18



Tgt Ion:330 Resp: 230096  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.3 115.9  
141 31.9 25.8 38.8







#43

2,4,6-Trichlorophenol

Concen: 51.129 ng

RT: 9.039 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

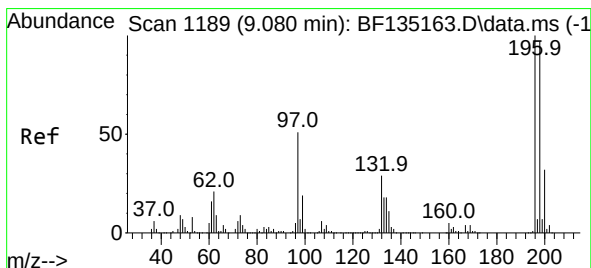
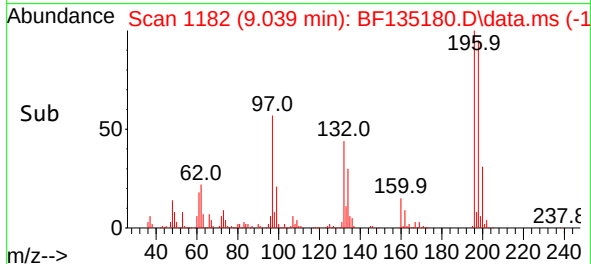
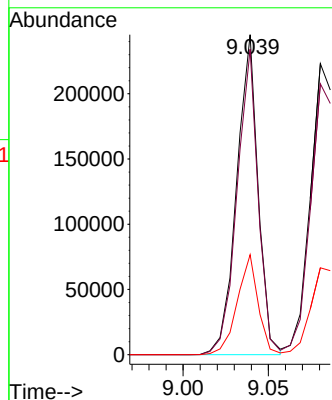
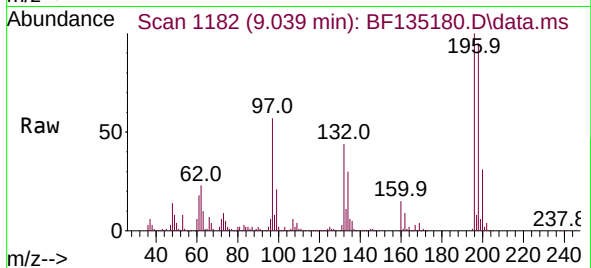
Tgt Ion:196 Resp: 213984

Ion Ratio Lower Upper

196 100

198 95.5 77.0 115.6

200 31.2 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 49.046 ng

RT: 9.080 min Scan# 1189

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Tgt Ion:196 Resp: 236384

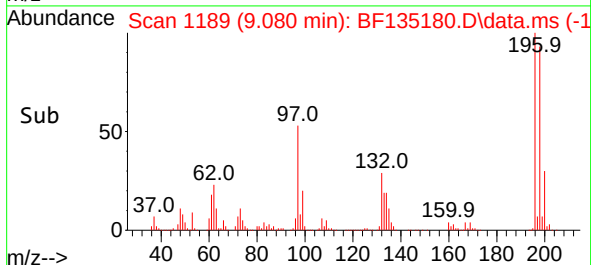
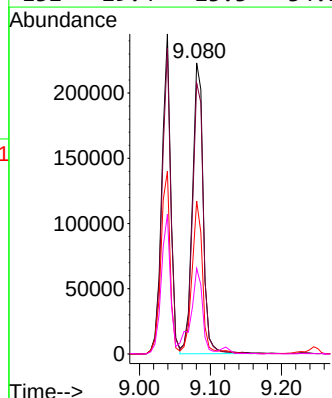
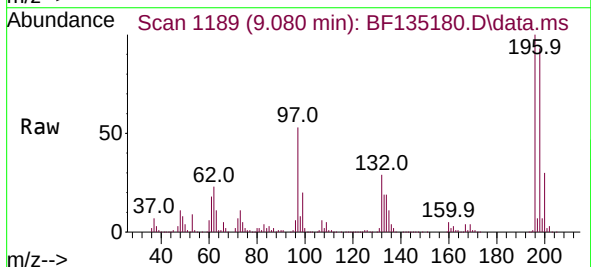
Ion Ratio Lower Upper

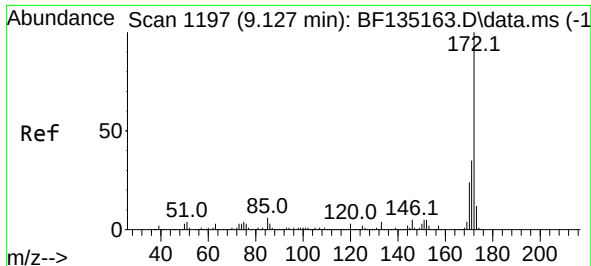
196 100

198 93.1 77.5 116.3

97 52.6 40.5 60.7

132 29.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 66.038 ng

RT: 9.122 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

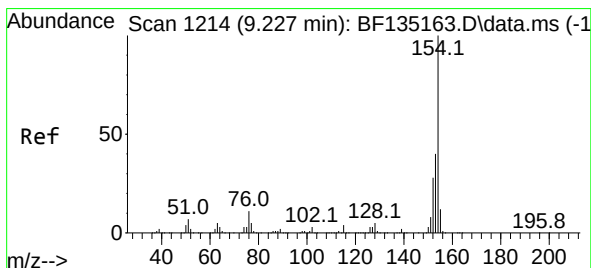
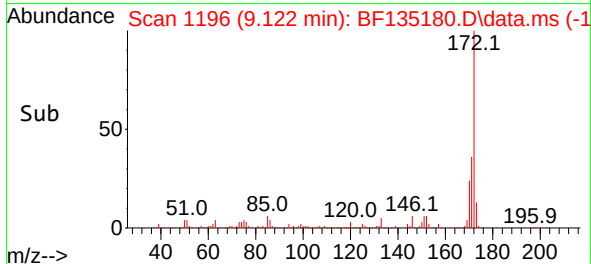
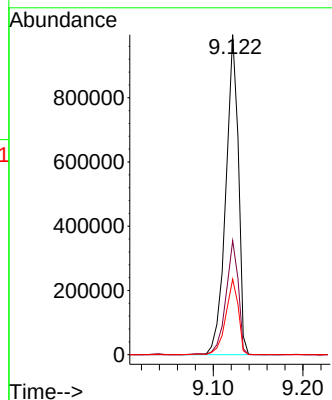
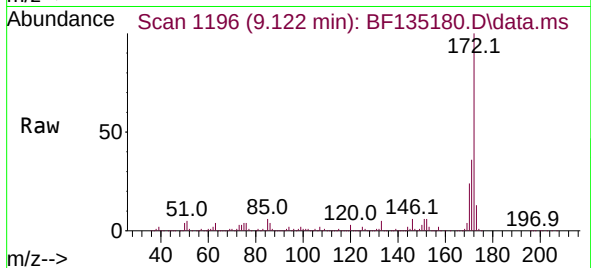
Tgt Ion:172 Resp: 965751

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.0 28.4



#46

1,1'-Biphenyl

Concen: 48.314 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

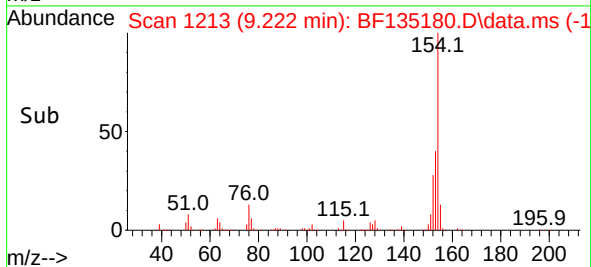
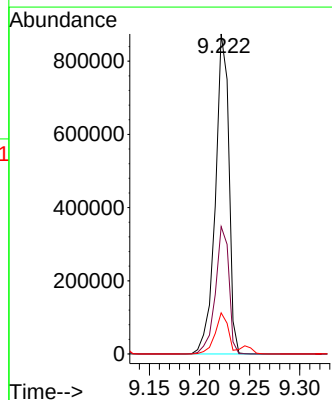
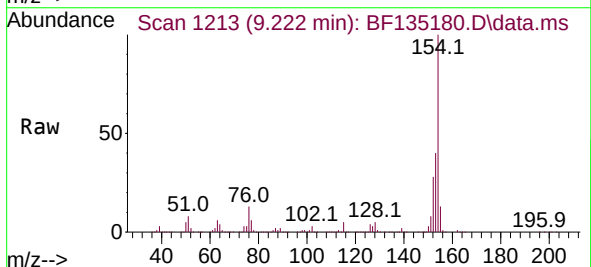
Tgt Ion:154 Resp: 819205

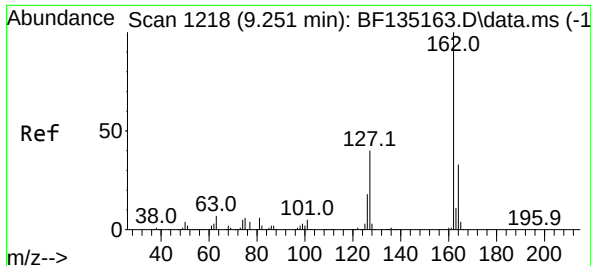
Ion Ratio Lower Upper

154 100

153 39.8 19.6 59.6

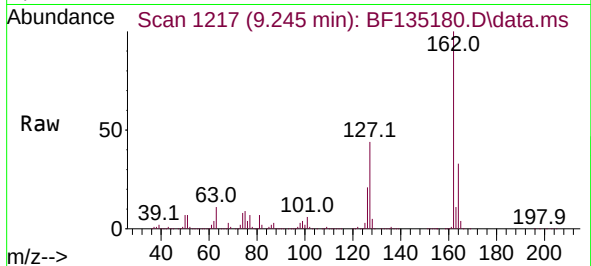
76 12.8 0.0 31.0



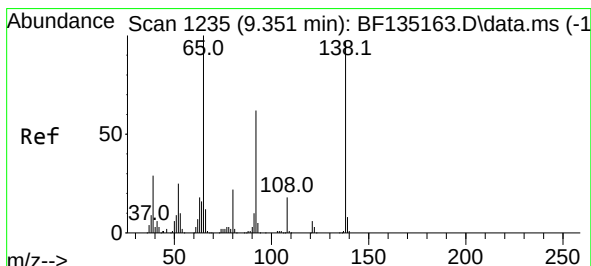
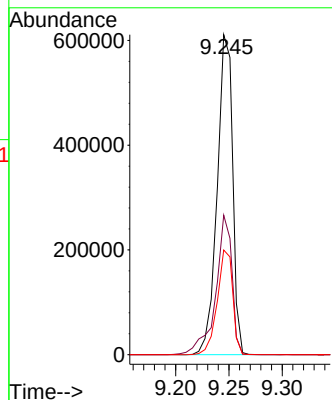
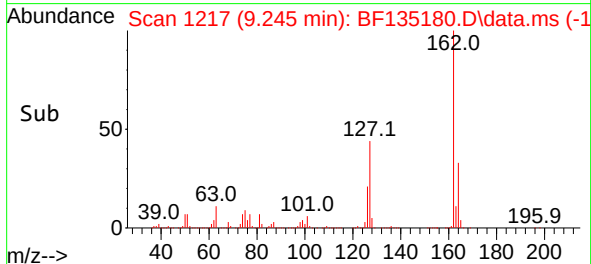


#47  
2-Chloronaphthalene  
Concen: 50.141 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Instrument :  
BNA\_F  
ClientSampleId :

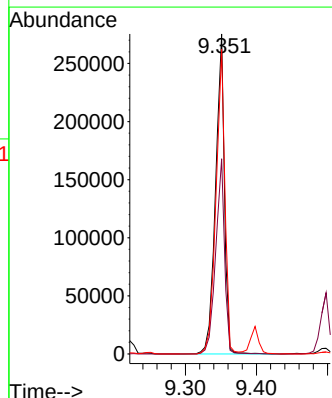
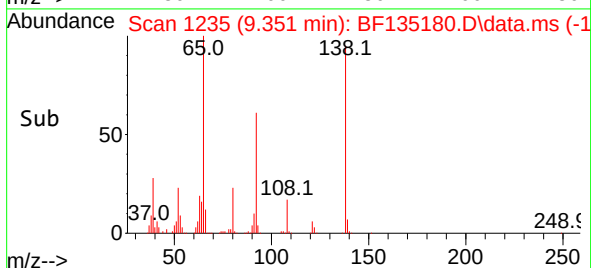
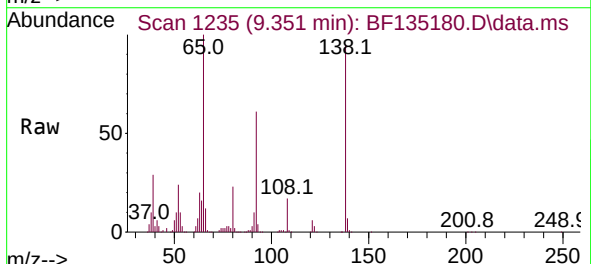


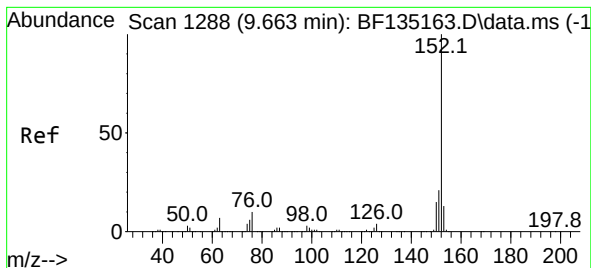
Tgt Ion:162 Resp: 616854  
Ion Ratio Lower Upper  
162 100  
127 43.6 32.6 48.8  
164 32.7 26.2 39.2



#48  
2-Nitroaniline  
Concen: 50.107 ng  
RT: 9.351 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion: 65 Resp: 239481  
Ion Ratio Lower Upper  
65 100  
92 61.0 49.4 74.0  
138 95.2 77.4 116.0





