

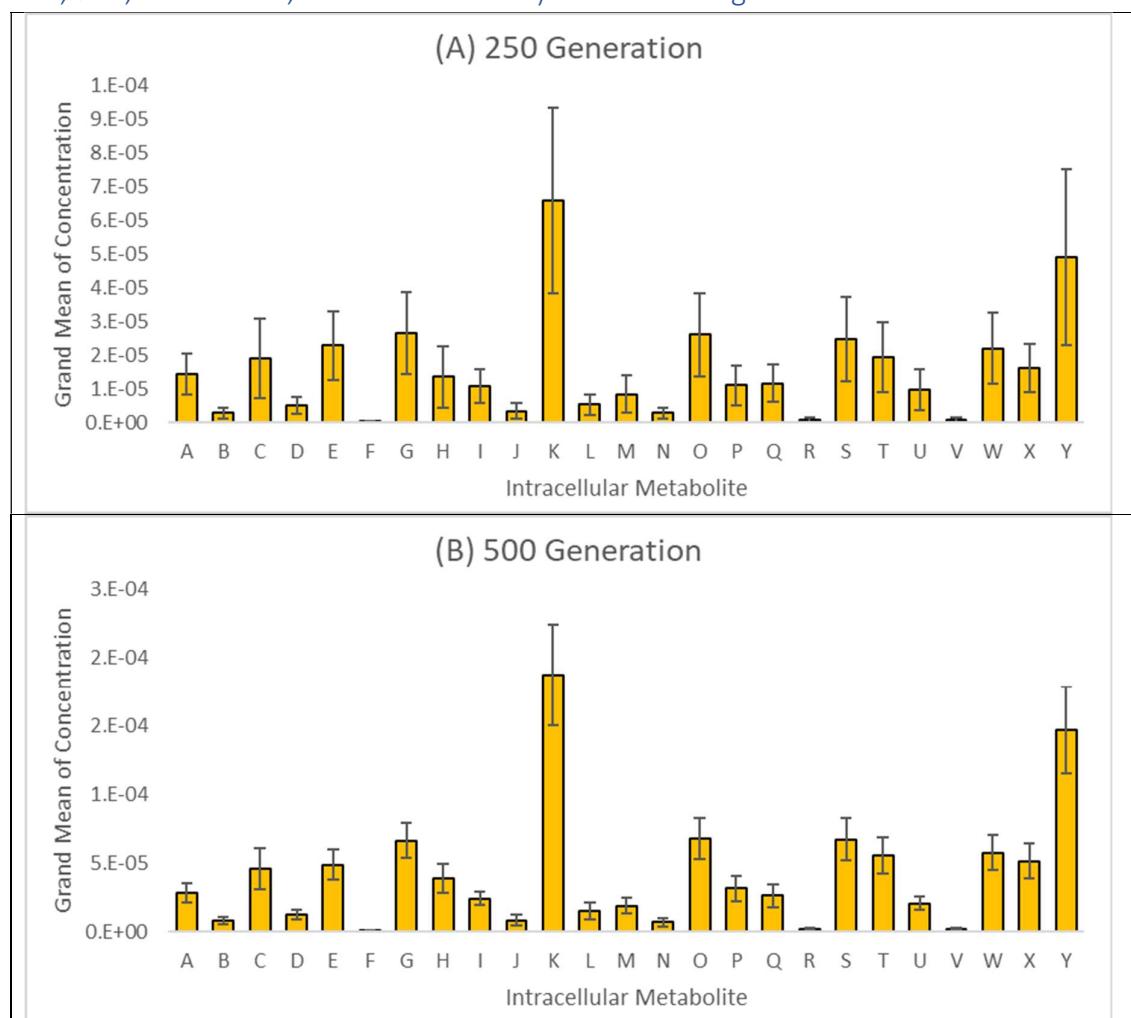
Supplementary Materials

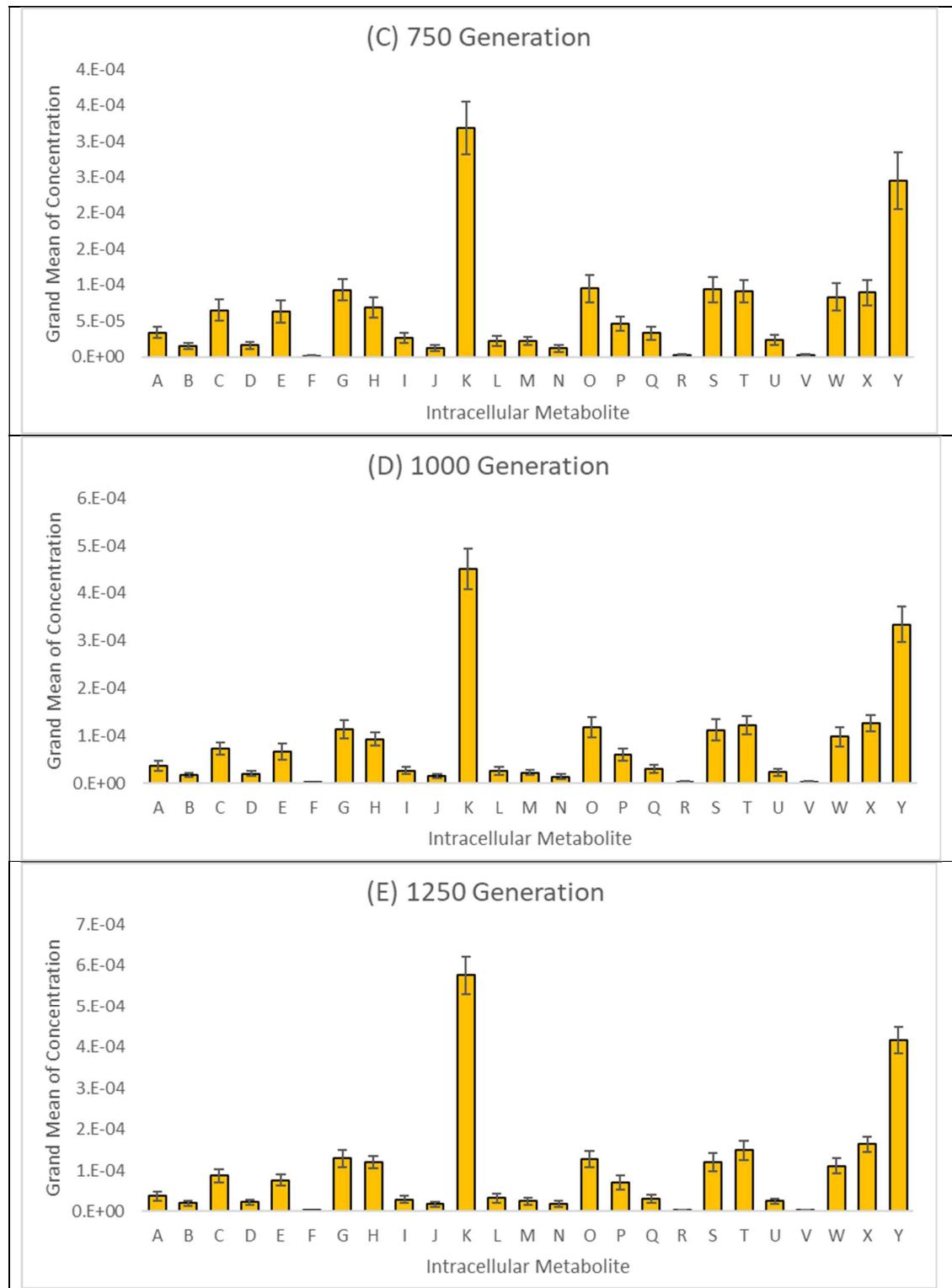
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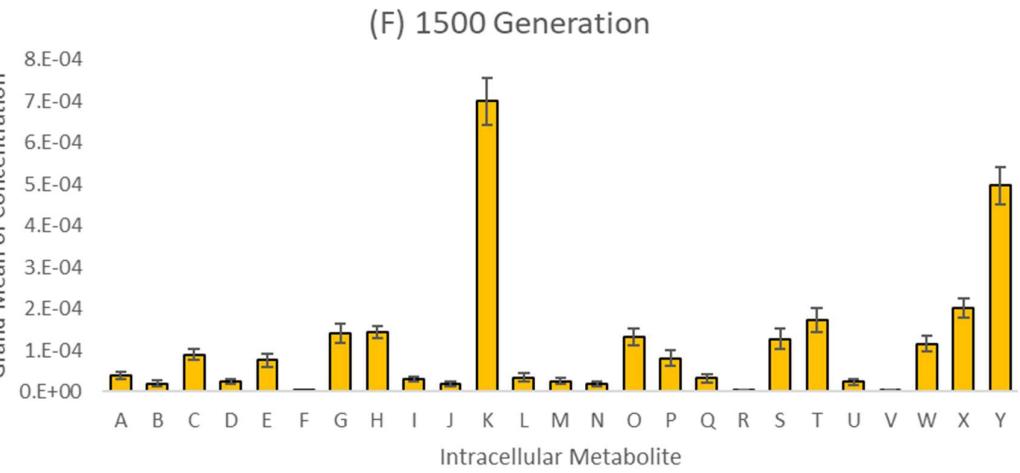
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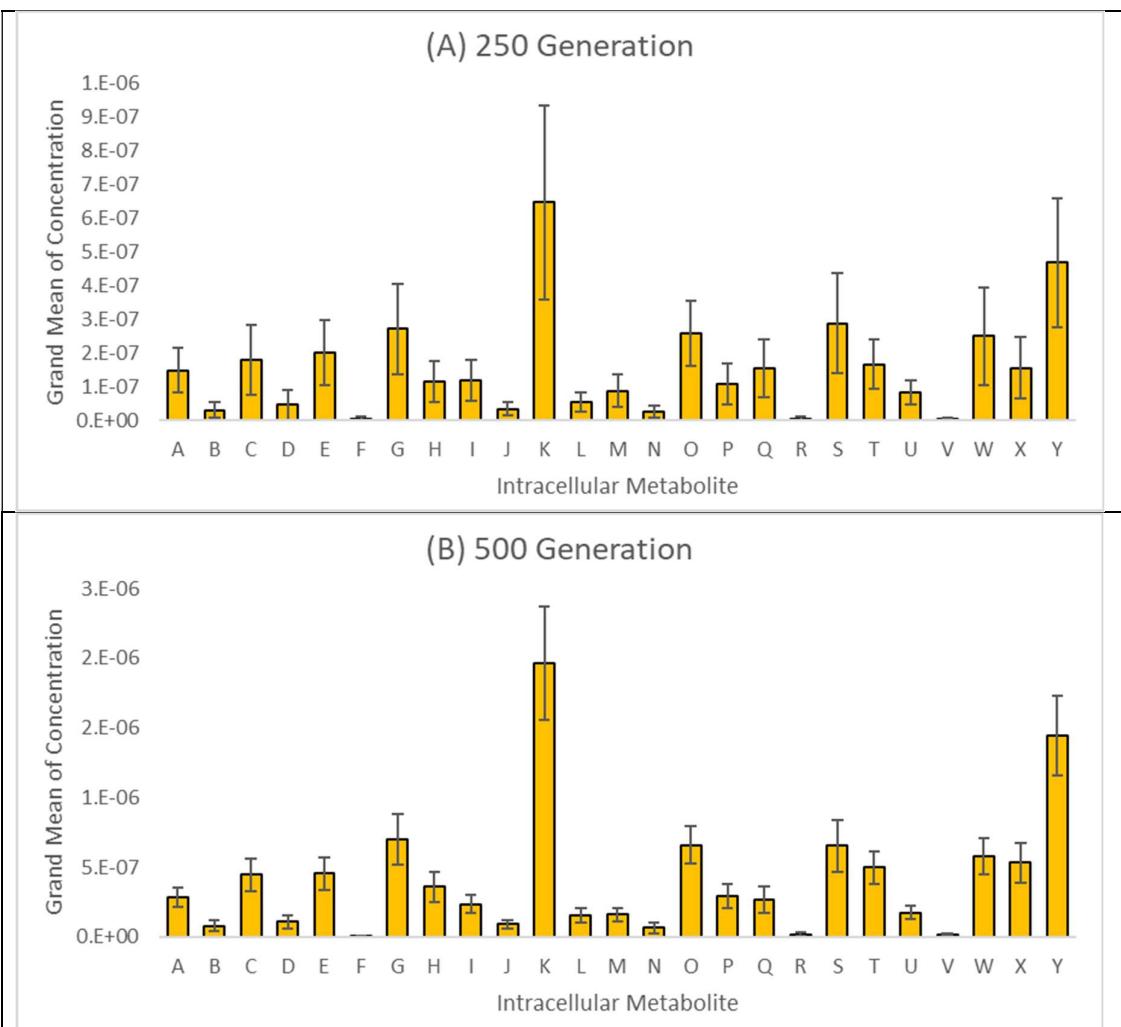
S1. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000. 1250, 1500 Generations) for Control High

