

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080924\  
 Data File : BF138898.D  
 Acq On : 09 Aug 2024 20:06  
 Operator : RC/JU  
 Sample : P3509-01MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-080724MSD

Quant Time: Aug 09 23:31:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 41882    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 167151   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 76034    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 104468   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 71094    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.463 | 264  | 55254    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 311921   | 114.965 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.492  | 99   | 409263   | 112.351 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 257626   | 75.355  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 59843    | 96.084  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 408983   | 80.819  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 300520   | 70.773  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.699  | 88   | 46499    | 39.146  | ng    | 97       |
| 3) Pyridine                   | 3.440  | 79   | 122600   | 42.607  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 98989    | 57.761  | ng    | 85       |
| 6) Aniline                    | 6.504  | 93   | 68335    | 21.035  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.634  | 128  | 152383   | 53.382  | ng    | 96       |
| 9) Benzaldehyde               | 6.398  | 77   | 5991     | 2.744   | ng    | 96       |
| 10) Phenol                    | 6.504  | 94   | 186980   | 48.752  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.581  | 93   | 143356   | 48.572  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 160401   | 50.198  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 164399   | 50.981  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 153388   | 50.897  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.992  | 79   | 140859   | 53.651  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 245451   | 48.324  | ng    | 51       |
| 17) 2-Methylphenol            | 7.110  | 107  | 117178   | 49.712  | ng    | # 84     |
| 18) Hexachloroethane          | 7.345  | 117  | 60329    | 49.701  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 118514   | 53.867  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.263  | 107  | 157435   | 52.056  | ng    | # 77     |
| 22) Acetophenone              | 7.251  | 105  | 206402   | 50.432  | ng    | # 97     |
| 24) Nitrobenzene              | 7.428  | 77   | 167174   | 48.054  | ng    | 99       |
| 25) Isophorone                | 7.669  | 82   | 297415   | 50.946  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 74741    | 49.936  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 99531    | 55.579  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 179299   | 50.435  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.992  | 162  | 118209   | 51.369  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 130969   | 49.318  | ng    | 99       |
| 31) Naphthalene               | 8.145  | 128  | 427386   | 48.576  | ng    | 100      |
| 32) Benzoic acid              | 7.904  | 122  | 9074     | 6.446   | ng    | 86       |
| 33) 4-Chloroaniline           | 8.198  | 127  | 39725    | 13.451  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.257  | 225  | 81661    | 50.769  | ng    | 99       |
| 35) Caprolactam               | 8.575  | 113  | 25056    | 36.491  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 127070   | 48.318  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.834  | 142  | 269231   | 48.453  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.934  | 142  | 245392   | 45.068  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 112112   | 53.080  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.981  | 237  | 23430    | 45.227  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 70657    | 54.867  | ng    | 99       |

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 ALS Vial : 21 Sample Multiplier: 1

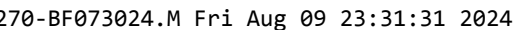
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-080724MSD

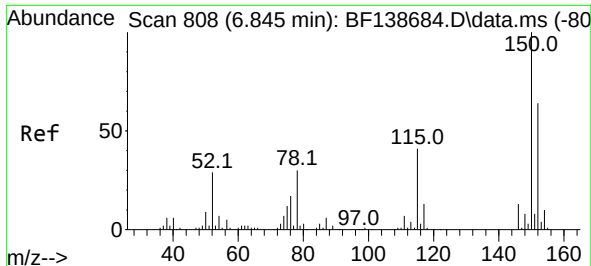
Quant Time: Aug 09 23:31:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.169  | 196  | 72214    | 51.295 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 315162   | 52.925 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 236859   | 53.481 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 85640    | 57.039 | ng    | 97       |
| 49) Acenaphthylene            | 9.739  | 152  | 353188   | 56.228 | ng    | 100      |
| 50) Dimethylphthalate         | 9.598  | 163  | 288597   | 59.361 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 56713    | 51.689 | ng    | 89       |
| 52) Acenaphthene              | 9.910  | 154  | 216255   | 51.215 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.839  | 138  | 34062    | 30.030 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 7053     | 13.964 | ng    | # 71     |
| 55) Dibenzofuran              | 10.081 | 168  | 312316   | 52.398 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 53345    | 78.209 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 71554    | 51.116 | ng    | # 85     |
| 58) Fluorene                  | 10.428 | 166  | 239492   | 50.456 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 43654    | 40.559 | ng    | 93       |
| 60) Diethylphthalate          | 10.298 | 149  | 270945   | 58.777 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 119609   | 51.237 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.451 | 138  | 45733    | 42.428 | ng    | 89       |
| 63) Azobenzene                | 10.575 | 77   | 249518   | 48.804 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198  | 11756    | 18.445 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 198438   | 60.769 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 63759    | 56.371 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.975 | 284  | 61195    | 52.401 | ng    | 97       |
| 69) Atrazine                  | 11.063 | 200  | 57708    | 68.497 | ng    | 99       |
| 70) Pentachlorophenol         | 11.175 | 266  | 34927    | 66.352 | ng    | 97       |
| 71) Phenanthrene              | 11.386 | 178  | 316338   | 58.807 | ng    | 99       |
| 72) Anthracene                | 11.439 | 178  | 302491   | 57.081 | ng    | 99       |
| 73) Carbazole                 | 11.598 | 167  | 244206   | 53.414 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.916 | 149  | 346054   | 67.330 | ng    | 99       |
| 75) Fluoranthene              | 12.574 | 202  | 311012   | 61.931 | ng    | 99       |
| 77) Benzidine                 | 12.698 | 184  | 104334   | 61.357 | ng    | 98       |
| 78) Pyrene                    | 12.804 | 202  | 320639   | 47.901 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.416 | 149  | 130936   | 61.085 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 270798   | 55.314 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.951 | 252  | 62282    | 49.713 | ng    | 98       |
| 83) Chrysene                  | 14.027 | 228  | 245309   | 55.539 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 193897   | 61.774 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 304083   | 52.362 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.939 | 276  | 163995   | 41.416 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 188396   | 55.003 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 188241   | 63.475 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 164076   | 56.949 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.945 | 278  | 128767   | 39.616 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.380 | 276  | 124605   | 36.942 | ng    | 96       |

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

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QLast Update : Tue Jul 30 17:50:01 2024  
Response via : Initial Calibration

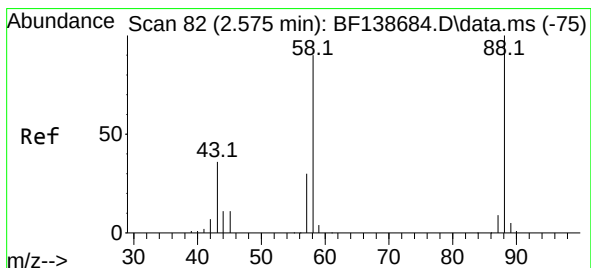
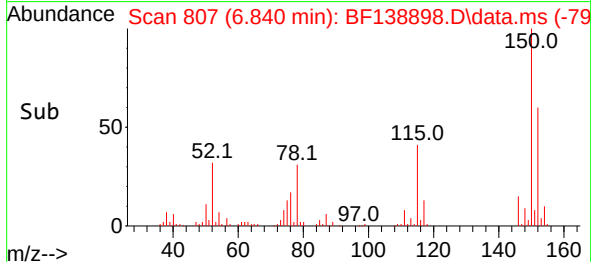
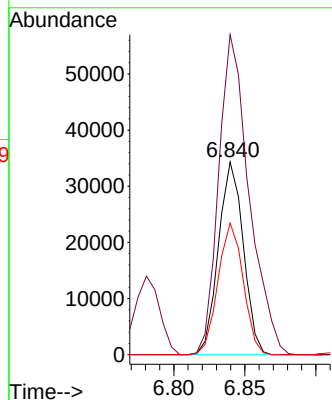
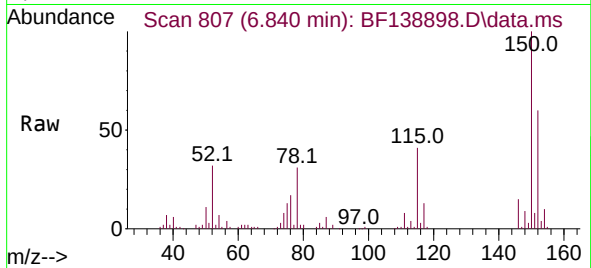




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.840 min Scan# 80  
 Delta R.T. -0.005 min  
 Lab File: BF138898.D  
 Acq: 09 Aug 2024 20:06

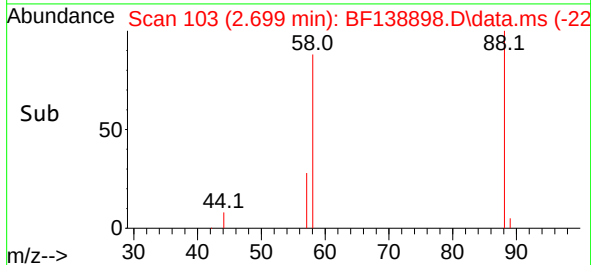
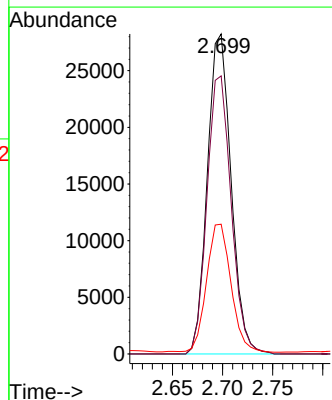
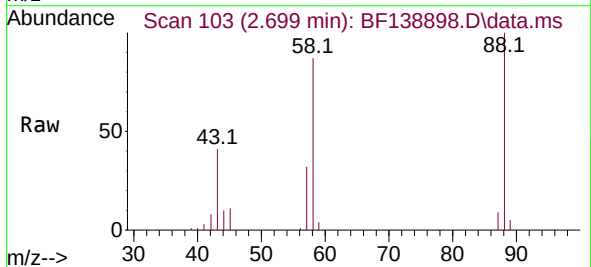
Instrument :  
 BNA\_F  
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 OR-02-080724MSD

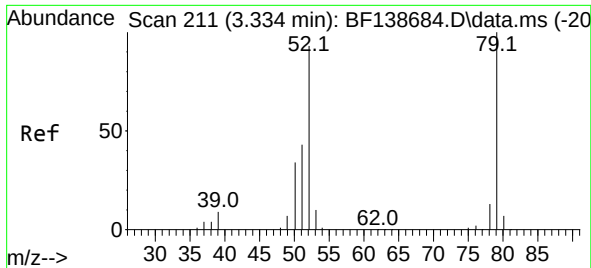
Tgt Ion:152 Resp: 41882  
 Ion Ratio Lower Upper  
 152 100  
 150 166.0 126.0 189.0  
 115 68.3 51.7 77.5



#2  
 1,4-Dioxane  
 Concen: 39.146 ng  
 RT: 2.699 min Scan# 103  
 Delta R.T. 0.124 min  
 Lab File: BF138898.D  
 Acq: 09 Aug 2024 20:06

Tgt Ion: 88 Resp: 46499  
 Ion Ratio Lower Upper  
 88 100  
 58 88.9 71.6 107.4  
 43 41.1 28.7 43.1

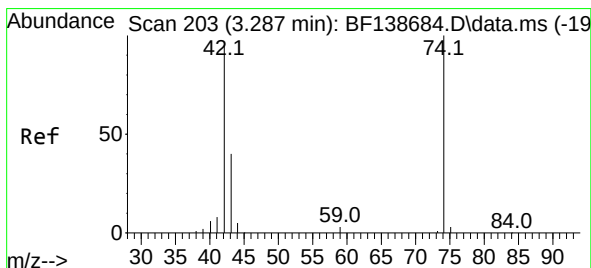
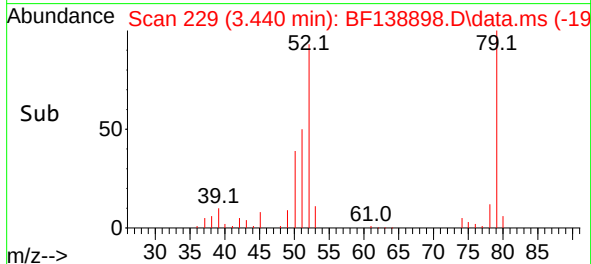
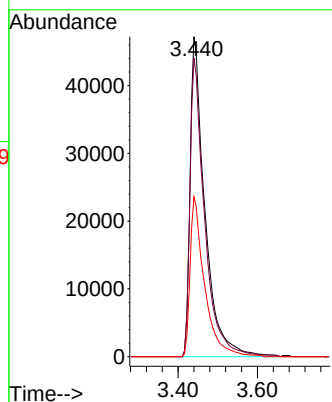
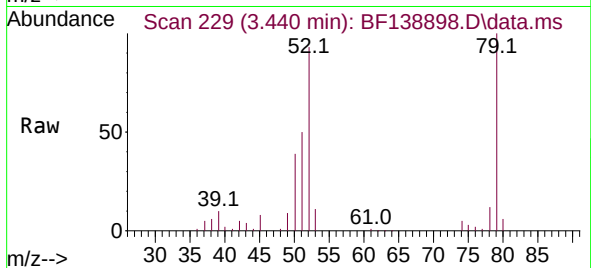




#3  
Pyridine  
Concen: 42.607 ng  
RT: 3.440 min Scan# 211  
Delta R.T. 0.106 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

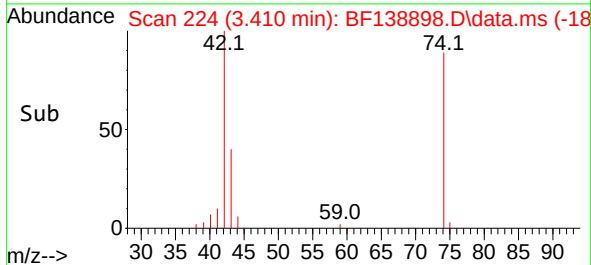
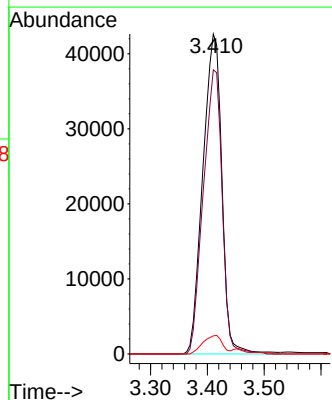
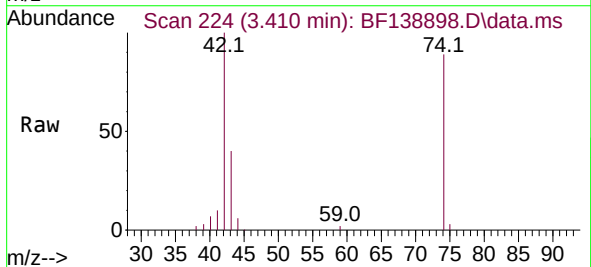
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

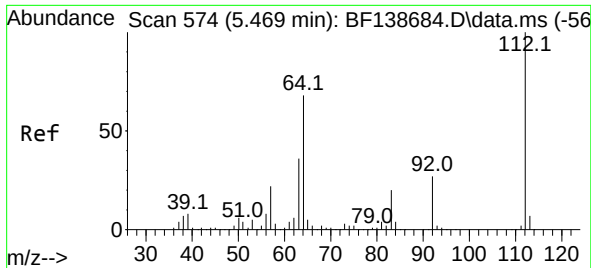
Tgt Ion: 79 Resp: 122600  
Ion Ratio Lower Upper  
79 100  
52 93.3 74.7 112.1  
51 49.9 34.6 51.8



#4  
n-Nitrosodimethylamine  
Concen: 57.761 ng  
RT: 3.410 min Scan# 224  
Delta R.T. 0.124 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion: 42 Resp: 98989  
Ion Ratio Lower Upper  
42 100  
74 88.8 84.2 126.4  
44 5.7 4.9 7.3

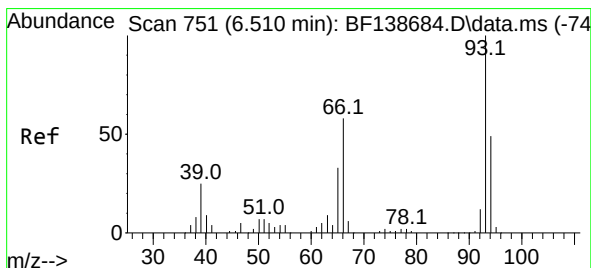
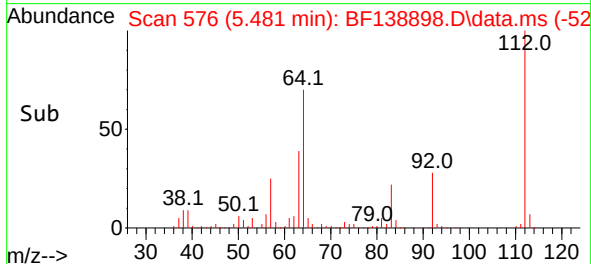
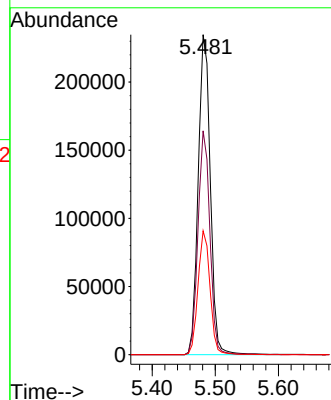
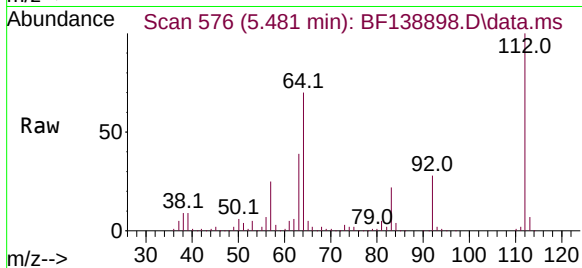




#5  
2-Fluorophenol  
Concen: 114.965 ng  
RT: 5.481 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

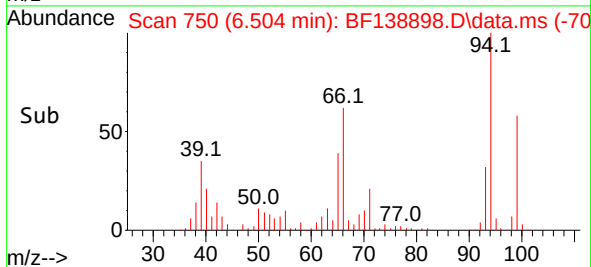
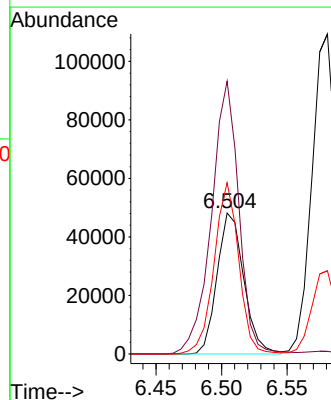
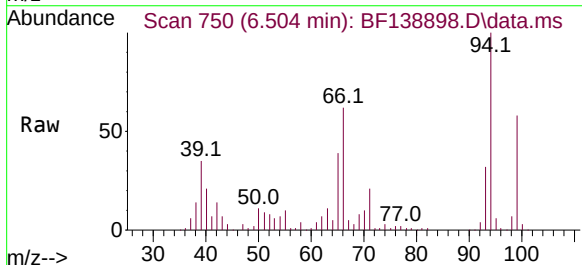
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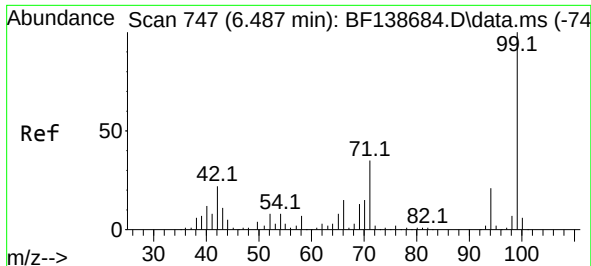
Tgt Ion:112 Resp: 311921  
Ion Ratio Lower Upper  
112 100  
64 69.9 54.2 81.4  
63 38.7 28.7 43.1



#6  
Aniline  
Concen: 21.035 ng  
RT: 6.504 min Scan# 750  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion: 93 Resp: 68335  
Ion Ratio Lower Upper  
93 100  
66 193.5 46.9 70.3#  
65 121.4 26.5 39.7#





#7

Phenol-d6

Concen: 112.351 ng

RT: 6.492 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

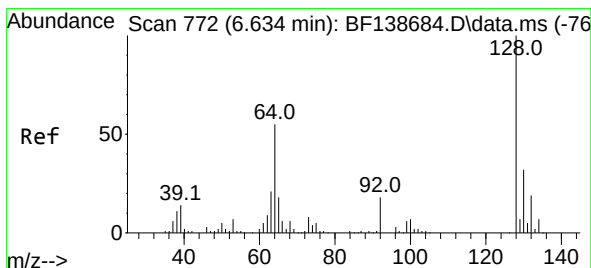
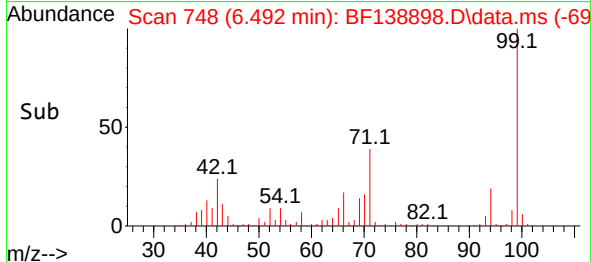
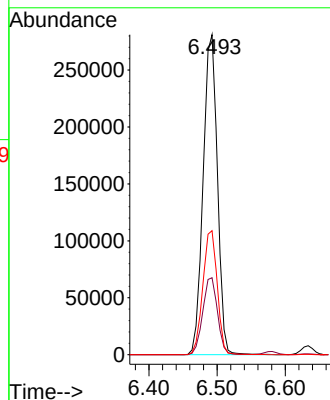
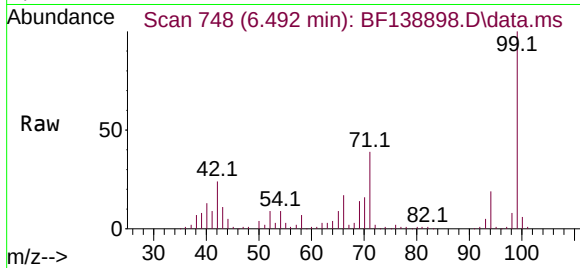
Tgt Ion: 99 Resp: 409263

Ion Ratio Lower Upper

99 100

42 24.1 17.4 26.0

71 38.8 28.1 42.1



#8

2-Chlorophenol

Concen: 53.382 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

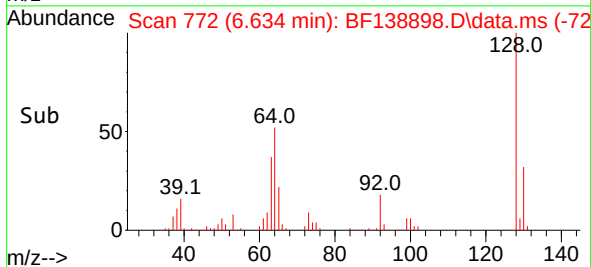
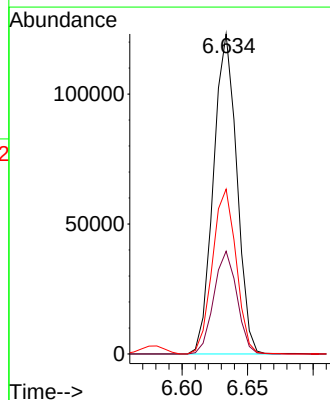
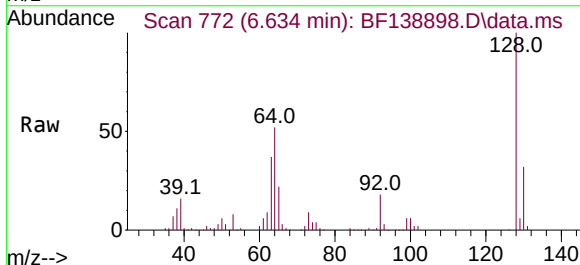
Tgt Ion:128 Resp: 152383

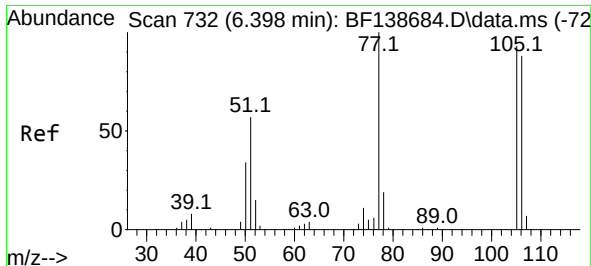
Ion Ratio Lower Upper

128 100

130 32.1 12.0 52.0

64 51.5 36.3 76.3





#9

Benzaldehyde

Concen: 2.744 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138898.D

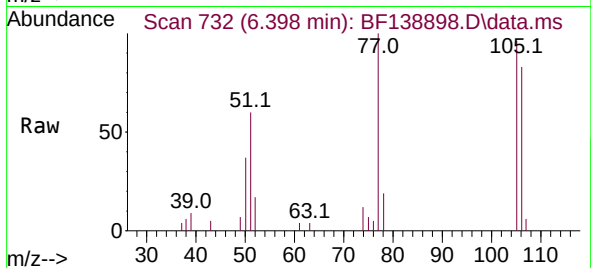
Acq: 09 Aug 2024 20:06

Instrument :

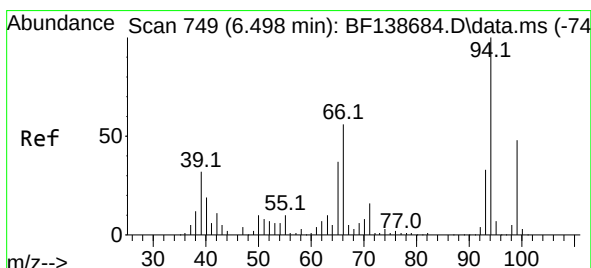
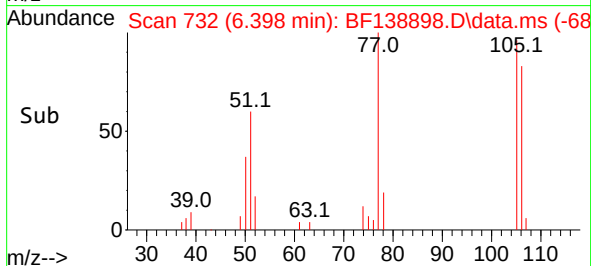
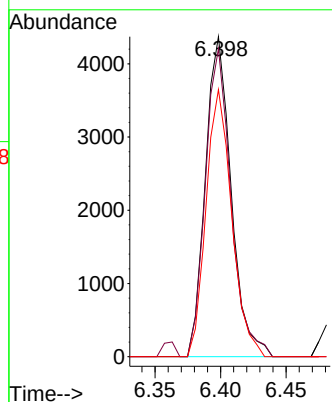
BNA\_F