#49

Acenaphthylene

Concen: 49.567 ng

RT: 9.663 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

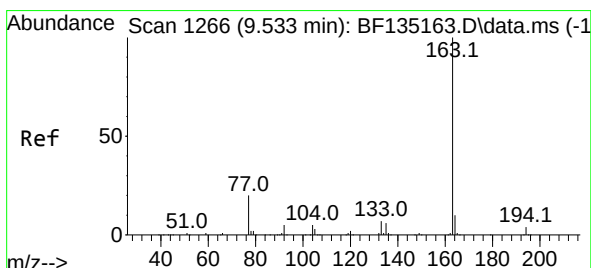
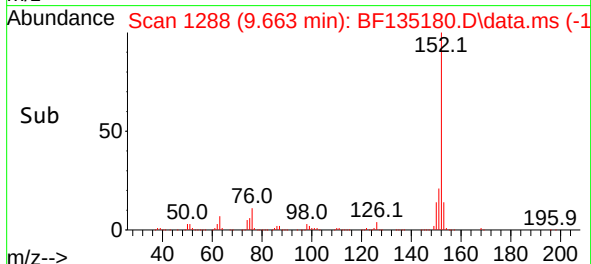
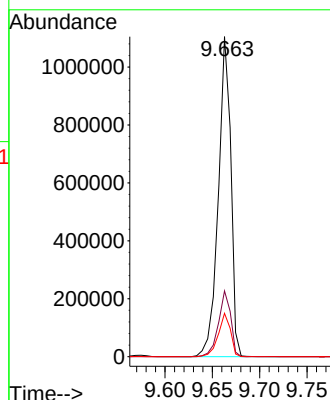
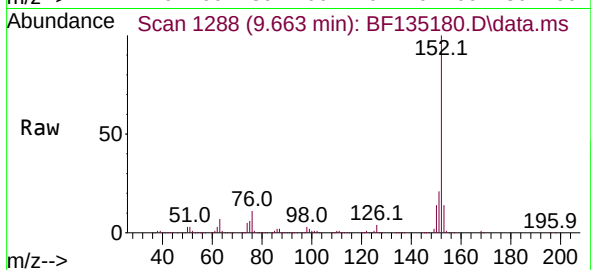
Tgt Ion:152 Resp: 1013425

Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

153 13.6 10.4 15.6



#50

Dimethylphthalate

Concen: 48.512 ng

RT: 9.533 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

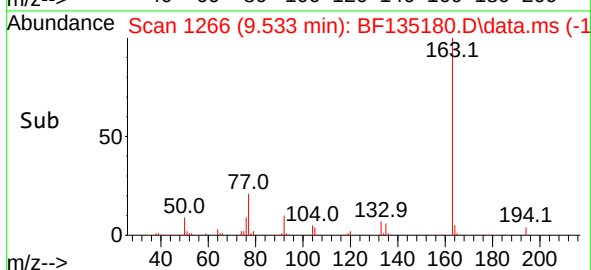
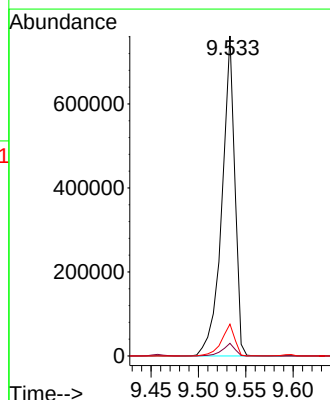
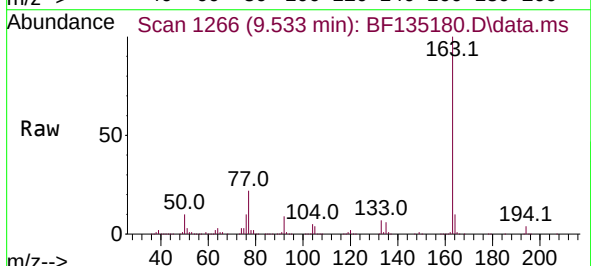
Tgt Ion:163 Resp: 723667

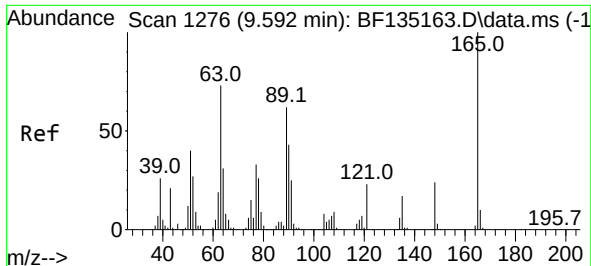
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.0 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 50.513 ng

RT: 9.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

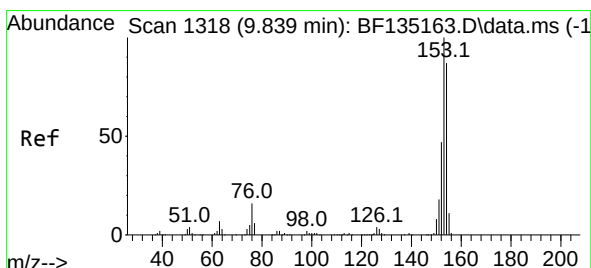
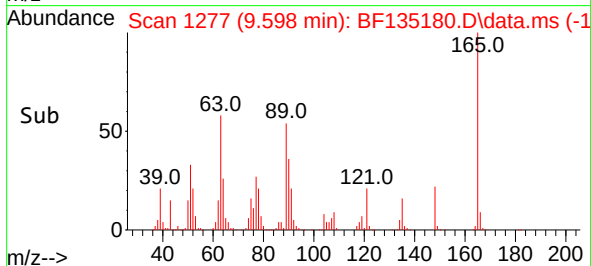
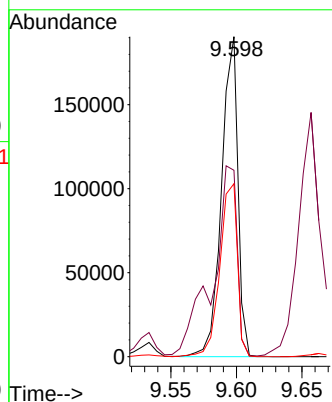
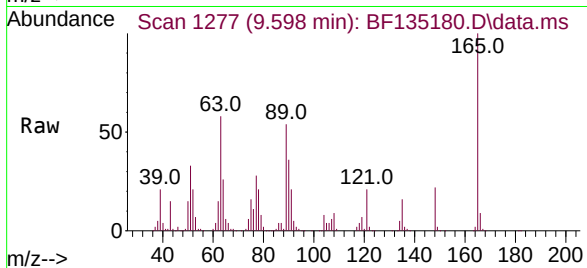
Tgt Ion:165 Resp: 165072

Ion Ratio Lower Upper

165 100

63 58.2 59.4 89.2#

89 54.0 49.8 74.8



#52

Acenaphthene

Concen: 48.188 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

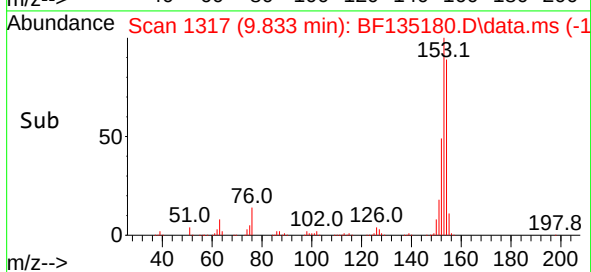
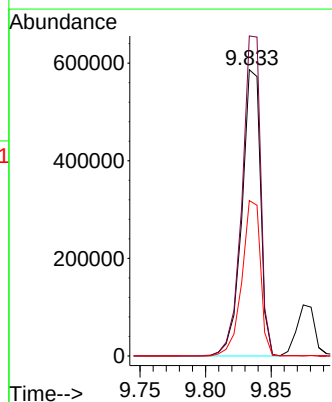
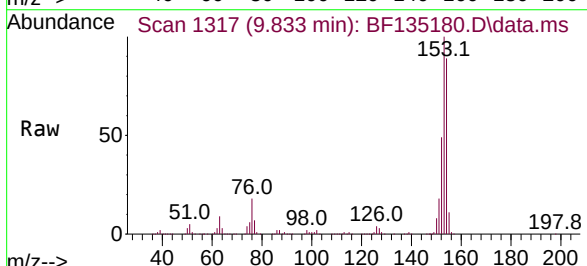
Tgt Ion:154 Resp: 582020

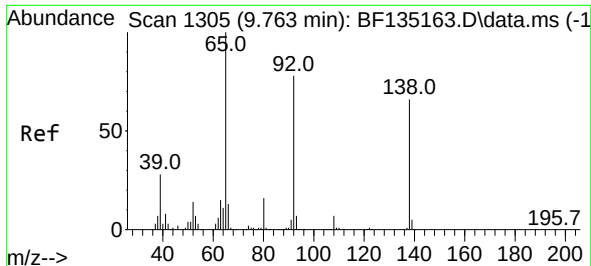
Ion Ratio Lower Upper

154 100

153 111.8 92.1 138.1

152 54.3 43.1 64.7

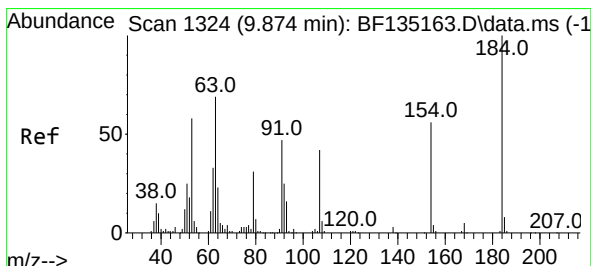
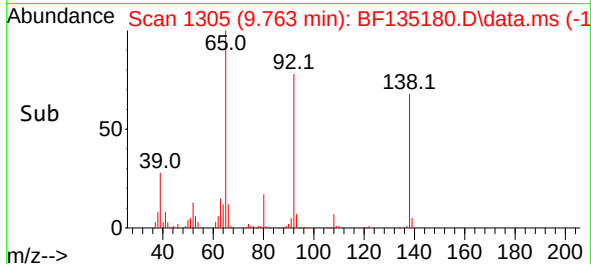
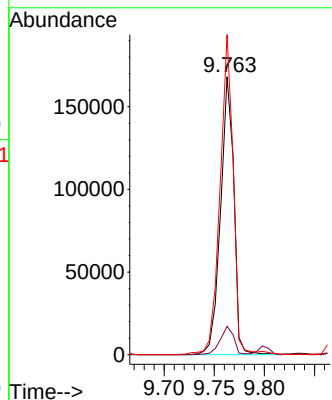
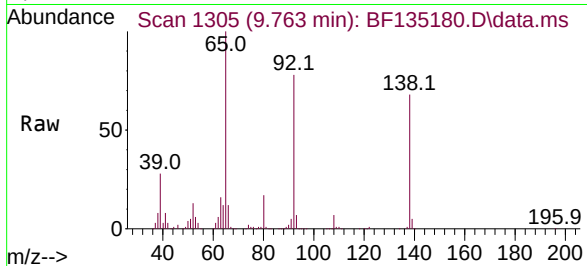




#53  
3-Nitroaniline  
Concen: 40.333 ng  
RT: 9.763 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

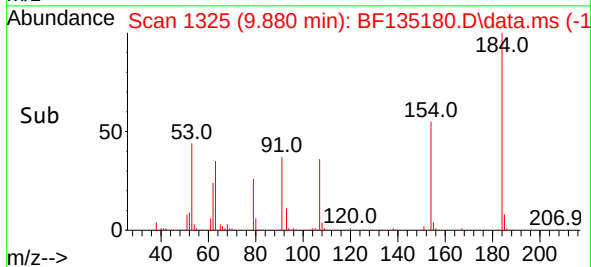
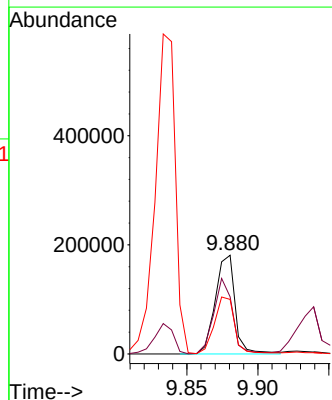
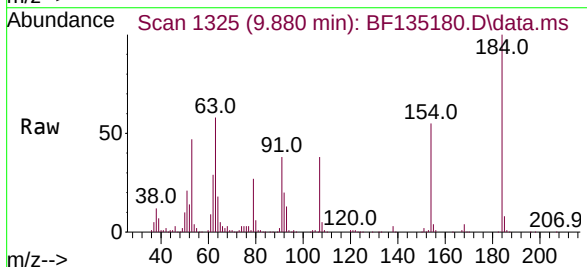
Instrument :  
BNA\_F  
ClientSampleId :

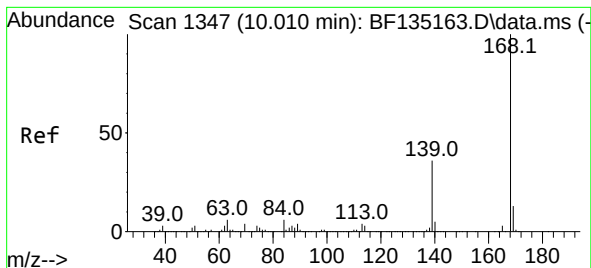
Tgt Ion:138 Resp: 154717  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.5 12.7  
92 115.1 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 93.540 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. 0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:184 Resp: 175660  
Ion Ratio Lower Upper  
184 100  
63 57.8 55.1 82.7  
154 55.3 48.4 72.6





