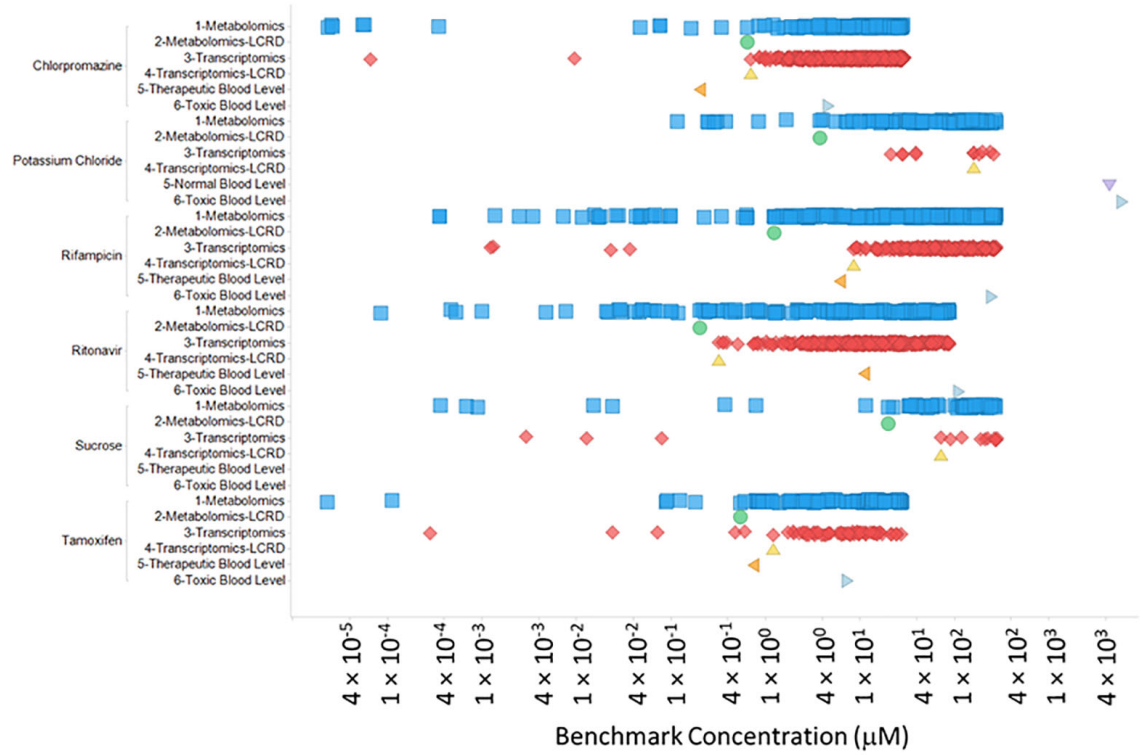
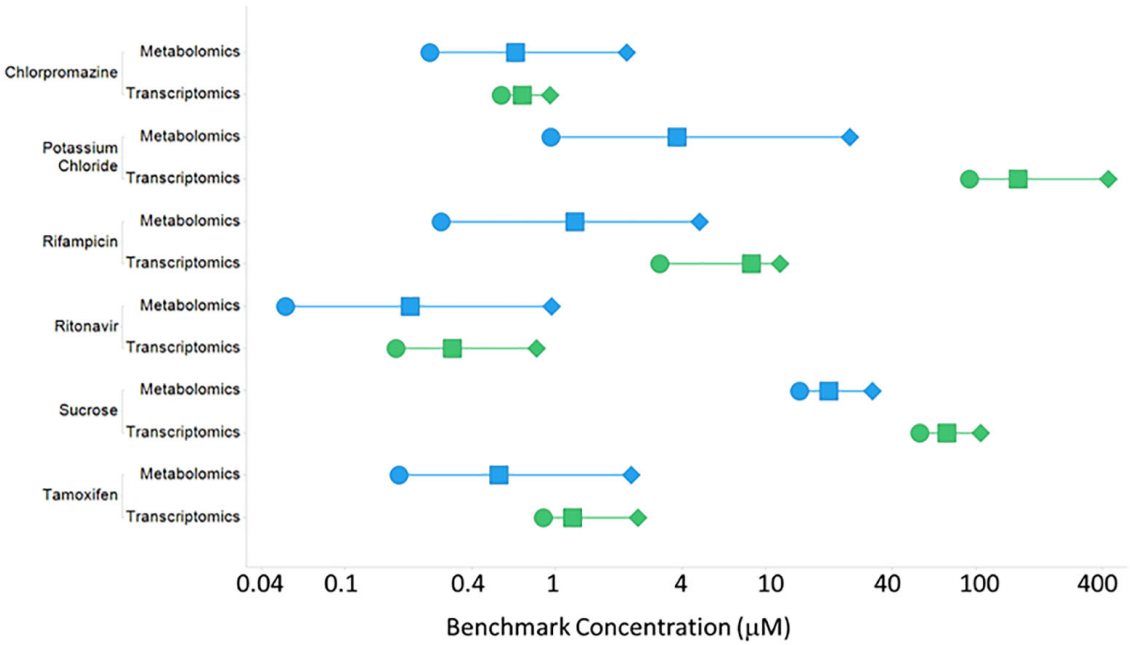
a)


Chlorpromazine
1-Metabolomics
2-Metabolomics-LCRD
3-Transcriptomics
4-Transcriptomics-LCRD
5-Therapeutic Blood Level
6-Toxic Blood Level
Potassium Chloride
1-Metabolomics
2-Metabolomics-LCRD
3-Transcriptomics
4-Transcriptomics-LCRD
5-Normal Blood Level
6-Toxic Blood Level
Rifampicin
1-Metabolomics
2-Metabolomics-LCRD
3-Transcriptomics
4-Transcriptomics-LCRD
5-Therapeutic Blood Level
6-Toxic Blood Level
Ritonavir
1-Metabolomics
2-Metabolomics-LCRD
3-Transcriptomics
4-Transcriptomics-LCRD
5-Therapeutic Blood Level
6-Toxic Blood Level
Sucrose
1-Metabolomics
2-Metabolomics-LCRD
3-Transcriptomics
4-Transcriptomics-LCRD
5-Therapeutic Blood Level
6-Toxic Blood Level
Tamoxifen
1-Metabolomics
2-Metabolomics-LCRD
3-Transcriptomics
4-Transcriptomics-LCRD
5-Therapeutic Blood Level
6-Toxic Blood Level
4 × 10^-5
1 × 10^-4
4 × 10^-4
1 × 10^-3
4 × 10^-3
1 × 10^-2
4 × 10^-2
1 × 10^-1
4 × 10^-1
1 × 10^0
4 × 10^0
1 × 10^1
4 × 10^1
1 × 10^2
4 × 10^2
1 × 10^3
4 × 10^3
Benchmark Concentration (μM)

b)


Chlorpromazine
Metabolomics
Transcriptomics
Potassium Chloride
Metabolomics
Transcriptomics
Rifampicin
Metabolomics
Transcriptomics
Ritonavir
Metabolomics
Transcriptomics
Sucrose
Metabolomics
Transcriptomics
Tamoxifen
Metabolomics
Transcriptomics
0.04
0.1
0.4
1
4
10
40
100
400
Benchmark Concentration (μM)