ClientSampleId :

OR-02-080724MSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 5991  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 96.3  | 72.9  | 112.9 |
| 106      | 83.5  | 68.4  | 108.4 |



#10

Phenol

Concen: 48.752 ng

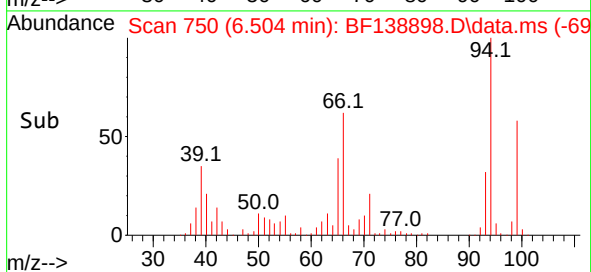
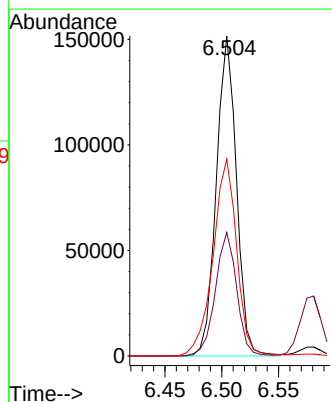
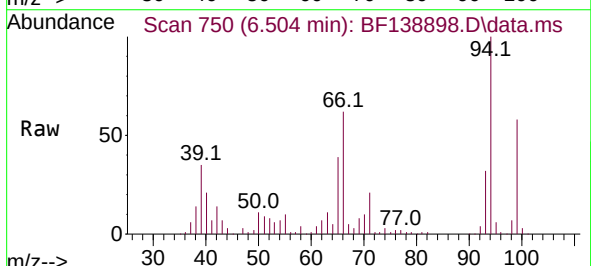
RT: 6.504 min Scan# 750

Delta R.T. 0.006 min

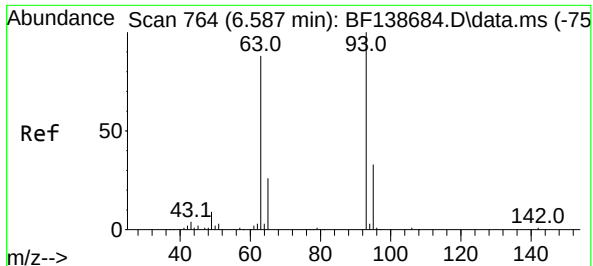
Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 186980 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 38.6  | 16.9  | 56.9   |
| 66       | 61.5  | 36.5  | 76.5   |







#11

bis(2-Chloroethyl)ether

Concen: 48.572 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

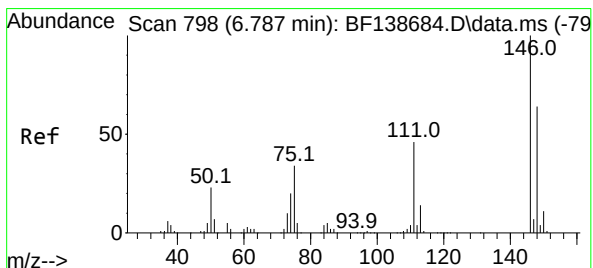
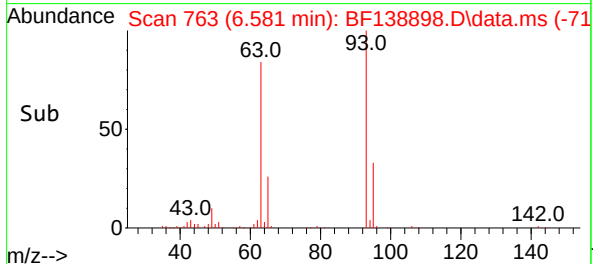
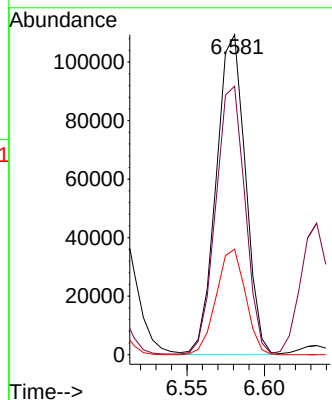
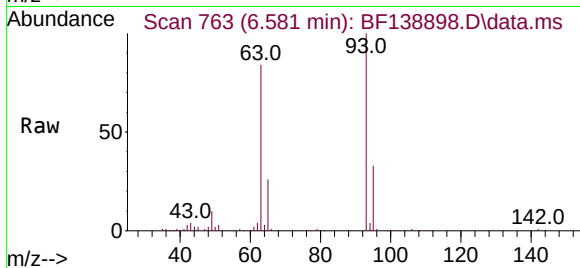
Tgt Ion: 93 Resp: 143356

Ion Ratio Lower Upper

93 100

63 83.9 65.3 105.3

95 32.9 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 50.198 ng

RT: 6.781 min Scan# 797

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

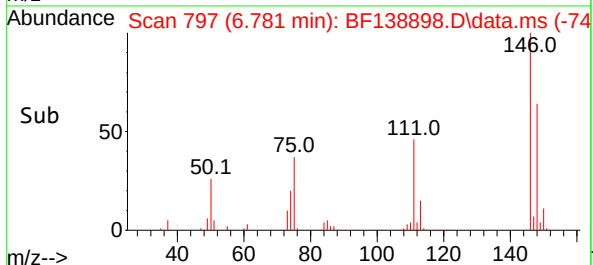
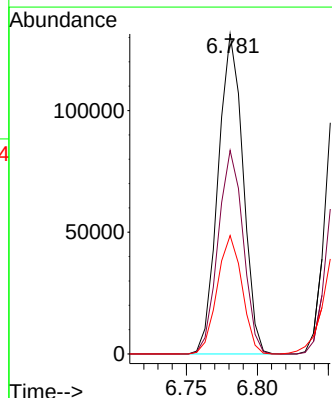
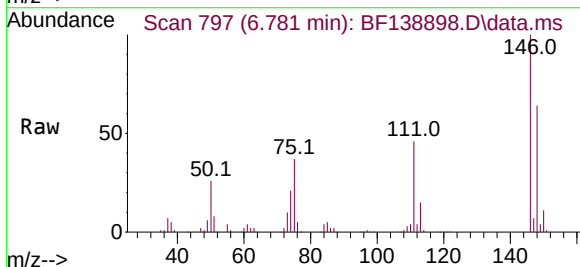
Tgt Ion: 146 Resp: 160401

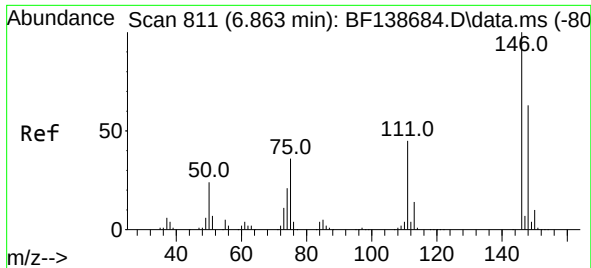
Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

75 37.0 27.4 41.2

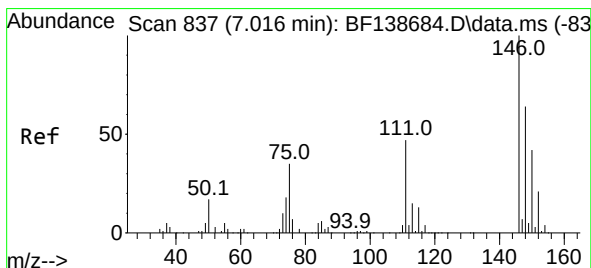
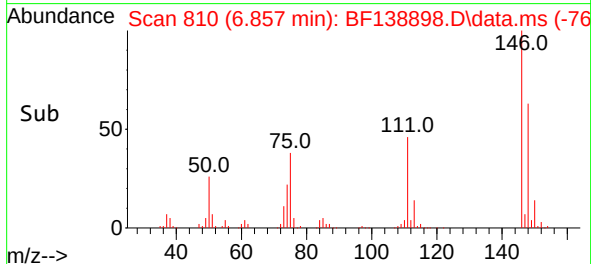
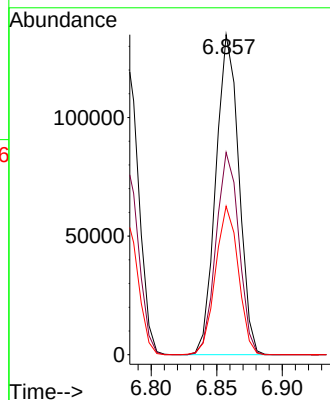
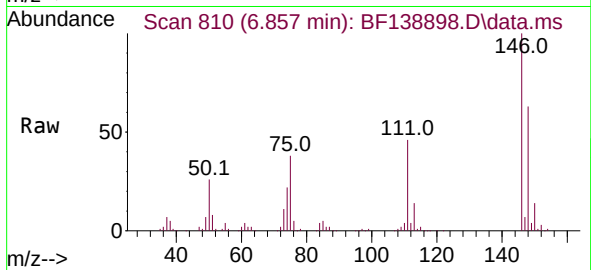




#13  
1,4-Dichlorobenzene  
Concen: 50.981 ng  
RT: 6.857 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

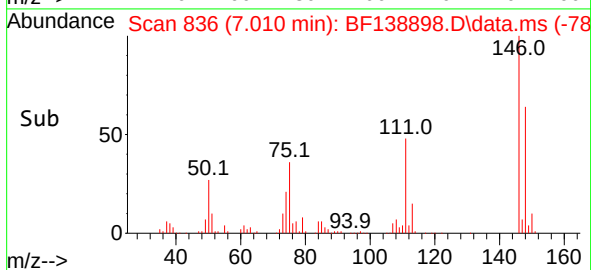
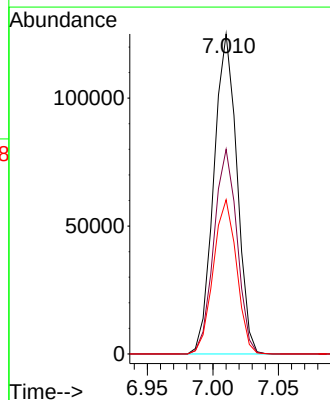
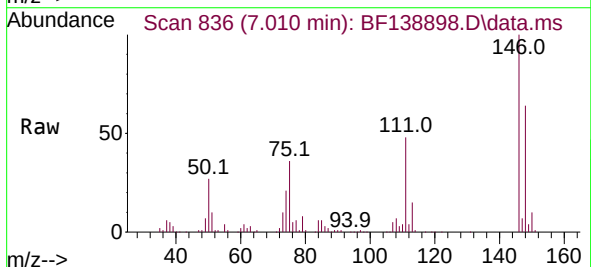
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

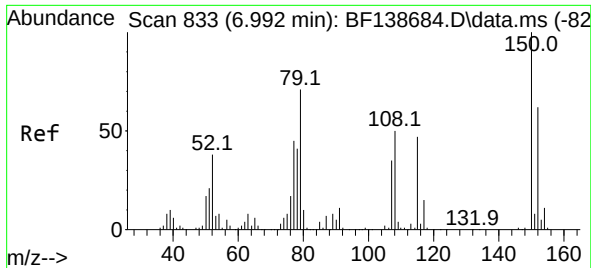
Tgt Ion:146 Resp: 164399  
Ion Ratio Lower Upper  
146 100  
148 63.2 50.2 75.2  
111 46.4 35.9 53.9



#14  
1,2-Dichlorobenzene  
Concen: 50.897 ng  
RT: 7.010 min Scan# 836  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:146 Resp: 153388  
Ion Ratio Lower Upper  
146 100  
148 63.9 50.8 76.2  
111 48.2 37.4 56.2

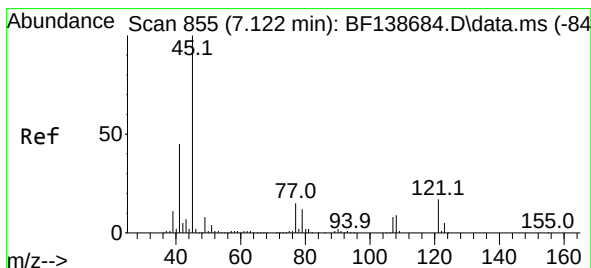
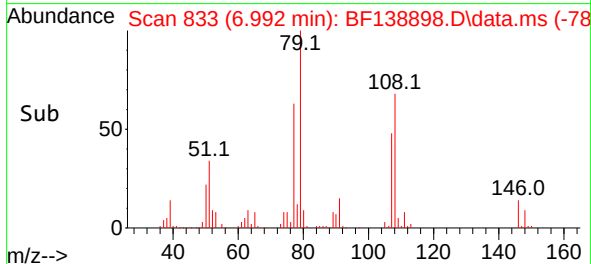
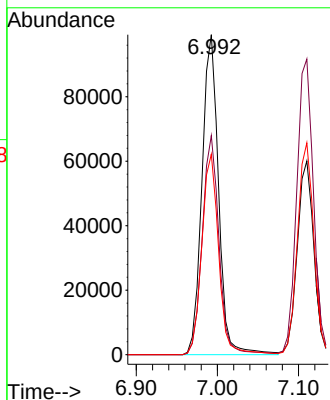
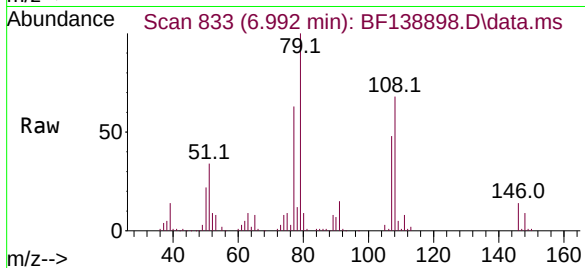




#15  
Benzyl Alcohol  
Concen: 53.651 ng  
RT: 6.992 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

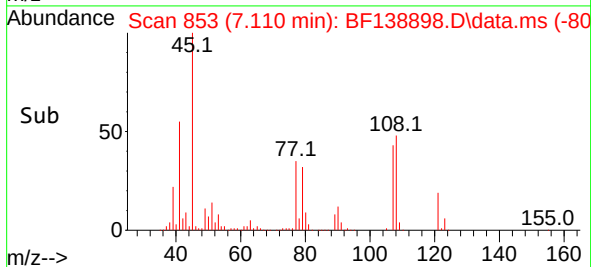
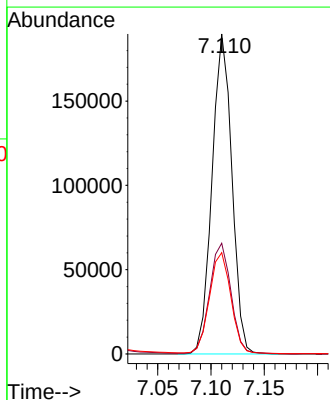
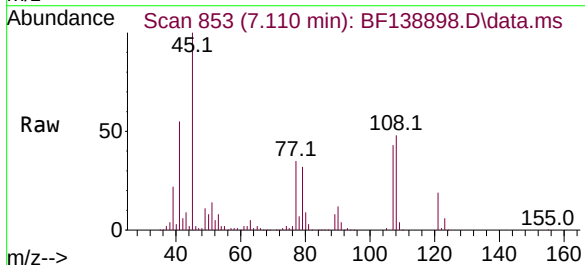
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

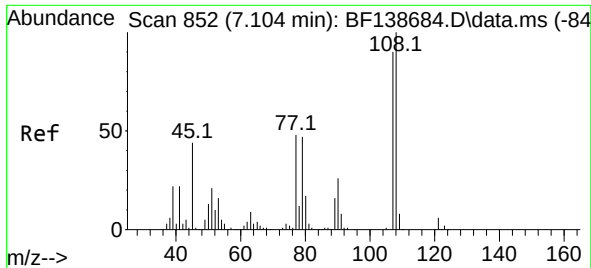
Tgt Ion: 79 Resp: 140859  
Ion Ratio Lower Upper  
79 100  
108 68.4 56.6 85.0  
77 62.7 50.3 75.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.324 ng  
RT: 7.110 min Scan# 853  
Delta R.T. -0.012 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion: 45 Resp: 245451  
Ion Ratio Lower Upper  
45 100  
77 34.6 0.0 34.9  
79 31.7 0.0 32.2

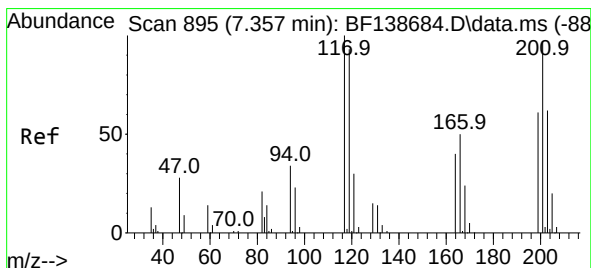
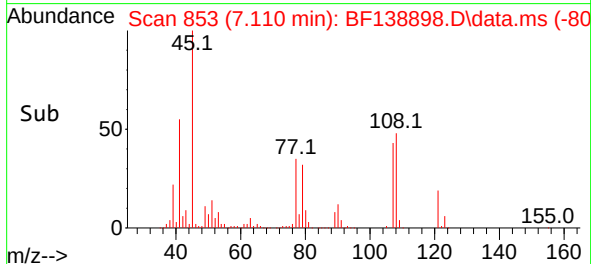
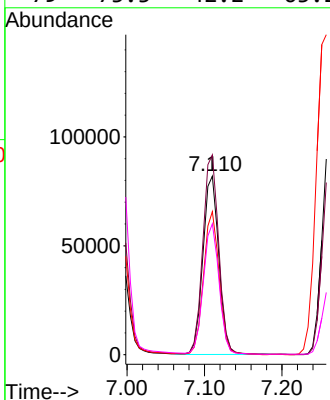
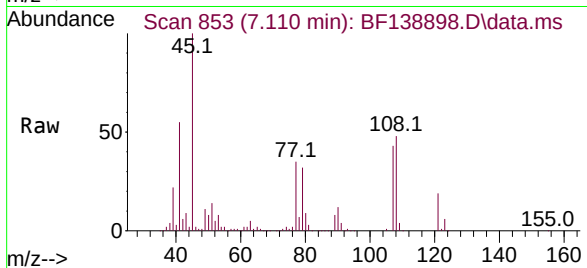




#17  
2-Methylphenol  
Concen: 49.712 ng  
RT: 7.110 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

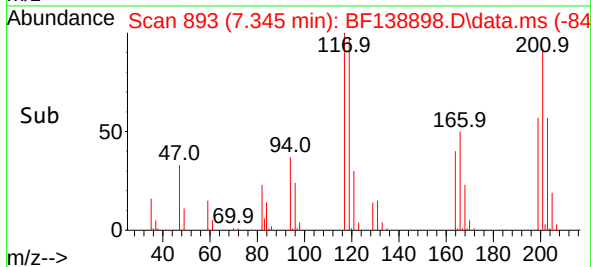
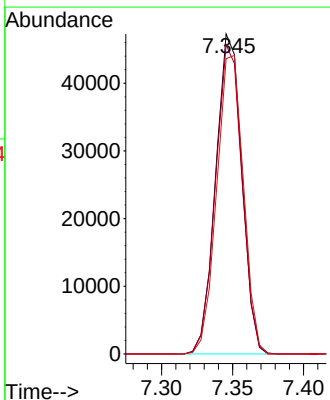
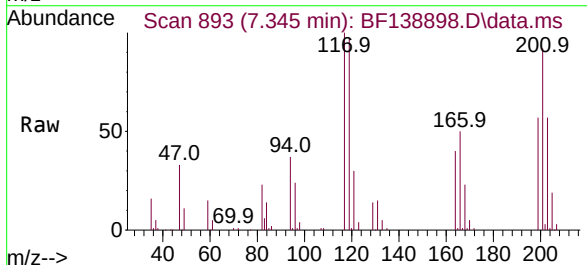
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

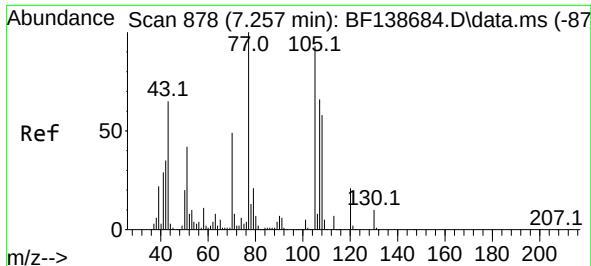
Tgt Ion:107 Resp: 117178  
Ion Ratio Lower Upper  
107 100  
108 111.9 89.2 133.8  
77 80.1 43.0 64.4#  
79 73.3 42.2 63.2#



#18  
Hexachloroethane  
Concen: 49.701 ng  
RT: 7.345 min Scan# 893  
Delta R.T. -0.012 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:117 Resp: 60329  
Ion Ratio Lower Upper  
117 100  
119 96.6 74.6 111.8  
201 92.3 77.2 115.8



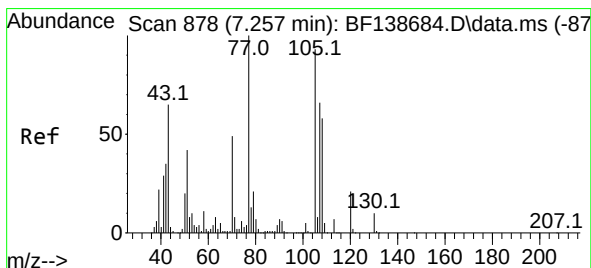
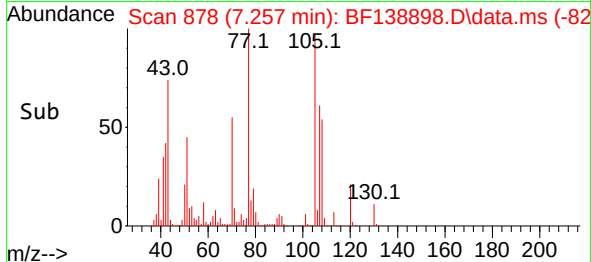
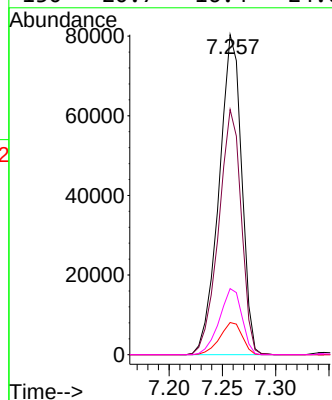
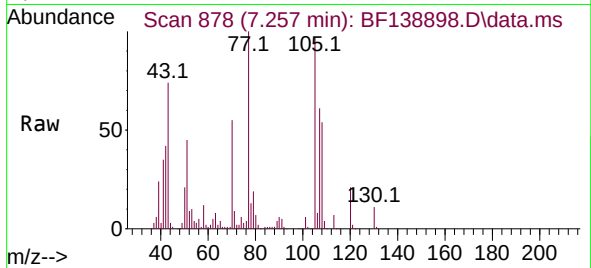


#19  
n-Nitroso-di-n-propylamine  
Concen: 53.867 ng  
RT: 7.257 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

Tgt Ion: 70 Resp: 118514

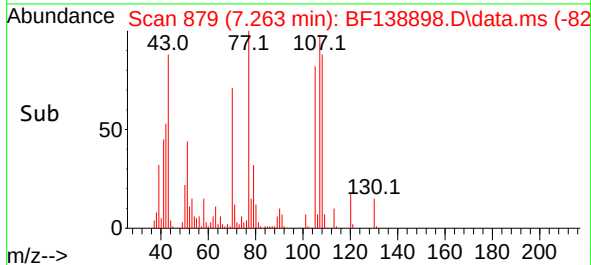
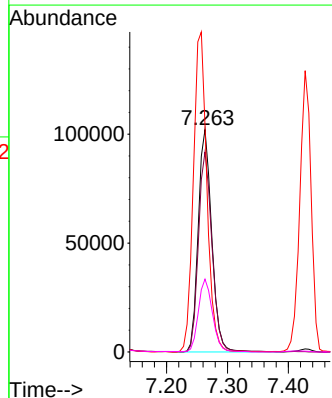
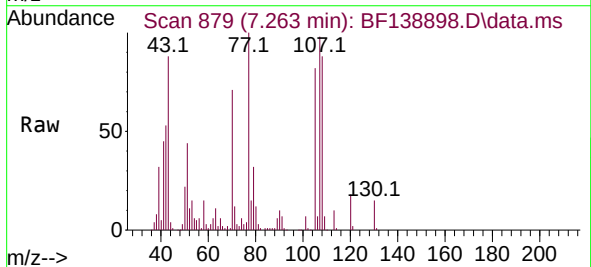
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 76.6  | 57.4  | 86.0  |
| 101 | 10.1  | 7.5   | 11.3  |
| 130 | 20.7  | 16.4  | 24.6  |

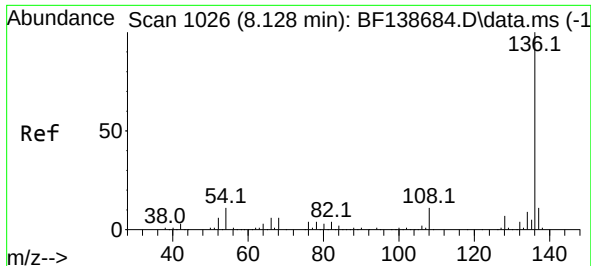


#20  
3+4-Methylphenols  
Concen: 52.056 ng  
RT: 7.263 min Scan# 879  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion: 107 Resp: 157435

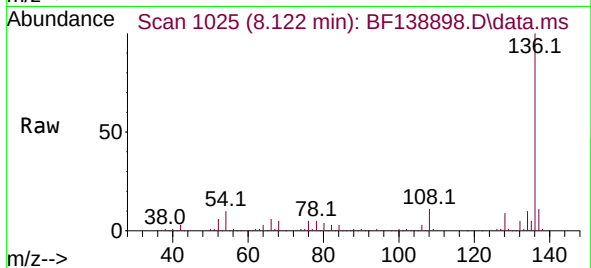
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 89.9  | 68.2  | 108.2  |
| 77  | 102.0 | 132.1 | 172.1# |
| 79  | 32.7  | 11.5  | 51.5   |