#55

Dibenzofuran

Concen: 47.119 ng

RT: 10.010 min Scan# 1347

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

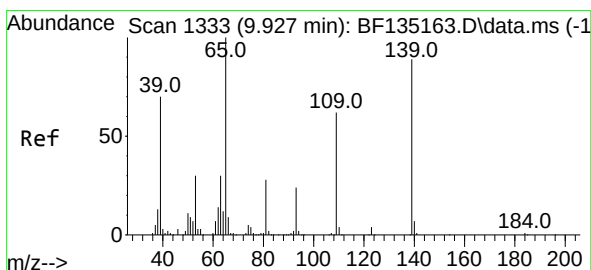
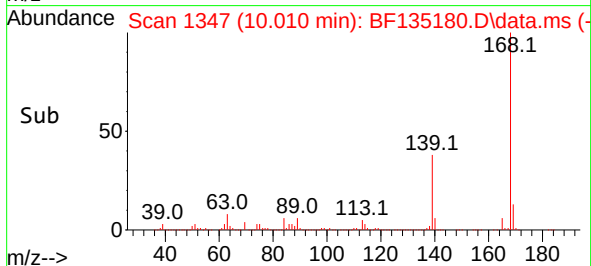
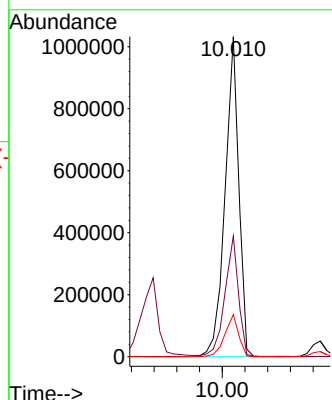
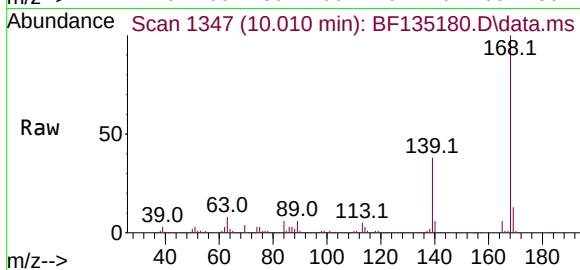
Tgt Ion:168 Resp: 868455

Ion Ratio Lower Upper

168 100

139 37.7 29.0 43.6

169 13.1 10.4 15.6



#56

4-Nitrophenol

Concen: 107.107 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

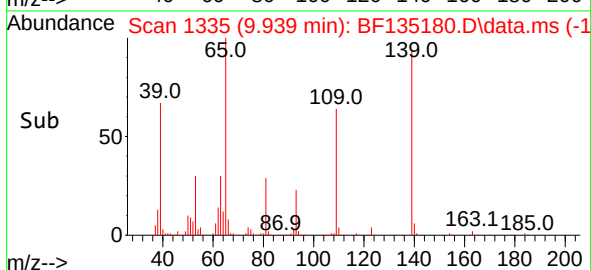
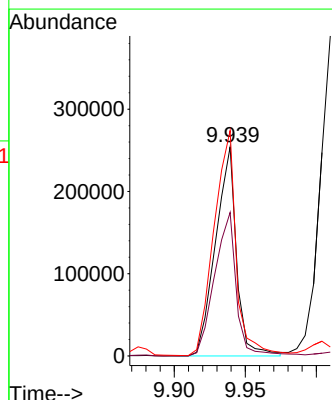
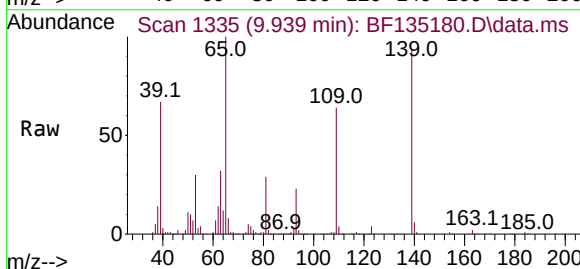
Tgt Ion:139 Resp: 261122

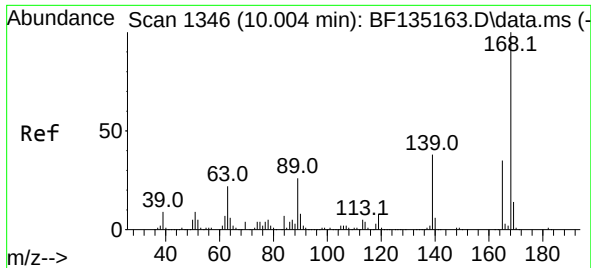
Ion Ratio Lower Upper

139 100

109 68.6 49.8 89.8

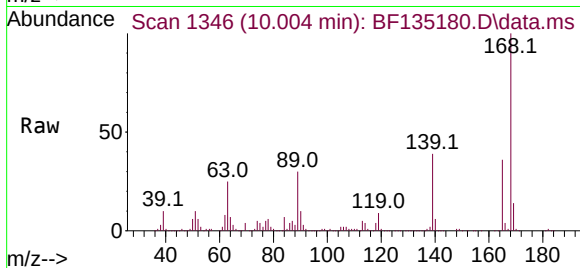
65 107.8 92.7 132.7



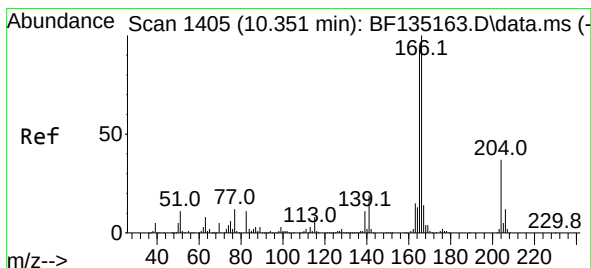
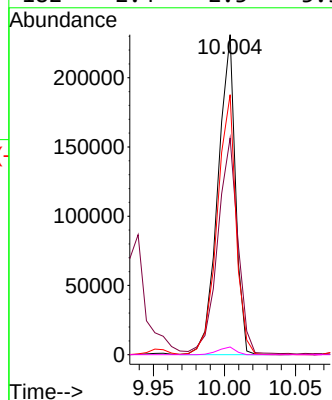
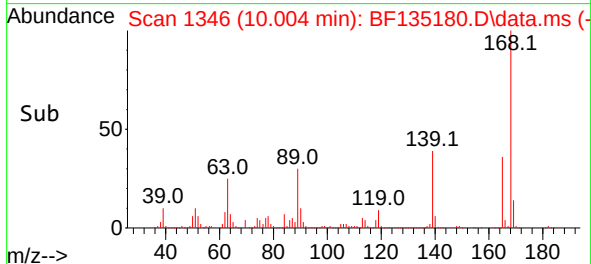


#57  
2,4-Dinitrotoluene  
Concen: 48.360 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

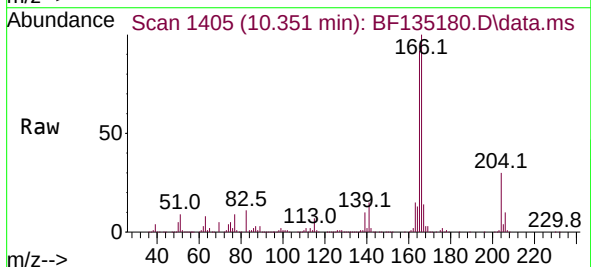
Instrument :  
BNA\_F  
ClientSampleId :



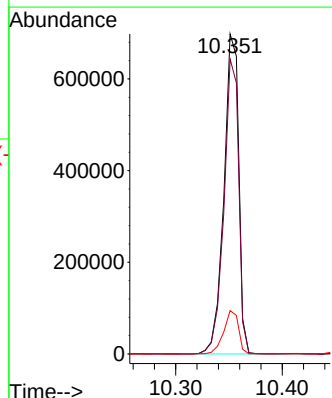
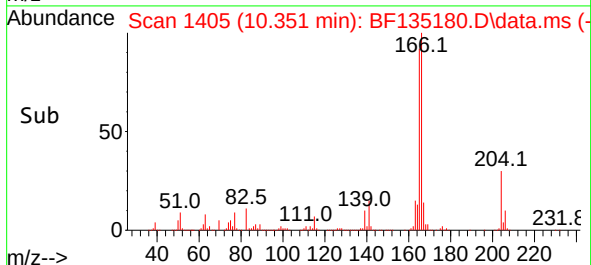
Tgt Ion:165 Resp: 197845  
Ion Ratio Lower Upper  
165 100  
63 67.7 50.1 75.1  
89 81.3 59.3 88.9  
182 2.4 2.3 3.5



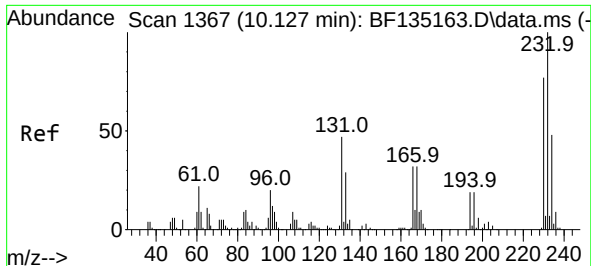
#58  
Fluorene  
Concen: 47.551 ng  
RT: 10.351 min Scan# 1405  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18



Tgt Ion:166 Resp: 673754  
Ion Ratio Lower Upper  
166 100  
165 92.2 74.3 111.5  
167 13.5 10.9 16.3



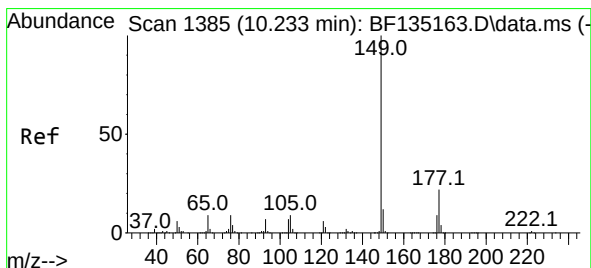
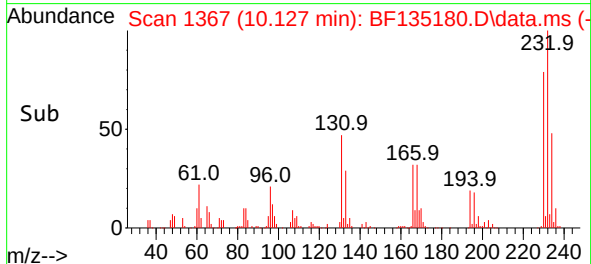
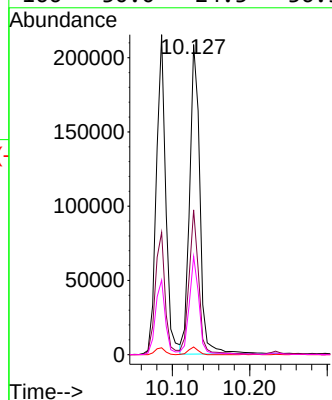
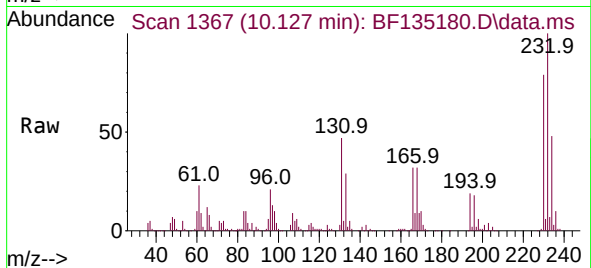




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.680 ng  
RT: 10.127 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

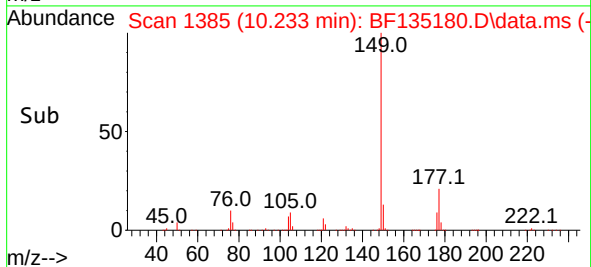
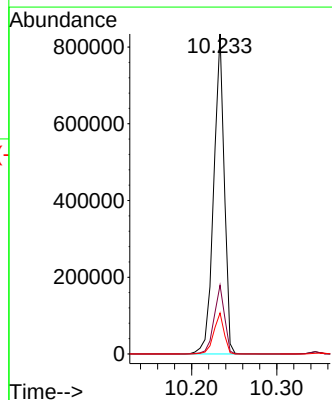
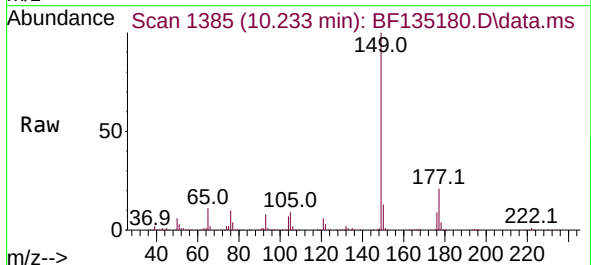
Instrument :  
BNA\_F  
ClientSampleId :

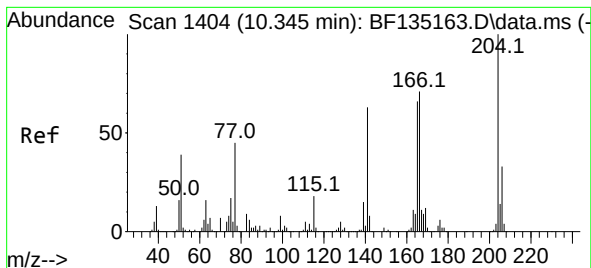
Tgt Ion:232 Resp: 191604  
Ion Ratio Lower Upper  
232 100  
131 44.2 35.4 53.2  
130 2.3 1.8 2.8  
166 30.0 24.3 36.5



#60  
Diethylphthalate  
Concen: 47.897 ng  
RT: 10.233 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:149 Resp: 717059  
Ion Ratio Lower Upper  
149 100  
177 21.5 17.8 26.6  
150 12.8 10.0 15.0

