

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110423\  
 Data File : BF136142.D  
 Acq On : 04 Nov 2023 11:33  
 Operator : CG\JU  
 Sample : PB156895BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156895BSD

Quant Time: Nov 06 00:59:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 06 00:53:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 104325   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 421150   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 221528   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 410883   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.009 | 240  | 207622   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 201993   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 779005   | 117.339 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 964972   | 116.659 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.386  | 82   | 583504   | 83.522  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 303562   | 128.381 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 1101103  | 79.235  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1254526  | 93.900  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.663  | 88   | 93561    | 32.364  | ng    | 99       |
| 3) Pyridine                   | 3.410  | 79   | 227968   | 28.890  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 131607   | 39.891  | ng    | 92       |
| 6) Aniline                    | 6.481  | 93   | 299326   | 27.950  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.604  | 128  | 304731   | 42.933  | ng    | 99       |
| 9) Benzaldehyde               | 6.369  | 77   | 34989    | 7.586   | ng    | 98       |
| 10) Phenol                    | 6.475  | 94   | 363939   | 42.538  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 6.557  | 93   | 277944   | 41.498  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.839  | 146  | 316514   | 42.845  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.839  | 146  | 316514   | 42.753  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.986  | 146  | 307608   | 44.436  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.963  | 79   | 250506   | 42.711  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098  | 45   | 370174   | 40.153  | ng    | 99       |
| 17) 2-Methylphenol            | 7.075  | 107  | 235869   | 39.172  | ng    | 96       |
| 18) Hexachloroethane          | 7.328  | 117  | 115881   | 44.534  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.239  | 70   | 194279   | 41.106  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.228  | 107  | 290769   | 39.601  | ng    | 96       |
| 22) Acetophenone              | 7.233  | 105  | 400208   | 42.855  | ng    | 96       |
| 24) Nitrobenzene              | 7.404  | 77   | 298678   | 42.265  | ng    | 96       |
| 25) Isophorone                | 7.639  | 82   | 548839   | 41.612  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.716  | 139  | 155002   | 48.074  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.757  | 122  | 245591   | 40.309  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 332454   | 41.139  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.957  | 162  | 247670   | 43.120  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.039  | 180  | 271151   | 43.275  | ng    | 99       |
| 31) Naphthalene               | 8.122  | 128  | 847973   | 41.754  | ng    | 99       |
| 32) Benzoic acid              | 7.880  | 122  | 191997   | 40.260  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.169  | 127  | 188656   | 21.212  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.239  | 225  | 160245   | 44.595  | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 57233    | 30.645  | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 270767   | 44.903  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 550576   | 40.432  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 526476   | 41.545  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.980  | 216  | 259183   | 41.024  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.969  | 237  | 287478   | 85.172  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.092  | 196  | 178492   | 43.331  | ng    | 99       |

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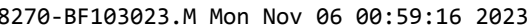
Instrument :  
 BNA\_F  
 ClientSampleId :  
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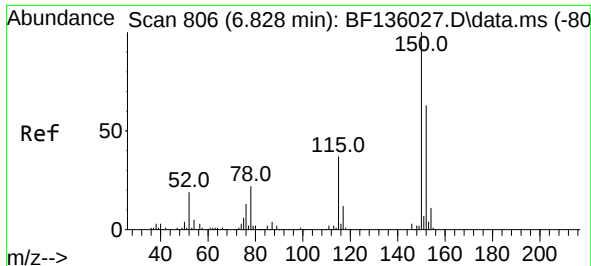
Quant Time: Nov 06 00:59:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 06 00:53:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 194413   | 40.743 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.280  | 154  | 697283   | 41.290 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 531052   | 42.657 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 168367   | 45.698 | ng    | 99       |
| 49) Acenaphthylene            | 9.722  | 152  | 833463   | 42.915 | ng    | 99       |
| 50) Dimethylphthalate         | 9.586  | 163  | 634542   | 43.425 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.645  | 165  | 146620   | 46.914 | ng    | 91       |
| 52) Acenaphthene              | 9.898  | 154  | 514266   | 41.653 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.816  | 138  | 121824   | 33.407 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 150755   | 88.105 | ng    | # 85     |
| 55) Dibenzofuran              | 10.069 | 168  | 749623   | 41.639 | ng    | 96       |
| 56) 4-Nitrophenol             | 9.980  | 139  | 235799   | 86.445 | ng    | 82       |
| 57) 2,4-Dinitrotoluene        | 10.051 | 165  | 190582   | 48.197 | ng    | 98       |
| 58) Fluorene                  | 10.410 | 166  | 580072   | 43.035 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 167756   | 44.220 | ng    | 97       |
| 60) Diethylphthalate          | 10.292 | 149  | 654543   | 46.881 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 283955   | 42.202 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.433 | 138  | 142784   | 40.663 | ng    | 95       |
| 63) Azobenzene                | 10.569 | 77   | 565152   | 42.031 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 100967   | 45.118 | ng    | 78       |
| 66) n-Nitrosodiphenylamine    | 10.527 | 169  | 523511   | 42.236 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248  | 185746   | 43.118 | ng    | 93       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 213638   | 46.435 | ng    | # 92     |
| 69) Atrazine                  | 11.057 | 200  | 170962   | 50.695 | ng    | 98       |
| 70) Pentachlorophenol         | 11.157 | 266  | 214758   | 72.682 | ng    | 96       |
| 71) Phenanthrene              | 11.380 | 178  | 905365   | 43.763 | ng    | 98       |
| 72) Anthracene                | 11.427 | 178  | 903078   | 42.600 | ng    | 100      |
| 73) Carbazole                 | 11.586 | 167  | 792046   | 42.995 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 918424   | 43.631 | ng    | 100      |
| 75) Fluoranthene              | 12.574 | 202  | 897591   | 42.234 | ng    | 96       |
| 77) Benzidine                 | 12.698 | 184  | 137568   | 33.995 | ng    | 97       |
| 78) Pyrene                    | 12.804 | 202  | 884111   | 48.299 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 296601   | 45.266 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 592920   | 43.137 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.962 | 252  | 159052   | 36.255 | ng    | 99       |
| 83) Chrysene                  | 14.033 | 228  | 564137   | 41.675 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149  | 322886   | 42.297 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 466762   | 40.815 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 695057   | 52.650 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 557488   | 46.643 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 490254   | 41.455 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 487129   | 43.864 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 574132   | 53.093 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 580222   | 47.181 | ng    | 96       |

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

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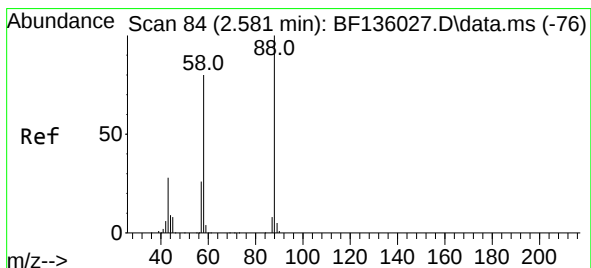
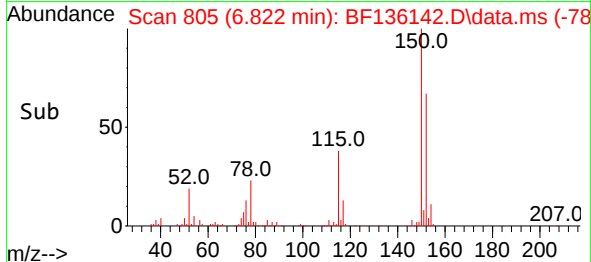
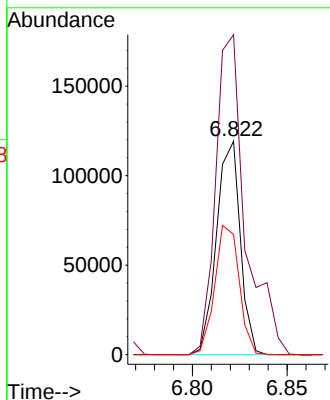
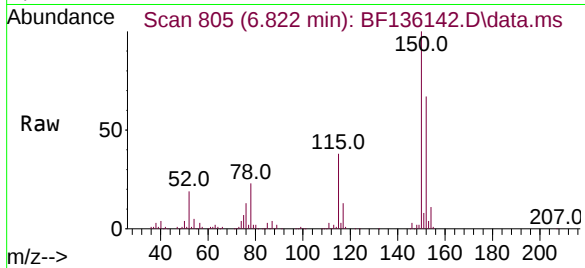




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.822 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

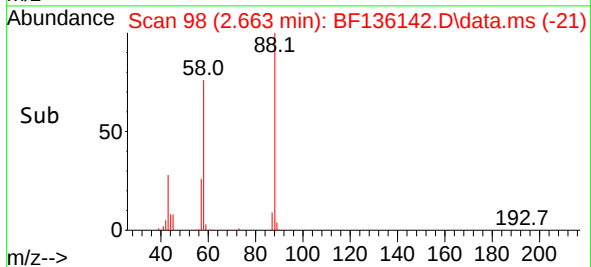
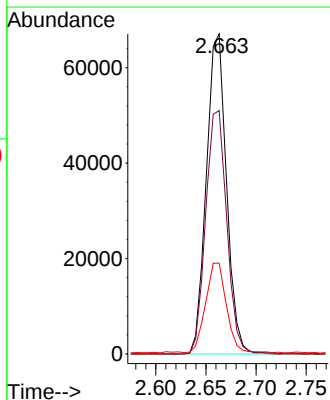
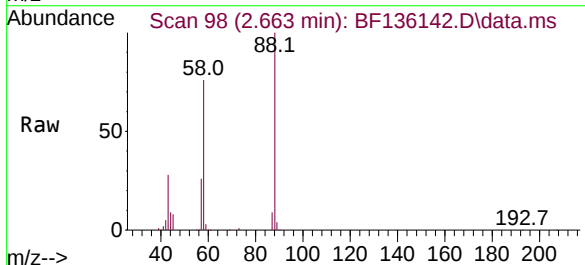
Instrument :  
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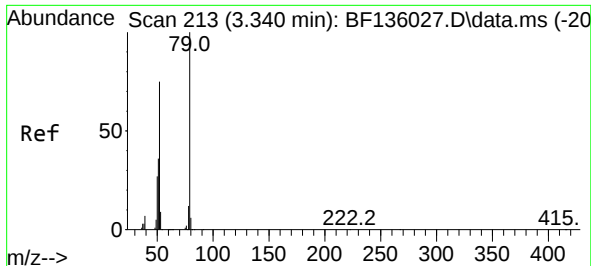
Tgt Ion:152 Resp: 104325  
 Ion Ratio Lower Upper  
 152 100  
 150 149.9 126.4 189.6  
 115 56.4 47.0 70.4



#2  
 1,4-Dioxane  
 Concen: 32.364 ng  
 RT: 2.663 min Scan# 98  
 Delta R.T. 0.100 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

Tgt Ion: 88 Resp: 93561  
 Ion Ratio Lower Upper  
 88 100  
 58 79.8 64.3 96.5  
 43 29.3 22.3 33.5

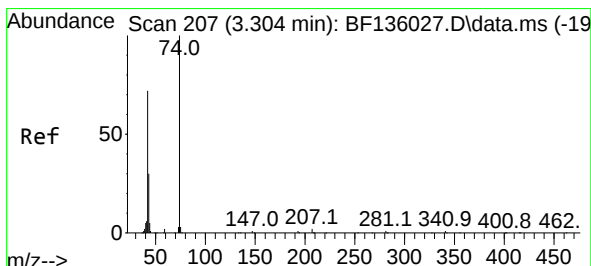
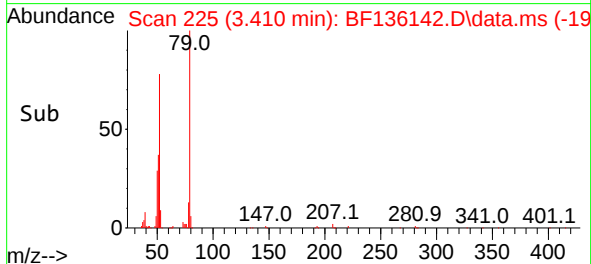
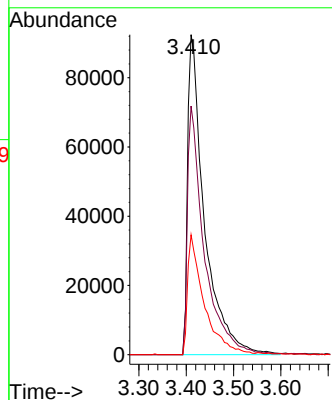
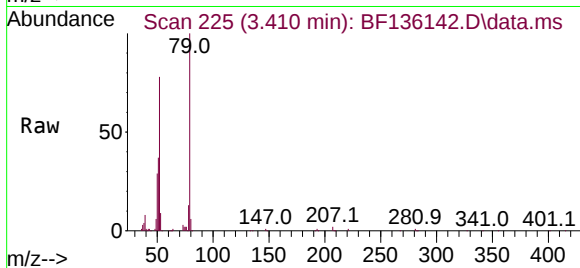




#3  
 Pyridine  
 Concen: 28.890 ng  
 RT: 3.410 min Scan# 213  
 Delta R.T. 0.088 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

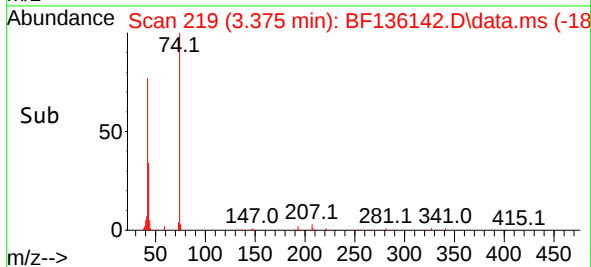
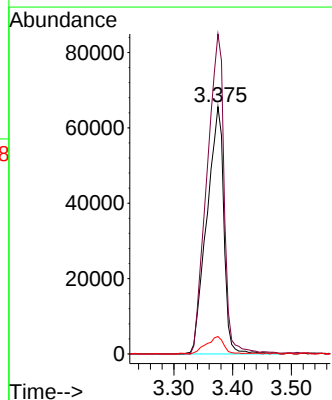
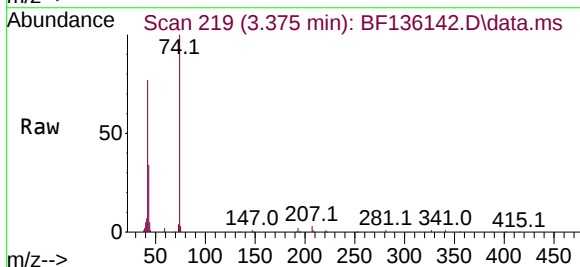
Instrument :  
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 ClientSampleId :  
 PB156895BSD

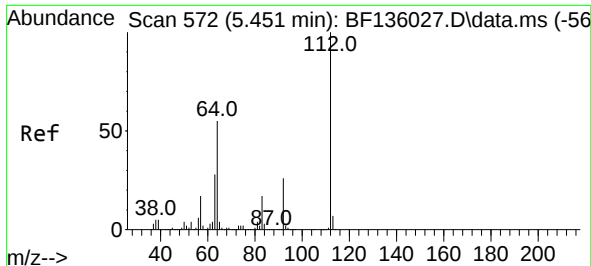
Tgt Ion: 79 Resp: 227968  
 Ion Ratio Lower Upper  
 79 100  
 52 77.7 60.3 90.5  
 51 37.4 29.3 43.9



#4  
 n-Nitrosodimethylamine  
 Concen: 39.891 ng  
 RT: 3.375 min Scan# 219  
 Delta R.T. 0.082 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

Tgt Ion: 42 Resp: 131607  
 Ion Ratio Lower Upper  
 42 100  
 74 129.5 111.8 167.6  
 44 7.0 6.2 9.4

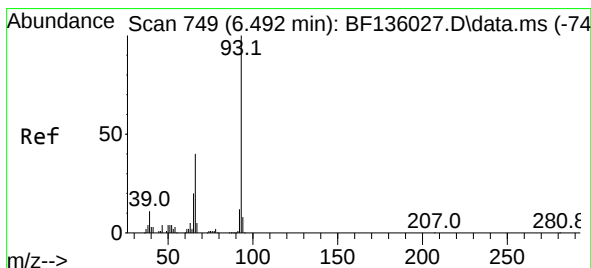
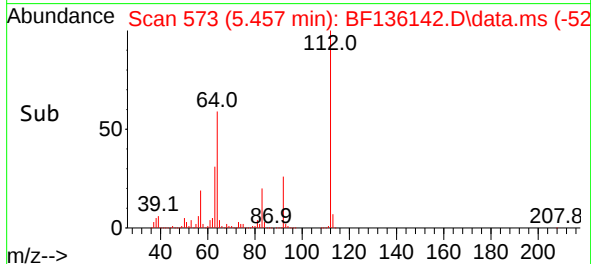
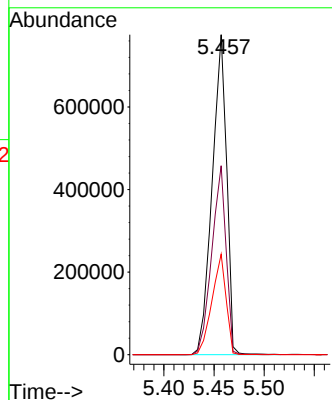
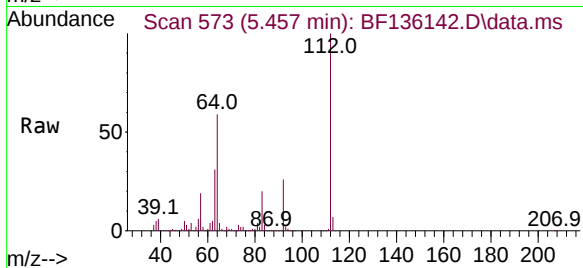




#5  
2-Fluorophenol  
Concen: 117.339 ng  
RT: 5.457 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

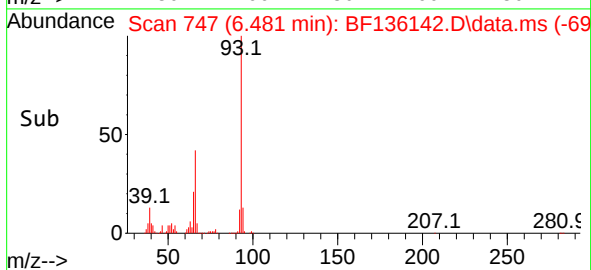
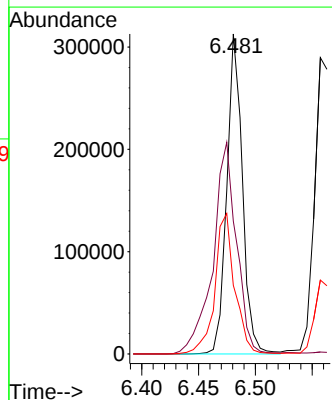
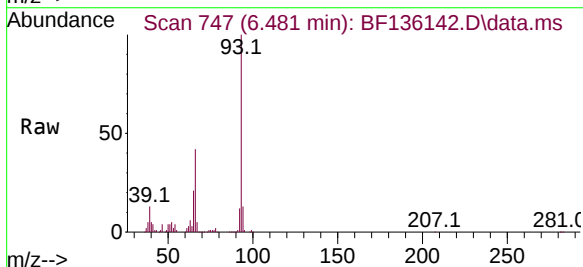
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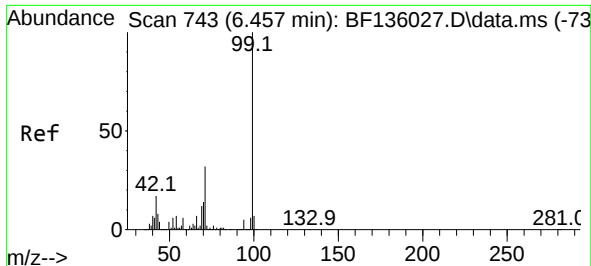
Tgt Ion:112 Resp: 779005  
Ion Ratio Lower Upper  
112 100  
64 59.0 43.9 65.9  
63 31.4 22.4 33.6



#6  
Aniline  
Concen: 27.950 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion: 93 Resp: 299326  
Ion Ratio Lower Upper  
93 100  
66 41.5 32.4 48.6  
65 21.5 16.2 24.2

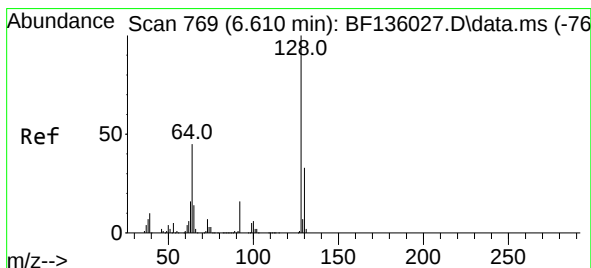
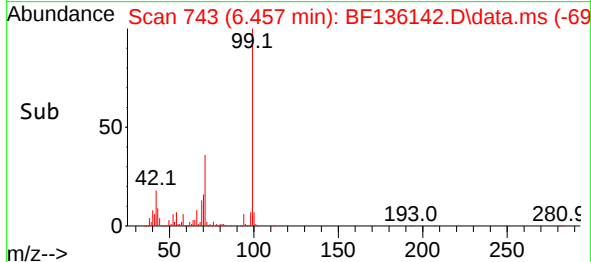
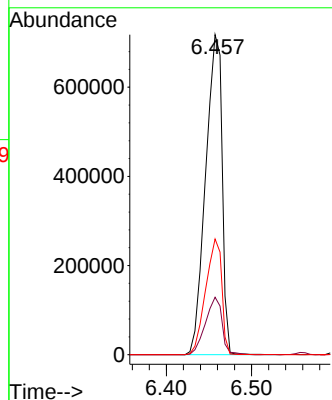
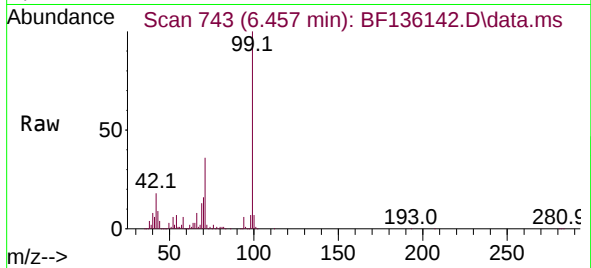




#7  
Phenol-d6  
Concen: 116.659 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

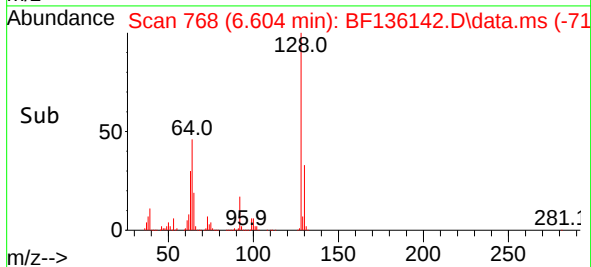
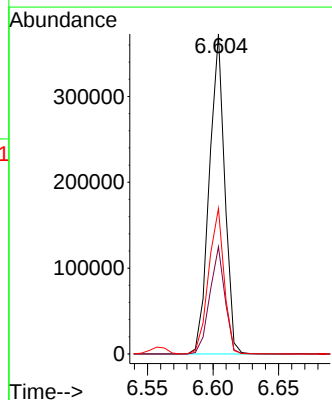
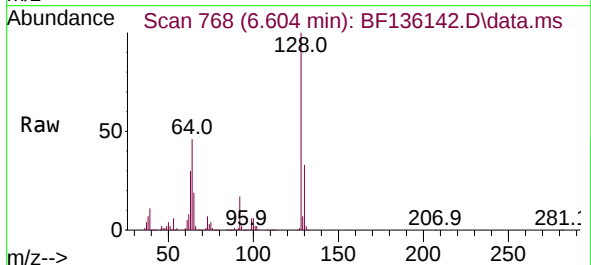
Instrument :  
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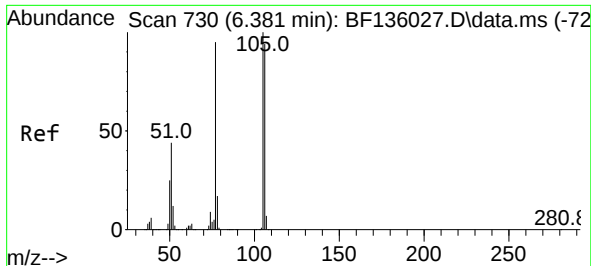
Tgt Ion: 99 Resp: 964972  
Ion Ratio Lower Upper  
99 100  
42 18.0 13.7 20.5  
71 36.2 25.9 38.9



#8  
2-Chlorophenol  
Concen: 42.933 ng  
RT: 6.604 min Scan# 768  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:128 Resp: 304731  
Ion Ratio Lower Upper  
128 100  
130 33.5 12.8 52.8  
64 45.5 25.8 65.8





#9

Benzaldehyde

Concen: 7.586 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

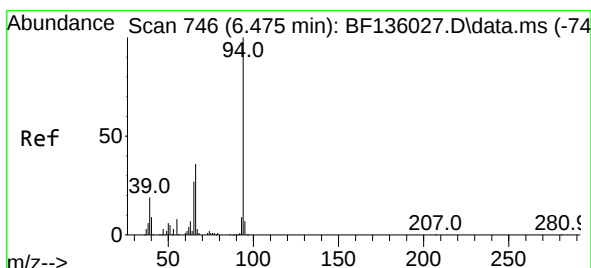
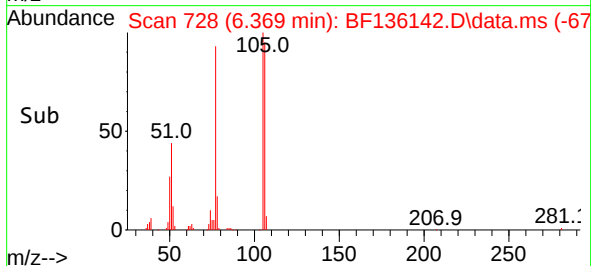
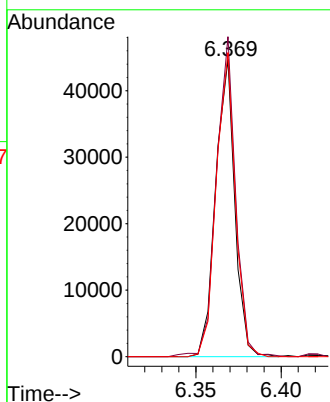
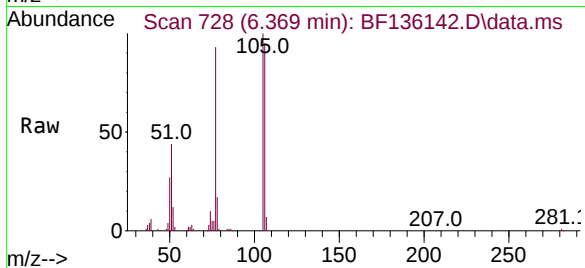
Tgt Ion: 77 Resp: 34989