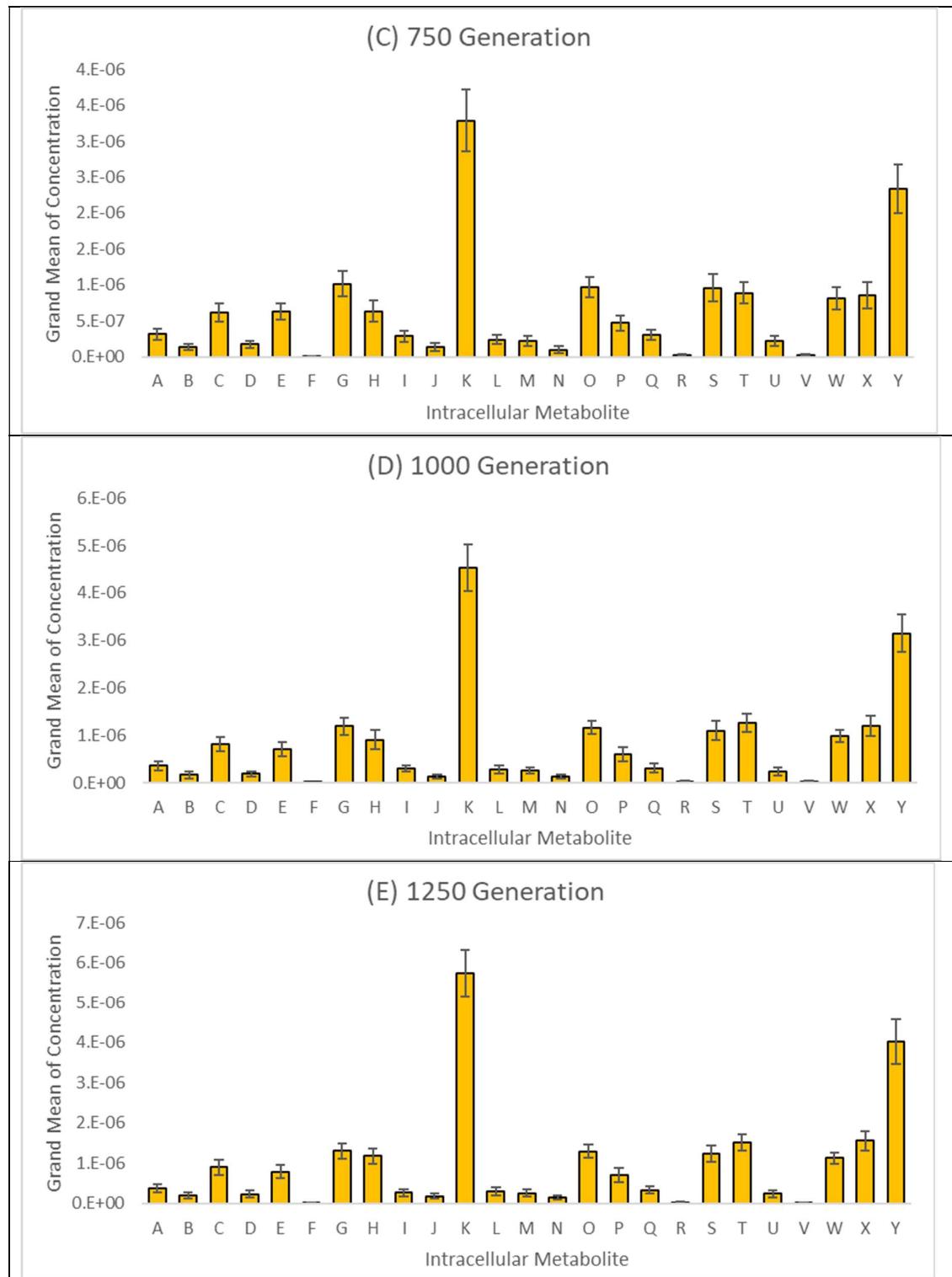


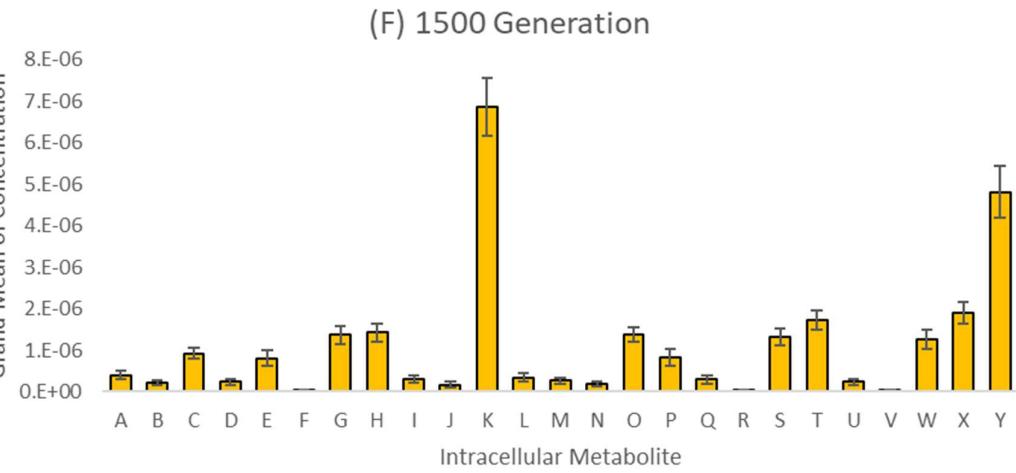




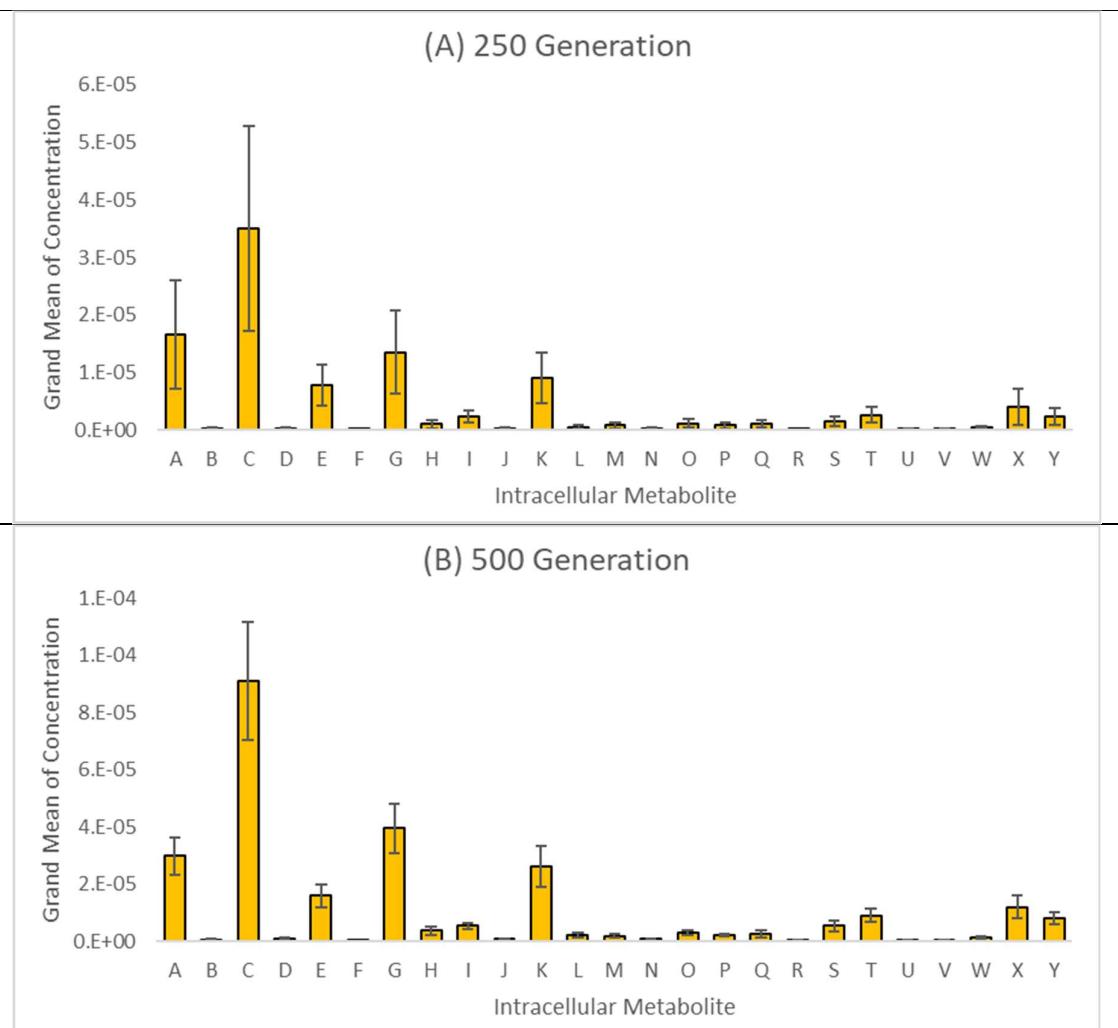
S2. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Control Low



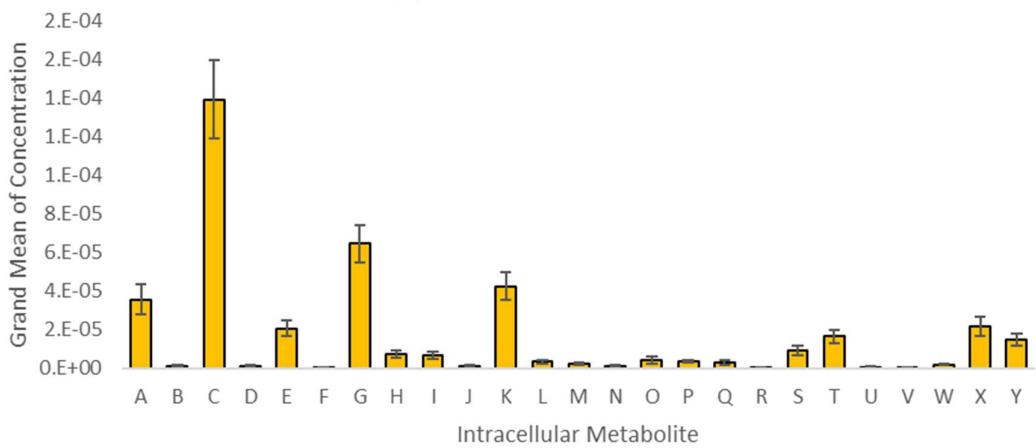




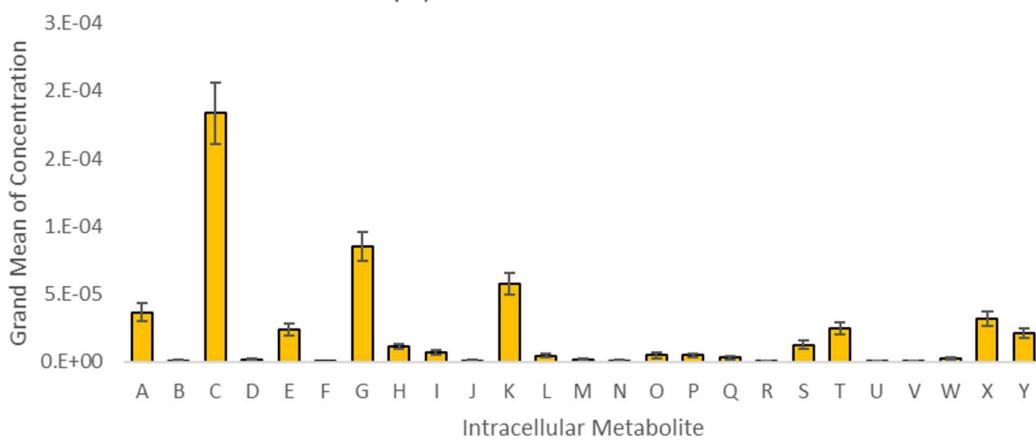
S3. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_1