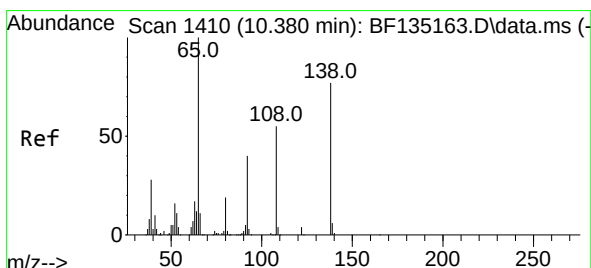
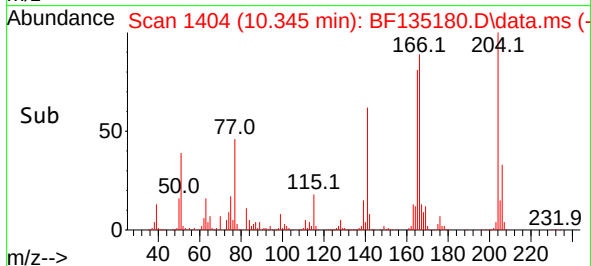
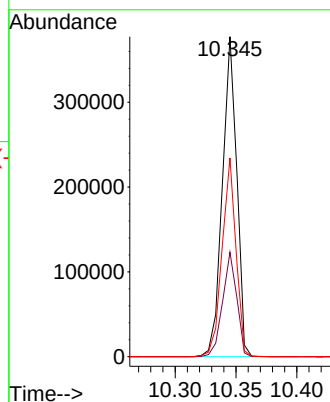
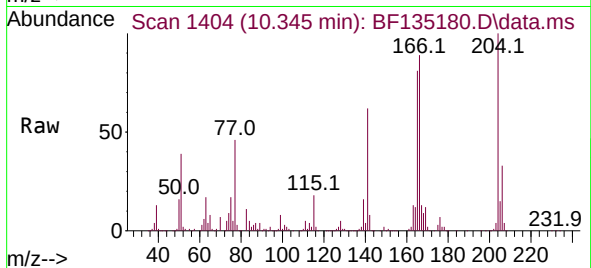




#61  
4-Chlorophenyl-phenylether  
Concen: 45.593 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

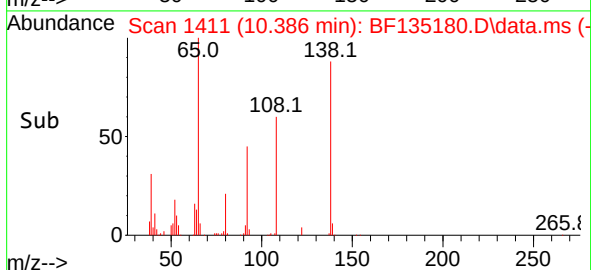
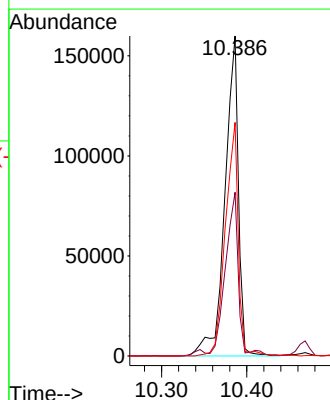
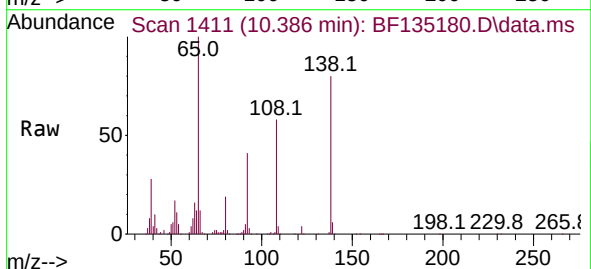
Instrument :  
BNA\_F  
ClientSampleId :

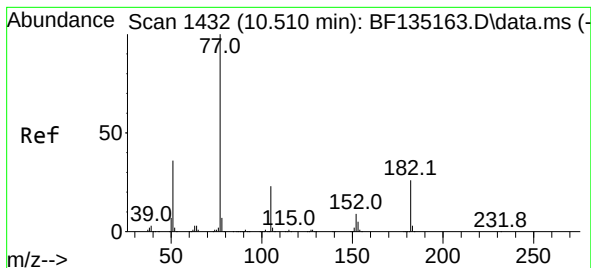
Tgt Ion:204 Resp: 310322  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.7 40.1  
141 62.1 50.6 75.8



#62  
4-Nitroaniline  
Concen: 47.881 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:138 Resp: 176553  
Ion Ratio Lower Upper  
138 100  
92 51.2 31.8 71.8  
108 73.0 52.0 92.0





#63

Azobenzene

Concen: 47.800 ng

RT: 10.504 min Scan# 1431

Delta R.T. -0.006 min

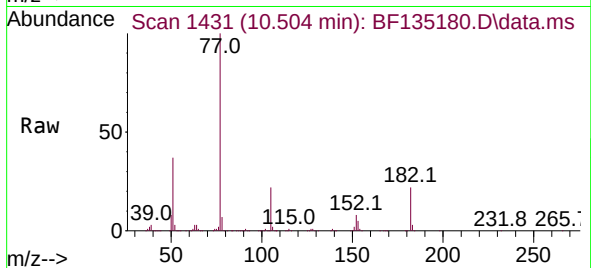
Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion: 77 Resp: 700359

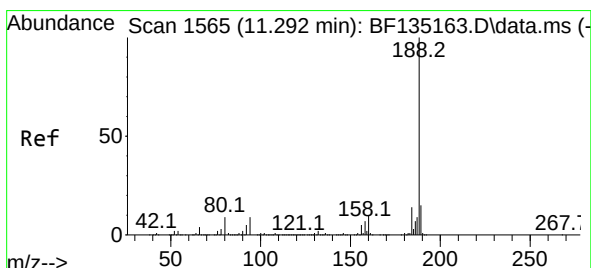
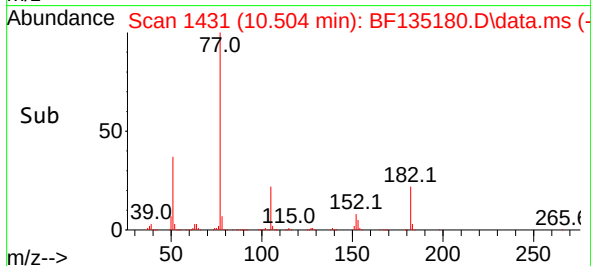
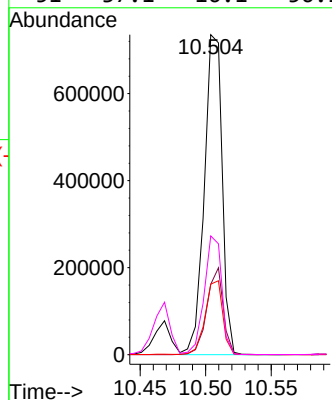
Ion Ratio Lower Upper

77 100

182 22.0 6.4 46.4

105 22.0 3.1 43.1

51 37.1 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

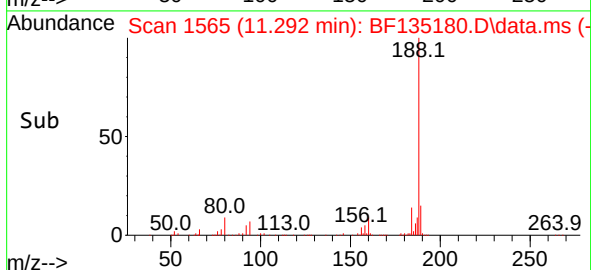
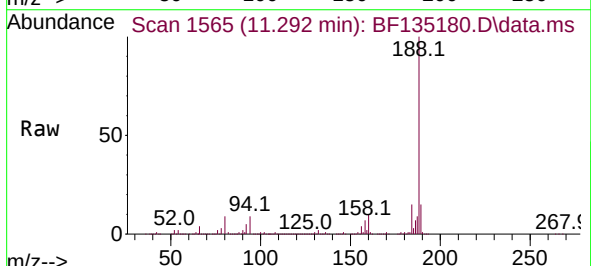
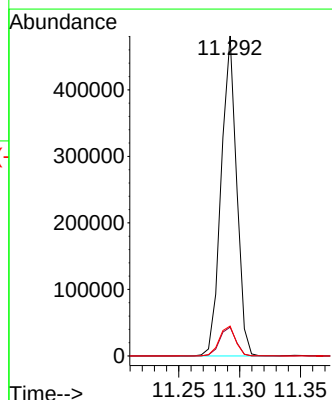
Tgt Ion: 188 Resp: 425687

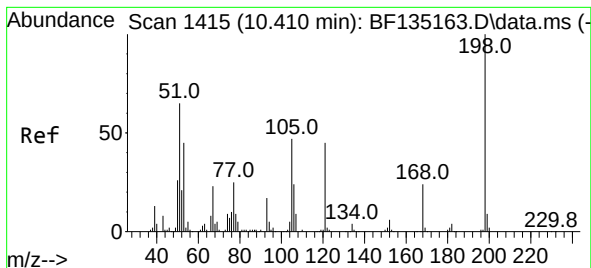
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.4 7.5 11.3

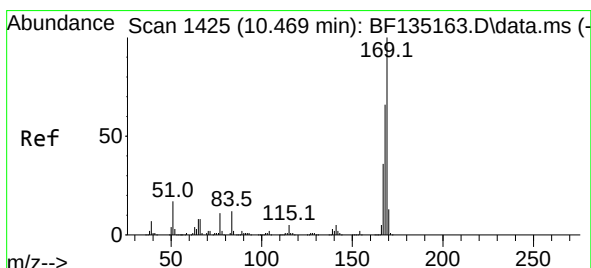
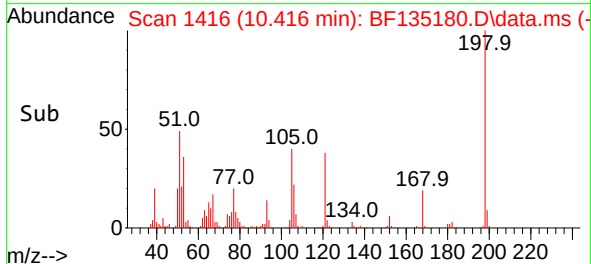
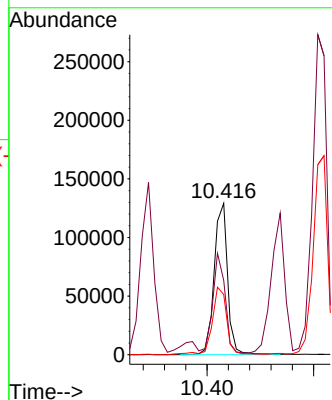
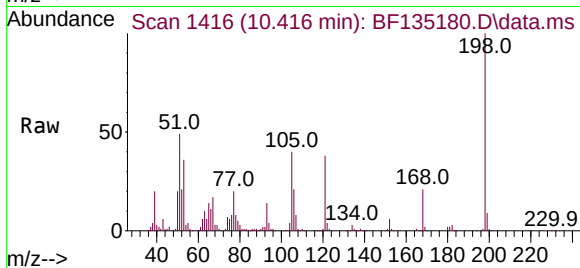




#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.032 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

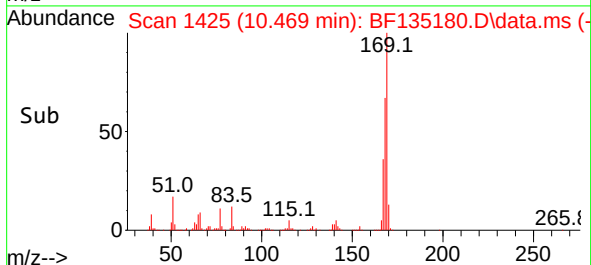
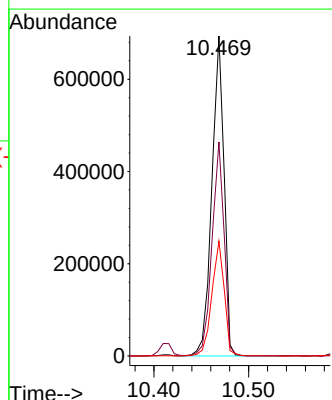
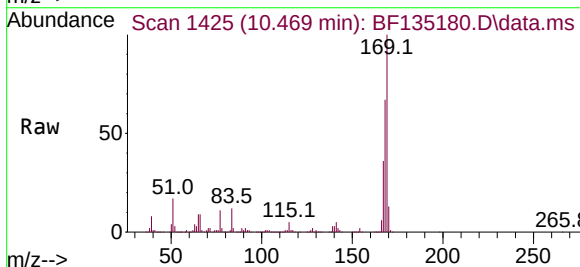
Instrument :  
BNA\_F  
ClientSampleId :

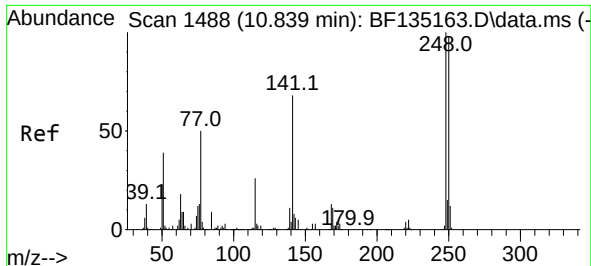
Tgt Ion:198 Resp: 113120  
Ion Ratio Lower Upper  
198 100  
51 49.0 47.7 87.7  
105 39.8 27.4 67.4



#66  
n-Nitrosodiphenylamine  
Concen: 48.093 ng  
RT: 10.469 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:169 Resp: 619805  
Ion Ratio Lower Upper  
169 100  
168 66.9 52.8 79.2  
167 35.9 29.0 43.6