Ion Ratio Lower Upper

77 100

105 107.6 85.7 125.7

106 102.3 79.8 119.8



#10

Phenol

Concen: 42.538 ng

RT: 6.475 min Scan# 746

Delta R.T. 0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

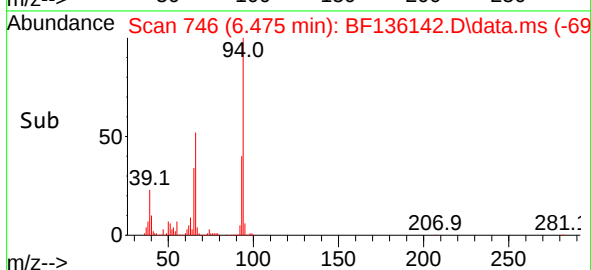
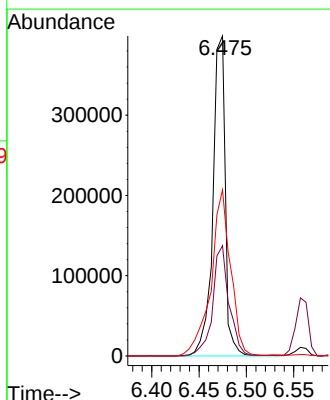
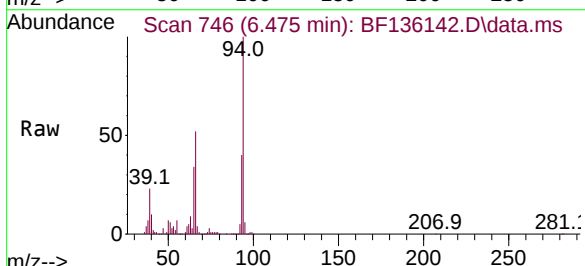
Tgt Ion: 94 Resp: 363939

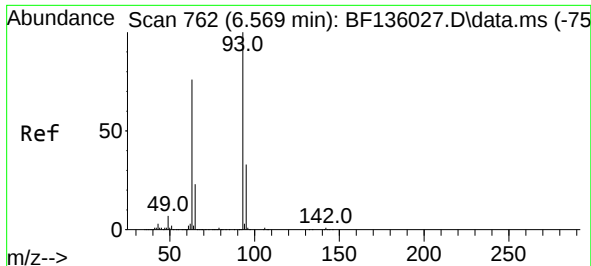
Ion Ratio Lower Upper

94 100

65 34.4 7.5 47.5

66 51.9 17.1 57.1





#11

bis(2-Chloroethyl)ether

Concen: 41.498 ng

RT: 6.557 min Scan# 708

Delta R.T. -0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

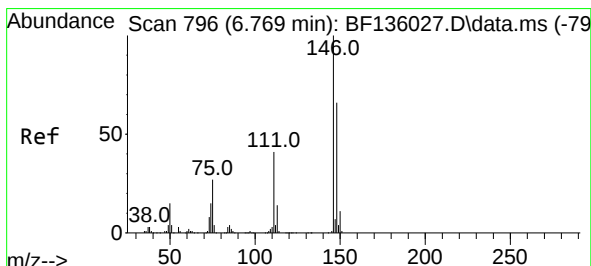
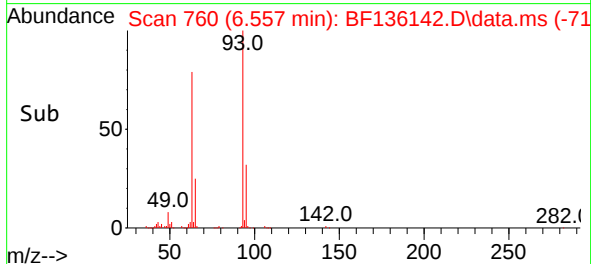
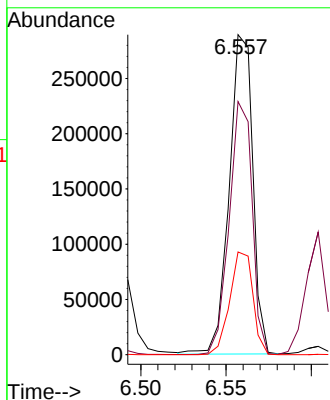
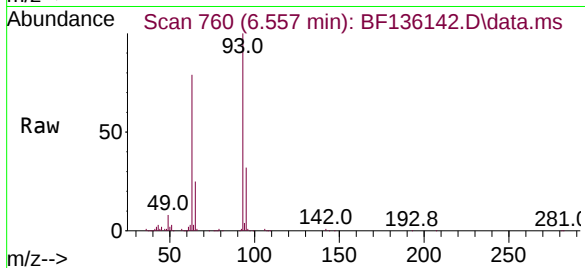
Tgt Ion: 93 Resp: 277944

Ion Ratio Lower Upper

93 100

63 79.1 55.8 95.8

95 32.1 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 42.845 ng

RT: 6.839 min Scan# 808

Delta R.T. 0.076 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

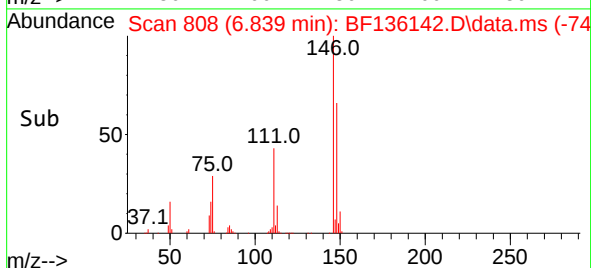
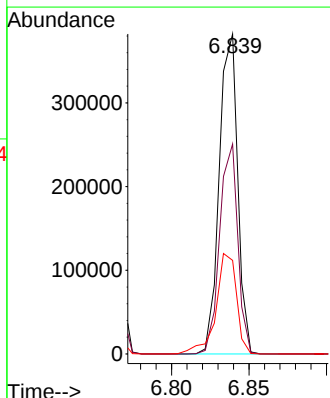
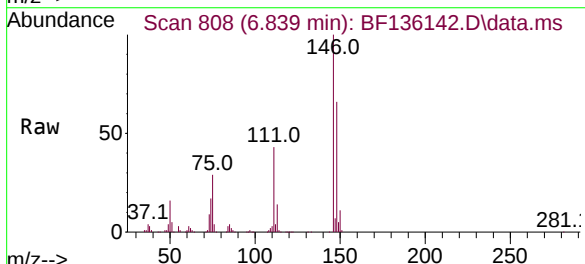
Tgt Ion:146 Resp: 316514

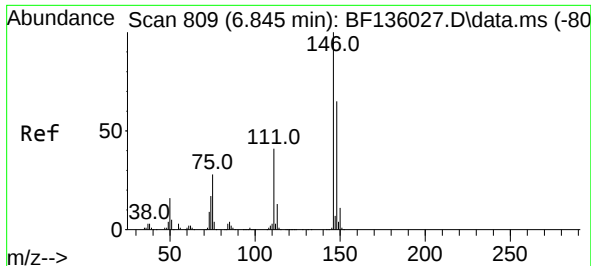
Ion Ratio Lower Upper

146 100

148 65.6 52.6 78.8

75 29.3 21.6 32.4





#13

1,4-Dichlorobenzene

Concen: 42.753 ng

RT: 6.839 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

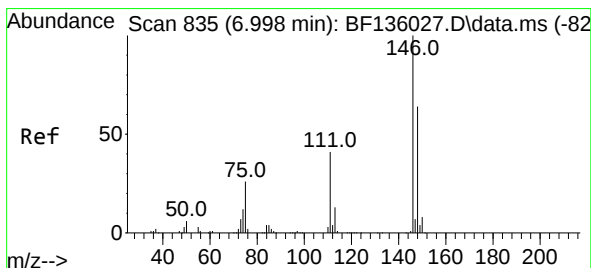
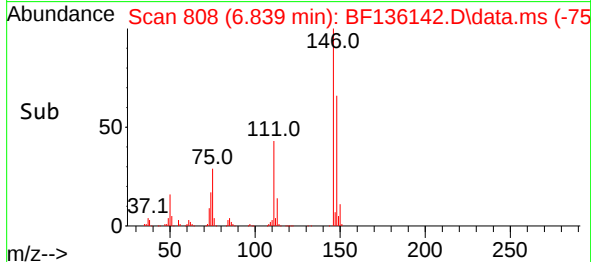
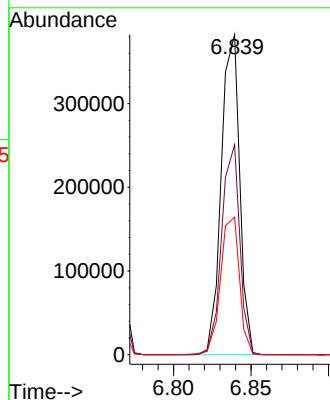
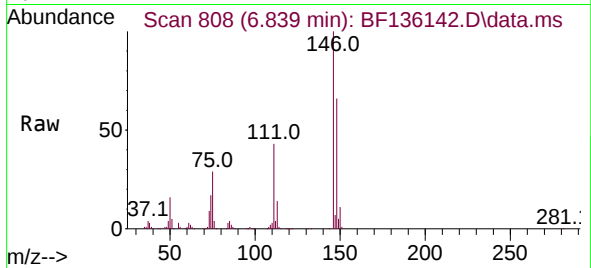
Tgt Ion:146 Resp: 316514

Ion Ratio Lower Upper

146 100

148 65.6 52.1 78.1

111 43.0 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 44.436 ng

RT: 6.986 min Scan# 833

Delta R.T. -0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

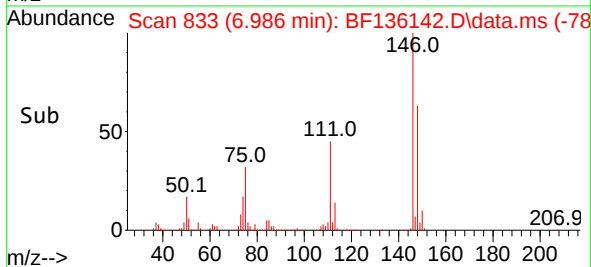
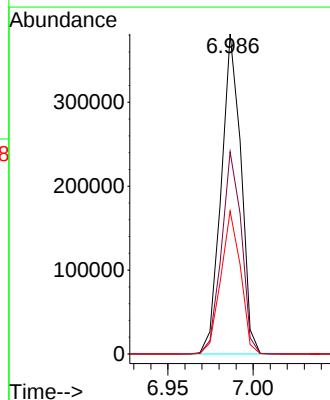
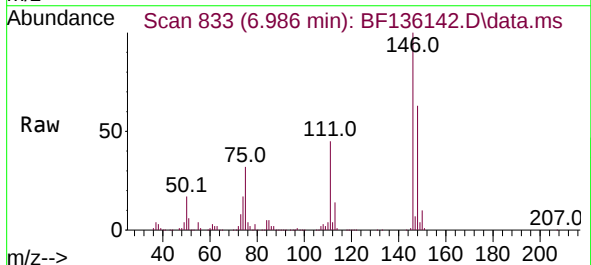
Tgt Ion:146 Resp: 307608

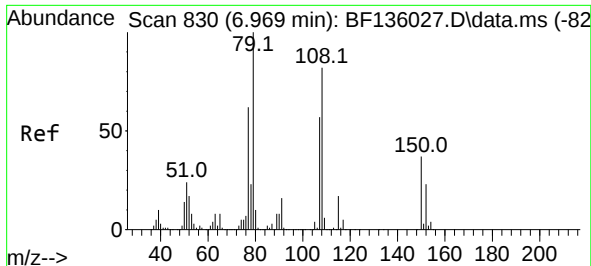
Ion Ratio Lower Upper

146 100

148 63.2 51.4 77.2

111 44.7 33.0 49.4

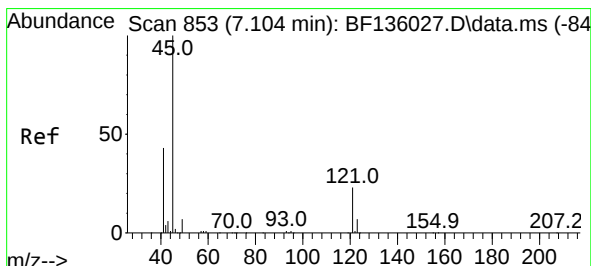
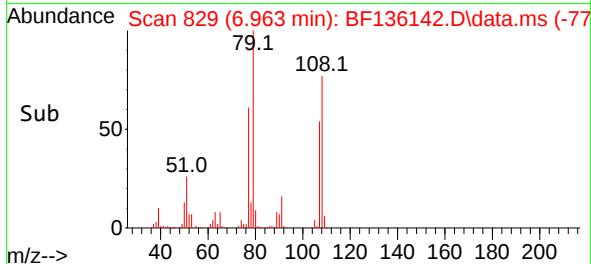
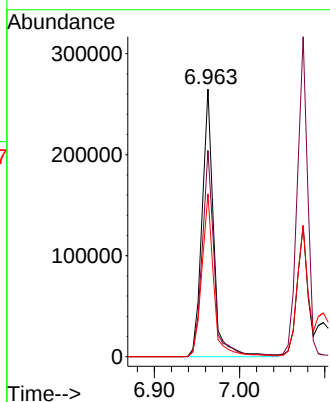
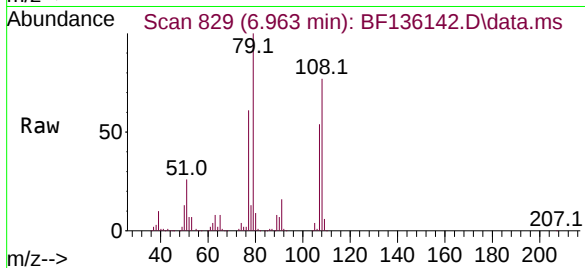




#15  
Benzyl Alcohol  
Concen: 42.711 ng  
RT: 6.963 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

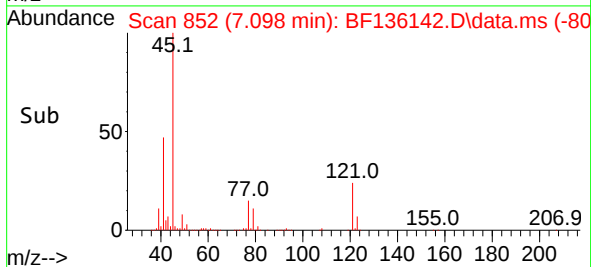
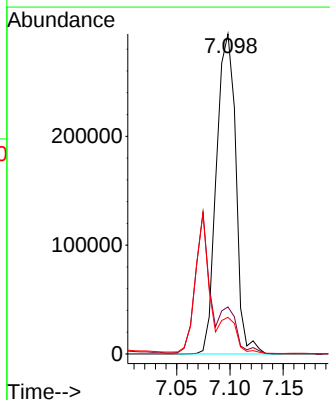
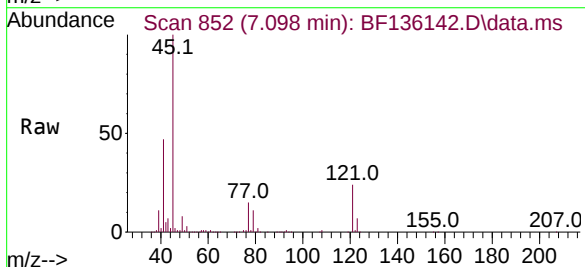
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

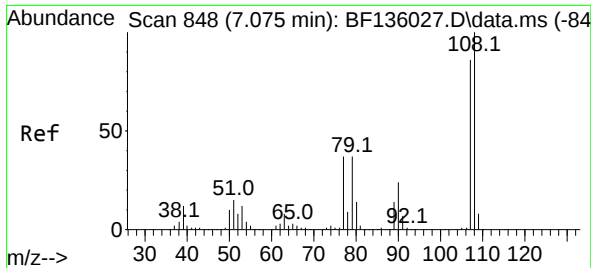
Tgt Ion: 79 Resp: 250506  
Ion Ratio Lower Upper  
79 100  
108 77.1 65.9 98.9  
77 60.9 49.4 74.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.153 ng  
RT: 7.098 min Scan# 852  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion: 45 Resp: 370174  
Ion Ratio Lower Upper  
45 100  
77 14.7 0.0 34.6  
79 11.5 0.0 30.6



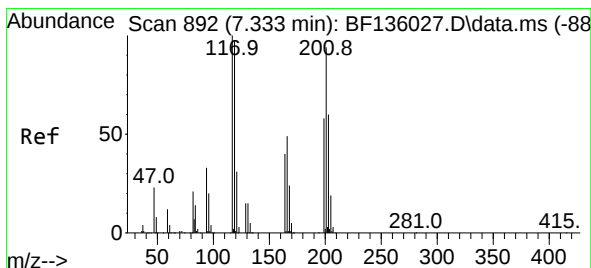
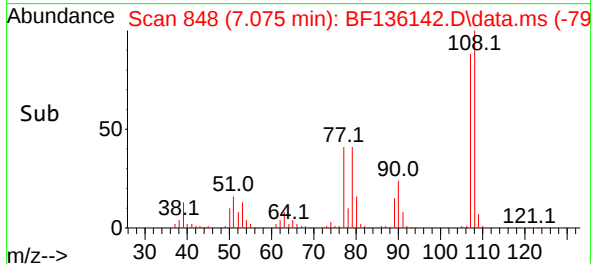
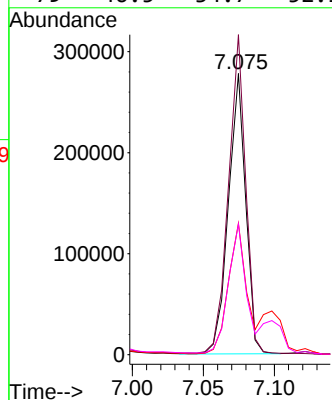
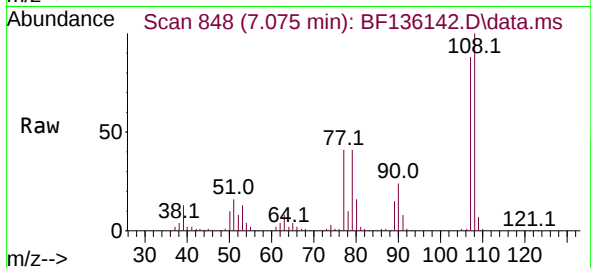


#17  
2-Methylphenol  
Concen: 39.172 ng  
RT: 7.075 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

Tgt Ion:107 Resp: 235869

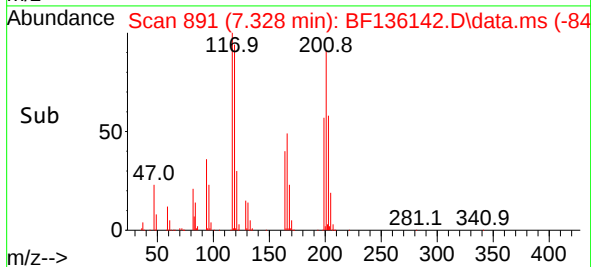
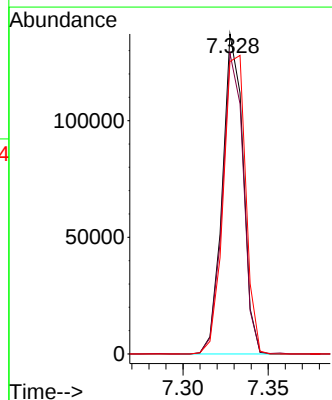
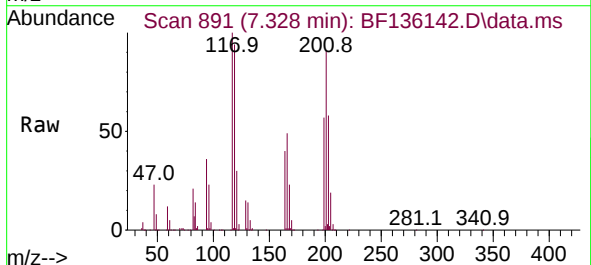
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 113.8 | 93.4  | 140.2 |
| 77  | 46.7  | 34.4  | 51.6  |
| 79  | 46.5  | 34.7  | 52.1  |

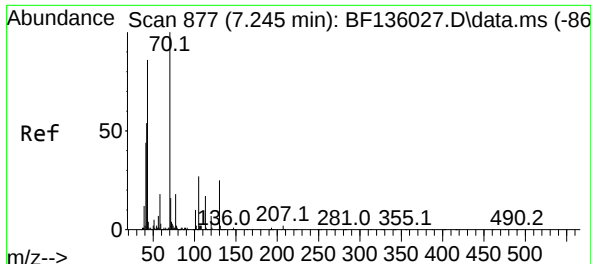


#18  
Hexachloroethane  
Concen: 44.534 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:117 Resp: 115881

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 93.9  | 77.7  | 116.5 |
| 201 | 91.4  | 75.0  | 112.6 |

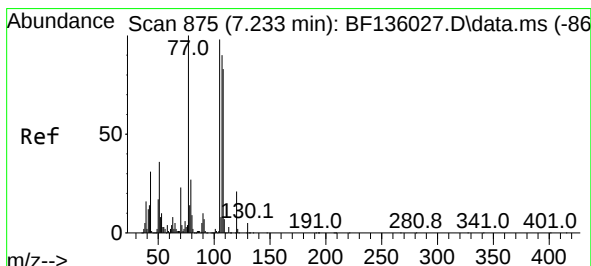
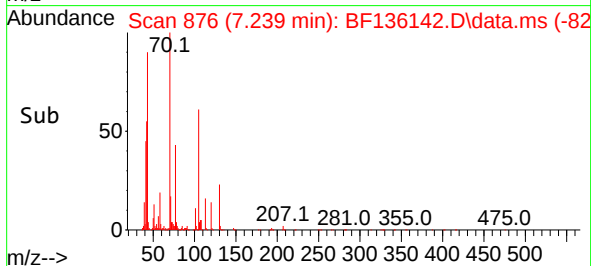
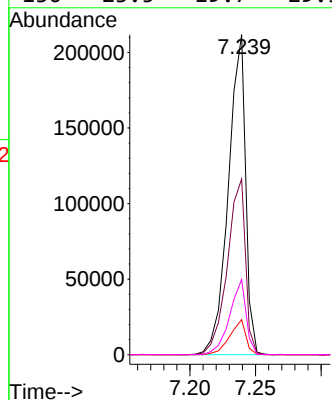
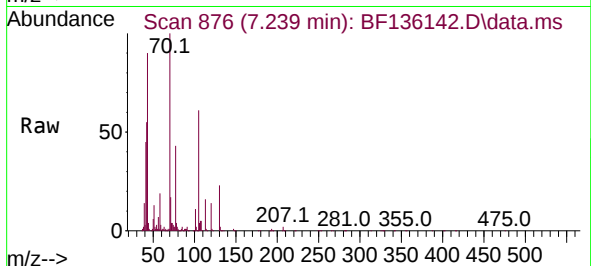




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.106 ng  
RT: 7.239 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

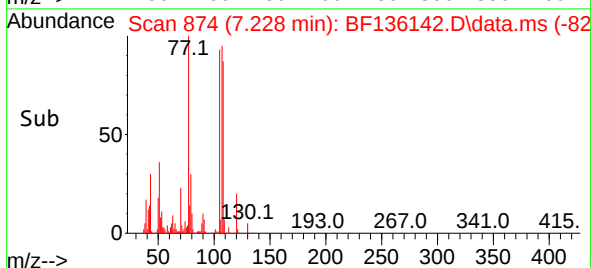
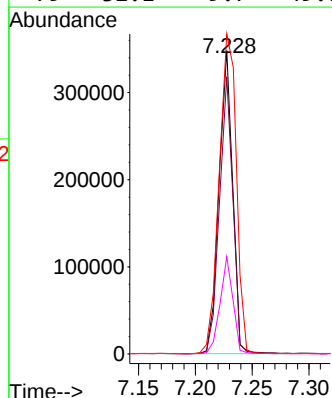
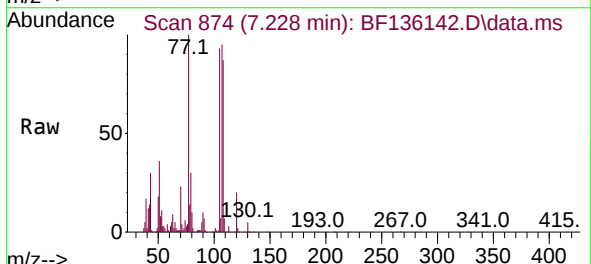
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

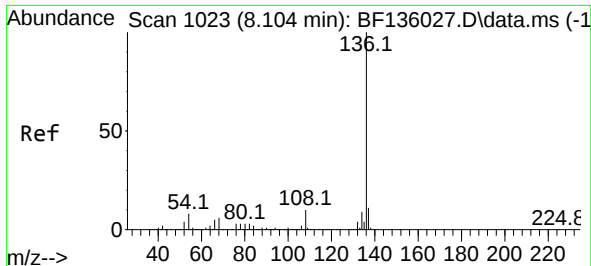
Tgt Ion: 70 Resp: 194279  
Ion Ratio Lower Upper  
70 100  
42 54.9 43.0 64.4  
101 11.0 8.0 12.0  
130 23.5 19.7 29.5



#20  
3+4-Methylphenols  
Concen: 39.601 ng  
RT: 7.228 min Scan# 874  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:107 Resp: 290769  
Ion Ratio Lower Upper  
107 100  
108 91.4 72.3 112.3  
77 105.5 91.4 131.4  
79 32.1 9.7 49.7