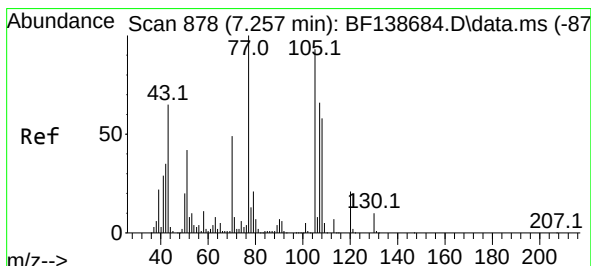
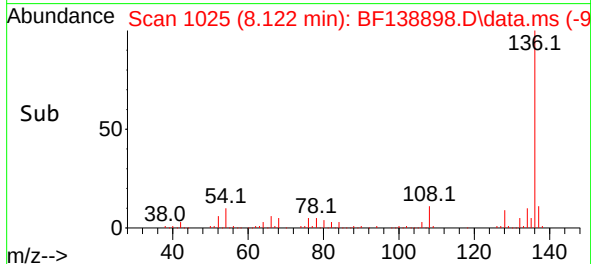
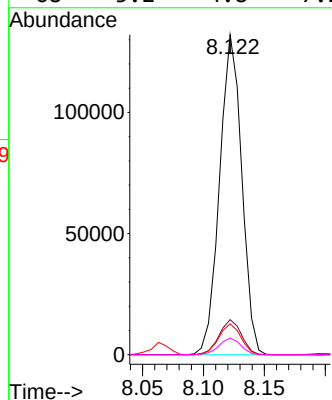


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

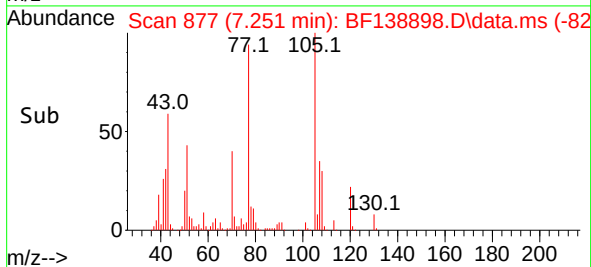
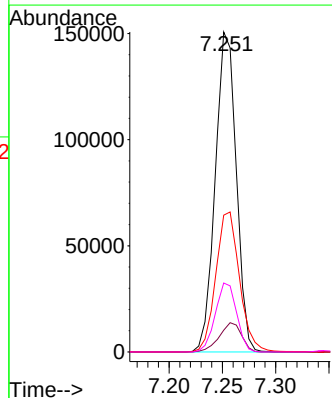
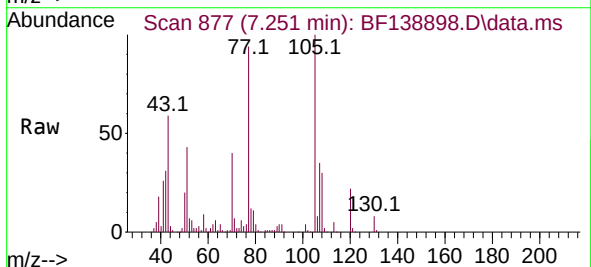


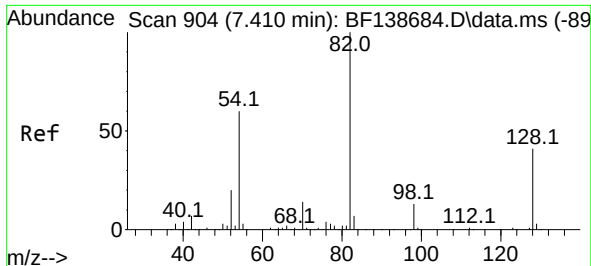
Tgt Ion:136 Resp: 167151  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 9.7 8.6 12.8  
68 5.2 4.8 7.2



#22  
Acetophenone  
Concen: 50.432 ng  
RT: 7.251 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:105 Resp: 206402  
Ion Ratio Lower Upper  
105 100  
71 6.8 7.2 10.8#  
51 42.8 35.9 53.9  
120 21.6 17.6 26.4





#23

Nitrobenzene-d5

Concen: 75.355 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

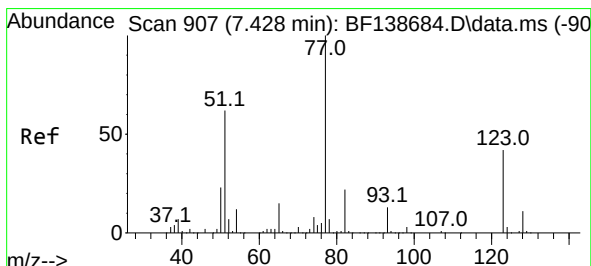
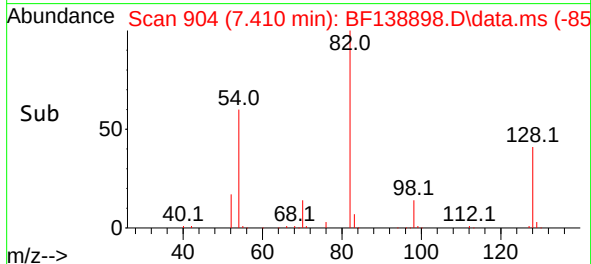
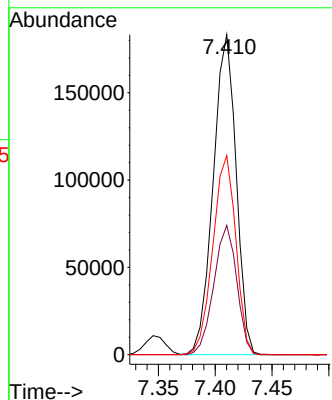
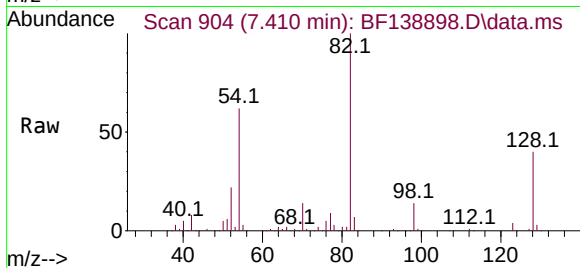
Tgt Ion: 82 Resp: 257626

Ion Ratio Lower Upper

82 100

128 40.4 32.8 49.2

54 62.2 48.3 72.5



#24

Nitrobenzene

Concen: 48.054 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

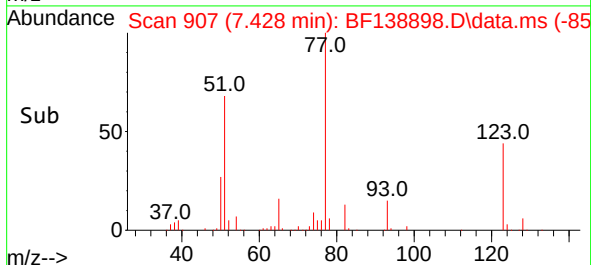
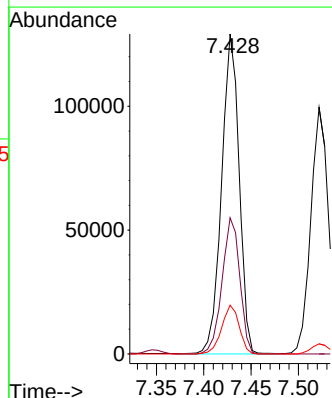
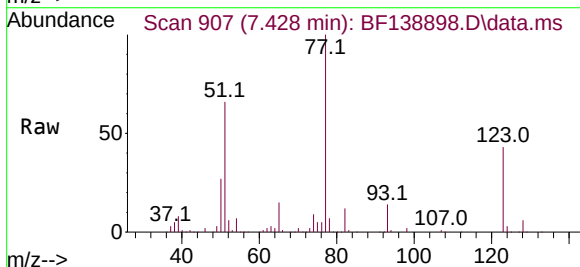
Tgt Ion: 77 Resp: 167174

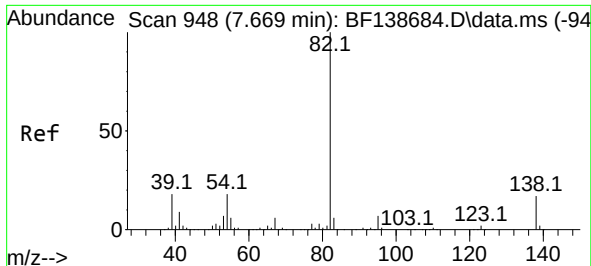
Ion Ratio Lower Upper

77 100

123 42.6 33.3 49.9

65 15.3 11.9 17.9

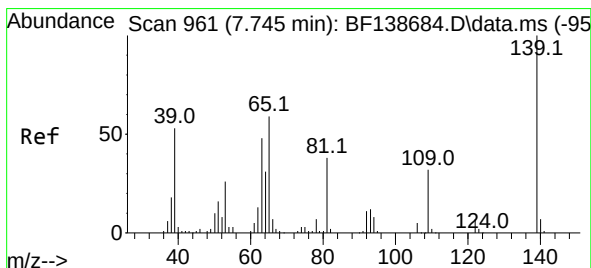
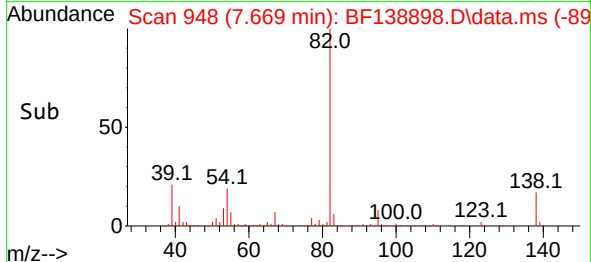
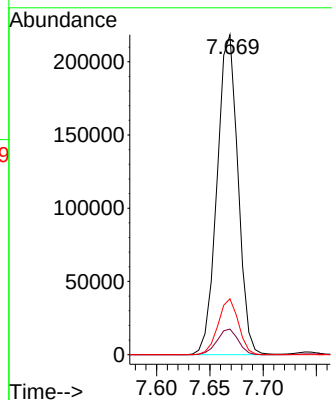
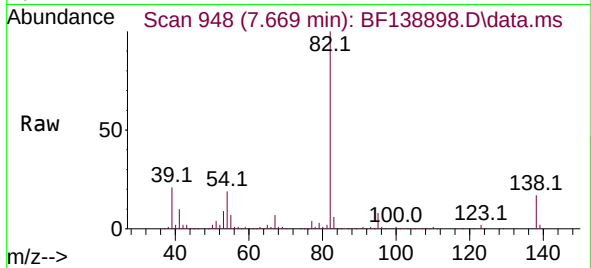




#25  
Isophorone  
Concen: 50.946 ng  
RT: 7.669 min Scan# 948  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

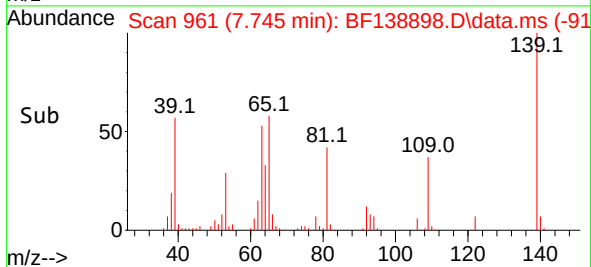
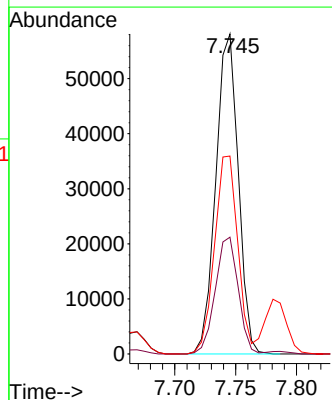
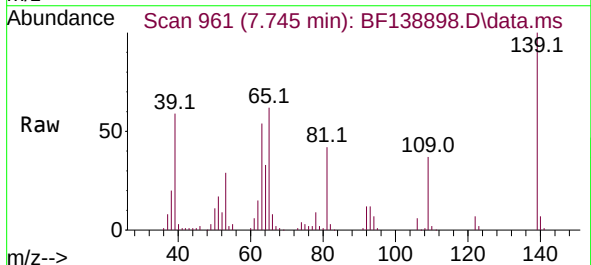
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

Tgt Ion: 82 Resp: 297415  
Ion Ratio Lower Upper  
82 100  
95 8.0 5.7 8.5  
138 17.5 13.7 20.5

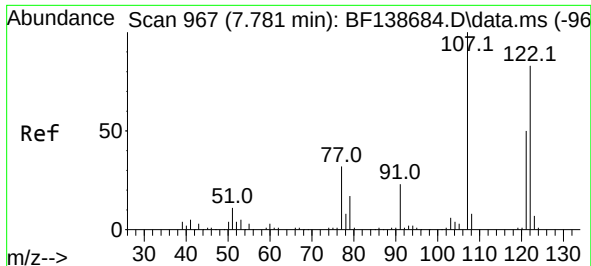


#26  
2-Nitrophenol  
Concen: 49.936 ng  
RT: 7.745 min Scan# 961  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:139 Resp: 74741  
Ion Ratio Lower Upper  
139 100  
109 36.5 25.9 38.9  
65 61.9 47.0 70.6







#27

2,4-Dimethylphenol

Concen: 55.579 ng

RT: 7.781 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

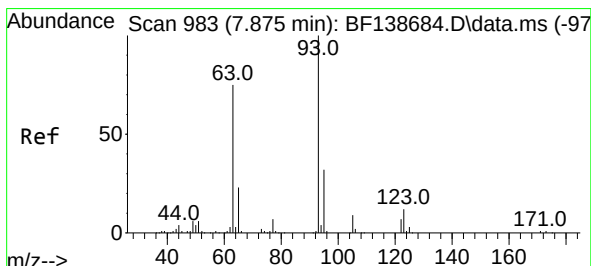
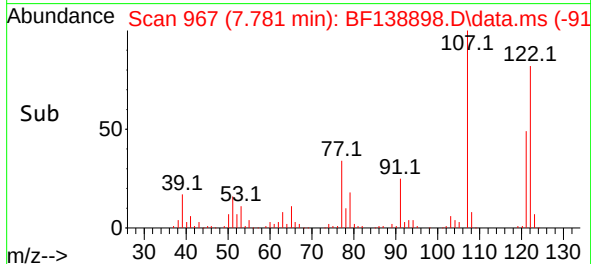
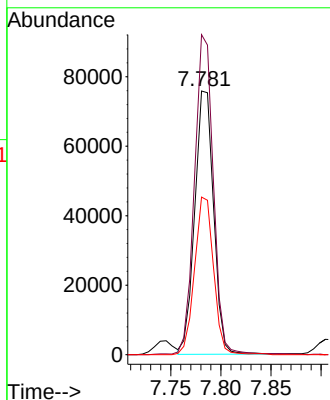
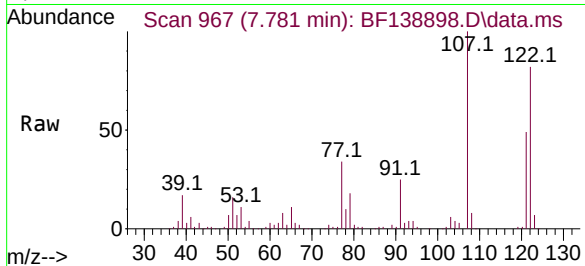
Tgt Ion:122 Resp: 99531

Ion Ratio Lower Upper

122 100

107 121.3 95.0 142.6

121 59.8 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 50.435 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

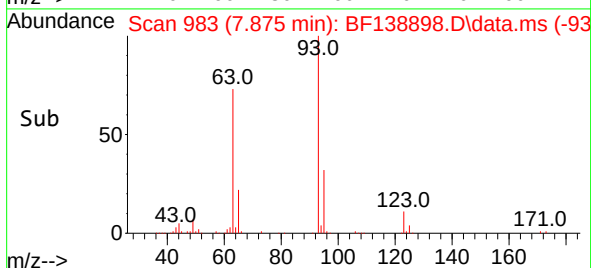
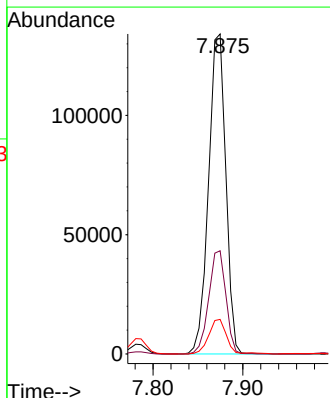
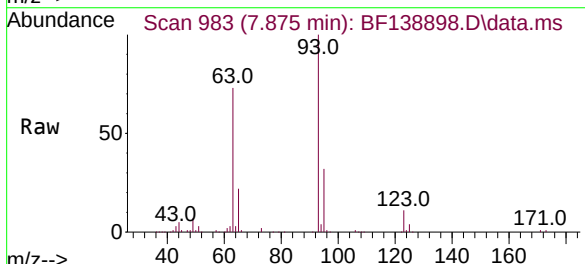
Tgt Ion: 93 Resp: 179299

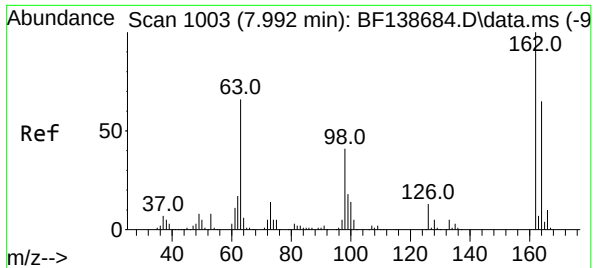
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

123 10.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 51.369 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138898.D

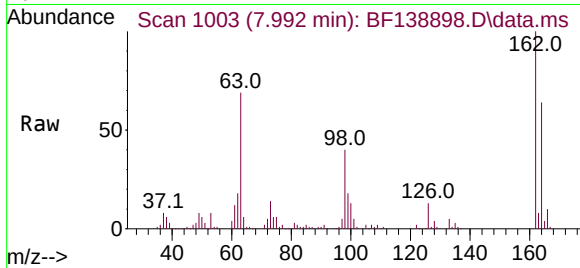
Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD



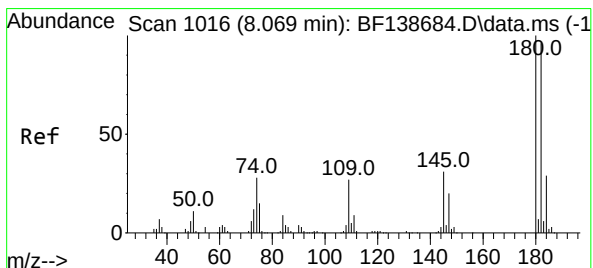
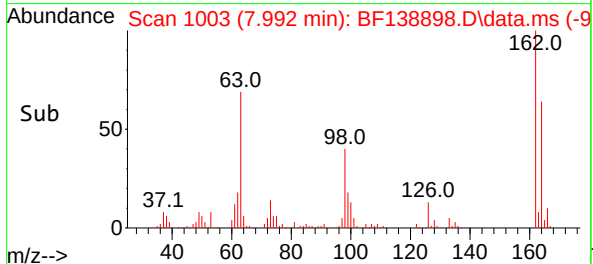
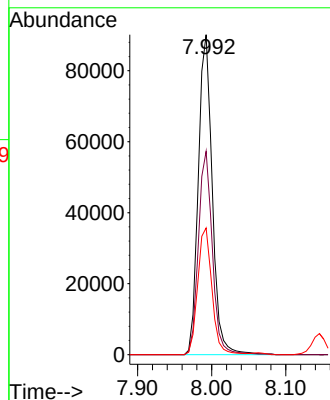
Tgt Ion:162 Resp: 118209

Ion Ratio Lower Upper

162 100

164 63.6 44.7 84.7

98 39.6 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 49.318 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

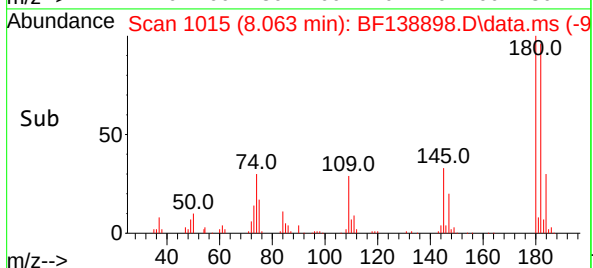
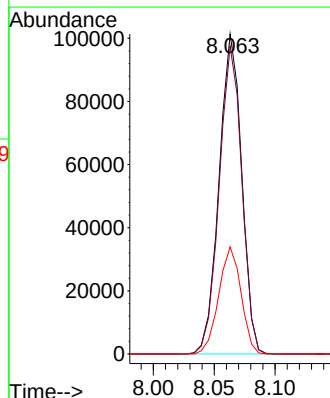
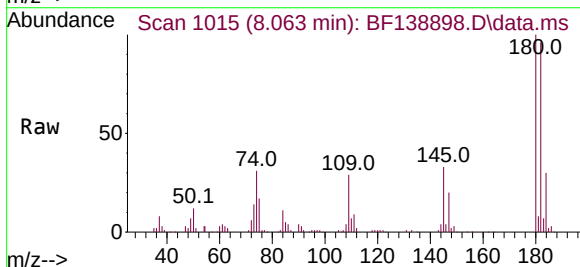
Tgt Ion:180 Resp: 130969

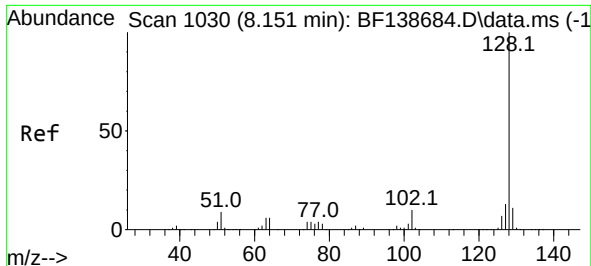
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 33.4 25.0 37.4

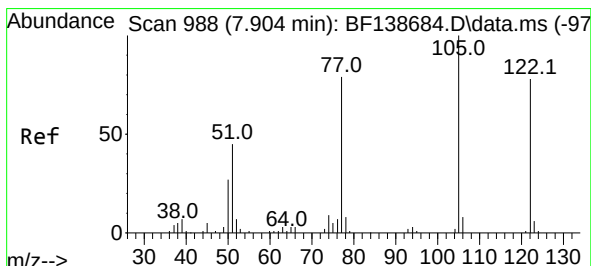
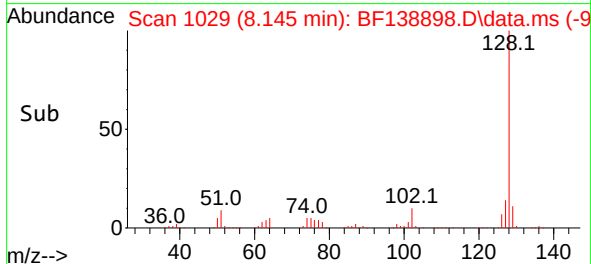
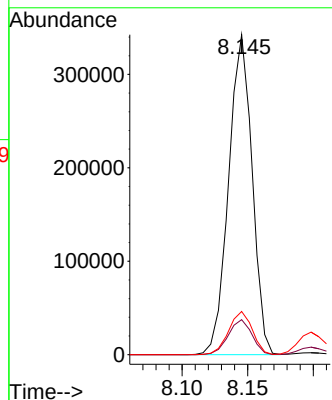
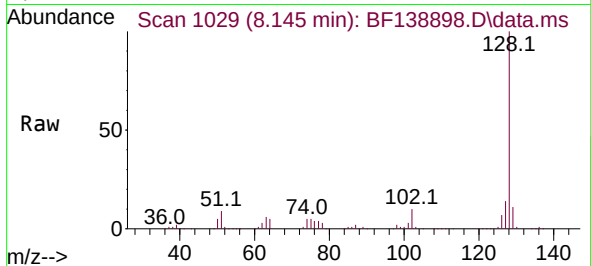




#31  
Naphthalene  
Concen: 48.576 ng  
RT: 8.145 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

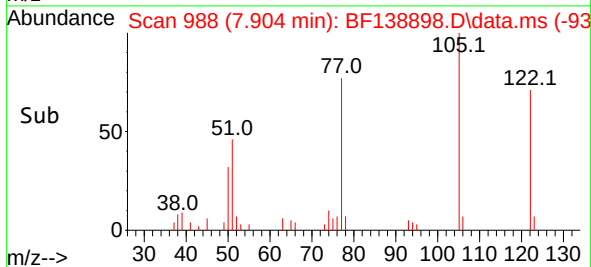
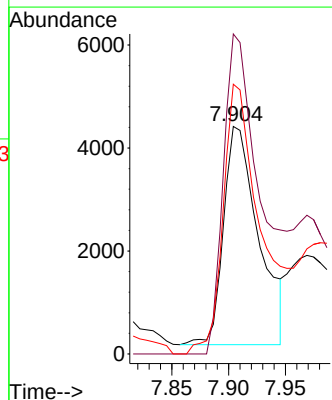
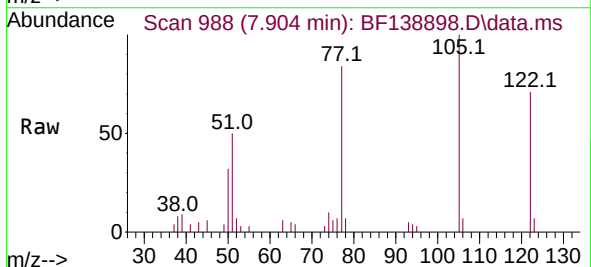
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

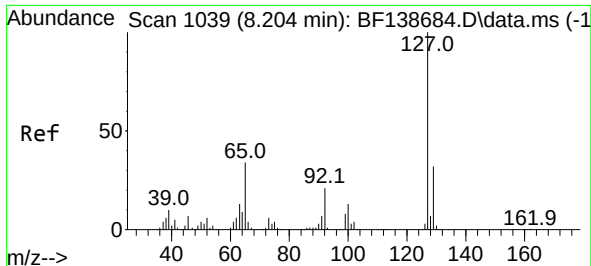
Tgt Ion:128 Resp: 427386  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.7 13.1  
127 13.5 10.6 16.0



#32  
Benzoic acid  
Concen: 6.446 ng  
RT: 7.904 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:122 Resp: 9074  
Ion Ratio Lower Upper  
122 100  
105 140.6 106.7 146.7  
77 118.5 81.1 121.1