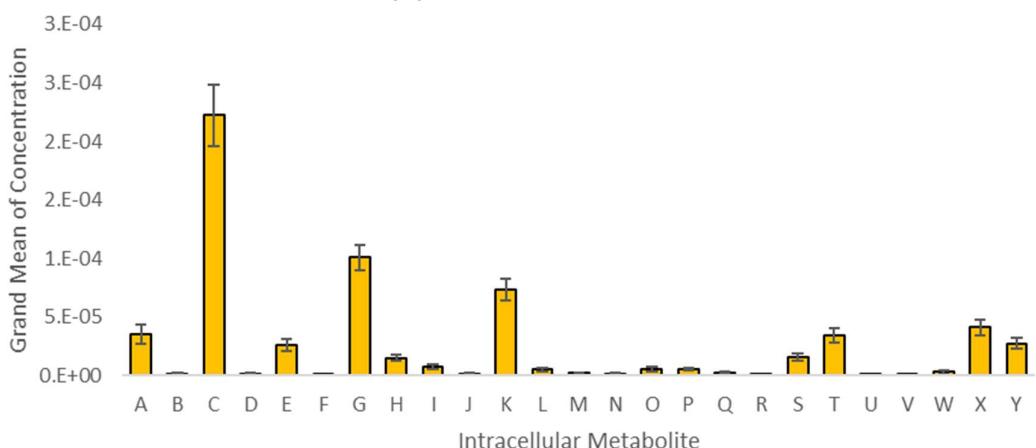
(C) 750 Generation

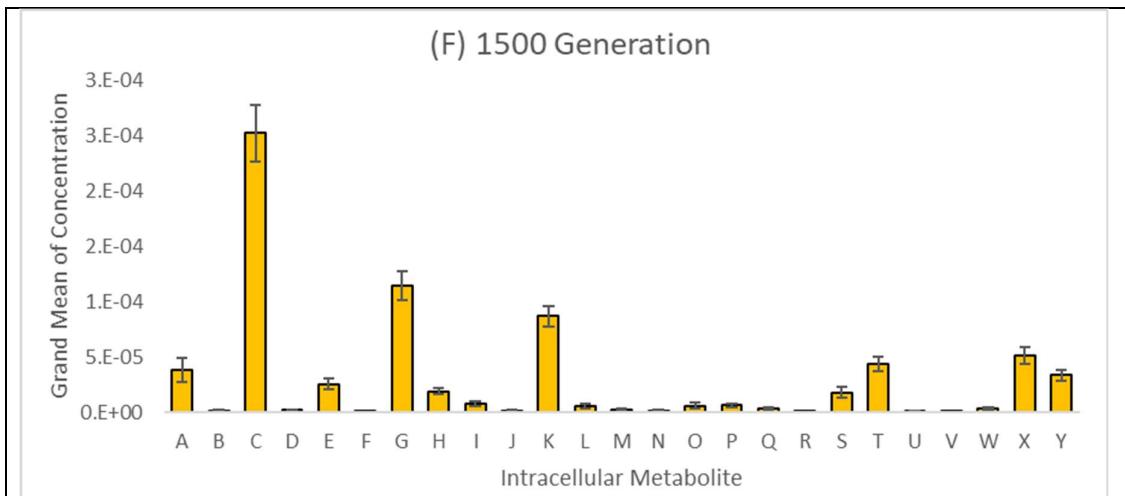


(D) 1000 Generation

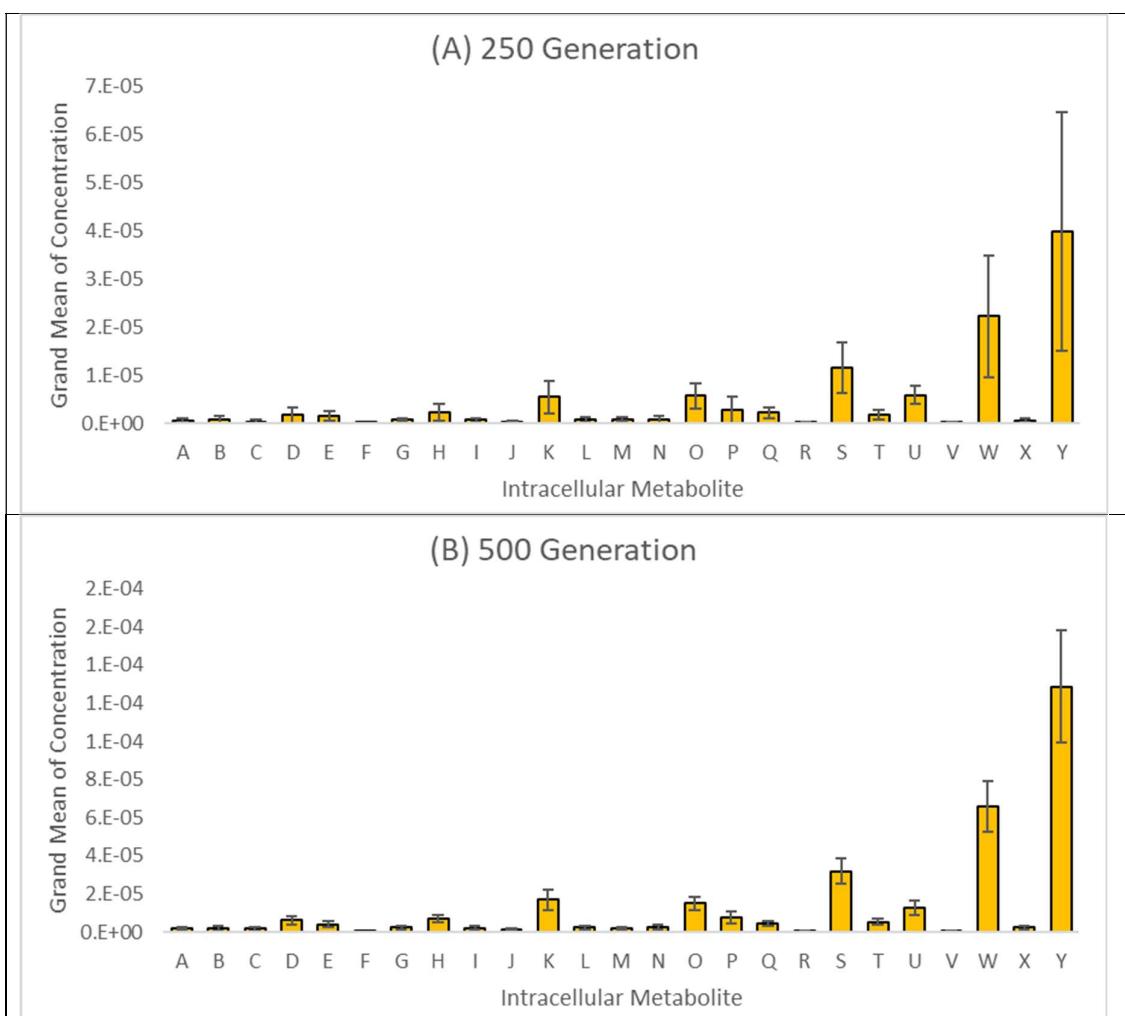


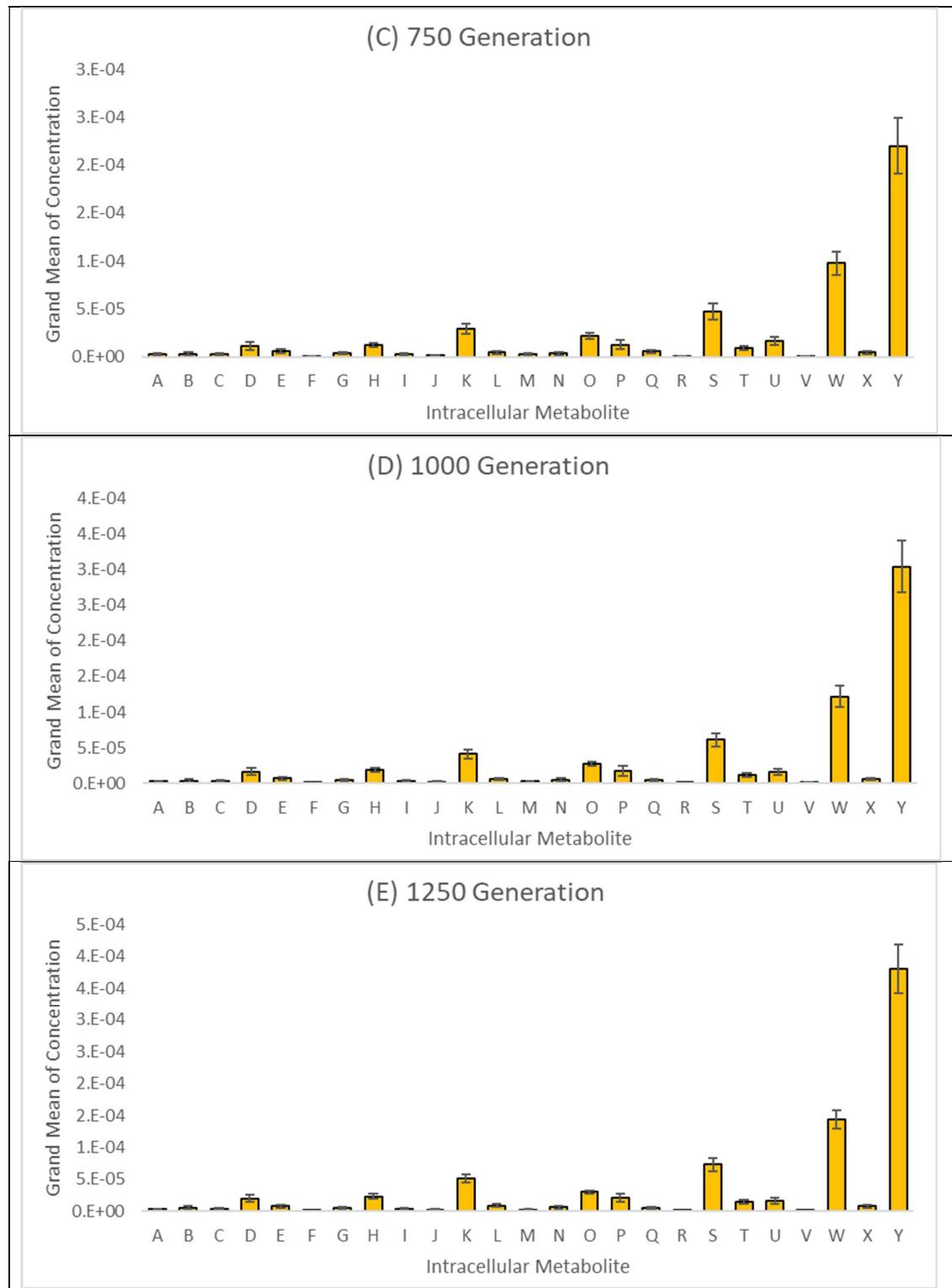
(E) 1250 Generation

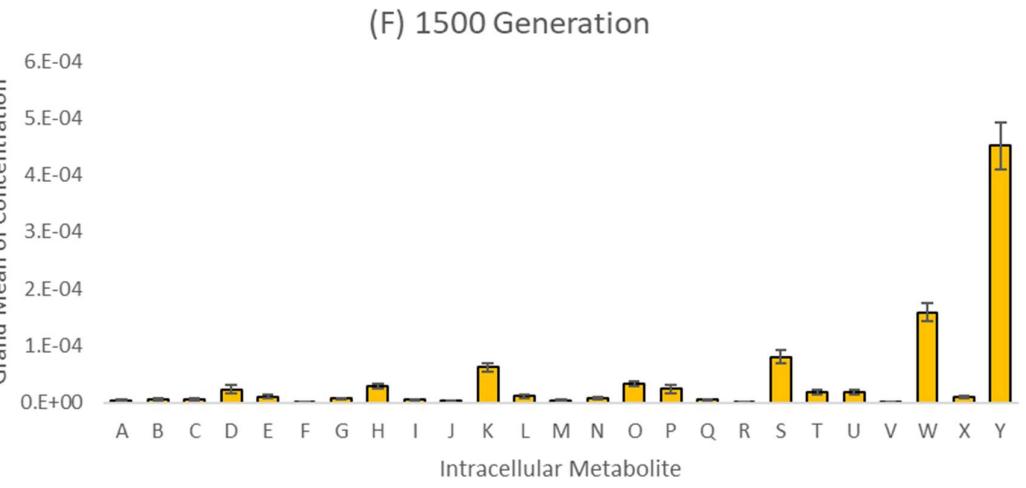




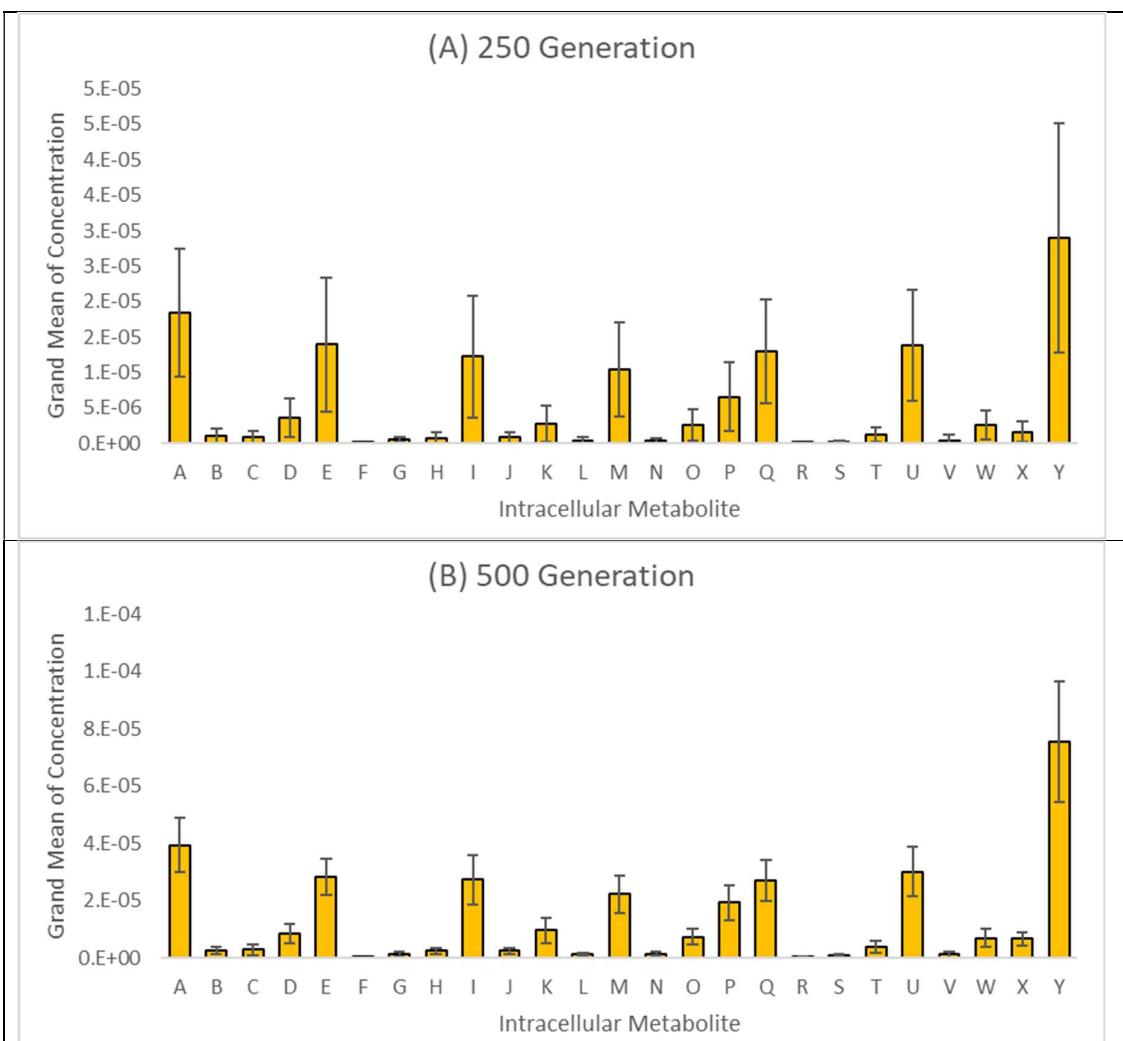
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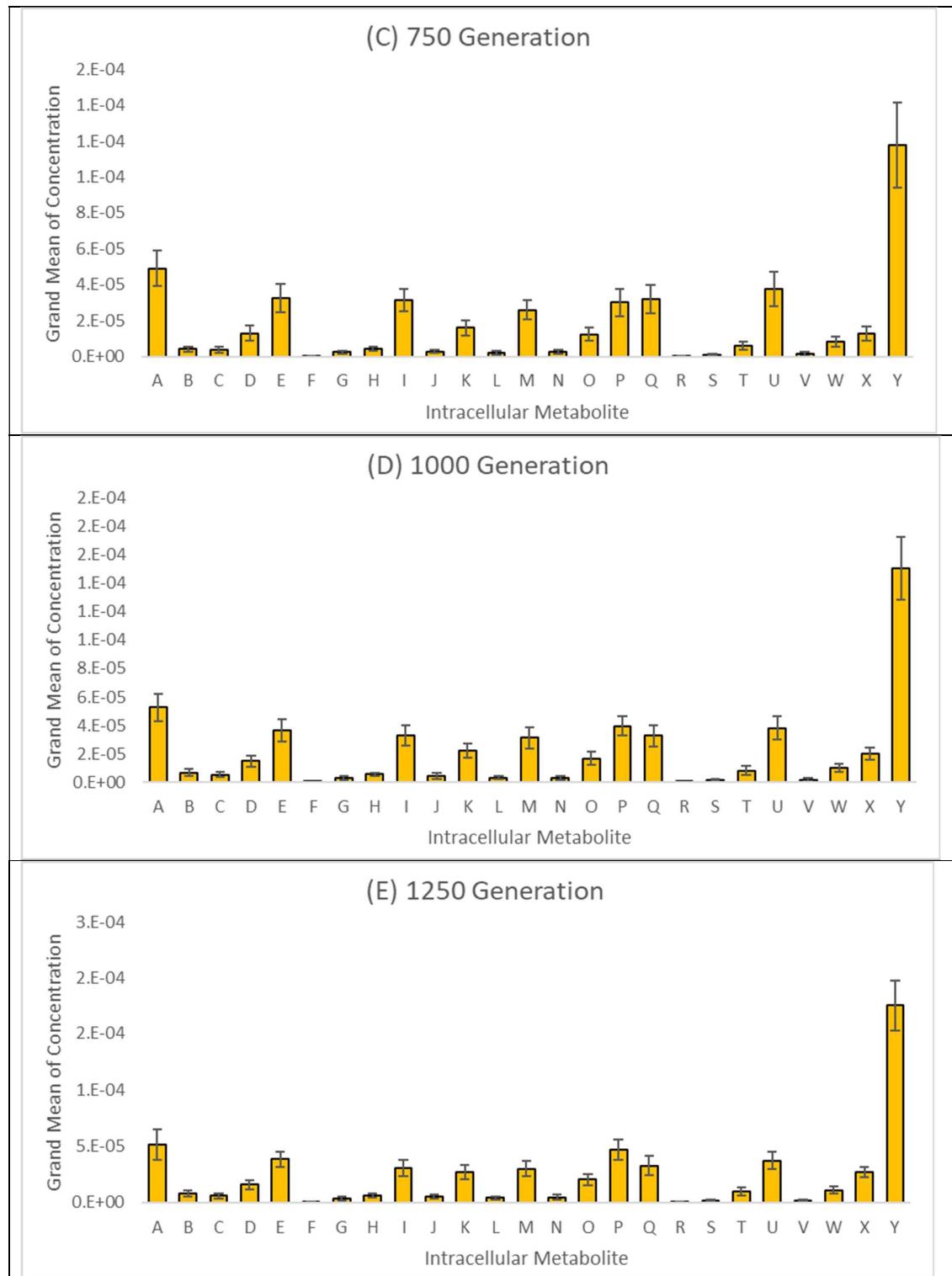


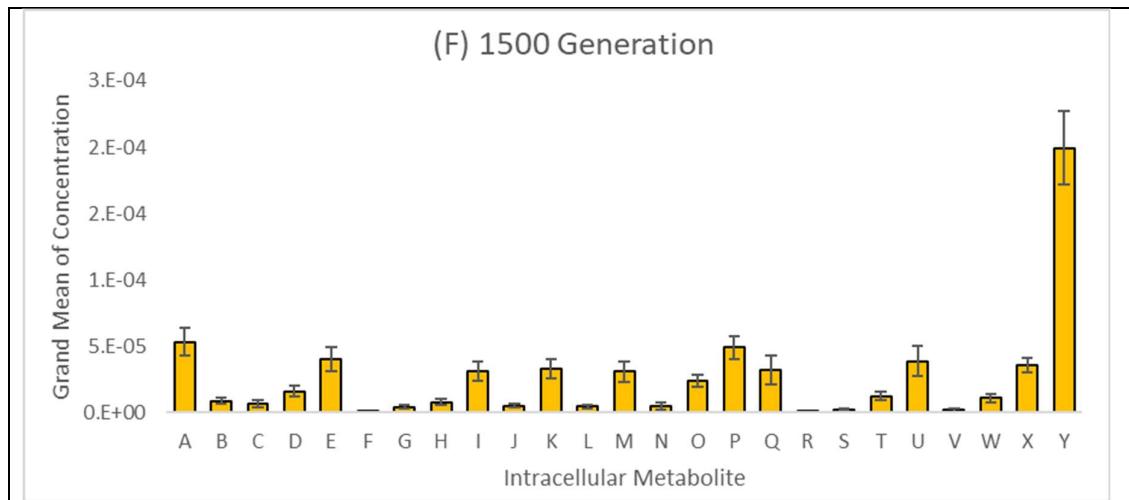




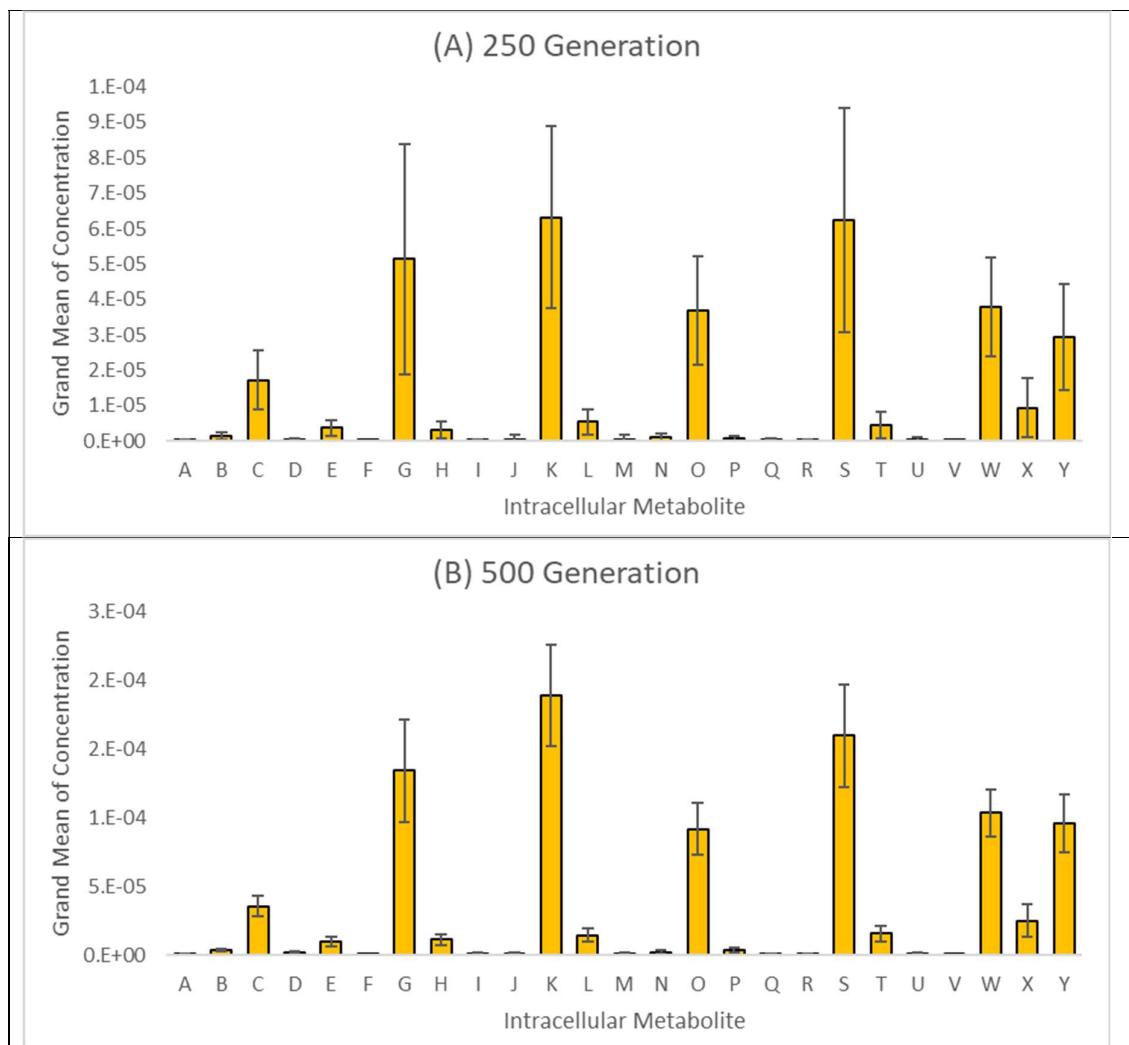
S5. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_3