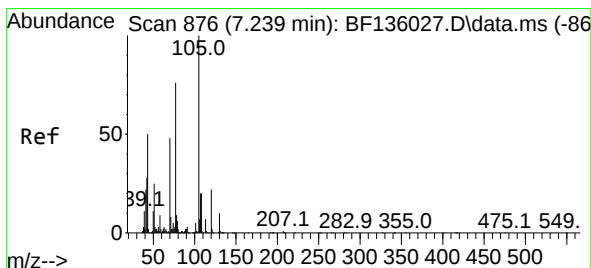
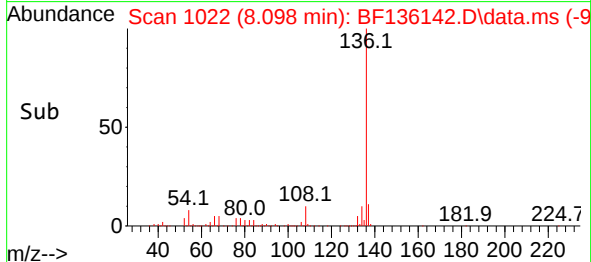
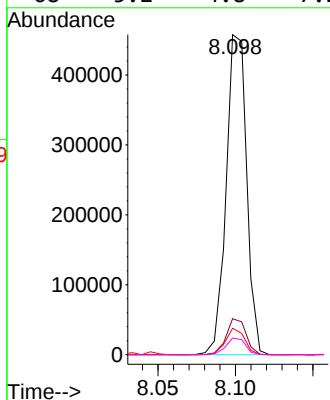
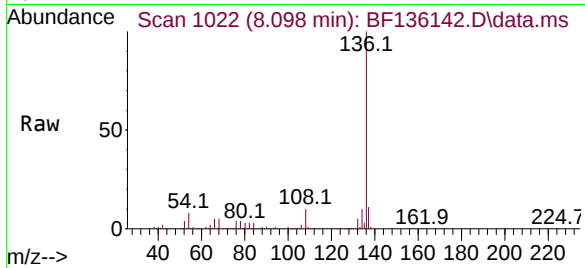


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

Tgt Ion:136 Resp: 421150

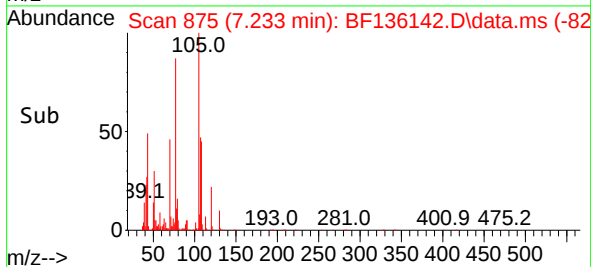
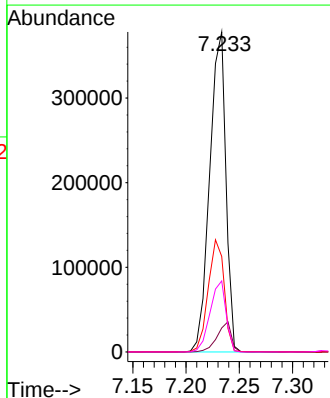
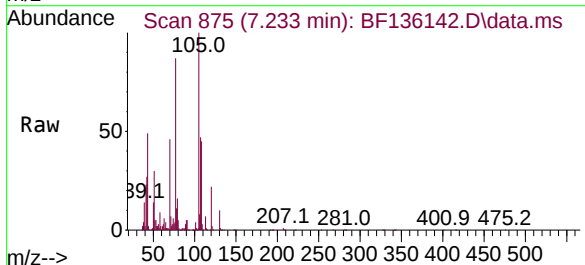
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.6   | 13.0  |
| 54  | 8.3   | 6.6   | 9.8   |
| 68  | 5.2   | 4.8   | 7.2   |

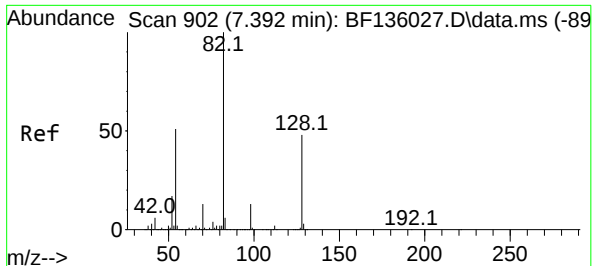


#22  
Acetophenone  
Concen: 42.855 ng  
RT: 7.233 min Scan# 875  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:105 Resp: 400208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 7.5   | 6.5   | 9.7   |
| 51  | 29.9  | 20.3  | 30.5  |
| 120 | 22.2  | 17.8  | 26.8  |





#23

Nitrobenzene-d5

Concen: 83.522 ng

RT: 7.386 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

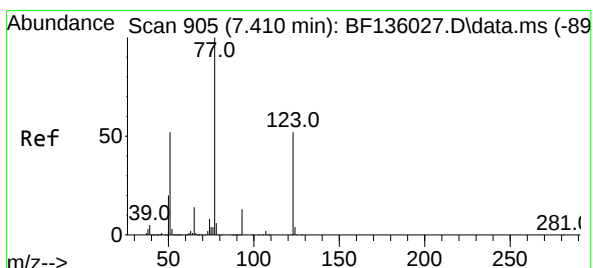
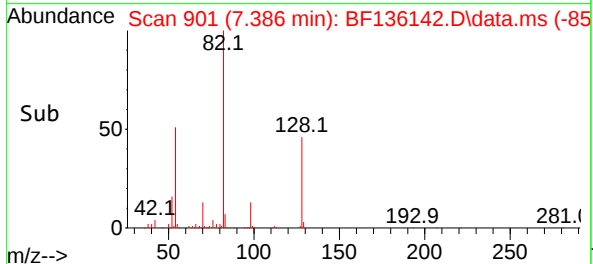
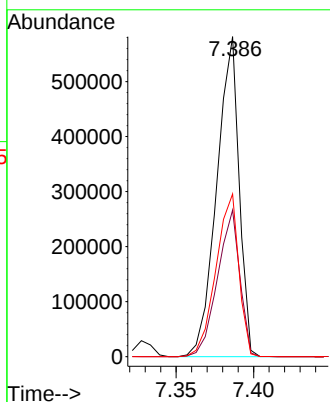
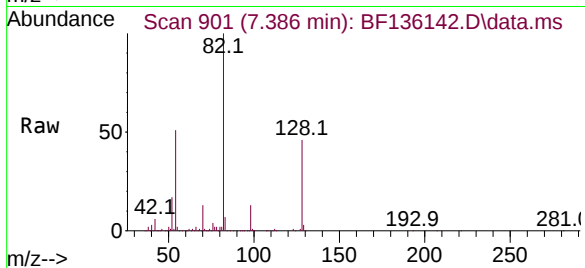
Tgt Ion: 82 Resp: 583504

Ion Ratio Lower Upper

82 100

128 45.8 38.6 57.8

54 50.9 40.8 61.2



#24

Nitrobenzene

Concen: 42.265 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

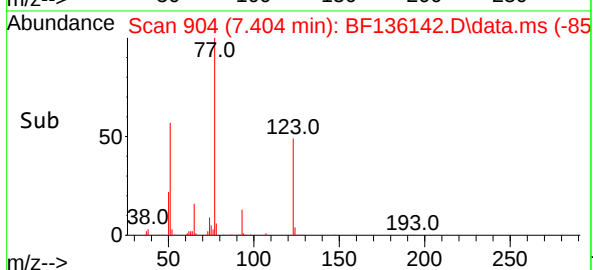
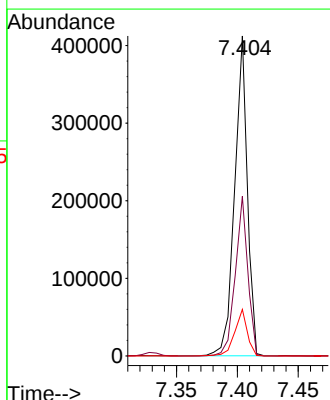
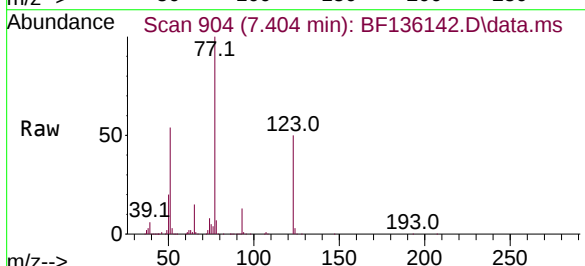
Tgt Ion: 77 Resp: 298678

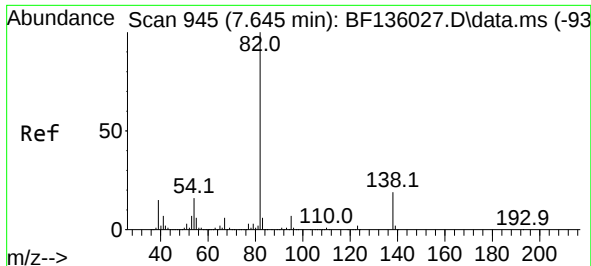
Ion Ratio Lower Upper

77 100

123 49.9 42.3 63.5

65 14.6 11.0 16.6

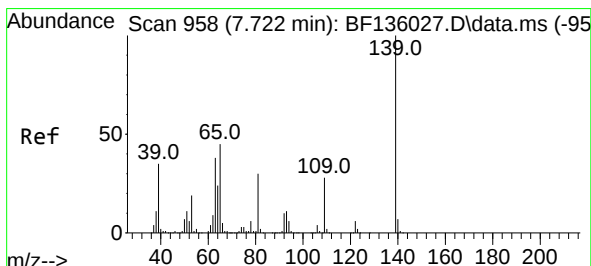
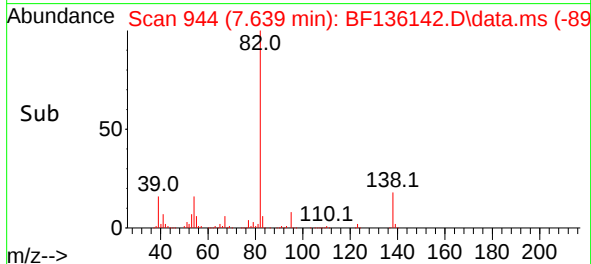
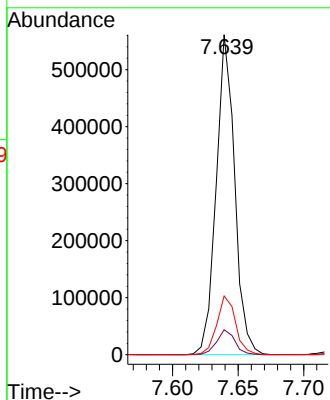
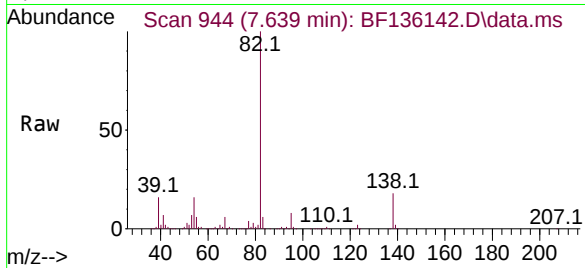




#25  
Isophorone  
Concen: 41.612 ng  
RT: 7.639 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

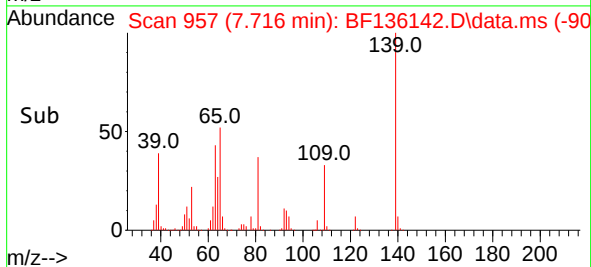
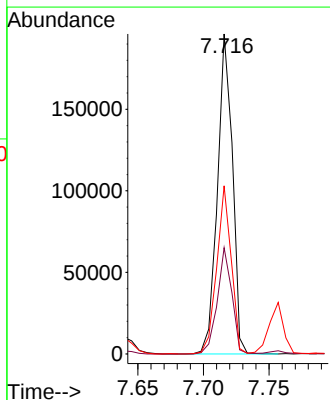
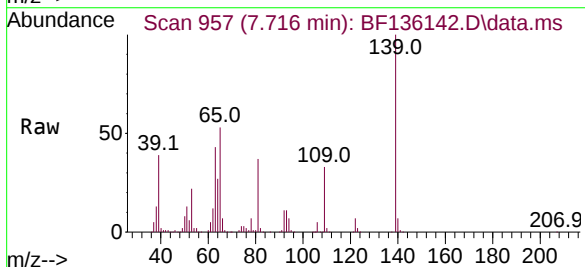
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

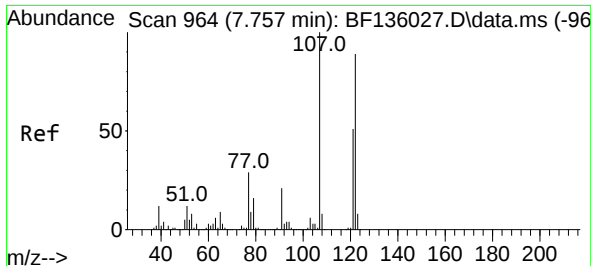
Tgt Ion: 82 Resp: 548839  
Ion Ratio Lower Upper  
82 100  
95 7.8 5.9 8.9  
138 18.3 15.3 22.9



#26  
2-Nitrophenol  
Concen: 48.074 ng  
RT: 7.716 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:139 Resp: 155002  
Ion Ratio Lower Upper  
139 100  
109 33.2 22.6 34.0  
65 52.6 36.3 54.5

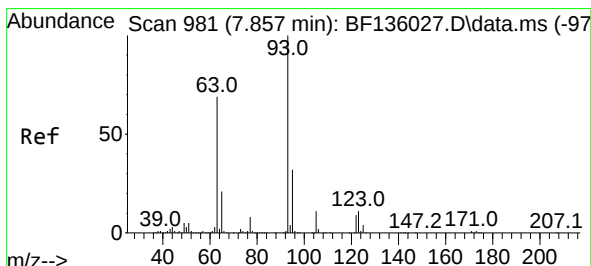
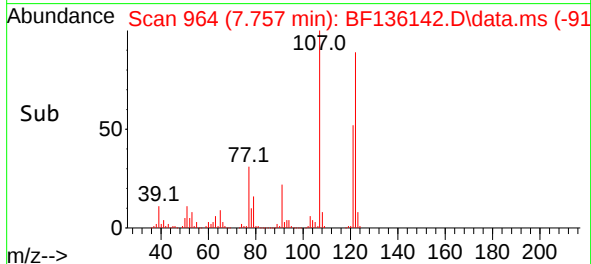
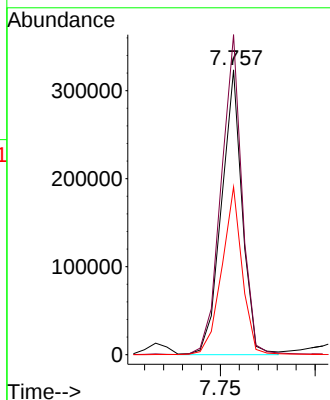
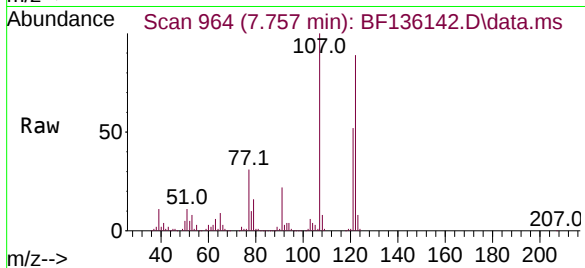




#27  
2,4-Dimethylphenol  
Concen: 40.309 ng  
RT: 7.757 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

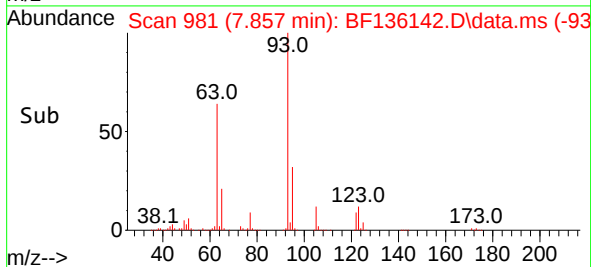
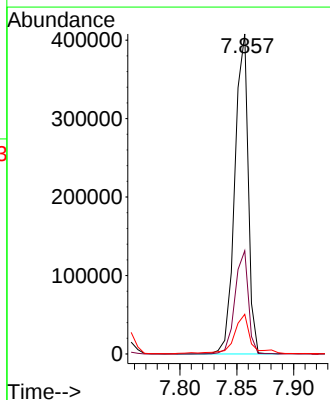
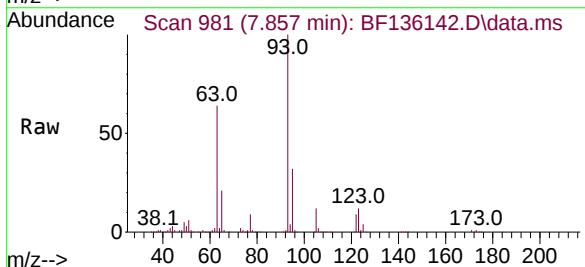
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

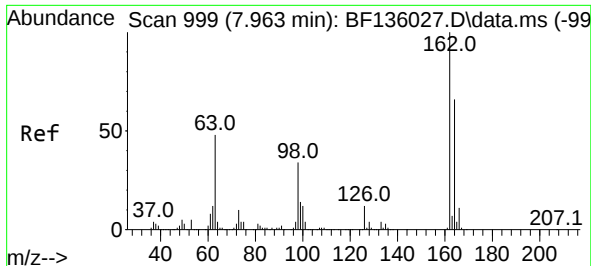
Tgt Ion:122 Resp: 245591  
Ion Ratio Lower Upper  
122 100  
107 112.4 89.6 134.4  
121 58.9 46.0 69.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.139 ng  
RT: 7.857 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion: 93 Resp: 332454  
Ion Ratio Lower Upper  
93 100  
95 32.2 25.7 38.5  
123 12.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 43.120 ng

RT: 7.957 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

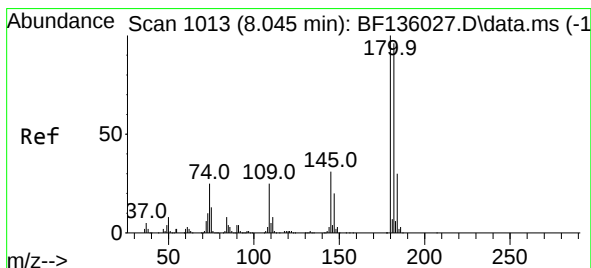
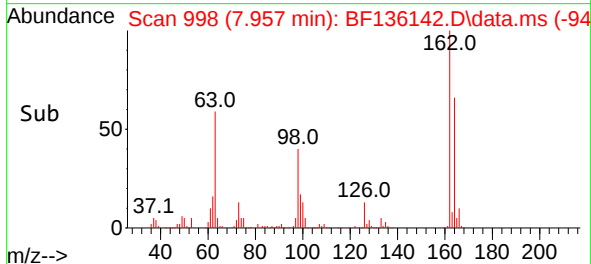
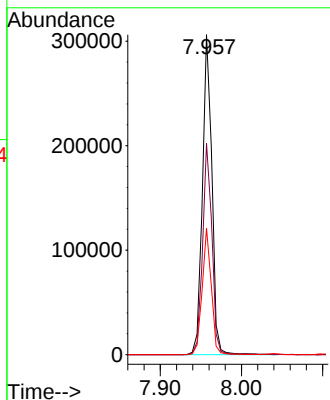
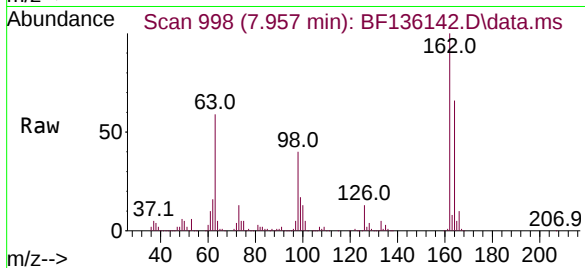
Tgt Ion:162 Resp: 247670

Ion Ratio Lower Upper

162 100

164 66.1 45.5 85.5

98 39.5 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 43.275 ng

RT: 8.039 min Scan# 1012

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

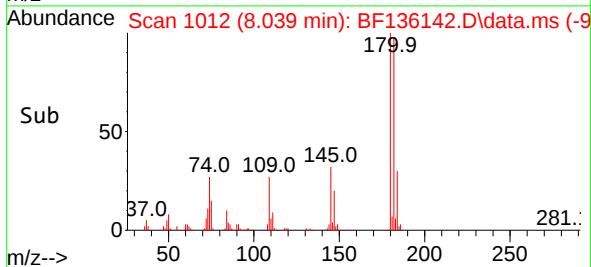
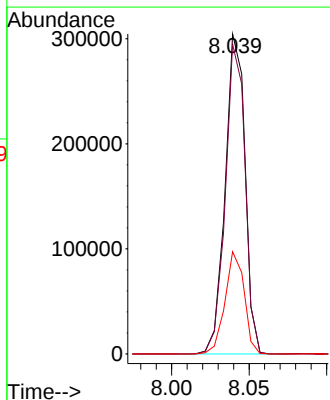
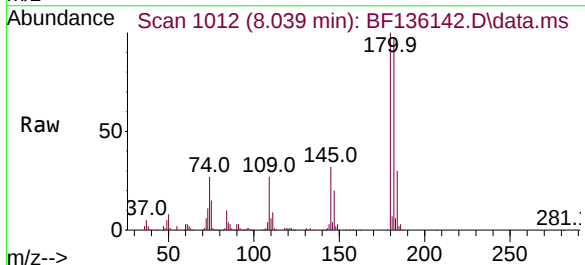
Tgt Ion:180 Resp: 271151

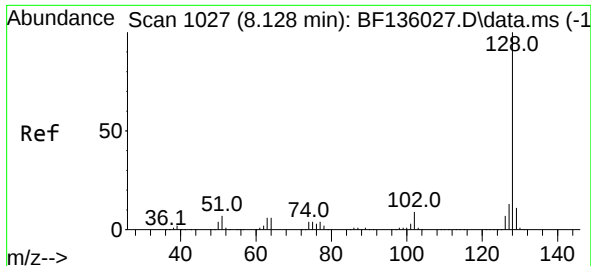
Ion Ratio Lower Upper

180 100

182 96.8 76.9 115.3

145 31.9 24.7 37.1

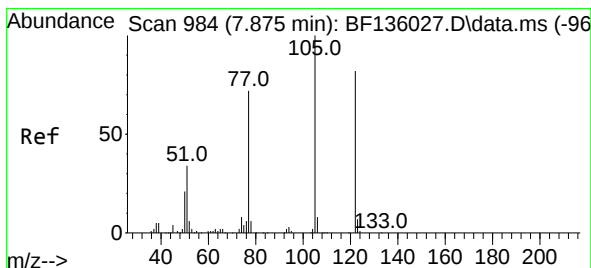
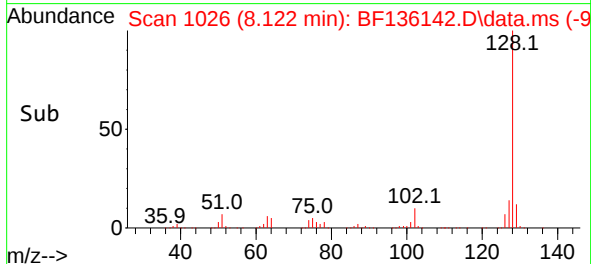
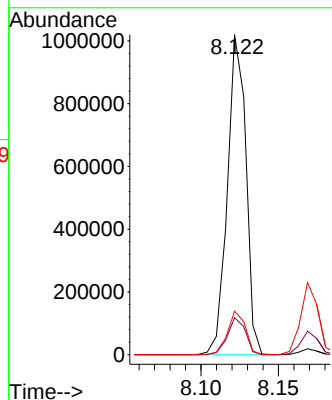
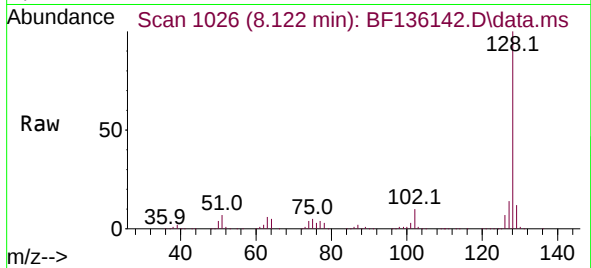




#31  
Naphthalene  
Concen: 41.754 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

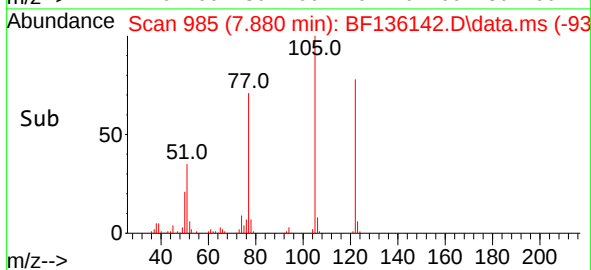
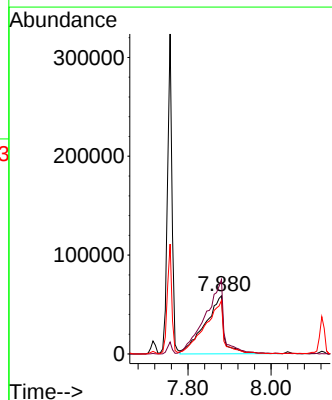
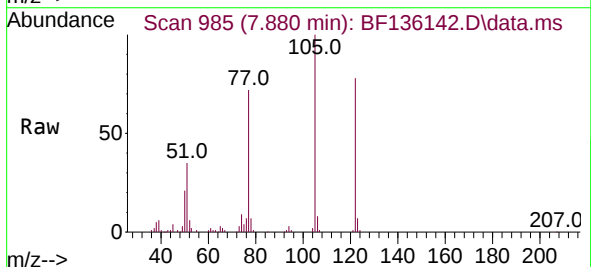
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

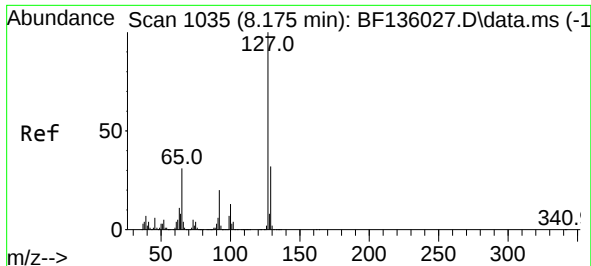
Tgt Ion:128 Resp: 847973  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.9 13.3  
127 13.6 10.5 15.7



#32  
Benzoic acid  
Concen: 40.260 ng  
RT: 7.880 min Scan# 985  
Delta R.T. 0.012 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:122 Resp: 191997  
Ion Ratio Lower Upper  
122 100  
105 128.1 99.5 139.5  
77 91.9 66.8 106.8