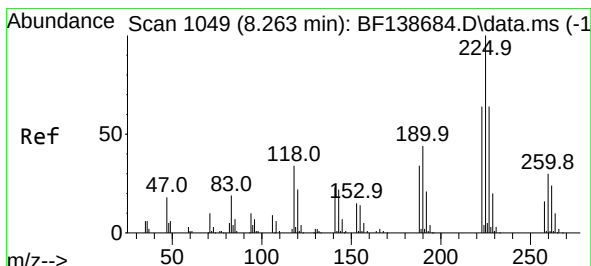
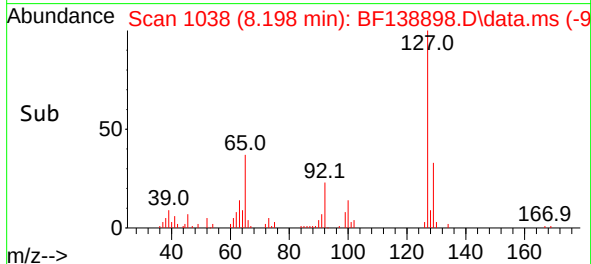
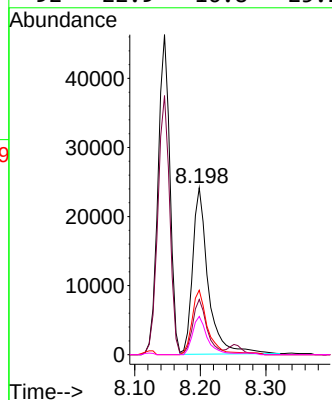
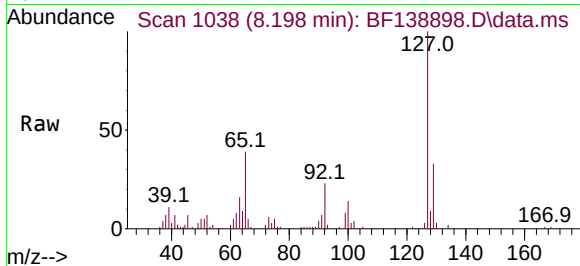




#33  
4-Chloroaniline  
Concen: 13.451 ng  
RT: 8.198 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

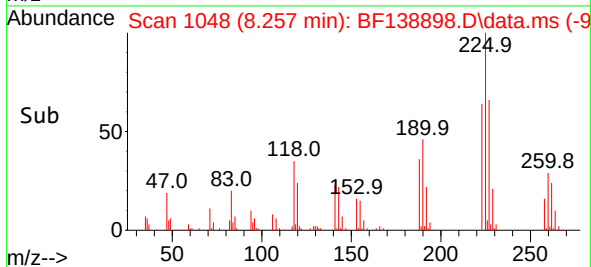
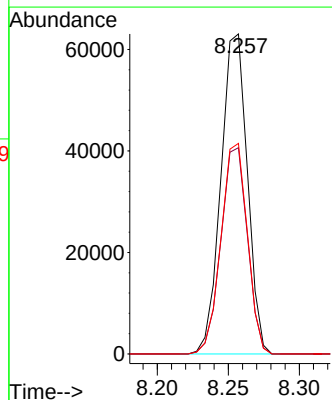
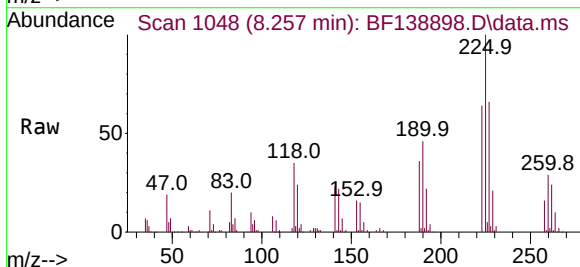
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

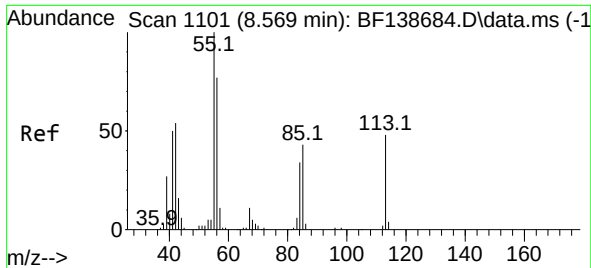
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 39725 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 33.1  | 25.9  | 38.9  |
| 65        | 38.6  | 27.6  | 41.4  |
| 92        | 22.9  | 16.8  | 25.2  |



#34  
Hexachlorobutadiene  
Concen: 50.769 ng  
RT: 8.257 min Scan# 1048  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 81661 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.4  | 51.2  | 76.8  |
| 227       | 65.8  | 51.1  | 76.7  |

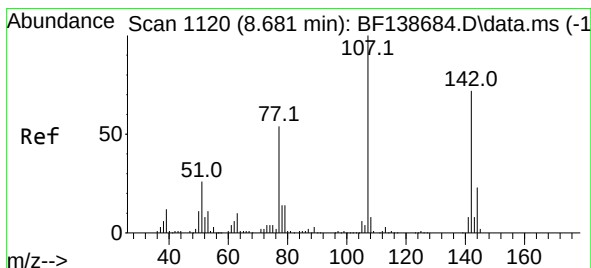
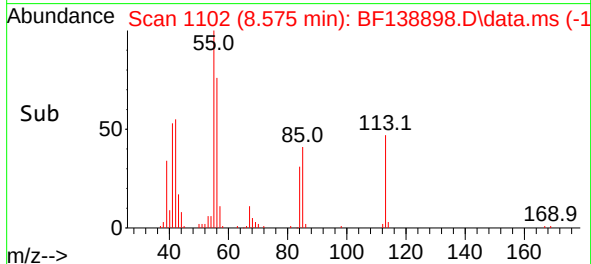
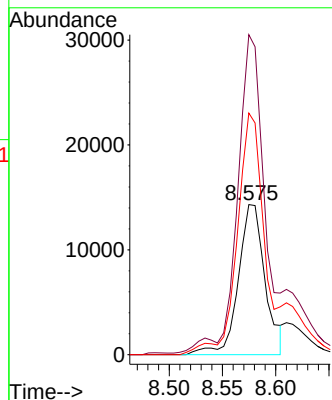
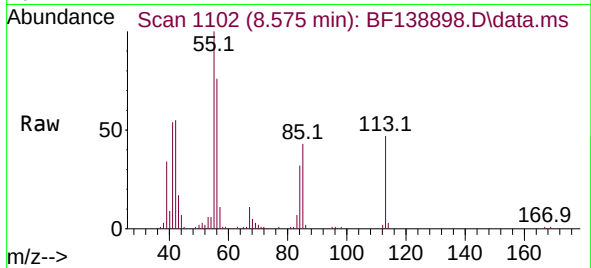




#35  
Caprolactam  
Concen: 36.491 ng  
RT: 8.575 min Scan# 1101  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

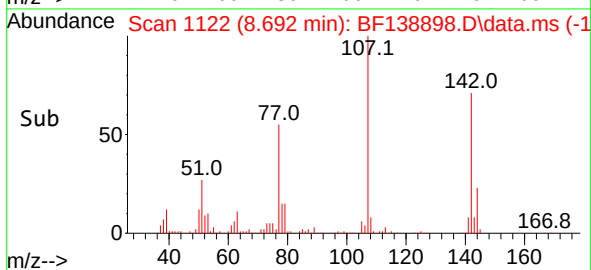
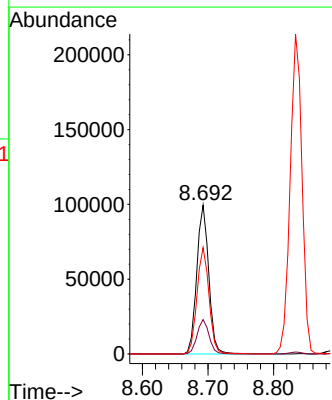
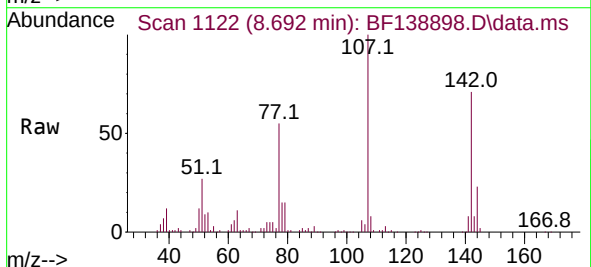
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

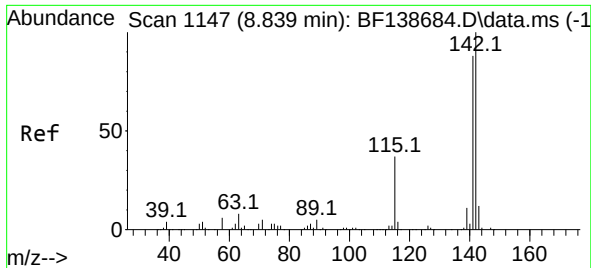
Tgt Ion:113 Resp: 25056  
Ion Ratio Lower Upper  
113 100  
55 213.2 186.7 226.7  
56 161.0 138.9 178.9



#36  
4-Chloro-3-methylphenol  
Concen: 48.318 ng  
RT: 8.692 min Scan# 1122  
Delta R.T. 0.012 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:107 Resp: 127070  
Ion Ratio Lower Upper  
107 100  
144 23.2 18.2 27.2  
142 71.4 57.4 86.2





#37

2-Methylnaphthalene

Concen: 48.453 ng

RT: 8.834 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

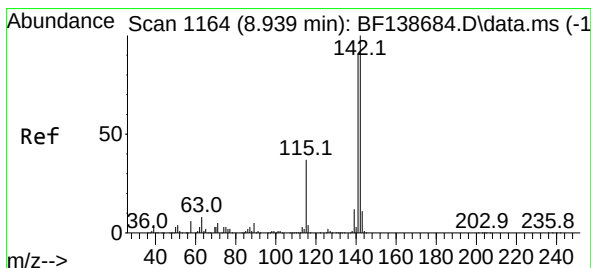
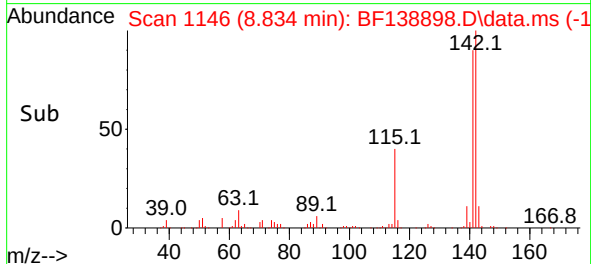
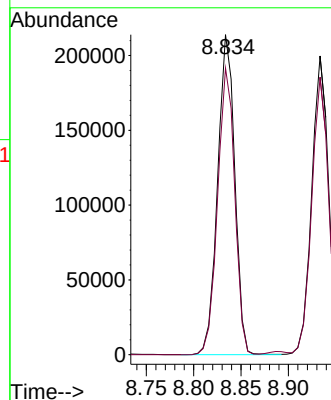
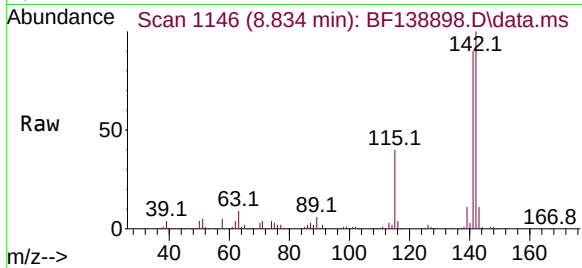
OR-02-080724MSD

Tgt Ion:142 Resp: 269231

Ion Ratio Lower Upper

142 100

141 89.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 45.068 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138898.D

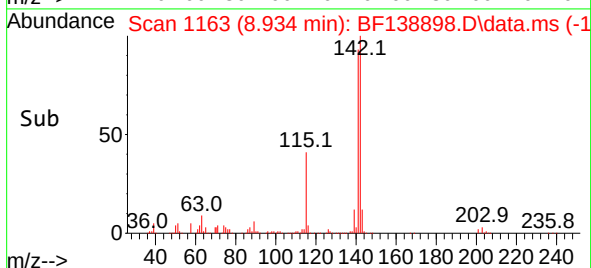
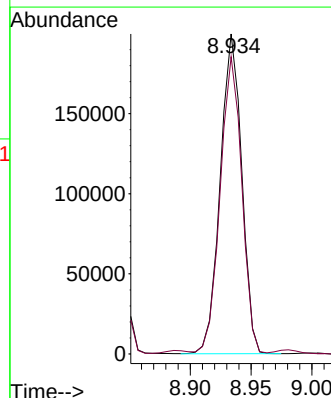
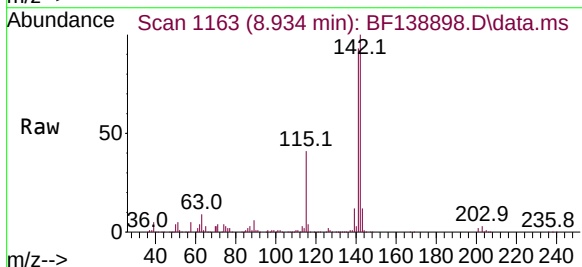
Acq: 09 Aug 2024 20:06

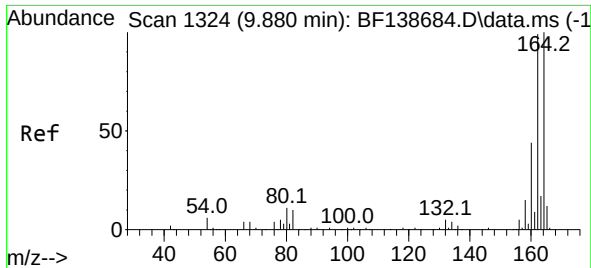
Tgt Ion:142 Resp: 245392

Ion Ratio Lower Upper

142 100

141 92.9 73.1 109.7

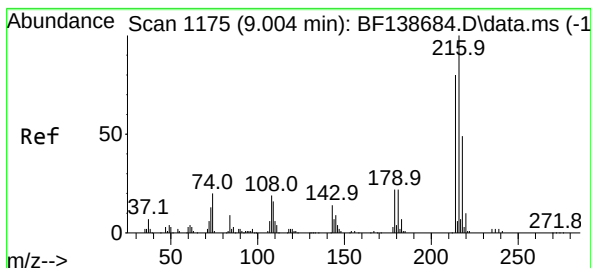
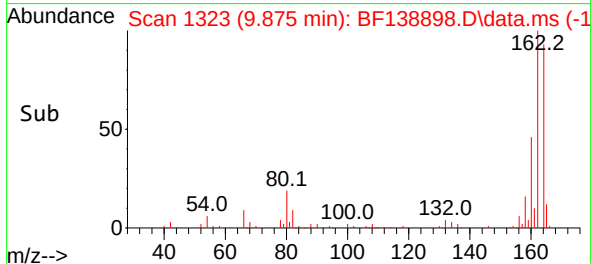
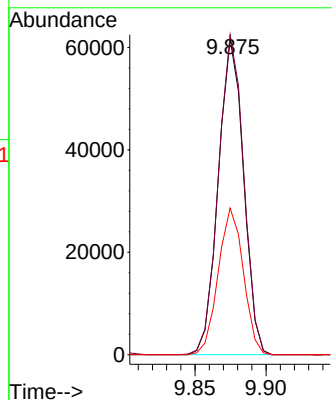
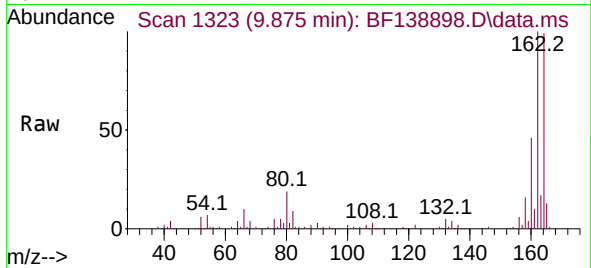




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

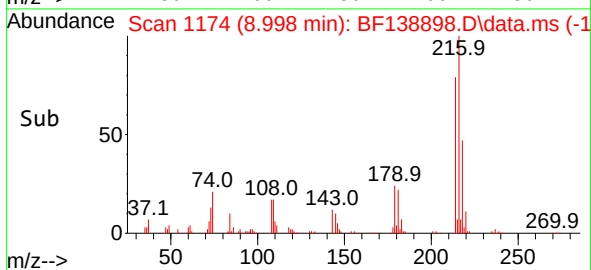
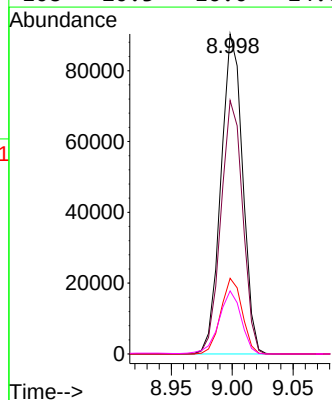
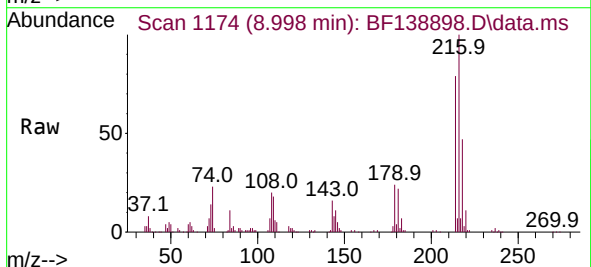
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

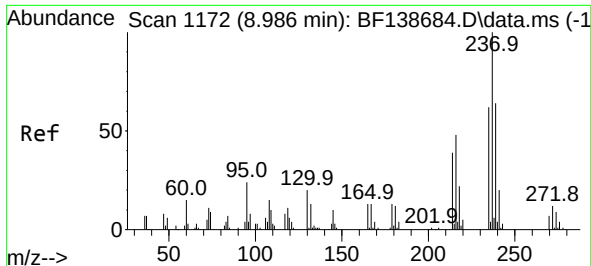
Tgt Ion:164 Resp: 76034  
Ion Ratio Lower Upper  
164 100  
162 101.4 79.4 119.0  
160 46.4 35.1 52.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 53.080 ng  
RT: 8.998 min Scan# 1174  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:216 Resp: 112112  
Ion Ratio Lower Upper  
216 100  
214 79.3 63.9 95.9  
179 23.2 17.8 26.6  
108 20.3 16.0 24.0

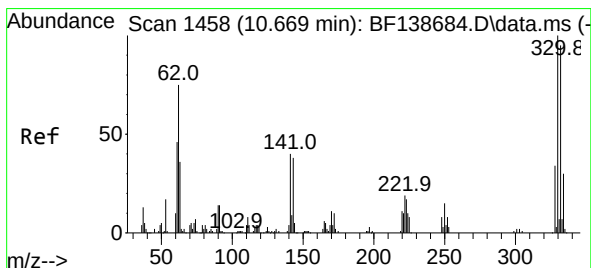
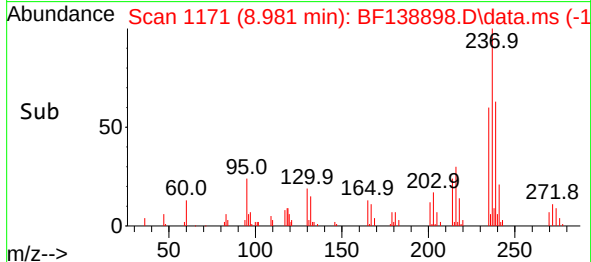
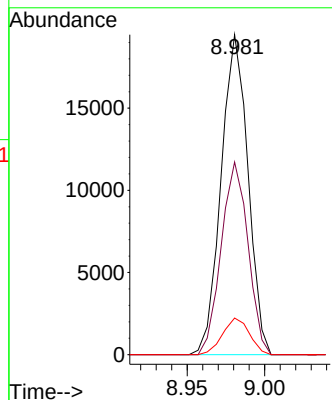
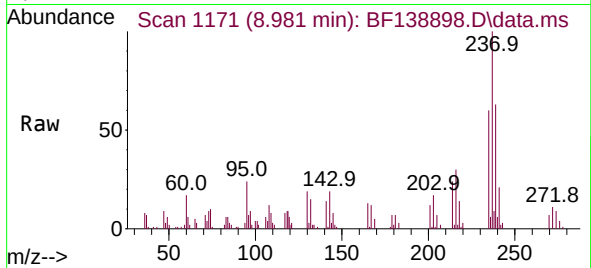




#41  
Hexachlorocyclopentadiene  
Concen: 45.227 ng  
RT: 8.981 min Scan# 1171  
Delta R.T. -0.005 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

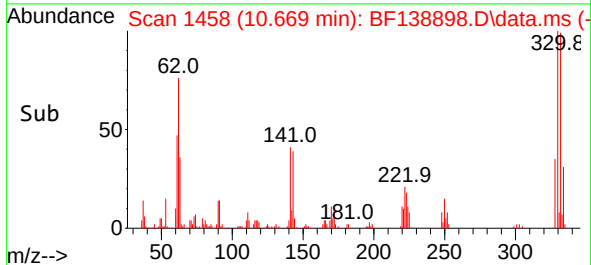
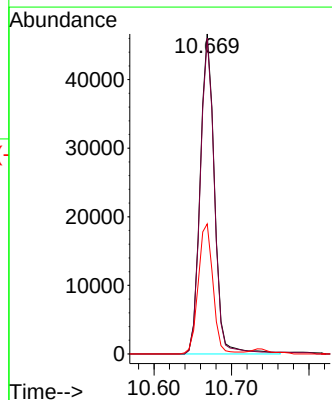
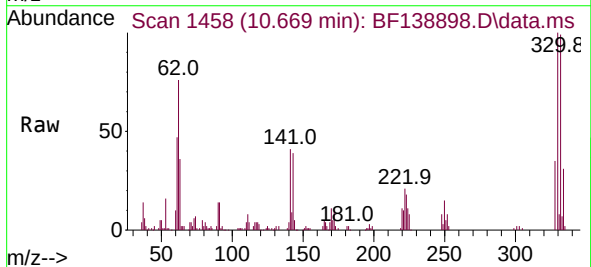
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

Tgt Ion:237 Resp: 23430  
Ion Ratio Lower Upper  
237 100  
235 60.2 41.8 81.8  
272 11.5 0.0 32.2

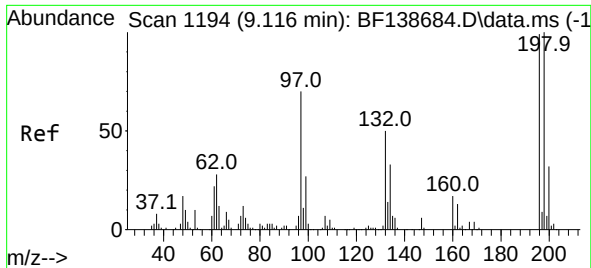


#42  
2,4,6-Tribromophenol  
Concen: 96.084 ng  
RT: 10.669 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:330 Resp: 59843  
Ion Ratio Lower Upper  
330 100  
332 98.6 76.4 114.6  
141 41.8 31.1 46.7



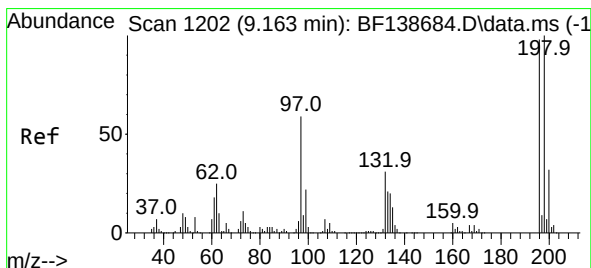
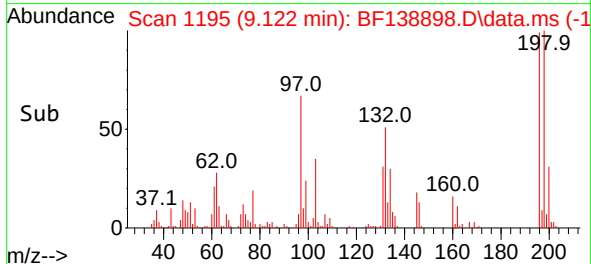
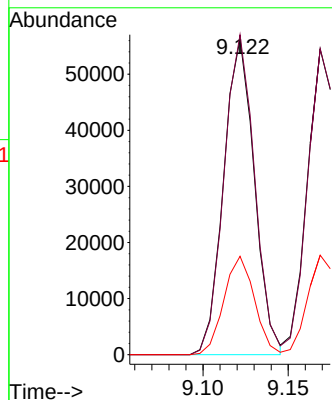
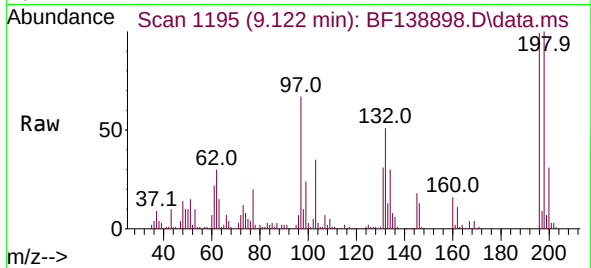




#43  
2,4,6-Trichlorophenol  
Concen: 54.867 ng  
RT: 9.122 min Scan# 1194  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

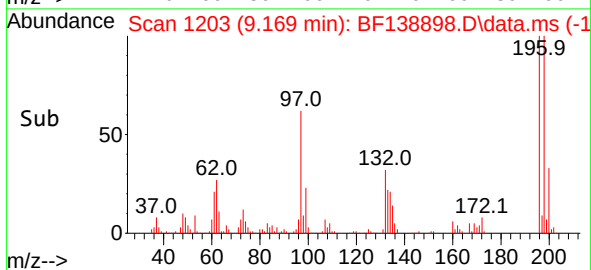
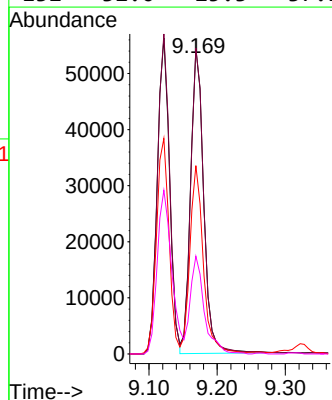
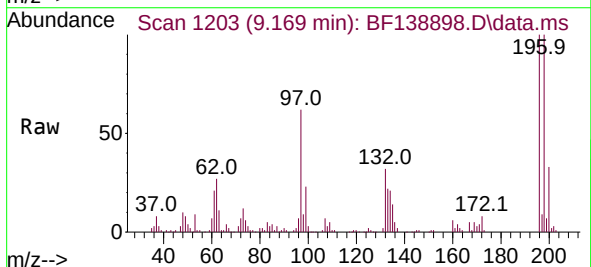
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

