

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120123\  
 Data File : BF136362.D  
 Acq On : 02 Dec 2023 05:43  
 Operator : CG\JU  
 Sample : 05388-01MSD  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3MSD

Quant Time: Dec 02 06:11:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 119836   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.087  | 136  | 451538   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 174566   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 270659   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 237779   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 211924   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 816571   | 94.842 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.451  | 99   | 966661   | 89.793 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 599750   | 70.188 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 179645   | 84.174 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 1016396  | 74.370 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 910917   | 44.189 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.663  | 88   | 129141   | 39.641 | ng    | 95       |
| 3) Pyridine                   | 3.416  | 79   | 303732   | 37.769 | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 156333   | 38.458 | ng    | 83       |
| 6) Aniline                    | 6.475  | 93   | 292817   | 28.777 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.593  | 128  | 384555   | 41.020 | ng    | 96       |
| 9) Benzaldehyde               | 6.357  | 77   | 44543    | 7.424  | ng    | 95       |
| 10) Phenol                    | 6.463  | 94   | 451073   | 39.056 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 360138   | 42.505 | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.751  | 146  | 420527   | 39.528 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.828  | 146  | 424579   | 39.257 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 399213   | 38.990 | ng    | 95       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 289806   | 38.396 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081  | 45   | 463527   | 39.386 | ng    | 95       |
| 17) 2-Methylphenol            | 7.063  | 107  | 282987   | 38.396 | ng    | 99       |
| 18) Hexachloroethane          | 7.316  | 117  | 147642   | 38.919 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 250431   | 38.895 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 348343   | 36.367 | ng    | 98       |
| 22) Acetophenone              | 7.216  | 105  | 524762   | 44.251 | ng    | # 94     |
| 24) Nitrobenzene              | 7.392  | 77   | 365260   | 42.182 | ng    | 90       |
| 25) Isophorone                | 7.628  | 82   | 662627   | 43.006 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 180823   | 49.010 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.740  | 122  | 242203   | 49.876 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 7.840  | 93   | 411102   | 44.111 | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 7.945  | 162  | 270640   | 41.319 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 336630   | 41.977 | ng    | 98       |
| 31) Naphthalene               | 8.110  | 128  | 1047897  | 41.288 | ng    | 98       |
| 32) Benzoic acid              | 7.845  | 122  | 135465   | 30.608 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.157  | 127  | 163911   | 19.000 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 196328   | 41.846 | ng    | 99       |
| 35) Caprolactam               | 8.522  | 113  | 70468    | 38.484 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 252338   | 35.521 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.798  | 142  | 602103   | 37.819 | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 573105   | 36.901 | ng    | 92       |
| 40) 1,2,4,5-Tetrachloroben... | 8.963  | 216  | 286000   | 51.480 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 143094   | 66.938 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.075  | 196  | 160908   | 44.623 | ng    | 93       |

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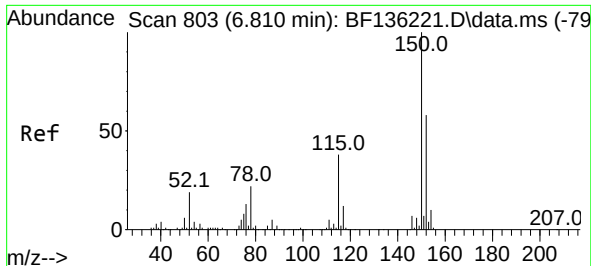
Quant Time: Dec 02 06:11:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 163059   | 41.437 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.263  | 154  | 750433   | 48.748 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 9.286  | 162  | 536897   | 44.911 | ng    | 95       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 136923   | 43.869 | ng    | 85       |
| 49) Acenaphthylene            | 9.704  | 152  | 778890   | 45.655 | ng    | 98       |
| 50) Dimethylphthalate         | 9.569  | 163  | 612205   | 46.400 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 118966   | 44.136 | ng    | 97       |
| 52) Acenaphthene              | 9.875  | 154  | 446190   | 41.386 | ng    | 95       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 84316    | 31.526 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 40867    | 32.599 | ng    | # 85     |
| 55) Dibenzofuran              | 10.051 | 168  | 656494   | 40.921 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 157809   | 77.689 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 141592   | 39.326 | ng    | 96       |
| 58) Fluorene                  | 10.392 | 166  | 480071   | 38.150 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 116250   | 37.129 | ng    | 98       |
| 60) Diethylphthalate          | 10.269 | 149  | 530205   | 40.173 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204  | 242327   | 39.653 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 90440    | 34.546 | ng    | 93       |
| 63) Azobenzene                | 10.545 | 77   | 444137   | 36.298 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 34989    | 23.640 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 10.504 | 169  | 408594   | 47.107 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 141173   | 44.708 | ng    | 90       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 153531   | 42.011 | ng    | # 90     |
| 69) Atrazine                  | 11.033 | 200  | 129127   | 50.185 | ng    | 98       |
| 70) Pentachlorophenol         | 11.139 | 266  | 170223   | 82.401 | ng    | 98       |
| 71) Phenanthrene              | 11.357 | 178  | 665760   | 43.765 | ng    | 98       |
| 72) Anthracene                | 11.410 | 178  | 659947   | 43.260 | ng    | 98       |
| 73) Carbazole                 | 11.569 | 167  | 582887   | 44.925 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 732055   | 45.094 | ng    | 99       |
| 75) Fluoranthene              | 12.551 | 202  | 746870   | 48.363 | ng    | 94       |
| 77) Benzidine                 | 12.675 | 184  | 174720   | 44.701 | ng    | 99       |
| 78) Pyrene                    | 12.780 | 202  | 782616   | 30.053 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 325359   | 40.145 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 742796   | 42.057 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 242564   | 57.055 | ng    | 94       |
| 83) Chrysene                  | 14.016 | 228  | 710445   | 41.661 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 465529   | 47.862 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 891940   | 55.553 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 467854   | 30.565 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 678817   | 45.655 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 614842   | 43.540 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 513856   | 42.277 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 16.998 | 278  | 390193   | 31.669 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 365158   | 29.390 | ng    | 99       |

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

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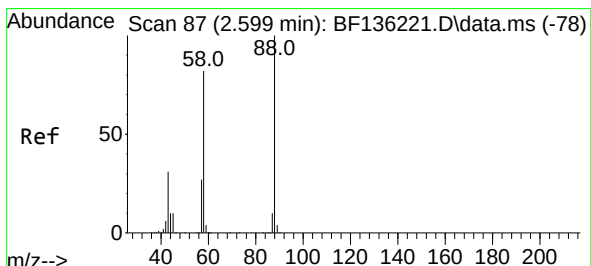
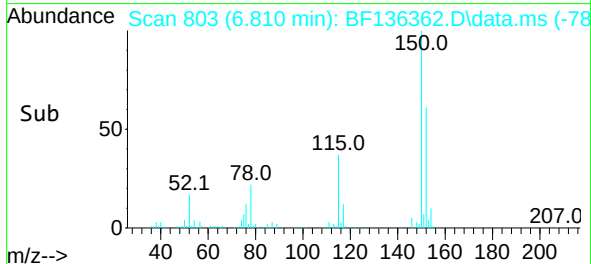
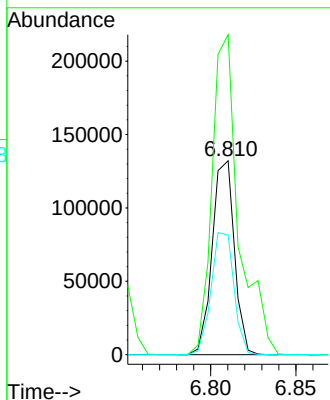
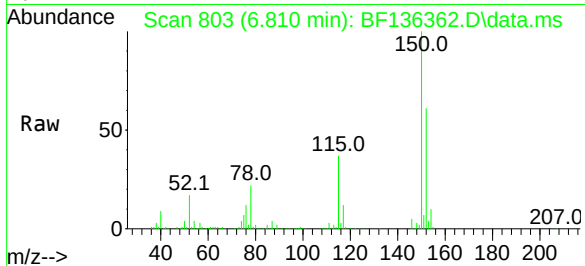




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.810 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

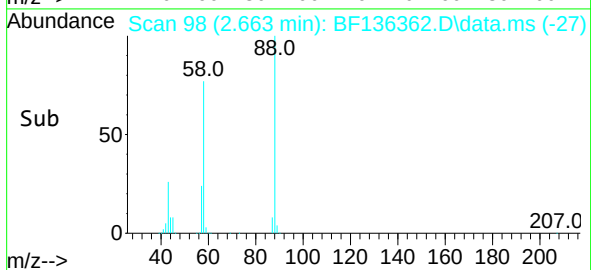
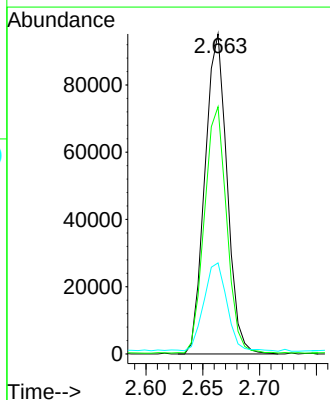
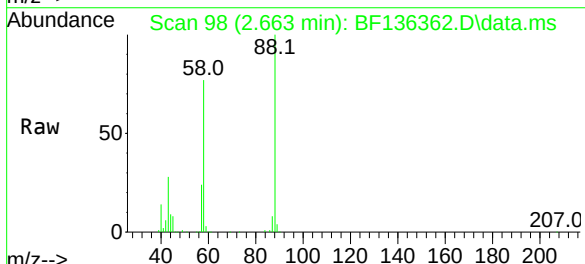
Instrument :  
 BNA\_F  
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 TP-3MSD

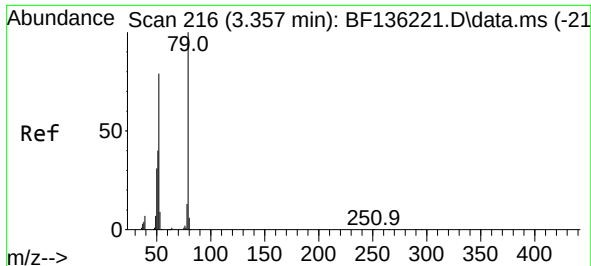
Tgt Ion:152 Resp: 119836  
 Ion Ratio Lower Upper  
 152 100  
 150 165.1 137.8 206.8  
 115 61.7 52.7 79.1



#2  
 1,4-Dioxane  
 Concen: 39.641 ng  
 RT: 2.663 min Scan# 98  
 Delta R.T. 0.065 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

Tgt Ion: 88 Resp: 129141  
 Ion Ratio Lower Upper  
 88 100  
 58 77.4 65.9 98.9  
 43 29.0 24.8 37.2





#3

Pyridine

Concen: 37.769 ng

RT: 3.416 min Scan# 216

Delta R.T. 0.059 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

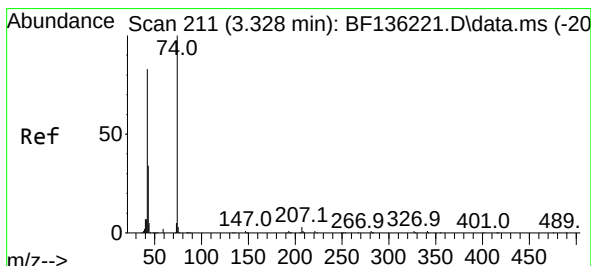
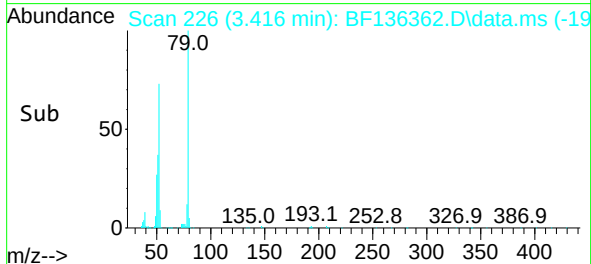
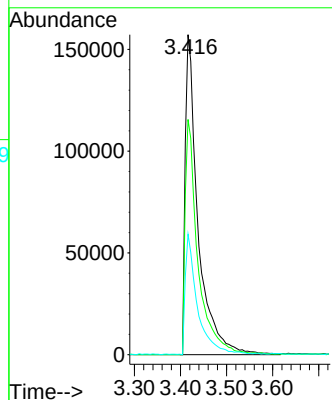
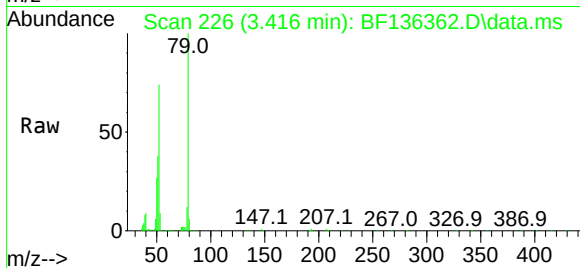
Tgt Ion: 79 Resp: 303732

Ion Ratio Lower Upper

79 100

52 73.5 63.2 94.8

51 37.6 32.6 49.0



#4

n-Nitrosodimethylamine

Concen: 38.458 ng

RT: 3.387 min Scan# 221

Delta R.T. 0.059 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

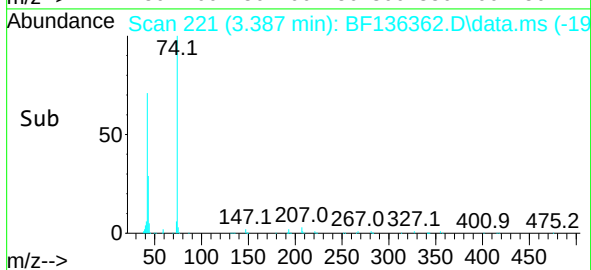
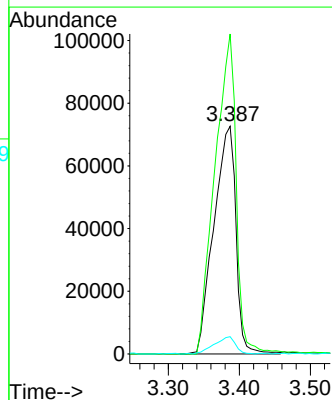
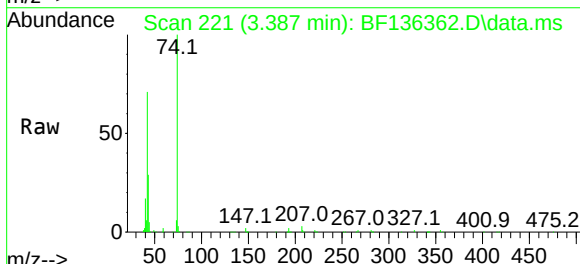
Tgt Ion: 42 Resp: 156333

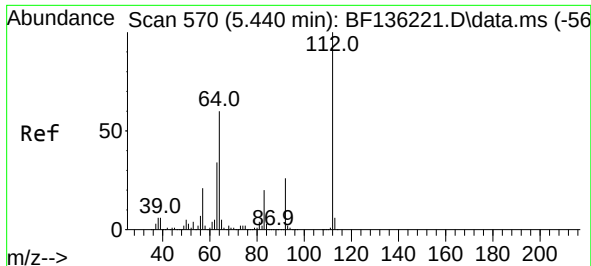
Ion Ratio Lower Upper

42 100

74 140.6 96.6 144.8

44 7.6 5.4 8.2

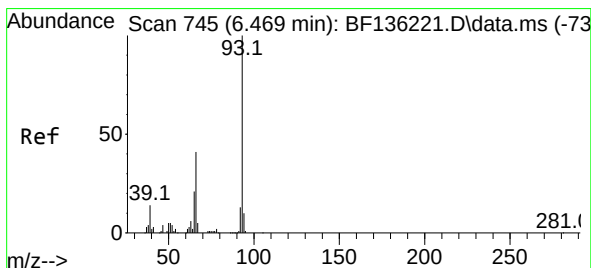
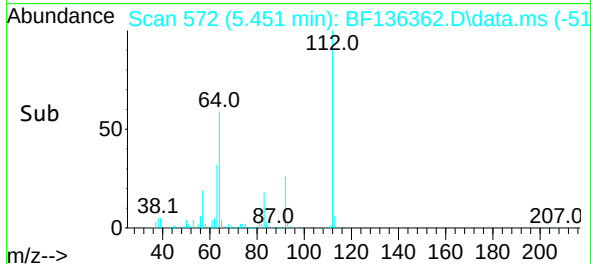
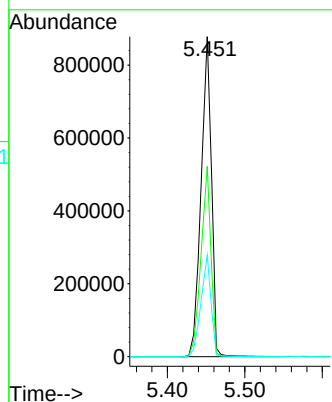
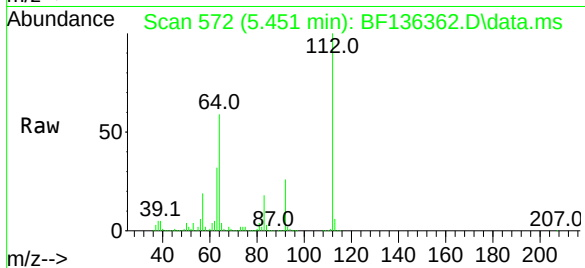




#5  
2-Fluorophenol  
Concen: 94.842 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

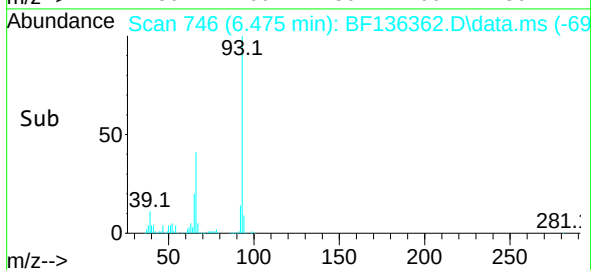
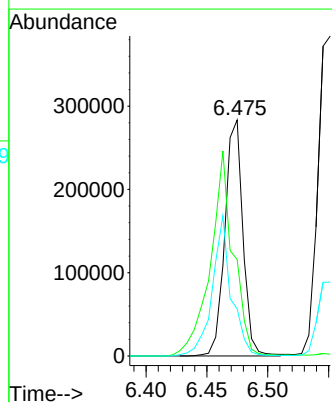
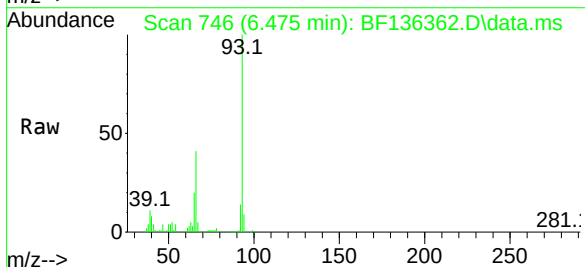
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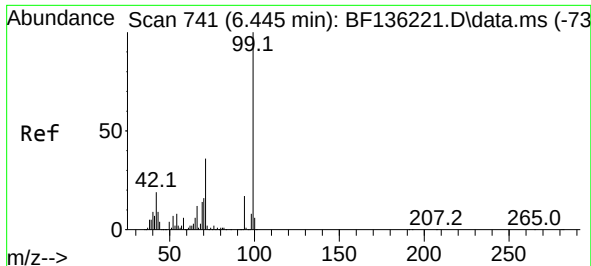
Tgt Ion:112 Resp: 816571  
Ion Ratio Lower Upper  
112 100  
64 59.4 48.2 72.4  
63 31.7 27.0 40.6



#6  
Aniline  
Concen: 28.777 ng  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion: 93 Resp: 292817  
Ion Ratio Lower Upper  
93 100  
66 40.9 34.1 51.1  
65 20.0 17.3 25.9





#7

Phenol-d6

Concen: 89.793 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

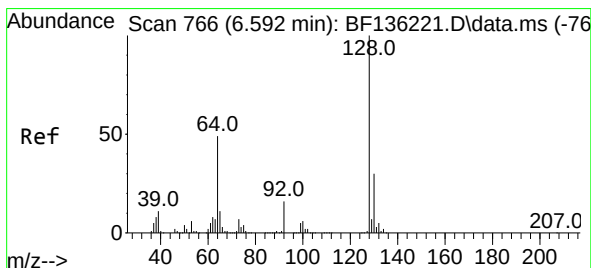
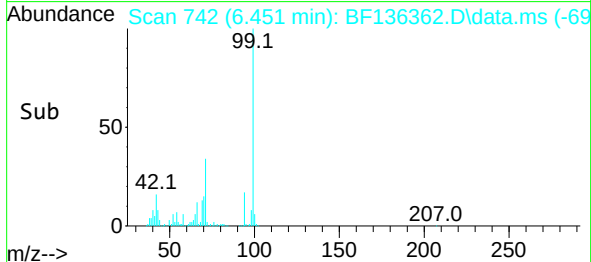
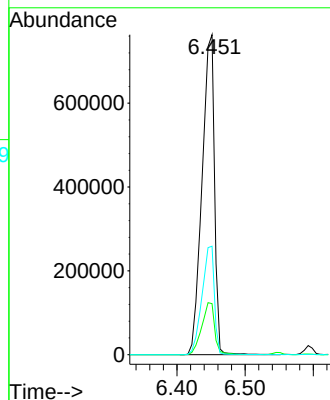
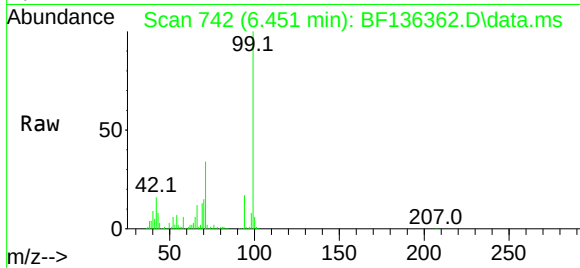
BNA\_F

ClientSampleId :

TP-3MSD

Tgt Ion: 99 Resp: 966661

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.9  | 15.0  | 22.6  |
| 71  | 33.9  | 28.9  | 43.3  |



#8

2-Chlorophenol

Concen: 41.020 ng

RT: 6.593 min Scan# 766

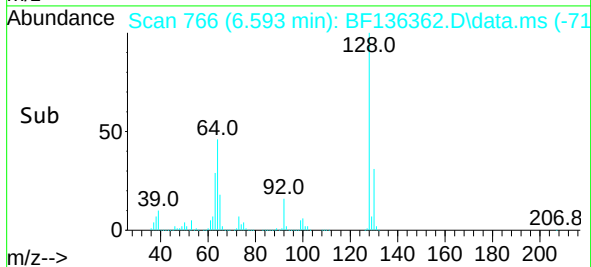
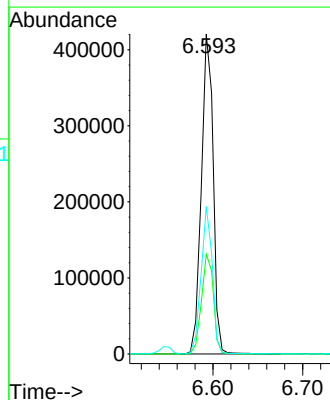
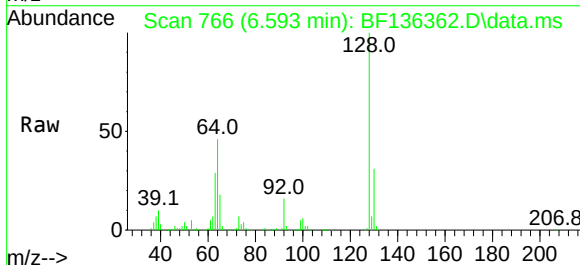
Delta R.T. 0.000 min

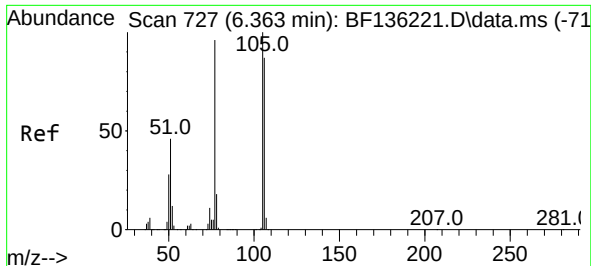
Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Tgt Ion: 128 Resp: 384555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.2  | 10.3  | 50.3  |
| 64  | 46.1  | 30.0  | 70.0  |





#9

Benzaldehyde

Concen: 7.424 ng

RT: 6.357 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136362.D

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Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

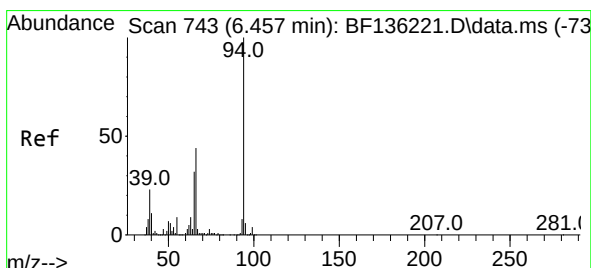
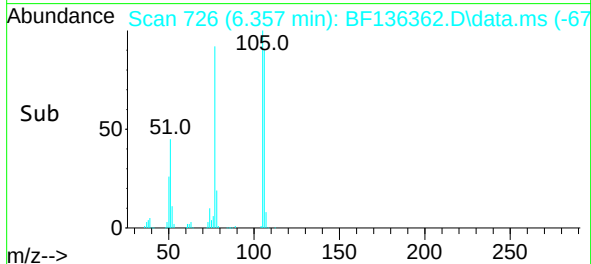
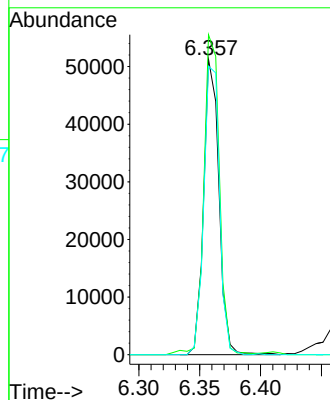
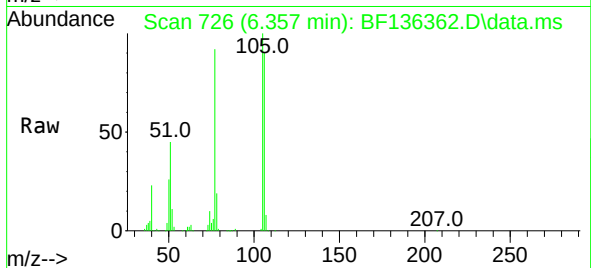
Tgt Ion: 77 Resp: 44543