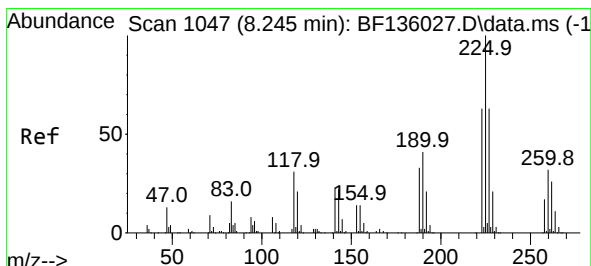
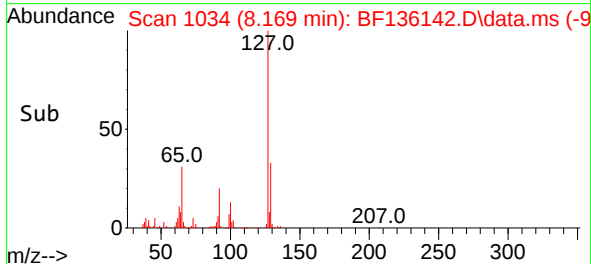
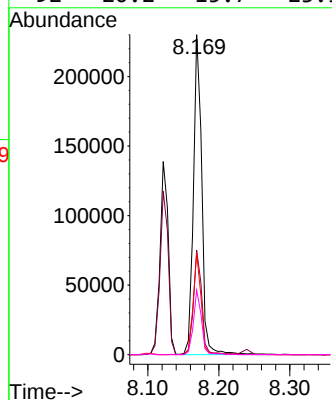
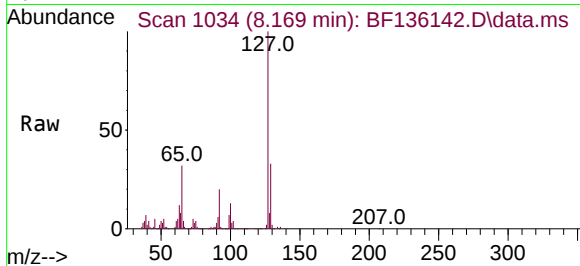




#33  
4-Chloroaniline  
Concen: 21.212 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

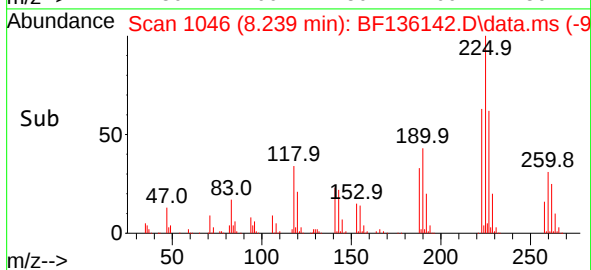
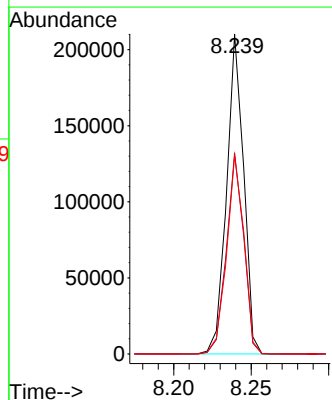
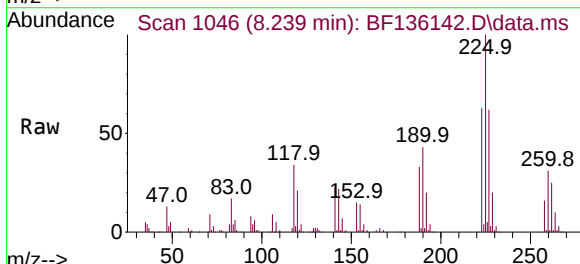
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

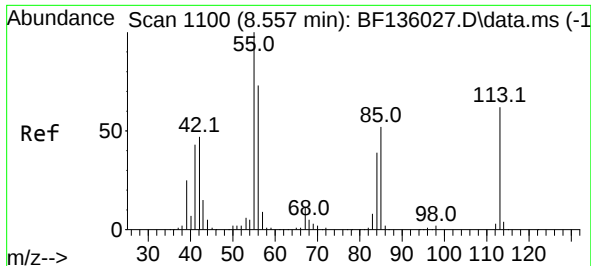
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 188656 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.7  | 25.9  | 38.9   |
| 65       | 31.7  | 24.6  | 37.0   |
| 92       | 20.2  | 15.7  | 23.5   |



#34  
Hexachlorobutadiene  
Concen: 44.595 ng  
RT: 8.239 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 160245 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.9  | 50.3  | 75.5   |
| 227      | 62.0  | 50.6  | 75.8   |





#35

Caprolactam

Concen: 30.645 ng

RT: 8.545 min Scan# 1100

Delta R.T. -0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

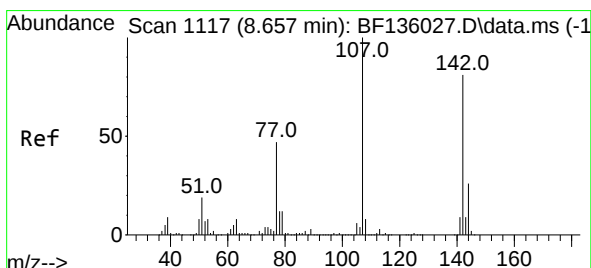
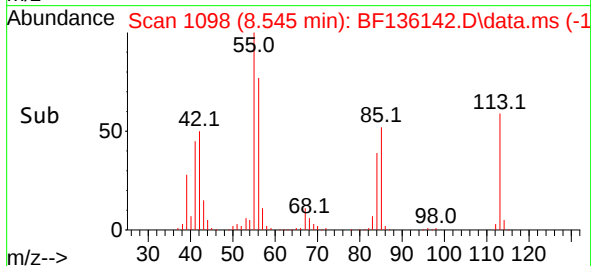
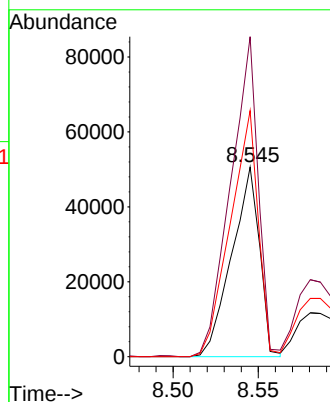
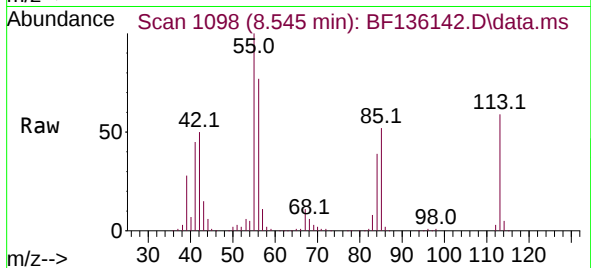
Tgt Ion:113 Resp: 57233

Ion Ratio Lower Upper

113 100

55 168.8 142.2 182.2

56 129.8 97.7 137.7



#36

4-Chloro-3-methylphenol

Concen: 44.903 ng

RT: 8.657 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

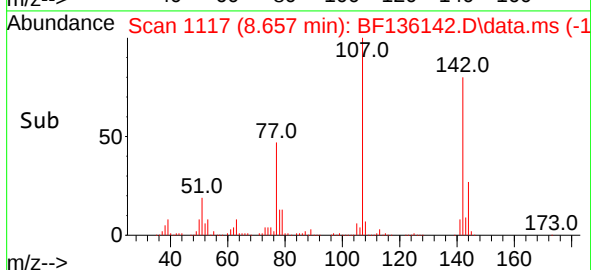
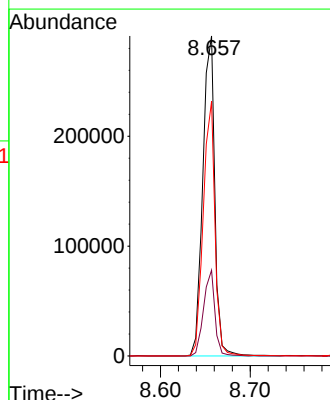
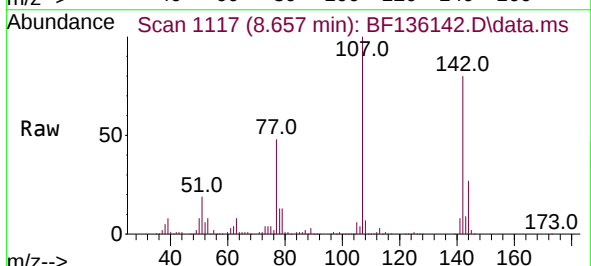
Tgt Ion:107 Resp: 270767

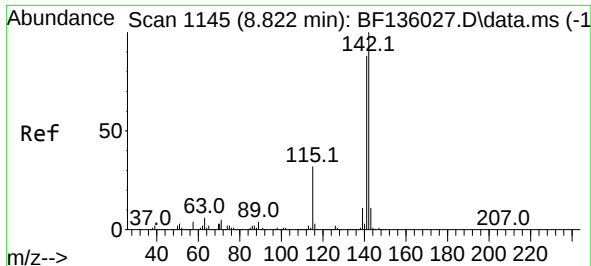
Ion Ratio Lower Upper

107 100

144 26.8 20.6 31.0

142 79.6 64.6 97.0

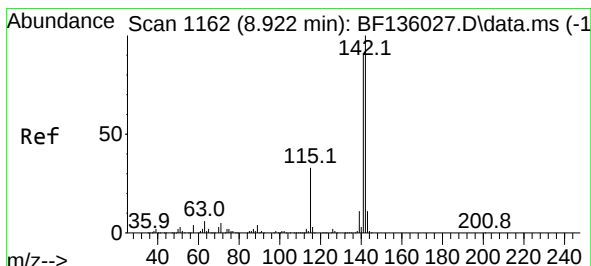
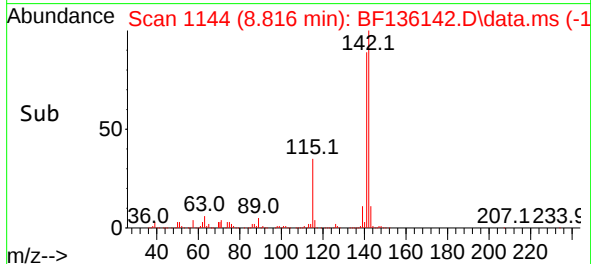
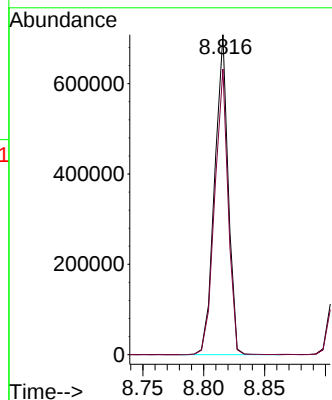
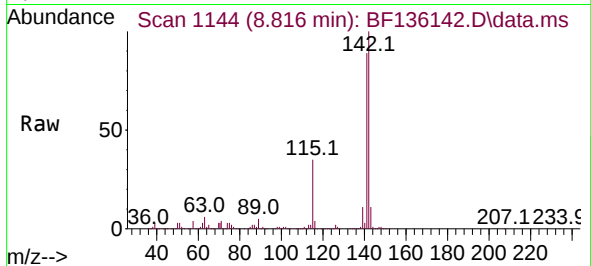




#37  
2-Methylnaphthalene  
Concen: 40.432 ng  
RT: 8.816 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

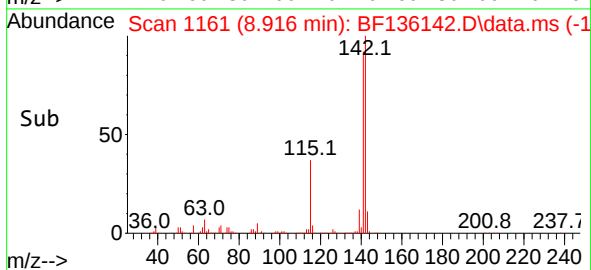
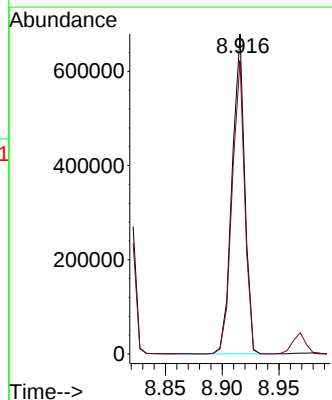
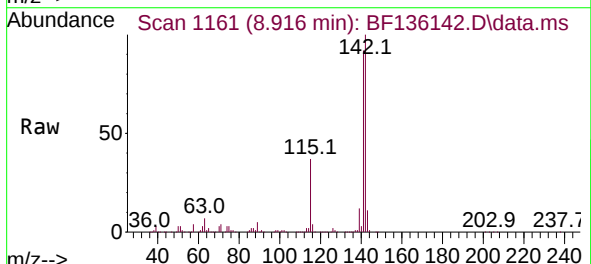
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

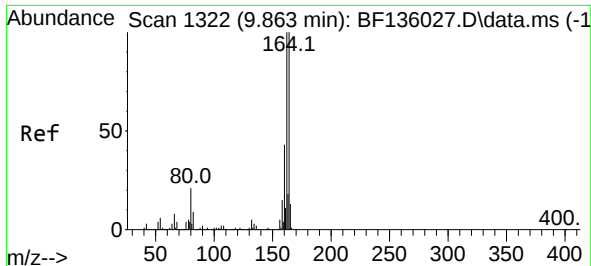
Tgt Ion:142 Resp: 550576  
Ion Ratio Lower Upper  
142 100  
141 89.2 70.4 105.6



#38  
1-Methylnaphthalene  
Concen: 41.545 ng  
RT: 8.916 min Scan# 1161  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:142 Resp: 526476  
Ion Ratio Lower Upper  
142 100  
141 91.8 72.6 109.0

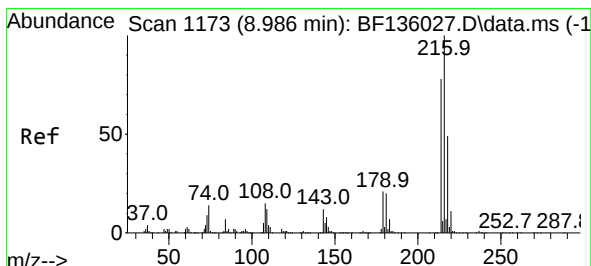
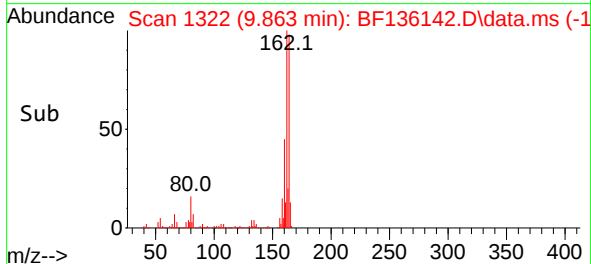
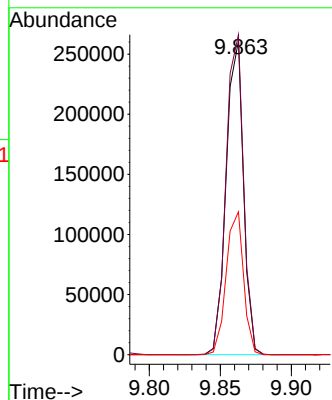
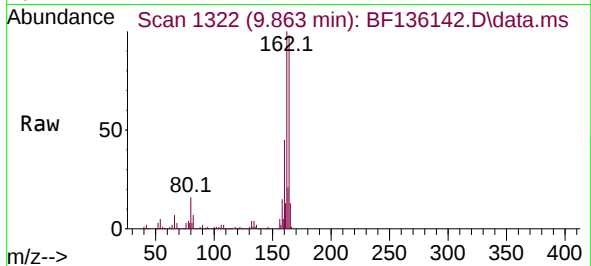




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

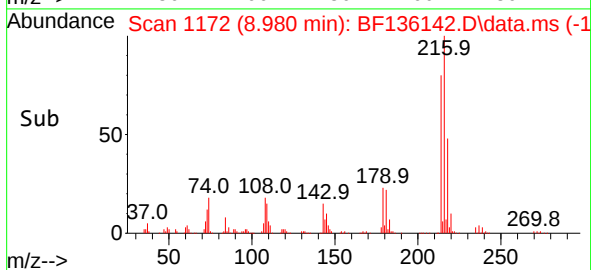
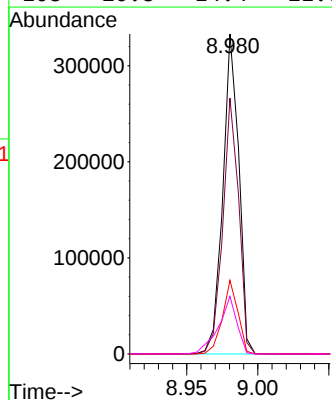
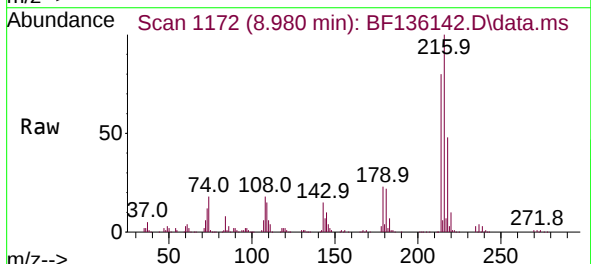
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

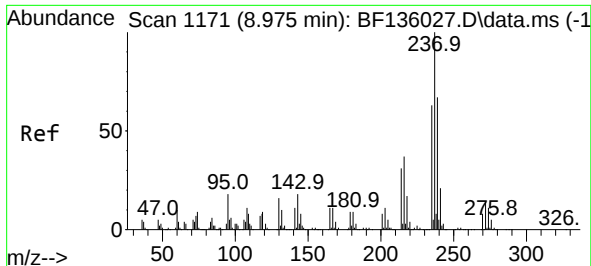
Tgt Ion:164 Resp: 221528  
Ion Ratio Lower Upper  
164 100  
162 102.0 80.1 120.1  
160 45.5 34.8 52.2



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.024 ng  
RT: 8.980 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:216 Resp: 259183  
Ion Ratio Lower Upper  
216 100  
214 79.4 63.8 95.6  
179 22.4 17.5 26.3  
108 20.8 14.4 21.6

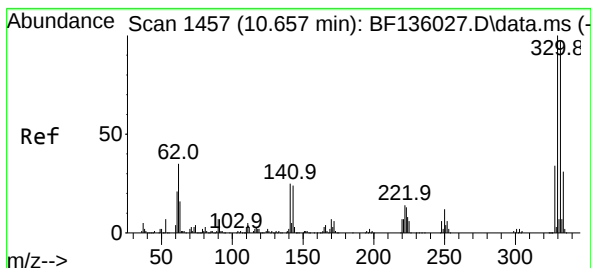
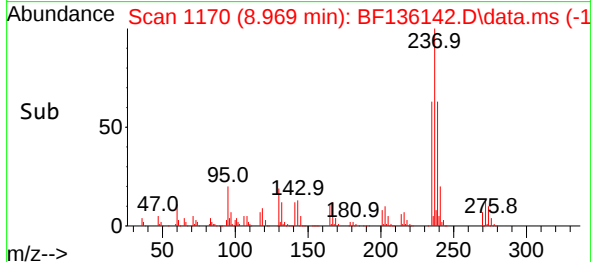
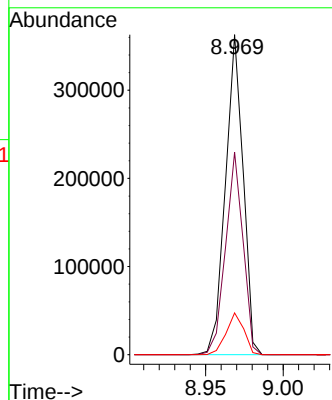
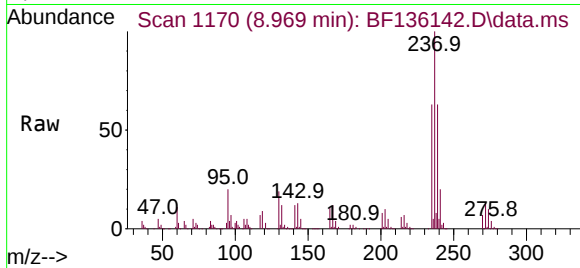




#41  
Hexachlorocyclopentadiene  
Concen: 85.172 ng  
RT: 8.969 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

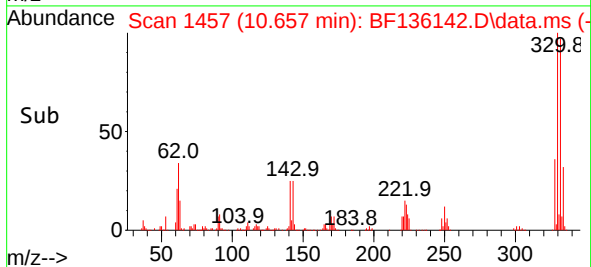
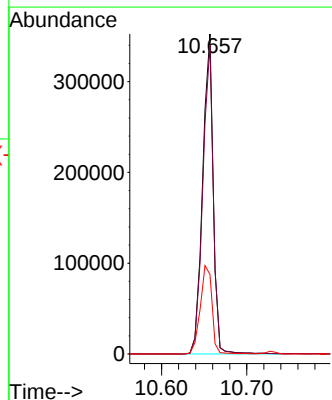
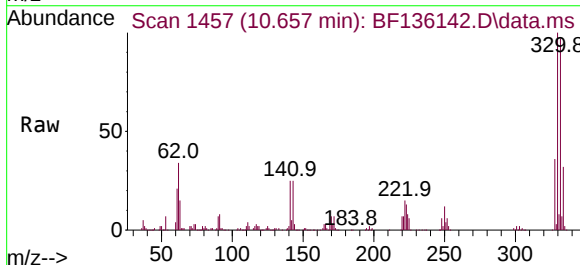
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

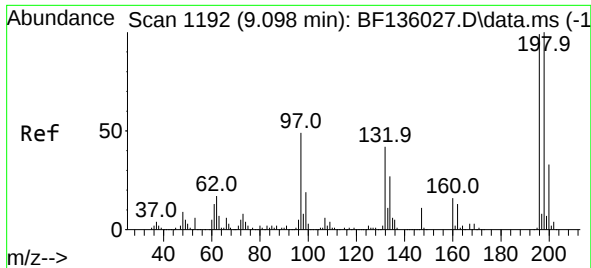
Tgt Ion:237 Resp: 287478  
Ion Ratio Lower Upper  
237 100  
235 63.3 43.3 83.3  
272 13.1 0.0 34.2



#42  
2,4,6-Tribromophenol  
Concen: 128.381 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. 0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:330 Resp: 303562  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.9 115.3  
141 30.6 23.2 34.8

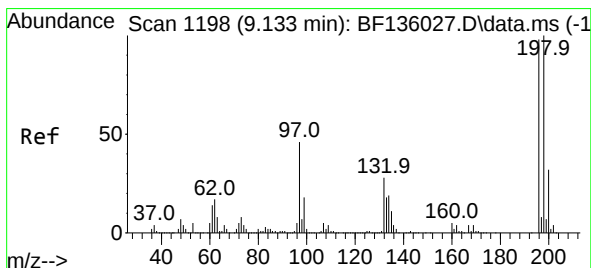
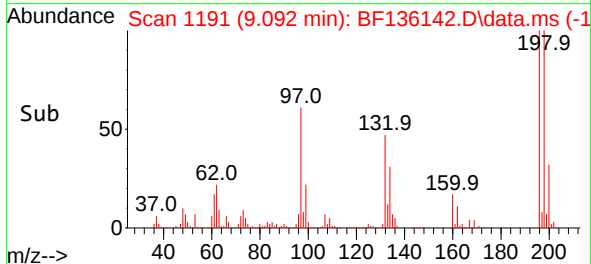
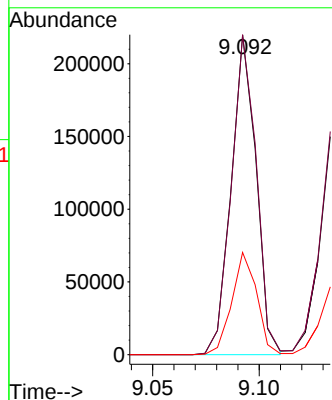
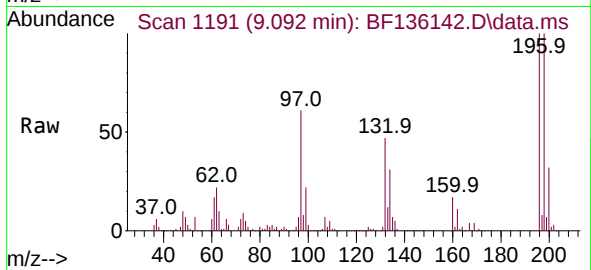




#43  
2,4,6-Trichlorophenol  
Concen: 43.331 ng  
RT: 9.092 min Scan# 1192  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

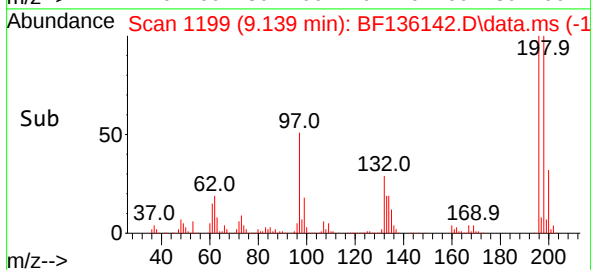
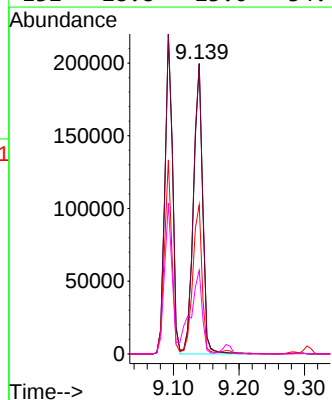
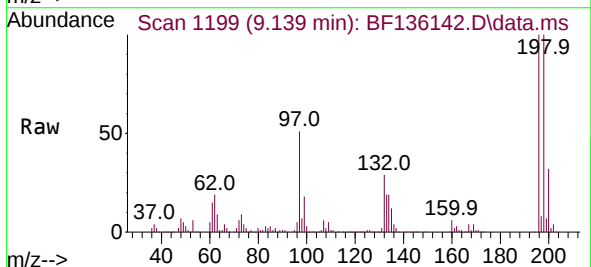
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

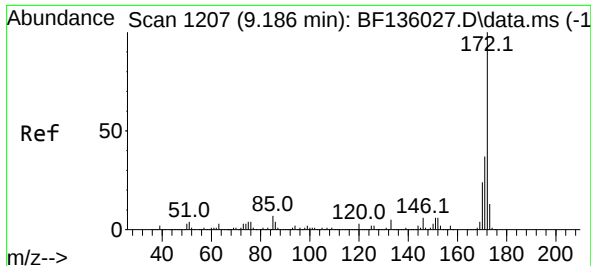
Tgt Ion:196 Resp: 178492  
Ion Ratio Lower Upper  
196 100  
198 100.1 80.7 121.1  
200 32.0 26.8 40.2