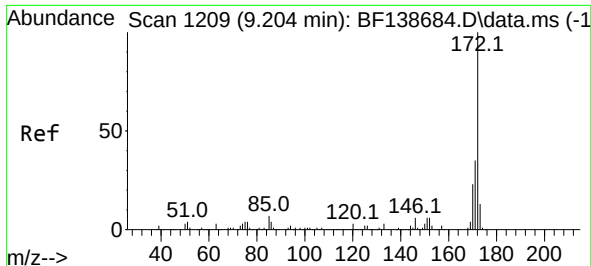
Tgt Ion:196 Resp: 70657  
Ion Ratio Lower Upper  
196 100  
198 101.3 80.5 120.7  
200 31.1 25.9 38.9



#44  
2,4,5-Trichlorophenol  
Concen: 51.295 ng  
RT: 9.169 min Scan# 1203  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:196 Resp: 72214  
Ion Ratio Lower Upper  
196 100  
198 100.1 81.2 121.8  
97 61.6 47.8 71.6  
132 32.0 25.3 37.9

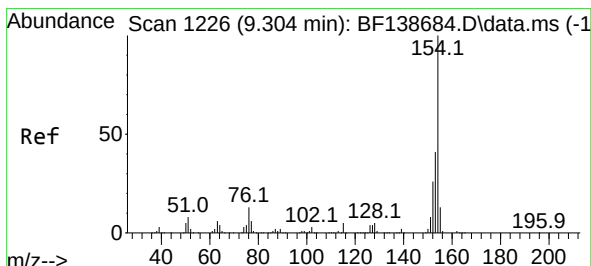
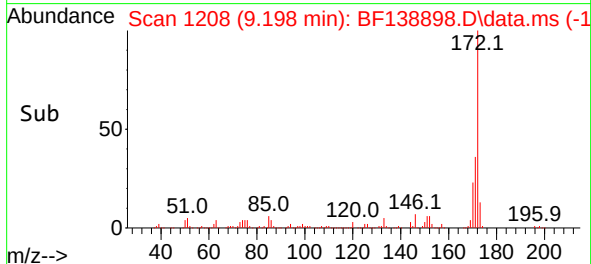
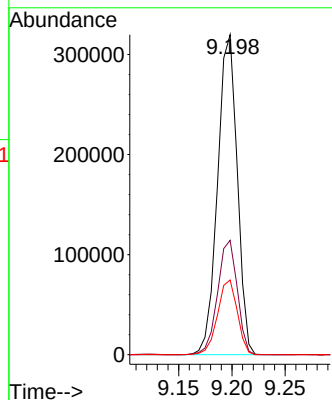
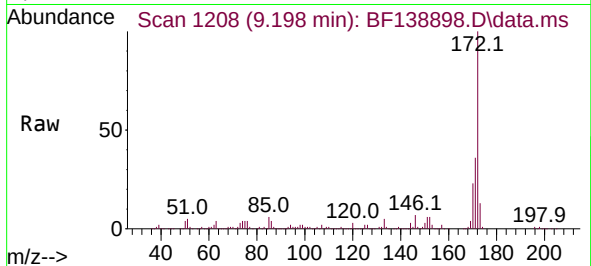




#45  
2-Fluorobiphenyl  
Concen: 80.819 ng  
RT: 9.198 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

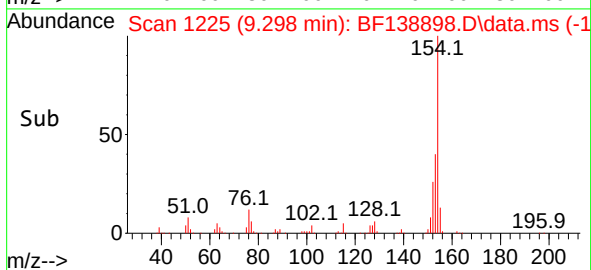
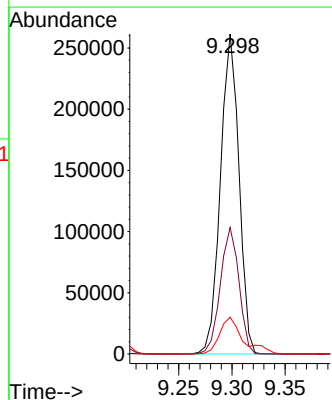
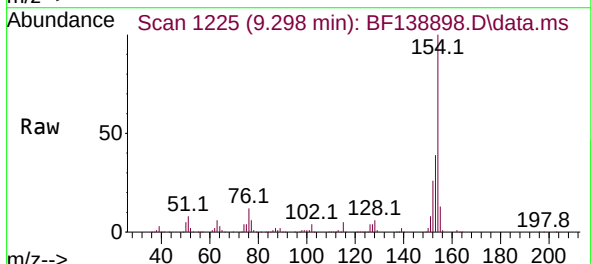
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

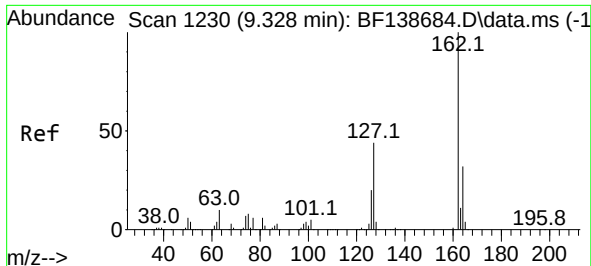
Tgt Ion:172 Resp: 408983  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.3 42.5  
170 23.4 18.8 28.2



#46  
1,1'-Biphenyl  
Concen: 52.925 ng  
RT: 9.298 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:154 Resp: 315162  
Ion Ratio Lower Upper  
154 100  
153 39.5 20.8 60.8  
76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 53.481 ng

RT: 9.328 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF138898.D

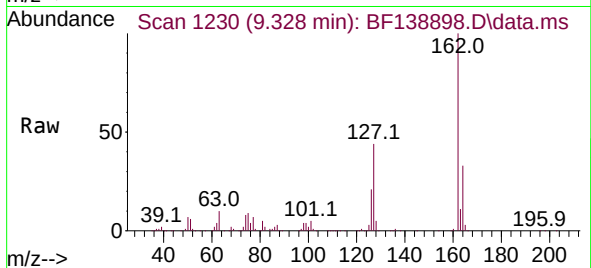
Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD



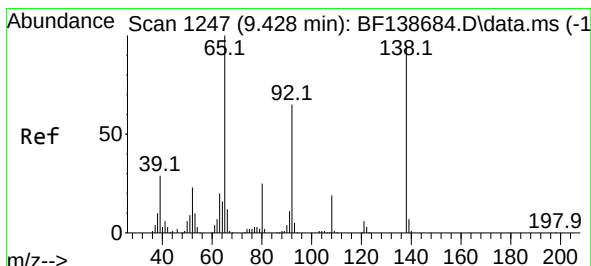
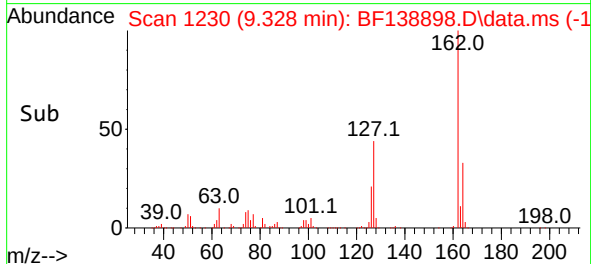
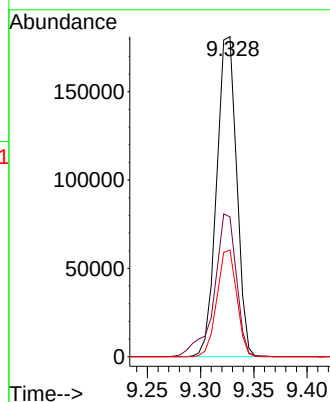
Tgt Ion:162 Resp: 236859

Ion Ratio Lower Upper

162 100

127 43.7 35.4 53.2

164 33.3 25.6 38.4



#48

2-Nitroaniline

Concen: 57.039 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

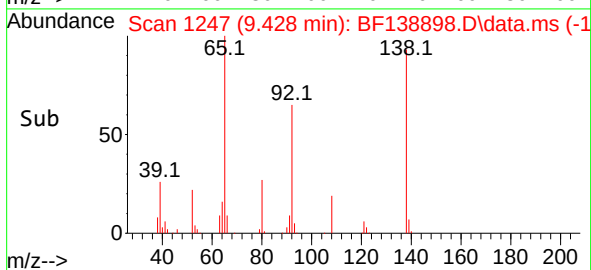
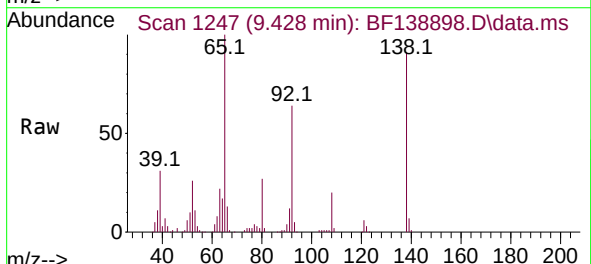
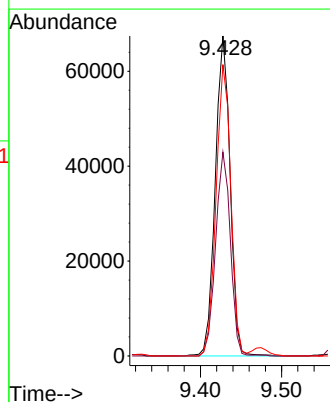
Tgt Ion: 65 Resp: 85640

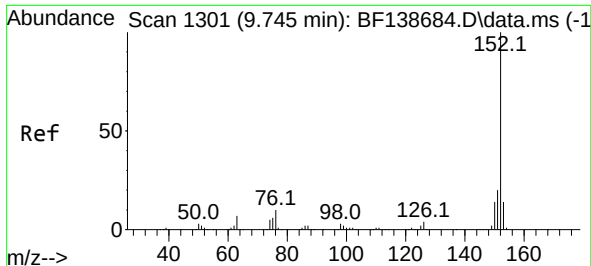
Ion Ratio Lower Upper

65 100

92 63.7 52.0 78.0

138 91.0 76.2 114.4





#49

Acenaphthylene

Concen: 56.228 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138898.D

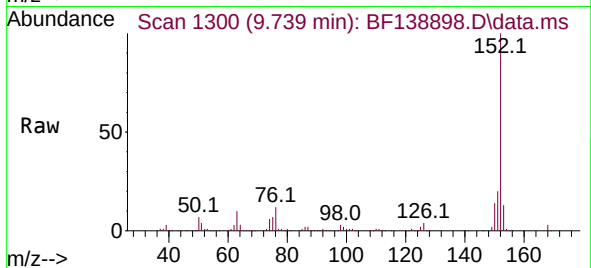
Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD



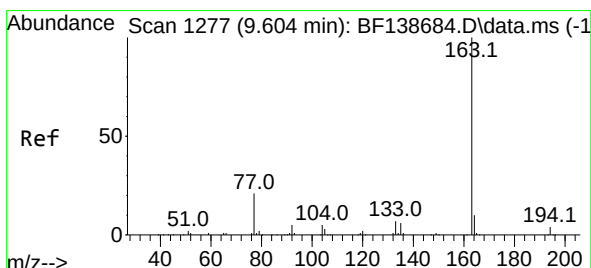
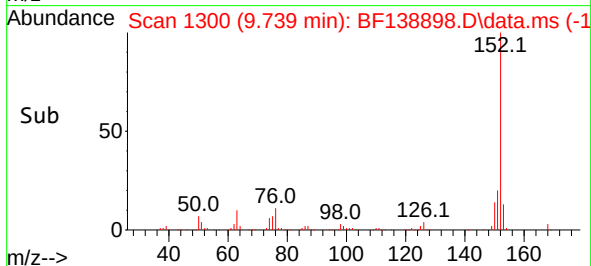
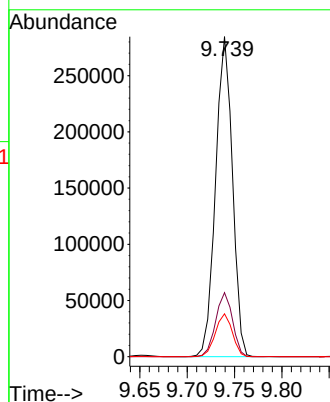
Tgt Ion:152 Resp: 353188

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.4 11.0 16.4



#50

Dimethylphthalate

Concen: 59.361 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

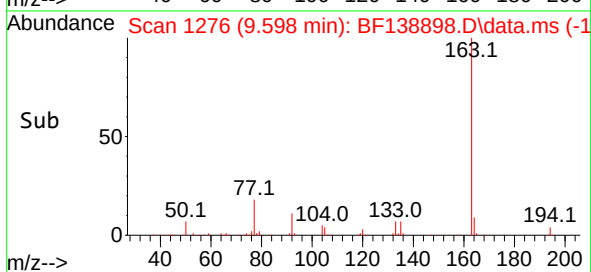
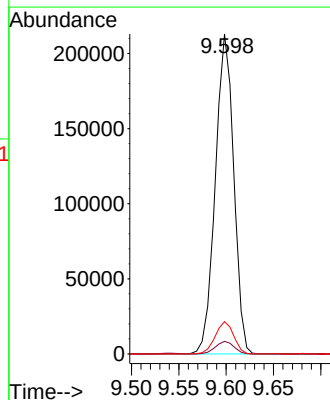
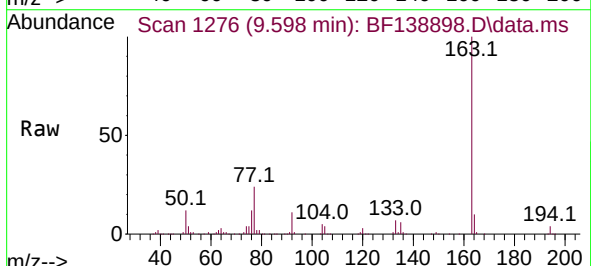
Tgt Ion:163 Resp: 288597

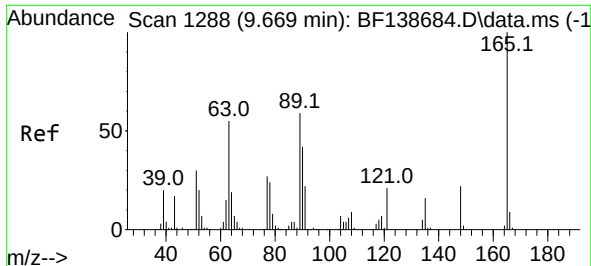
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 7.8 11.8

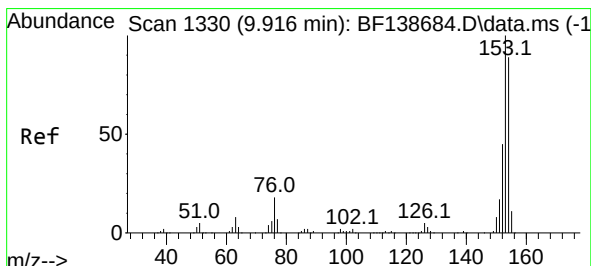
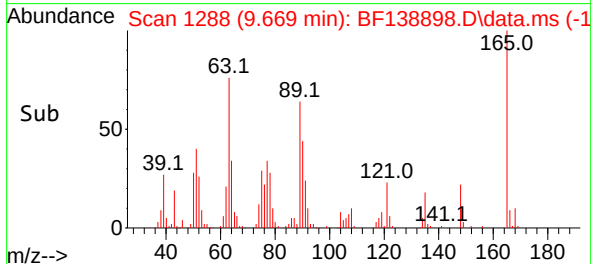
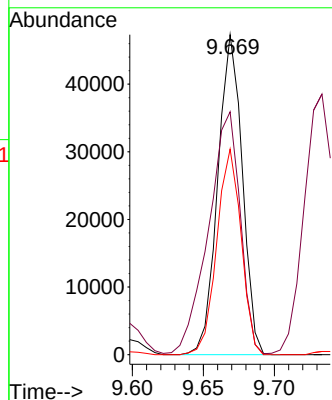
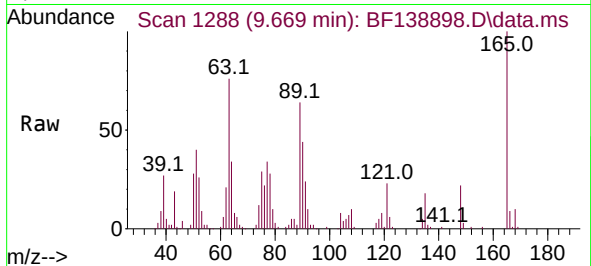




#51  
2,6-Dinitrotoluene  
Concen: 51.689 ng  
RT: 9.669 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

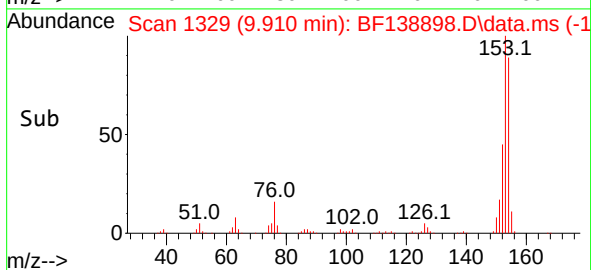
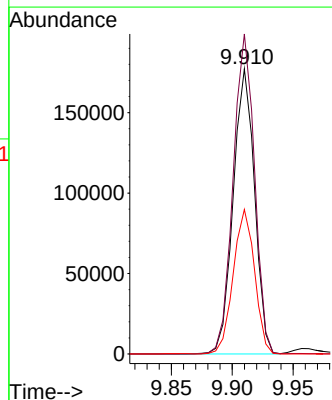
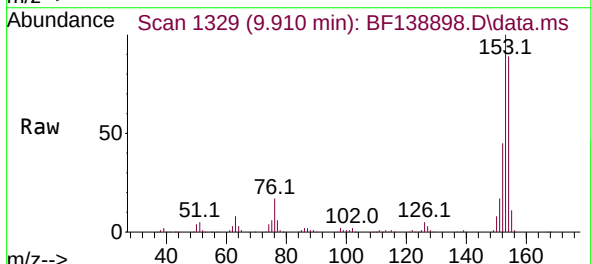
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

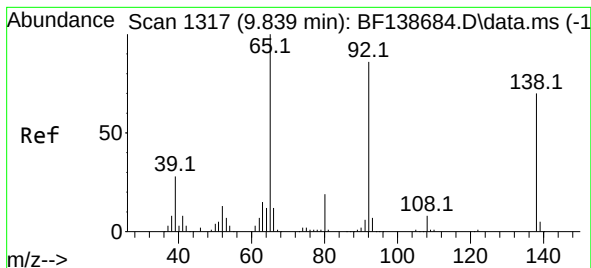
Tgt Ion:165 Resp: 56713  
Ion Ratio Lower Upper  
165 100  
63 75.9 52.0 78.0  
89 64.3 47.0 70.6



#52  
Acenaphthene  
Concen: 51.215 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:154 Resp: 216255  
Ion Ratio Lower Upper  
154 100  
153 112.2 89.9 134.9  
152 50.7 40.6 60.8





#53

3-Nitroaniline

Concen: 30.030 ng

RT: 9.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

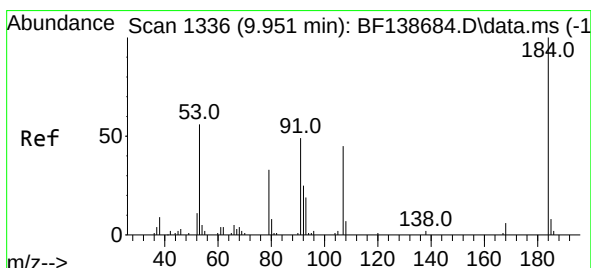
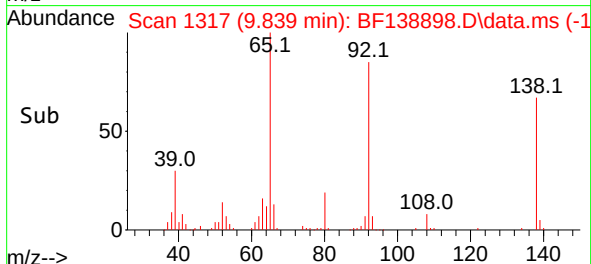
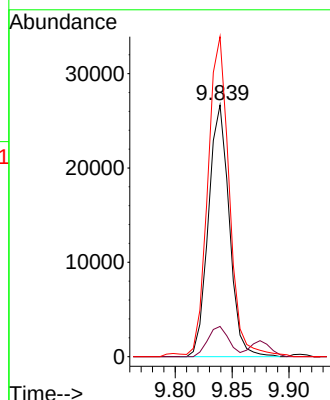
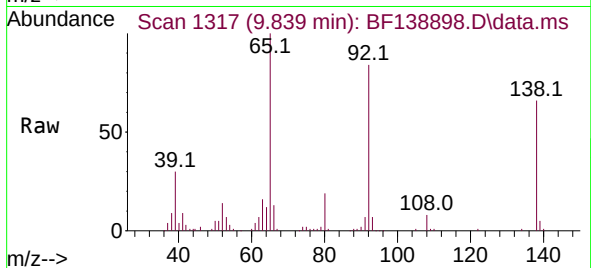
Tgt Ion:138 Resp: 34062

Ion Ratio Lower Upper

138 100

108 12.0 9.1 13.7

92 127.1 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 13.964 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

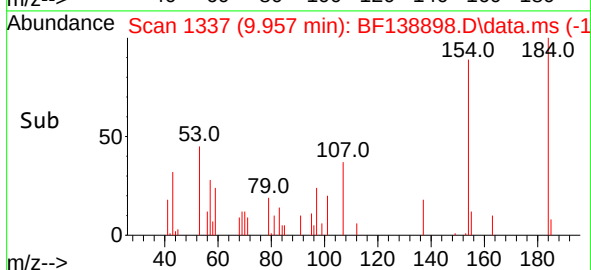
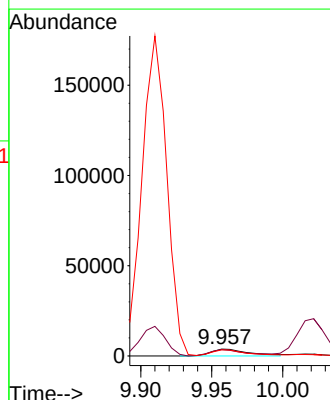
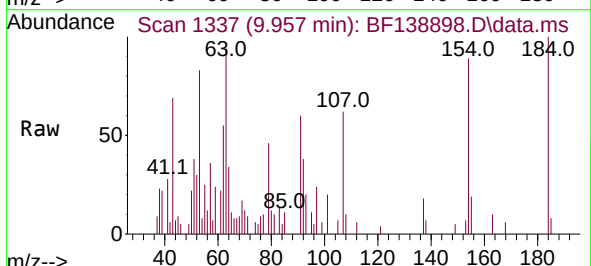
Tgt Ion:184 Resp: 7053

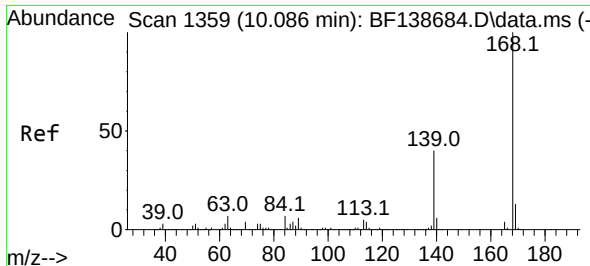
Ion Ratio Lower Upper

184 100

63 94.3 57.5 86.3#

154 89.4 51.7 77.5#

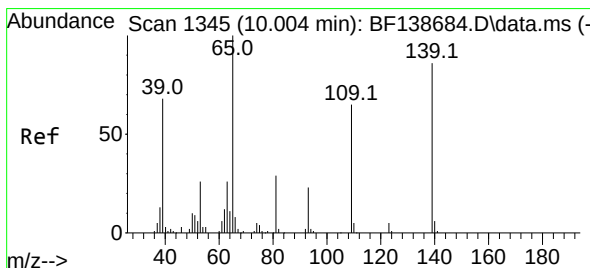
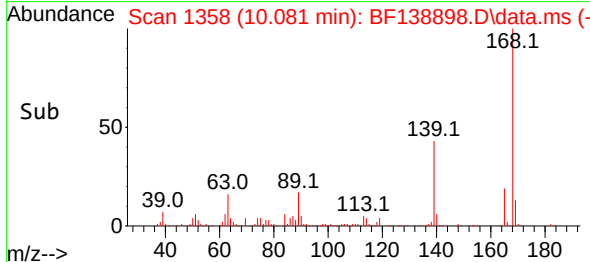
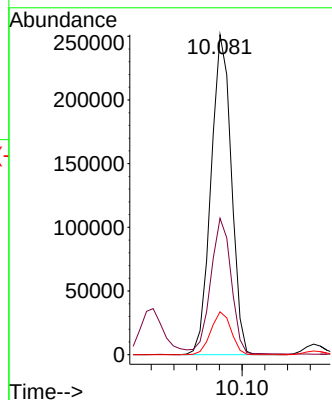
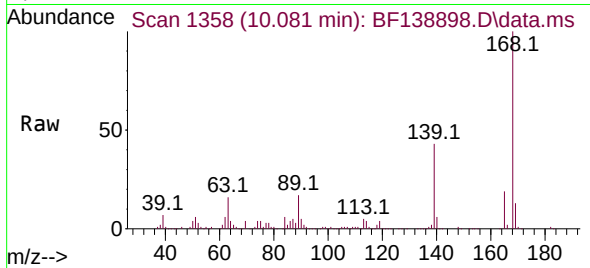




#55  
Dibenzenofuran  
Concen: 52.398 ng  
RT: 10.081 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

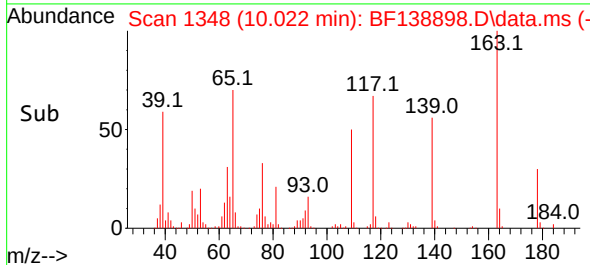
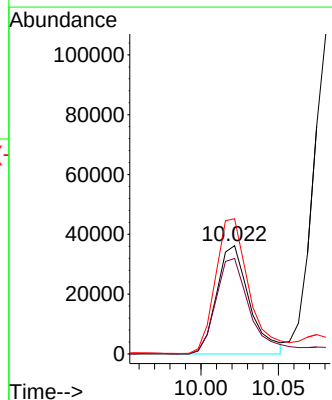
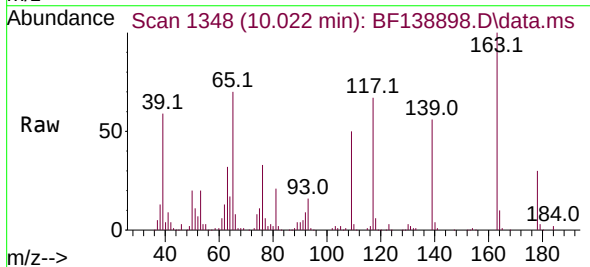
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