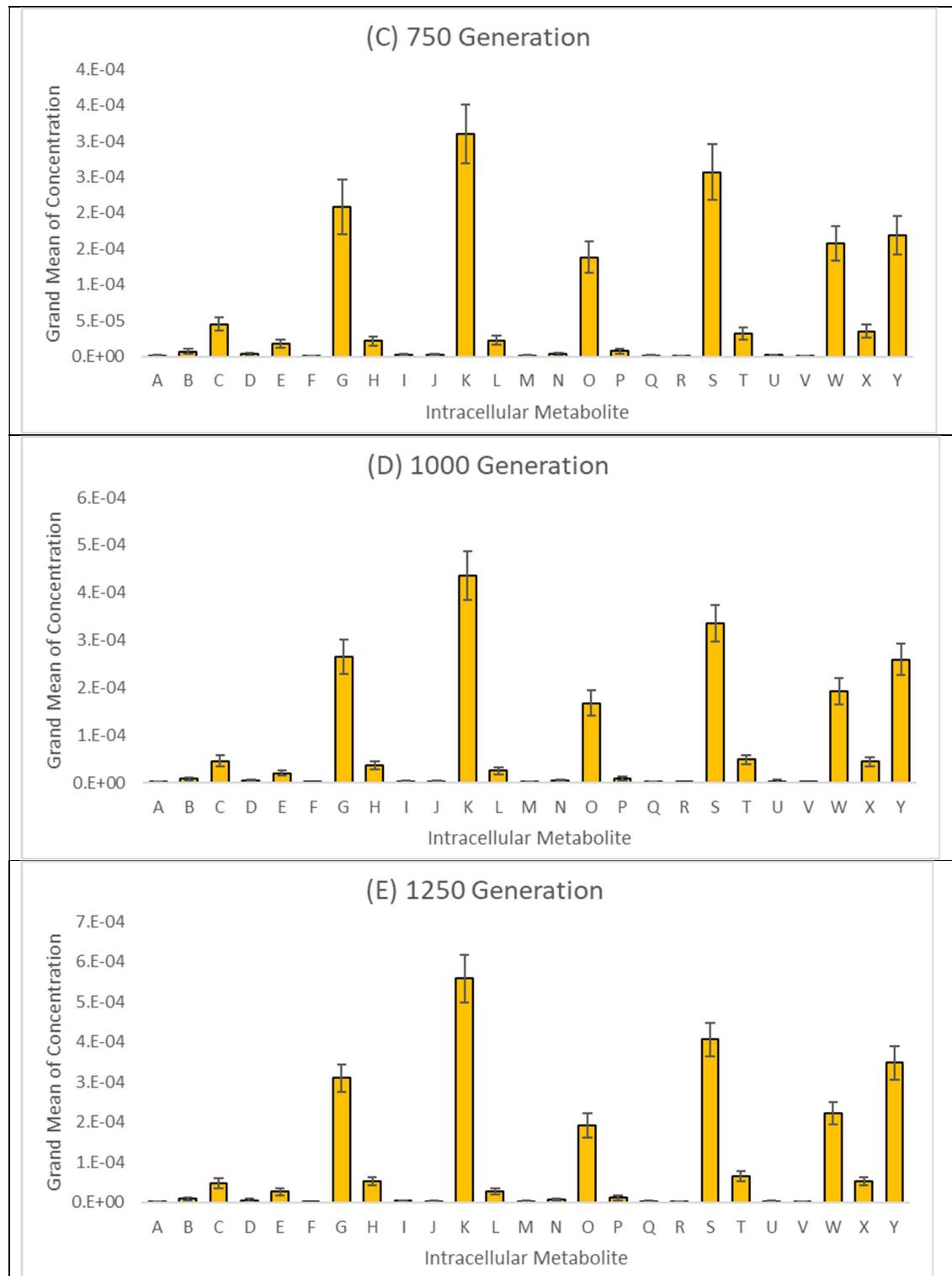


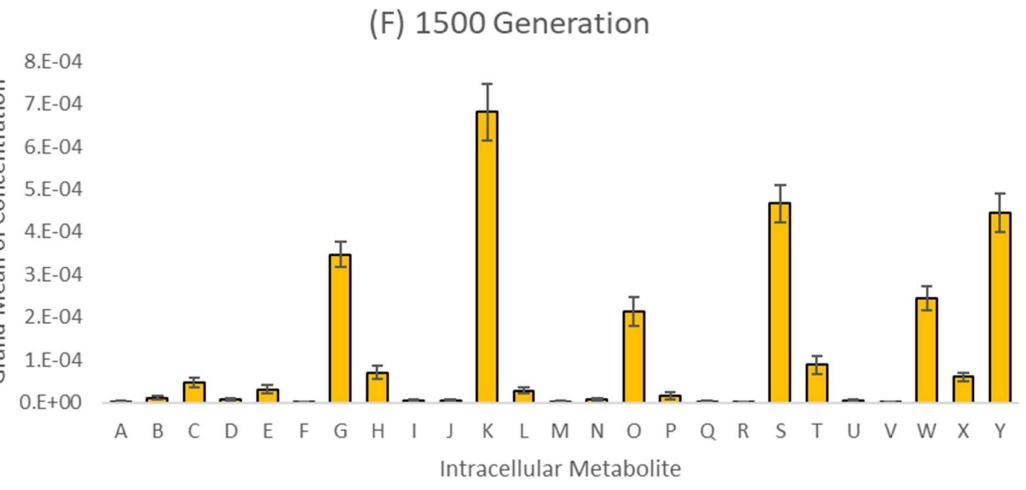




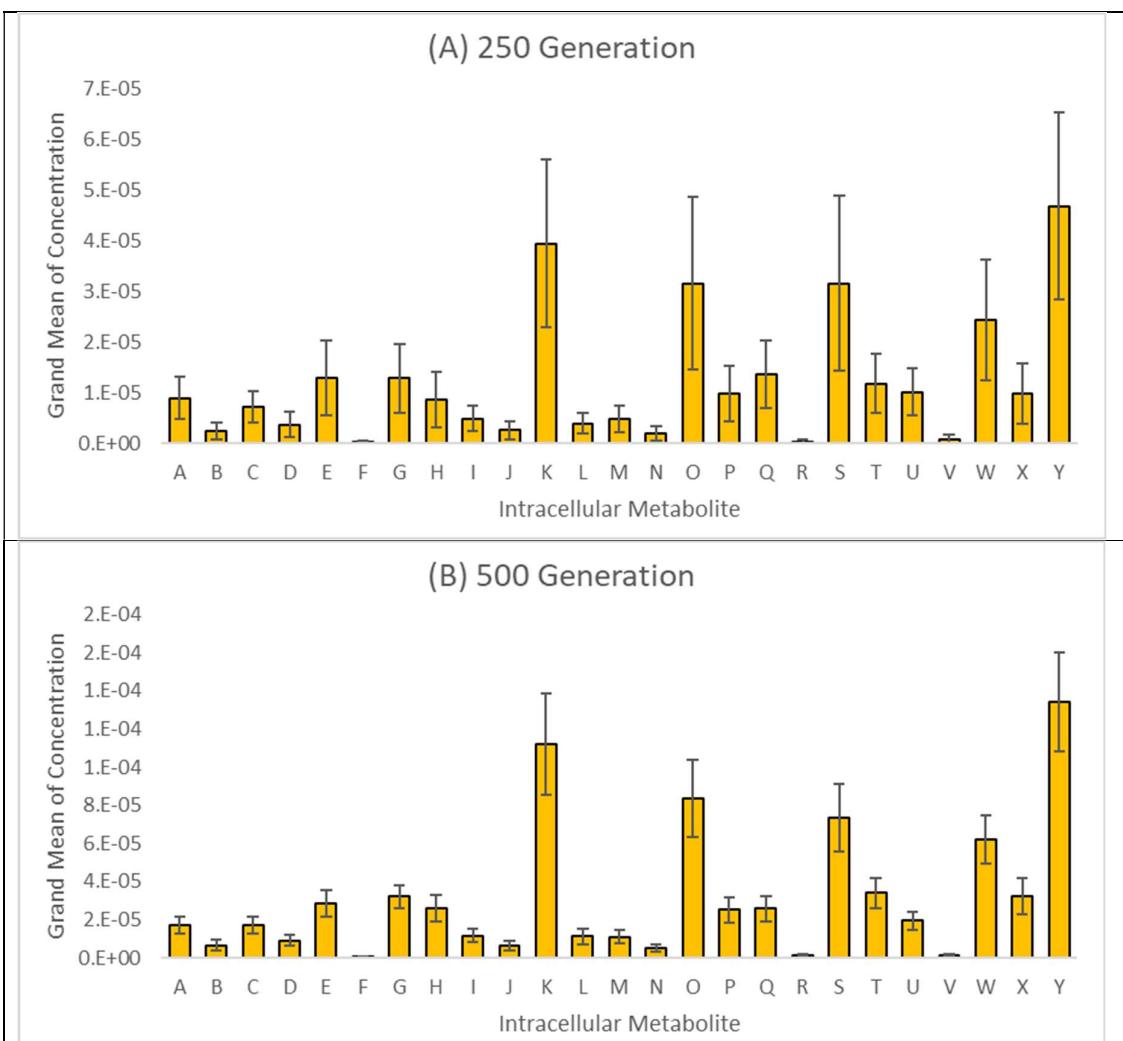
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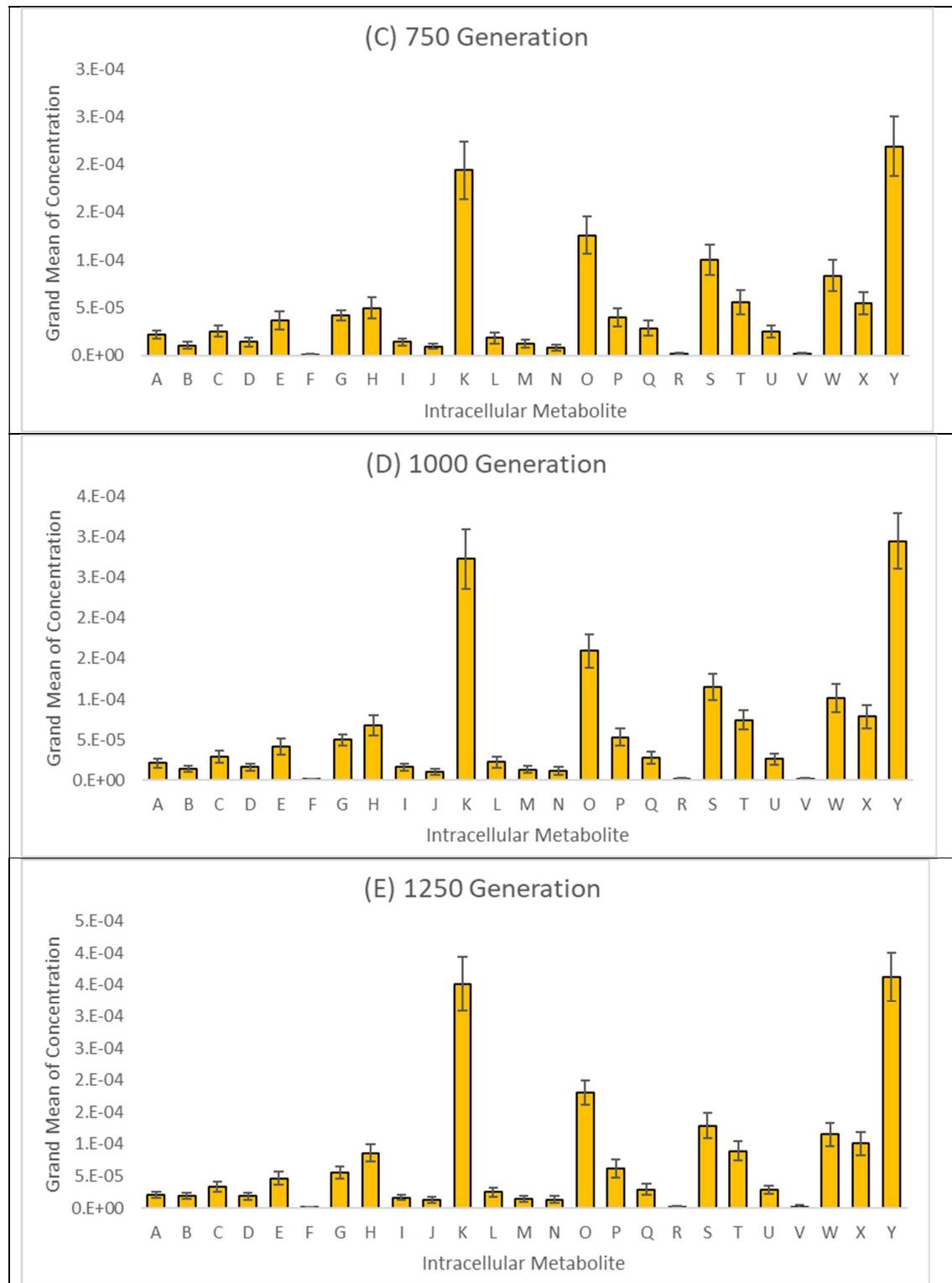


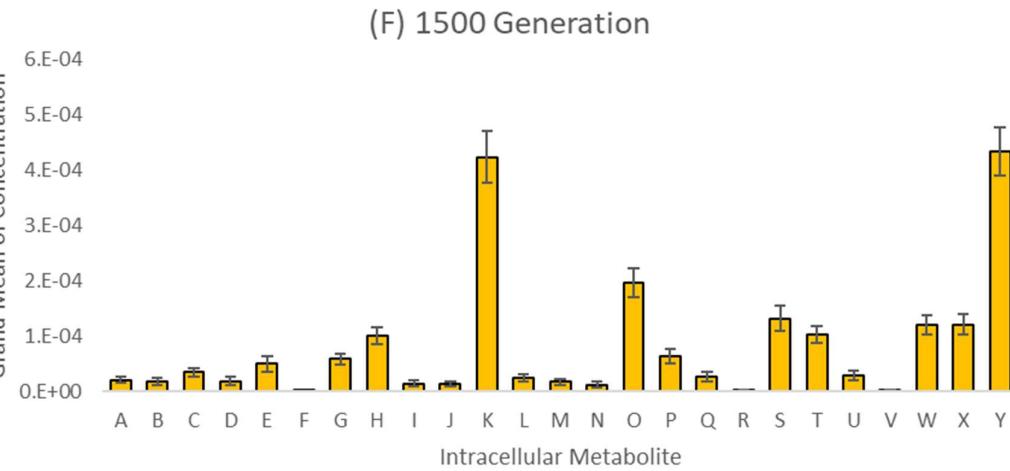




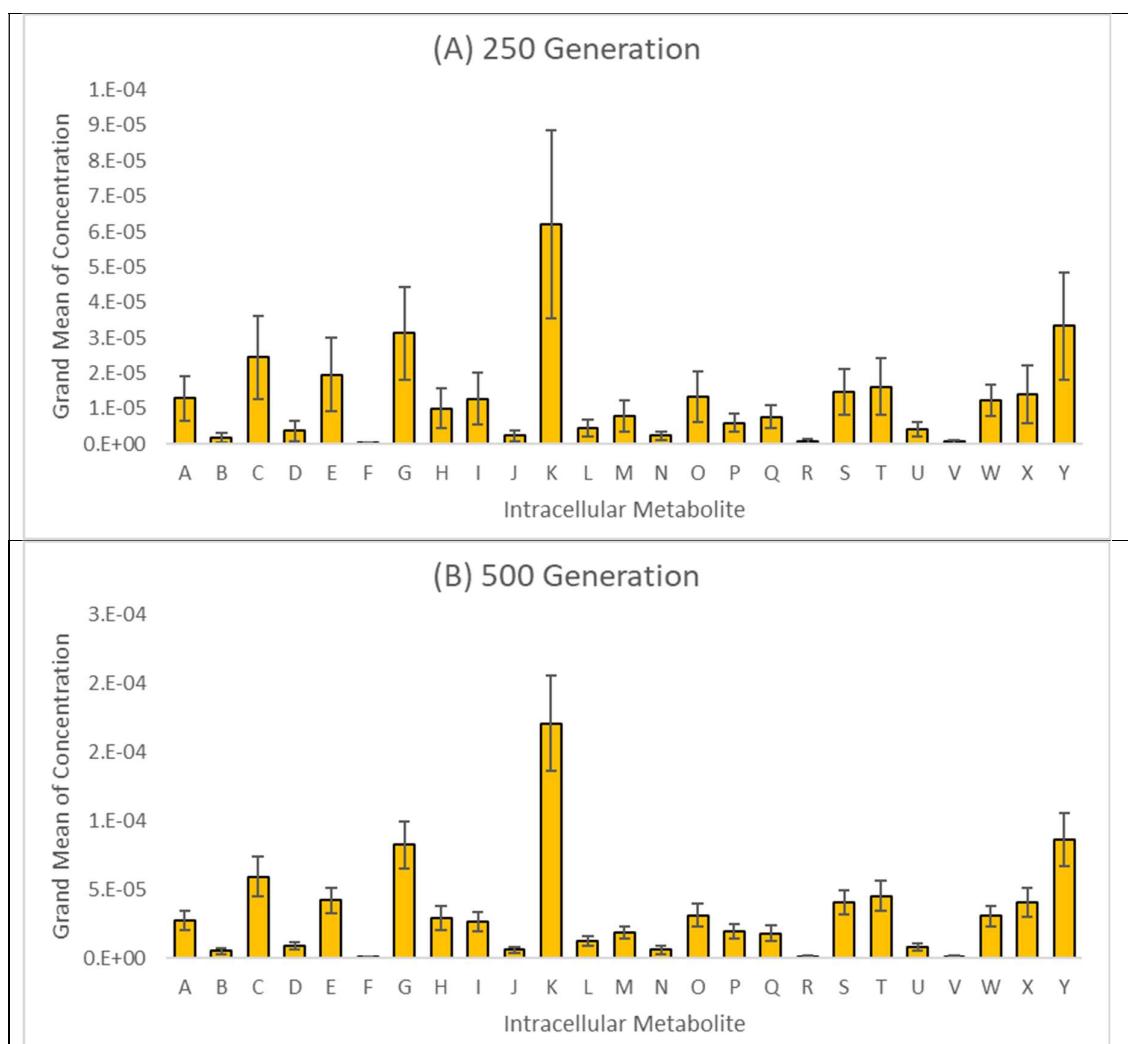
S7. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_5