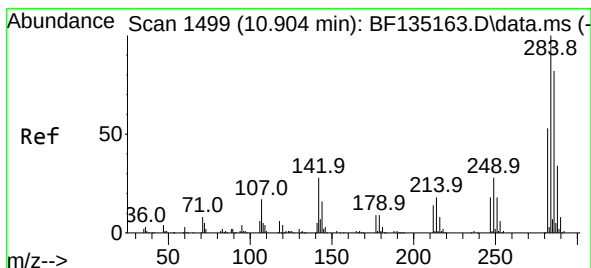
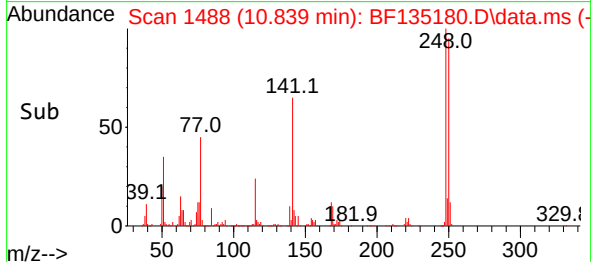
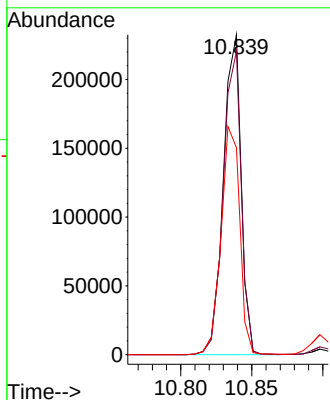
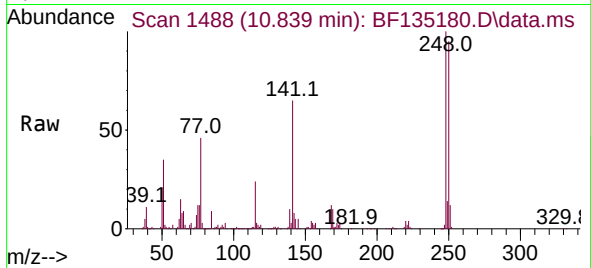




#67  
4-Bromophenyl-phenylether  
Concen: 47.717 ng  
RT: 10.839 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

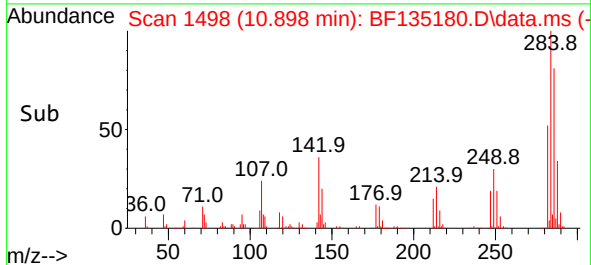
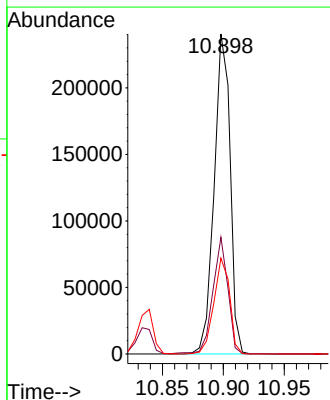
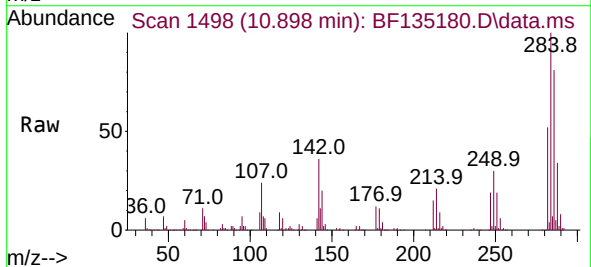
Instrument :  
BNA\_F  
ClientSampleId :

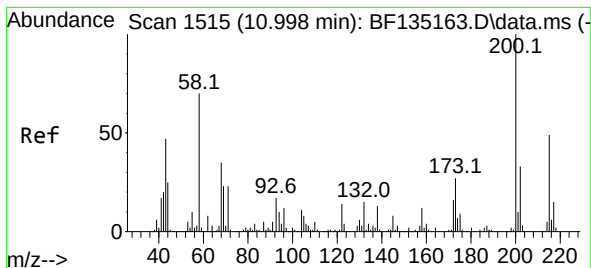
Tgt Ion:248 Resp: 202022  
Ion Ratio Lower Upper  
248 100  
250 94.9 78.6 117.8  
141 64.7 54.2 81.2



#68  
Hexachlorobenzene  
Concen: 51.029 ng  
RT: 10.898 min Scan# 1498  
Delta R.T. -0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:284 Resp: 220099  
Ion Ratio Lower Upper  
284 100  
142 36.5 22.2 33.4#  
249 29.9 22.5 33.7





#69

Atrazine

Concen: 54.035 ng

RT: 11.004 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

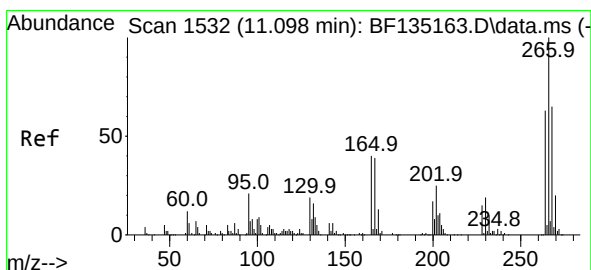
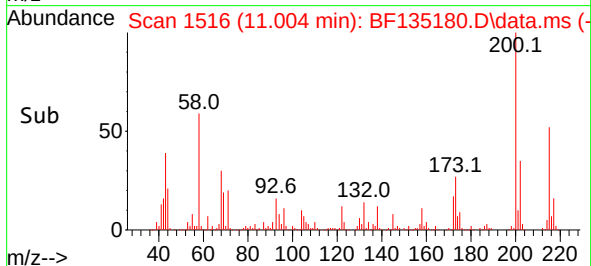
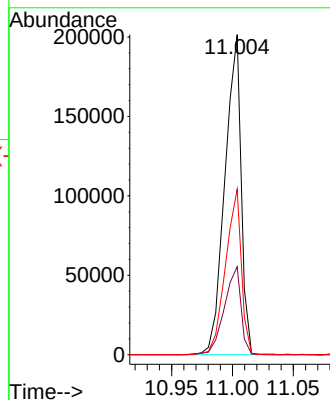
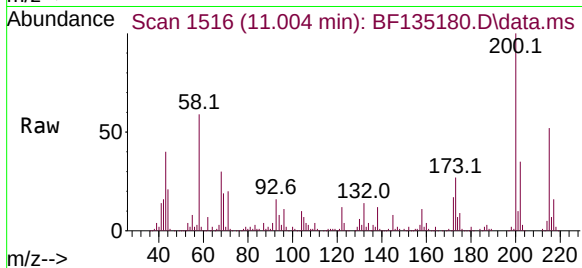
Tgt Ion:200 Resp: 187375

Ion Ratio Lower Upper

200 100

173 27.5 7.4 47.4

215 51.8 28.6 68.6



#70

Pentachlorophenol

Concen: 80.893 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

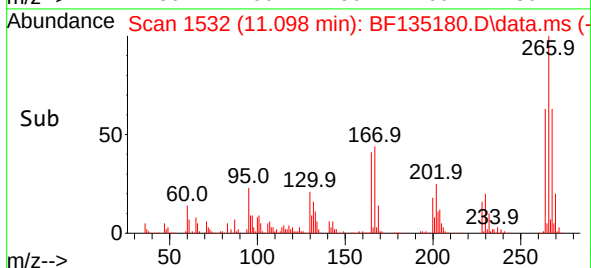
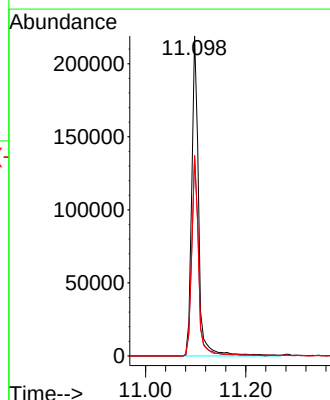
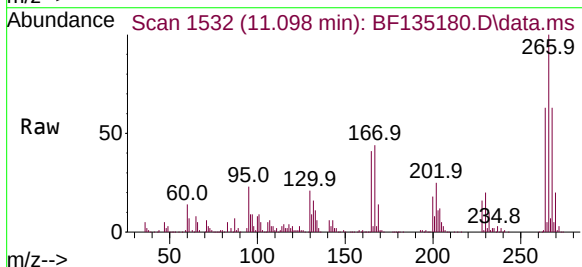
Tgt Ion:266 Resp: 208754

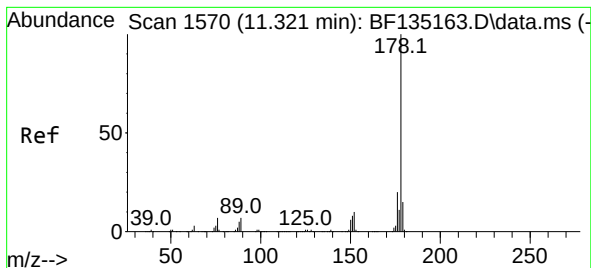
Ion Ratio Lower Upper

266 100

268 62.6 52.1 78.1

264 62.6 50.8 76.2





#71

Phenanthrene

Concen: 48.440 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

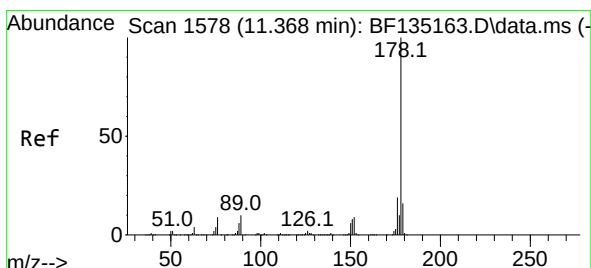
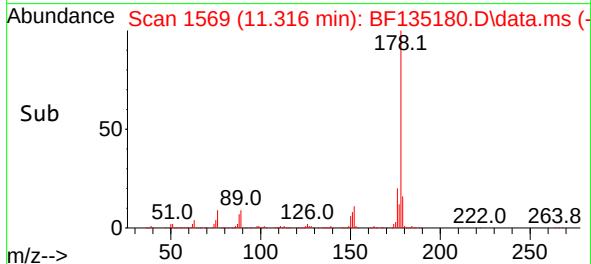
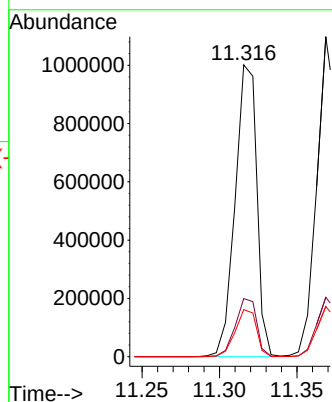
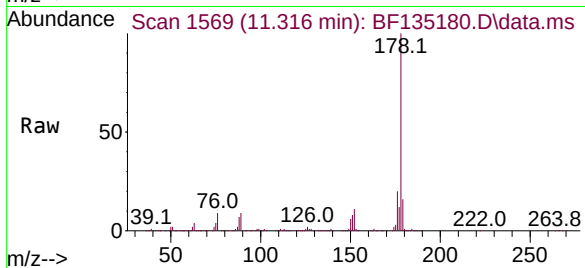
Tgt Ion:178 Resp: 975255

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

179 16.1 12.0 18.0



#72

Anthracene

Concen: 48.311 ng

RT: 11.369 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

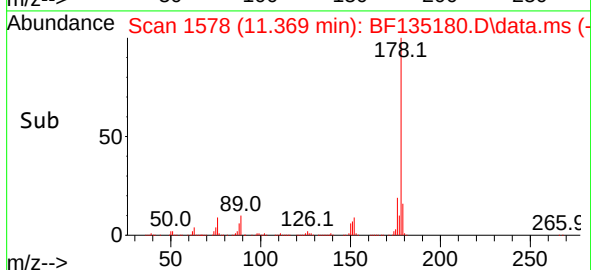
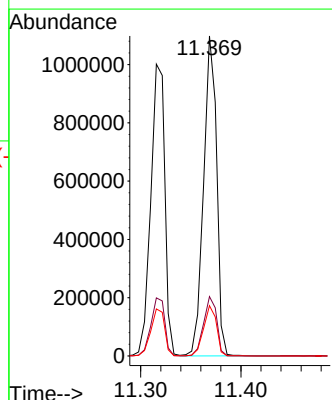
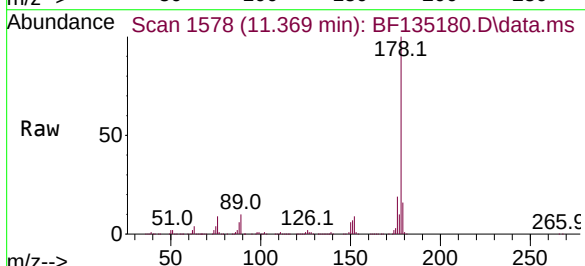
Tgt Ion:178 Resp: 999782

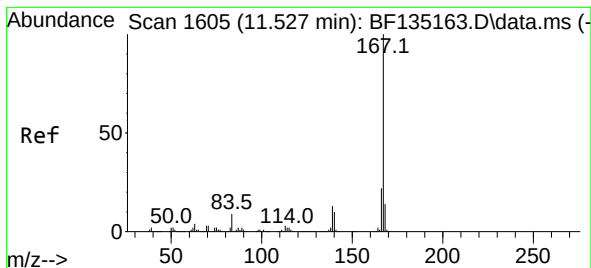
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