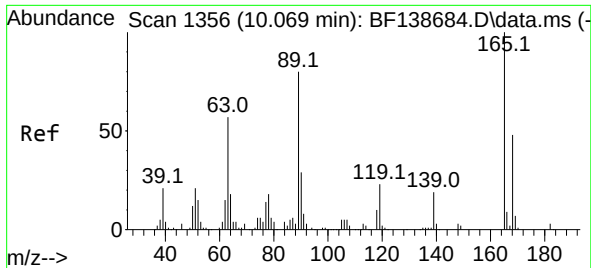
Tgt Ion:168 Resp: 312316  
Ion Ratio Lower Upper  
168 100  
139 42.6 32.6 49.0  
169 13.4 10.7 16.1



#56  
4-Nitrophenol  
Concen: 78.209 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.018 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:139 Resp: 53345  
Ion Ratio Lower Upper  
139 100  
109 88.2 55.5 95.5  
65 124.9 96.7 136.7

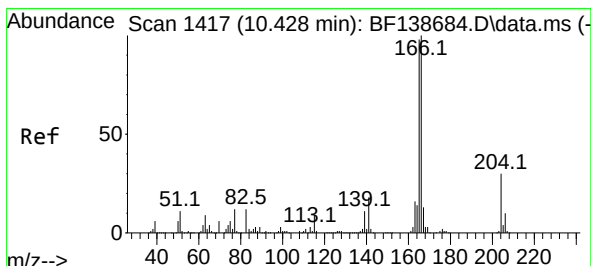
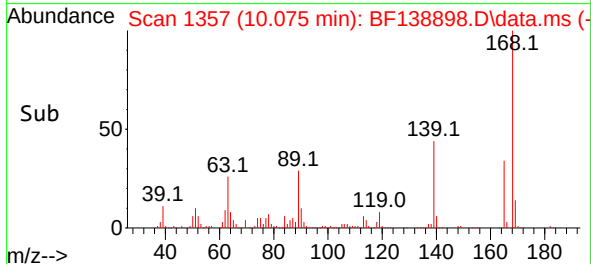
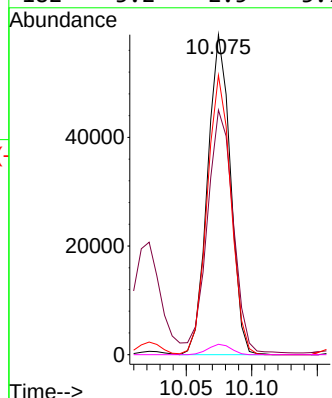
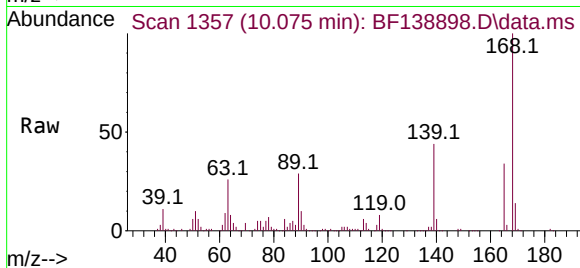




#57  
2,4-Dinitrotoluene  
Concen: 51.116 ng  
RT: 10.075 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

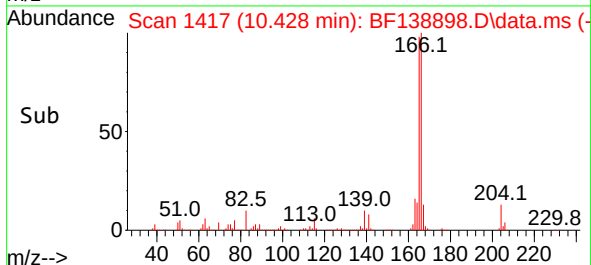
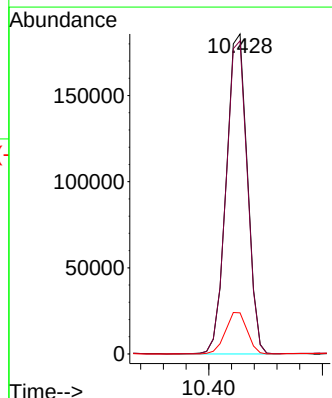
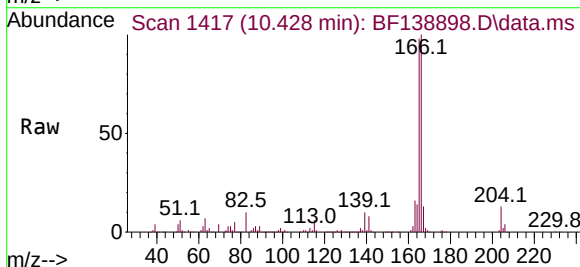
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 71554 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 76.4  | 46.3  | 69.5# |
| 89       | 87.3  | 64.2  | 96.4  |
| 182      | 3.2   | 2.5   | 3.7   |

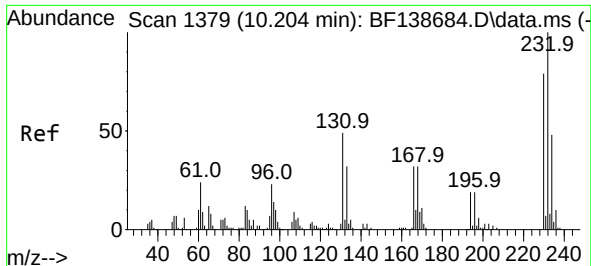


#58  
Fluorene  
Concen: 50.456 ng  
RT: 10.428 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 239492 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 97.8  | 78.4  | 117.6  |
| 167      | 12.9  | 10.6  | 16.0   |



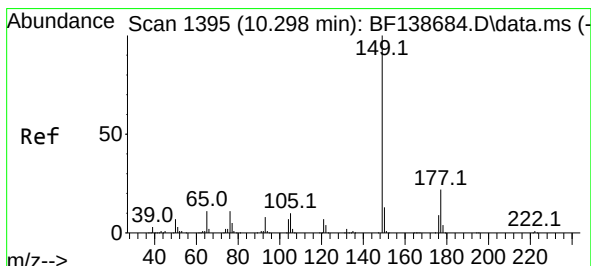
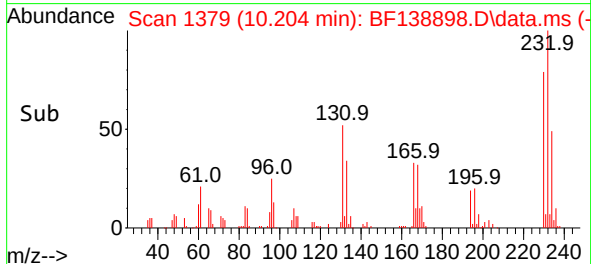
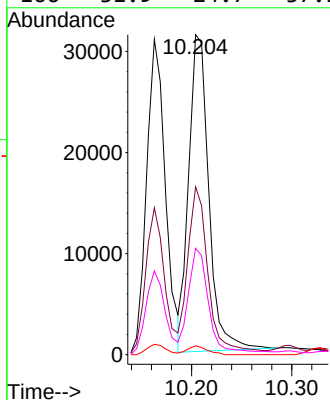
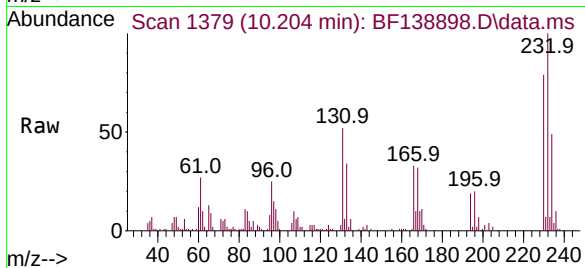




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.559 ng  
RT: 10.204 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

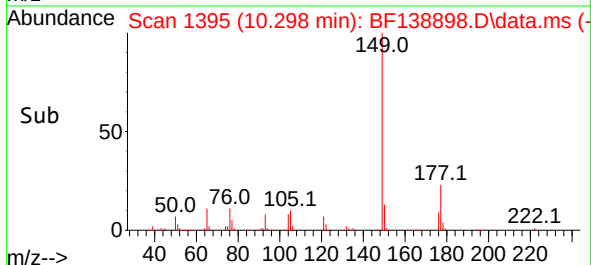
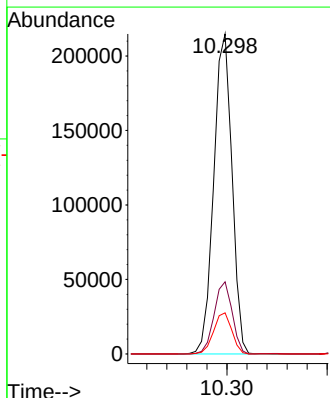
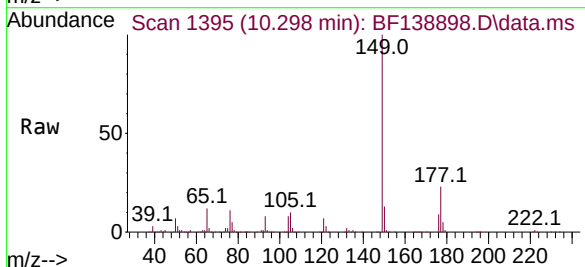
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

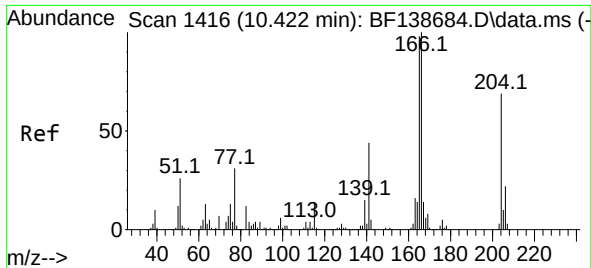
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 43654 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 53.6  | 37.0  | 55.4  |
| 130       | 2.7   | 2.0   | 3.0   |
| 166       | 31.9  | 24.7  | 37.1  |



#60  
Diethylphthalate  
Concen: 58.777 ng  
RT: 10.298 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 270945 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 22.5  | 17.8  | 26.8   |
| 150       | 12.8  | 10.1  | 15.1   |

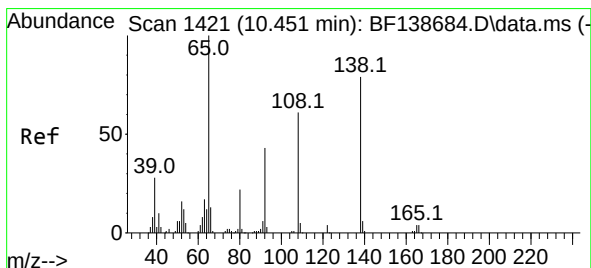
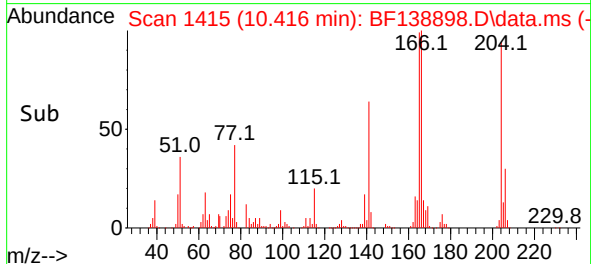
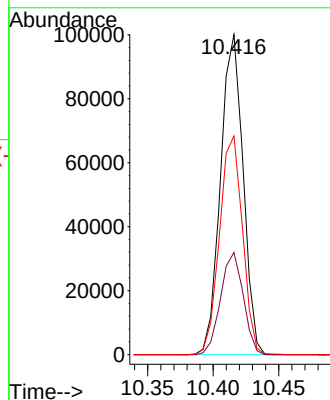
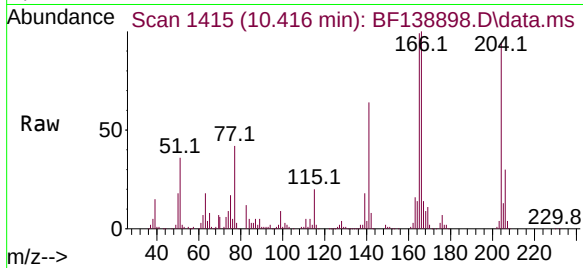




#61  
4-Chlorophenyl-phenylether  
Concen: 51.237 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

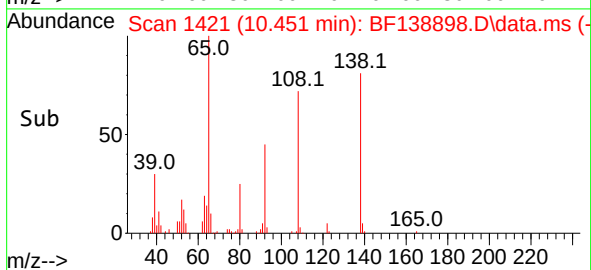
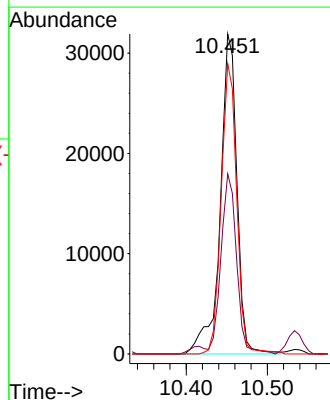
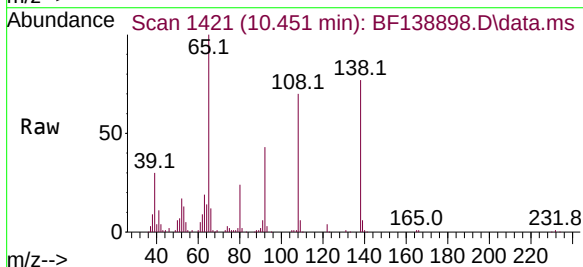
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

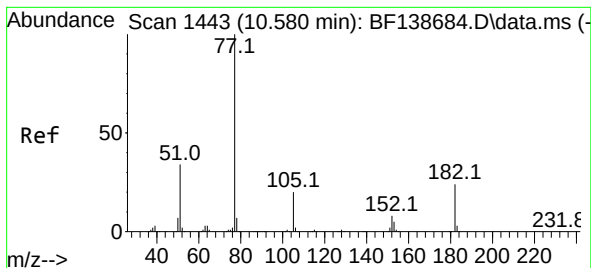
Tgt Ion:204 Resp: 119609  
Ion Ratio Lower Upper  
204 100  
206 31.9 26.1 39.1  
141 68.4 51.4 77.0



#62  
4-Nitroaniline  
Concen: 42.428 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:138 Resp: 45733  
Ion Ratio Lower Upper  
138 100  
92 56.3 34.2 74.2  
108 90.7 56.2 96.2





#63

Azobenzene

Concen: 48.804 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

Tgt Ion: 77 Resp: 249518

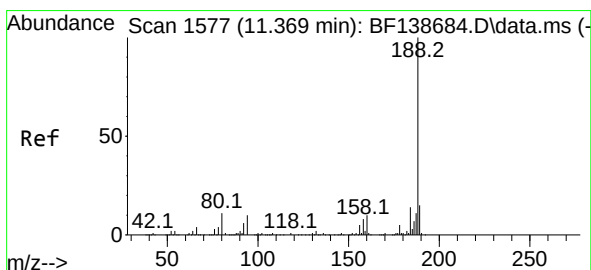
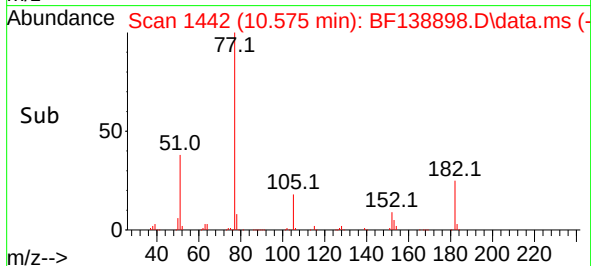
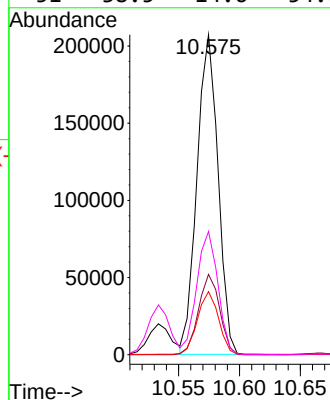
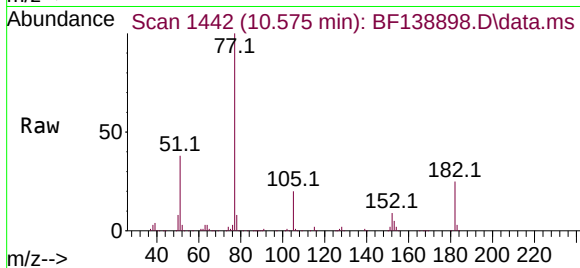
Ion Ratio Lower Upper

77 100

182 25.1 3.4 43.4

105 19.7 0.2 40.2

51 38.5 14.6 54.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

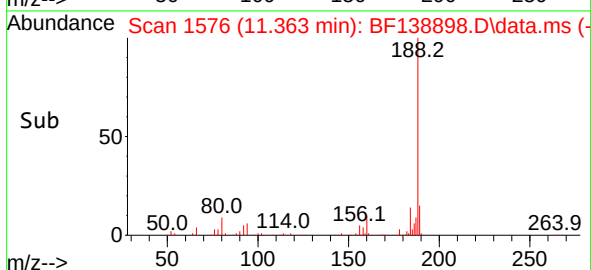
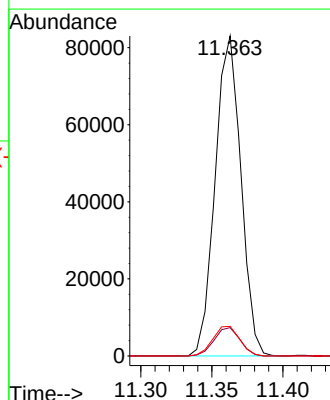
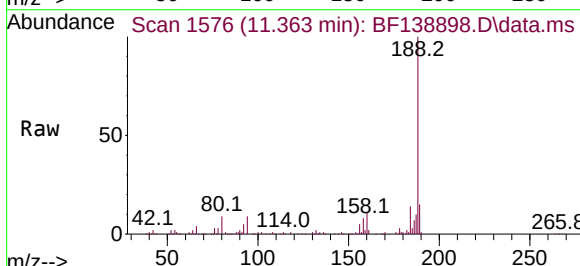
Tgt Ion:188 Resp: 104468

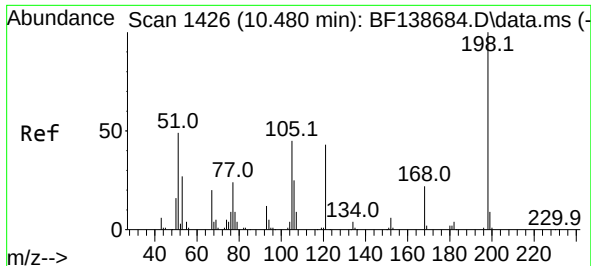
Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.2 8.6 12.8

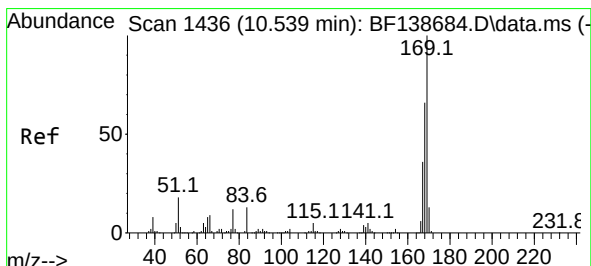
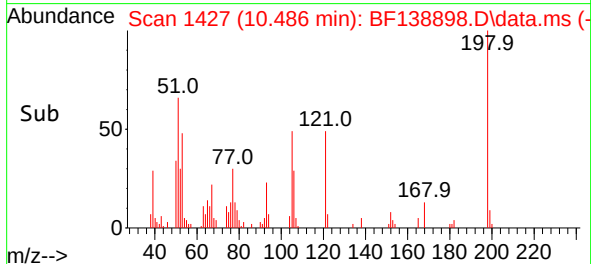
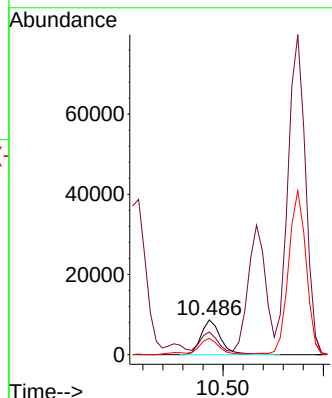
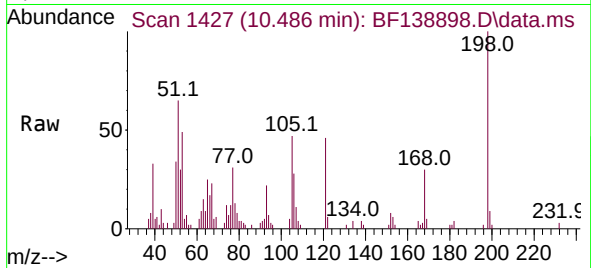




#65  
4,6-Dinitro-2-methylphenol  
Concen: 18.445 ng  
RT: 10.486 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

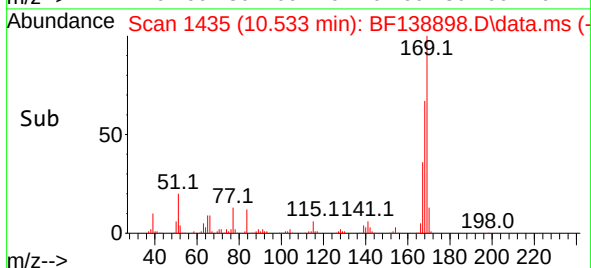
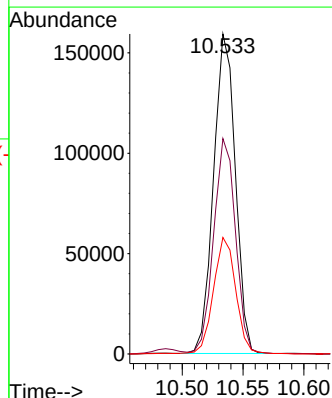
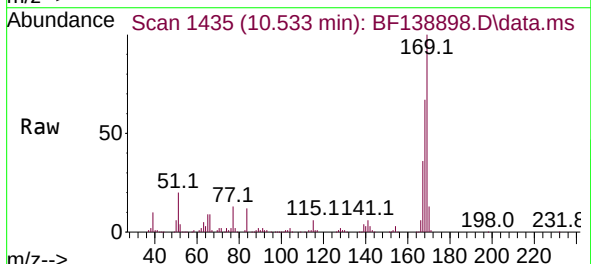
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

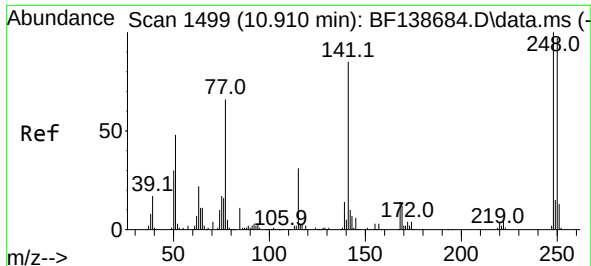
Tgt Ion:198 Resp: 11756  
Ion Ratio Lower Upper  
198 100  
51 65.4 39.9 79.9  
105 46.7 26.1 66.1



#66  
n-Nitrosodiphenylamine  
Concen: 60.769 ng  
RT: 10.533 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:169 Resp: 198438  
Ion Ratio Lower Upper  
169 100  
168 67.3 53.0 79.6  
167 36.4 29.0 43.6

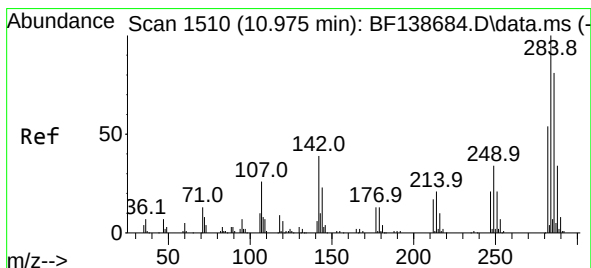
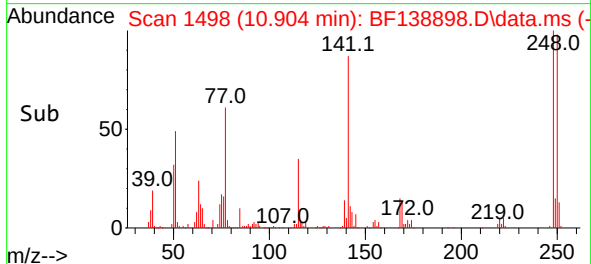
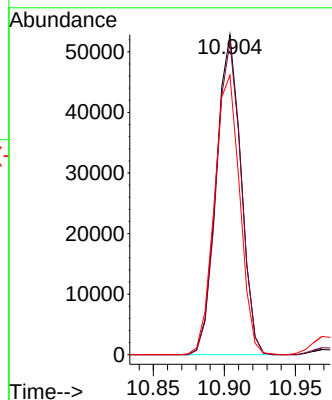
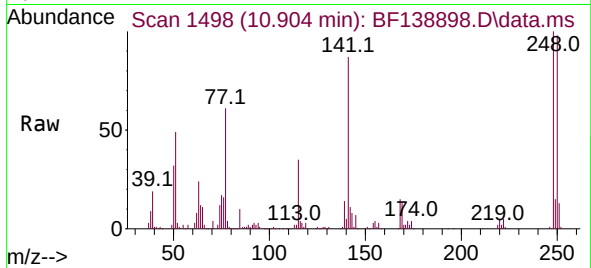




#67  
4-Bromophenyl-phenylether  
Concen: 56.371 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