Ion Ratio Lower Upper

77 100

105 108.4 84.3 124.3

106 97.7 71.0 111.0



#10

Phenol

Concen: 39.056 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

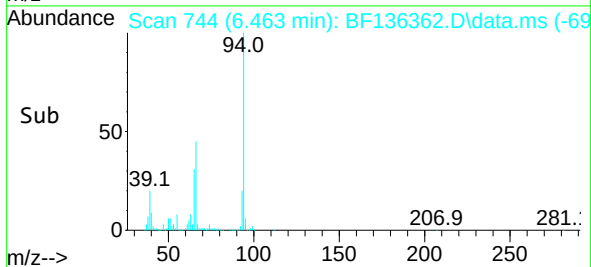
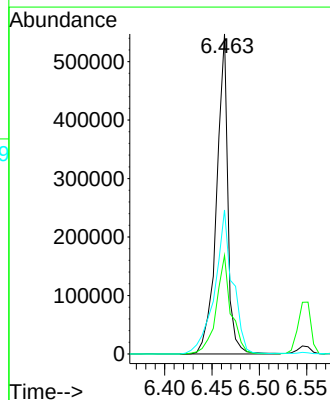
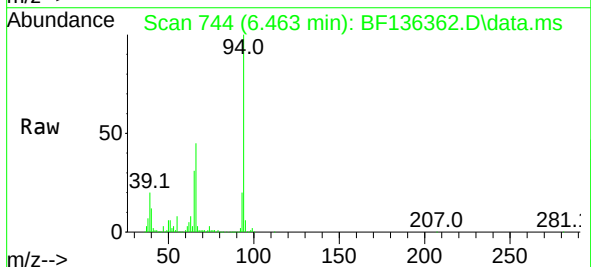
Tgt Ion: 94 Resp: 451073

Ion Ratio Lower Upper

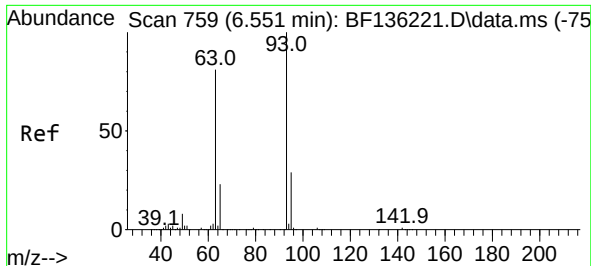
94 100

65 30.8 12.5 52.5

66 45.0 24.1 64.1



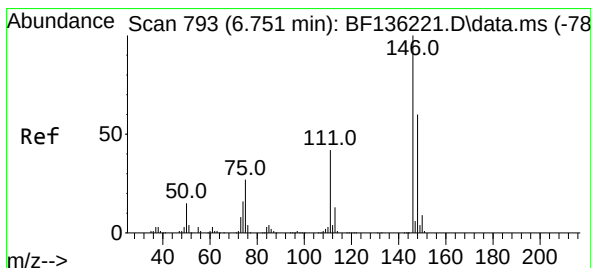
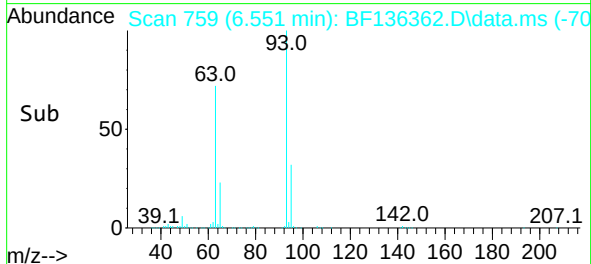
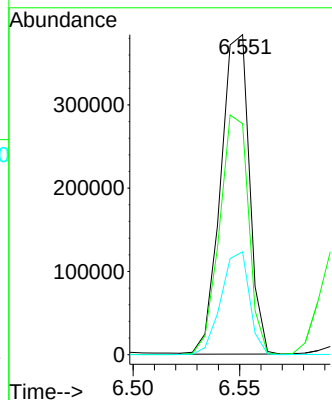
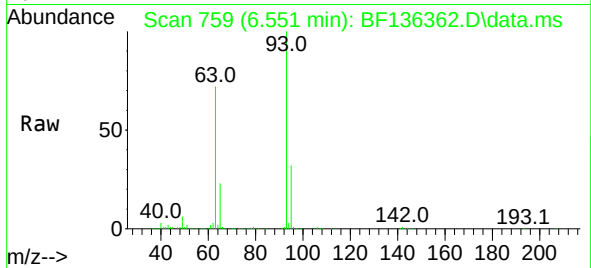




#11  
bis(2-Chloroethyl)ether  
Concen: 42.505 ng  
RT: 6.551 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

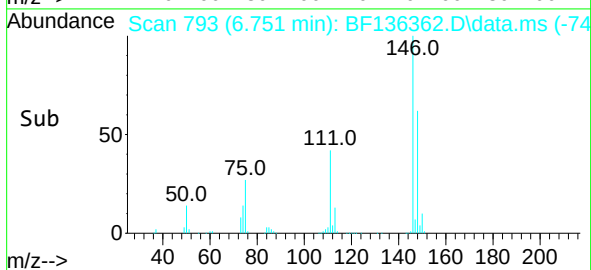
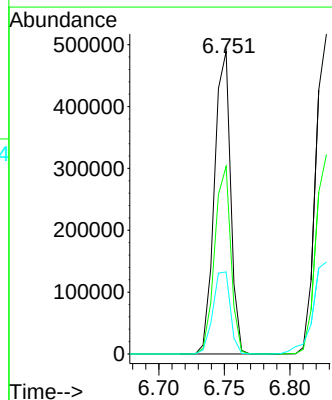
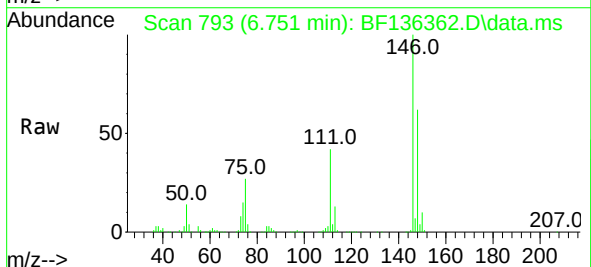
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

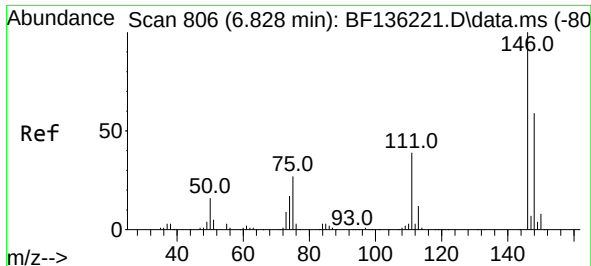
Tgt Ion: 93 Resp: 360138  
Ion Ratio Lower Upper  
93 100  
63 72.2 60.2 100.2  
95 32.2 9.1 49.1



#12  
1,3-Dichlorobenzene  
Concen: 39.528 ng  
RT: 6.751 min Scan# 793  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion: 146 Resp: 420527  
Ion Ratio Lower Upper  
146 100  
148 62.0 47.8 71.6  
75 27.1 22.0 33.0





#13

1,4-Dichlorobenzene

Concen: 39.257 ng

RT: 6.828 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

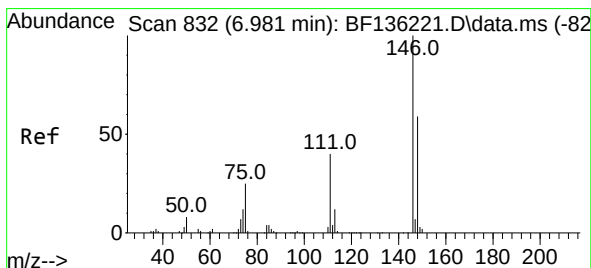
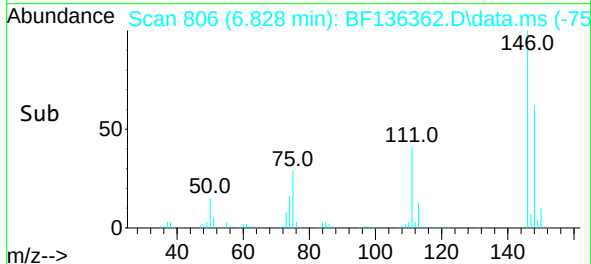
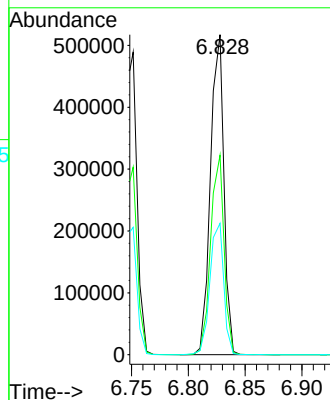
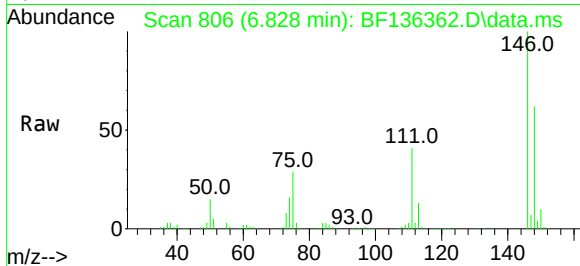
Tgt Ion:146 Resp: 424579

Ion Ratio Lower Upper

146 100

148 62.4 47.0 70.6

111 41.1 31.5 47.3



#14

1,2-Dichlorobenzene

Concen: 38.990 ng

RT: 6.975 min Scan# 831

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

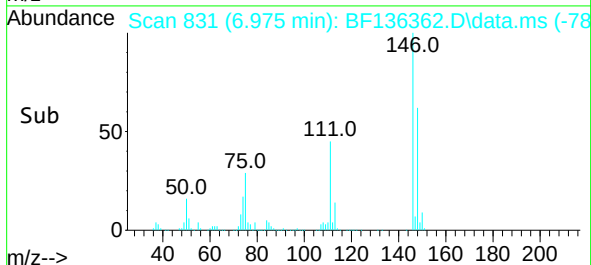
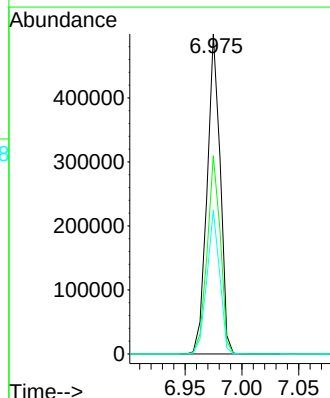
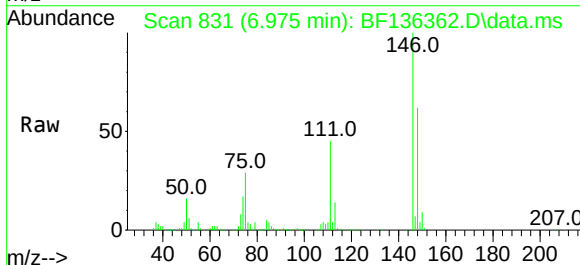
Tgt Ion:146 Resp: 399213

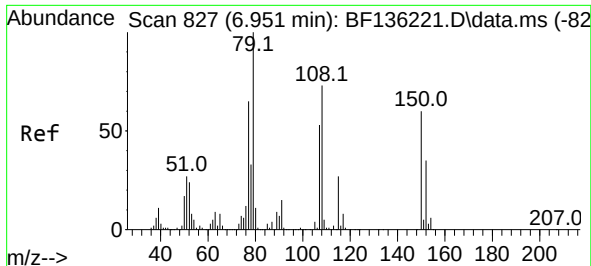
Ion Ratio Lower Upper

146 100

148 61.9 47.3 70.9

111 45.0 32.4 48.6

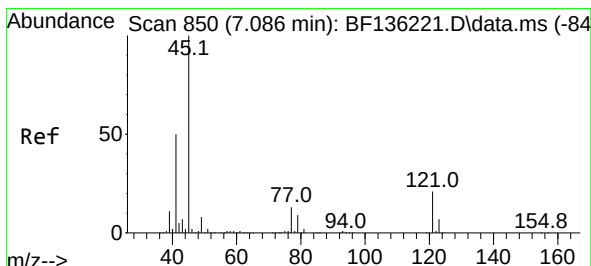
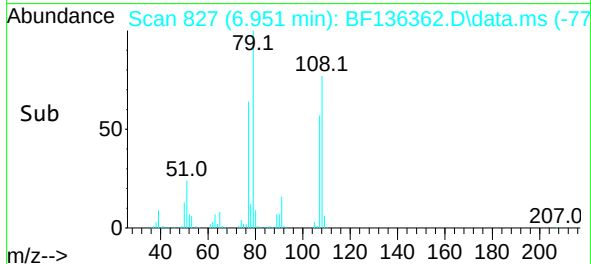
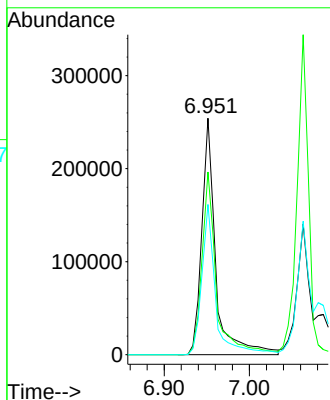
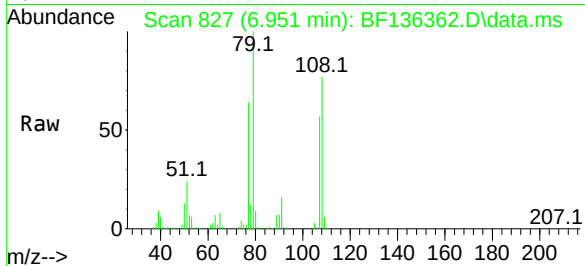




#15  
Benzyl Alcohol  
Concen: 38.396 ng  
RT: 6.951 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

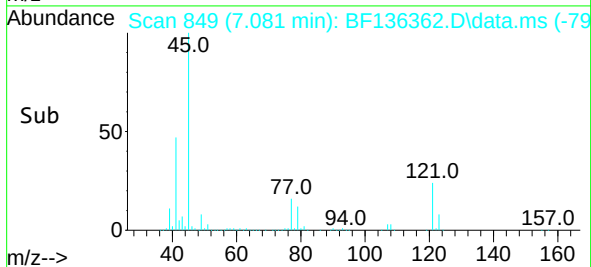
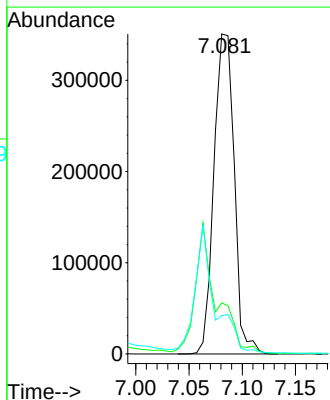
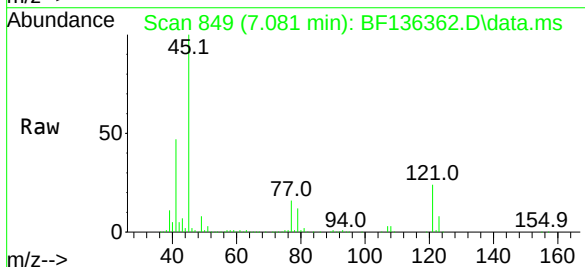
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

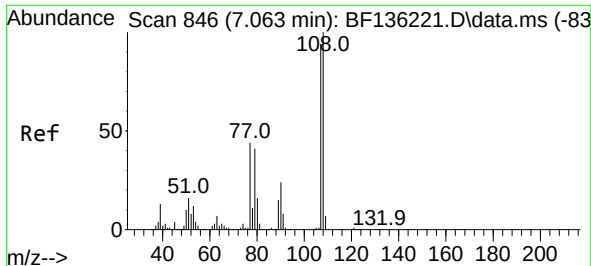
Tgt Ion: 79 Resp: 289806  
Ion Ratio Lower Upper  
79 100  
108 77.3 58.1 87.1  
77 63.5 51.8 77.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.386 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion: 45 Resp: 463527  
Ion Ratio Lower Upper  
45 100  
77 15.9 0.0 34.0  
79 12.0 0.0 30.1



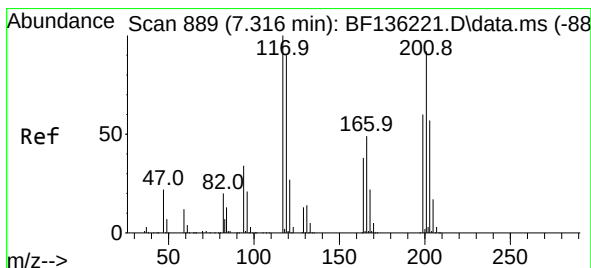
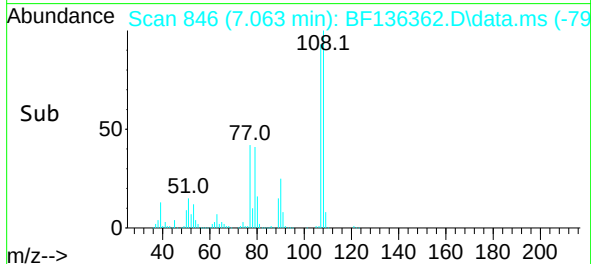
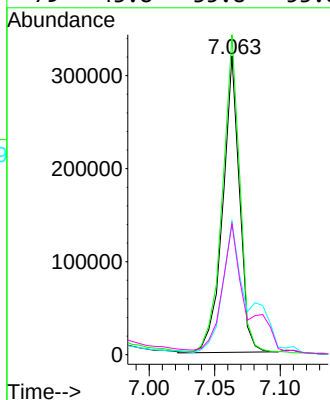
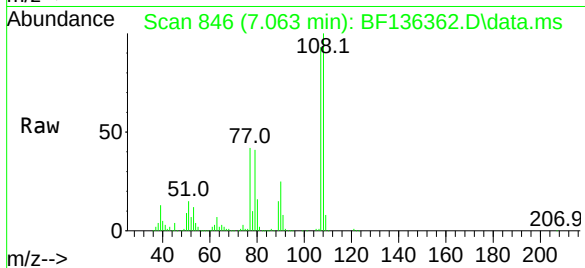


#17  
2-Methylphenol  
Concen: 38.396 ng  
RT: 7.063 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

Tgt Ion:107 Resp: 282987

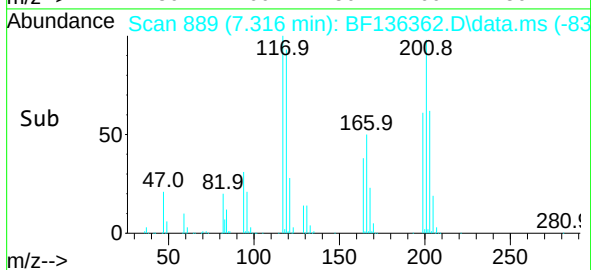
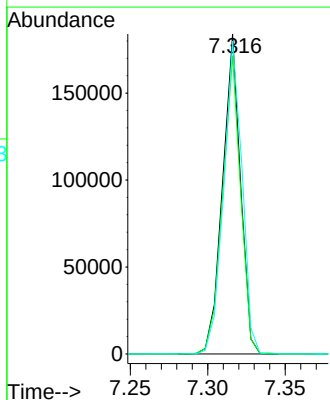
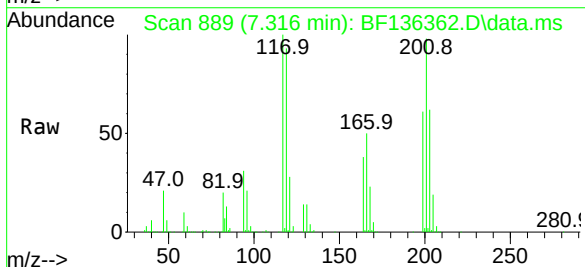
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 107.1 | 85.4  | 128.0 |
| 77  | 44.7  | 37.4  | 56.2  |
| 79  | 43.8  | 35.8  | 53.8  |

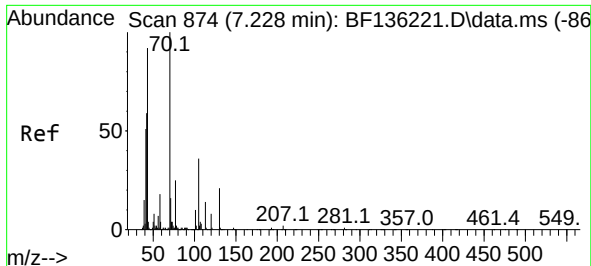


#18  
Hexachloroethane  
Concen: 38.919 ng  
RT: 7.316 min Scan# 889  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:117 Resp: 147642

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 93.2  | 71.6  | 107.4 |
| 201 | 97.8  | 73.4  | 110.2 |

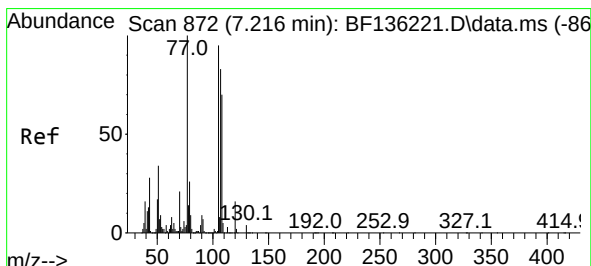
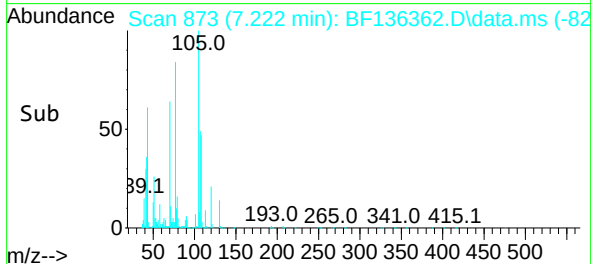
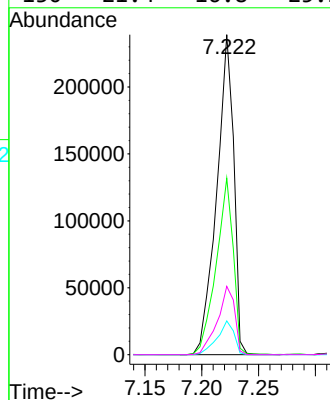
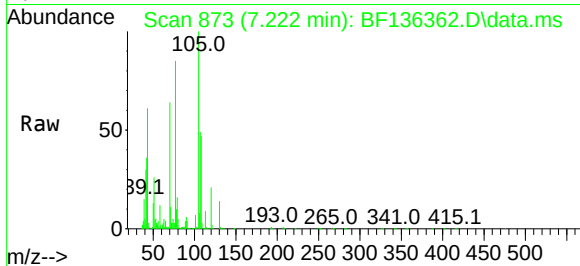




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.895 ng  
RT: 7.222 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

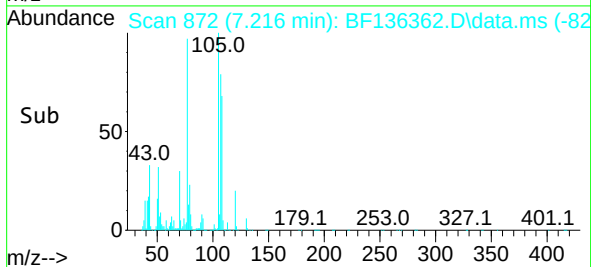
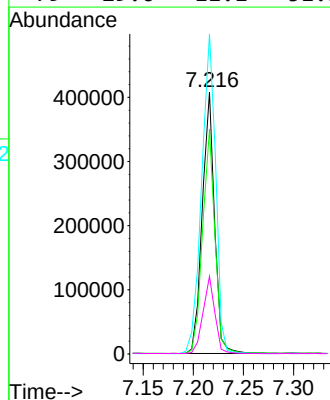
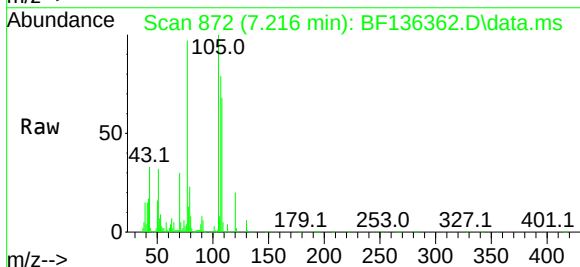
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

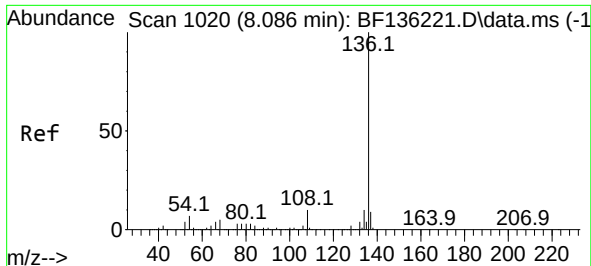
Tgt Ion: 70 Resp: 250431  
Ion Ratio Lower Upper  
70 100  
42 55.1 47.0 70.4  
101 10.5 7.8 11.8  
130 21.4 16.8 25.2



#20  
3+4-Methylphenols  
Concen: 36.367 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion: 107 Resp: 348343  
Ion Ratio Lower Upper  
107 100  
108 85.7 63.9 103.9  
77 122.2 100.2 140.2  
79 29.6 11.1 51.1

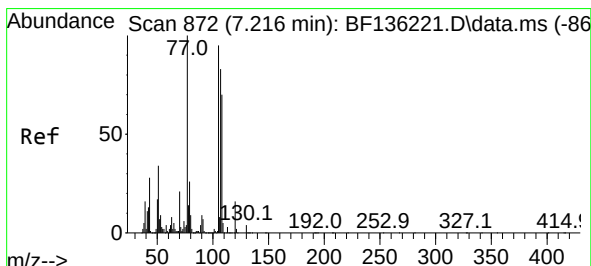
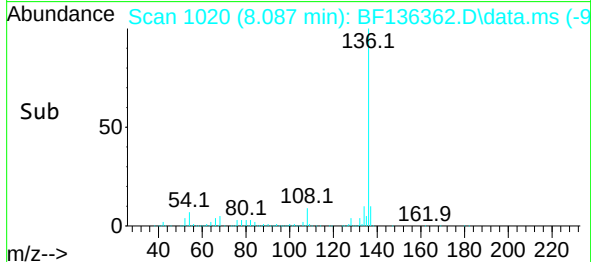
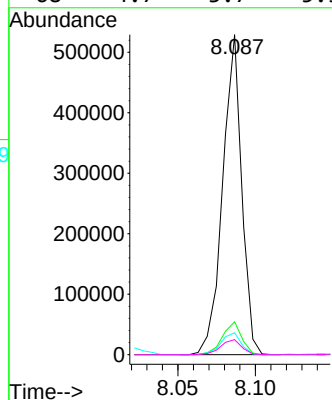
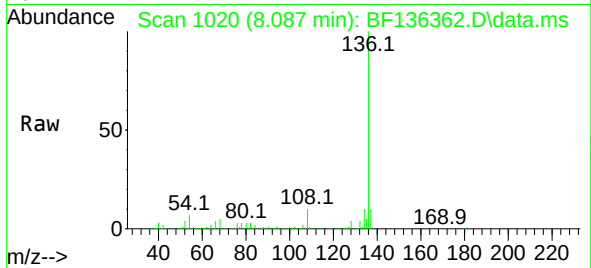