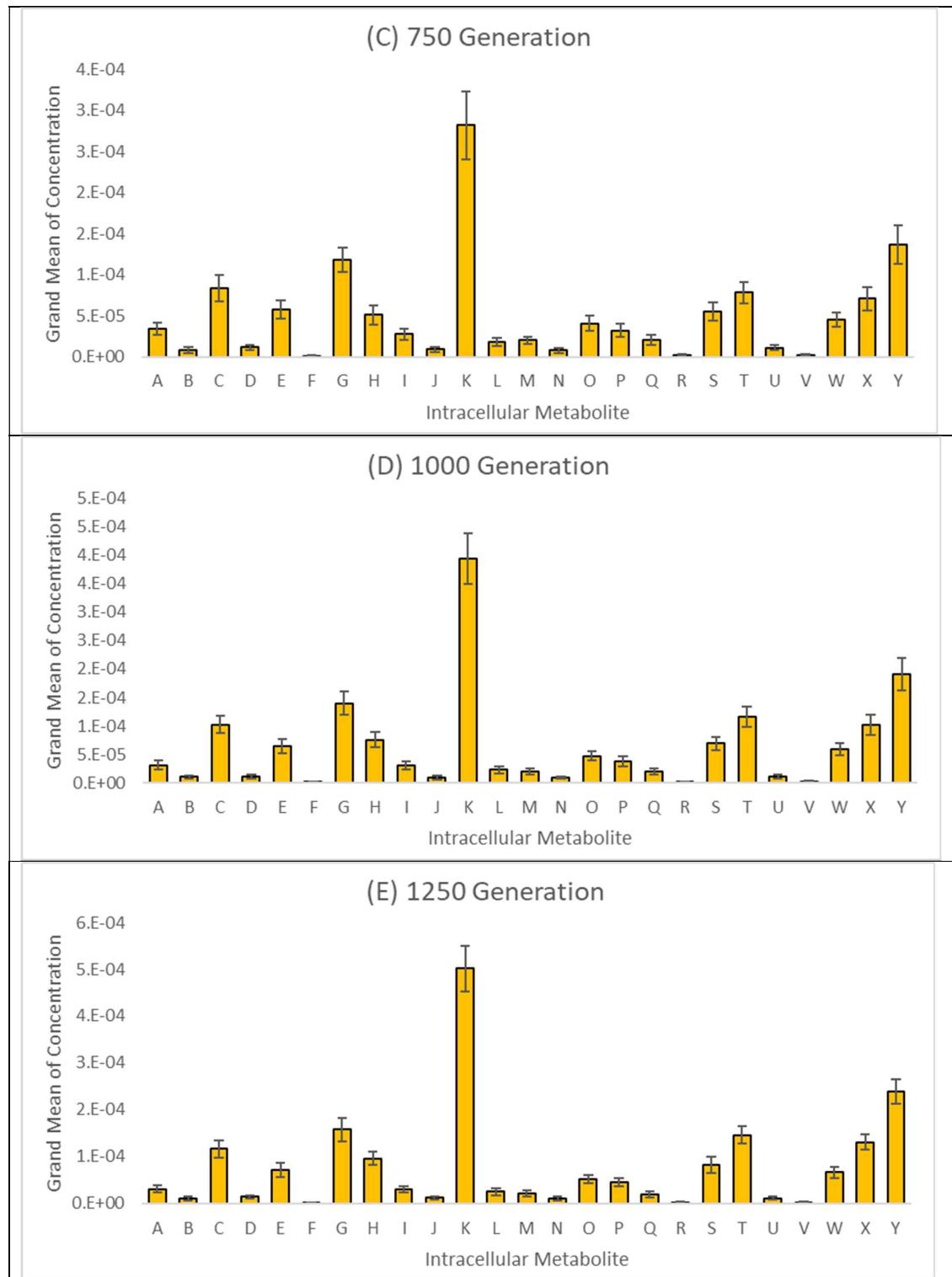


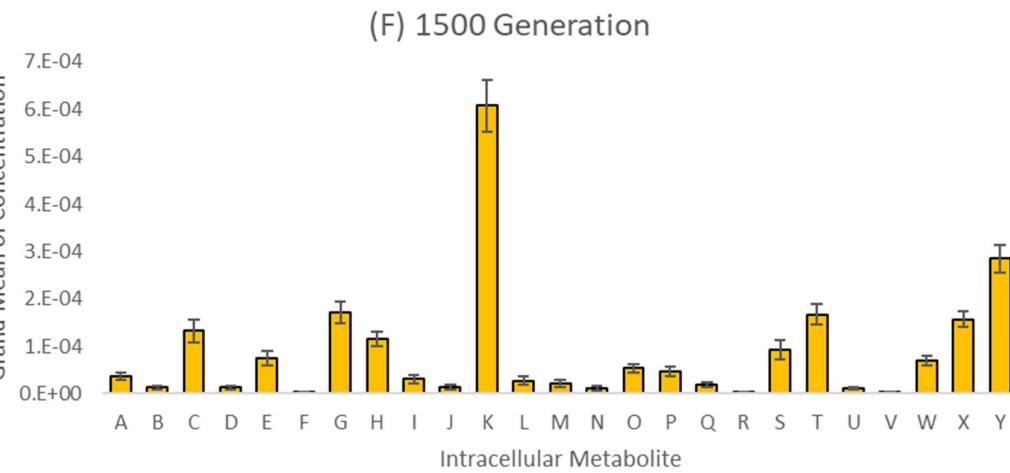




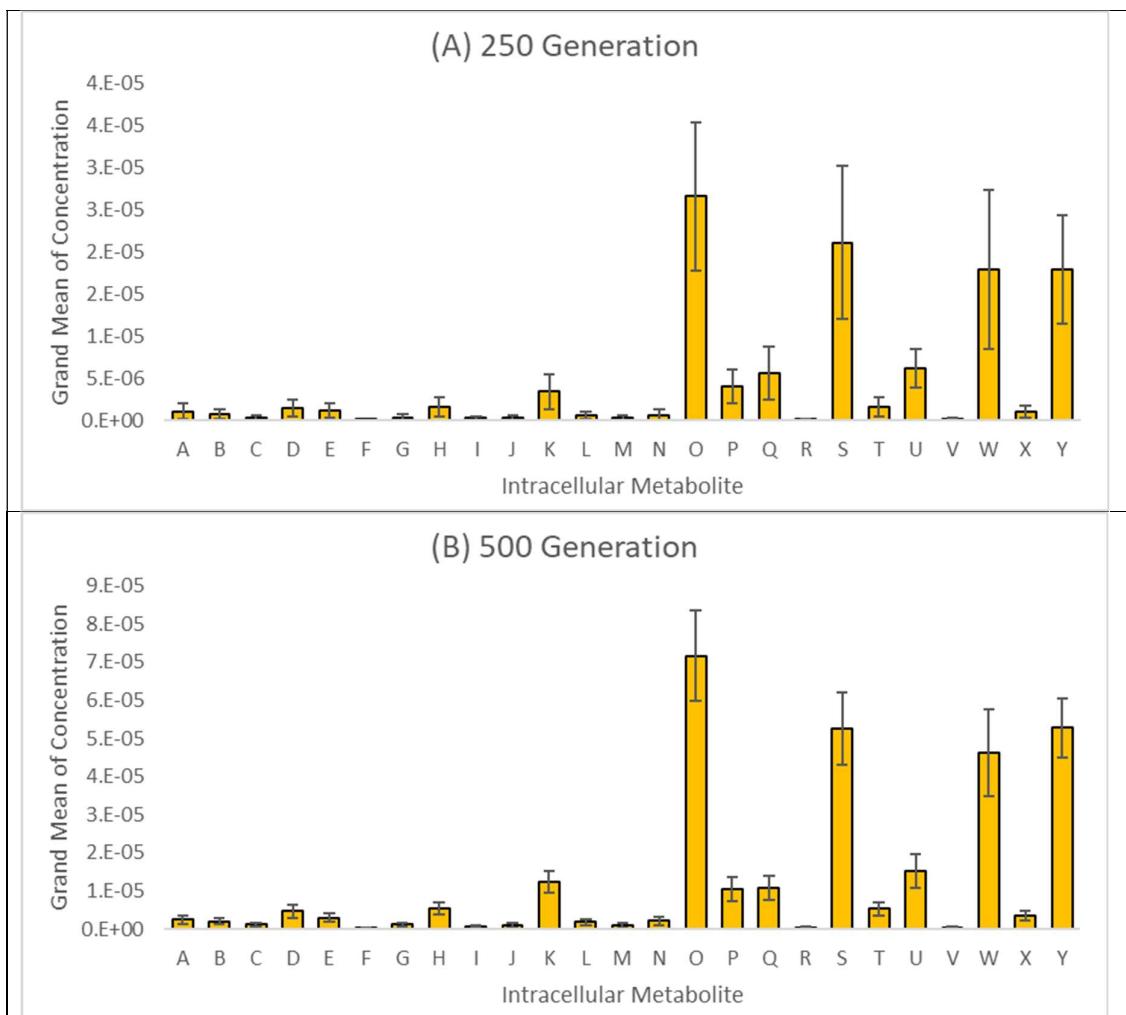
S8. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_6

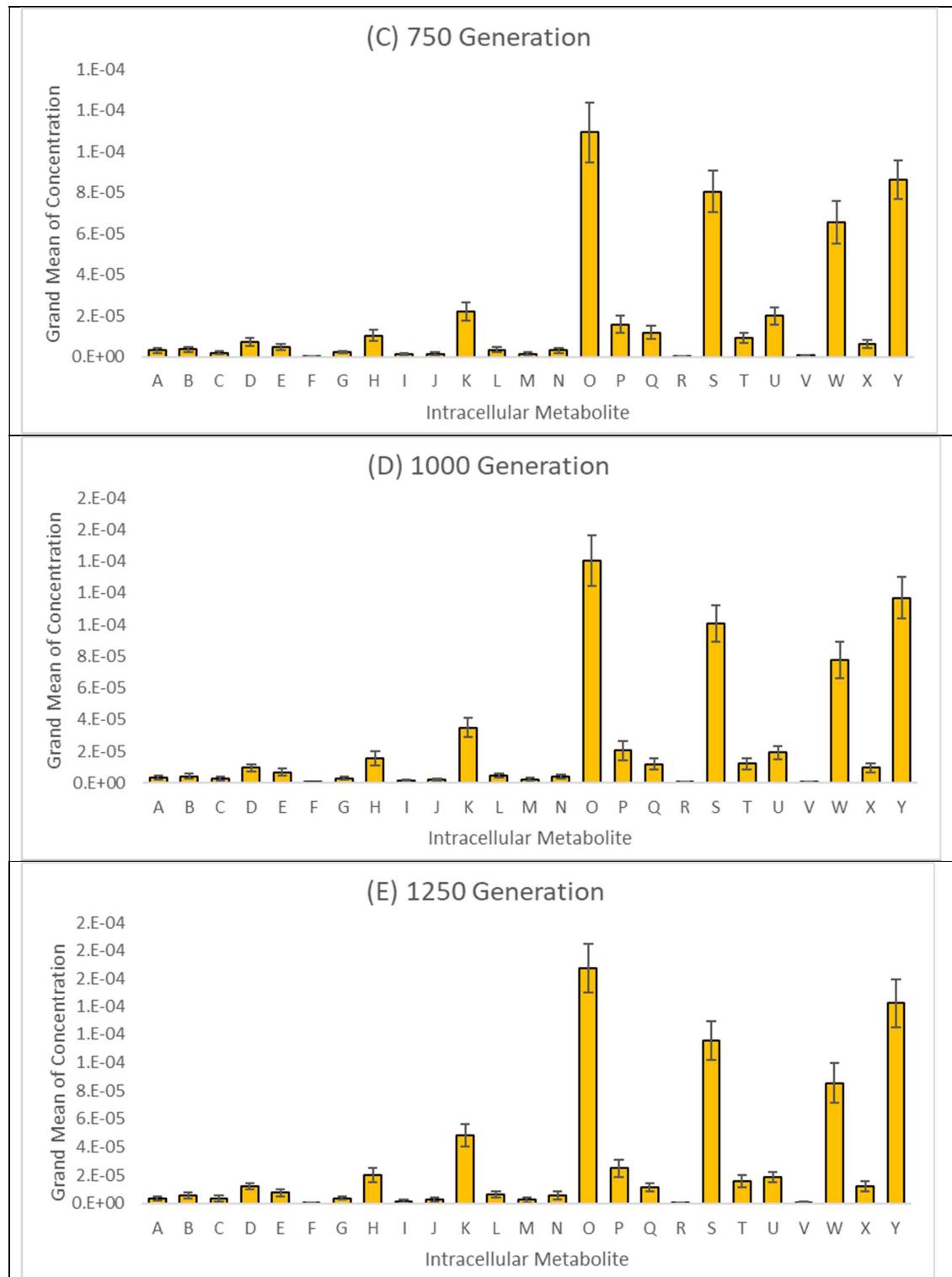


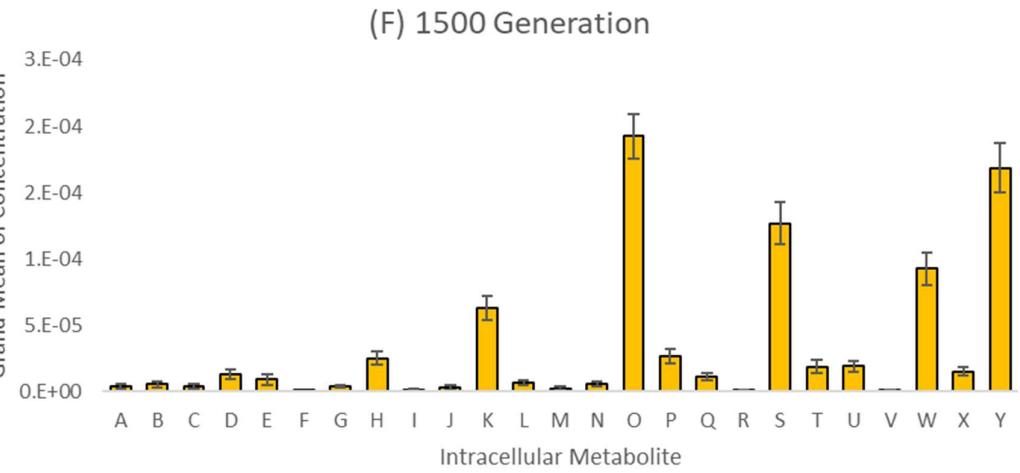




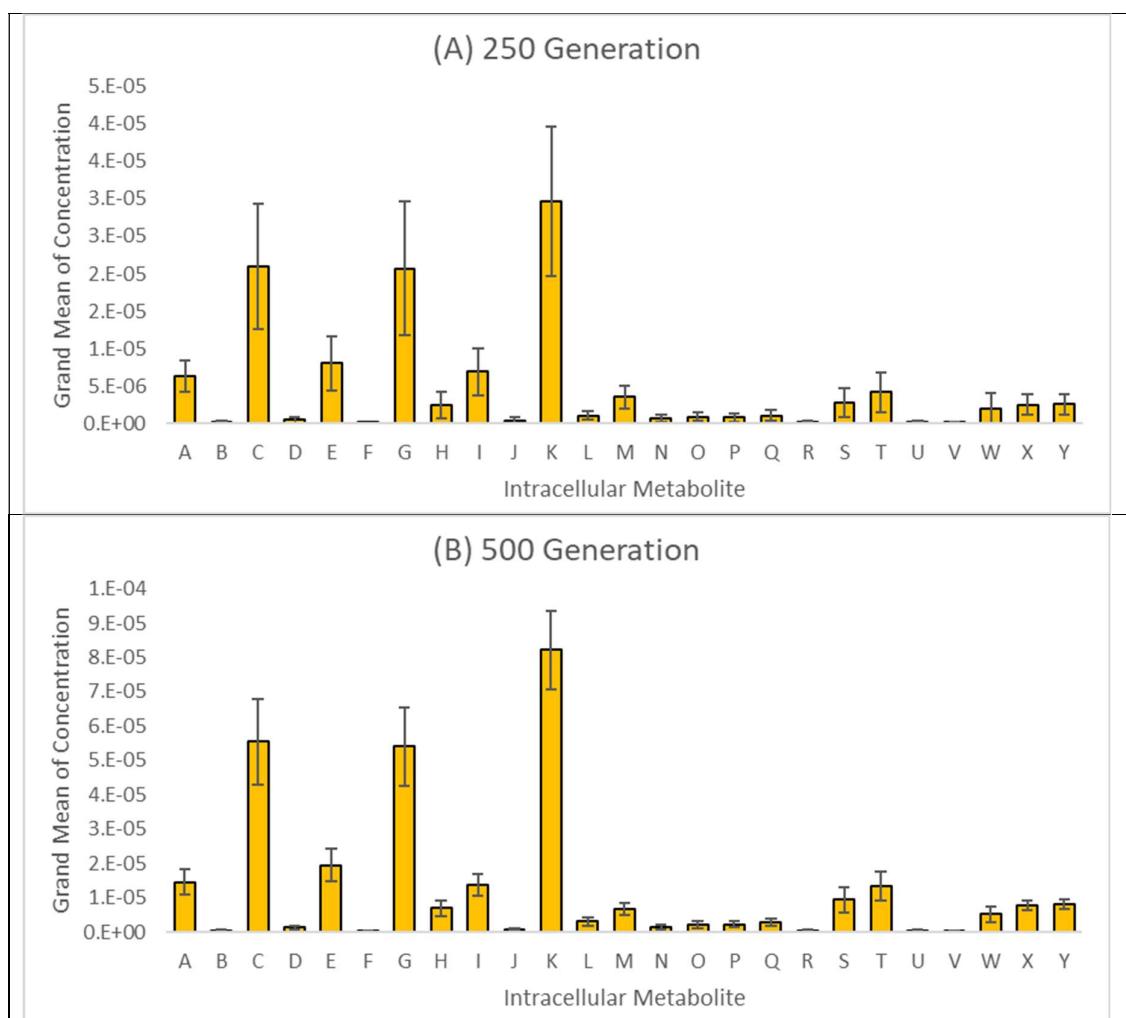
S9. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_7