179 15.7 12.6 19.0





#73

Carbazole

Concen: 49.600 ng

RT: 11.527 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

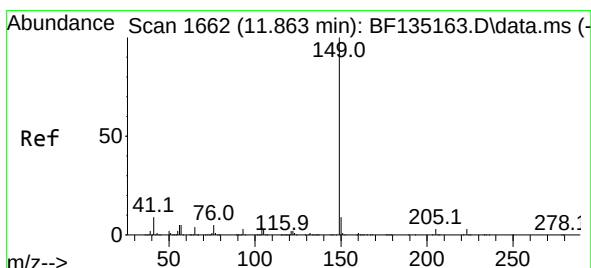
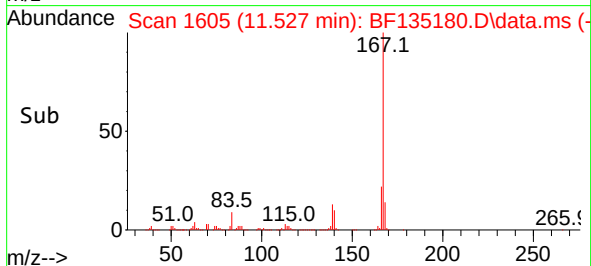
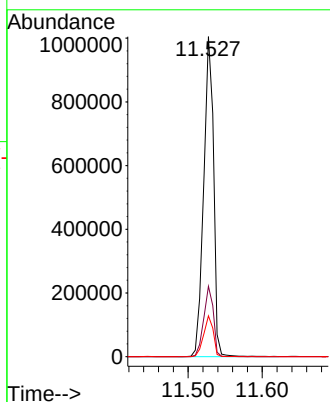
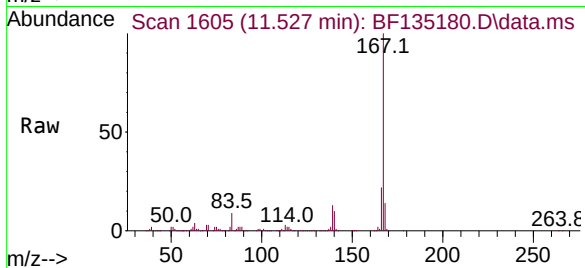
Tgt Ion:167 Resp: 934416

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.0

139 12.8 10.6 15.8



#74

Di-n-butylphthalate

Concen: 47.127 ng

RT: 11.863 min Scan# 1662

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

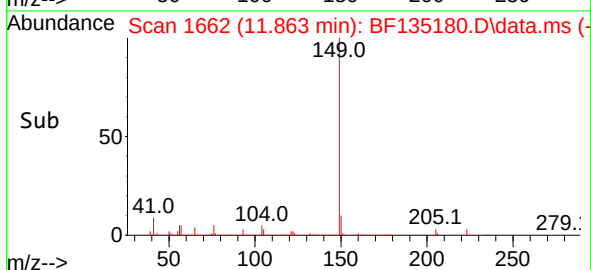
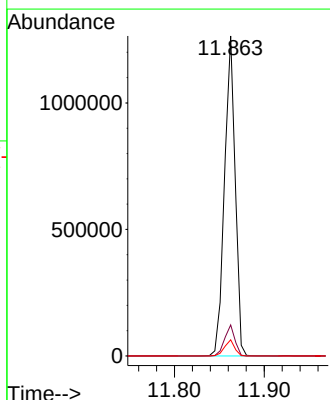
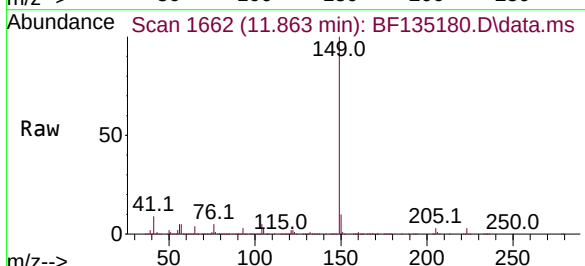
Tgt Ion:149 Resp: 1046159

Ion Ratio Lower Upper

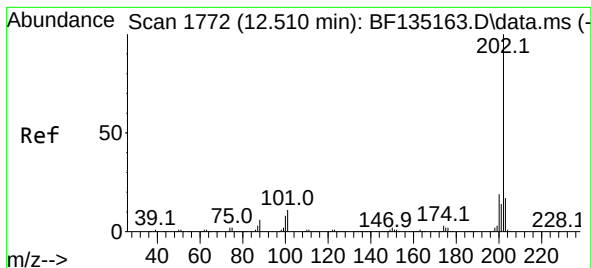
149 100

150 9.7 7.4 11.0

104 5.0 3.6 5.4







#75

Fluoranthene

Concen: 45.478 ng

RT: 12.510 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

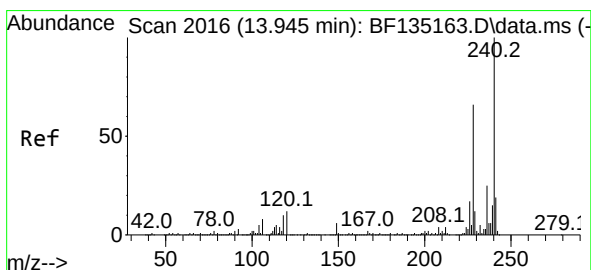
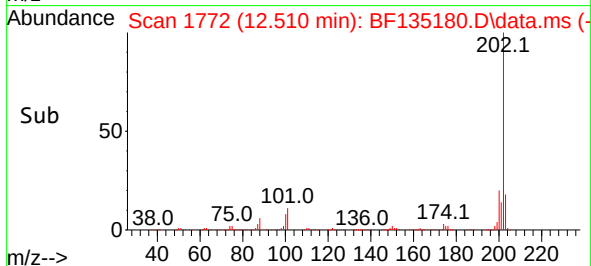
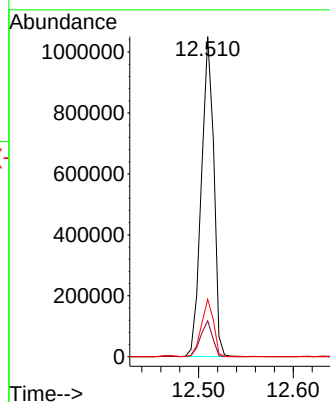
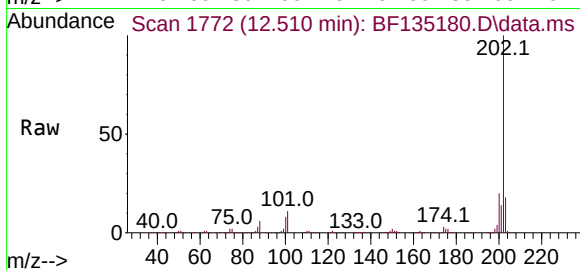
Tgt Ion:202 Resp: 954072

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.3

203 17.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

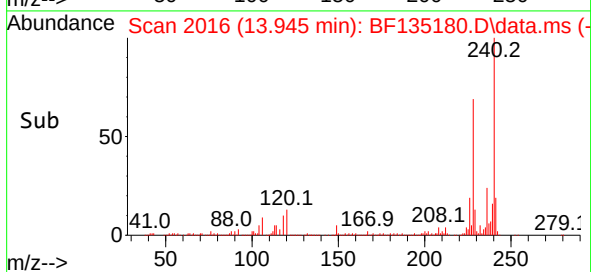
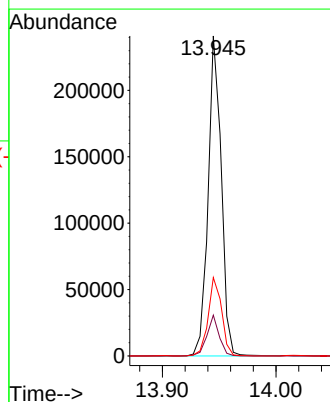
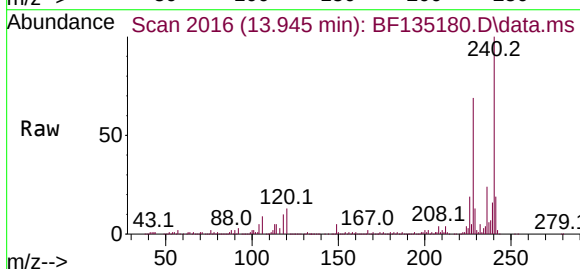
Tgt Ion:240 Resp: 192697

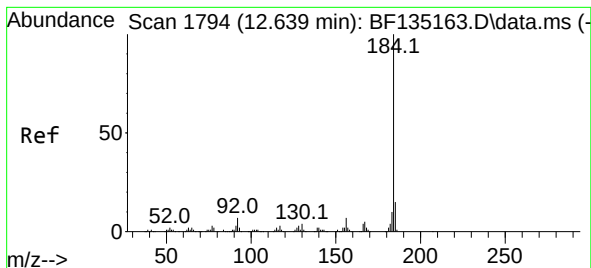
Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

236 24.5 19.8 29.8





#77

Benzidine

Concen: 48.949 ng

RT: 12.633 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

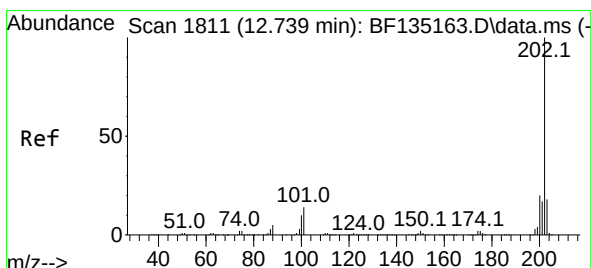
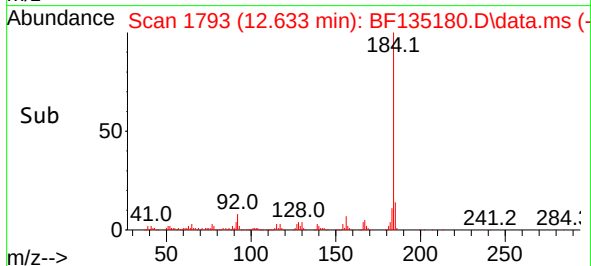
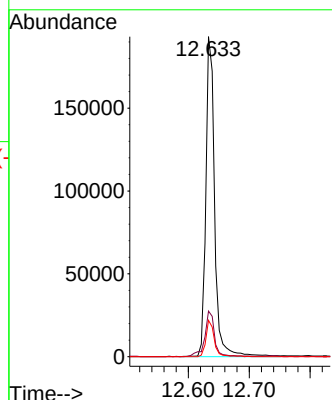
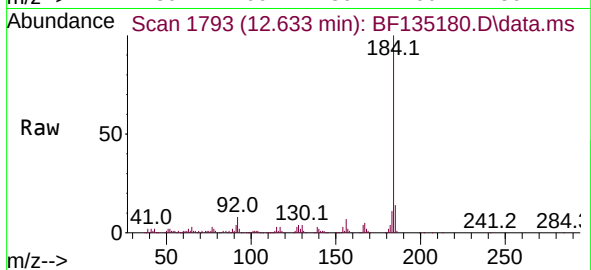
Tgt Ion:184 Resp: 193239

Ion Ratio Lower Upper

184 100

185 14.3 11.7 17.5

183 11.4 8.2 12.4



#78

Pyrene

Concen: 51.394 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

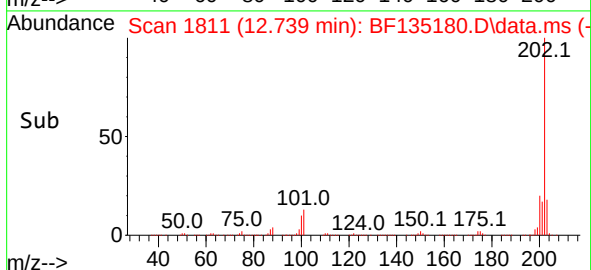
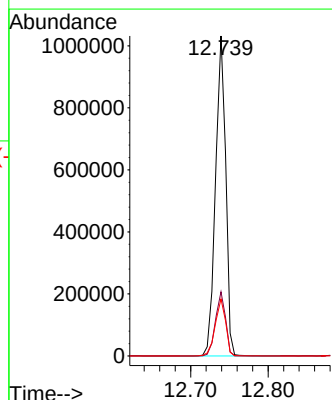
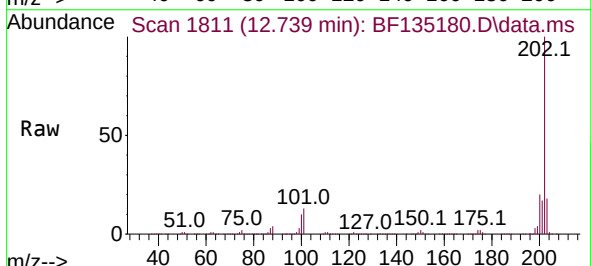
Tgt Ion:202 Resp: 942891

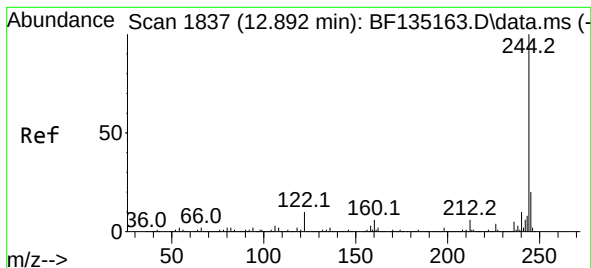
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 71.325 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

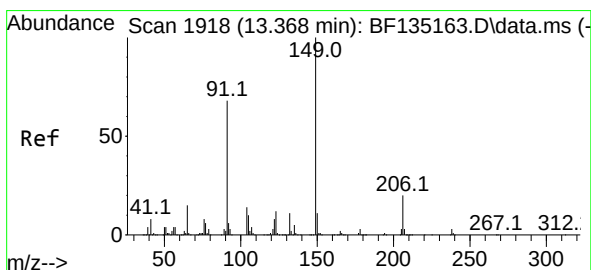
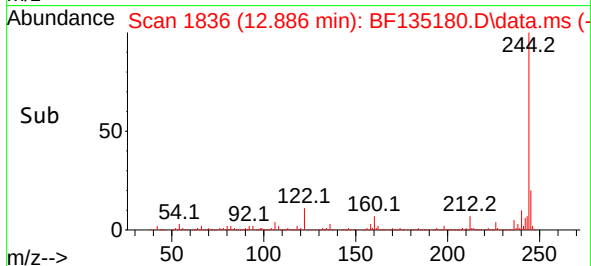
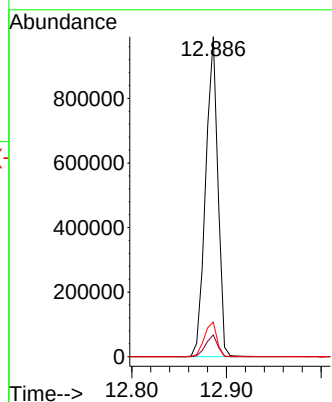
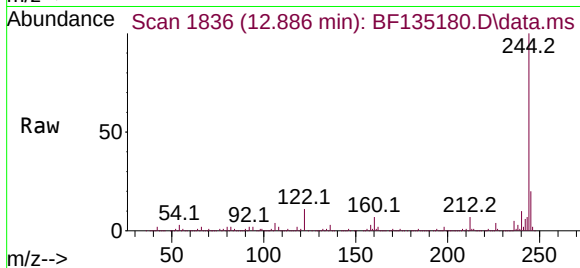
Tgt Ion:244 Resp: 886603