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.087 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

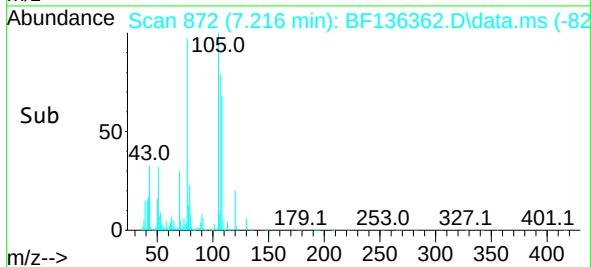
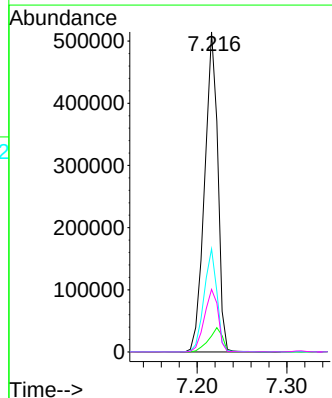
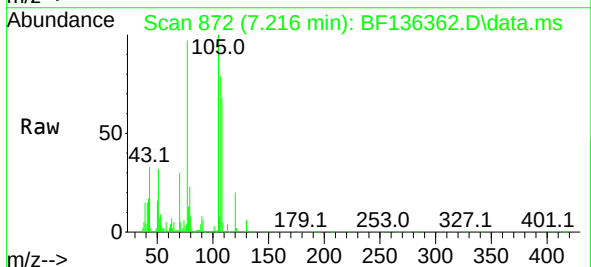
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

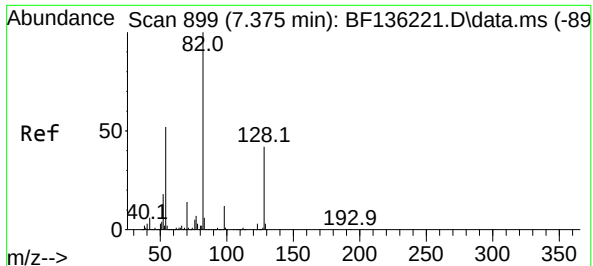
Tgt Ion:136 Resp: 451538  
Ion Ratio Lower Upper  
136 100  
137 10.3 7.4 11.2  
54 6.8 5.5 8.3  
68 4.7 3.7 5.5



#22  
Acetophenone  
Concen: 44.251 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:105 Resp: 524762  
Ion Ratio Lower Upper  
105 100  
71 5.0 2.8 4.2#  
51 32.2 29.0 43.6  
120 19.6 13.9 20.9





#23

Nitrobenzene-d5

Concen: 70.188 ng

RT: 7.369 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

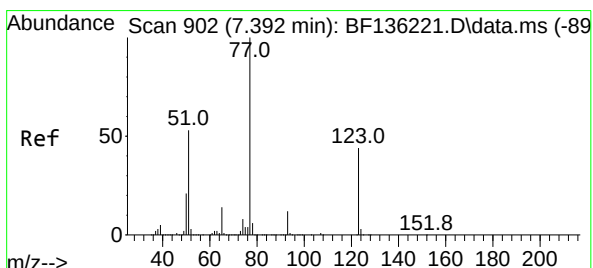
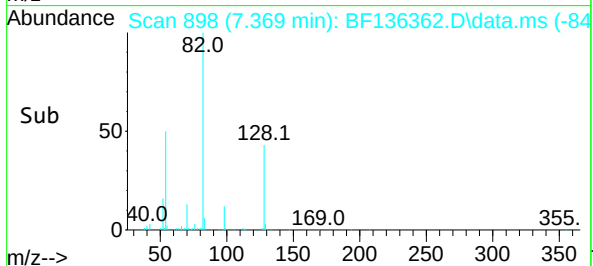
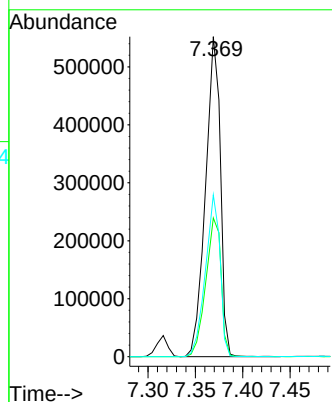
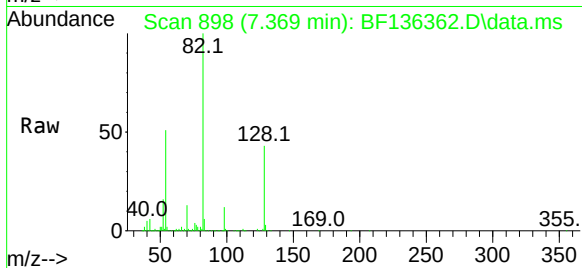
Tgt Ion: 82 Resp: 599750

Ion Ratio Lower Upper

82 100

128 43.3 33.4 50.2

54 50.6 41.7 62.5



#24

Nitrobenzene

Concen: 42.182 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

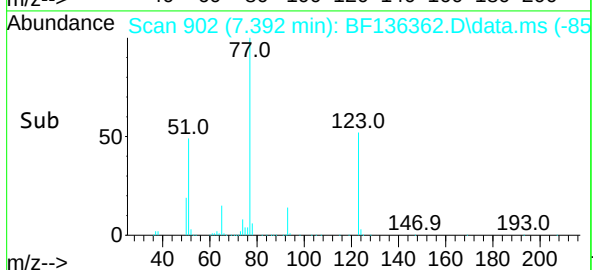
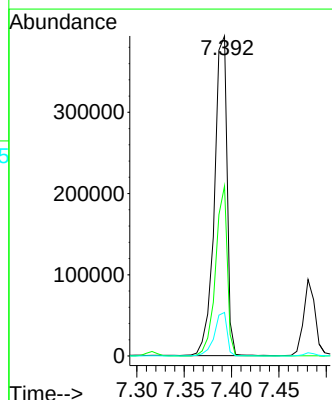
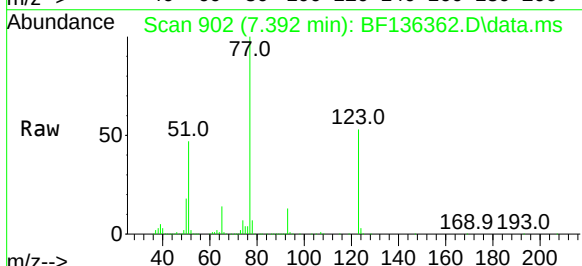
Tgt Ion: 77 Resp: 365260

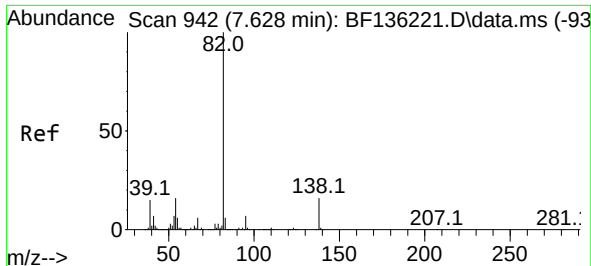
Ion Ratio Lower Upper

77 100

123 53.1 35.4 53.2

65 13.6 11.0 16.6

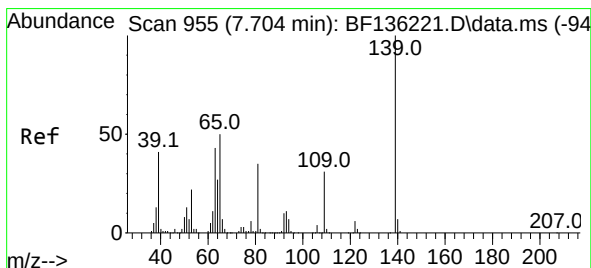
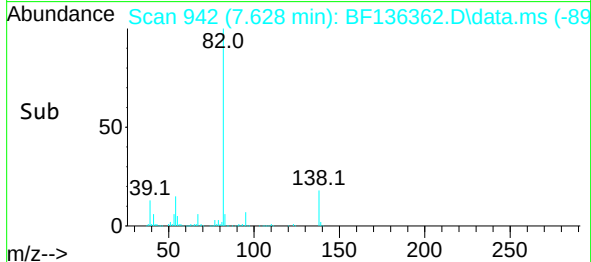
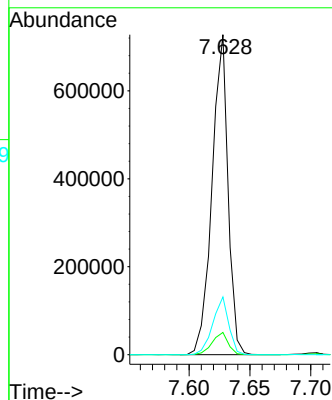
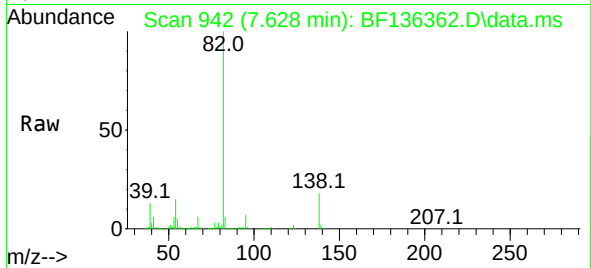




#25  
Isophorone  
Concen: 43.006 ng  
RT: 7.628 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

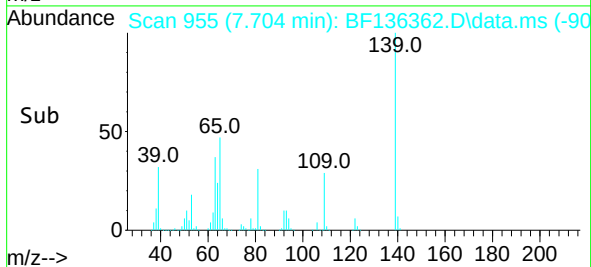
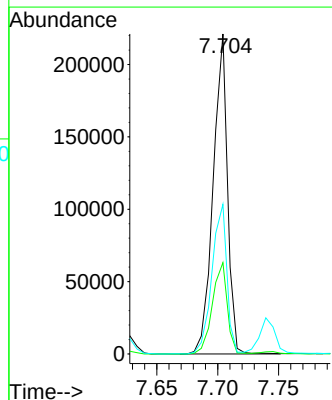
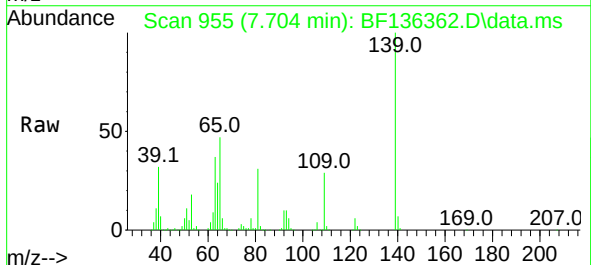
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

Tgt Ion: 82 Resp: 662627  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.5 8.3  
138 18.0 12.8 19.2

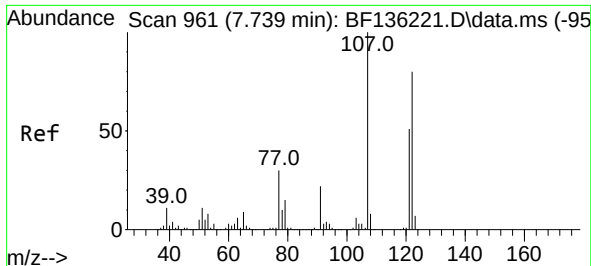


#26  
2-Nitrophenol  
Concen: 49.010 ng  
RT: 7.704 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion: 139 Resp: 180823  
Ion Ratio Lower Upper  
139 100  
109 28.5 25.0 37.6  
65 46.8 40.4 60.6







#27

2,4-Dimethylphenol

Concen: 49.876 ng

RT: 7.740 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

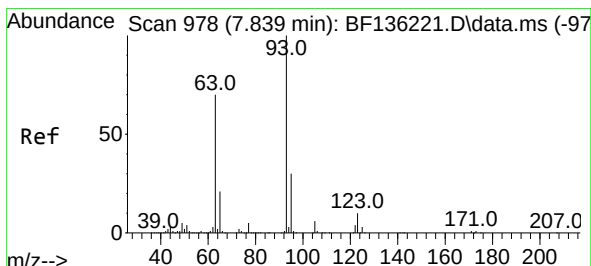
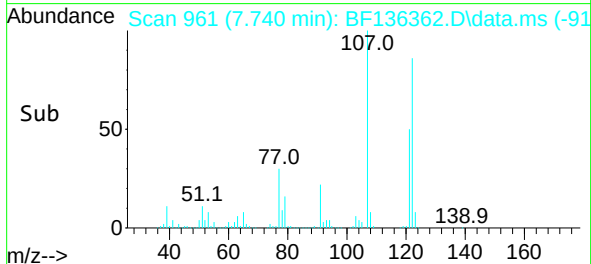
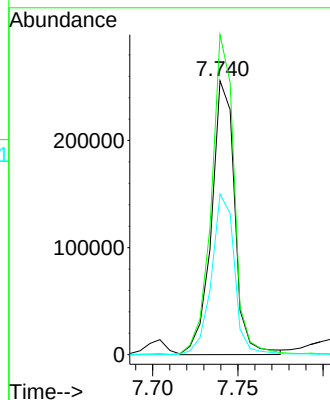
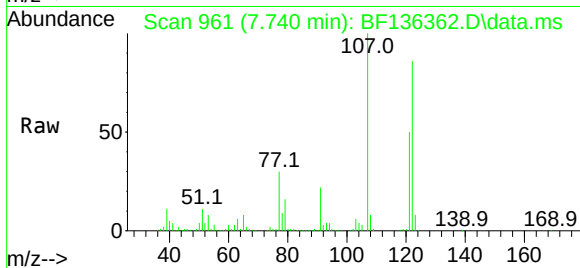
Tgt Ion:122 Resp: 242203

Ion Ratio Lower Upper

122 100

107 116.8 100.0 150.0

121 58.6 50.7 76.1



#28

bis(2-Chloroethoxy)methane

Concen: 44.111 ng

RT: 7.840 min Scan# 978

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

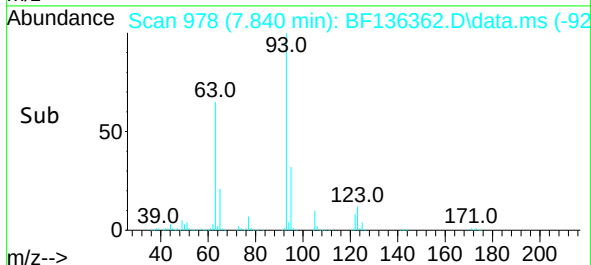
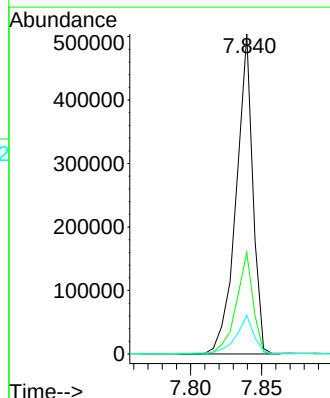
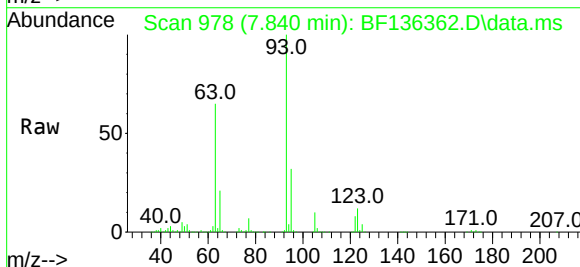
Tgt Ion: 93 Resp: 411102

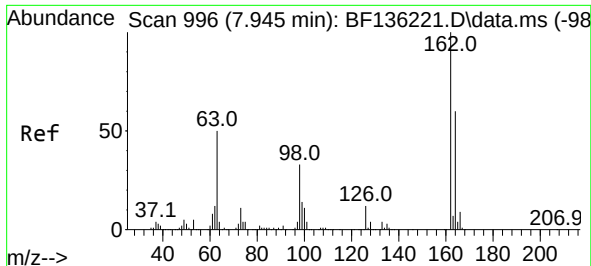
Ion Ratio Lower Upper

93 100

95 31.7 23.8 35.6

123 12.1 8.2 12.4





#29

2,4-Dichlorophenol

Concen: 41.319 ng

RT: 7.945 min Scan# 996

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

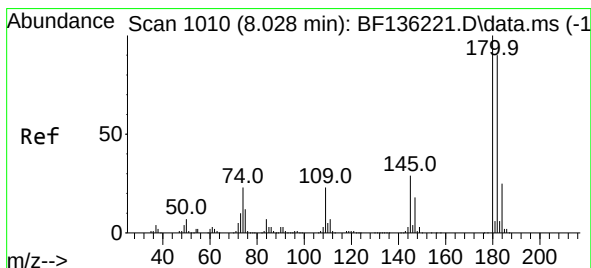
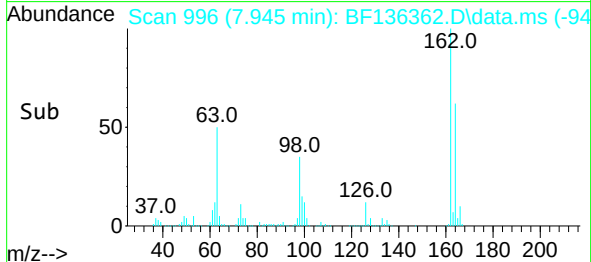
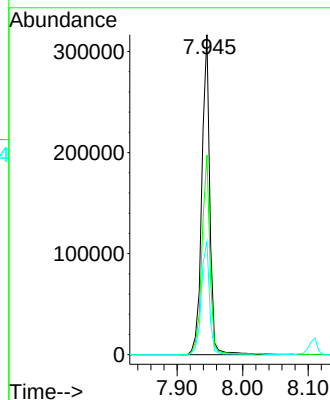
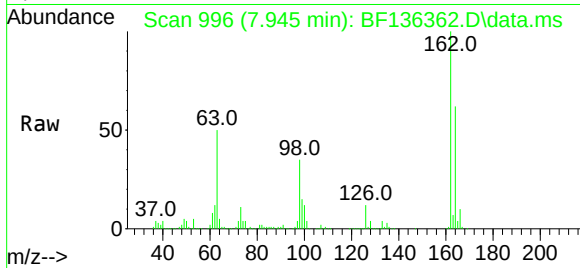
Tgt Ion:162 Resp: 270640

Ion Ratio Lower Upper

162 100

164 62.4 40.3 80.3

98 35.3 13.0 53.0



#30

1,2,4-Trichlorobenzene

Concen: 41.977 ng

RT: 8.028 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

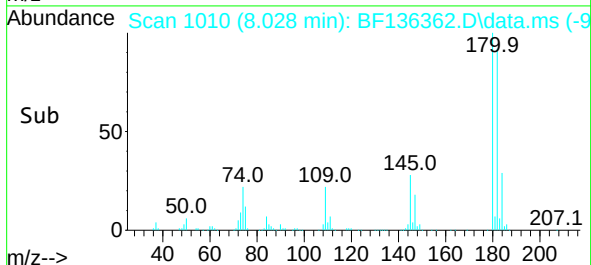
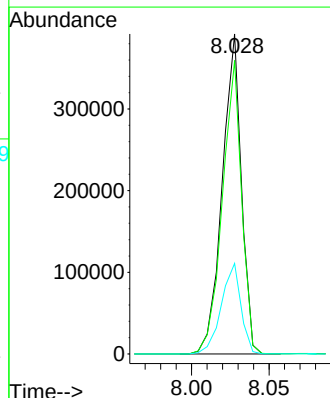
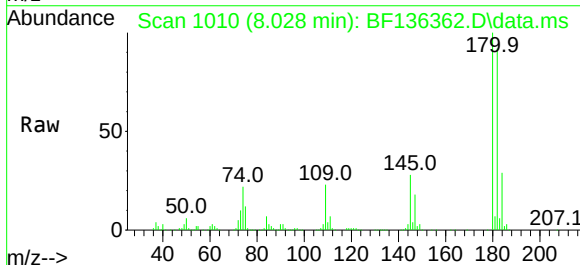
Tgt Ion:180 Resp: 336630

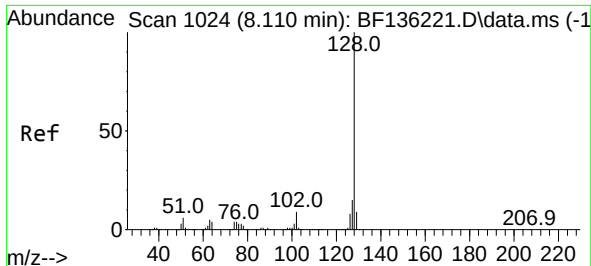
Ion Ratio Lower Upper

180 100

182 91.7 71.6 107.4

145 28.3 23.0 34.4

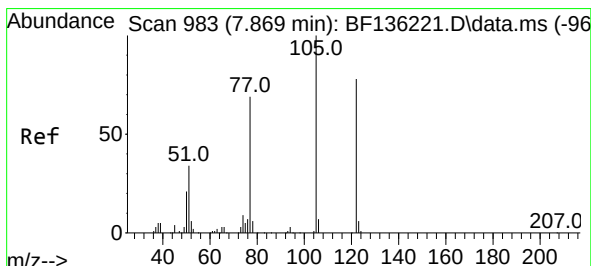
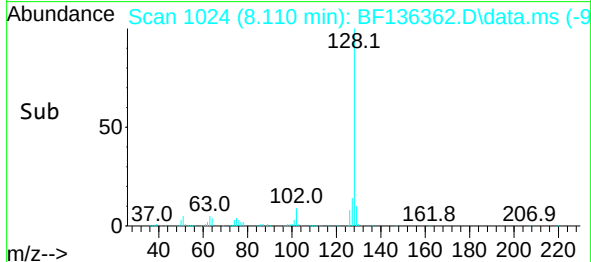
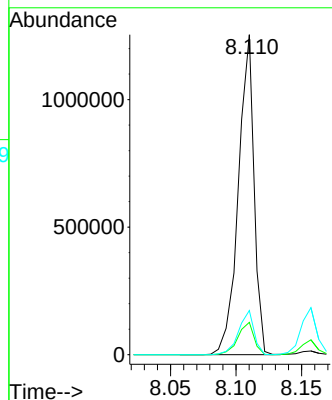
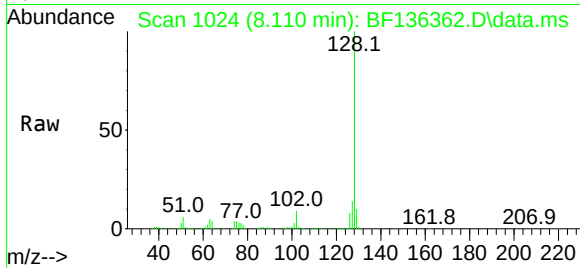




#31  
Naphthalene  
Concen: 41.288 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

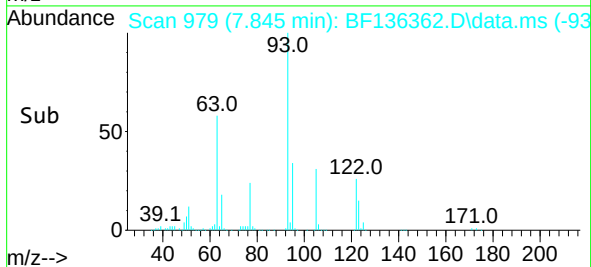
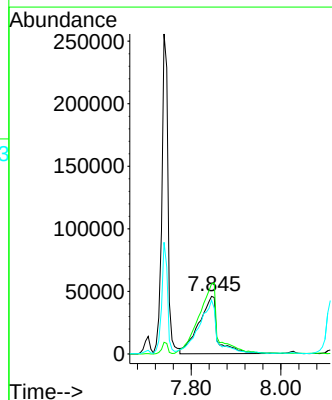
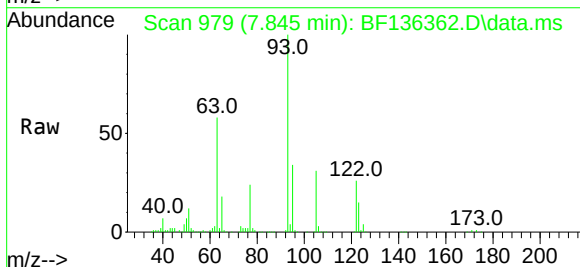
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

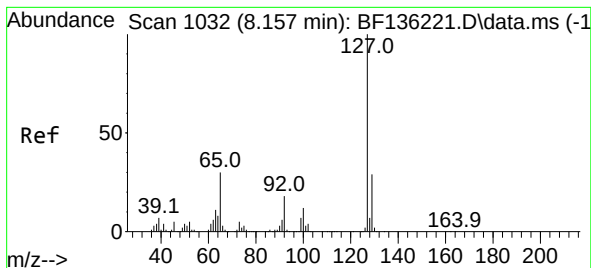
Tgt Ion:128 Resp: 1047897  
Ion Ratio Lower Upper  
128 100  
129 10.1 7.3 10.9  
127 13.8 11.8 17.6



#32  
Benzoic acid  
Concen: 30.608 ng  
RT: 7.845 min Scan# 979  
Delta R.T. -0.023 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:122 Resp: 135465  
Ion Ratio Lower Upper  
122 100  
105 121.4 103.7 143.7  
77 93.1 66.8 106.8