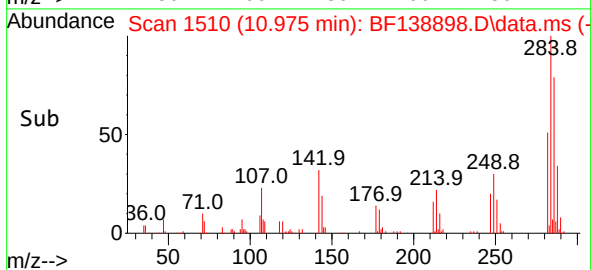
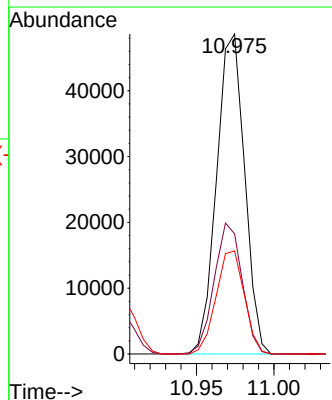
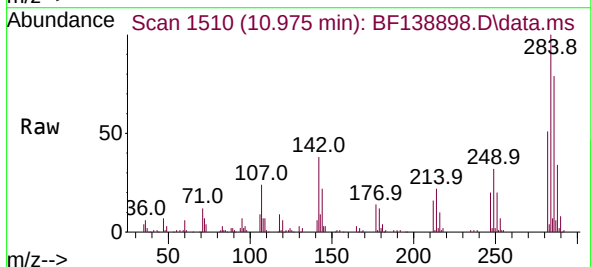
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

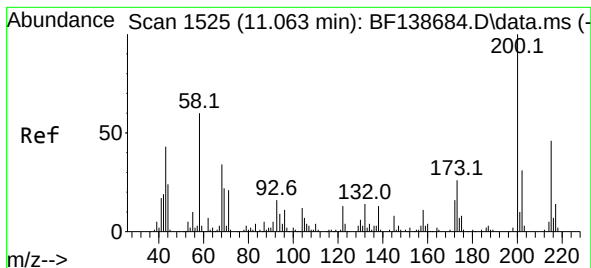
Tgt Ion:248 Resp: 63759  
Ion Ratio Lower Upper  
248 100  
250 97.7 77.7 116.5  
141 87.4 68.0 102.0



#68  
Hexachlorobenzene  
Concen: 52.401 ng  
RT: 10.975 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:284 Resp: 61195  
Ion Ratio Lower Upper  
284 100  
142 37.5 31.3 46.9  
249 32.2 27.2 40.8





#69

Atrazine

Concen: 68.497 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

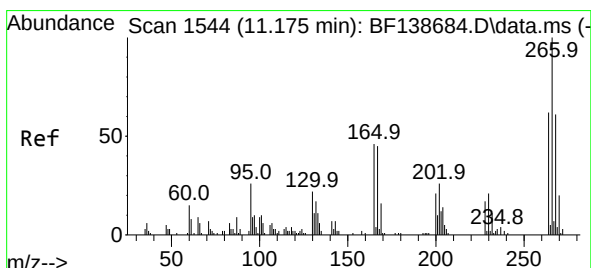
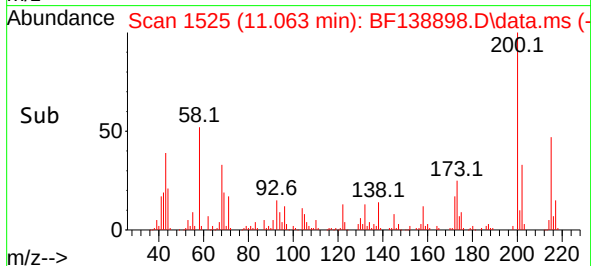
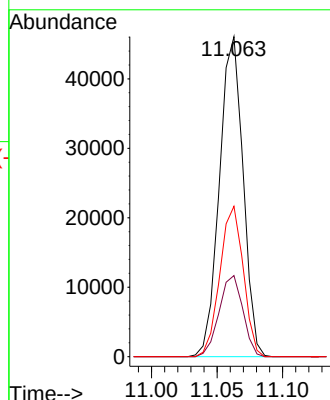
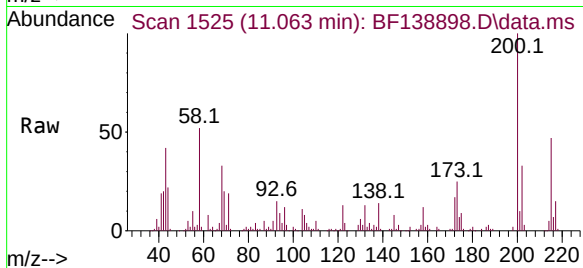
Tgt Ion:200 Resp: 57708

Ion Ratio Lower Upper

200 100

173 25.4 6.0 46.0

215 47.0 26.1 66.1



#70

Pentachlorophenol

Concen: 66.352 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

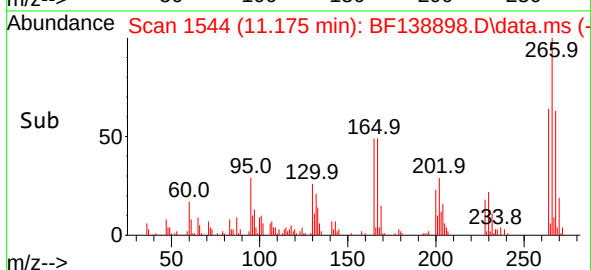
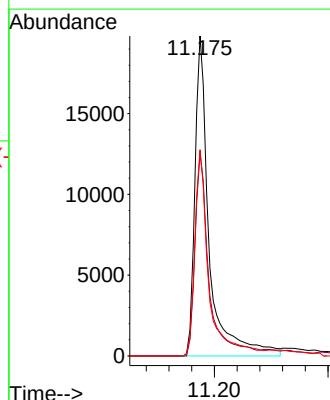
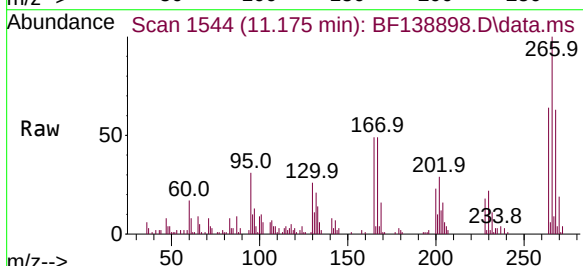
Tgt Ion:266 Resp: 34927

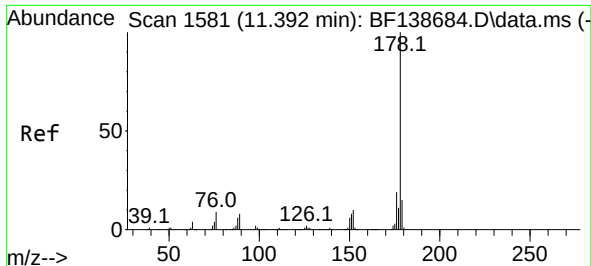
Ion Ratio Lower Upper

266 100

268 63.5 49.2 73.8

264 64.5 49.8 74.6

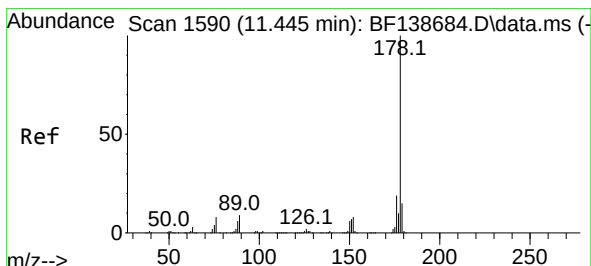
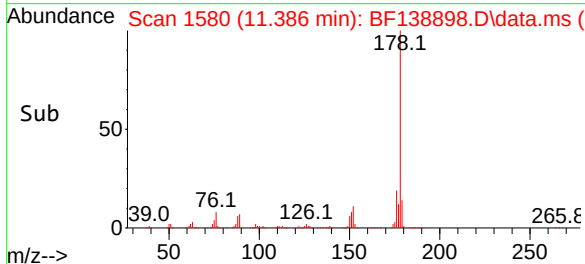
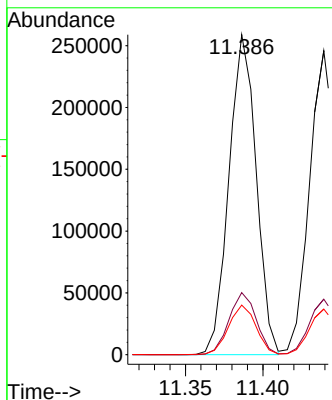
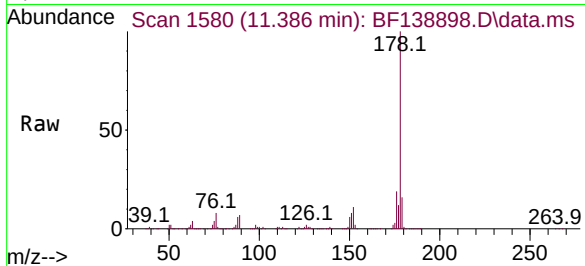




#71  
Phenanthrene  
Concen: 58.807 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

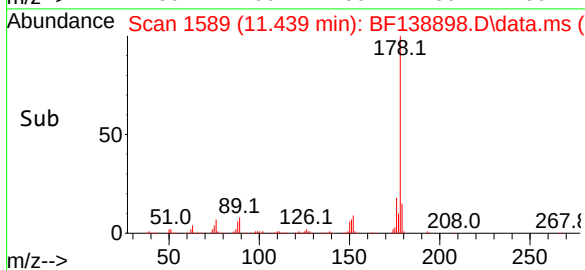
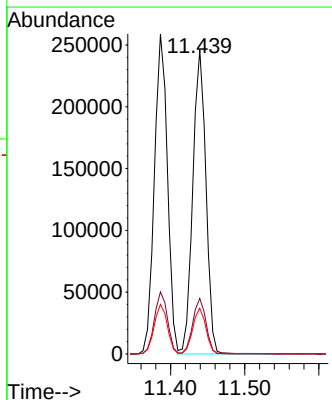
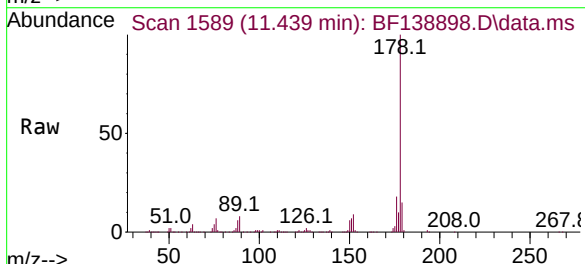
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

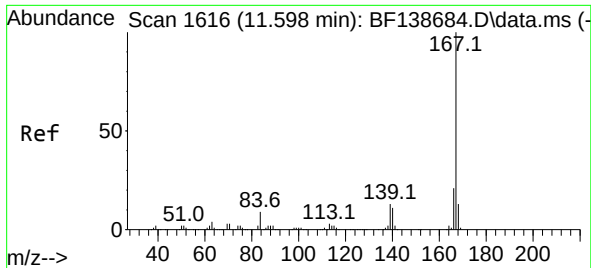
Tgt Ion:178 Resp: 316338  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 15.5 12.2 18.2



#72  
Anthracene  
Concen: 57.081 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:178 Resp: 302491  
Ion Ratio Lower Upper  
178 100  
176 18.3 14.9 22.3  
179 15.0 12.4 18.6

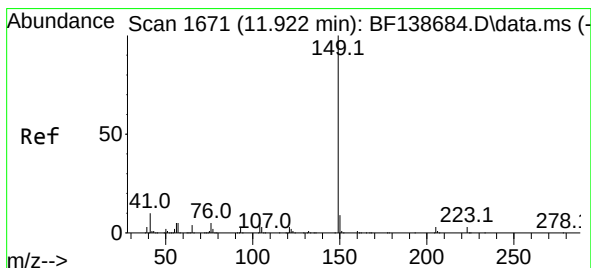
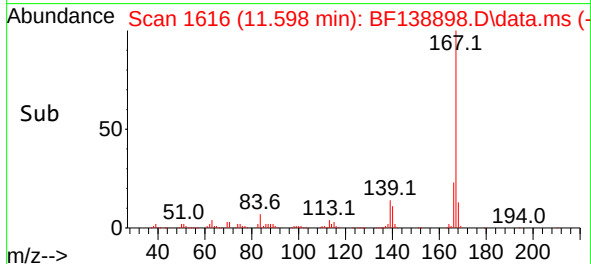
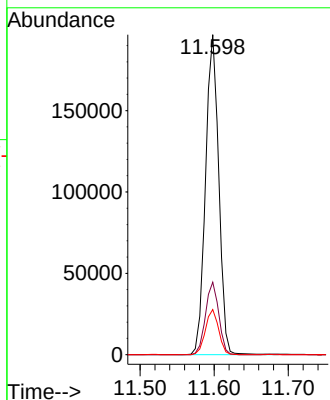
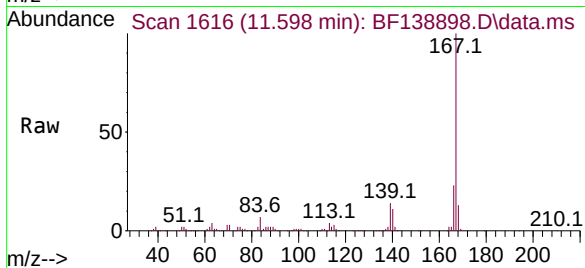




#73  
 Carbazole  
 Concen: 53.414 ng  
 RT: 11.598 min Scan# 1616  
 Delta R.T. 0.000 min  
 Lab File: BF138898.D  
 Acq: 09 Aug 2024 20:06

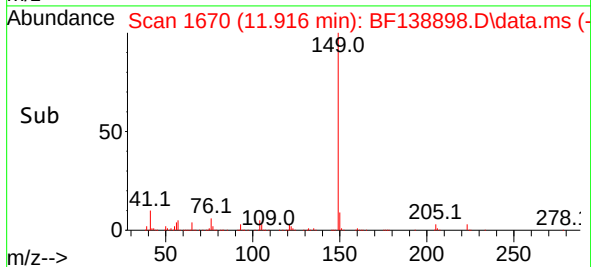
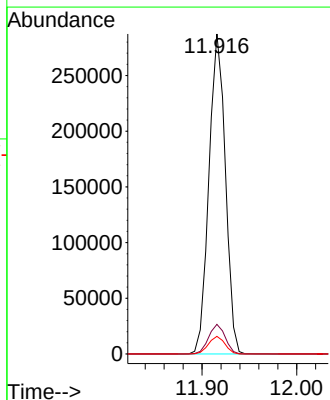
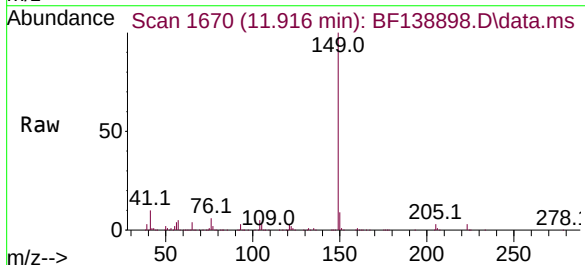
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-080724MSD

Tgt Ion:167 Resp: 244206  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 17.2 25.8  
 139 14.1 10.6 16.0

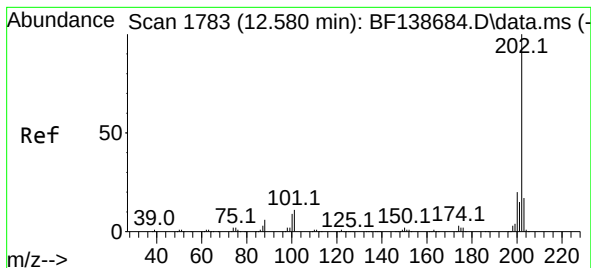


#74  
 Di-n-butylphthalate  
 Concen: 67.330 ng  
 RT: 11.916 min Scan# 1670  
 Delta R.T. -0.006 min  
 Lab File: BF138898.D  
 Acq: 09 Aug 2024 20:06

Tgt Ion:149 Resp: 346054  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.0  
 104 5.5 4.1 6.1



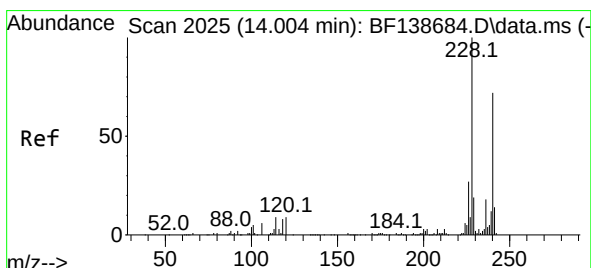
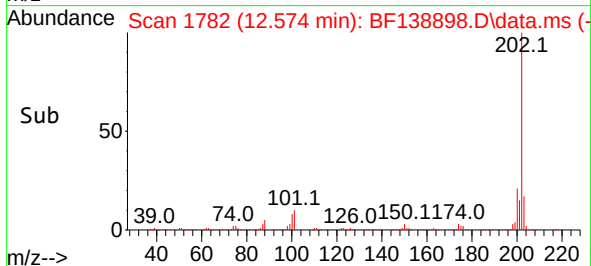
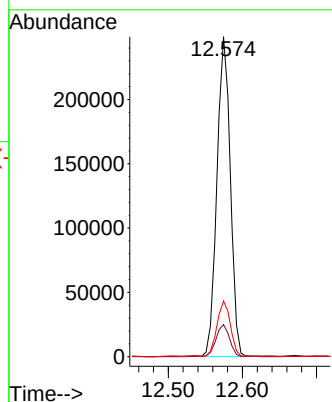
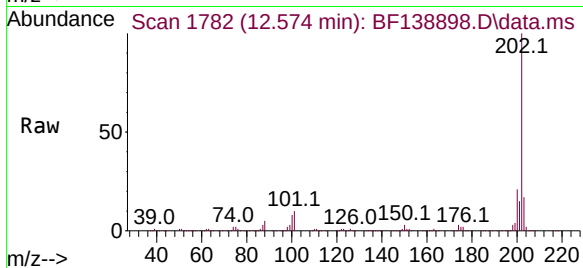




#75  
Fluoranthene  
Concen: 61.931 ng  
RT: 12.574 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

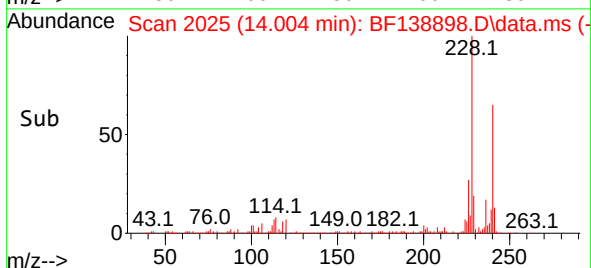
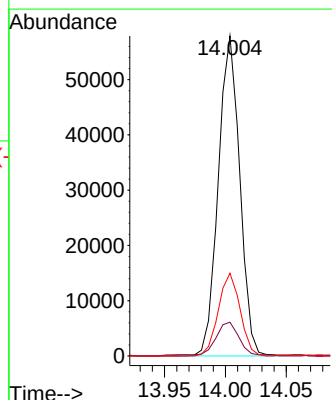
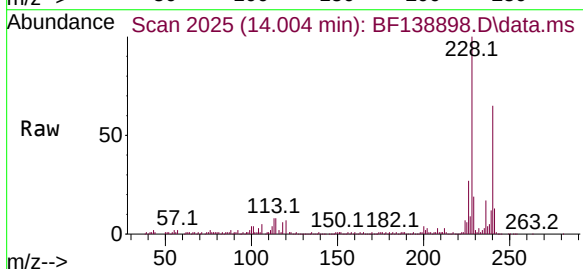
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

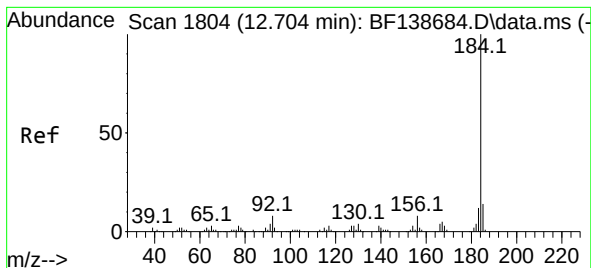
Tgt Ion:202 Resp: 311012  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 31.2  
203 17.4 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:240 Resp: 71094  
Ion Ratio Lower Upper  
240 100  
120 10.5 10.2 15.4  
236 25.8 19.8 29.8





#77

Benzidine

Concen: 61.357 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

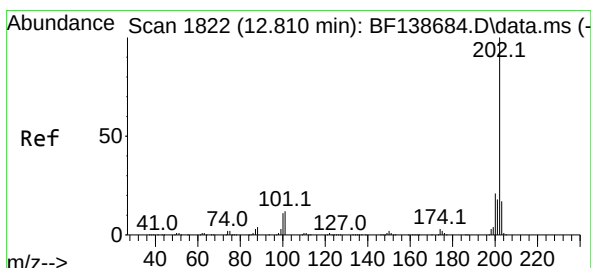
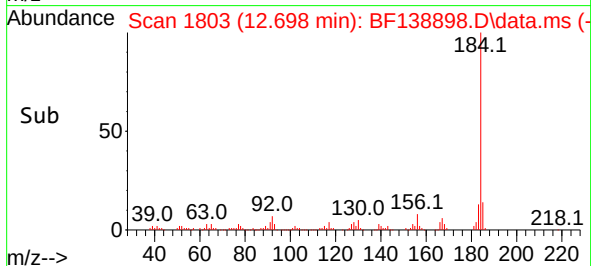
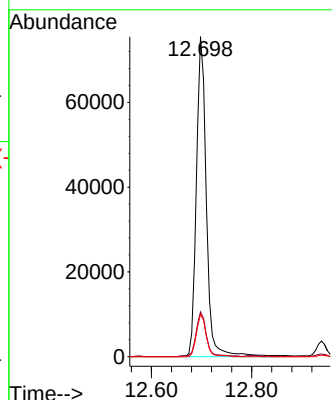
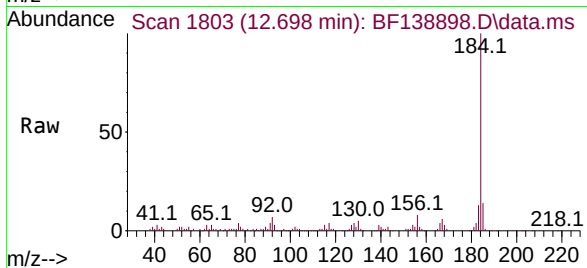
Tgt Ion:184 Resp: 104334

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

183 13.2 9.6 14.4



#78

Pyrene

Concen: 47.901 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

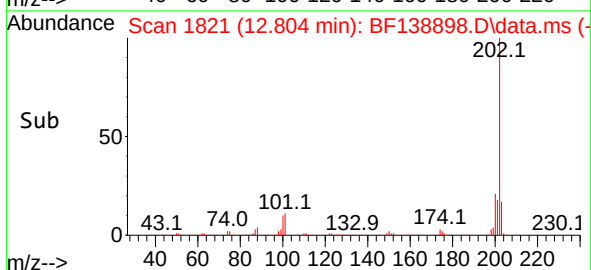
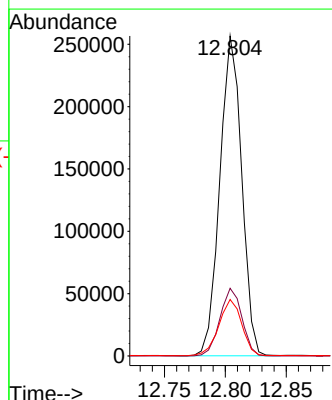
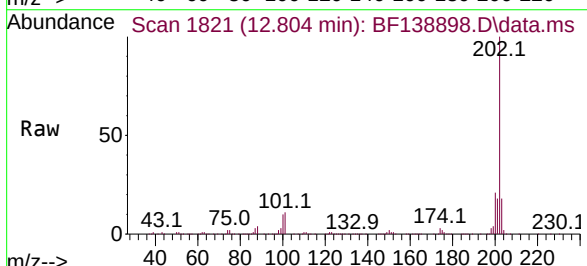
Tgt Ion:202 Resp: 320639

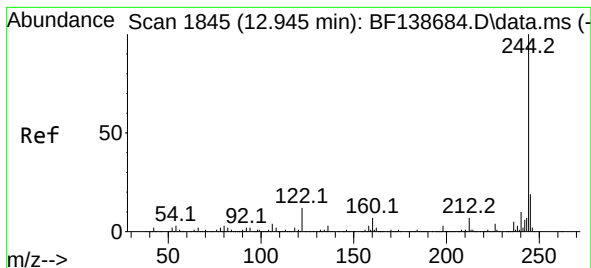
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 70.773 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138898.D

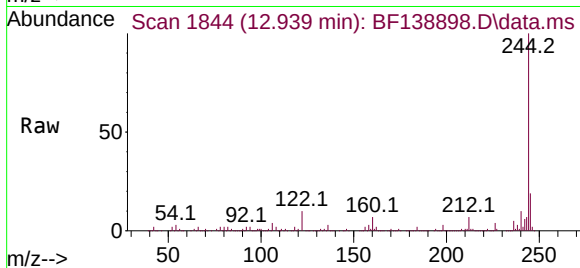
Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD



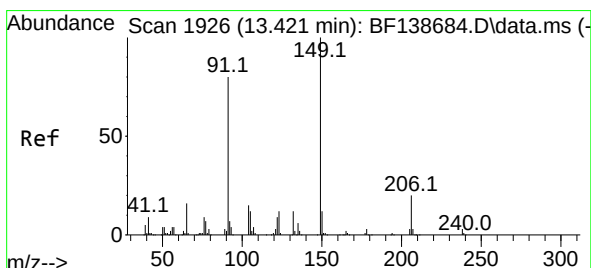
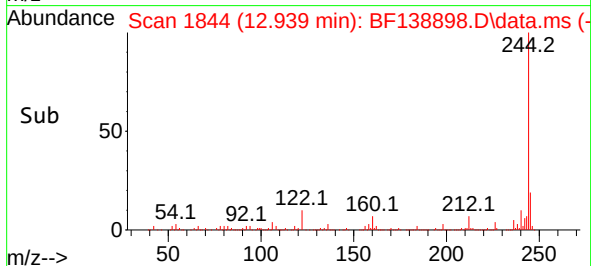
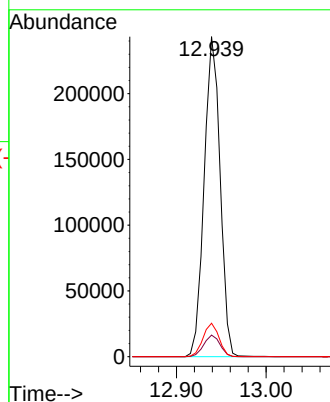
Tgt Ion:244 Resp: 300520