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 10.8 7.9 11.9



#80

Butylbenzylphthalate

Concen: 52.376 ng

RT: 13.368 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

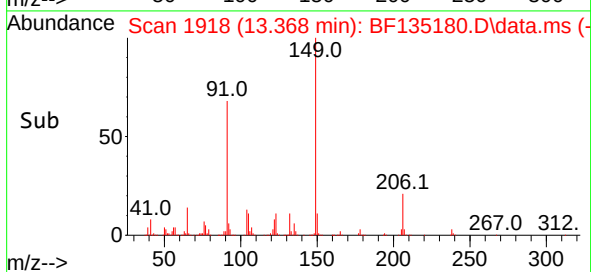
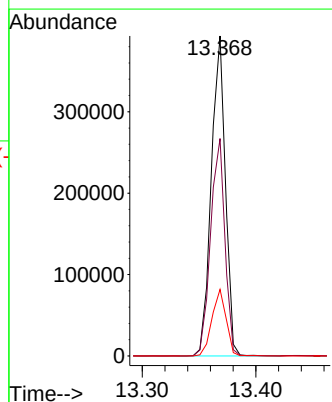
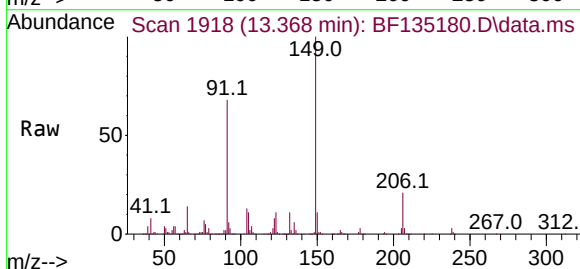
Tgt Ion:149 Resp: 338316

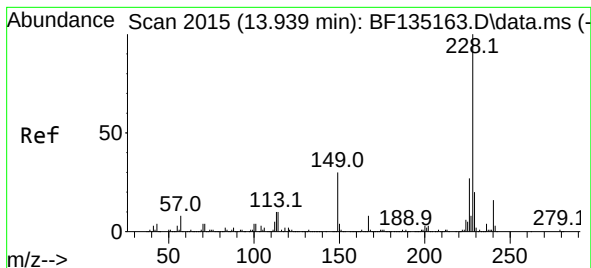
Ion Ratio Lower Upper

149 100

91 67.9 54.7 82.1

206 20.8 16.3 24.5





#81

Benzo(a)anthracene

Concen: 48.705 ng

RT: 13.939 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

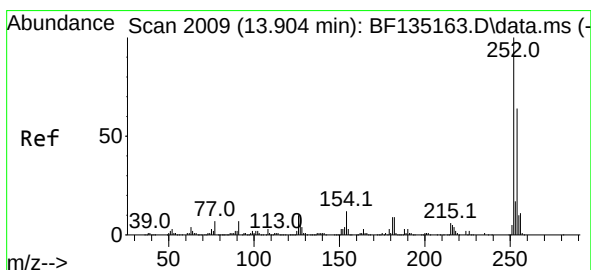
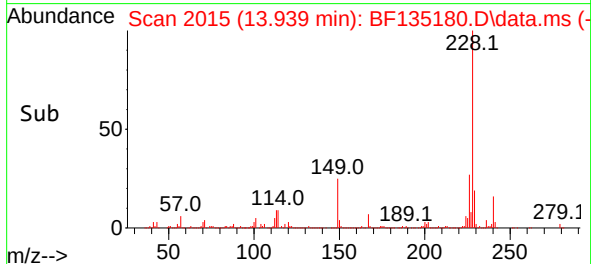
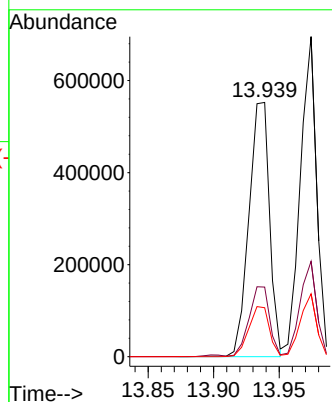
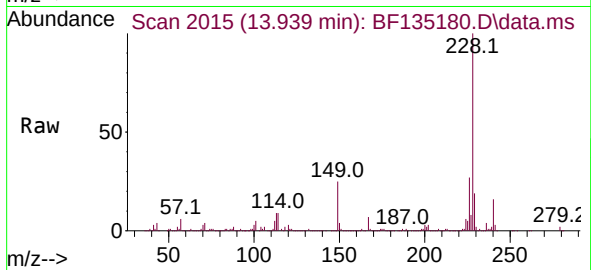
Tgt Ion:228 Resp: 606032

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 19.3 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 49.224 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

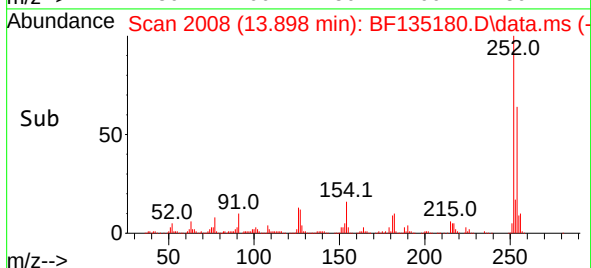
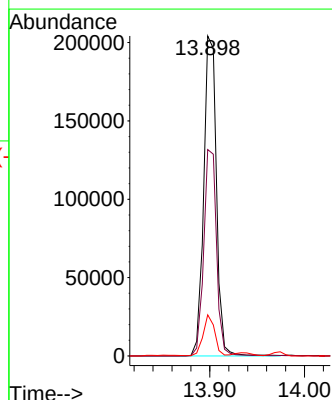
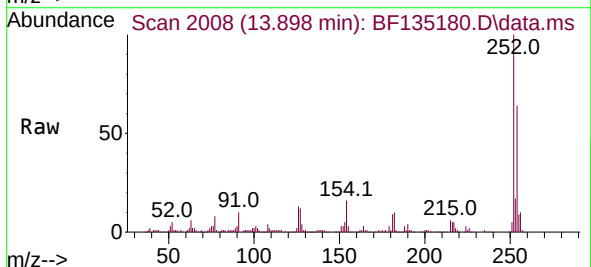
Tgt Ion:252 Resp: 191315

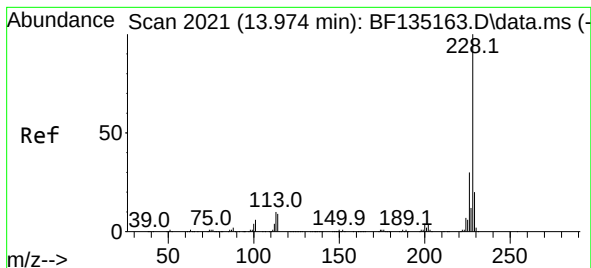
Ion Ratio Lower Upper

252 100

254 64.5 51.0 76.4

126 12.8 7.8 11.8#





#83

Chrysene

Concen: 48.839 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

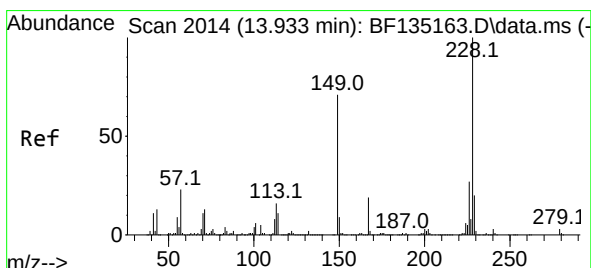
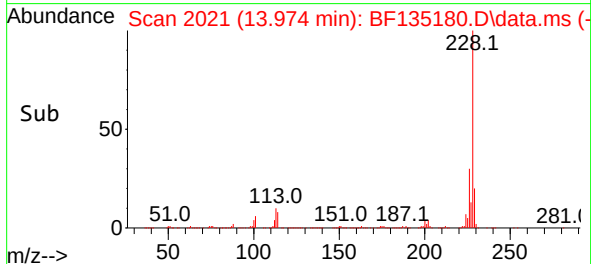
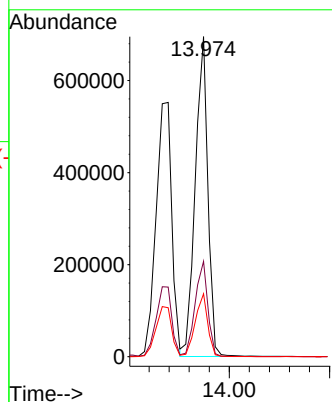
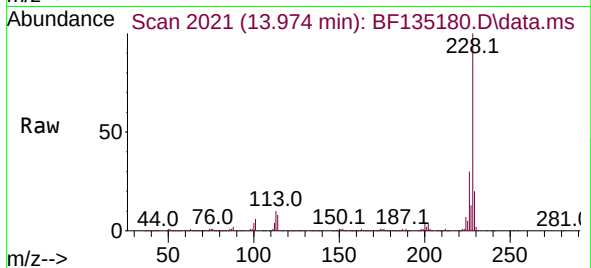
Tgt Ion:228 Resp: 604193

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 19.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.805 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

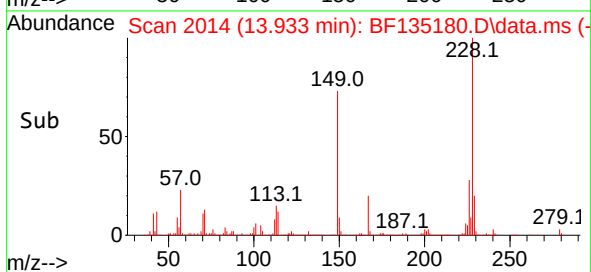
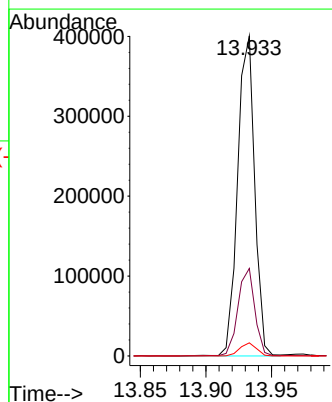
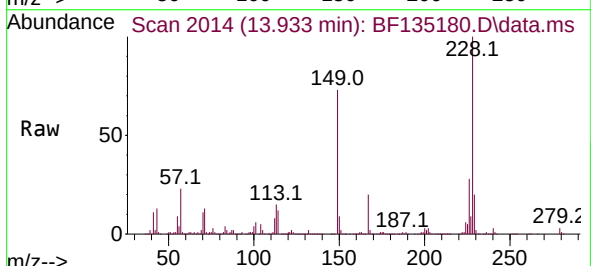
Tgt Ion:149 Resp: 363272

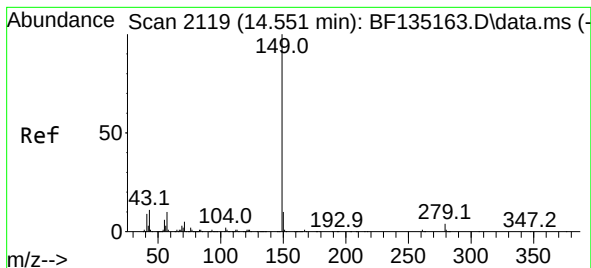
Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

279 4.1 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 56.258 ng

RT: 14.551 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

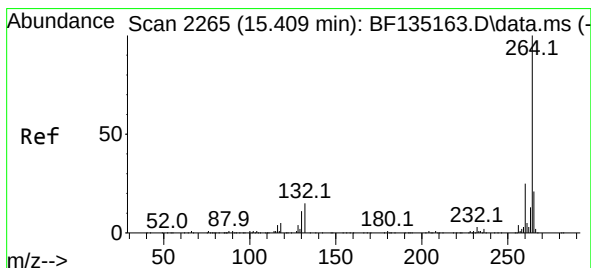
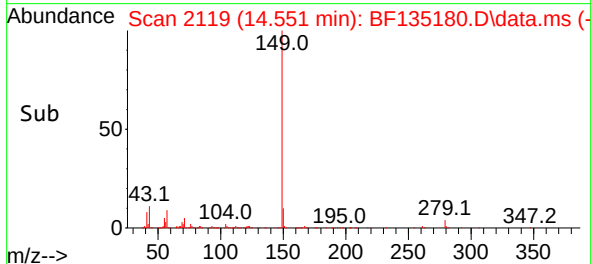
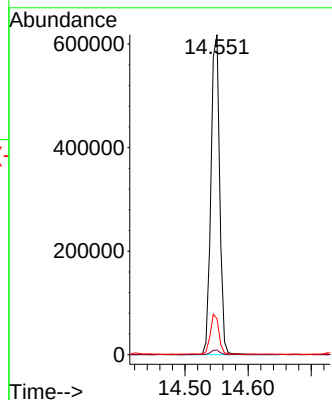
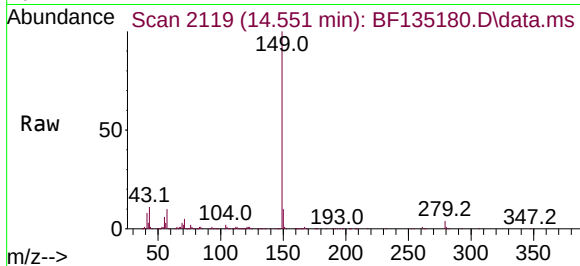
Tgt Ion:149 Resp: 592622