#33

4-Chloroaniline

Concen: 19.000 ng

RT: 8.157 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

Tgt Ion:127 Resp: 163911

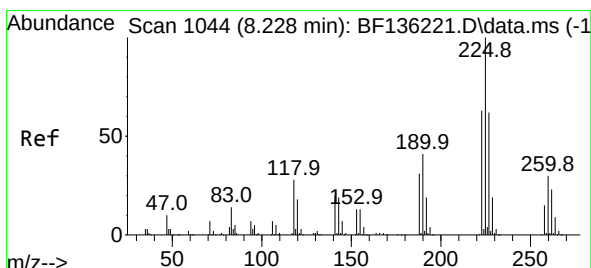
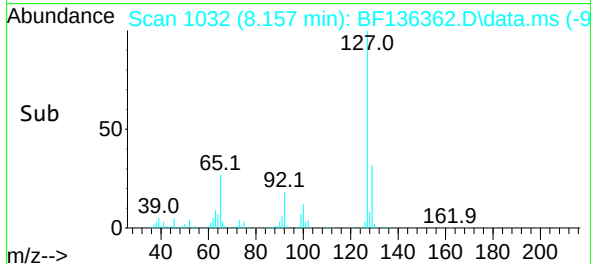
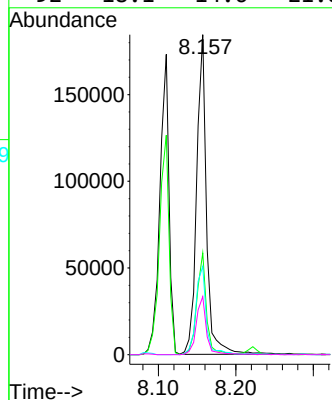
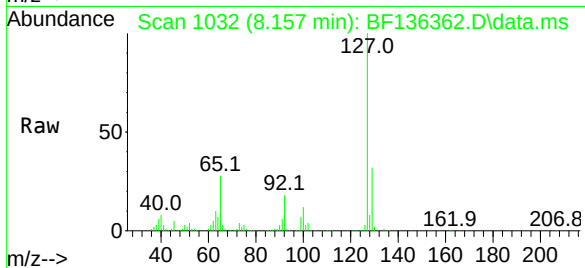
Ion Ratio Lower Upper

127 100

129 31.8 23.4 35.2

65 27.6 23.8 35.6

92 18.1 14.6 21.8



#34

Hexachlorobutadiene

Concen: 41.846 ng

RT: 8.222 min Scan# 1043

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

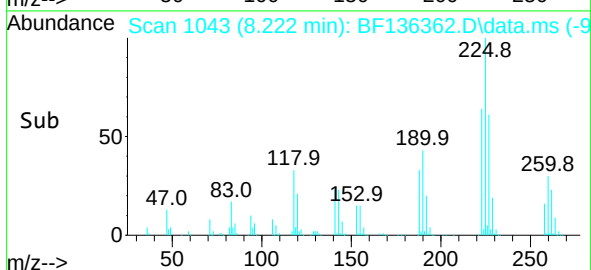
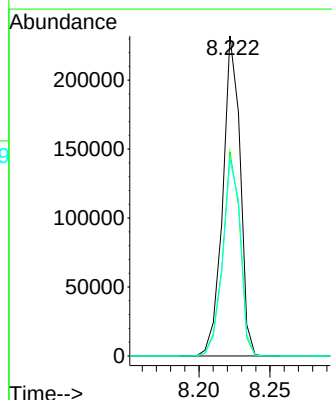
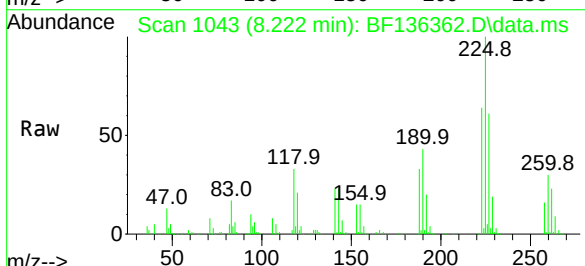
Tgt Ion:225 Resp: 196328

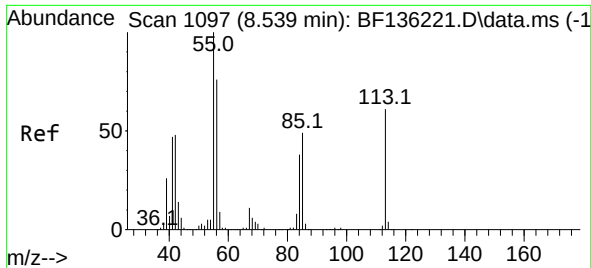
Ion Ratio Lower Upper

225 100

223 63.7 50.6 75.8

227 61.4 49.6 74.4

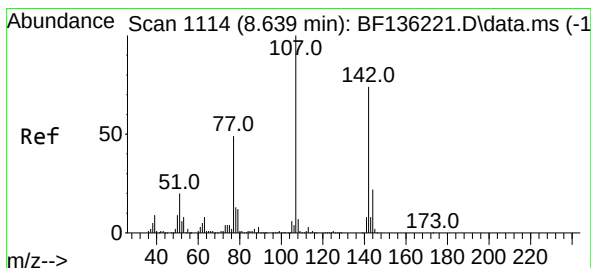
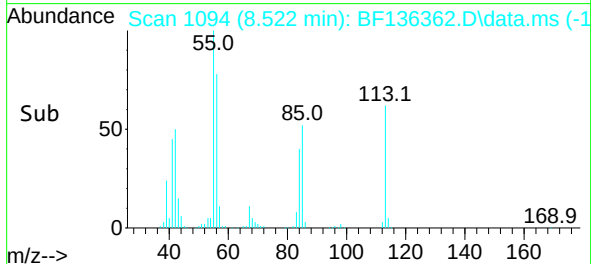
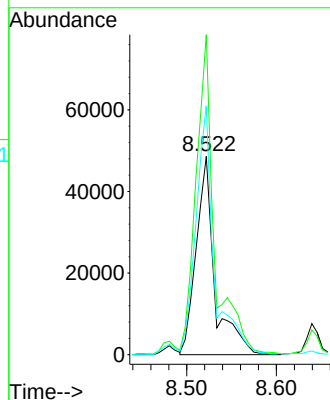
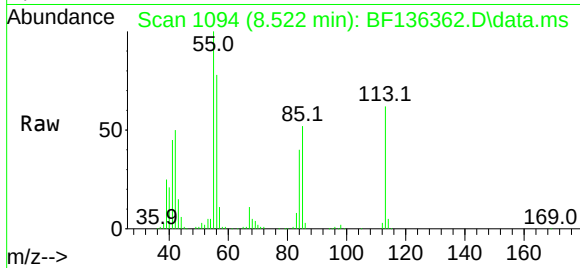




#35  
Caprolactam  
Concen: 38.484 ng  
RT: 8.522 min Scan# 1094  
Delta R.T. -0.018 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

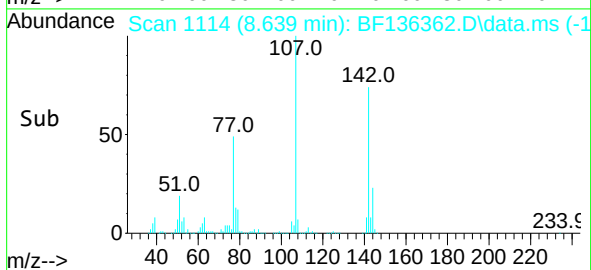
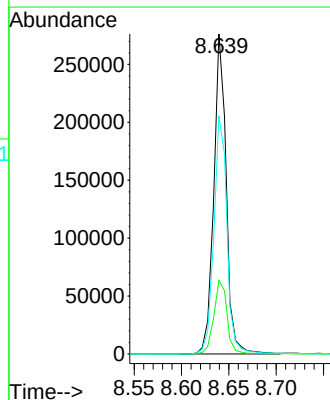
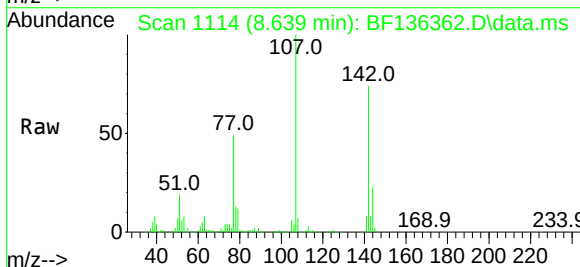
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

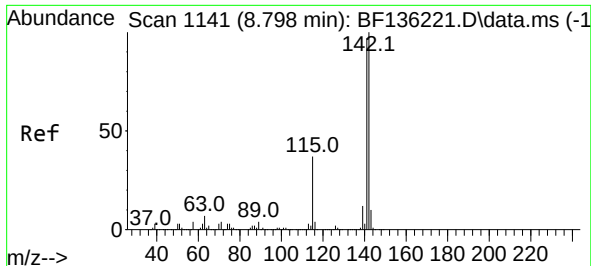
Tgt Ion:113 Resp: 70468  
Ion Ratio Lower Upper  
113 100  
55 161.4 143.1 183.1  
56 125.5 103.6 143.6



#36  
4-Chloro-3-methylphenol  
Concen: 35.521 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:107 Resp: 252338  
Ion Ratio Lower Upper  
107 100  
144 23.0 17.8 26.8  
142 74.4 59.4 89.0





#37

2-Methylnaphthalene

Concen: 37.819 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

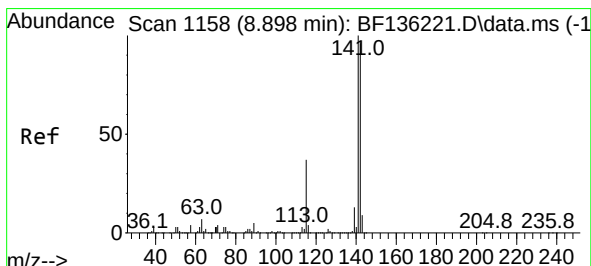
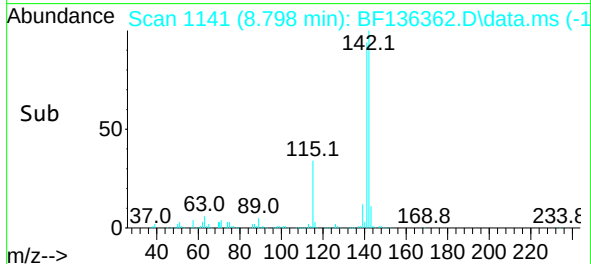
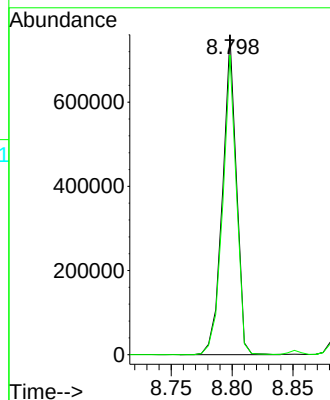
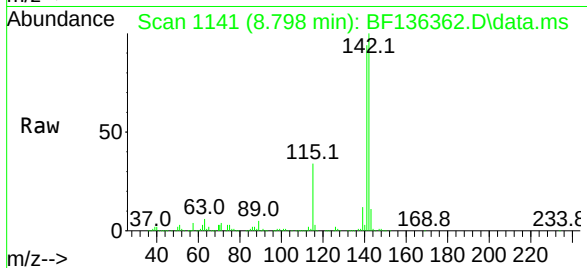
TP-3MSD

Tgt Ion:142 Resp: 602103

Ion Ratio Lower Upper

142 100

141 93.6 77.8 116.8



#38

1-Methylnaphthalene

Concen: 36.901 ng

RT: 8.898 min Scan# 1158

Delta R.T. 0.000 min

Lab File: BF136362.D

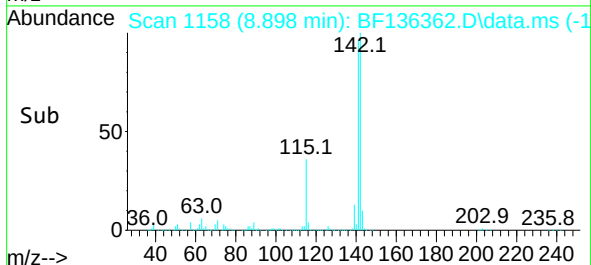
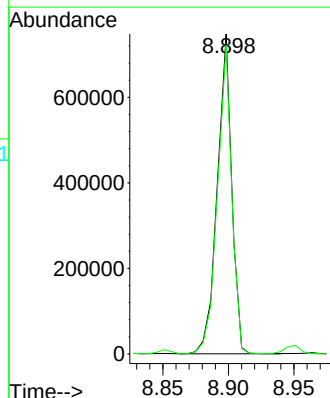
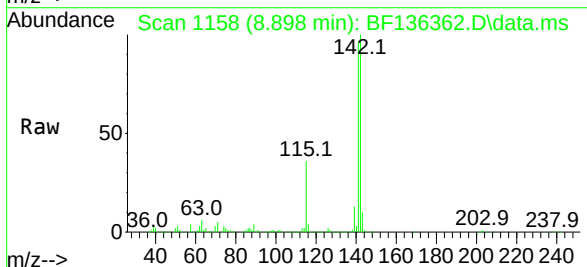
Acq: 02 Dec 2023 05:43

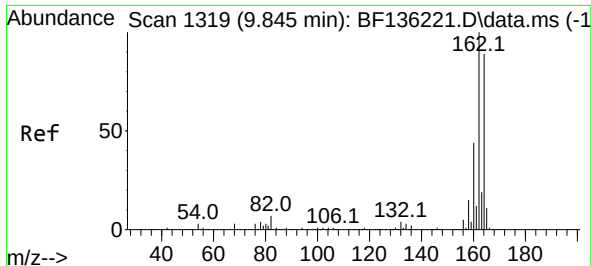
Tgt Ion:142 Resp: 573105

Ion Ratio Lower Upper

142 100

141 96.5 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

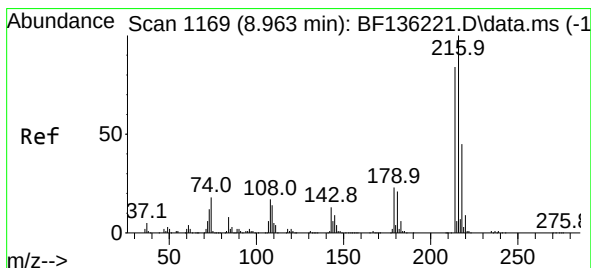
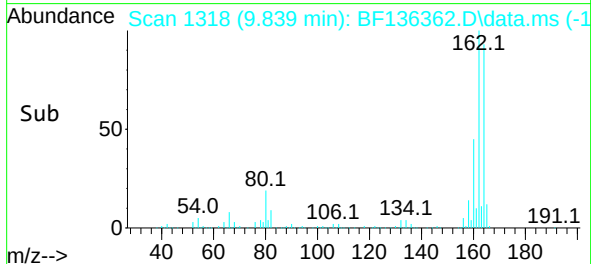
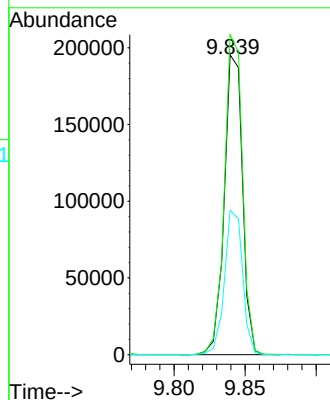
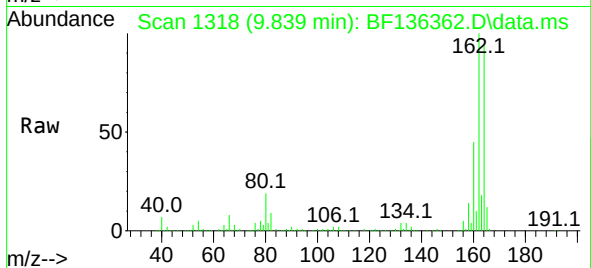
Tgt Ion:164 Resp: 174566

Ion Ratio Lower Upper

164 100

162 106.7 89.5 134.3

160 48.1 39.6 59.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.480 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Tgt Ion:216 Resp: 286000

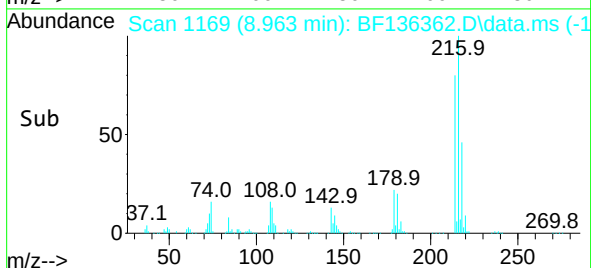
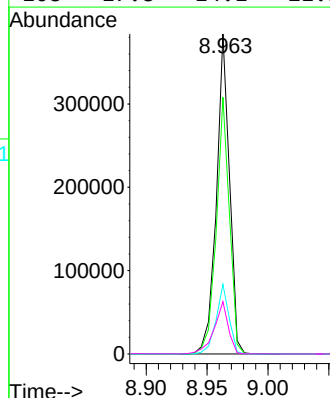
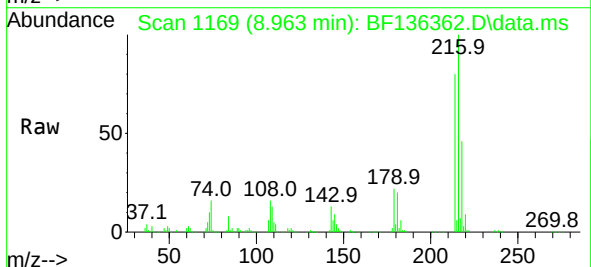
Ion Ratio Lower Upper

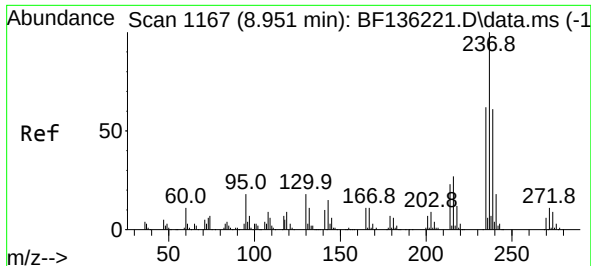
216 100

214 80.0 65.8 98.8

179 21.5 17.4 26.0

108 17.8 14.1 21.1

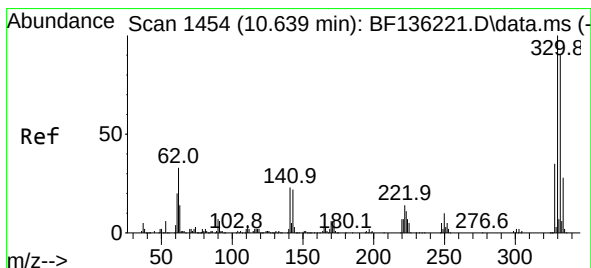
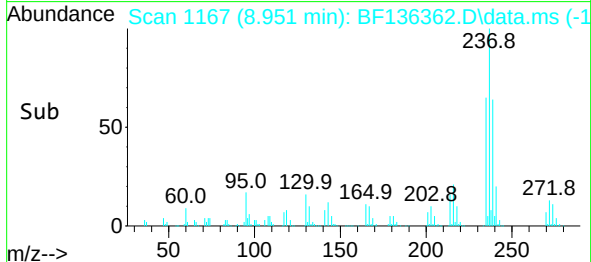
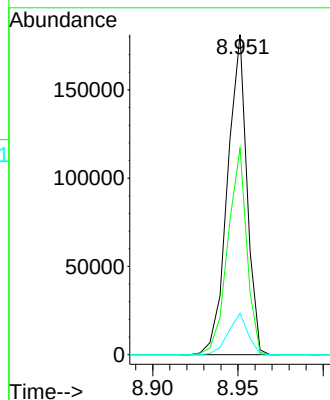
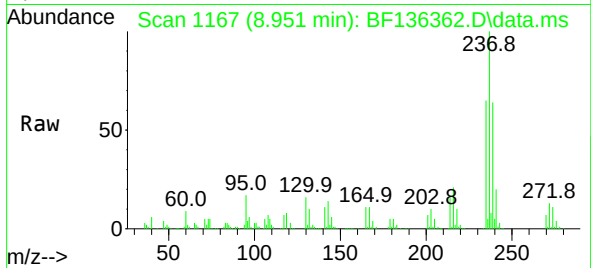




#41  
Hexachlorocyclopentadiene  
Concen: 66.938 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

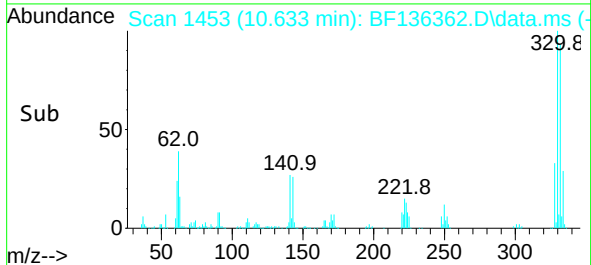
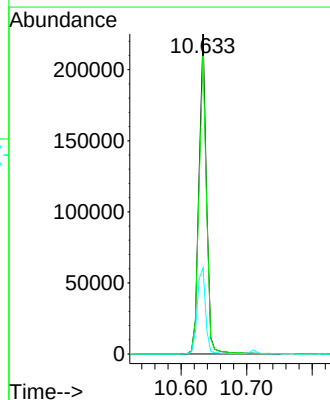
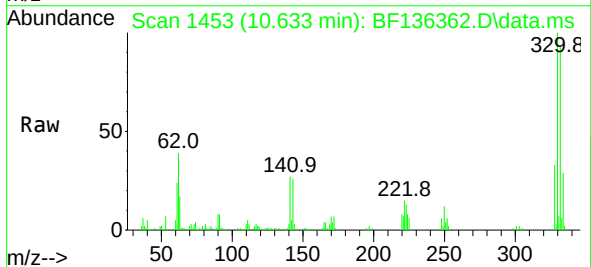
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

Tgt Ion: 237 Resp: 143094  
Ion Ratio Lower Upper  
237 100  
235 64.5 42.1 82.1  
272 12.9 0.0 31.0

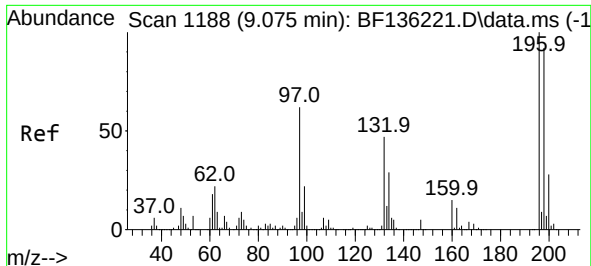


#42  
2,4,6-Tribromophenol  
Concen: 84.174 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion: 330 Resp: 179645  
Ion Ratio Lower Upper  
330 100  
332 94.2 73.0 109.6  
141 30.0 24.2 36.2







#43

2,4,6-Trichlorophenol

Concen: 44.623 ng

RT: 9.075 min Scan# 1188

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

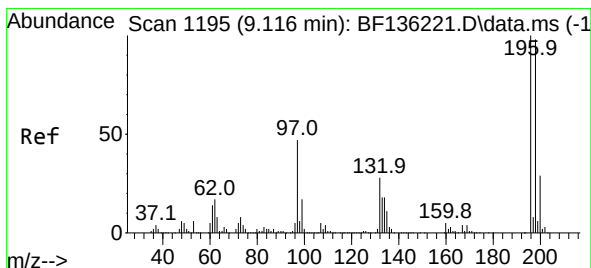
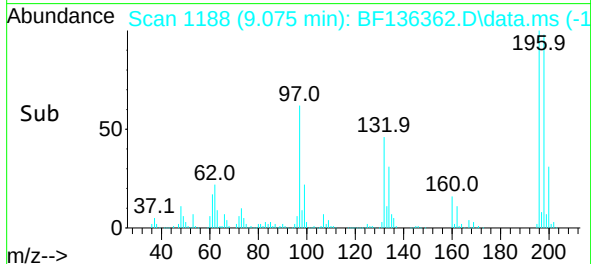
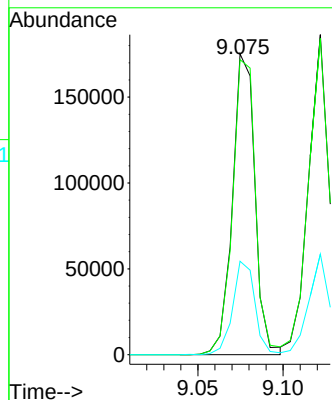
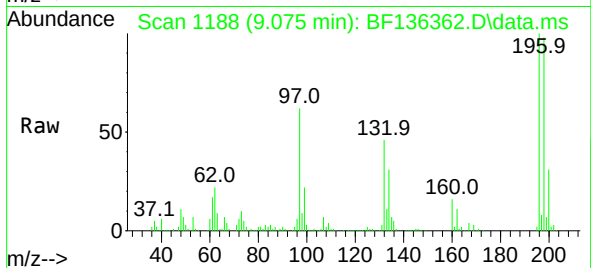
Tgt Ion:196 Resp: 160908

Ion Ratio Lower Upper

196 100

198 98.1 73.2 109.8

200 31.1 22.4 33.6



#44

2,4,5-Trichlorophenol

Concen: 41.437 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Tgt Ion:196 Resp: 163059

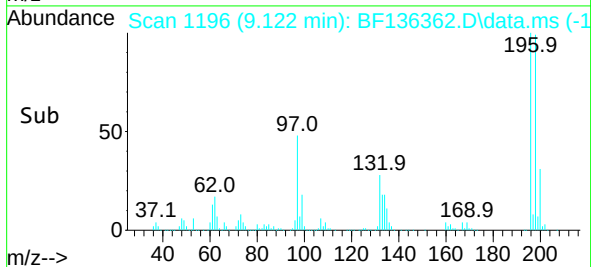
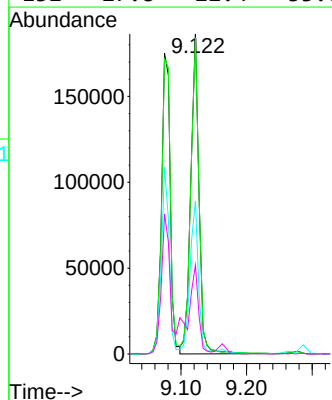
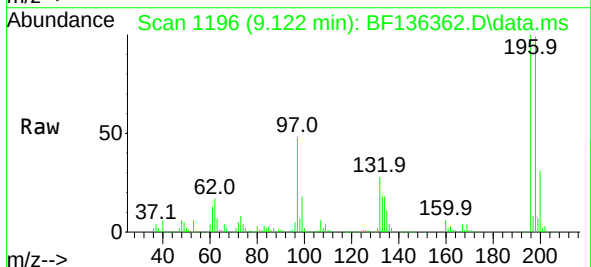
Ion Ratio Lower Upper