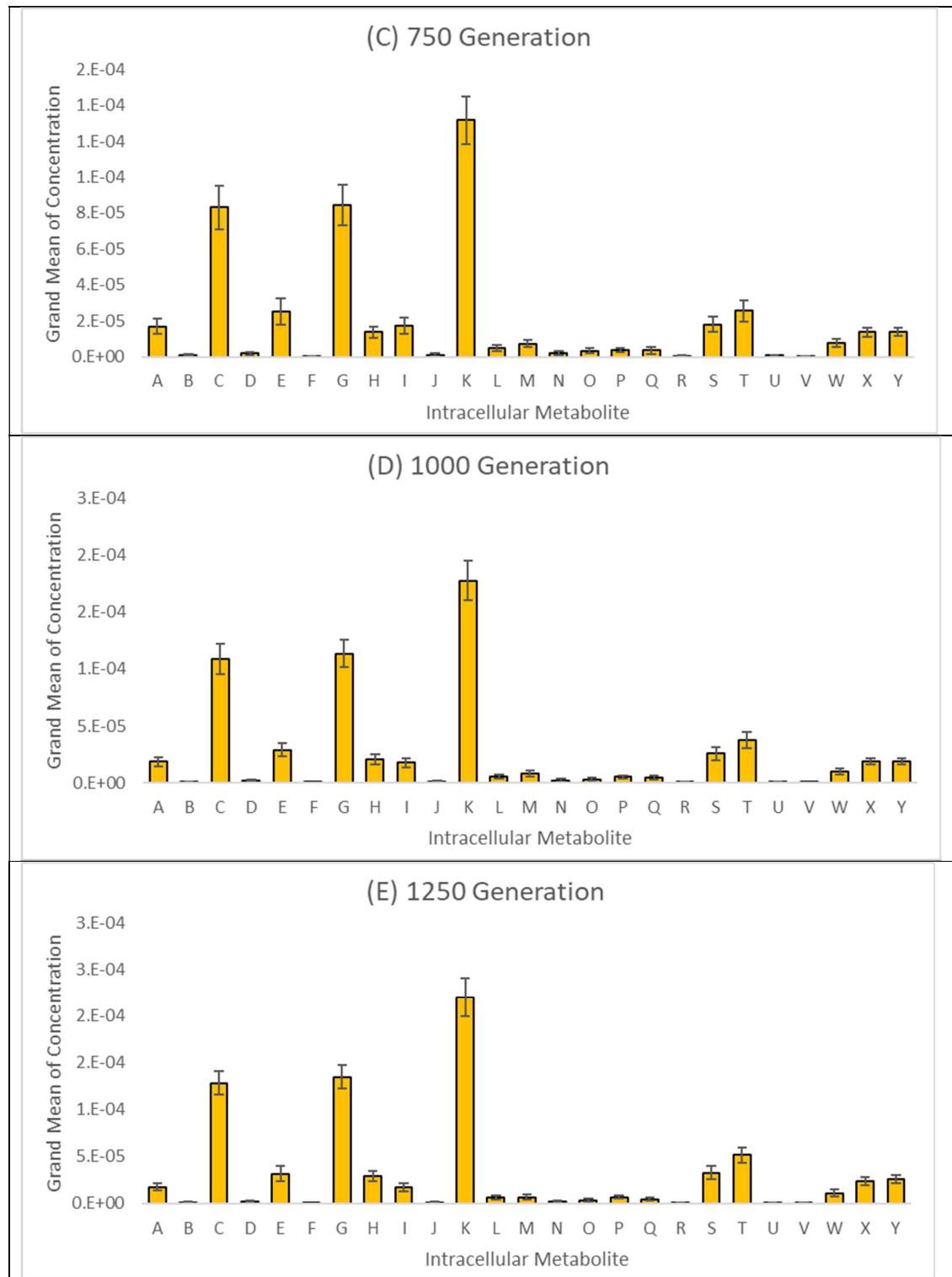


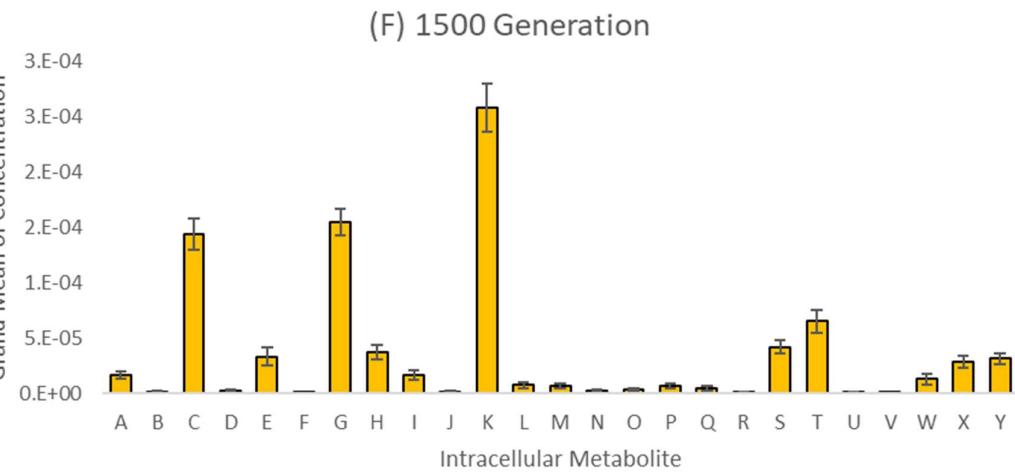




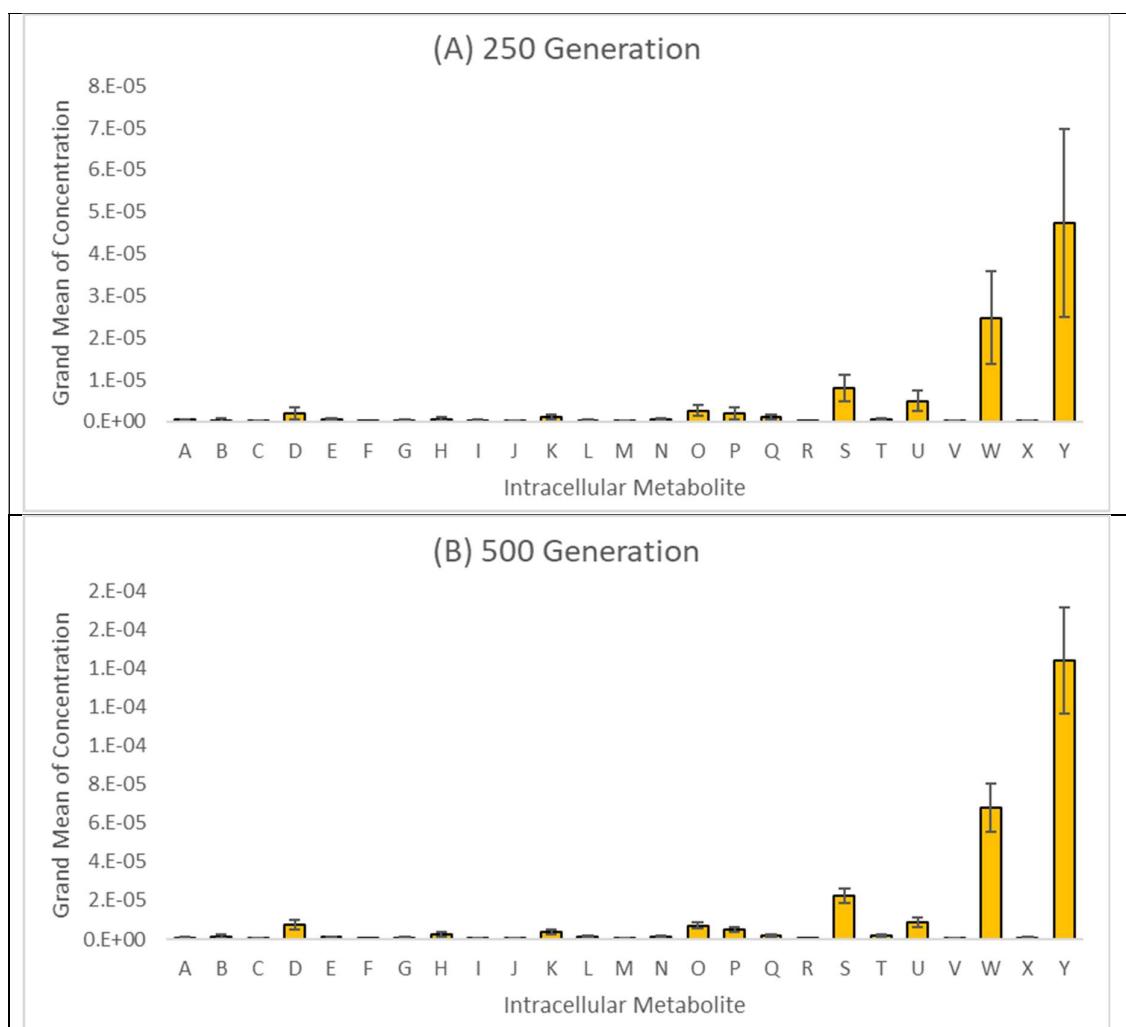
S10. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_8

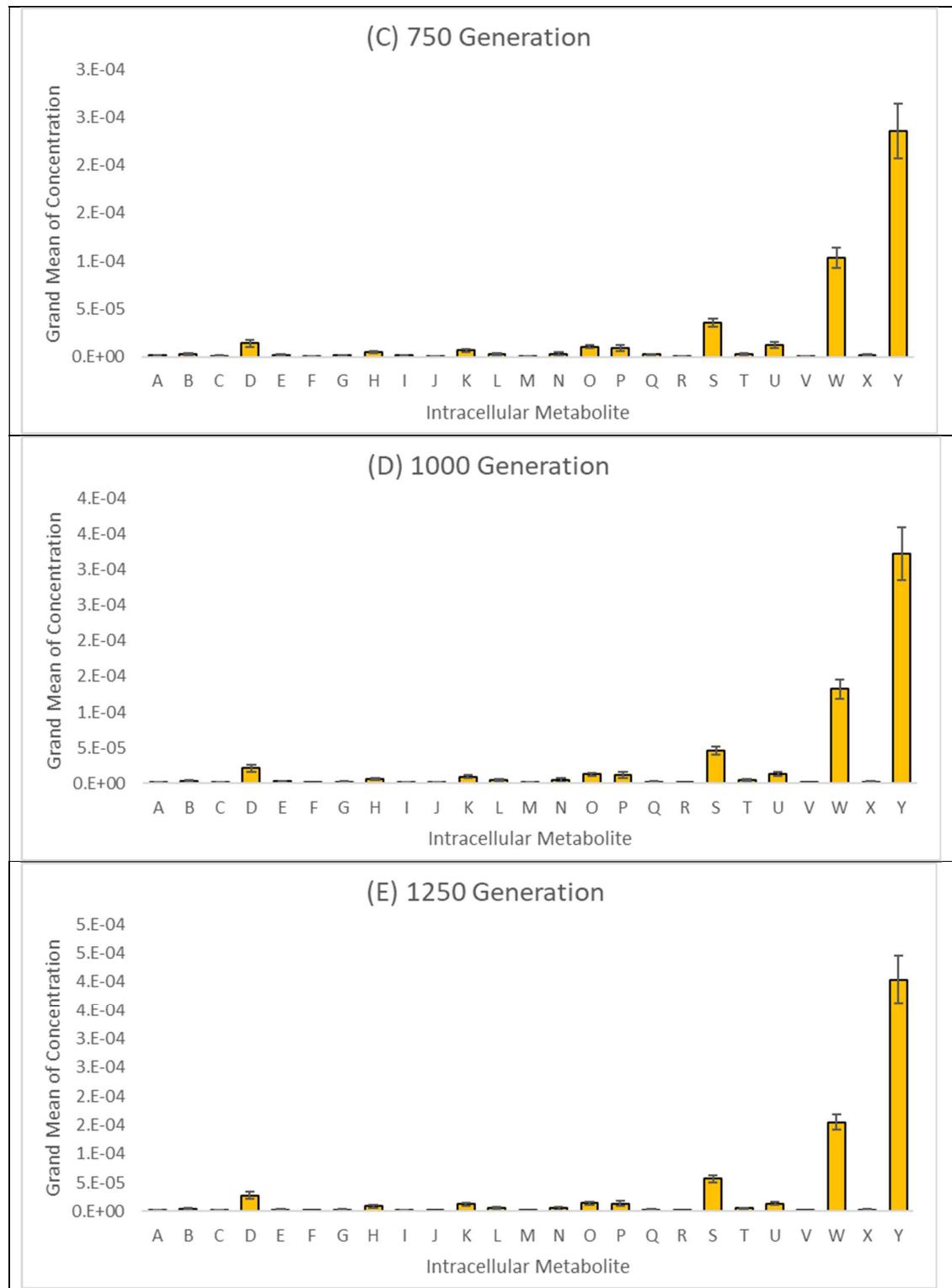


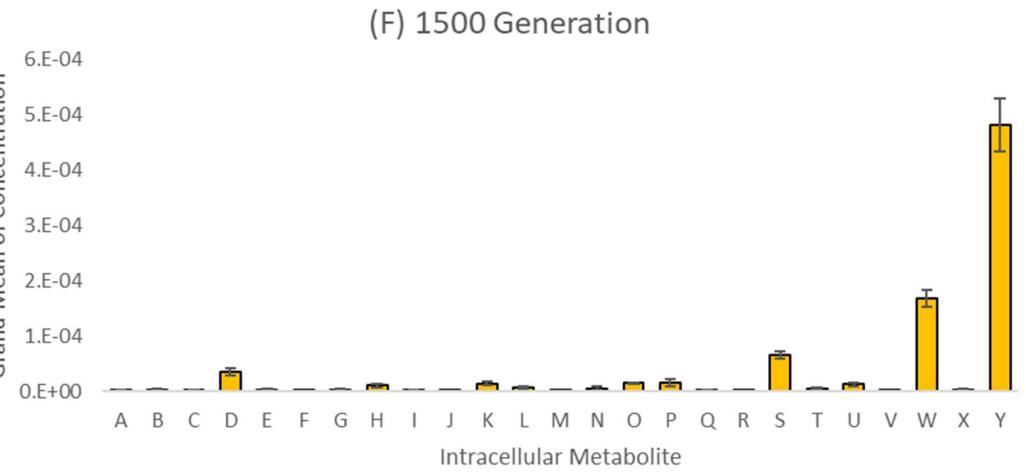




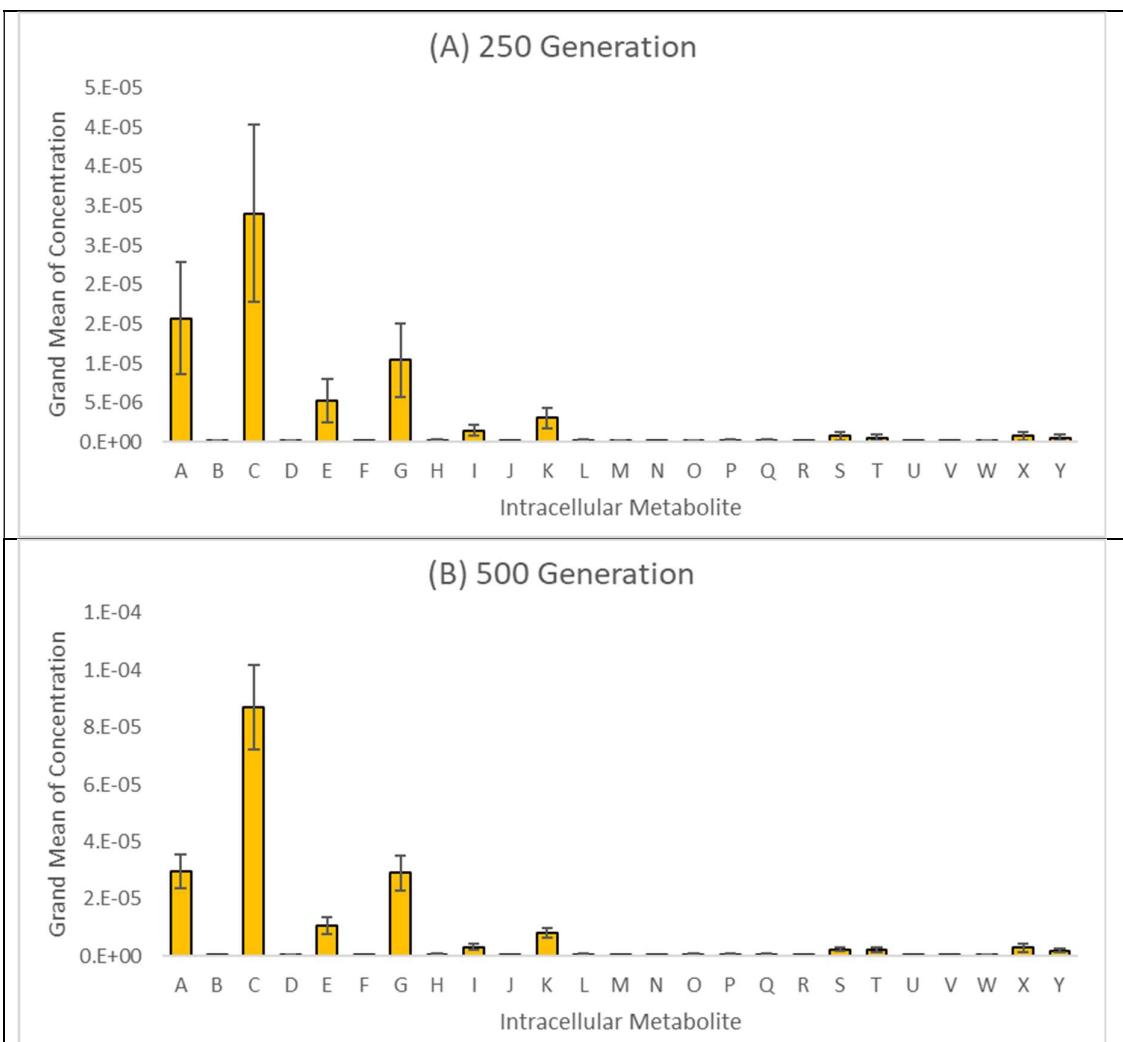
S11. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_9