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 61.085 ng

RT: 13.416 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

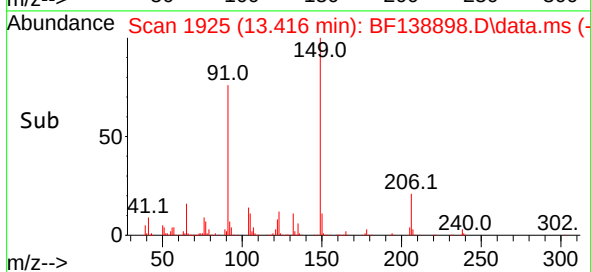
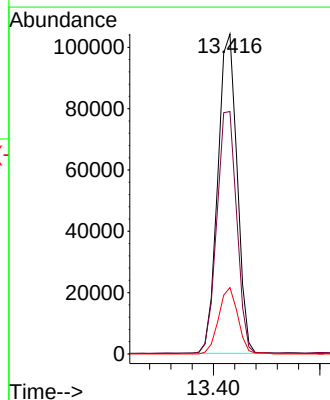
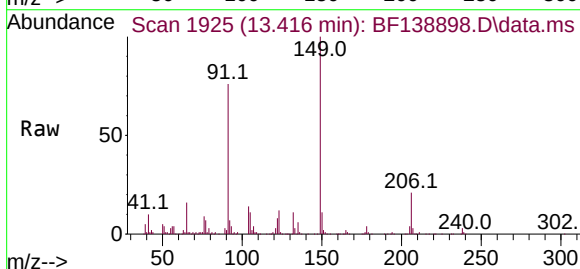
Tgt Ion:149 Resp: 130936

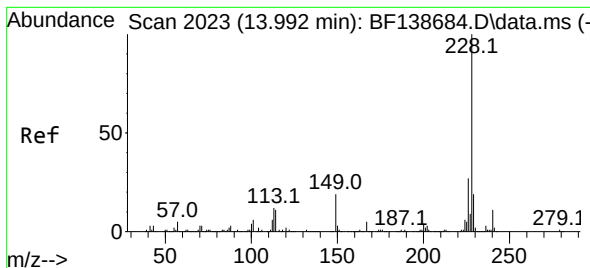
Ion Ratio Lower Upper

149 100

91 75.8 63.7 95.5

206 20.7 16.2 24.2





#81

Benzo(a)anthracene

Concen: 55.314 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

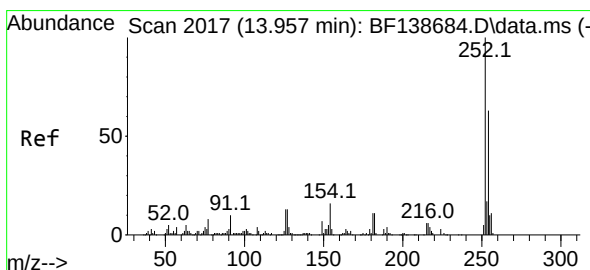
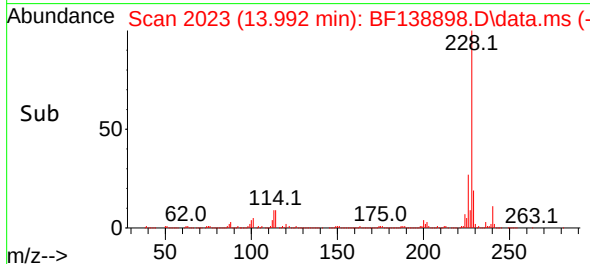
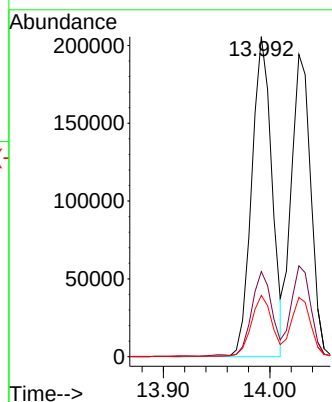
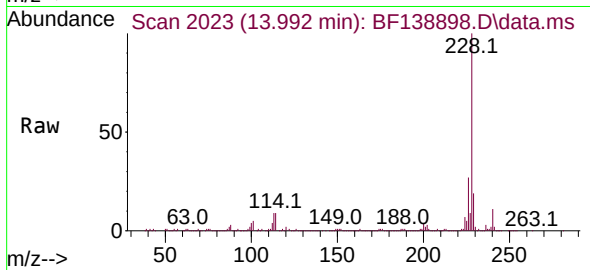
Tgt Ion:228 Resp: 270798

Ion Ratio Lower Upper

228 100

226 26.6 22.1 33.1

229 19.2 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 49.713 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

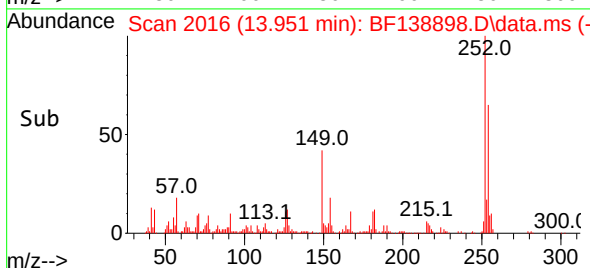
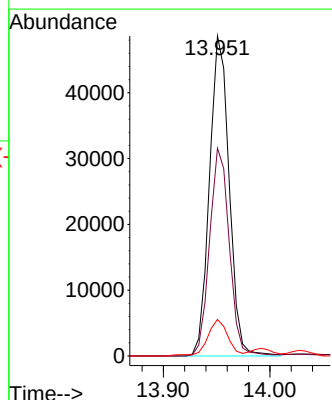
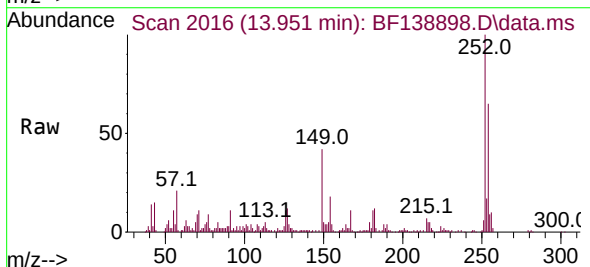
Tgt Ion:252 Resp: 62282

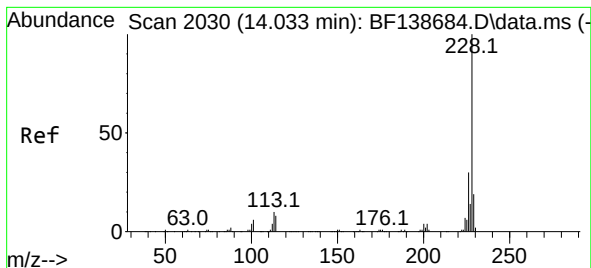
Ion Ratio Lower Upper

252 100

254 64.9 50.8 76.2

126 11.4 10.2 15.2





#83

Chrysene

Concen: 55.539 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

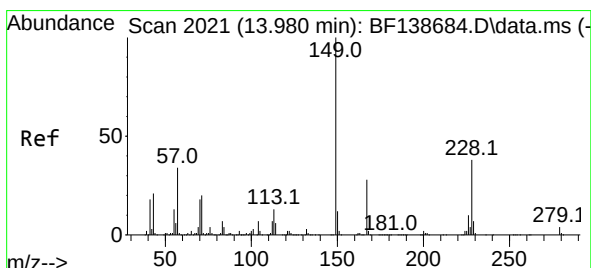
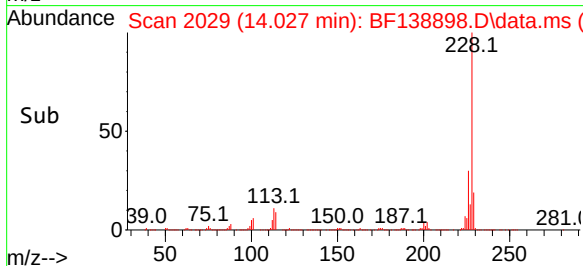
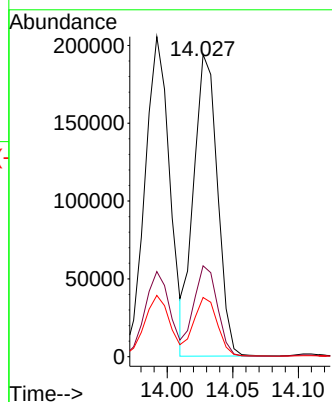
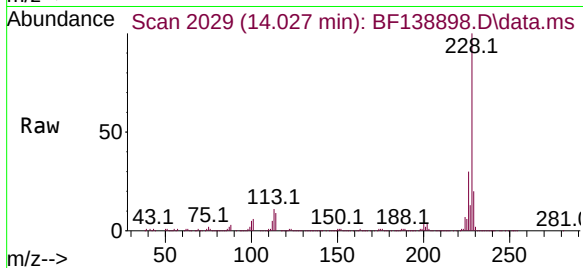
Tgt Ion:228 Resp: 245309

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 19.6 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.774 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

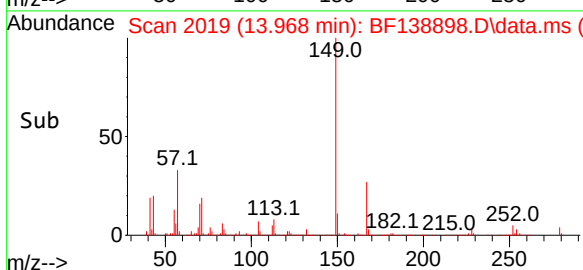
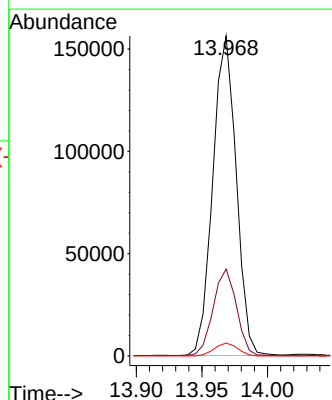
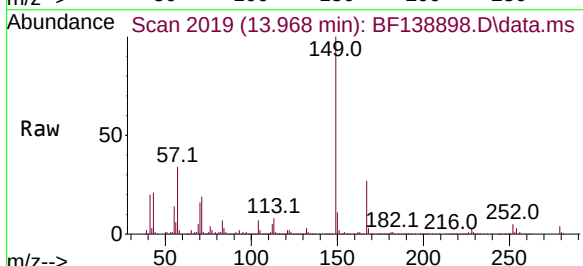
Tgt Ion:149 Resp: 193897

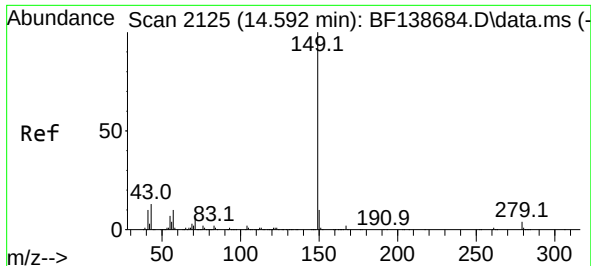
Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.4

279 4.0 3.4 5.0

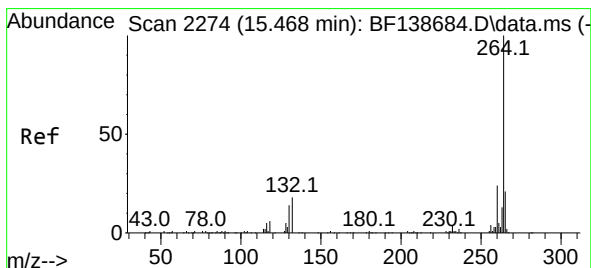
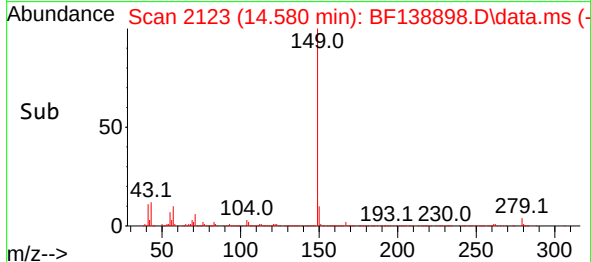
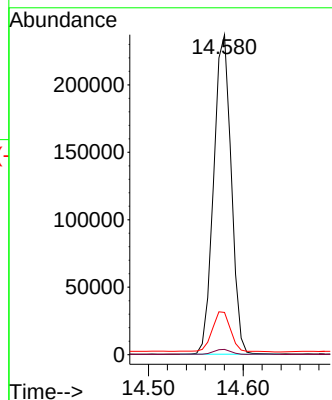
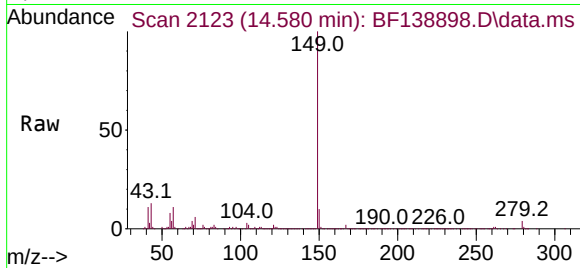




#85  
Di-n-octyl phthalate  
Concen: 52.362 ng  
RT: 14.580 min Scan# 2125  
Delta R.T. -0.012 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

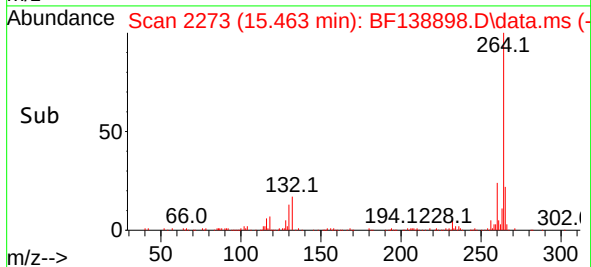
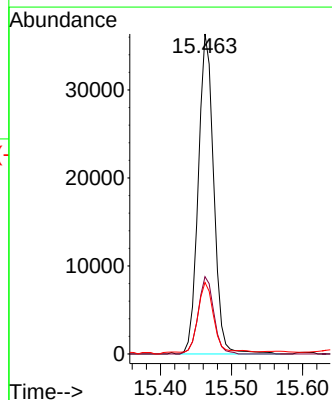
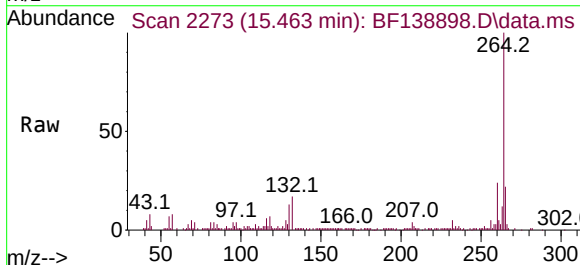
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

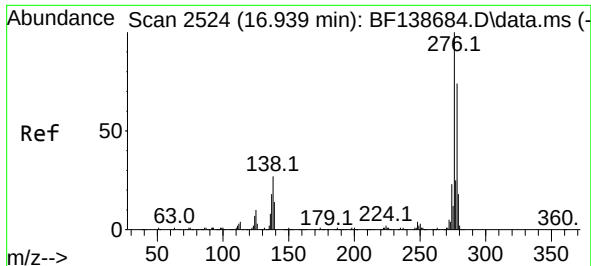
Tgt Ion:149 Resp: 304083  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 13.4 10.4 15.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.463 min Scan# 2273  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:264 Resp: 55254  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.0 28.6  
265 22.4 17.0 25.6

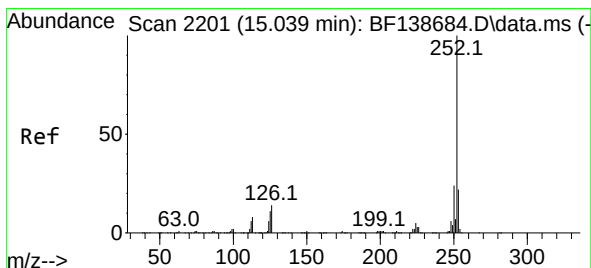
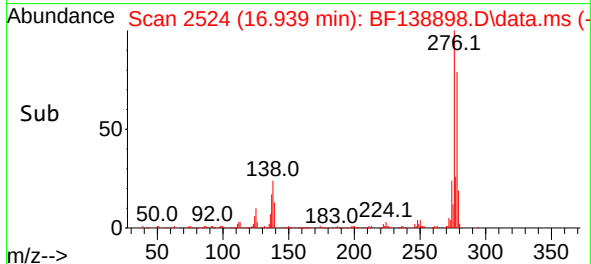
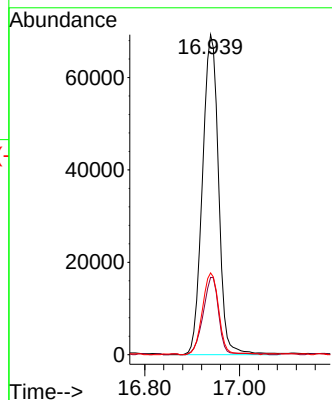
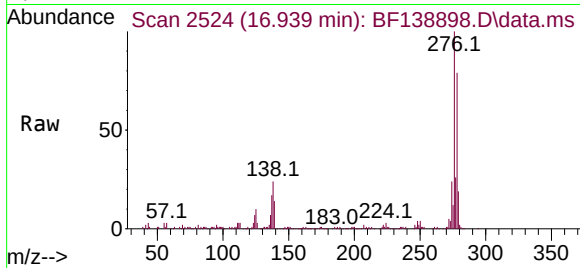




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 41.416 ng  
RT: 16.939 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

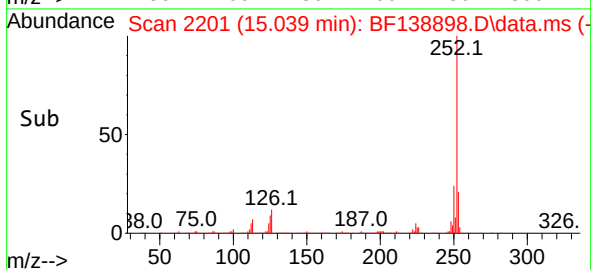
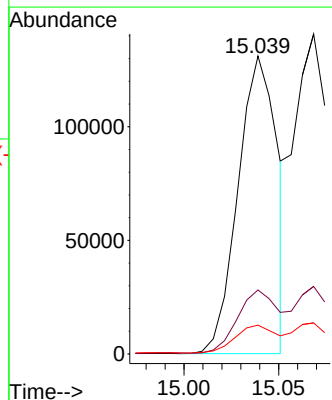
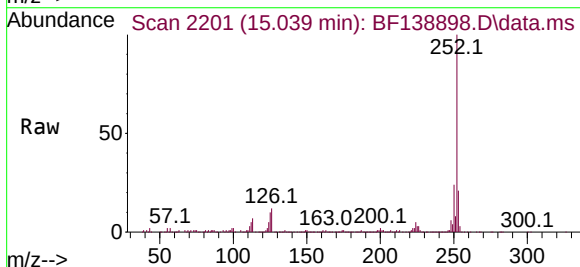
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

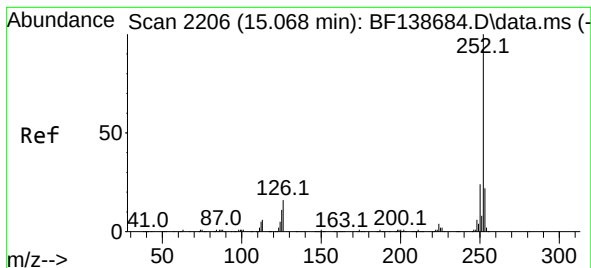
Tgt Ion:276 Resp: 163995  
Ion Ratio Lower Upper  
276 100  
138 23.4 21.8 32.8  
277 26.0 20.6 30.8



#88  
Benzo(b)fluoranthene  
Concen: 55.003 ng  
RT: 15.039 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:252 Resp: 188396  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.5 26.3  
125 9.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 63.475 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

Instrument :

BNA\_F

ClientSampleId :

OR-02-080724MSD

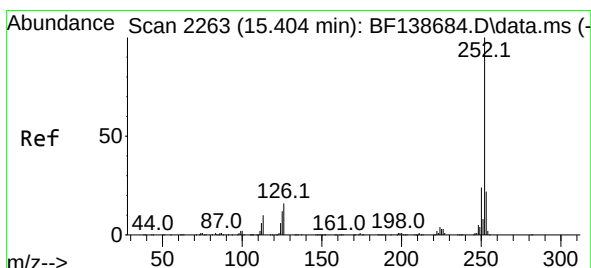
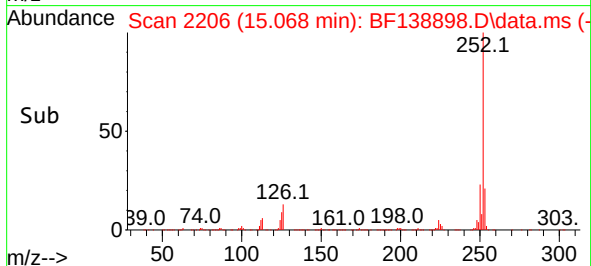
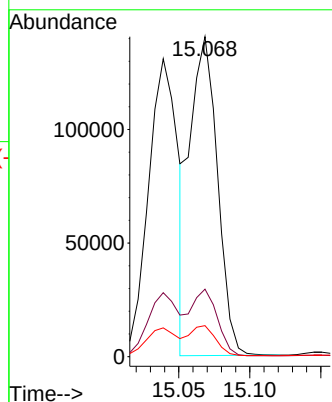
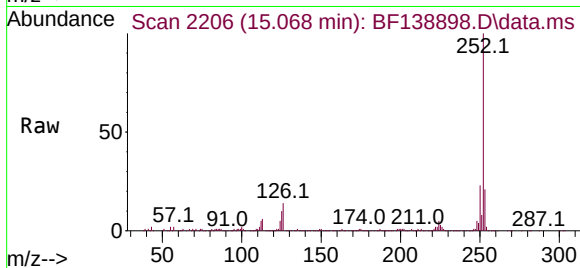
Tgt Ion:252 Resp: 188241

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 9.7 8.6 13.0



#90

Benzo(a)pyrene

Concen: 56.949 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF138898.D

Acq: 09 Aug 2024 20:06

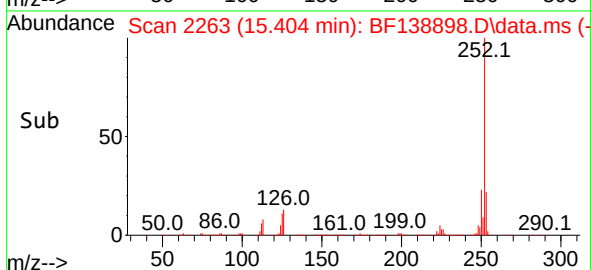
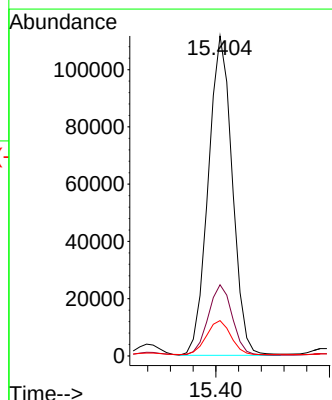
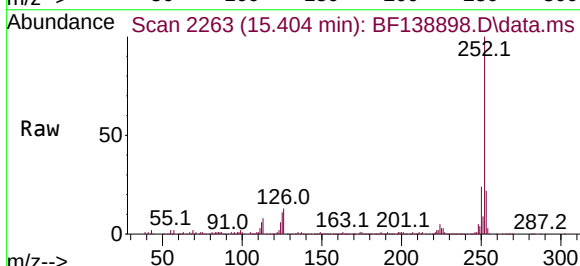
Tgt Ion:252 Resp: 164076

Ion Ratio Lower Upper

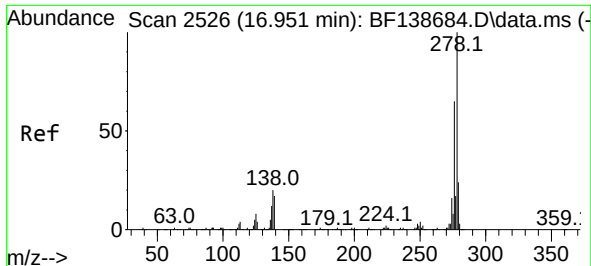
252 100

253 22.3 17.3 25.9

125 11.1 9.5 14.3



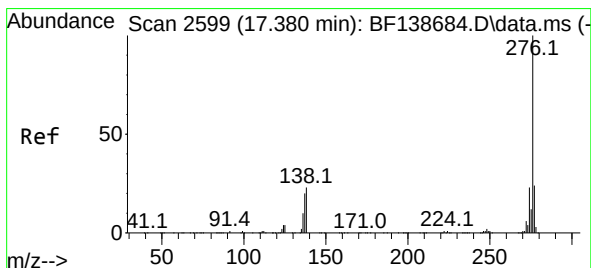
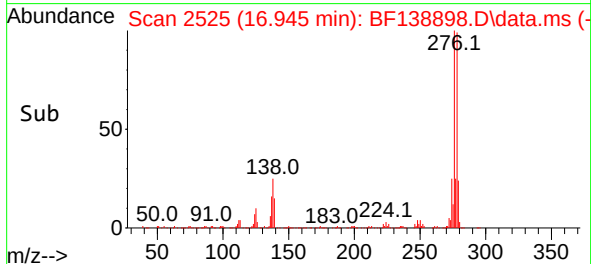
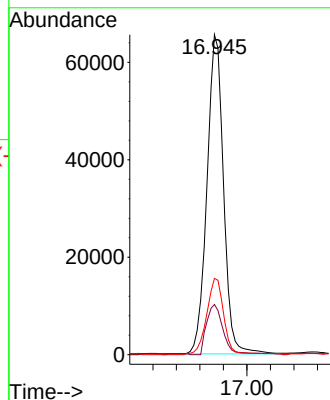
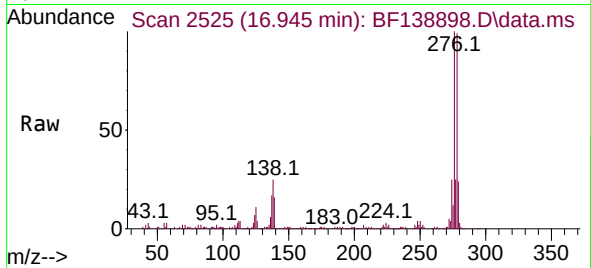




#91  
Dibenzo(a,h)anthracene  
Concen: 39.616 ng  
RT: 16.945 min Scan# 2526  
Delta R.T. -0.006 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-080724MSD

Tgt Ion:278 Resp: 128767  
Ion Ratio Lower Upper  
278 100  
139 15.7 14.0 21.0  
279 23.9 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 36.942 ng  
RT: 17.380 min Scan# 2599  
Delta R.T. 0.000 min  
Lab File: BF138898.D  
Acq: 09 Aug 2024 20:06

Tgt Ion:276 Resp: 124605  
Ion Ratio Lower Upper  
276 100  
277 22.8 19.0 28.4  
138 20.2 18.5 27.7