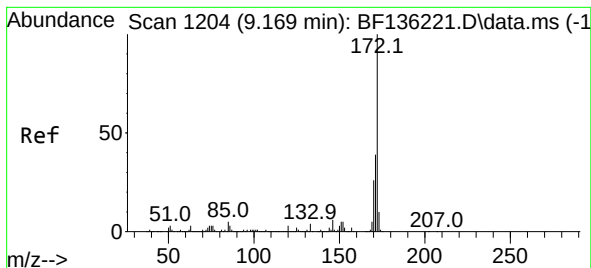
196 100

198 98.8 78.8 118.2

97 47.8 37.8 56.8

132 27.8 22.4 33.6





#45

2-Fluorobiphenyl

Concen: 74.370 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

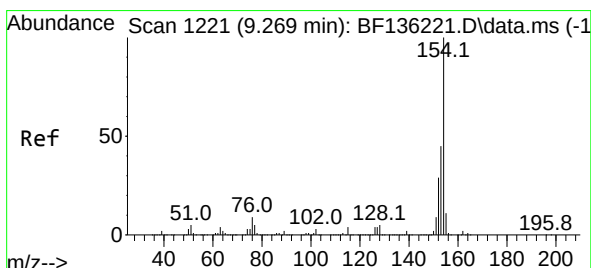
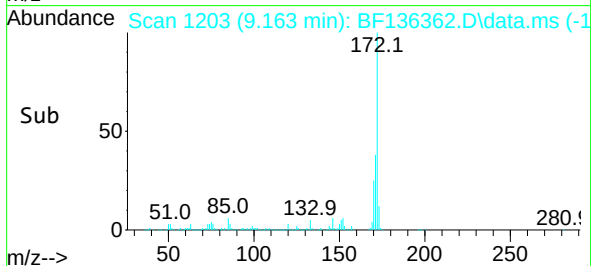
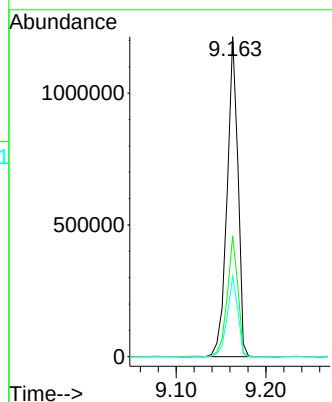
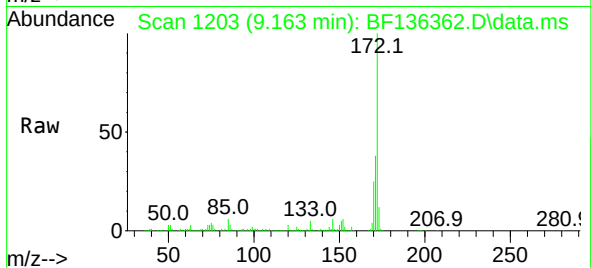
Tgt Ion:172 Resp: 1016396

Ion Ratio Lower Upper

172 100

171 37.7 31.5 47.3

170 25.1 20.8 31.2



#46

1,1'-Biphenyl

Concen: 48.748 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

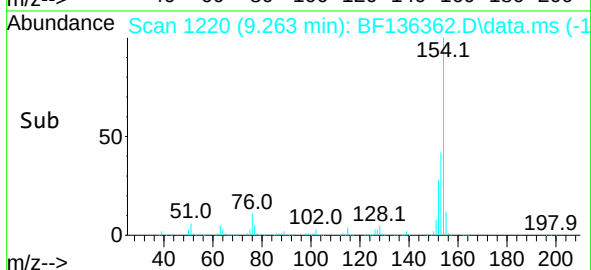
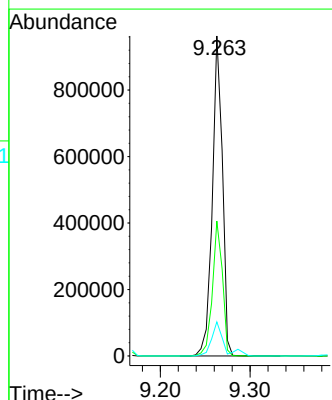
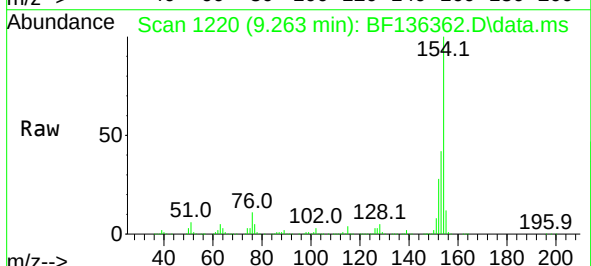
Tgt Ion:154 Resp: 750433

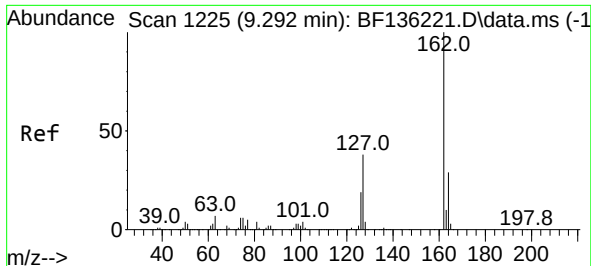
Ion Ratio Lower Upper

154 100

153 42.2 24.6 64.6

76 10.7 0.0 29.4





#47

2-Chloronaphthalene

Concen: 44.911 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

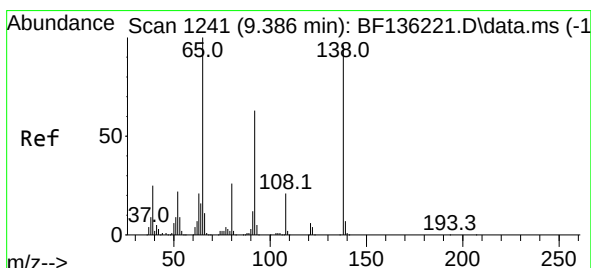
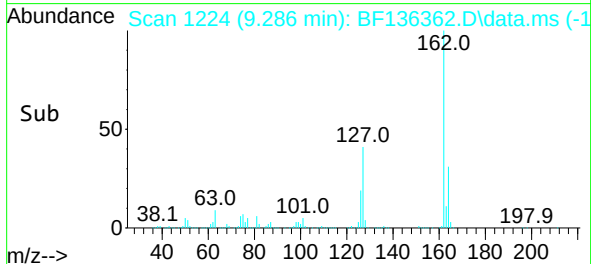
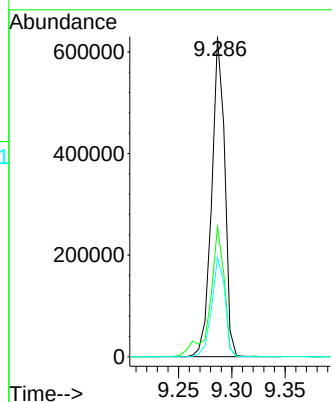
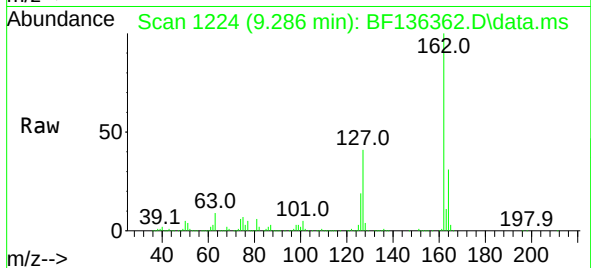
Tgt Ion:162 Resp: 536897

Ion Ratio Lower Upper

162 100

127 40.6 30.2 45.2

164 31.0 22.8 34.2



#48

2-Nitroaniline

Concen: 43.869 ng

RT: 9.386 min Scan# 1241

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

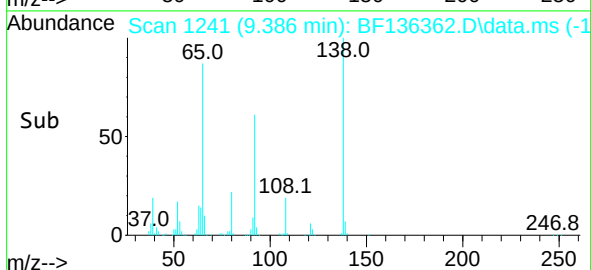
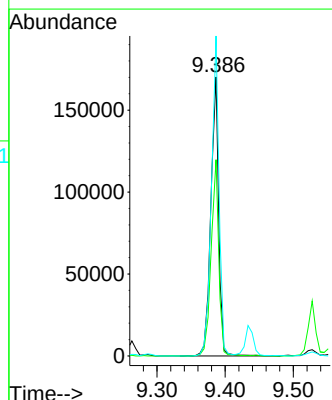
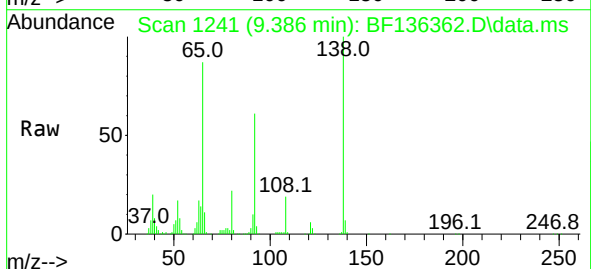
Tgt Ion: 65 Resp: 136923

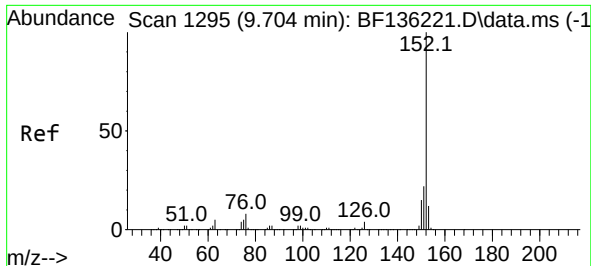
Ion Ratio Lower Upper

65 100

92 70.4 50.6 75.8

138 114.7 76.7 115.1

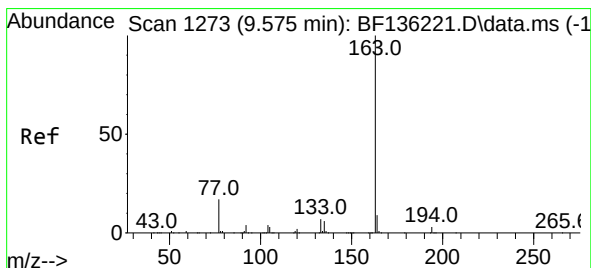
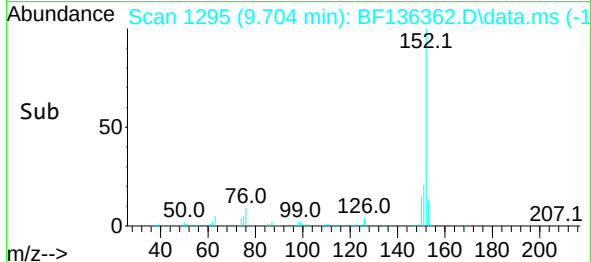
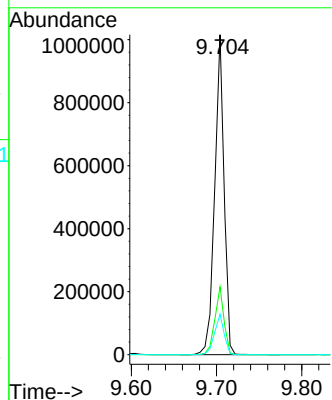
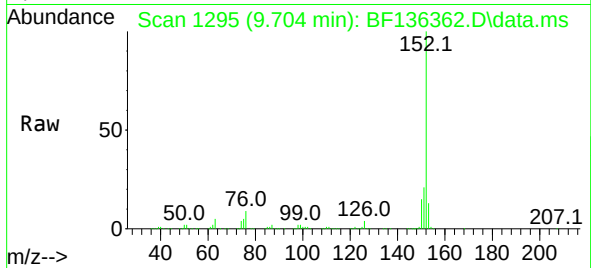




#49  
Acenaphthylene  
Concen: 45.655 ng  
RT: 9.704 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

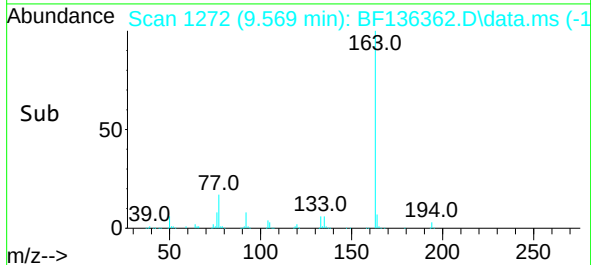
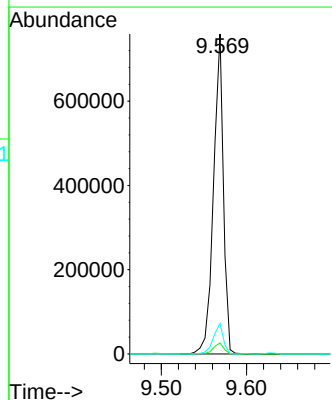
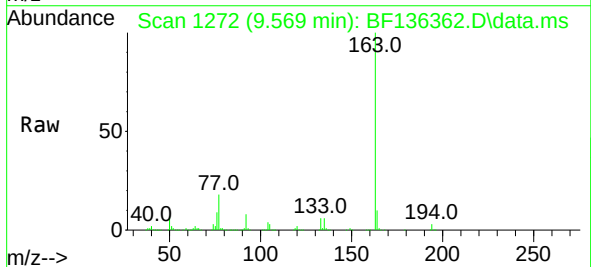
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

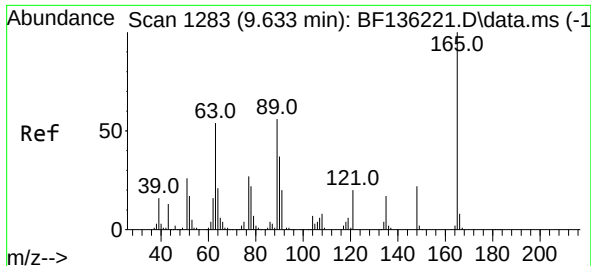
Tgt Ion:152 Resp: 778890  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.5 26.3  
153 12.7 9.6 14.4



#50  
Dimethylphthalate  
Concen: 46.400 ng  
RT: 9.569 min Scan# 1272  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:163 Resp: 612205  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.5 3.7  
164 9.5 7.0 10.6

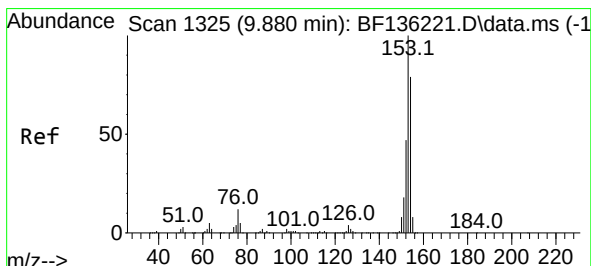
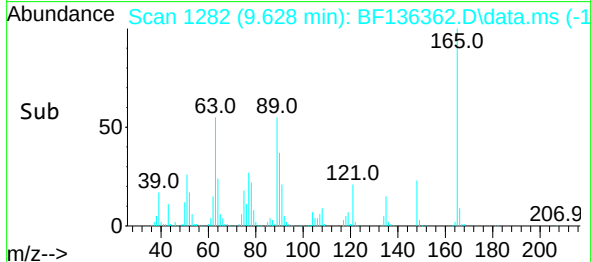
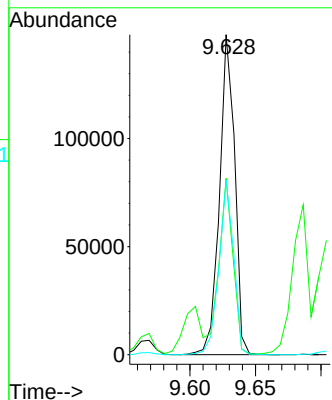
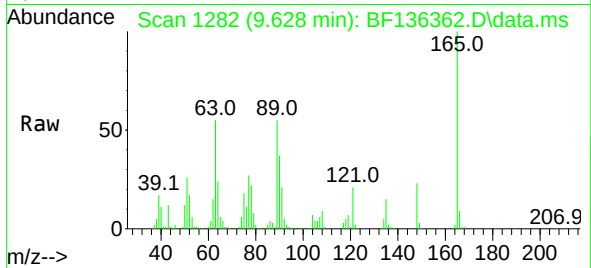




#51  
2,6-Dinitrotoluene  
Concen: 44.136 ng  
RT: 9.628 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

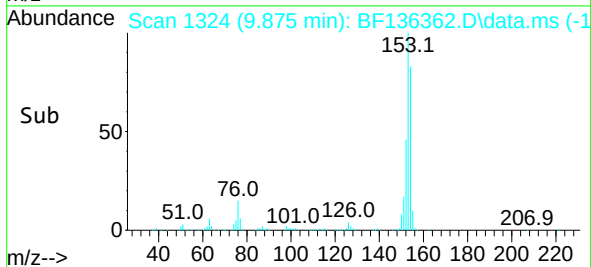
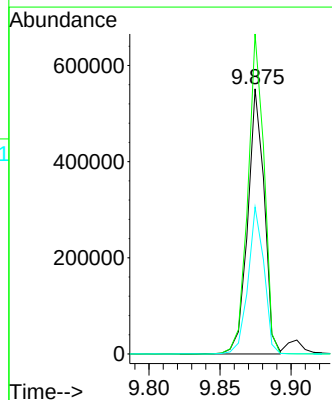
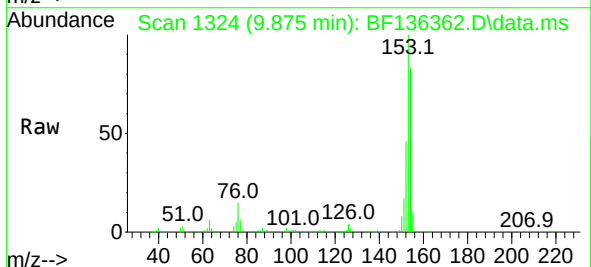
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

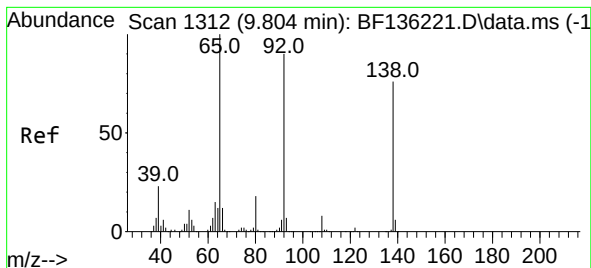
Tgt Ion:165 Resp: 118966  
Ion Ratio Lower Upper  
165 100  
63 55.1 46.2 69.2  
89 54.6 44.9 67.3



#52  
Acenaphthene  
Concen: 41.386 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:154 Resp: 446190  
Ion Ratio Lower Upper  
154 100  
153 120.7 100.8 151.2  
152 55.4 47.0 70.6





#53

3-Nitroaniline

Concen: 31.526 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

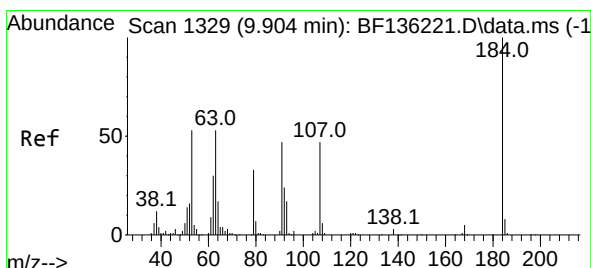
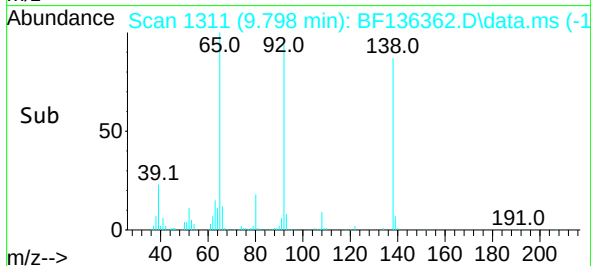
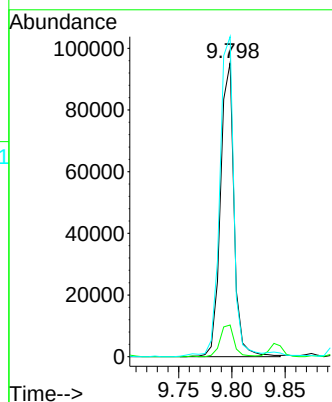
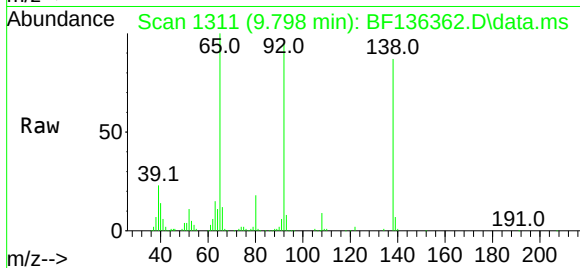
Tgt Ion:138 Resp: 84316

Ion Ratio Lower Upper

138 100

108 10.8 8.7 13.1

92 108.9 94.2 141.4



#54

2,4-Dinitrophenol

Concen: 32.599 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

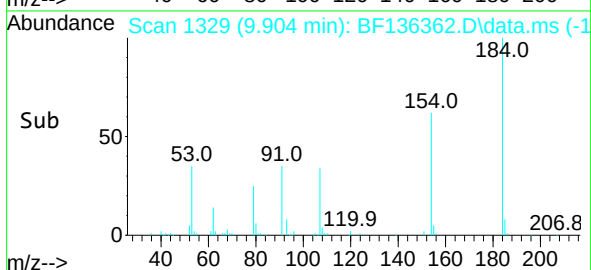
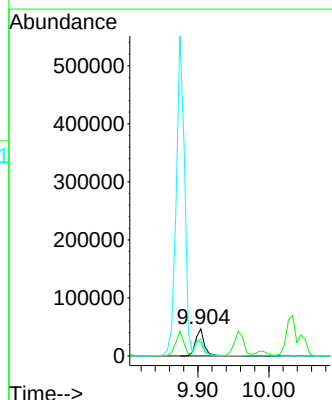
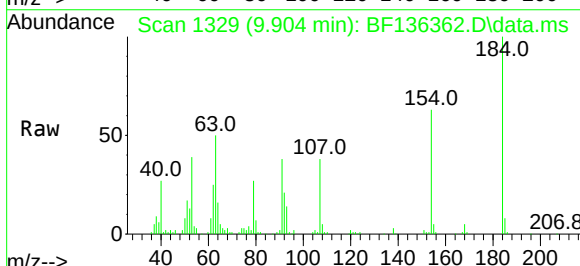
Tgt Ion:184 Resp: 40867

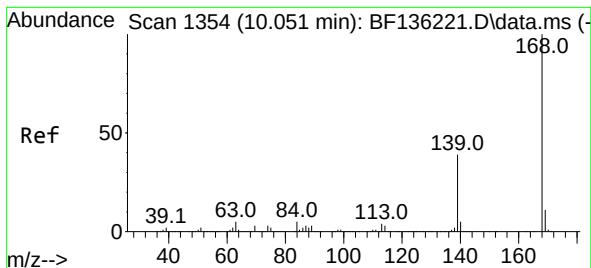
Ion Ratio Lower Upper

184 100

63 50.0 55.0 82.4#

154 62.6 54.9 82.3





#55

Dibenzenofuran

Concen: 40.921 ng

RT: 10.051 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

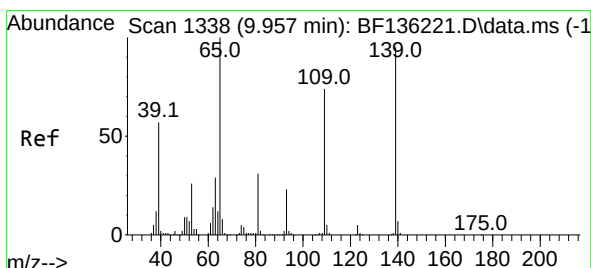
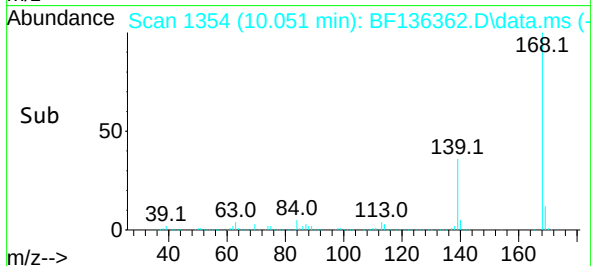
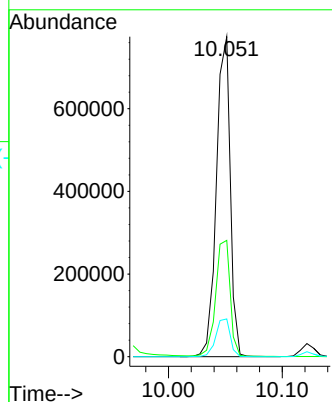
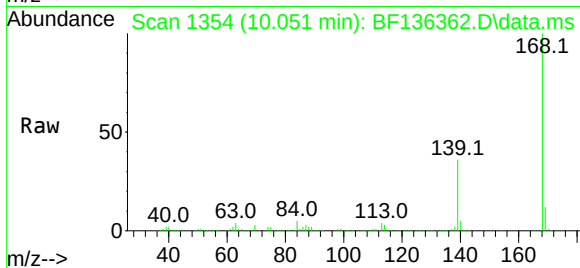
Tgt Ion:168 Resp: 656494

Ion Ratio Lower Upper

168 100

139 36.3 30.9 46.3

169 11.8 9.1 13.7



#56

4-Nitrophenol

Concen: 77.689 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

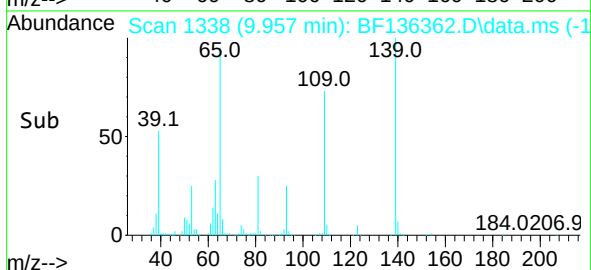
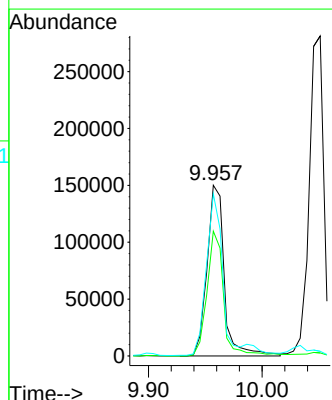
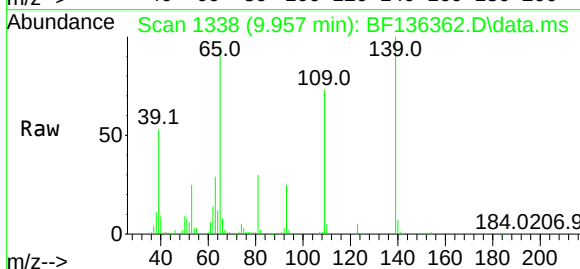
Tgt Ion:139 Resp: 157809