#44  
2,4,5-Trichlorophenol  
Concen: 40.743 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:196 Resp: 194413  
Ion Ratio Lower Upper  
196 100  
198 99.6 81.6 122.4  
97 51.3 38.2 57.2  
132 28.8 23.0 34.4





#45

2-Fluorobiphenyl

Concen: 79.235 ng

RT: 9.180 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

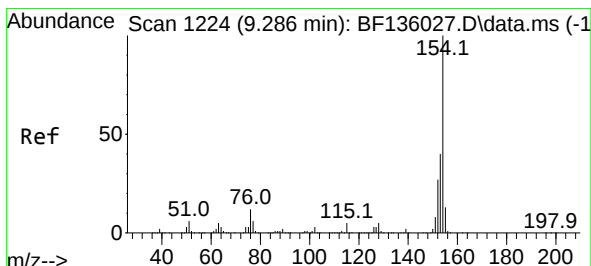
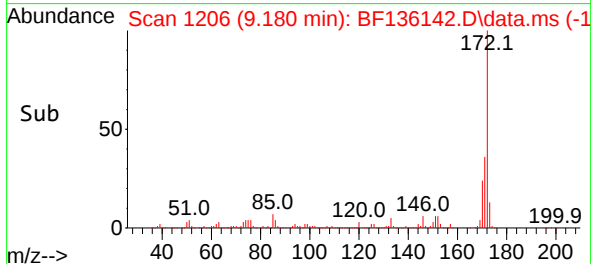
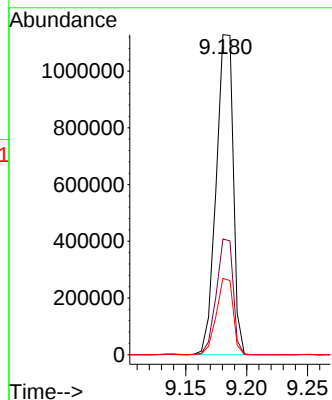
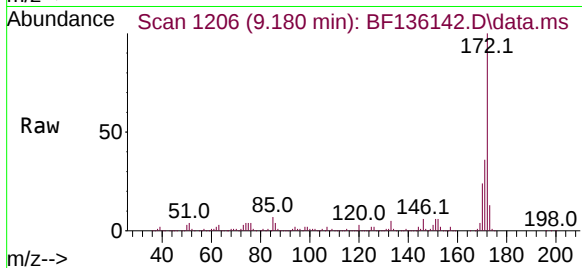
Tgt Ion:172 Resp: 1101103

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 23.8 19.3 28.9



#46

1,1'-Biphenyl

Concen: 41.290 ng

RT: 9.280 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

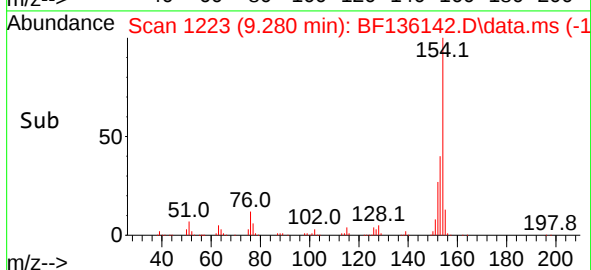
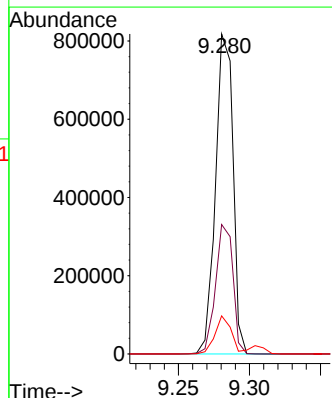
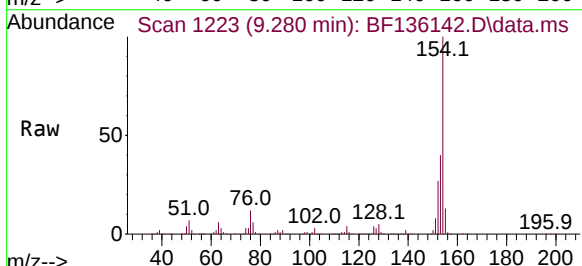
Tgt Ion:154 Resp: 697283

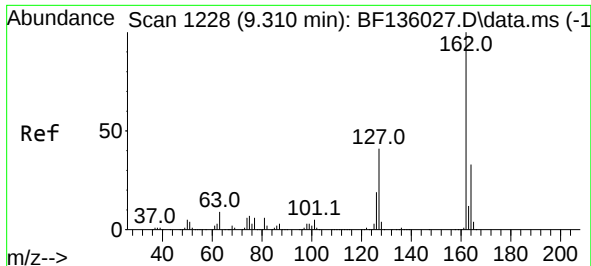
Ion Ratio Lower Upper

154 100

153 40.4 20.1 60.1

76 11.9 0.0 32.5

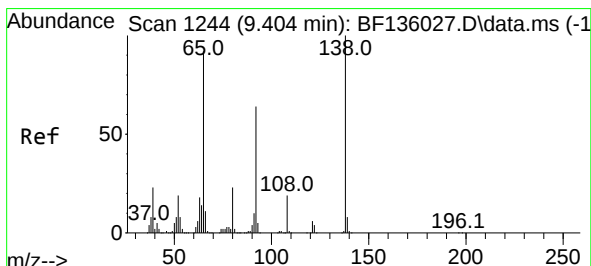
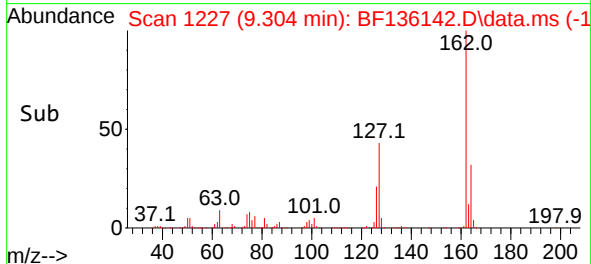
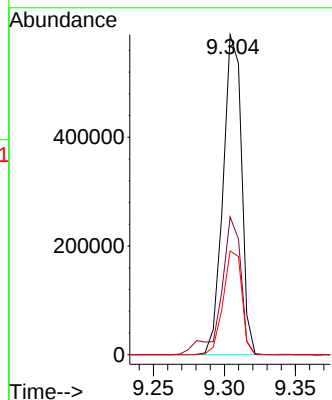
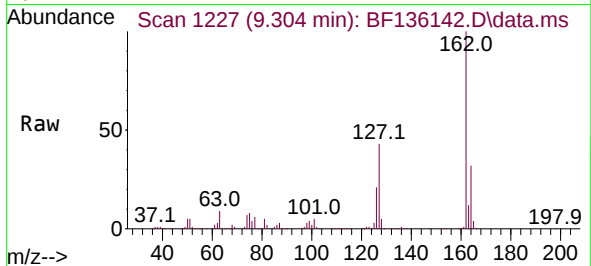




#47  
2-Chloronaphthalene  
Concen: 42.657 ng  
RT: 9.304 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

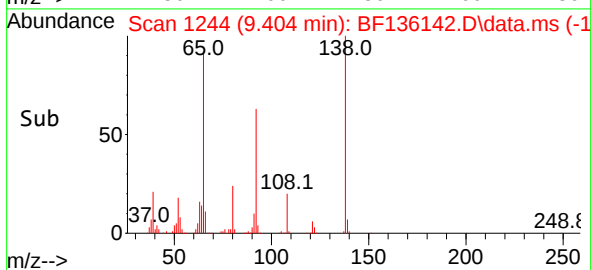
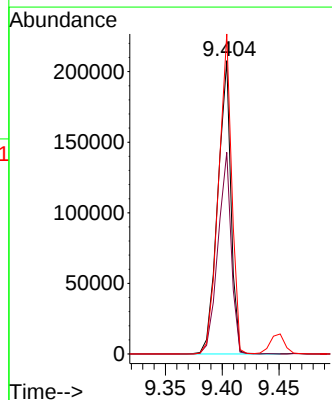
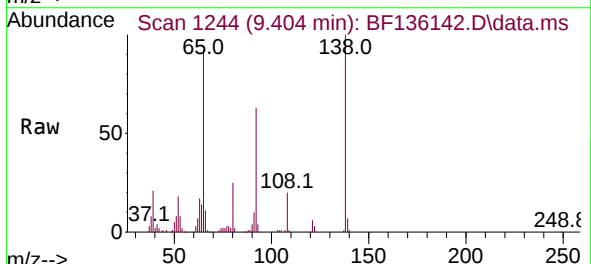
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

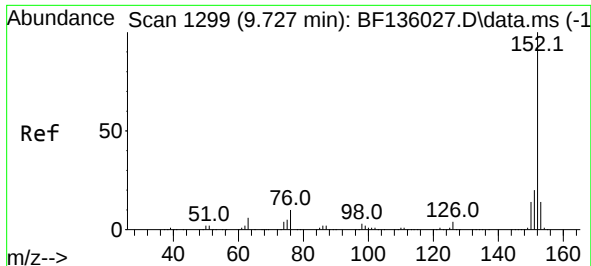
Tgt Ion:162 Resp: 531052  
Ion Ratio Lower Upper  
162 100  
127 43.1 32.4 48.6  
164 32.4 26.7 40.1



#48  
2-Nitroaniline  
Concen: 45.698 ng  
RT: 9.404 min Scan# 1244  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion: 65 Resp: 168367  
Ion Ratio Lower Upper  
65 100  
92 68.7 55.7 83.5  
138 109.1 86.8 130.2





#49

Acenaphthylene

Concen: 42.915 ng

RT: 9.722 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

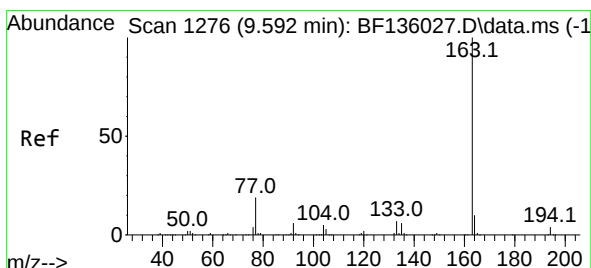
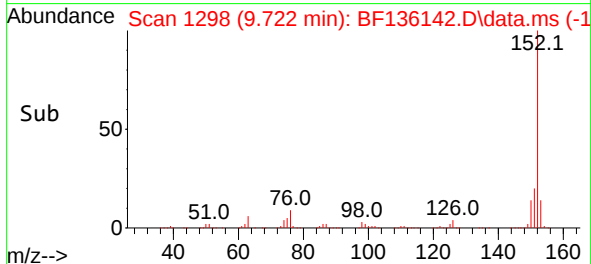
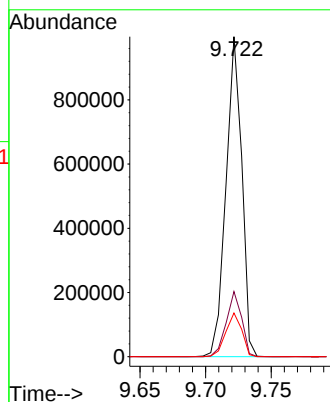
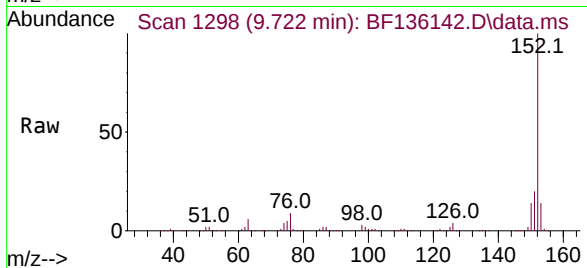
Tgt Ion:152 Resp: 833463

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 13.7 11.4 17.2



#50

Dimethylphthalate

Concen: 43.425 ng

RT: 9.586 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

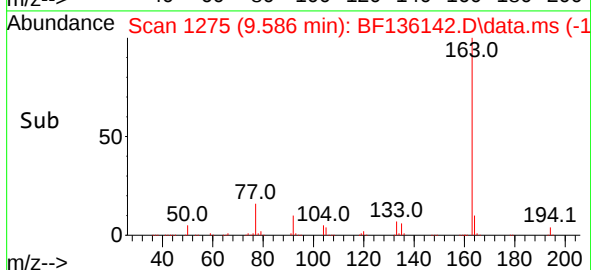
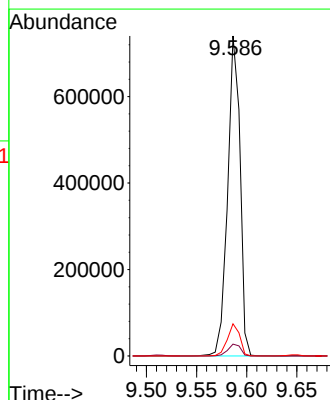
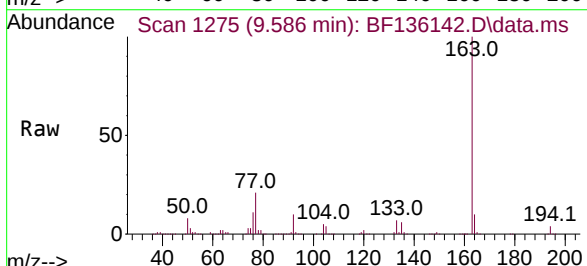
Tgt Ion:163 Resp: 634542

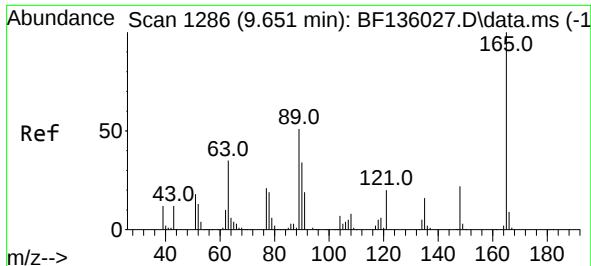
Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

164 10.0 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 46.914 ng

RT: 9.645 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

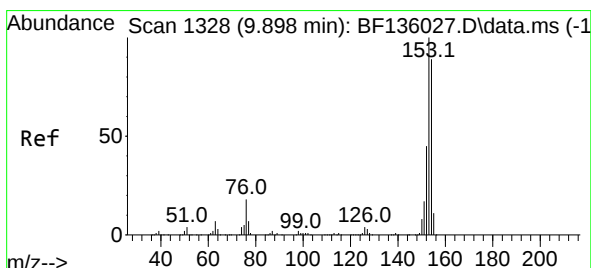
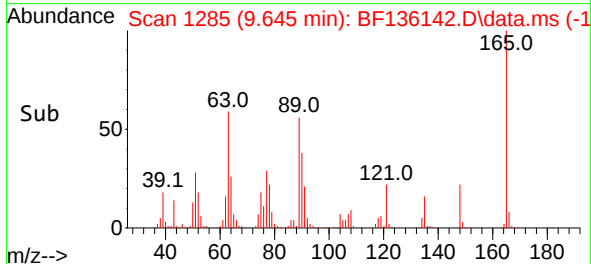
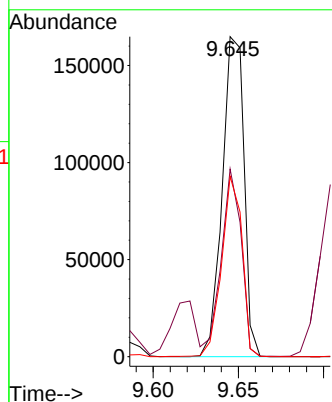
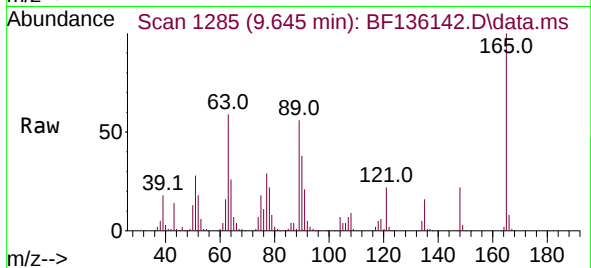
Tgt Ion:165 Resp: 146620

Ion Ratio Lower Upper

165 100

63 58.6 40.8 61.2

89 56.3 41.1 61.7



#52

Acenaphthene

Concen: 41.653 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

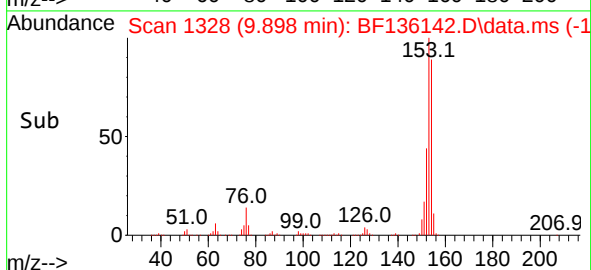
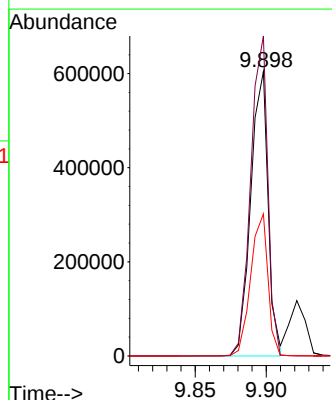
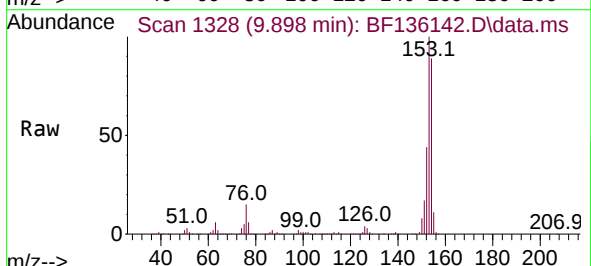
Tgt Ion:154 Resp: 514266

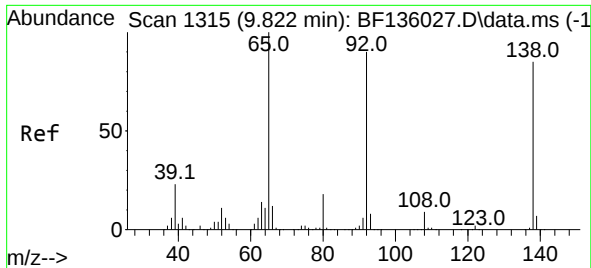
Ion Ratio Lower Upper

154 100

153 112.5 89.9 134.9

152 49.9 40.2 60.2

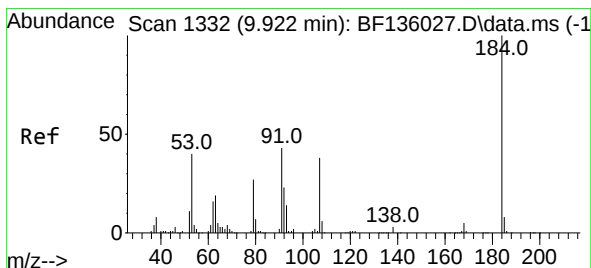
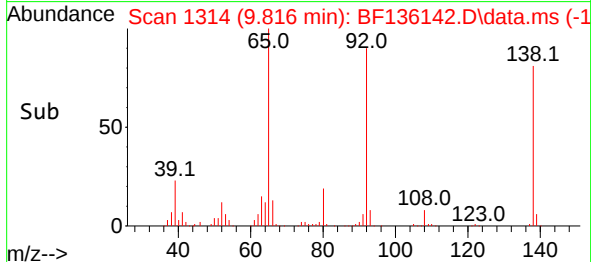
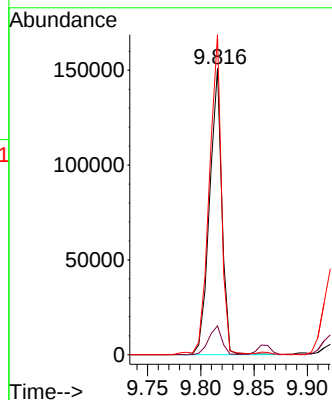
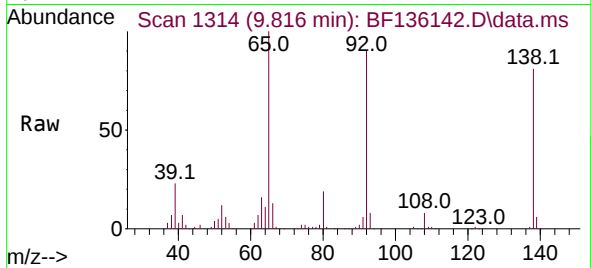




#53  
3-Nitroaniline  
Concen: 33.407 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

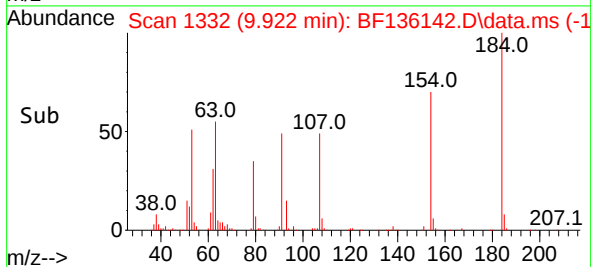
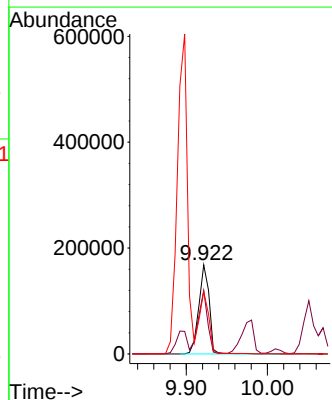
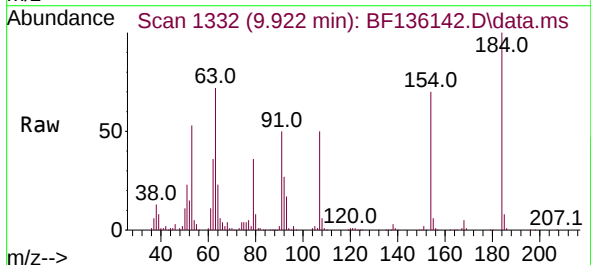
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

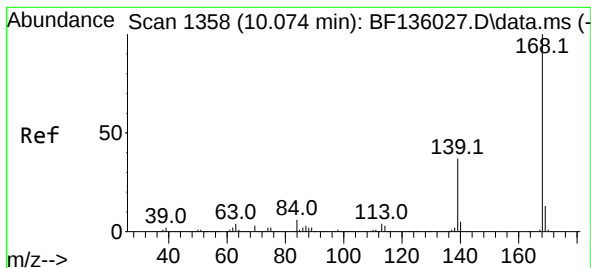
Tgt Ion:138 Resp: 121824  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.8 13.2  
92 111.8 84.6 126.8



#54  
2,4-Dinitrophenol  
Concen: 88.105 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:184 Resp: 150755  
Ion Ratio Lower Upper  
184 100  
63 71.6 43.7 65.5#  
154 69.9 51.2 76.8





#55

Dibenzenofuran

Concen: 41.639 ng

RT: 10.069 min Scan# 1357

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

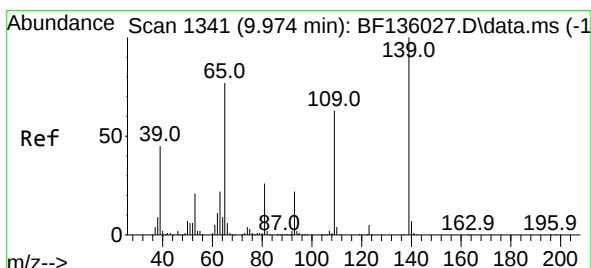
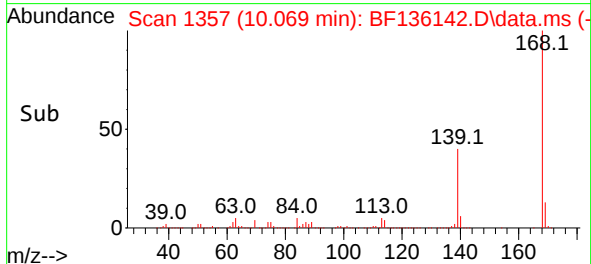
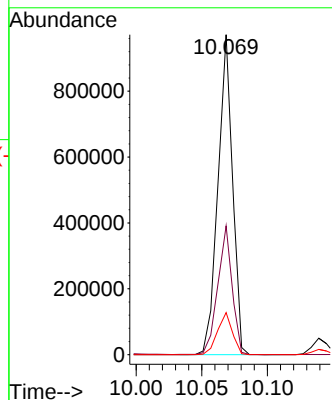
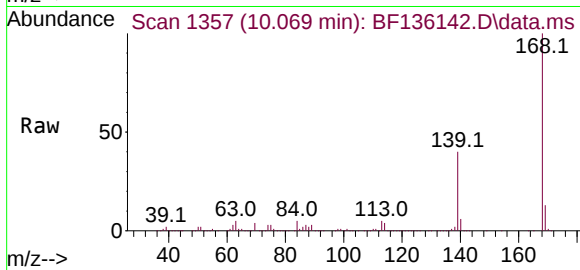
Tgt Ion:168 Resp: 749623

Ion Ratio Lower Upper

168 100

139 40.3 29.4 44.0

169 13.1 10.5 15.7



#56

4-Nitrophenol

Concen: 86.445 ng

RT: 9.980 min Scan# 1342

Delta R.T. 0.012 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

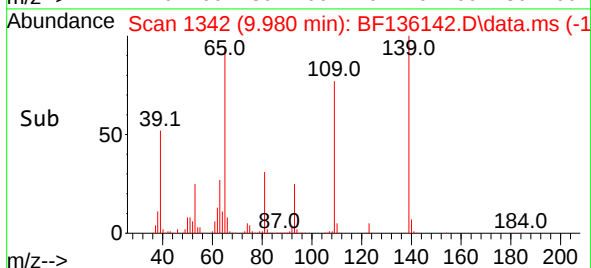
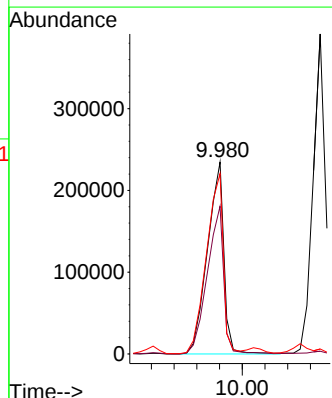
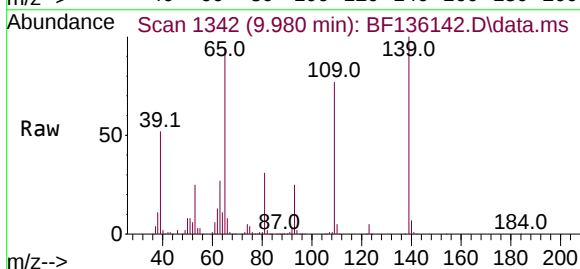
Tgt Ion:139 Resp: 235799