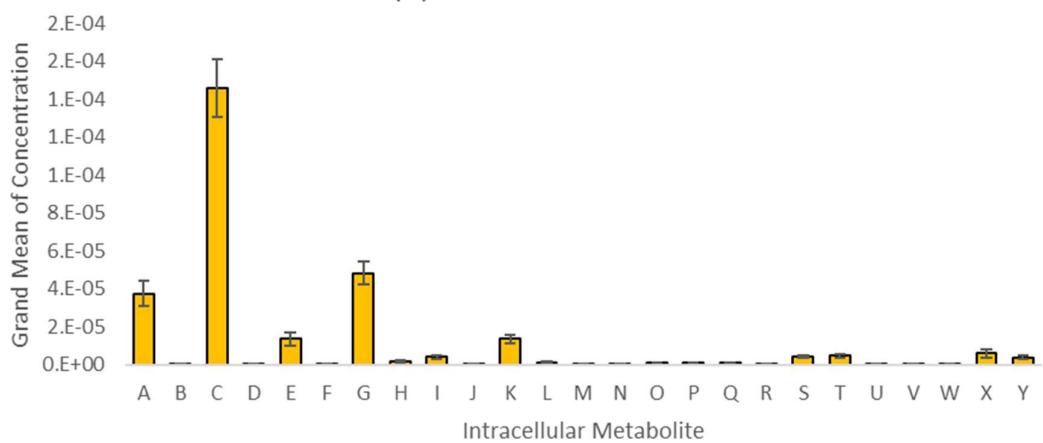




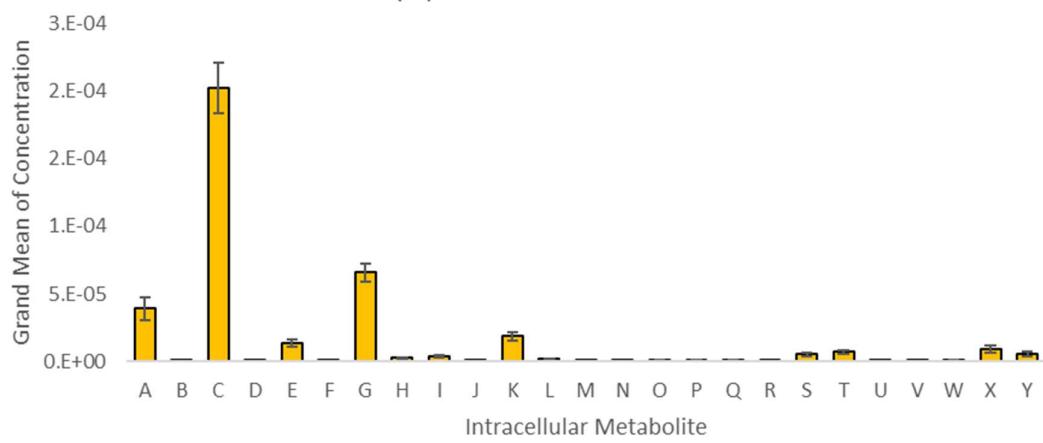
S12. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_10



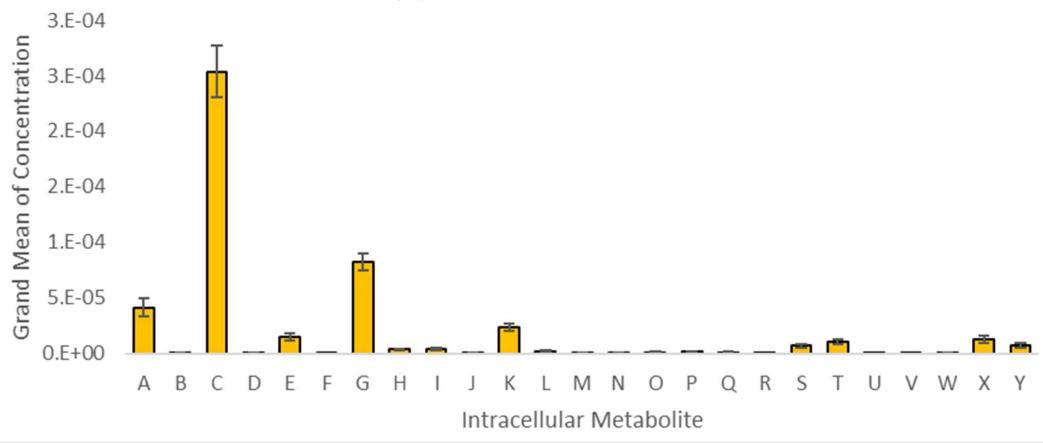
(C) 750 Generation

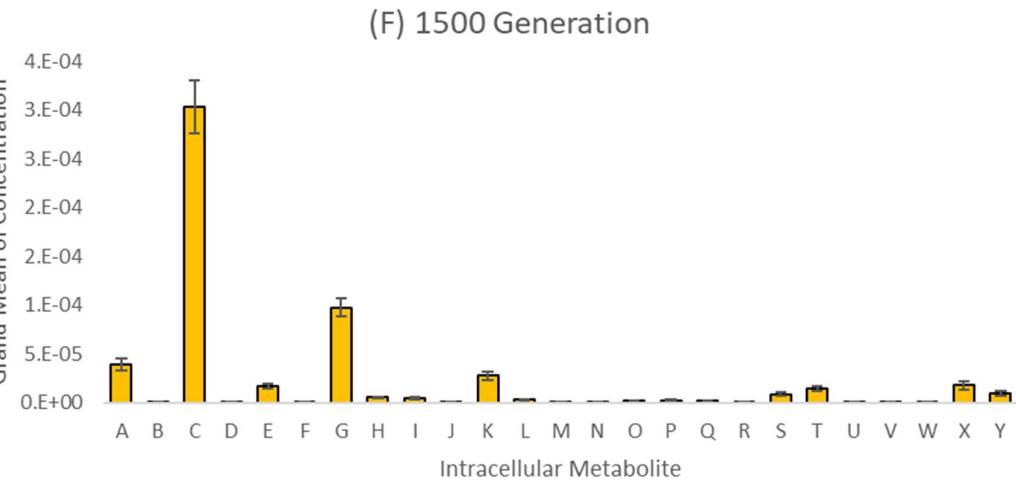


(D) 1000 Generation

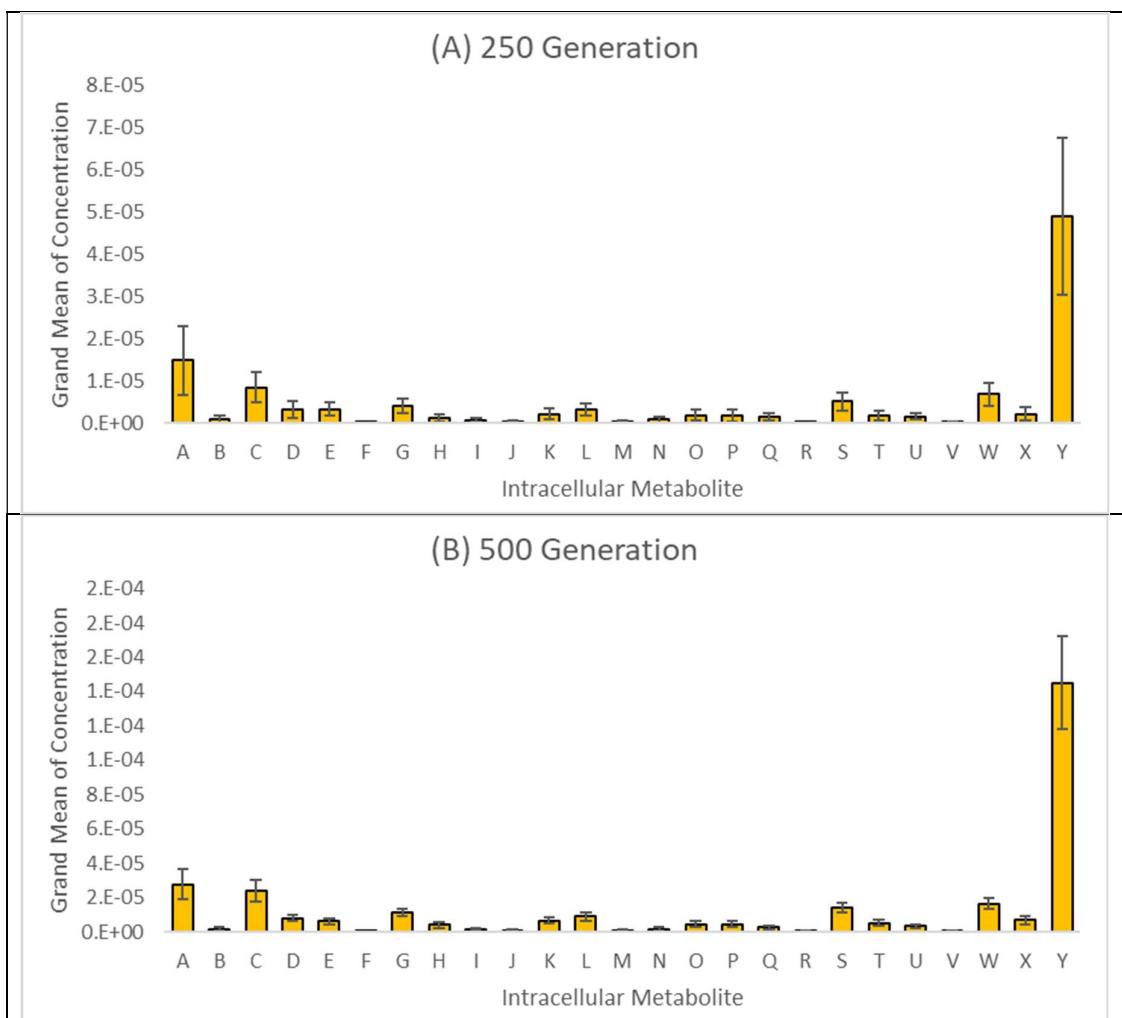


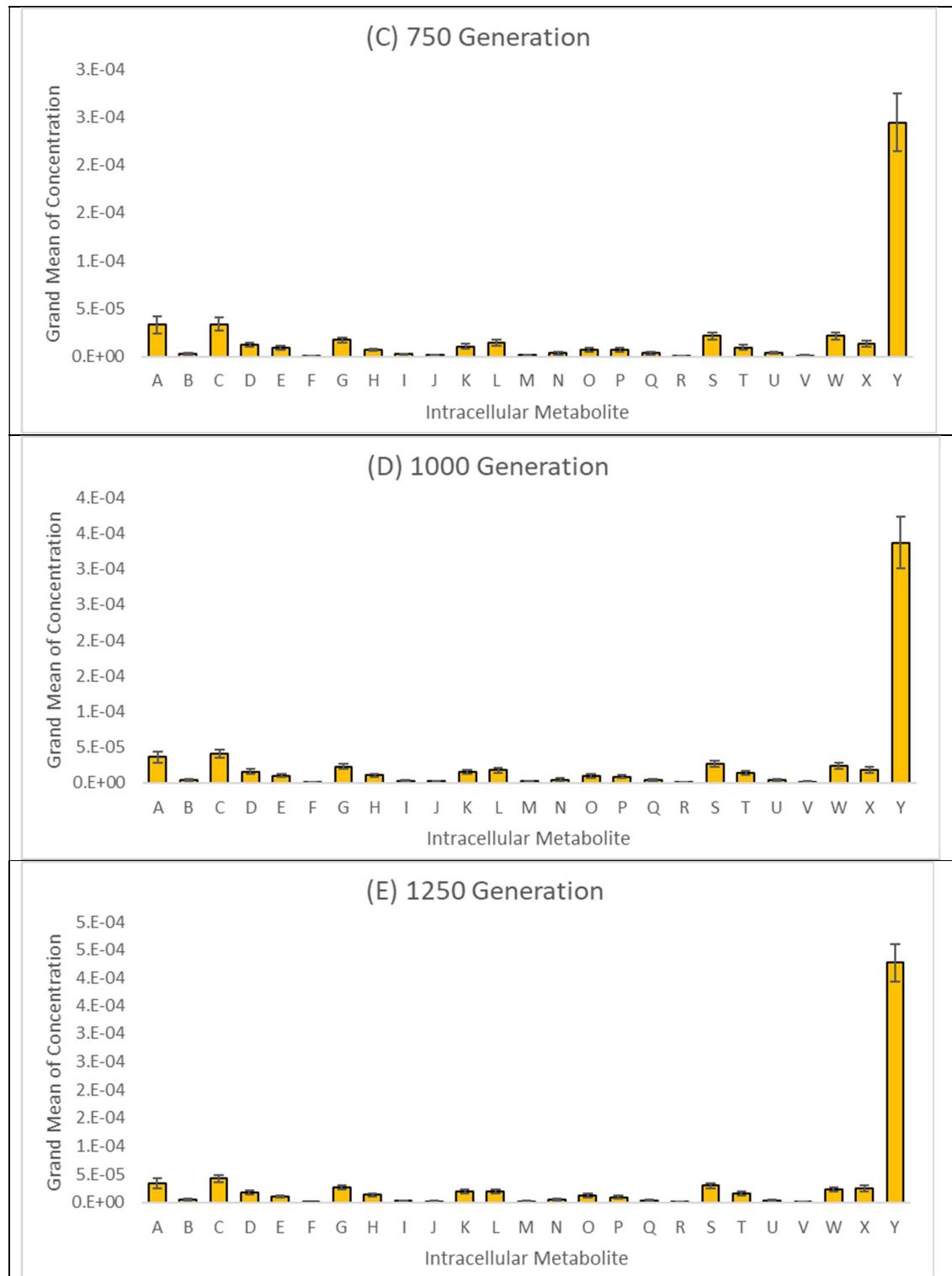
(E) 1250 Generation

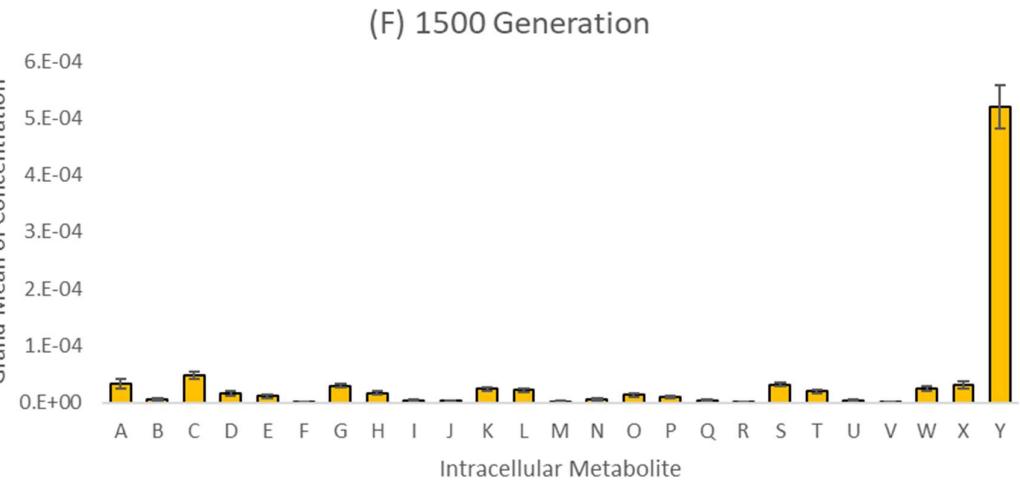




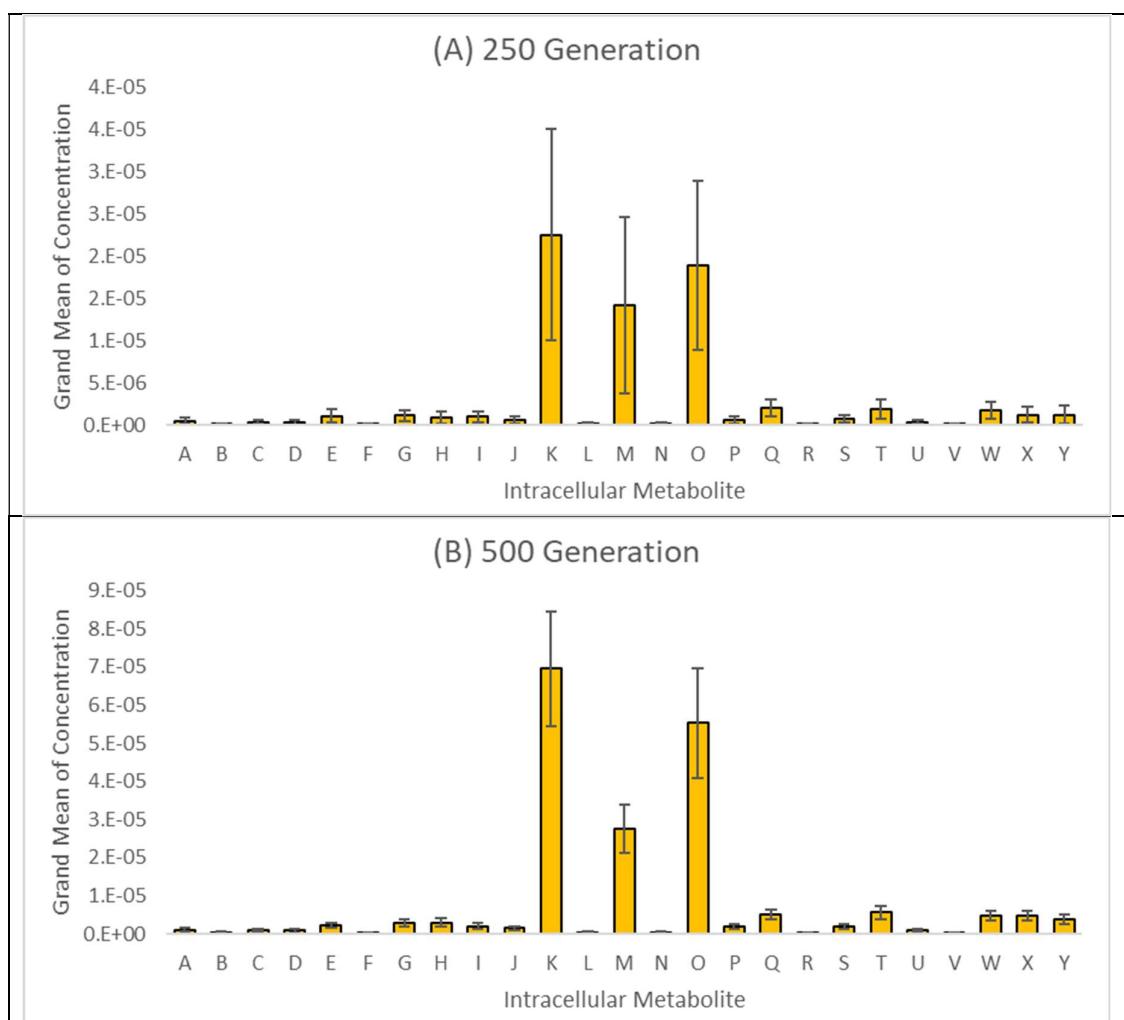
S13. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_11