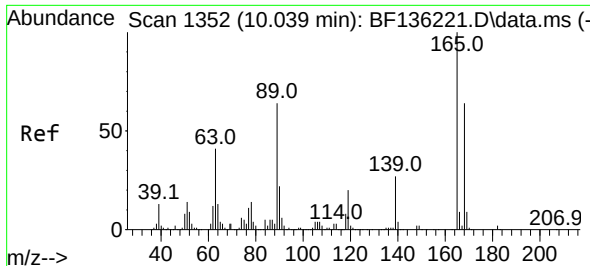
Ion Ratio Lower Upper

139 100

109 73.1 57.8 97.8

65 94.9 86.0 126.0

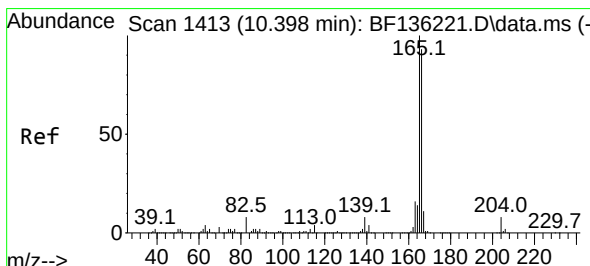
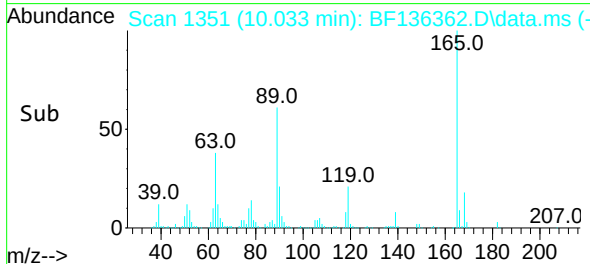
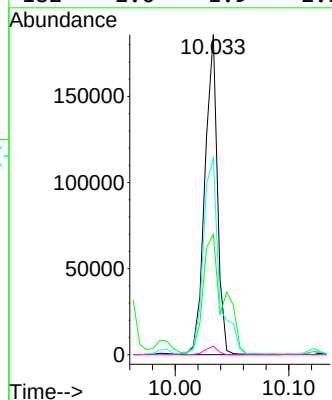
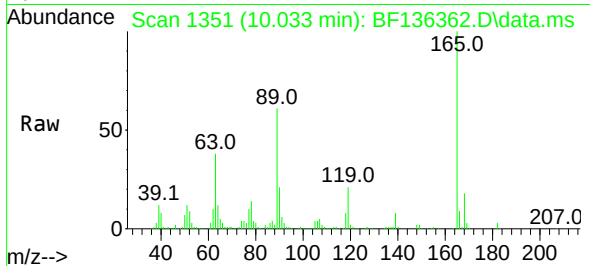




#57  
2,4-Dinitrotoluene  
Concen: 39.326 ng  
RT: 10.033 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

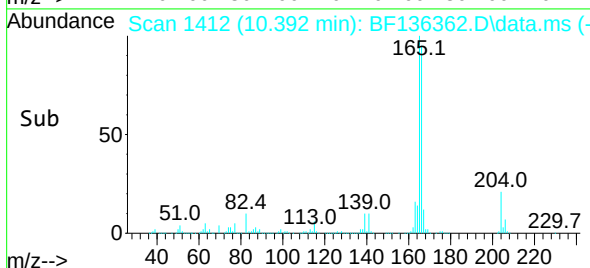
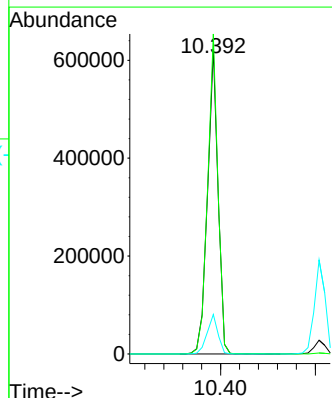
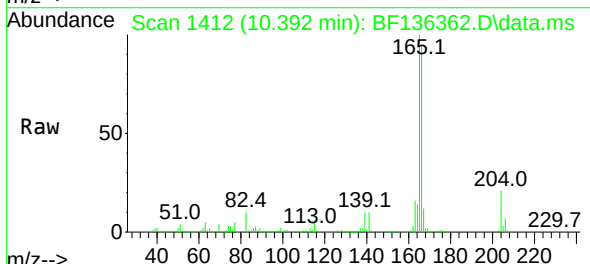
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 141592 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 37.6  | 33.0  | 49.4   |
| 89       | 61.4  | 51.5  | 77.3   |
| 182      | 2.6   | 1.9   | 2.9    |

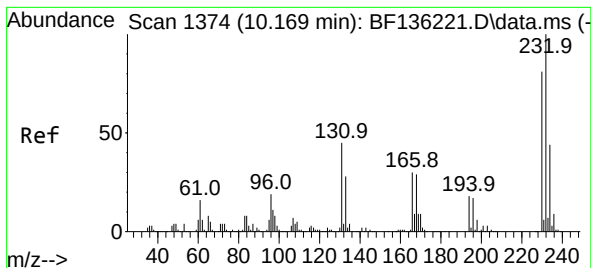


#58  
Fluorene  
Concen: 38.150 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 480071 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 105.0 | 86.2  | 129.4  |
| 167      | 13.0  | 9.1   | 13.7   |







#59  
2,3,4,6-Tetrachlorophenol  
Concen: 37.129 ng  
RT: 10.169 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

Tgt Ion:232 Resp: 116250

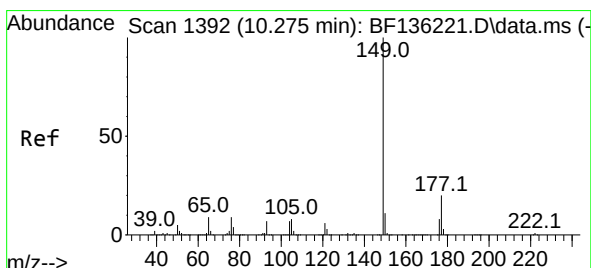
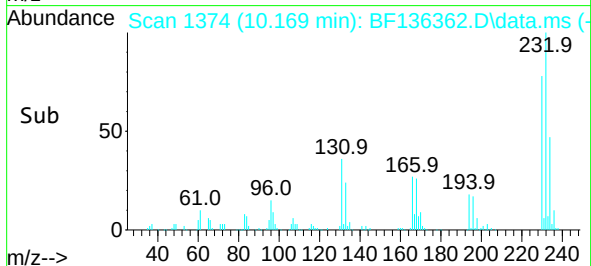
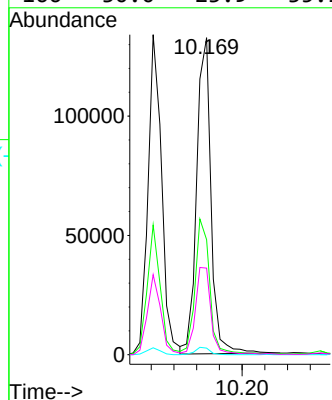
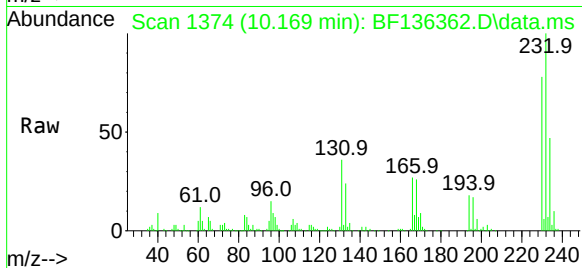
Ion Ratio Lower Upper

232 100

131 43.6 36.4 54.6

130 2.4 1.9 2.9

166 30.0 23.9 35.9



#60  
Diethylphthalate  
Concen: 40.173 ng  
RT: 10.269 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

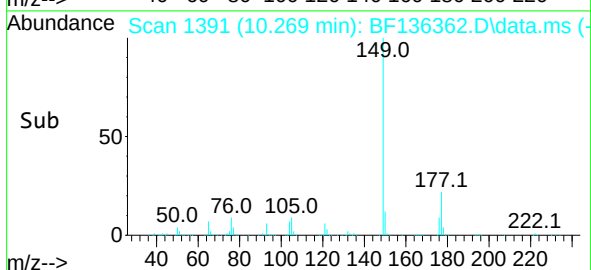
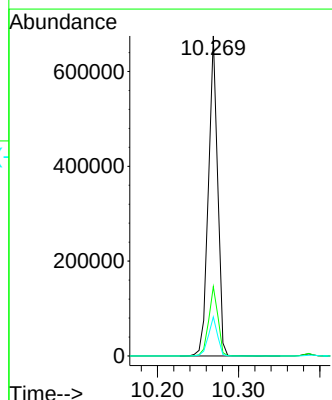
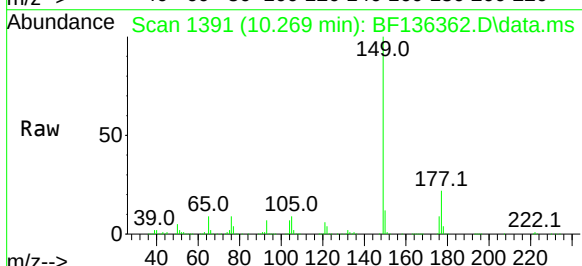
Tgt Ion:149 Resp: 530205

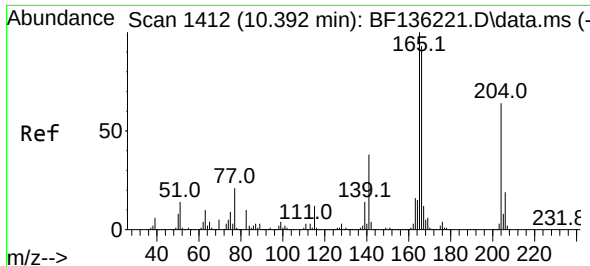
Ion Ratio Lower Upper

149 100

177 21.6 15.8 23.6

150 12.2 8.8 13.2

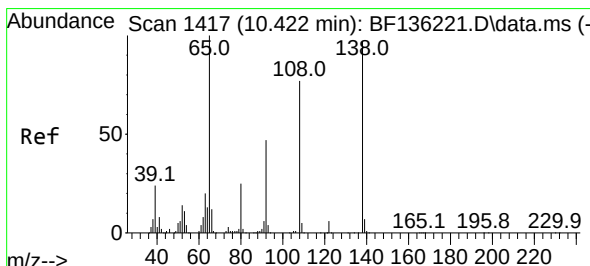
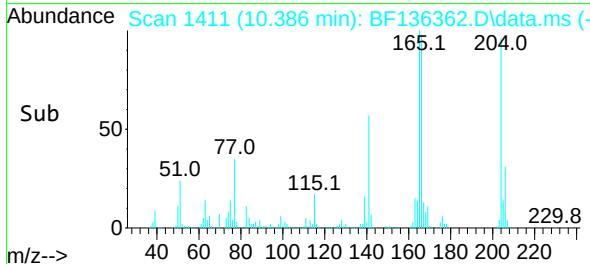
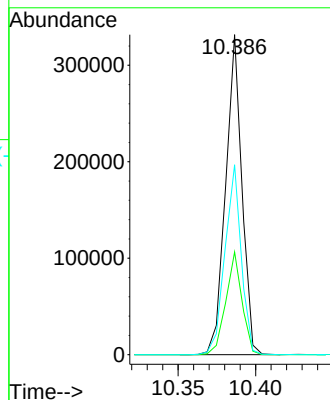
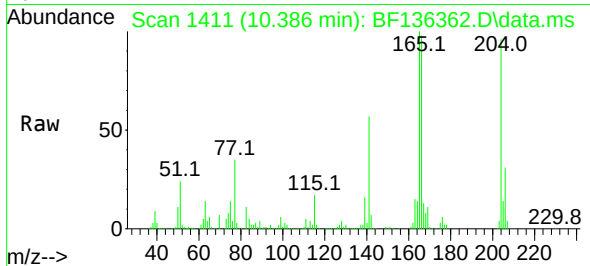




#61  
4-Chlorophenyl-phenylether  
Concen: 39.653 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

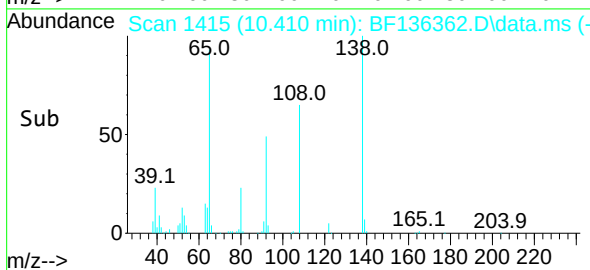
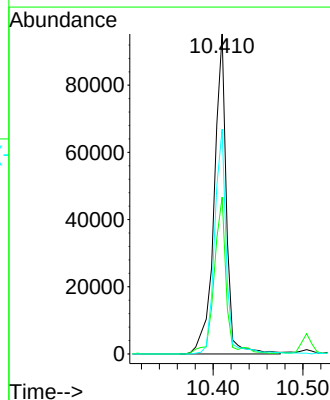
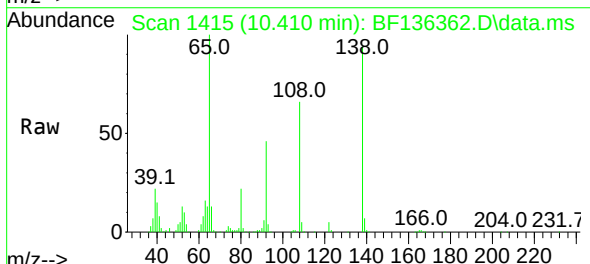
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

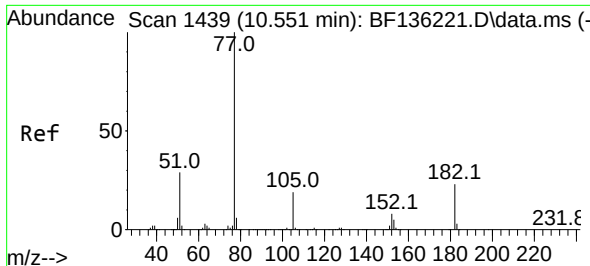
Tgt Ion:204 Resp: 242327  
Ion Ratio Lower Upper  
204 100  
206 32.1 23.4 35.0  
141 59.3 47.6 71.4



#62  
4-Nitroaniline  
Concen: 34.546 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.012 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:138 Resp: 90440  
Ion Ratio Lower Upper  
138 100  
92 49.0 28.5 68.5  
108 70.2 59.8 99.8

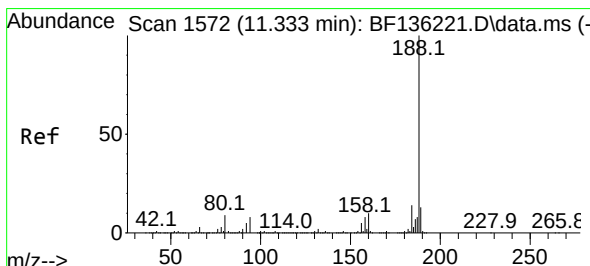
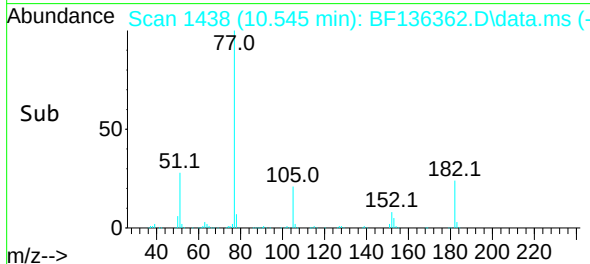
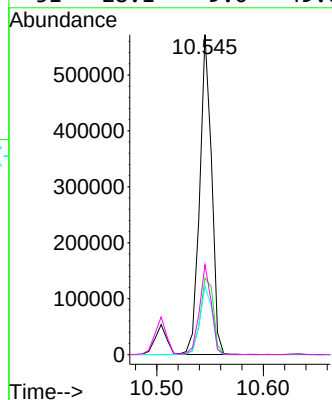
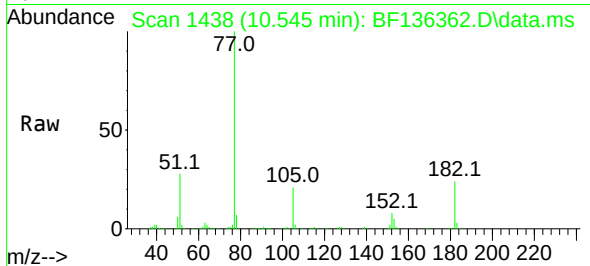




#63  
Azobenzene  
Concen: 36.298 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

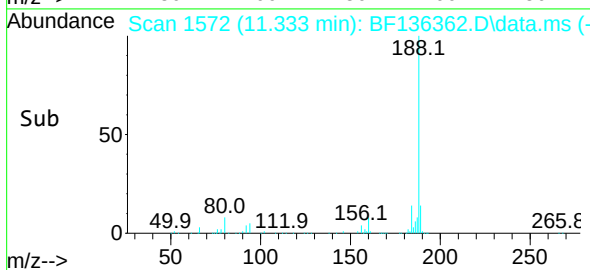
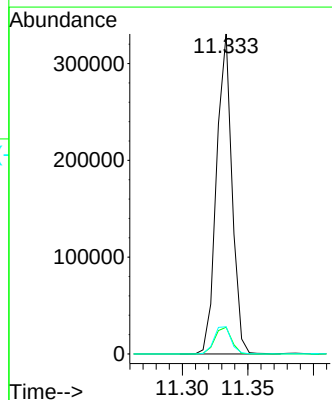
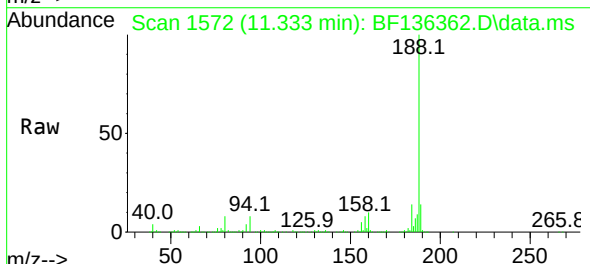
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

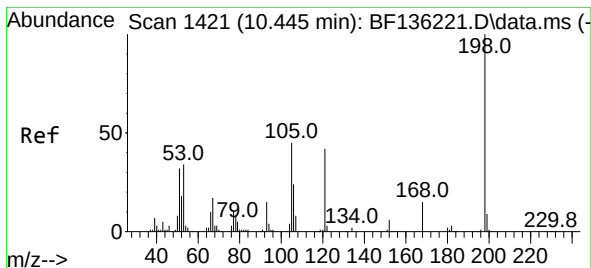
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 444137 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 24.0  | 3.3   | 43.3   |
| 105      | 21.4  | 0.0   | 39.5   |
| 51       | 28.1  | 9.0   | 49.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 270659 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.4   | 6.7   | 10.1   |
| 80       | 8.5   | 7.2   | 10.8   |

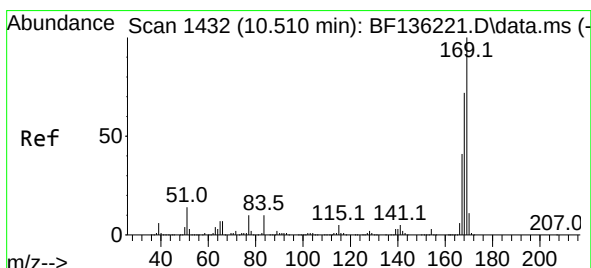
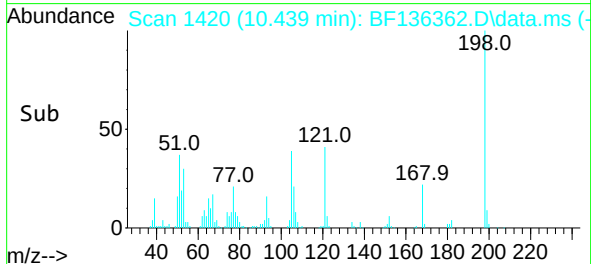
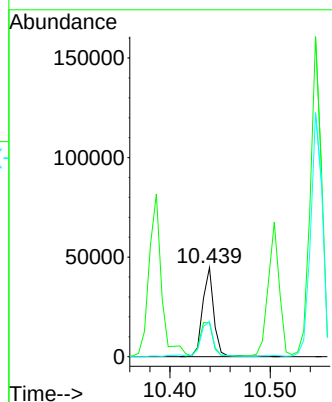
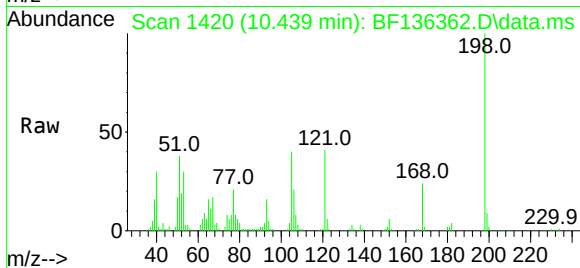




#65  
4,6-Dinitro-2-methylphenol  
Concen: 23.640 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

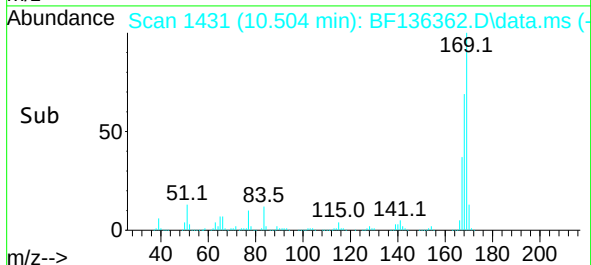
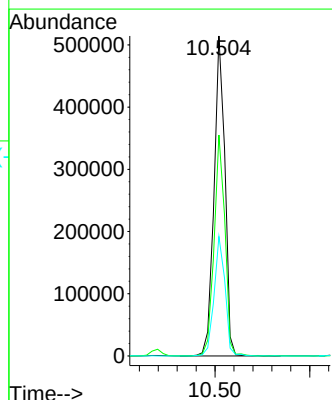
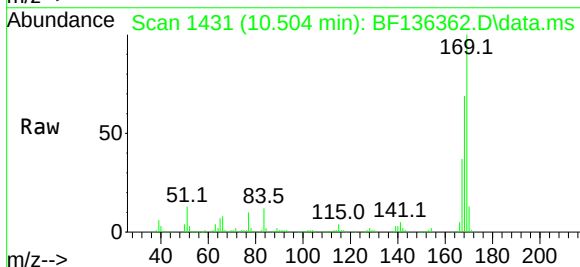
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

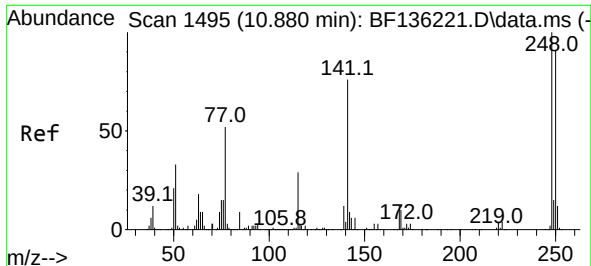
Tgt Ion:198 Resp: 34989  
Ion Ratio Lower Upper  
198 100  
51 37.8 28.2 68.2  
105 39.6 25.7 65.7



#66  
n-Nitrosodiphenylamine  
Concen: 47.107 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:169 Resp: 408594  
Ion Ratio Lower Upper  
169 100  
168 69.0 57.8 86.6  
167 37.4 32.7 49.1

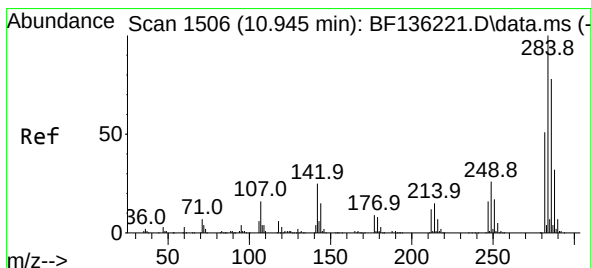
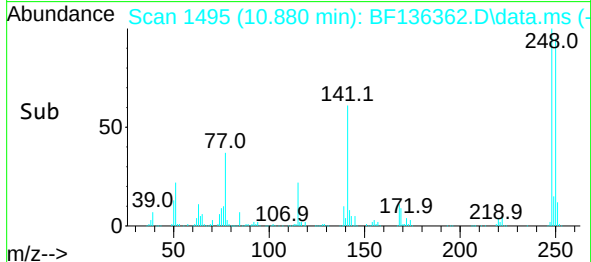
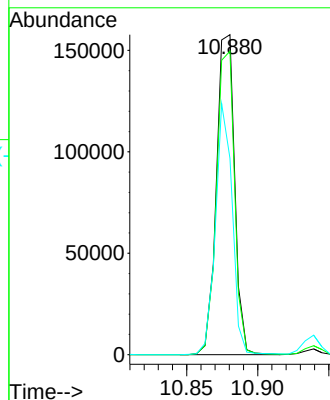
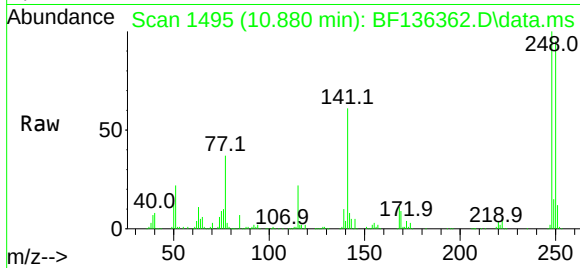




#67  
4-Bromophenyl-phenylether  
Concen: 44.708 ng  
RT: 10.880 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

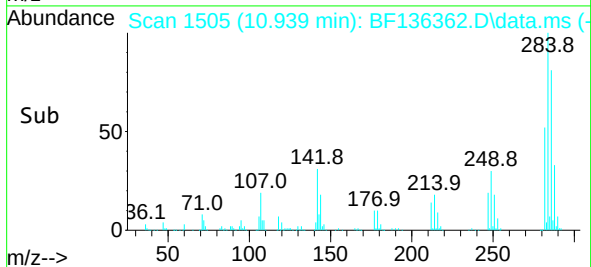
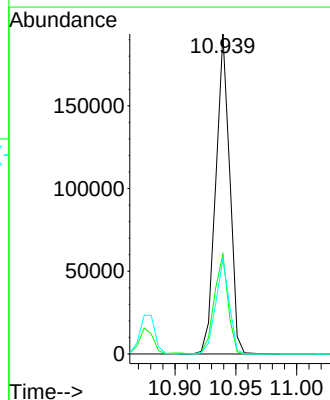
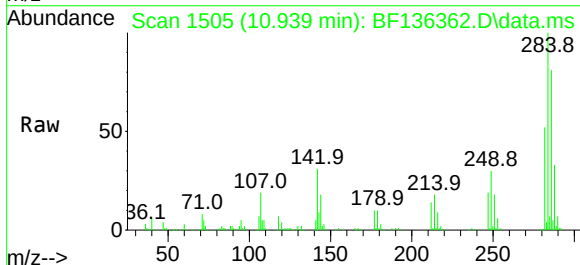
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