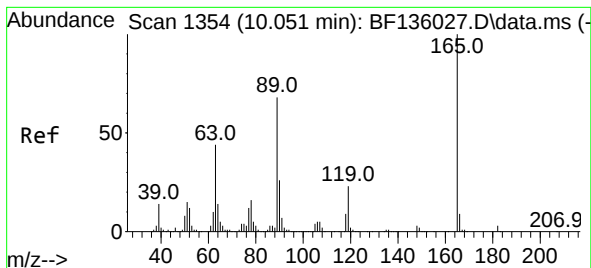
Ion Ratio Lower Upper

139 100

109 77.0 43.2 83.2

65 94.0 57.6 97.6



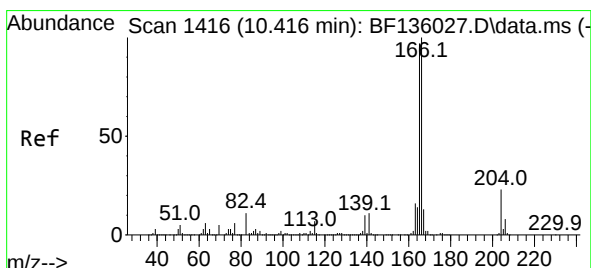
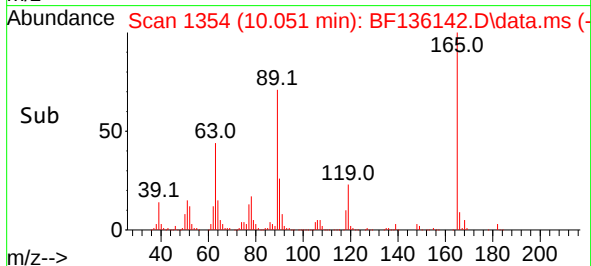
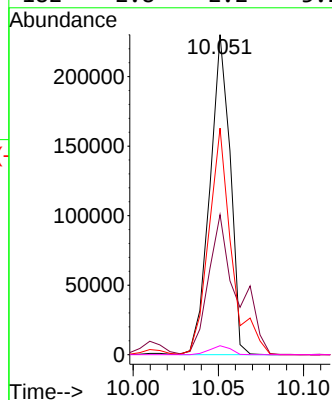
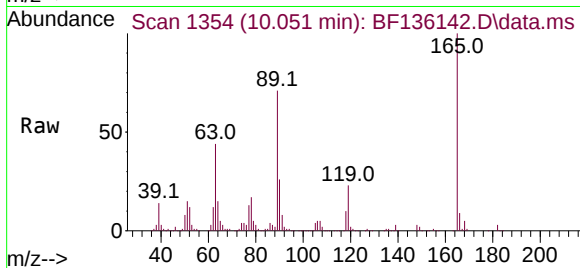


#57  
2,4-Dinitrotoluene  
Concen: 48.197 ng  
RT: 10.051 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

Tgt Ion:165 Resp: 190582

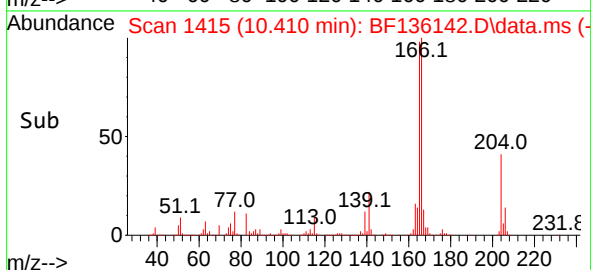
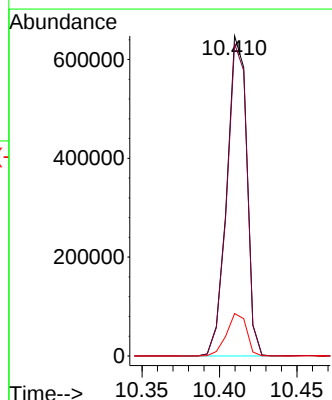
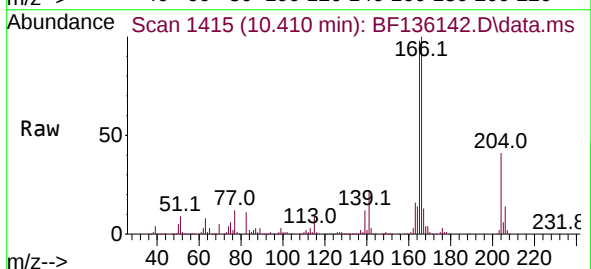
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 43.8  | 35.2  | 52.8  |
| 89  | 70.8  | 54.8  | 82.2  |
| 182 | 2.8   | 2.2   | 3.2   |

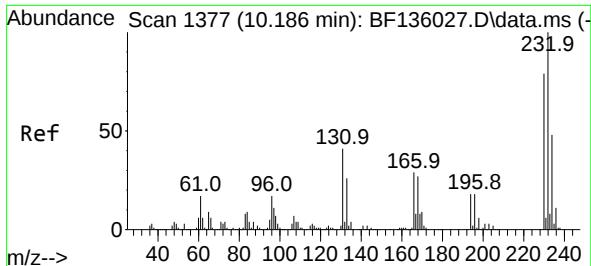


#58  
Fluorene  
Concen: 43.035 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:166 Resp: 580072

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.6  | 77.7  | 116.5 |
| 167 | 13.3  | 10.6  | 16.0  |





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.220 ng

RT: 10.186 min Scan# 1377

Delta R.T. 0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

Tgt Ion:232 Resp: 167756

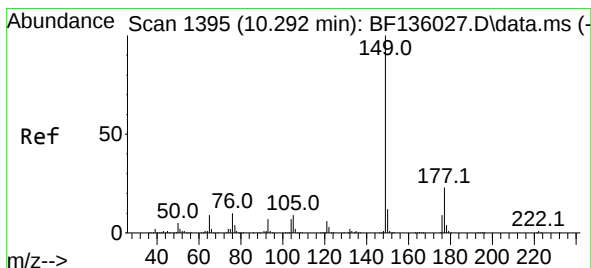
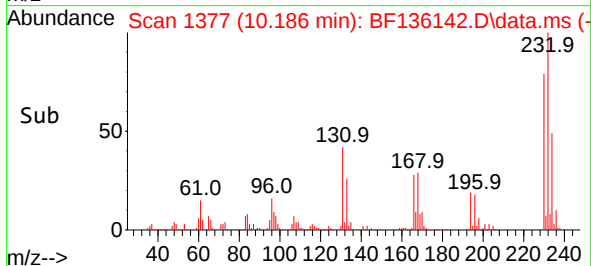
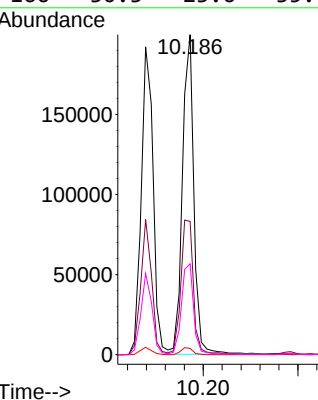
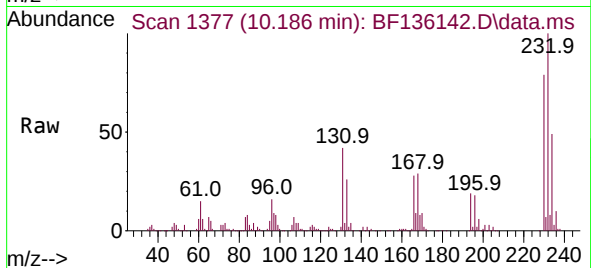
Ion Ratio Lower Upper

232 100

131 45.9 34.6 52.0

130 2.3 1.6 2.4

166 30.3 23.6 35.4



#60

Diethylphthalate

Concen: 46.881 ng

RT: 10.292 min Scan# 1395

Delta R.T. 0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

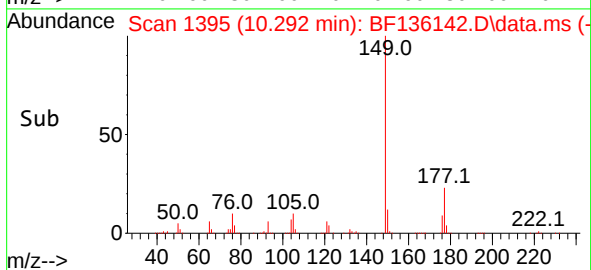
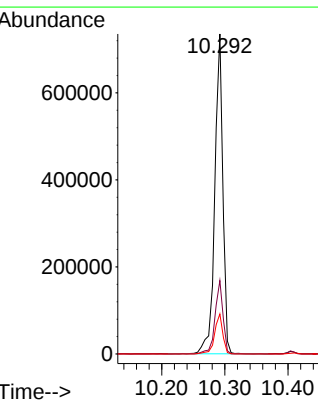
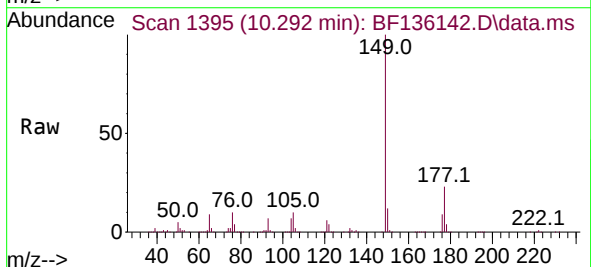
Tgt Ion:149 Resp: 654543

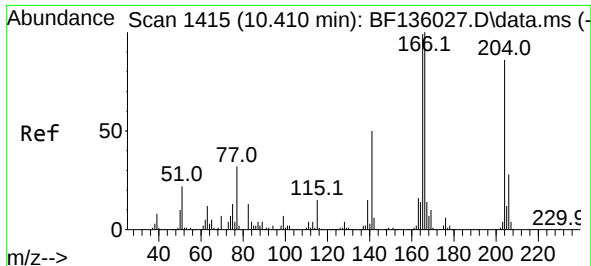
Ion Ratio Lower Upper

149 100

177 23.0 18.2 27.4

150 12.5 9.9 14.9

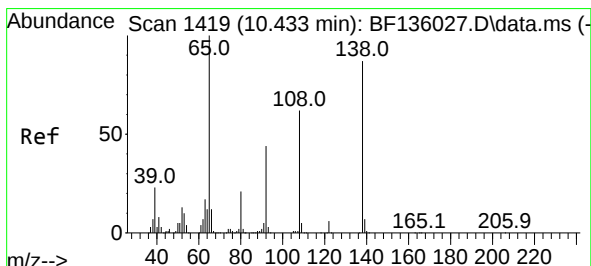
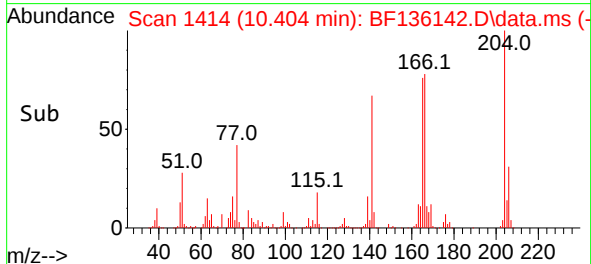
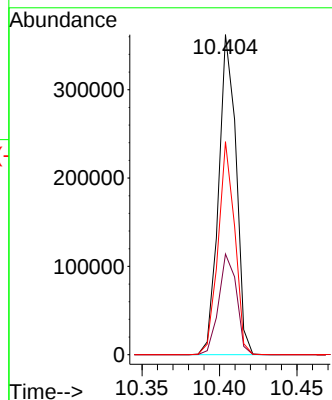
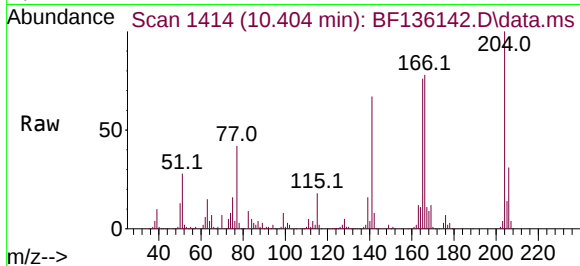




#61  
4-Chlorophenyl-phenylether  
Concen: 42.202 ng  
RT: 10.404 min Scan# 1414  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

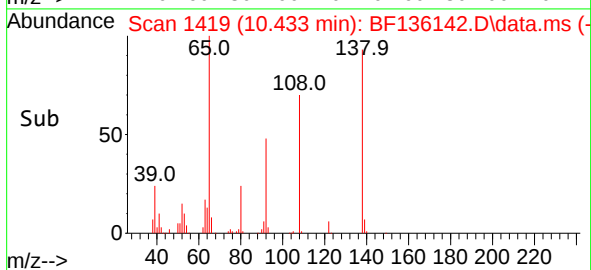
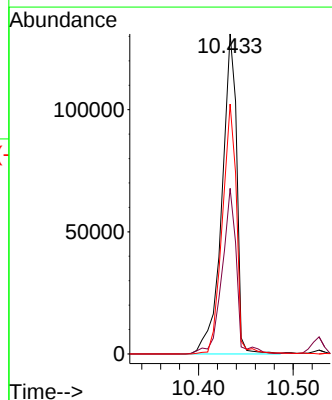
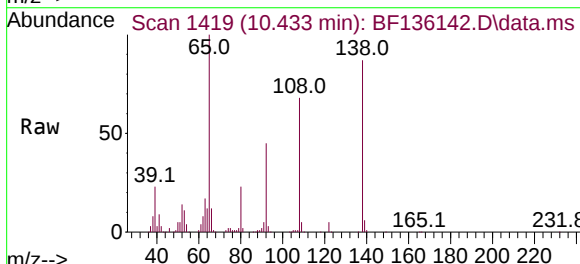
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

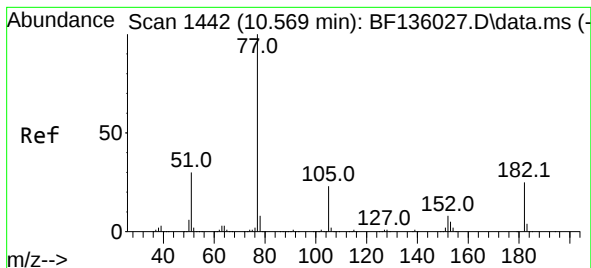
Tgt Ion:204 Resp: 283955  
Ion Ratio Lower Upper  
204 100  
206 31.4 26.6 39.8  
141 66.5 46.8 70.2



#62  
4-Nitroaniline  
Concen: 40.663 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:138 Resp: 142784  
Ion Ratio Lower Upper  
138 100  
92 51.7 30.6 70.6  
108 78.1 51.5 91.5





#63

Azobenzene

Concen: 42.031 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

Tgt Ion: 77 Resp: 565152

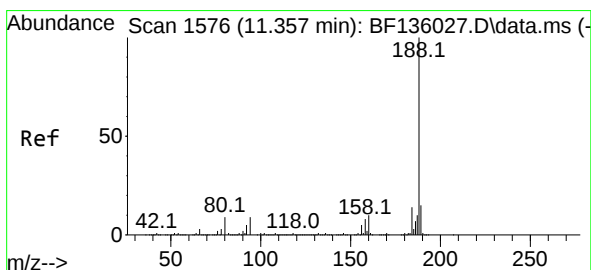
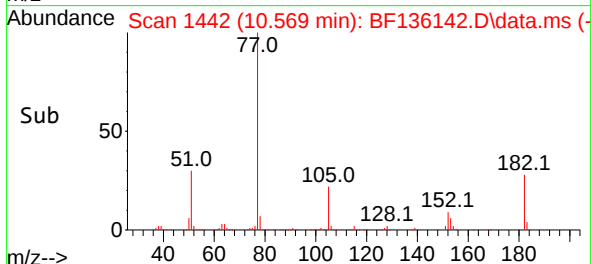
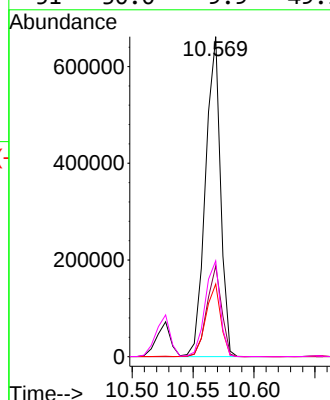
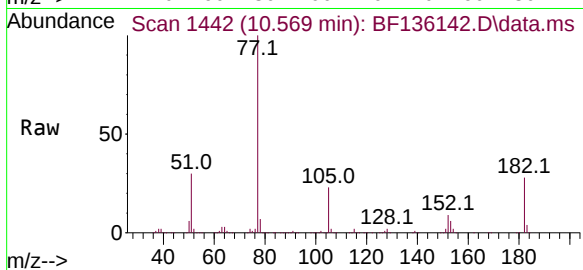
Ion Ratio Lower Upper

77 100

182 28.4 5.0 45.0

105 22.7 2.6 42.6

51 30.0 9.9 49.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

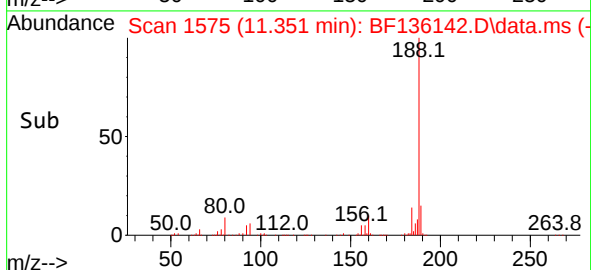
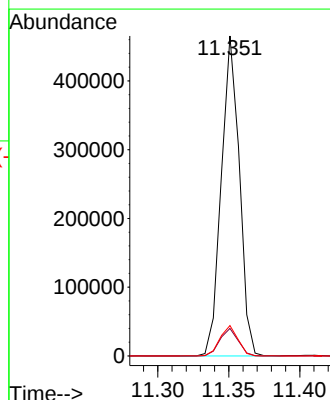
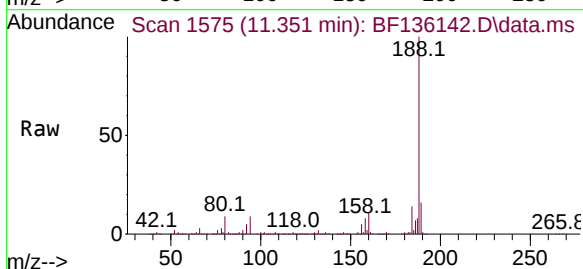
Tgt Ion: 188 Resp: 410883

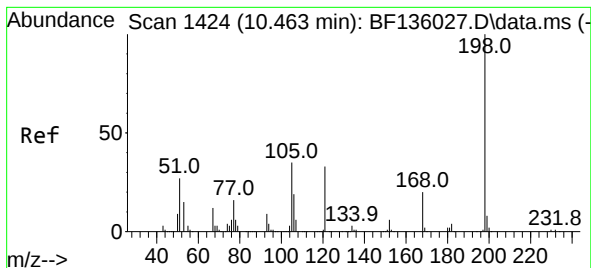
Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

80 9.5 7.4 11.0

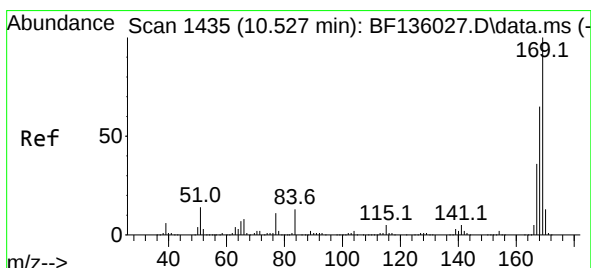
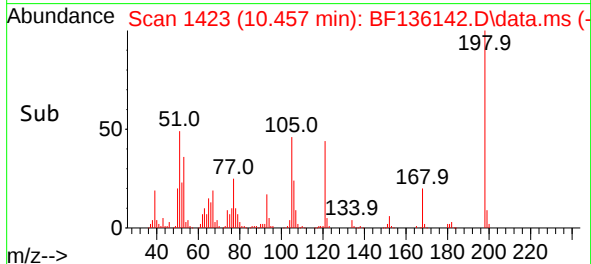
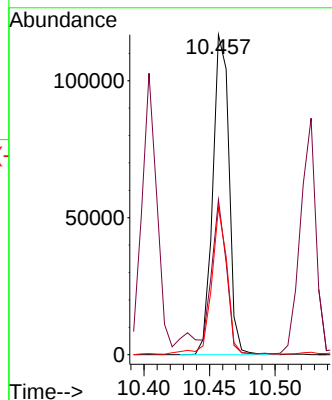
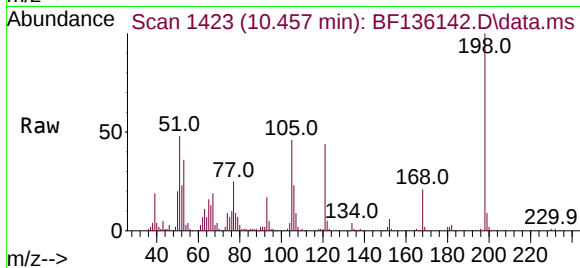




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.118 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

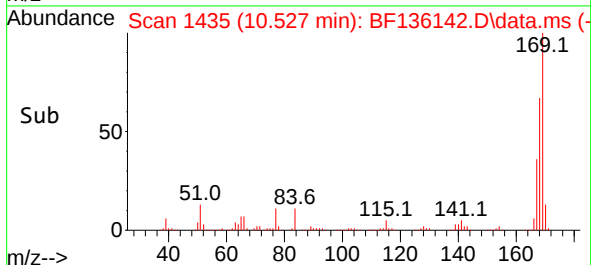
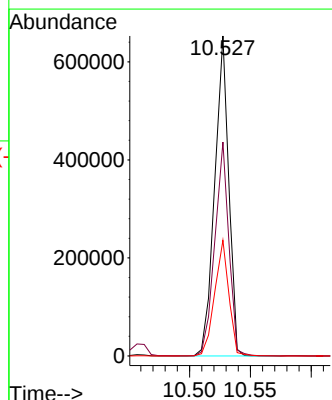
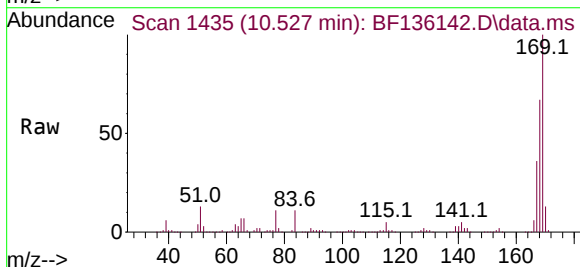
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

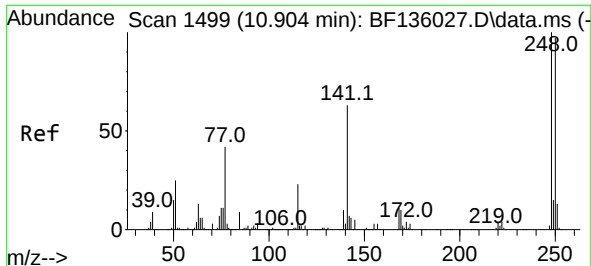
Tgt Ion:198 Resp: 100967  
Ion Ratio Lower Upper  
198 100  
51 48.4 12.9 52.9  
105 46.0 16.0 56.0



#66  
n-Nitrosodiphenylamine  
Concen: 42.236 ng  
RT: 10.527 min Scan# 1435  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:169 Resp: 523511  
Ion Ratio Lower Upper  
169 100  
168 66.8 52.2 78.2  
167 36.1 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 43.118 ng

RT: 10.898 min Scan# 1499

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

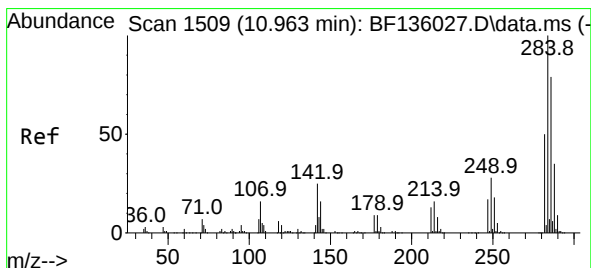
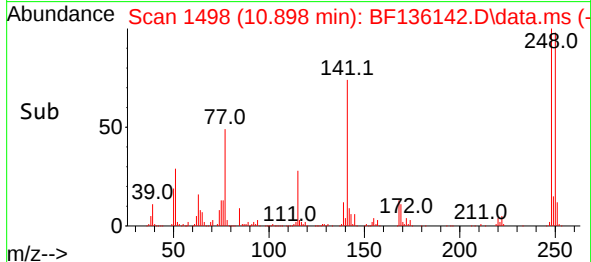
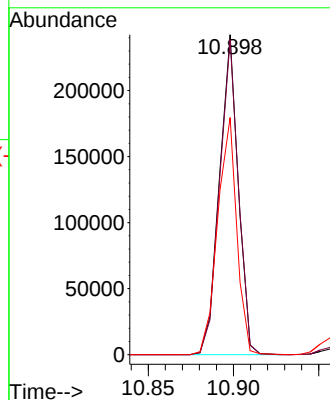
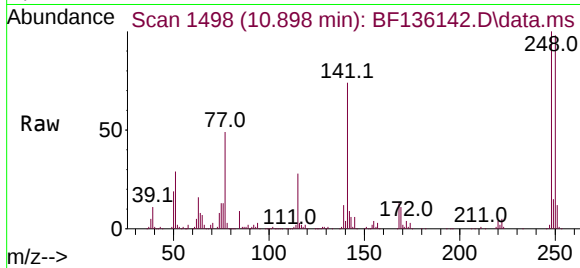
Tgt Ion:248 Resp: 185746

Ion Ratio Lower Upper

248 100

250 98.5 77.6 116.4

141 74.1 50.4 75.6



#68

Hexachlorobenzene

Concen: 46.435 ng

RT: 10.957 min Scan# 1508

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

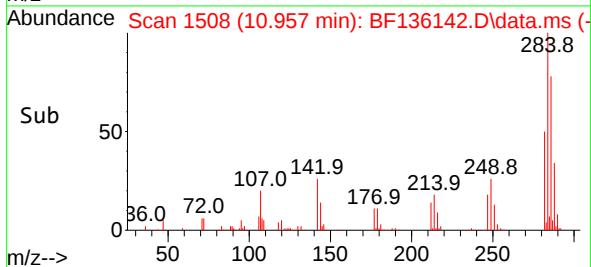
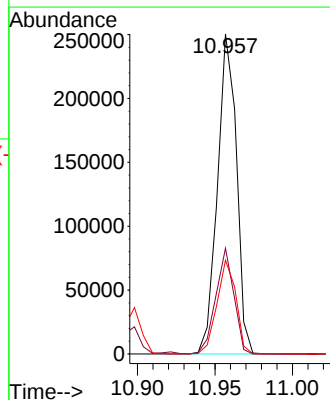
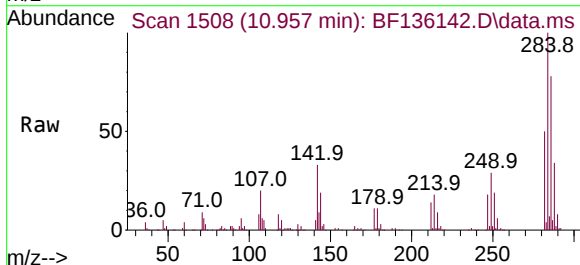
Tgt Ion:284 Resp: 213638