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.2 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

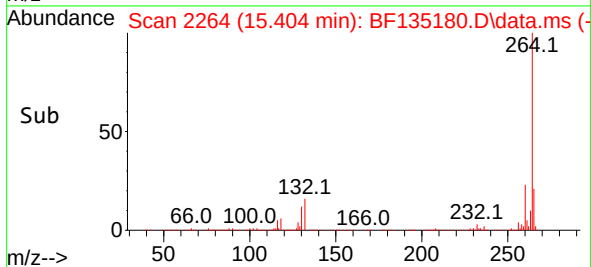
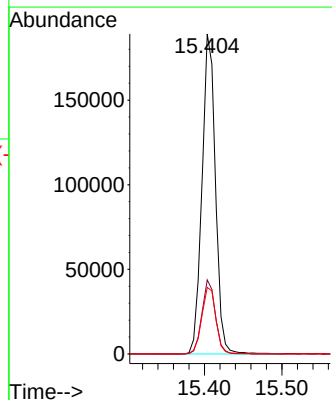
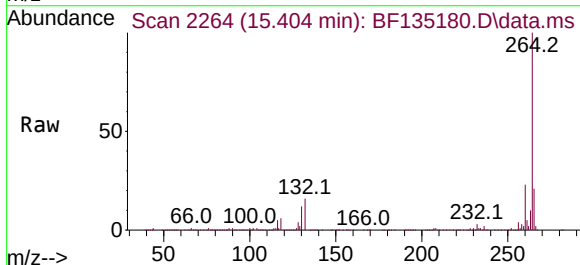
Tgt Ion:264 Resp: 227797

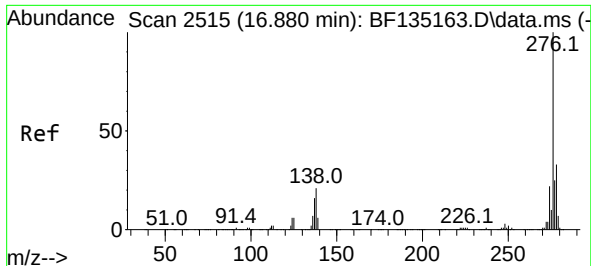
Ion Ratio Lower Upper

264 100

260 23.2 19.8 29.6

265 20.8 17.0 25.4

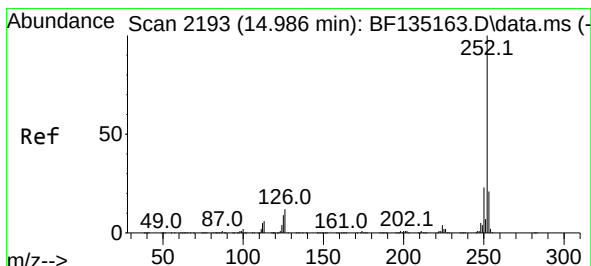
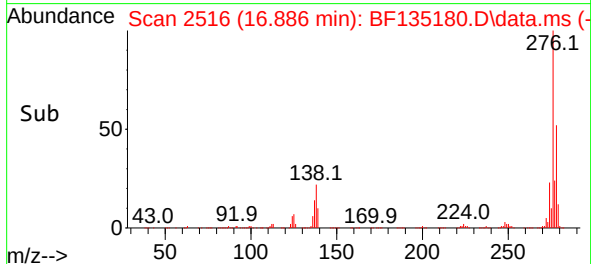
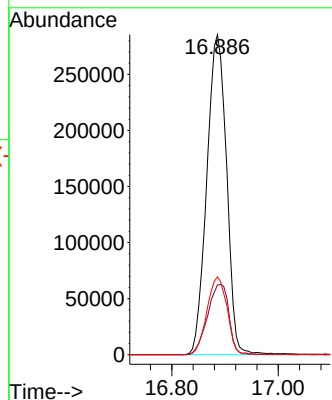
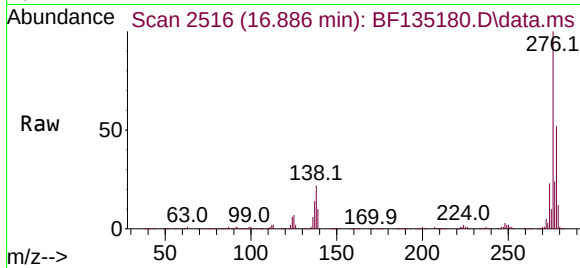




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.196 ng  
RT: 16.886 min Scan# 2156  
Delta R.T. 0.006 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

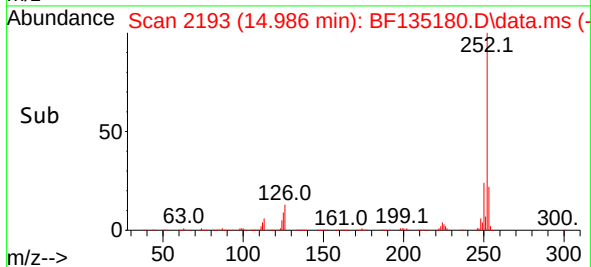
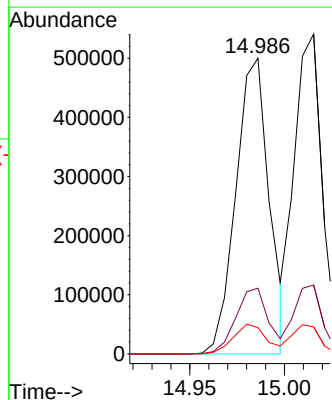
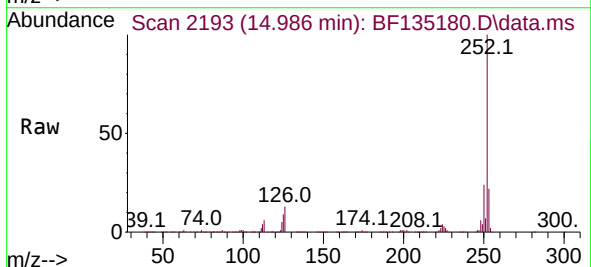
Instrument :  
BNA\_F  
ClientSampleId :

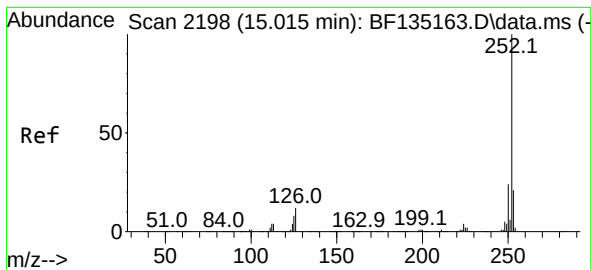
Tgt Ion:276 Resp: 734787  
Ion Ratio Lower Upper  
276 100  
138 23.6 19.2 28.8  
277 24.7 19.7 29.5



#88  
Benzo(b)fluoranthene  
Concen: 49.591 ng  
RT: 14.986 min Scan# 2193  
Delta R.T. 0.000 min  
Lab File: BF135180.D  
Acq: 12 Sep 2023 14:18

Tgt Ion:252 Resp: 611532  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.2 25.8  
125 9.0 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 45.744 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

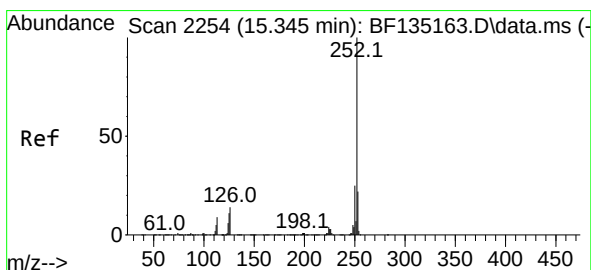
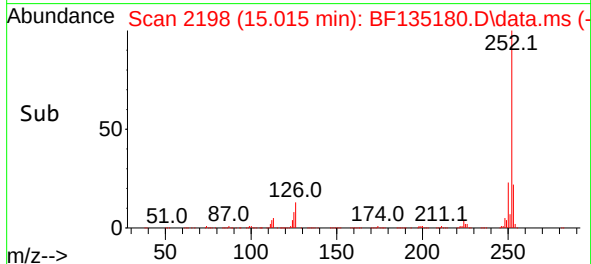
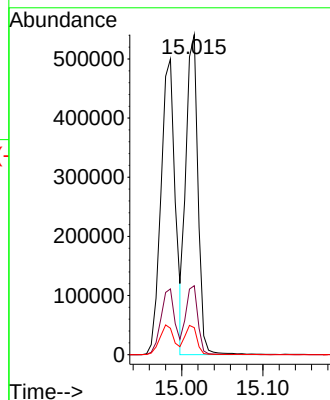
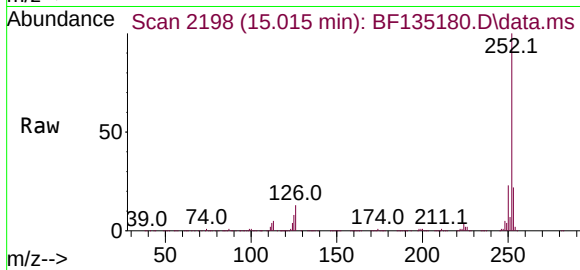
Tgt Ion:252 Resp: 557227

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 45.900 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

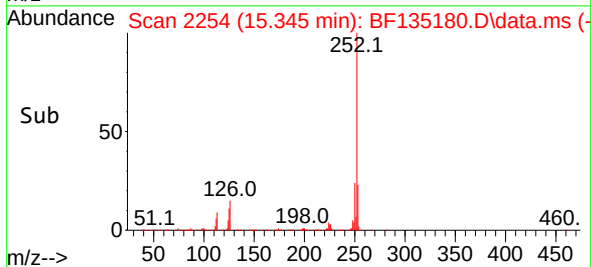
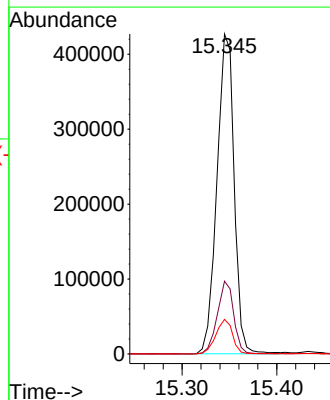
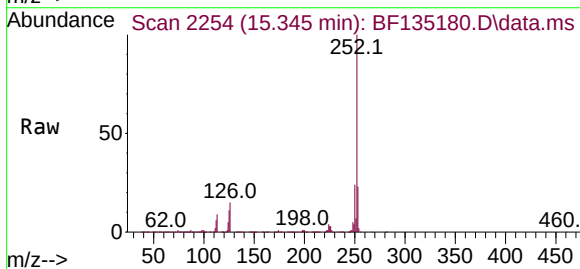
Tgt Ion:252 Resp: 539768

Ion Ratio Lower Upper

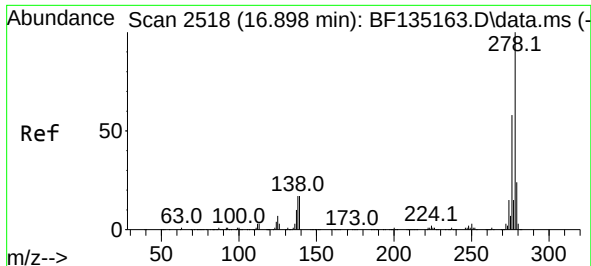
252 100

253 22.8 17.5 26.3

125 10.8 9.2 13.8







#91

Dibenzo(a,h)anthracene

Concen: 48.634 ng

RT: 16.903 min Scan# 2519

Delta R.T. 0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Instrument :

BNA\_F

ClientSampleId :

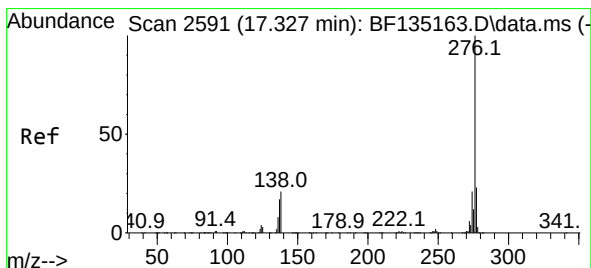
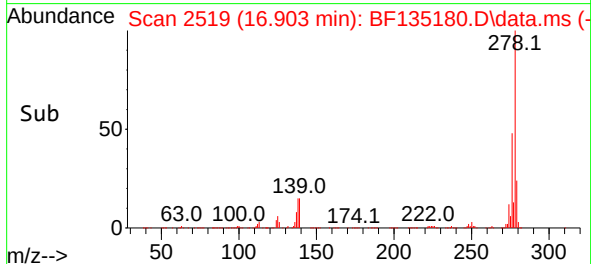
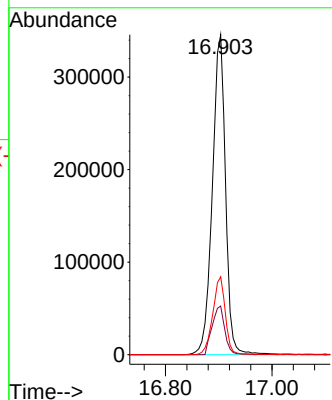
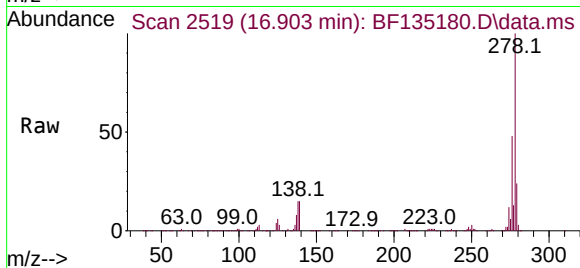
Tgt Ion:278 Resp: 594340

Ion Ratio Lower Upper

278 100

139 15.2 13.4 20.0

279 24.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 47.180 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135180.D

Acq: 12 Sep 2023 14:18

Tgt Ion:276 Resp: 602157

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 19.8 16.9 25.3