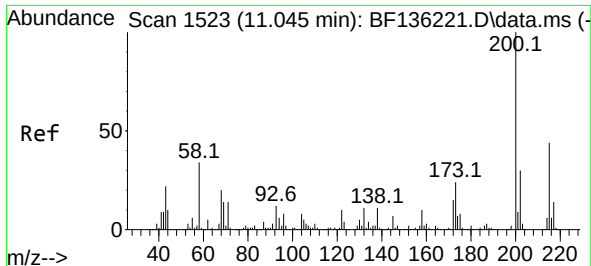
Tgt Ion:248 Resp: 141173  
Ion Ratio Lower Upper  
248 100  
250 94.8 72.5 108.7  
141 61.4 60.8 91.2



#68  
Hexachlorobenzene  
Concen: 42.011 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:284 Resp: 153531  
Ion Ratio Lower Upper  
284 100  
142 31.2 19.8 29.8#  
249 29.5 21.0 31.4

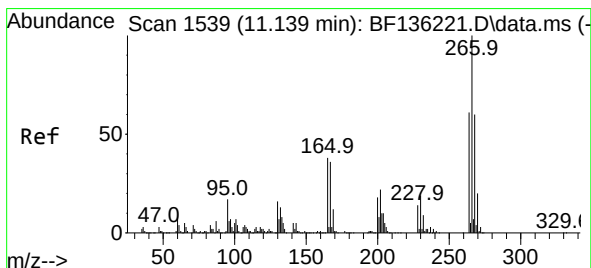
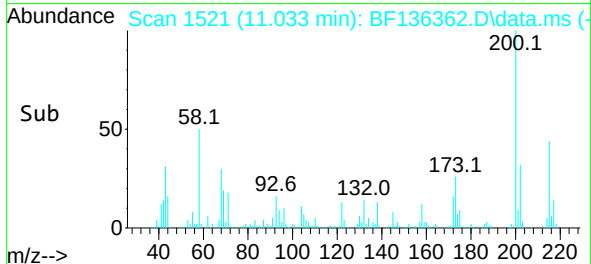
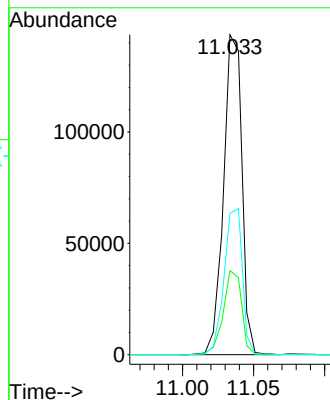
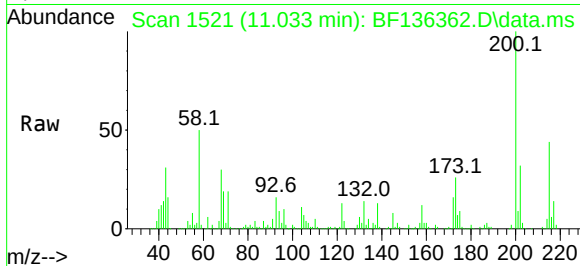




#69  
 Atrazine  
 Concen: 50.185 ng  
 RT: 11.033 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

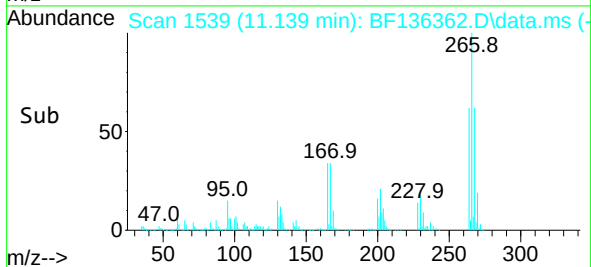
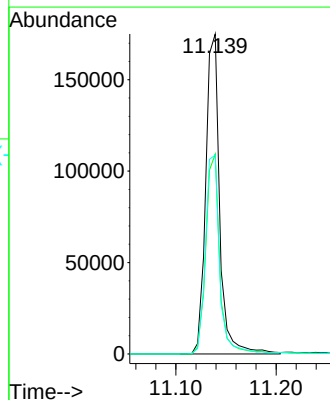
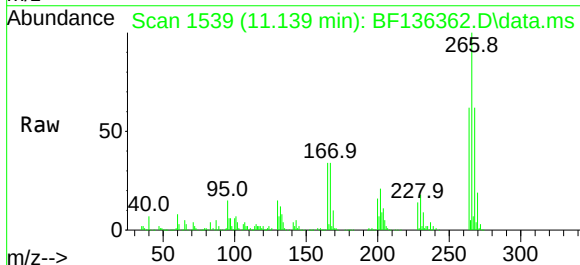
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3MSD

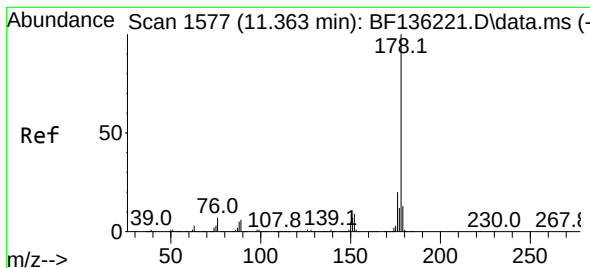
Tgt Ion:200 Resp: 129127  
 Ion Ratio Lower Upper  
 200 100  
 173 26.3 4.3 44.3  
 215 44.2 23.8 63.8



#70  
 Pentachlorophenol  
 Concen: 82.401 ng  
 RT: 11.139 min Scan# 1539  
 Delta R.T. 0.000 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

Tgt Ion:266 Resp: 170223  
 Ion Ratio Lower Upper  
 266 100  
 268 62.5 47.9 71.9  
 264 62.1 49.1 73.7





#71

Phenanthrene

Concen: 43.765 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

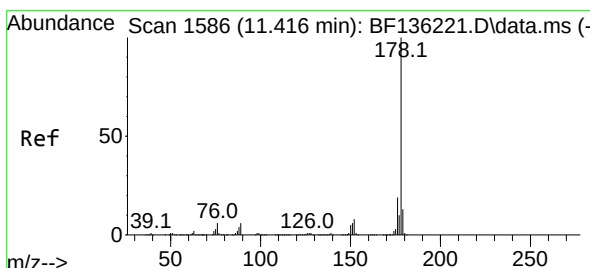
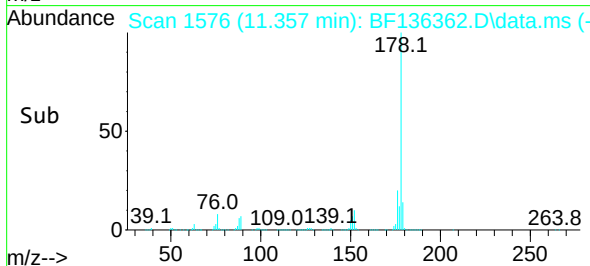
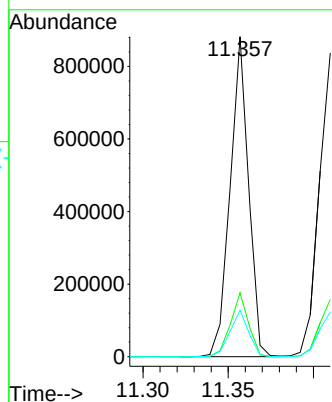
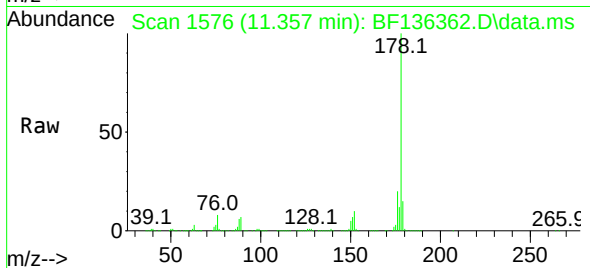
Tgt Ion:178 Resp: 665760

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.2

179 14.5 10.3 15.5



#72

Anthracene

Concen: 43.260 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

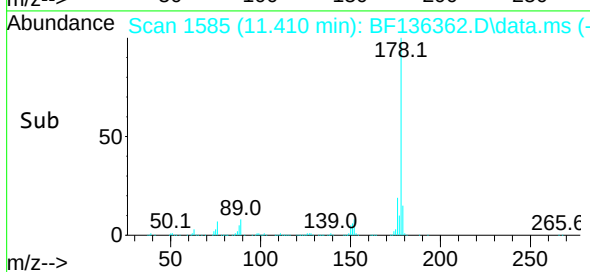
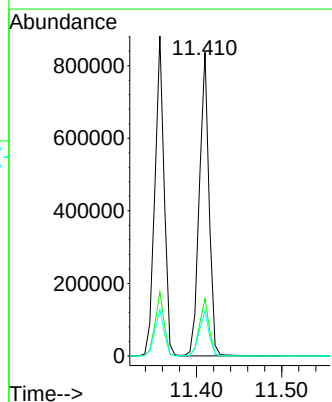
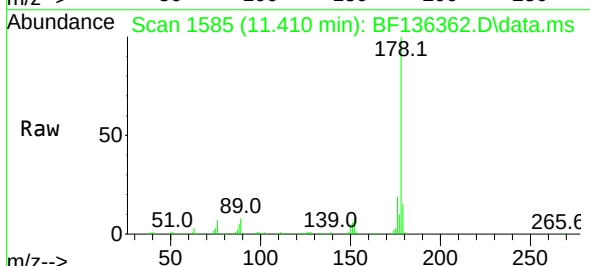
Tgt Ion:178 Resp: 659947

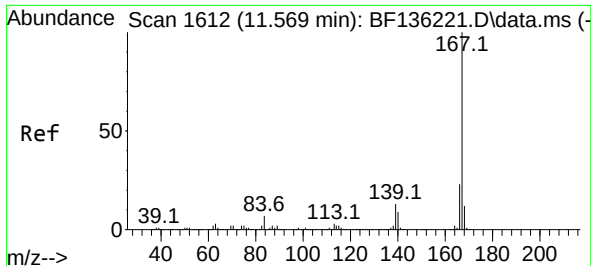
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 14.8 10.5 15.7

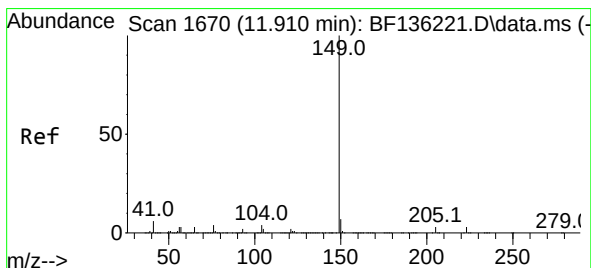
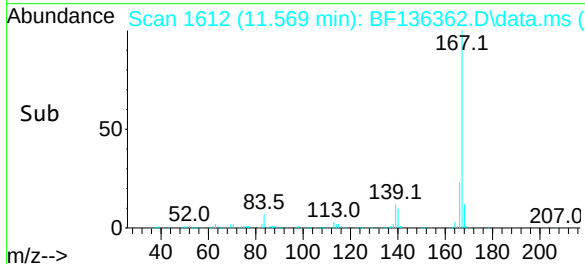
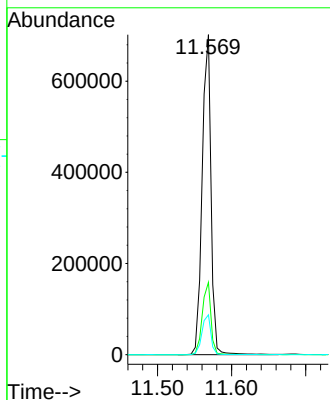
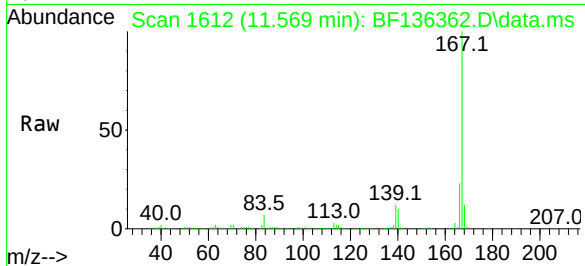




#73  
 Carbazole  
 Concen: 44.925 ng  
 RT: 11.569 min Scan# 1612  
 Delta R.T. 0.000 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

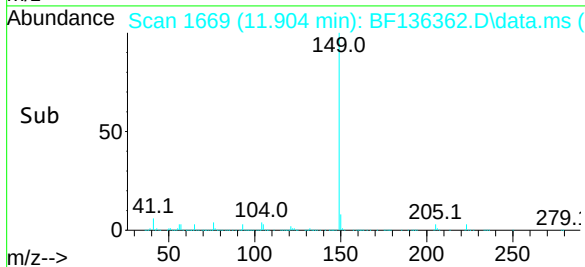
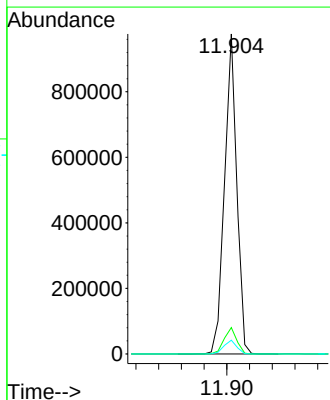
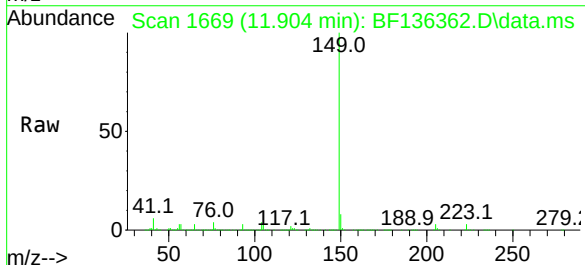
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3MSD

Tgt Ion:167 Resp: 582887  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 18.4 27.6  
 139 12.4 10.5 15.7

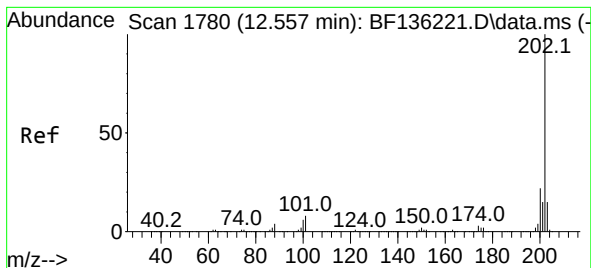


#74  
 Di-n-butylphthalate  
 Concen: 45.094 ng  
 RT: 11.904 min Scan# 1669  
 Delta R.T. -0.006 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

Tgt Ion:149 Resp: 732055  
 Ion Ratio Lower Upper  
 149 100  
 150 8.2 6.0 9.0  
 104 4.3 3.5 5.3







#75

Fluoranthene

Concen: 48.363 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

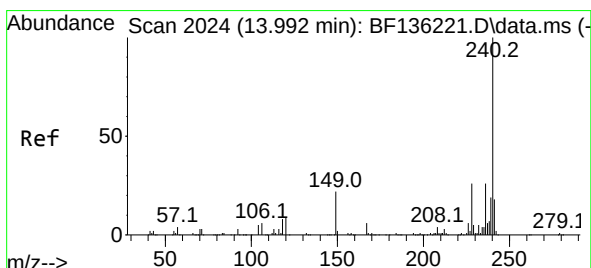
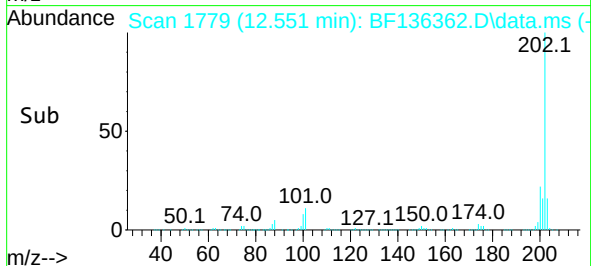
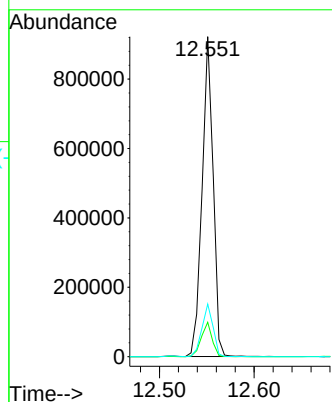
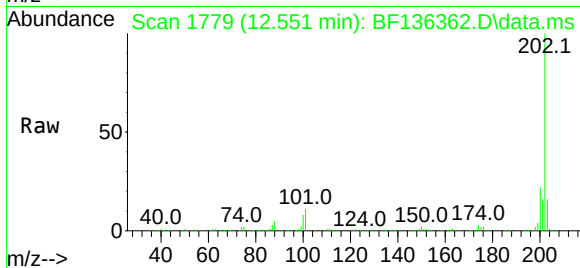
Tgt Ion:202 Resp: 746870

Ion Ratio Lower Upper

202 100

101 10.7 0.0 27.8

203 16.5 0.0 34.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

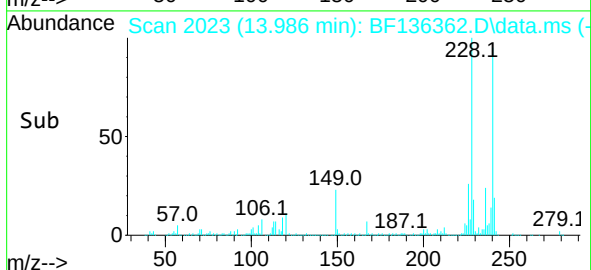
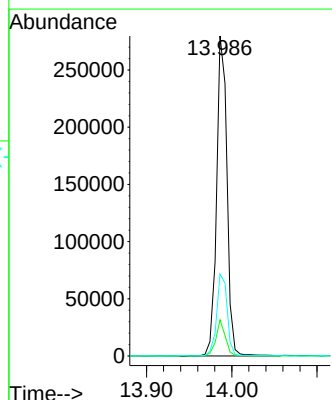
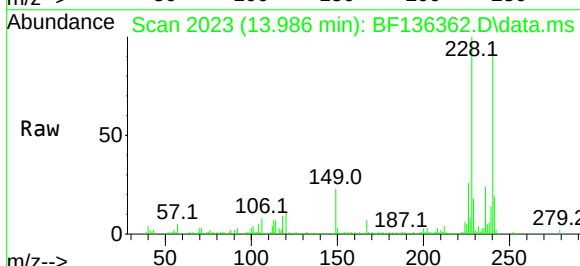
Tgt Ion:240 Resp: 237779

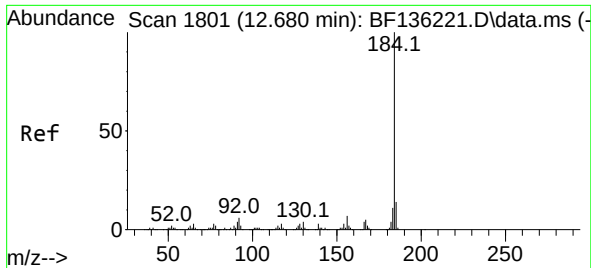
Ion Ratio Lower Upper

240 100

120 11.3 7.4 11.2#

236 25.6 21.1 31.7

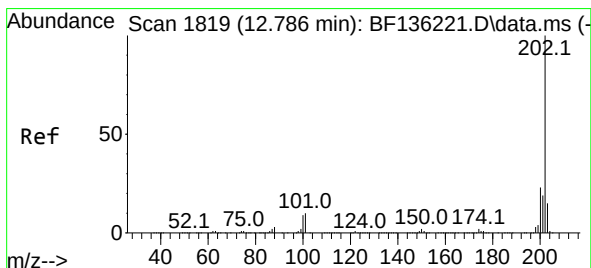
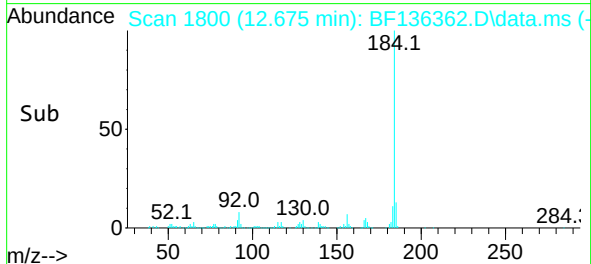
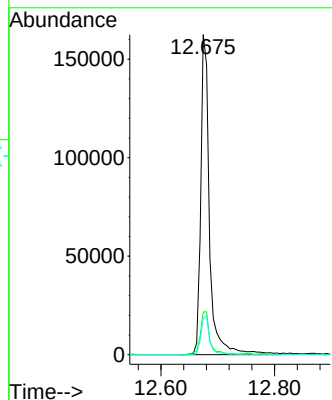
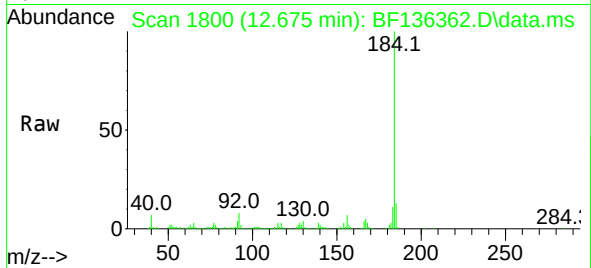




#77  
Benzidine  
Concen: 44.701 ng  
RT: 12.675 min Scan# 1800  
Delta R.T. -0.005 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

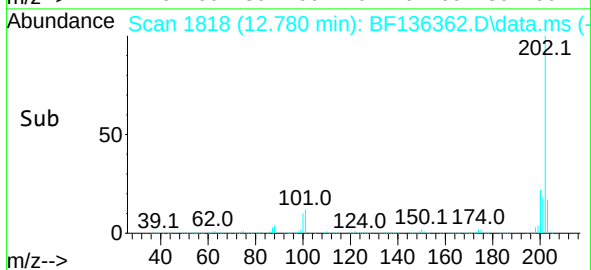
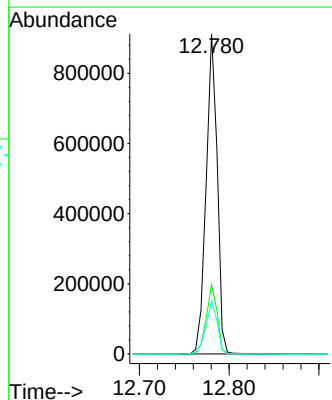
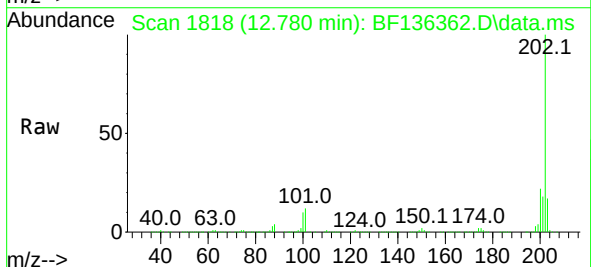
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

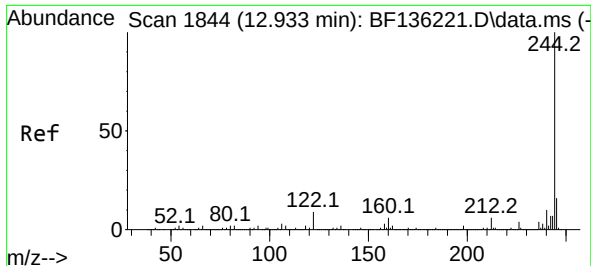
Tgt Ion:184 Resp: 174720  
Ion Ratio Lower Upper  
184 100  
185 13.4 11.0 16.6  
183 11.5 9.0 13.4



#78  
Pyrene  
Concen: 30.053 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:202 Resp: 782616  
Ion Ratio Lower Upper  
202 100  
200 21.6 18.4 27.6  
203 16.5 11.8 17.6

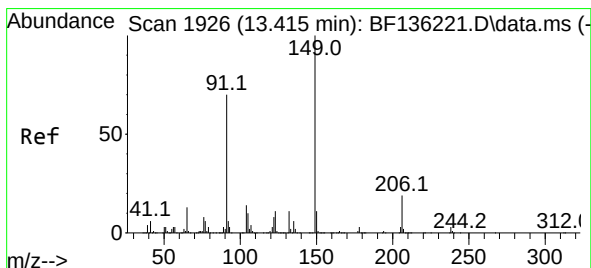
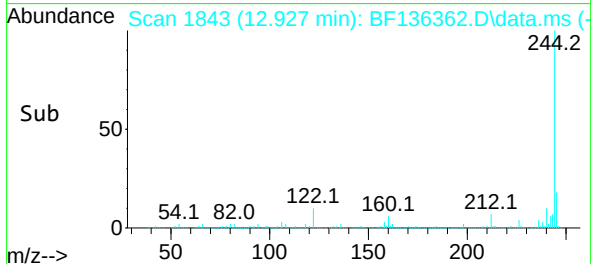
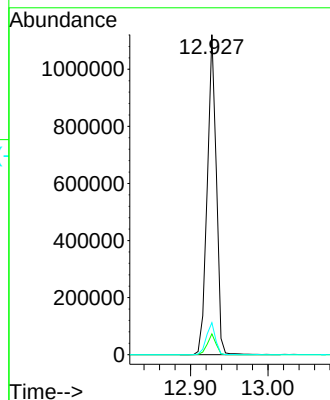
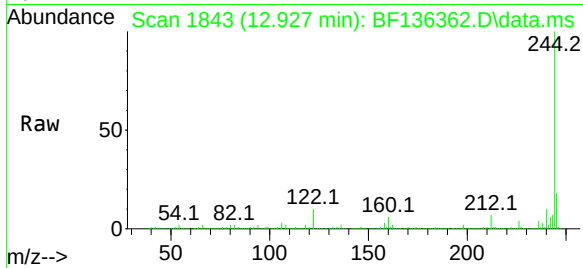




#79  
 Terphenyl-d14  
 Concen: 44.189 ng  
 RT: 12.927 min Scan# 1843  
 Delta R.T. -0.006 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

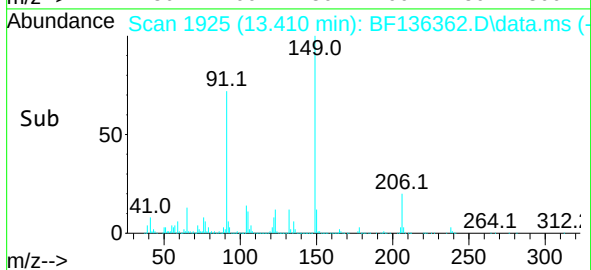
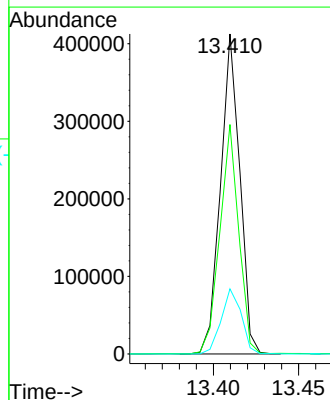
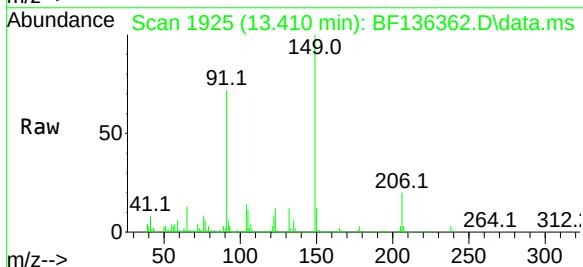
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3MSD