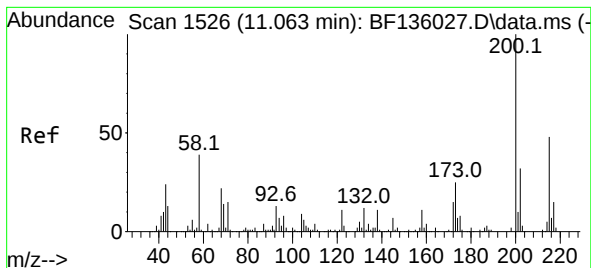
Ion Ratio Lower Upper

284 100

142 33.0 20.2 30.4#

249 29.3 22.6 33.8





#69

Atrazine

Concen: 50.695 ng

RT: 11.057 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

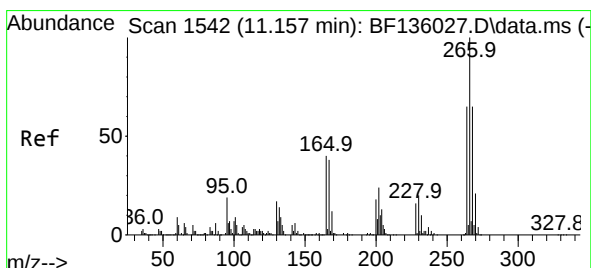
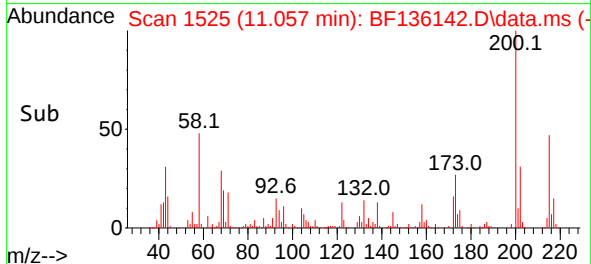
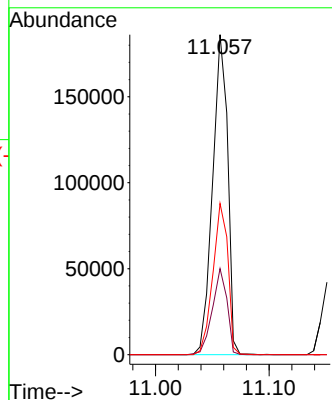
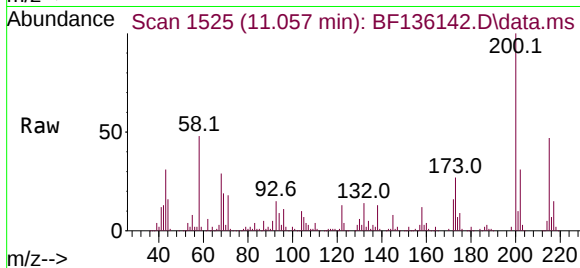
Tgt Ion:200 Resp: 170962

Ion Ratio Lower Upper

200 100

173 26.9 5.2 45.2

215 47.2 28.4 68.4



#70

Pentachlorophenol

Concen: 72.682 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

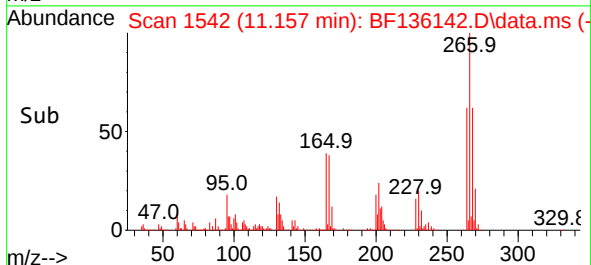
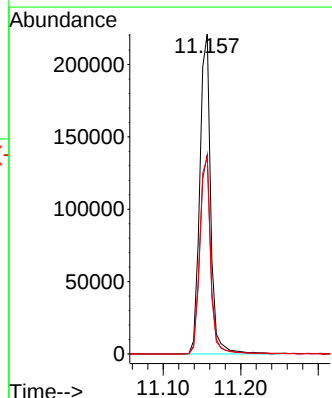
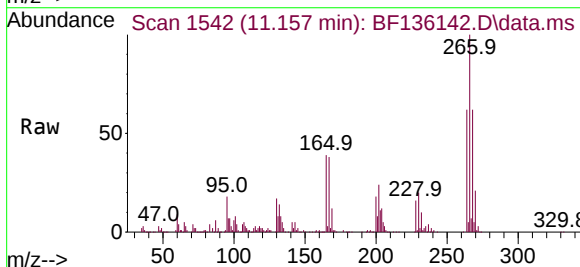
Tgt Ion:266 Resp: 214758

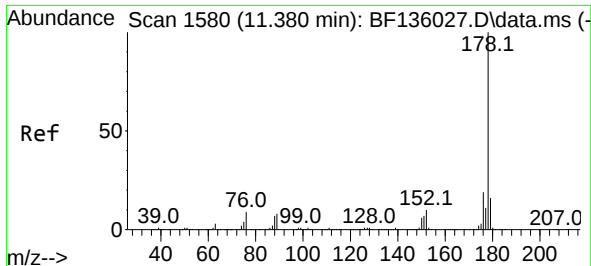
Ion Ratio Lower Upper

266 100

268 62.3 52.2 78.4

264 61.6 52.2 78.4

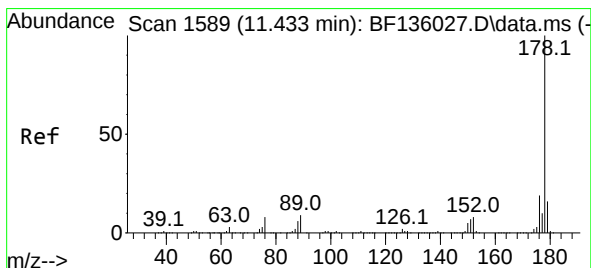
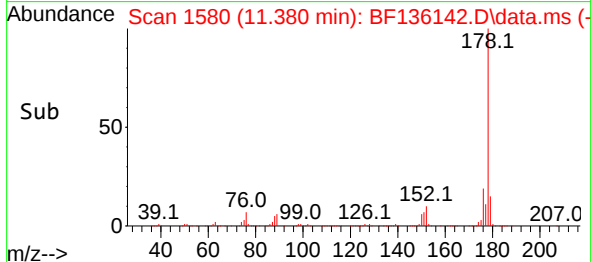
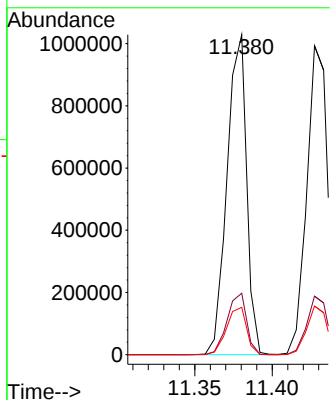
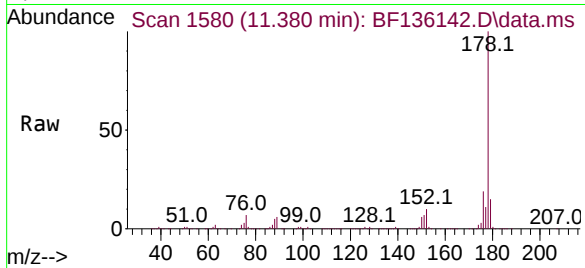




#71  
Phenanthrene  
Concen: 43.763 ng  
RT: 11.380 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

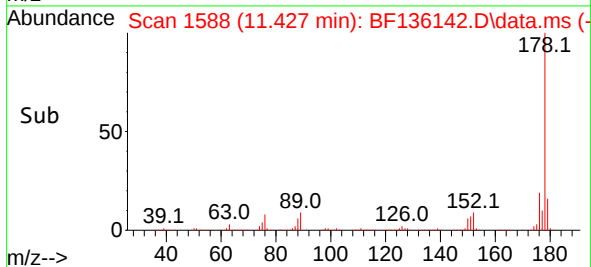
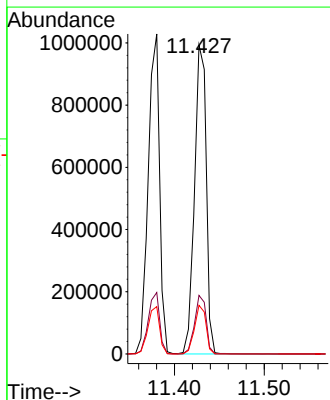
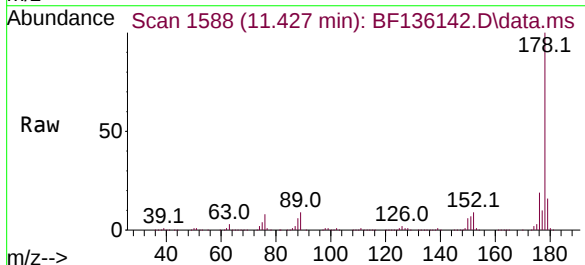
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

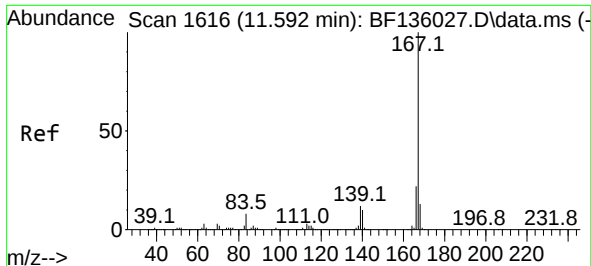
Tgt Ion:178 Resp: 905365  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 14.8 12.9 19.3



#72  
Anthracene  
Concen: 42.600 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:178 Resp: 903078  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.0 22.4  
179 15.7 12.6 18.8

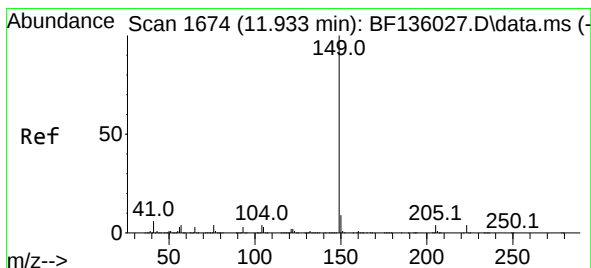
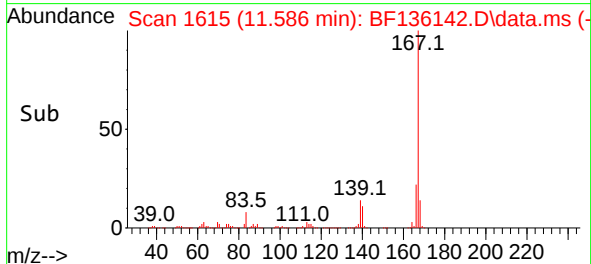
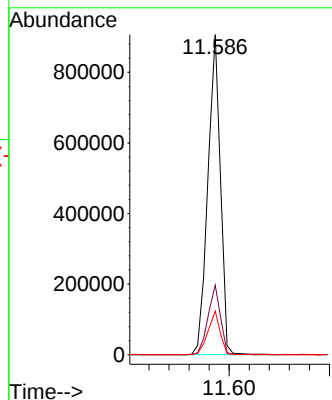
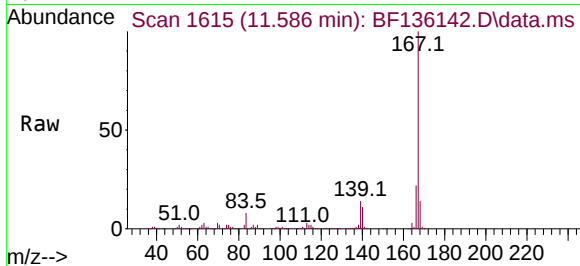




#73  
Carbazole  
Concen: 42.995 ng  
RT: 11.586 min Scan# 1615  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

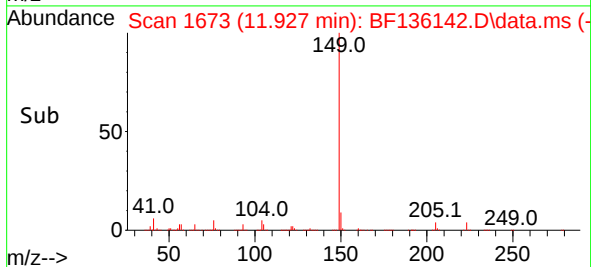
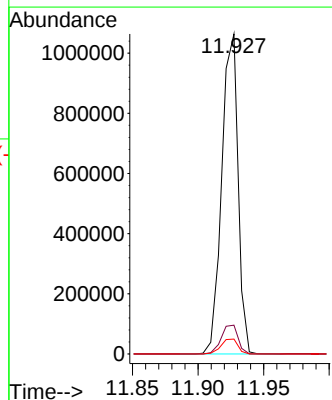
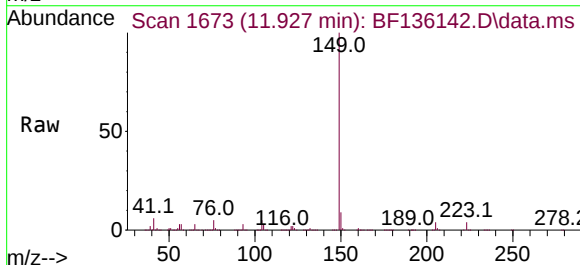
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

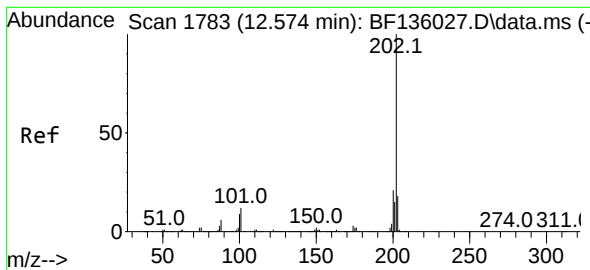
Tgt Ion:167 Resp: 792046  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.2 25.8  
139 13.6 9.9 14.9



#74  
Di-n-butylphthalate  
Concen: 43.631 ng  
RT: 11.927 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:149 Resp: 918424  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.3 10.9  
104 4.7 3.6 5.4

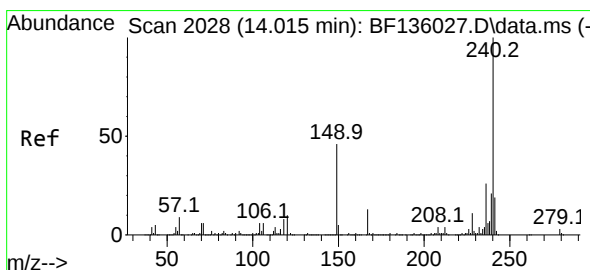
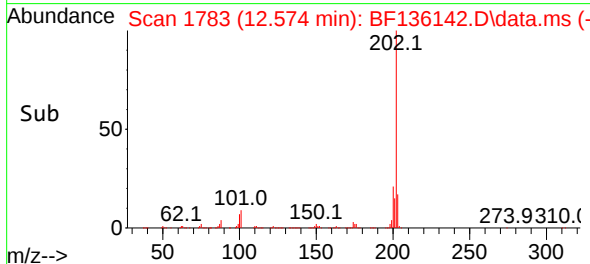
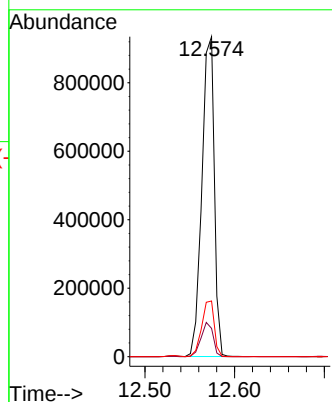
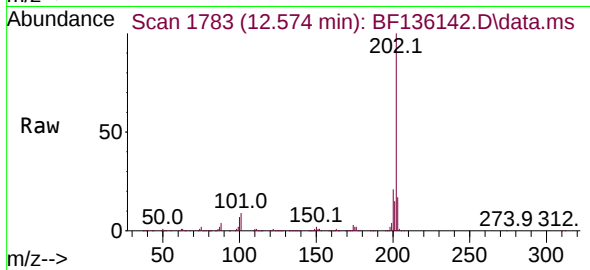




#75  
Fluoranthene  
Concen: 42.234 ng  
RT: 12.574 min Scan# 1783  
Delta R.T. 0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

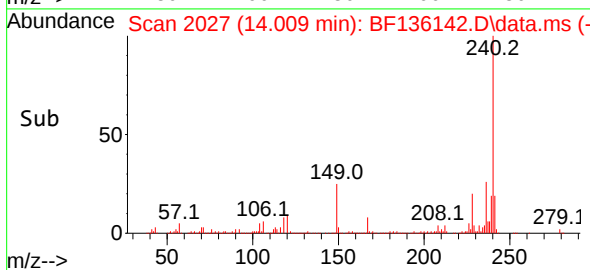
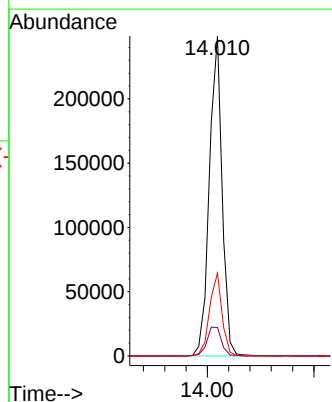
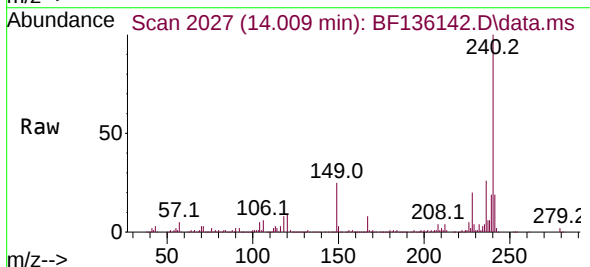
Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

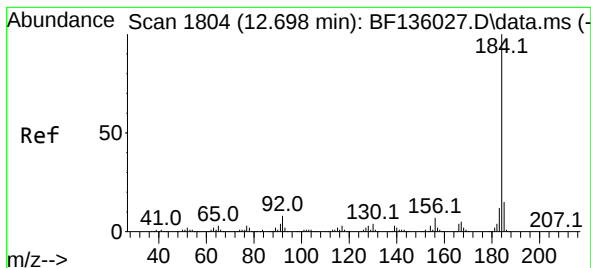
Tgt Ion:202 Resp: 897591  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 31.8  
203 17.4 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.009 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:240 Resp: 207622  
Ion Ratio Lower Upper  
240 100  
120 8.9 7.6 11.4  
236 25.8 20.6 31.0





#77

Benzidine

Concen: 33.995 ng

RT: 12.698 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

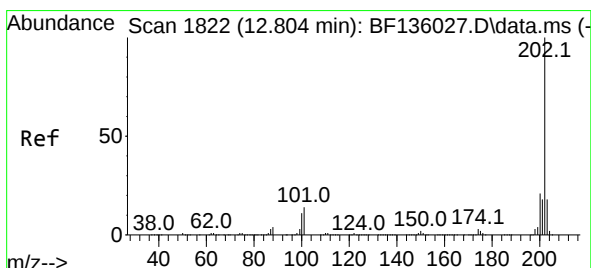
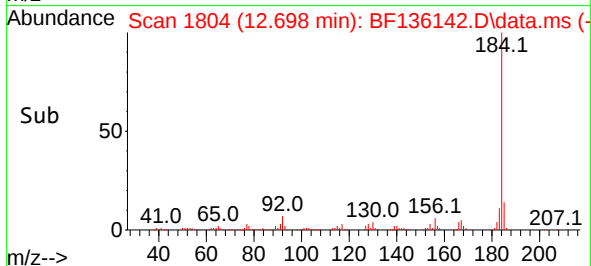
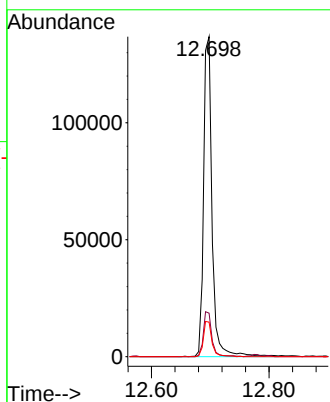
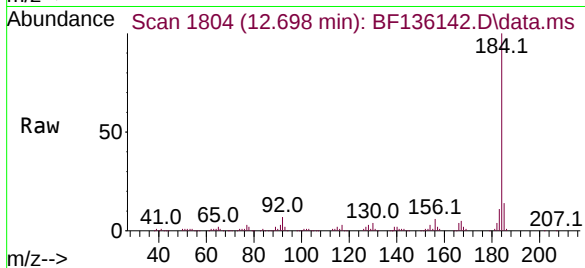
Tgt Ion:184 Resp: 137568

Ion Ratio Lower Upper

184 100

185 13.6 11.8 17.8

183 10.8 9.5 14.3



#78

Pyrene

Concen: 48.299 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

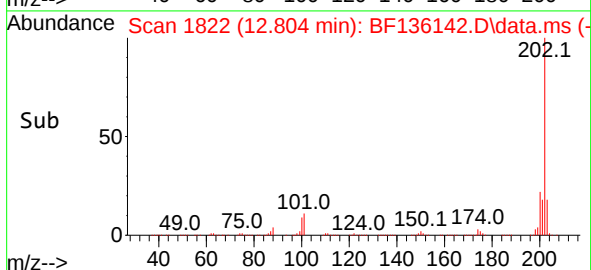
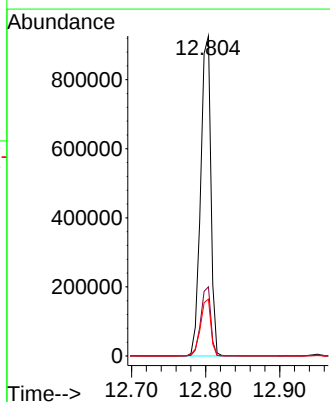
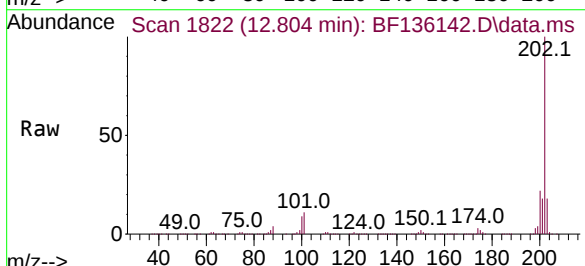
Tgt Ion:202 Resp: 884111

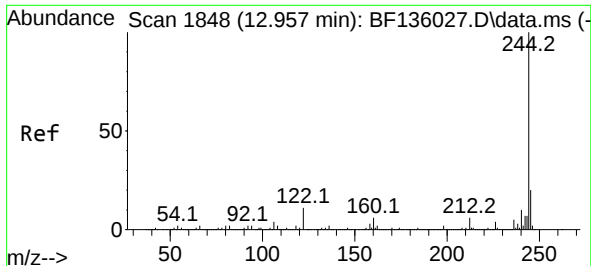
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

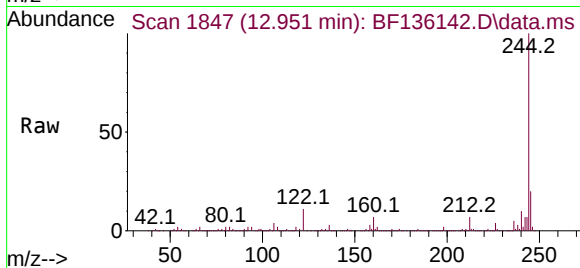
203 17.7 14.4 21.6



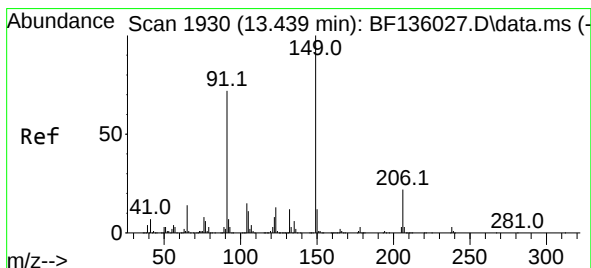
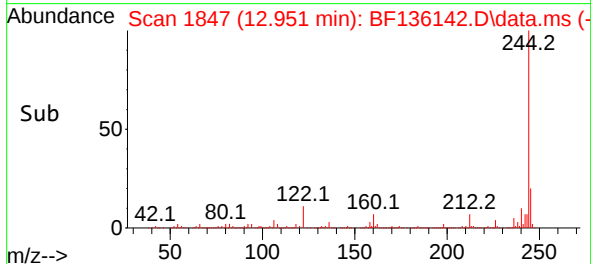
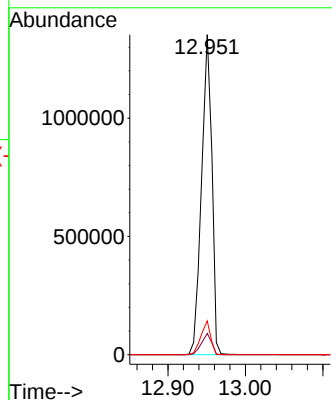


#79  
 Terphenyl-d14  
 Concen: 93.900 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156895BSD

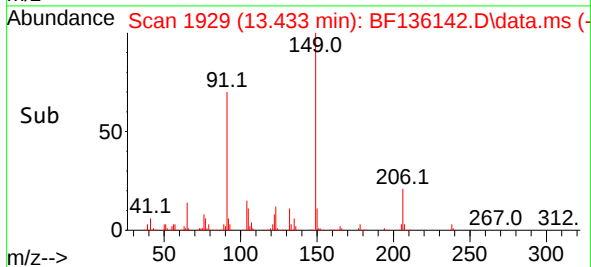
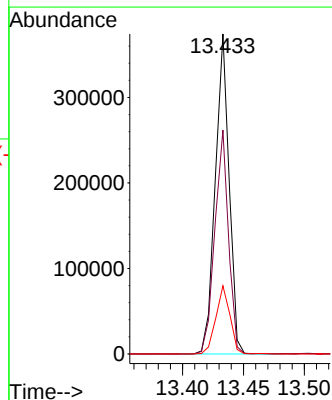
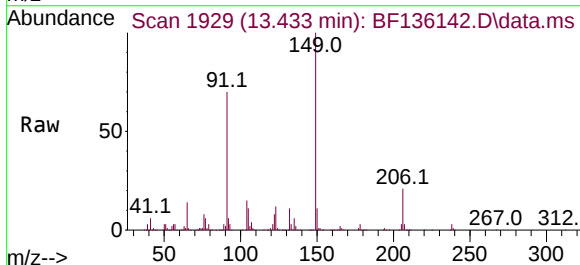


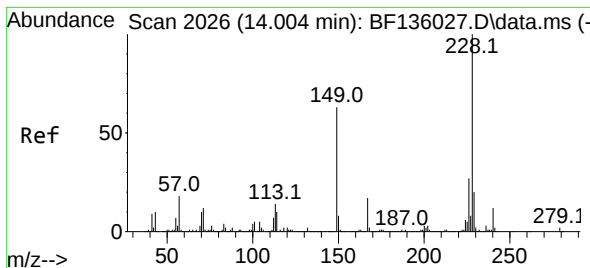
Tgt Ion:244 Resp: 1254526  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.1 7.7  
 122 10.6 8.6 12.8



#80  
 Butylbenzylphthalate  
 Concen: 45.266 ng  
 RT: 13.433 min Scan# 1929  
 Delta R.T. 0.000 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

Tgt Ion:149 Resp: 296601  
 Ion Ratio Lower Upper  
 149 100  
 91 69.9 57.6 86.4  
 206 21.3 17.4 26.0





#81

Benzo(a)anthracene

Concen: 43.137 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

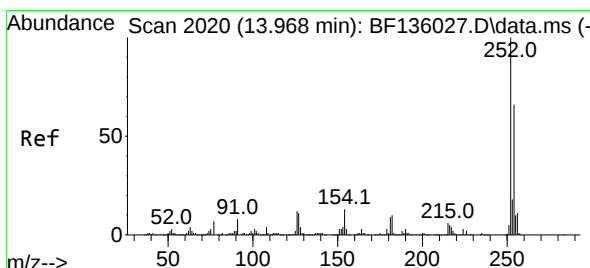
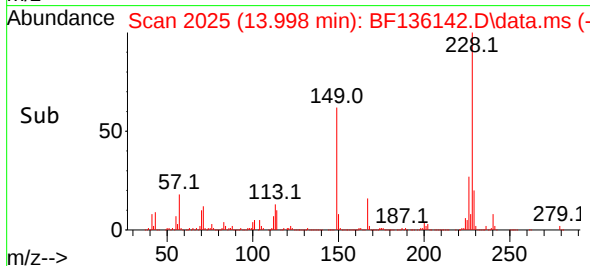
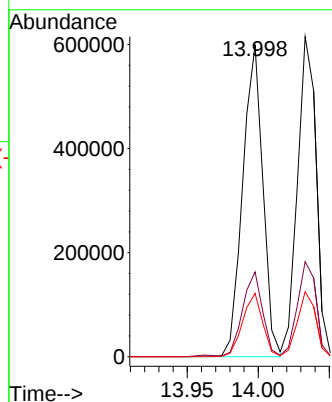
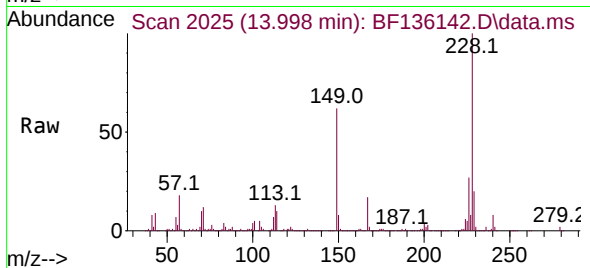
Tgt Ion:228 Resp: 592920

Ion Ratio Lower Upper

228 100

226 27.2 21.5 32.3

229 20.3 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 36.255 ng

RT: 13.962 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

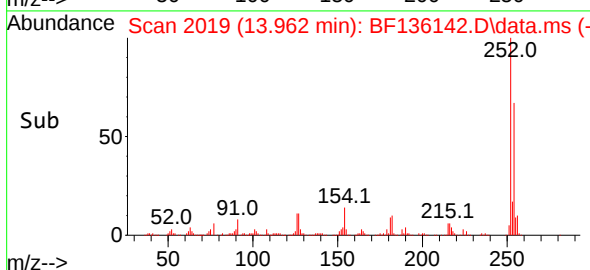
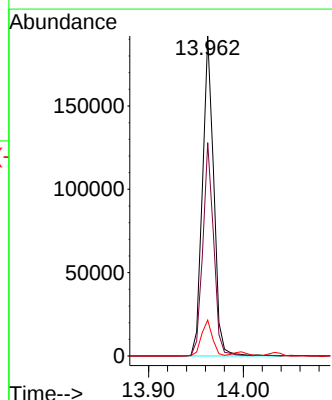
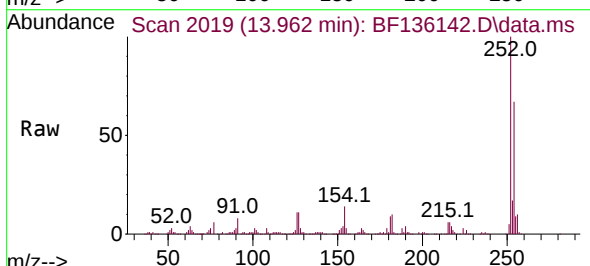
Tgt Ion:252 Resp: 159052

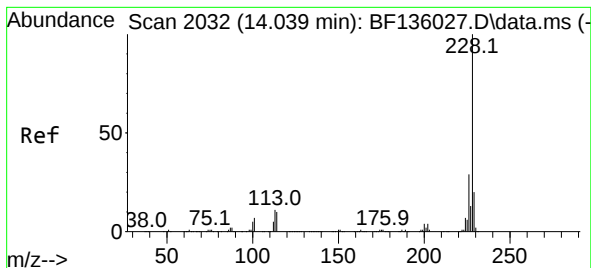
Ion Ratio Lower Upper

252 100

254 66.7 52.5 78.7

126 11.2 9.4 14.2





#83

Chrysene

Concen: 41.675 ng

RT: 14.033 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

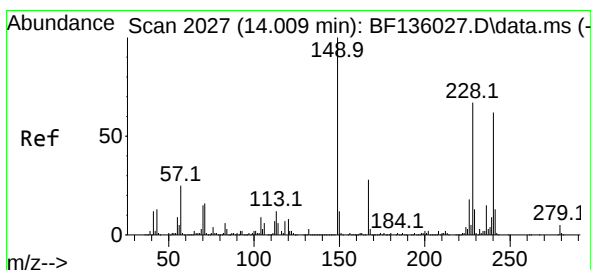
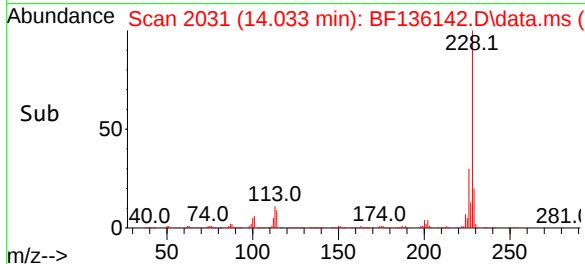
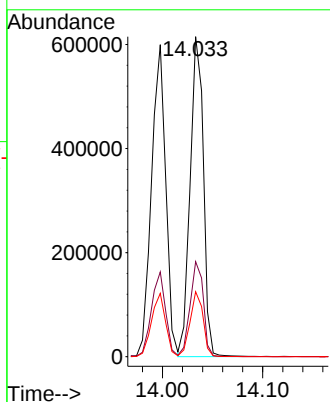
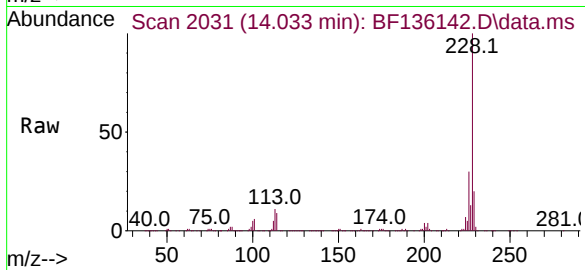
Tgt Ion:228 Resp: 564137

Ion Ratio Lower Upper

228 100

226 29.7 23.5 35.3

229 20.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.297 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

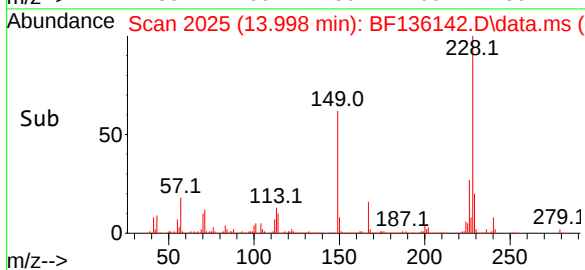
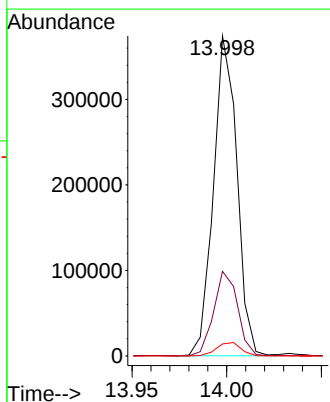
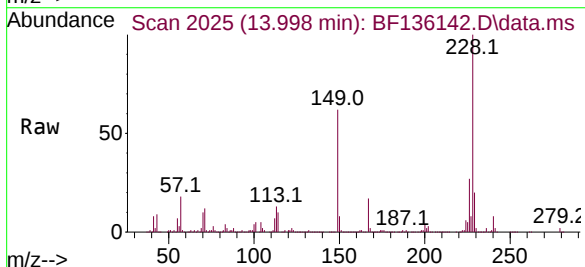
Tgt Ion:149 Resp: 322886

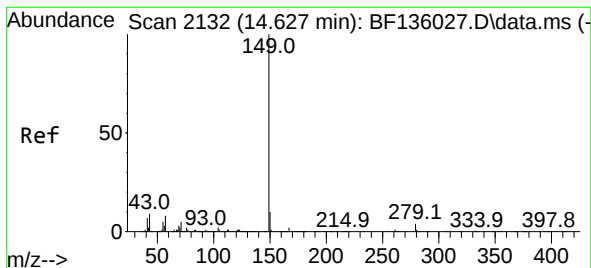
Ion Ratio Lower Upper

149 100

167 26.4 22.6 33.8

279 3.7 4.1 6.1#





#85

Di-n-octyl phthalate

Concen: 40.815 ng

RT: 14.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

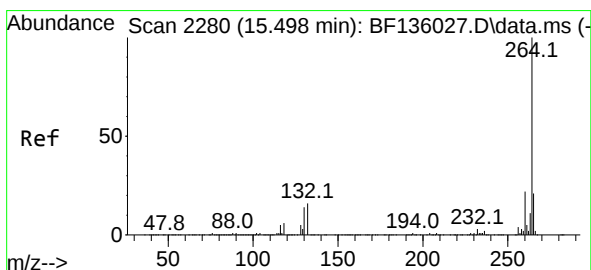
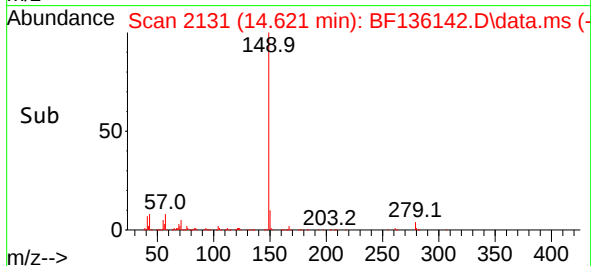
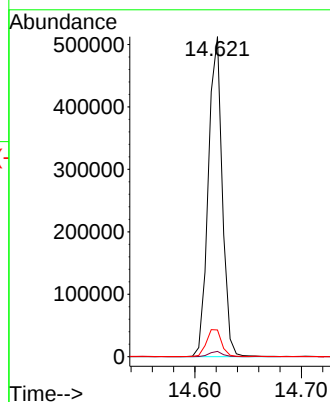
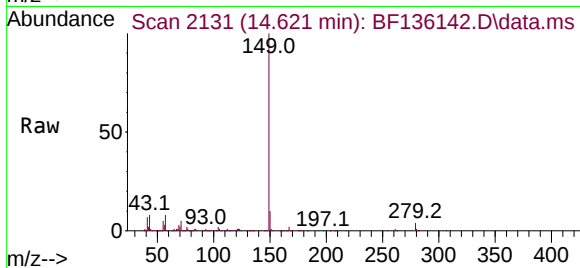
Tgt Ion:149 Resp: 466762

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.2 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

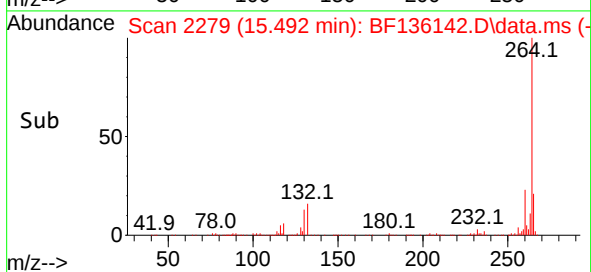
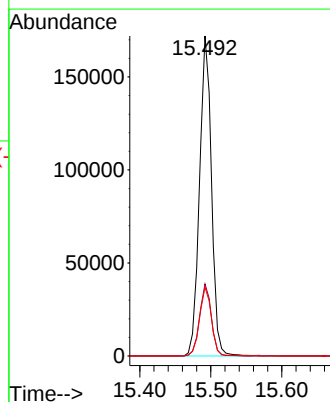
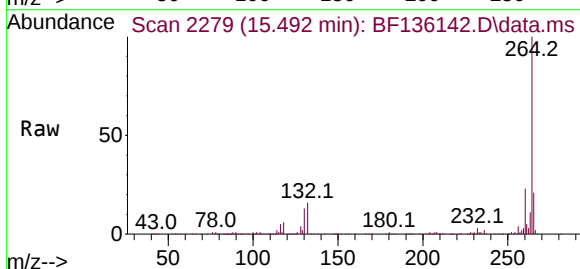
Tgt Ion:264 Resp: 201993

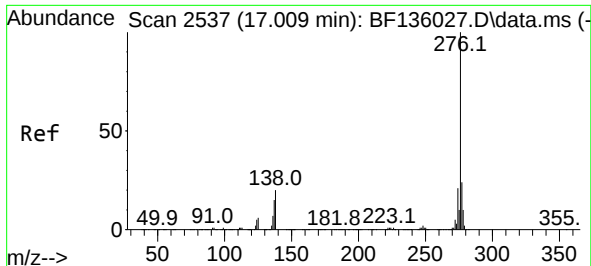
Ion Ratio Lower Upper

264 100

260 22.5 17.9 26.9

265 21.5 16.8 25.2

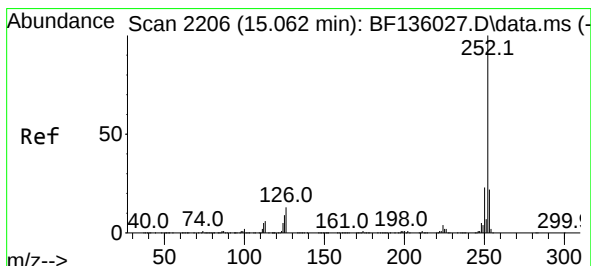
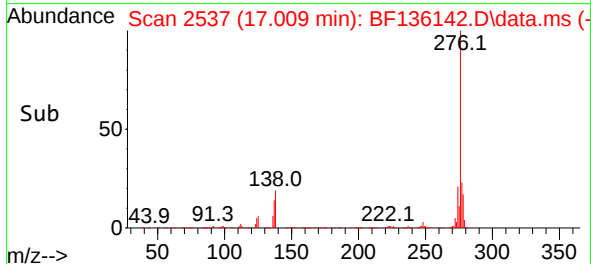
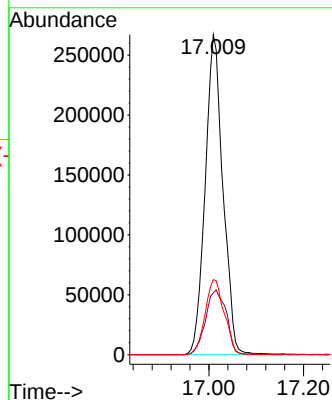
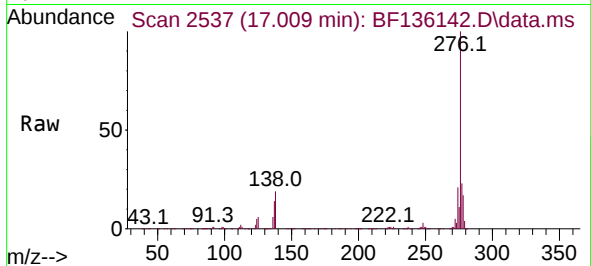




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 52.650 ng  
 RT: 17.009 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

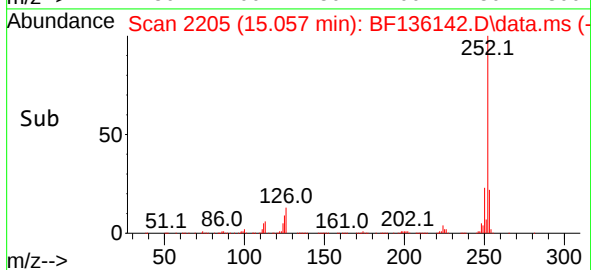
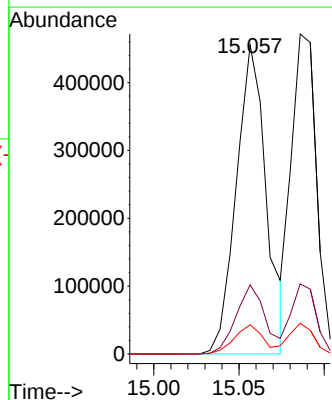
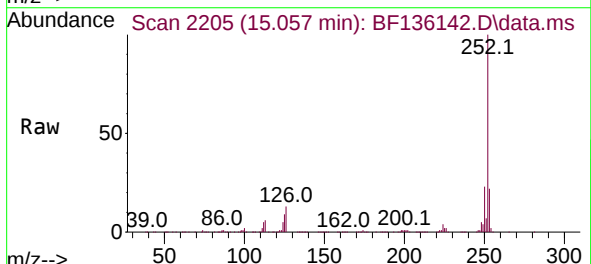
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156895BSD

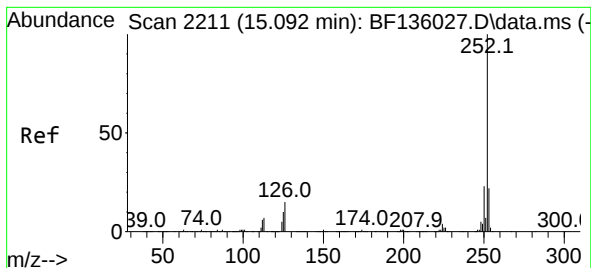
Tgt Ion:276 Resp: 695057  
 Ion Ratio Lower Upper  
 276 100  
 138 23.7 20.4 30.6  
 277 25.2 20.2 30.2



#88  
 Benzo(b)fluoranthene  
 Concen: 46.643 ng  
 RT: 15.057 min Scan# 2205  
 Delta R.T. 0.000 min  
 Lab File: BF136142.D  
 Acq: 04 Nov 2023 11:33

Tgt Ion:252 Resp: 557488  
 Ion Ratio Lower Upper  
 252 100  
 253 22.4 17.7 26.5  
 125 9.4 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 41.455 ng

RT: 15.086 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

Instrument :

BNA\_F

ClientSampleId :

PB156895BSD

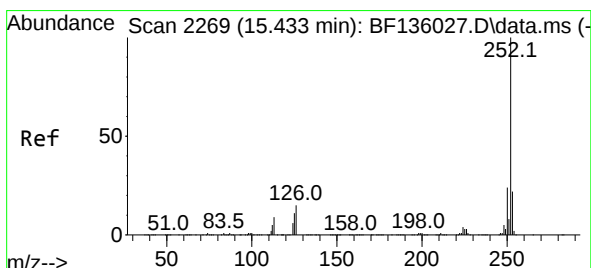
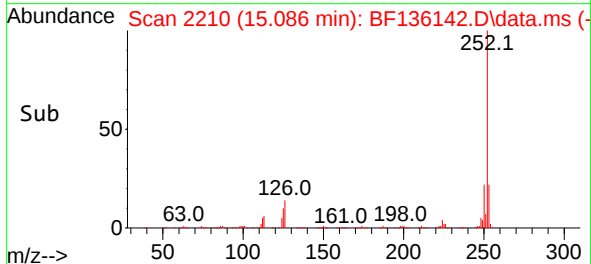
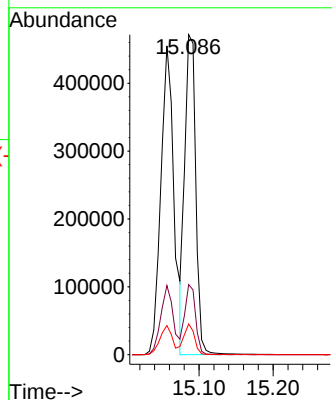
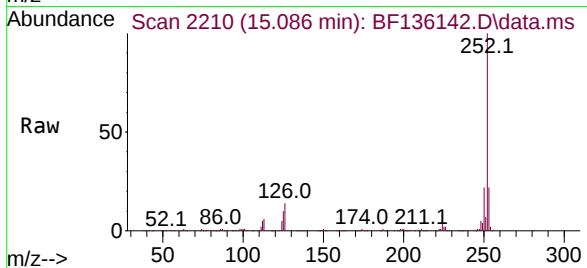
Tgt Ion:252 Resp: 490254

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.6 8.0 12.0



#90

Benzo(a)pyrene

Concen: 43.864 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BF136142.D

Acq: 04 Nov 2023 11:33

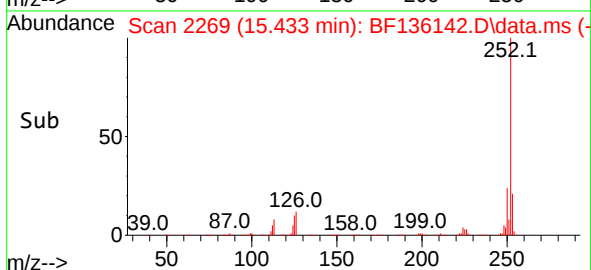
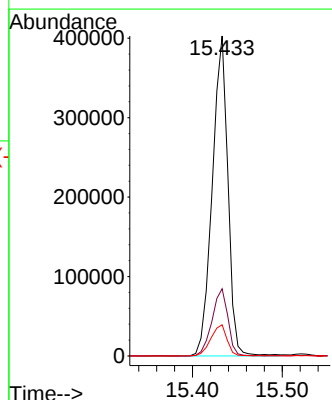
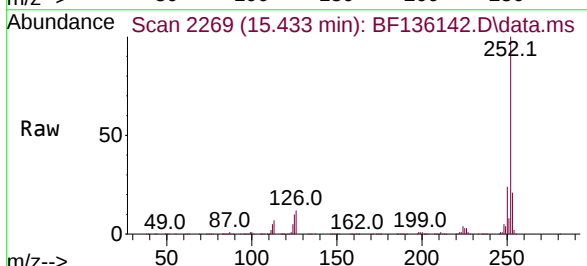
Tgt Ion:252 Resp: 487129

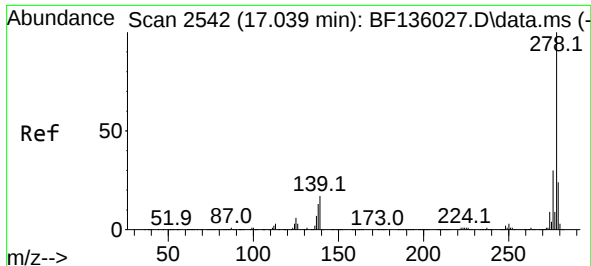
Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 9.8 9.0 13.6

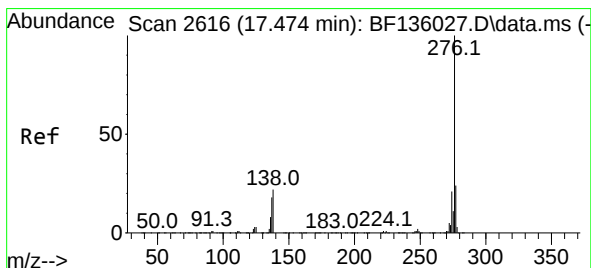
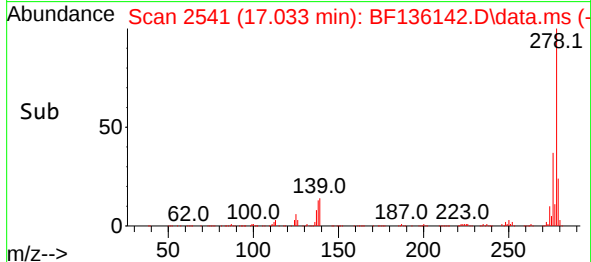
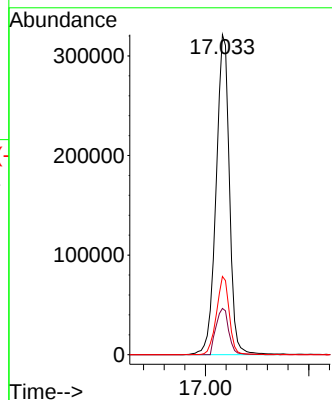
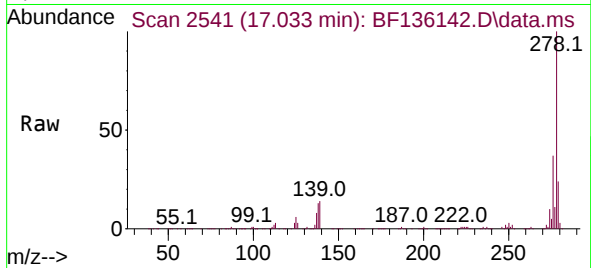




#91  
Dibenzo(a,h)anthracene  
Concen: 53.093 ng  
RT: 17.033 min Scan# 2541  
Delta R.T. -0.006 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB156895BSD

Tgt Ion:278 Resp: 574132  
Ion Ratio Lower Upper  
278 100  
139 14.5 13.7 20.5  
279 24.5 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 47.181 ng  
RT: 17.474 min Scan# 2616  
Delta R.T. 0.000 min  
Lab File: BF136142.D  
Acq: 04 Nov 2023 11:33

Tgt Ion:276 Resp: 580222  
Ion Ratio Lower Upper  
276 100  
277 22.8 19.0 28.4  
138 18.7 17.4 26.2