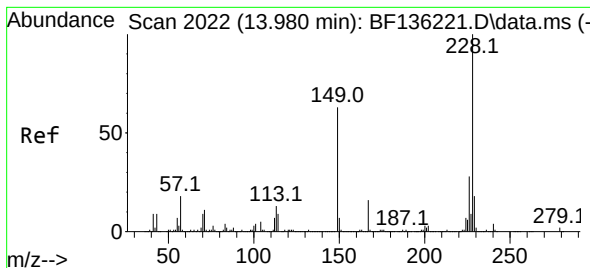
Tgt Ion:244 Resp: 910917  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 4.6 7.0  
 122 10.0 7.3 10.9



#80  
 Butylbenzylphthalate  
 Concen: 40.145 ng  
 RT: 13.410 min Scan# 1925  
 Delta R.T. -0.006 min  
 Lab File: BF136362.D  
 Acq: 02 Dec 2023 05:43

Tgt Ion:149 Resp: 325359  
 Ion Ratio Lower Upper  
 149 100  
 91 71.7 56.4 84.6  
 206 20.3 14.8 22.2





#81

Benzo(a)anthracene

Concen: 42.057 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

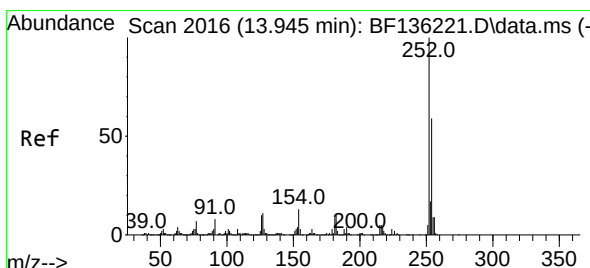
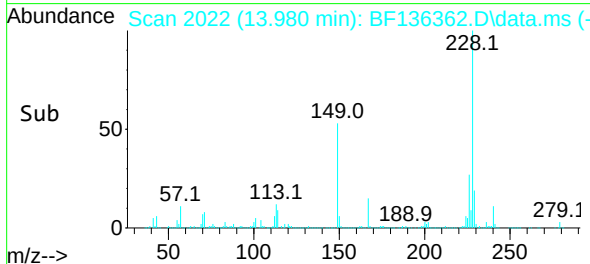
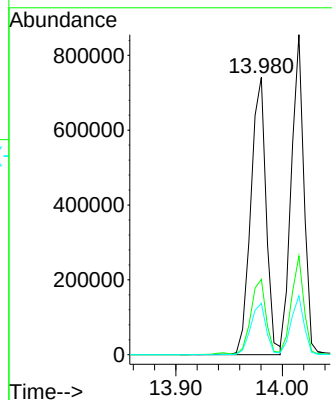
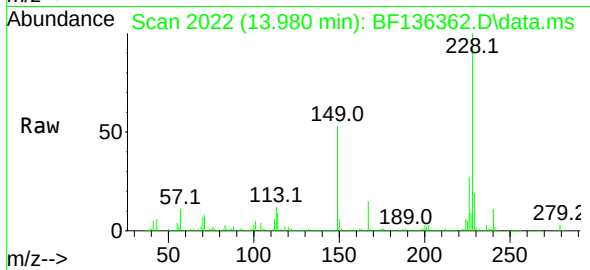
Tgt Ion:228 Resp: 742796

Ion Ratio Lower Upper

228 100

226 27.2 22.6 34.0

229 18.6 14.0 21.0



#82

3,3'-Dichlorobenzidine

Concen: 57.055 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

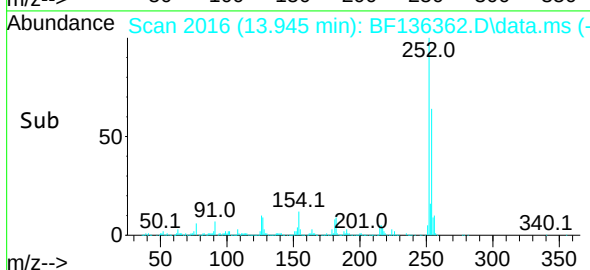
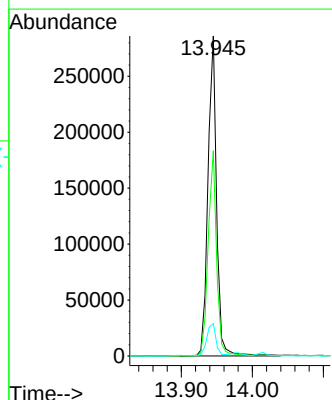
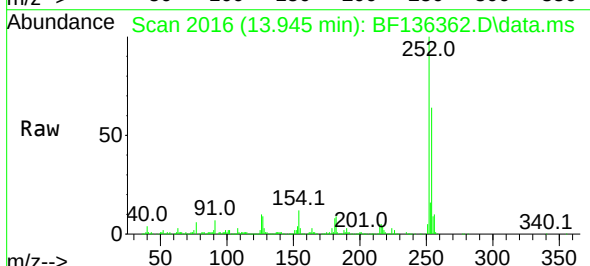
Tgt Ion:252 Resp: 242564

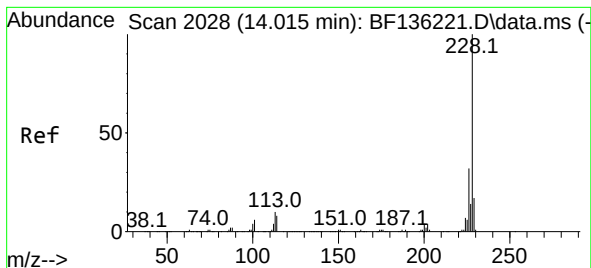
Ion Ratio Lower Upper

252 100

254 64.1 47.4 71.2

126 10.1 8.3 12.5





#83

Chrysene

Concen: 41.661 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

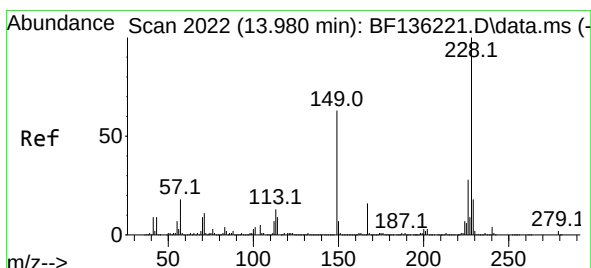
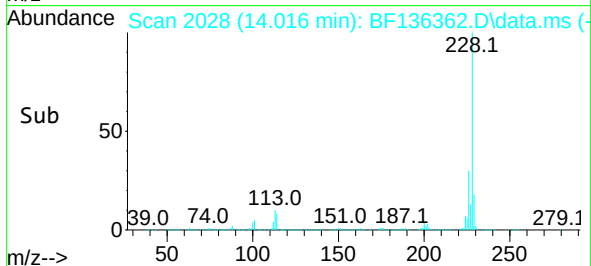
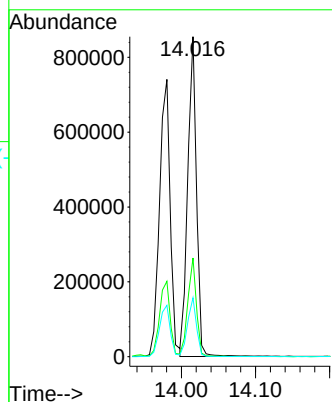
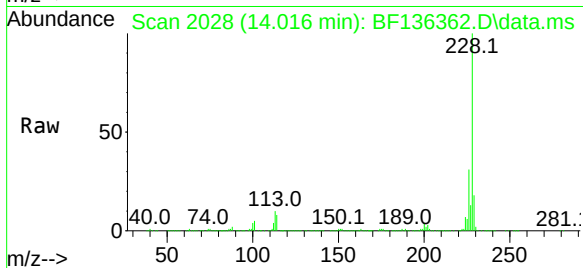
Tgt Ion:228 Resp: 710445

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

229 18.4 13.9 20.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.862 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

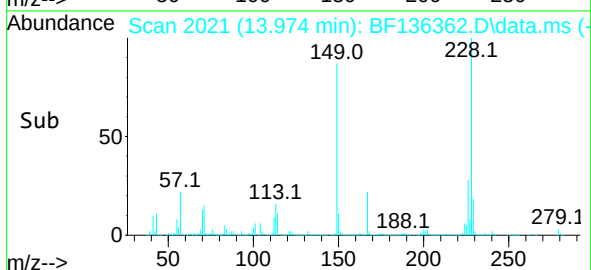
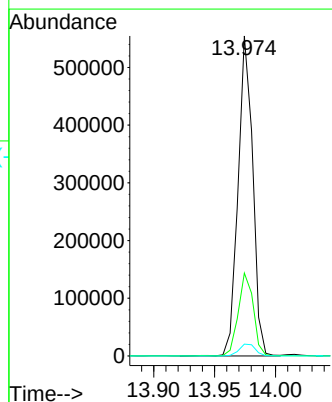
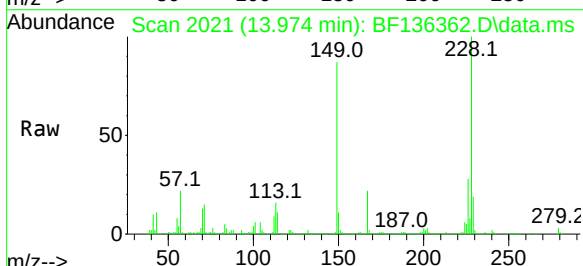
Tgt Ion:149 Resp: 465529

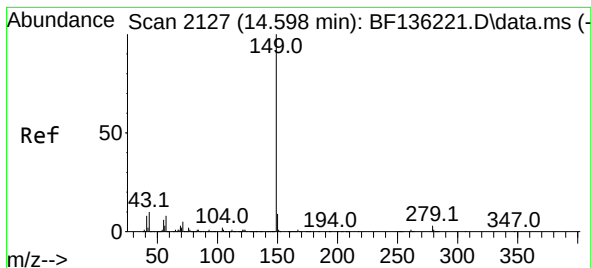
Ion Ratio Lower Upper

149 100

167 25.9 20.2 30.2

279 3.7 2.4 3.6#





#85

Di-n-octyl phthalate

Concen: 55.553 ng

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

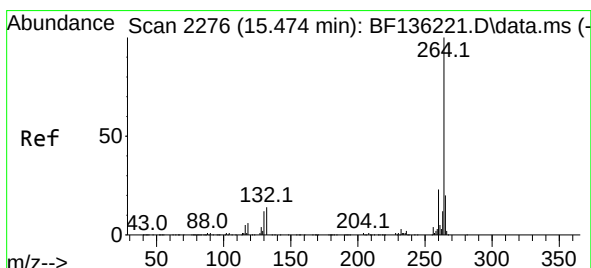
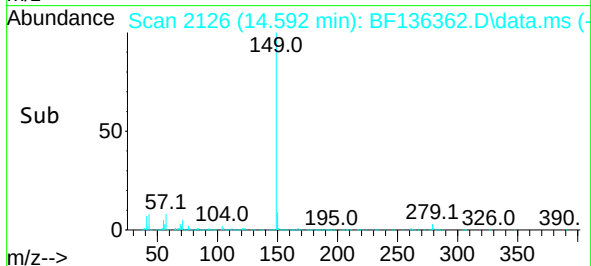
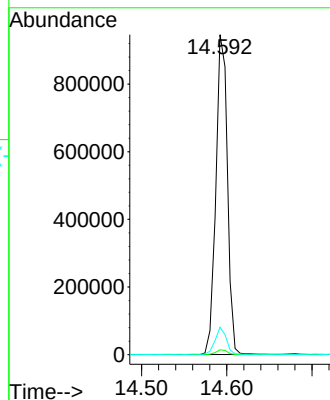
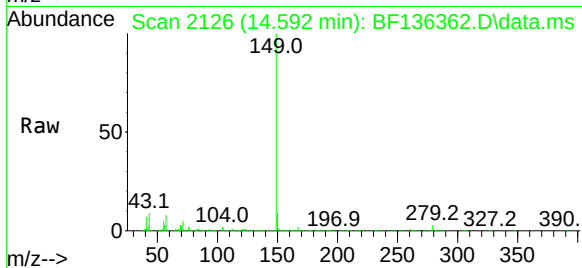
Tgt Ion:149 Resp: 891940

Ion Ratio Lower Upper

149 100

167 1.5 1.0 1.6

43 8.2 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

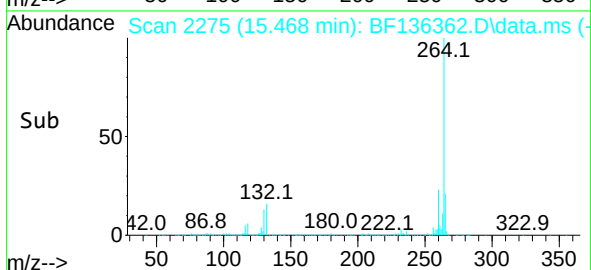
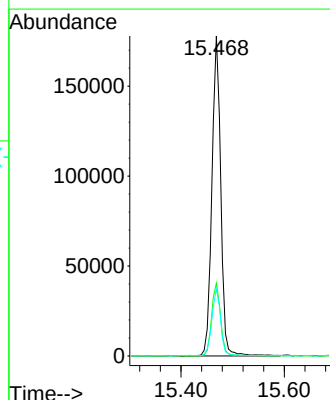
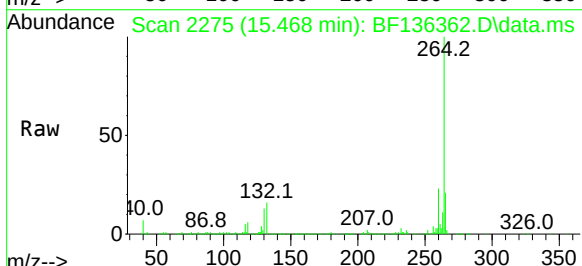
Tgt Ion:264 Resp: 211924

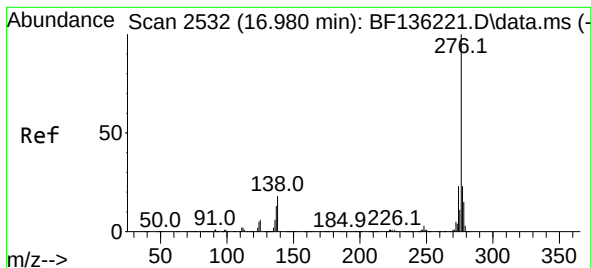
Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 21.0 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 30.565 ng

RT: 16.974 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

Instrument :

BNA\_F

ClientSampleId :

TP-3MSD

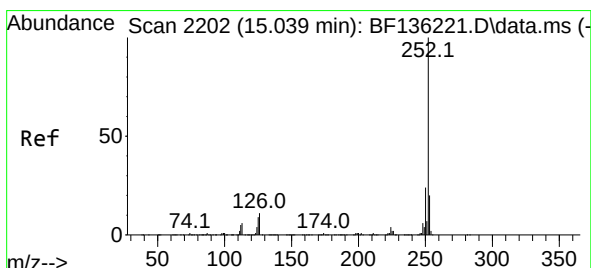
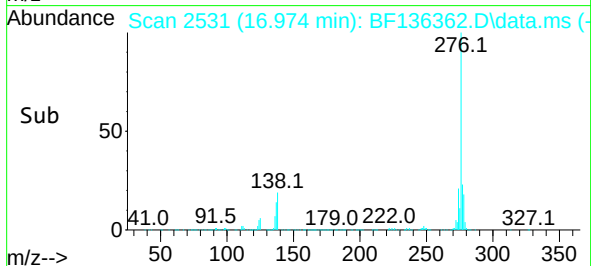
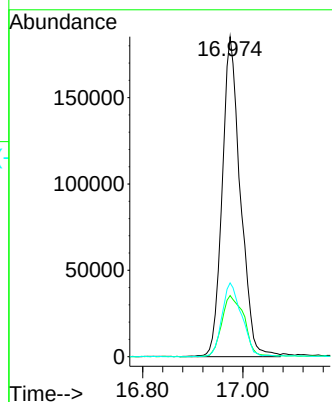
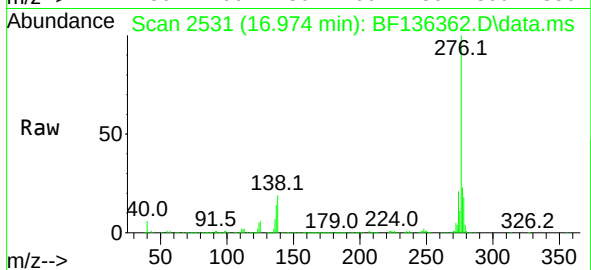
Tgt Ion:276 Resp: 467854

Ion Ratio Lower Upper

276 100

138 23.6 17.7 26.5

277 24.8 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 45.655 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136362.D

Acq: 02 Dec 2023 05:43

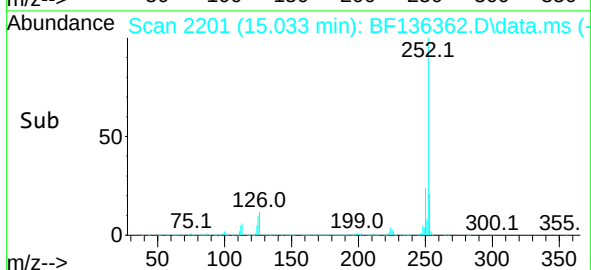
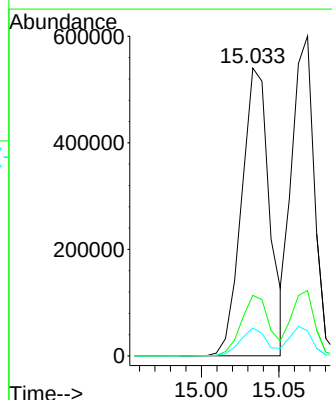
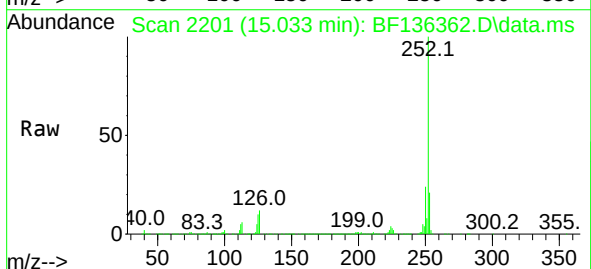
Tgt Ion:252 Resp: 678817

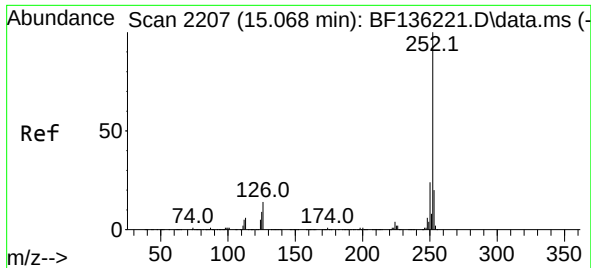
Ion Ratio Lower Upper

252 100

253 21.1 16.2 24.2

125 9.7 6.9 10.3

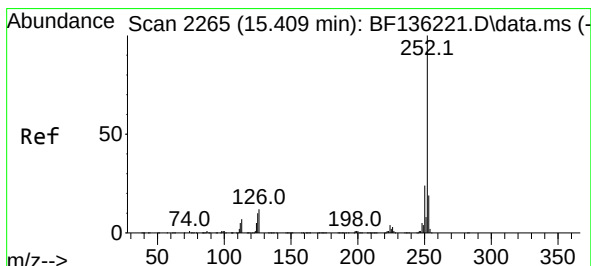
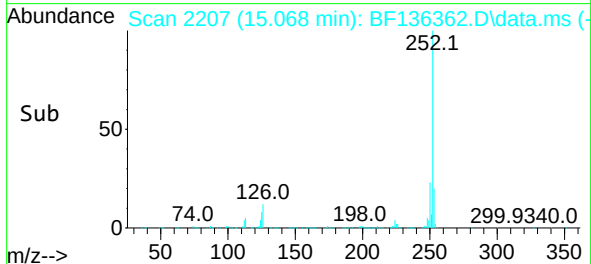
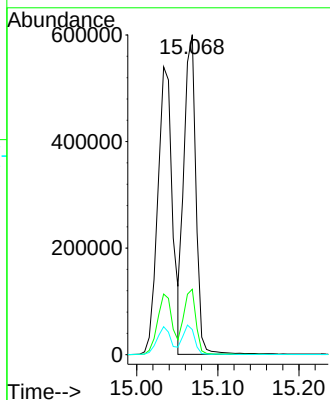
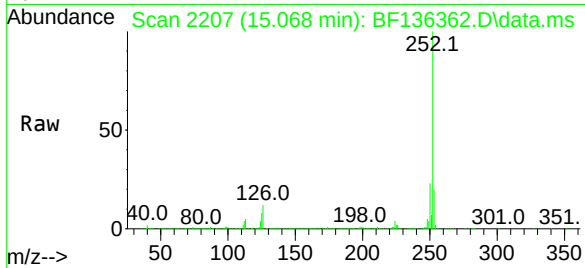




#89  
Benzo(k)fluoranthene  
Concen: 43.540 ng  
RT: 15.068 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

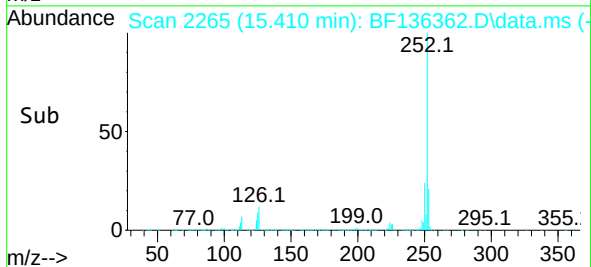
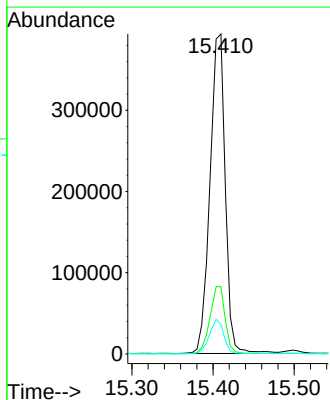
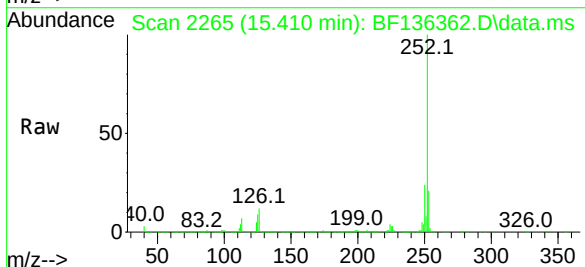
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

Tgt Ion:252 Resp: 614842  
Ion Ratio Lower Upper  
252 100  
253 20.4 15.6 23.4  
125 7.8 7.0 10.4

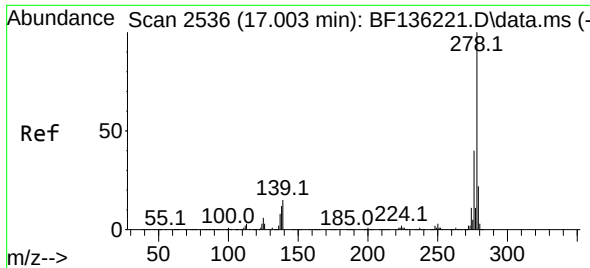


#90  
Benzo(a)pyrene  
Concen: 42.277 ng  
RT: 15.410 min Scan# 2265  
Delta R.T. 0.001 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:252 Resp: 513856  
Ion Ratio Lower Upper  
252 100  
253 21.0 15.5 23.3  
125 9.2 7.9 11.9



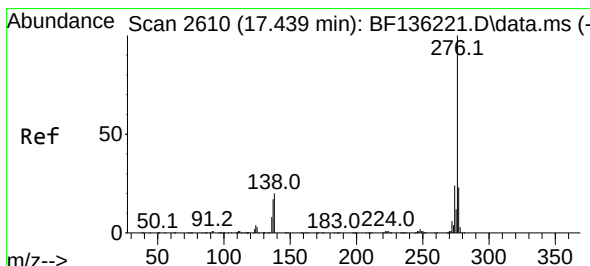
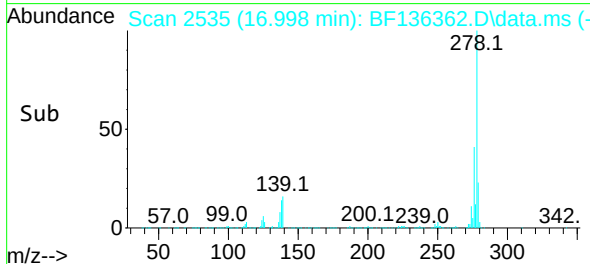
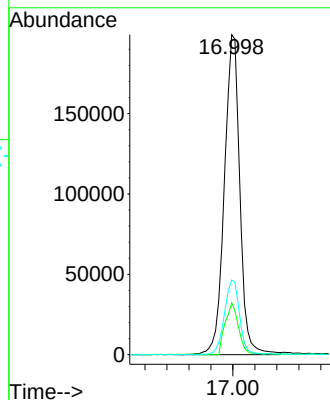
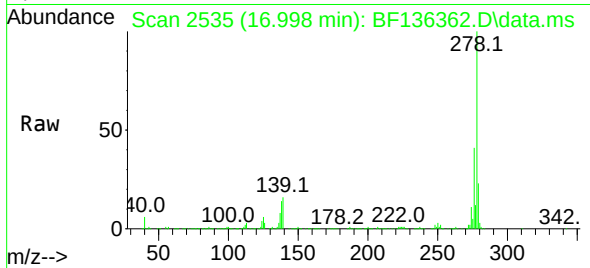




#91  
Dibenzo(a,h)anthracene  
Concen: 31.669 ng  
RT: 16.998 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Instrument :  
BNA\_F  
ClientSampleId :  
TP-3MSD

Tgt Ion:278 Resp: 390193  
Ion Ratio Lower Upper  
278 100  
139 16.2 11.7 17.5  
279 23.4 17.8 26.8



#92  
Benzo(g,h,i)perylene  
Concen: 29.390 ng  
RT: 17.433 min Scan# 2609  
Delta R.T. -0.006 min  
Lab File: BF136362.D  
Acq: 02 Dec 2023 05:43

Tgt Ion:276 Resp: 365158  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.6 27.8  
138 19.2 15.8 23.8