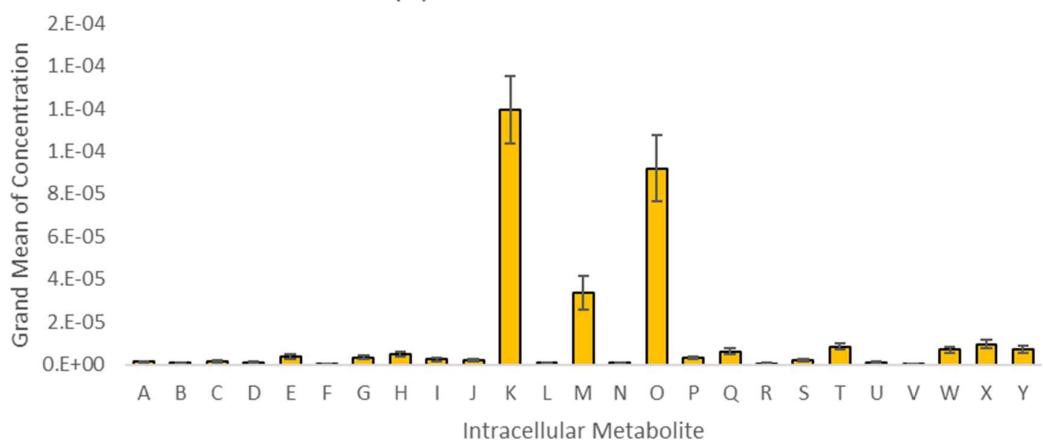




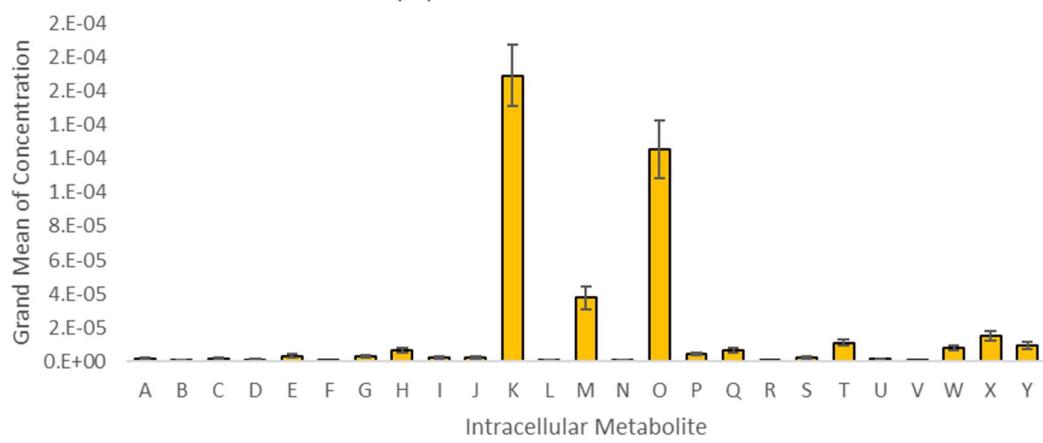
S14. Grand Mean of Intracellular Metabolite Concentrations Across Generations (250, 500, 750, 1000, 1250, 1500 Generations) for Trial_12



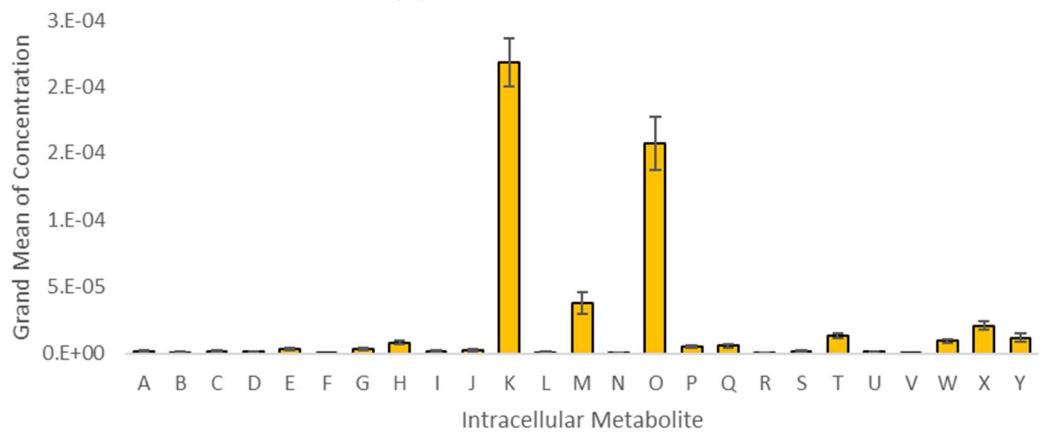
(C) 750 Generation

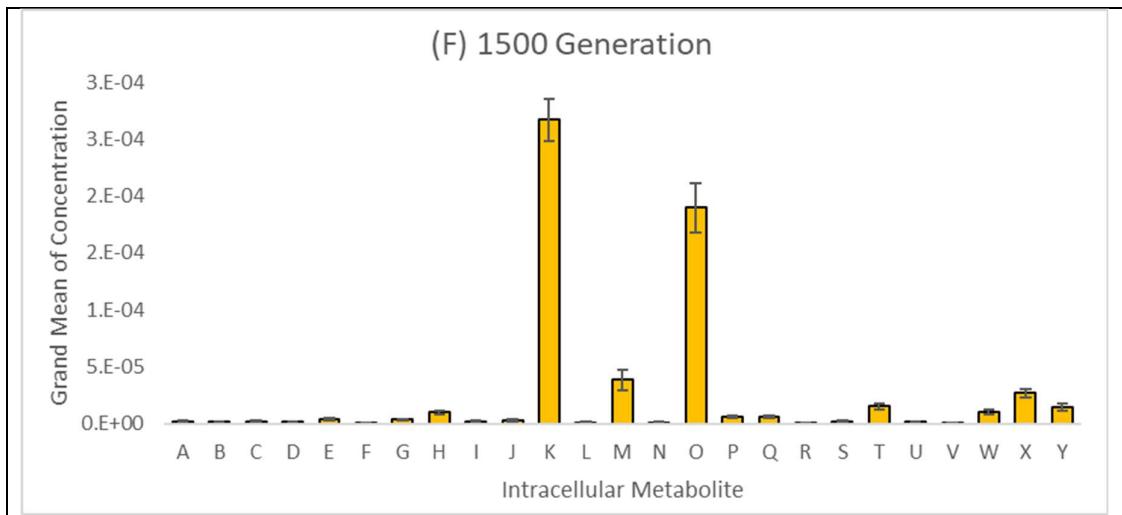


(D) 1000 Generation

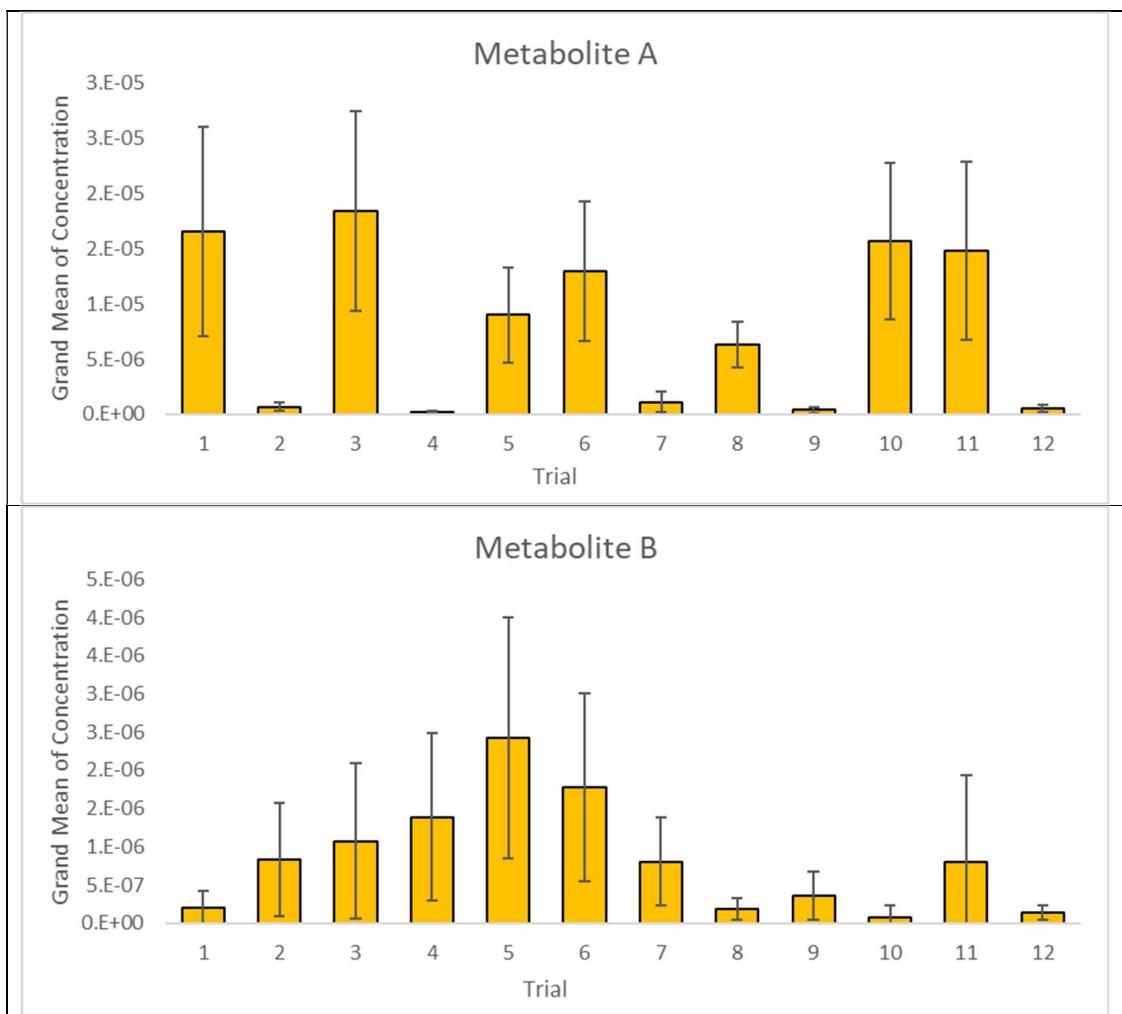


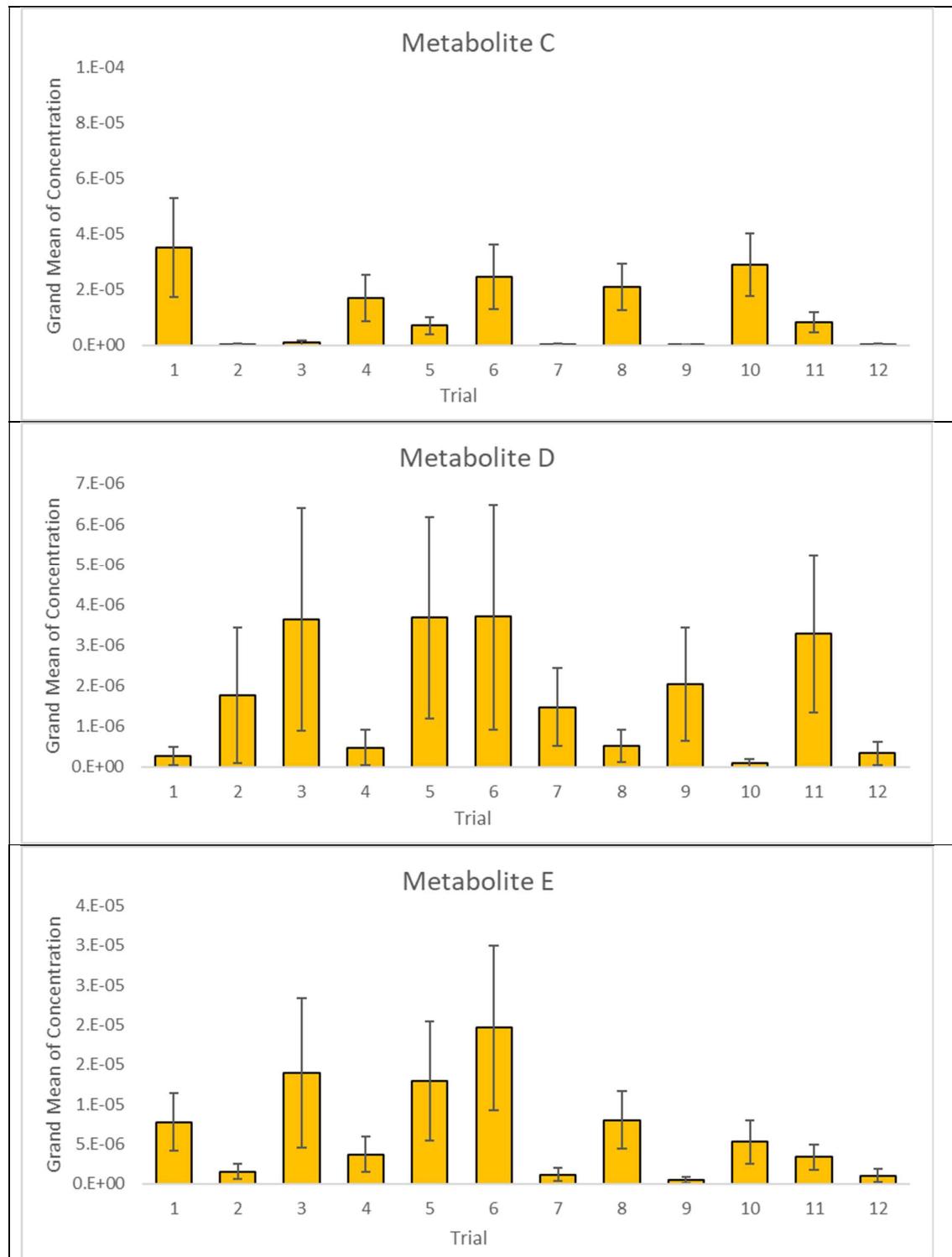
(E) 1250 Generation

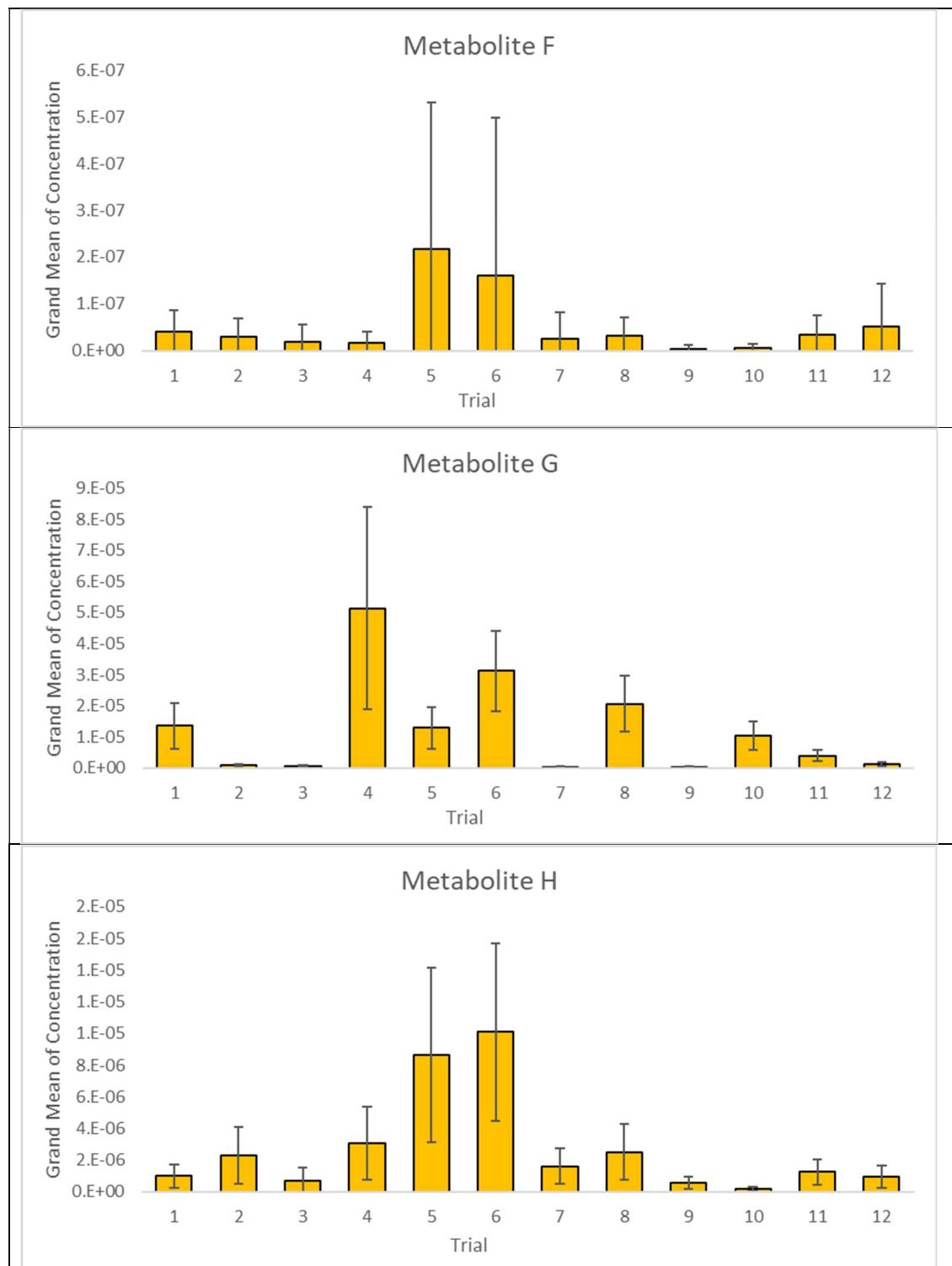


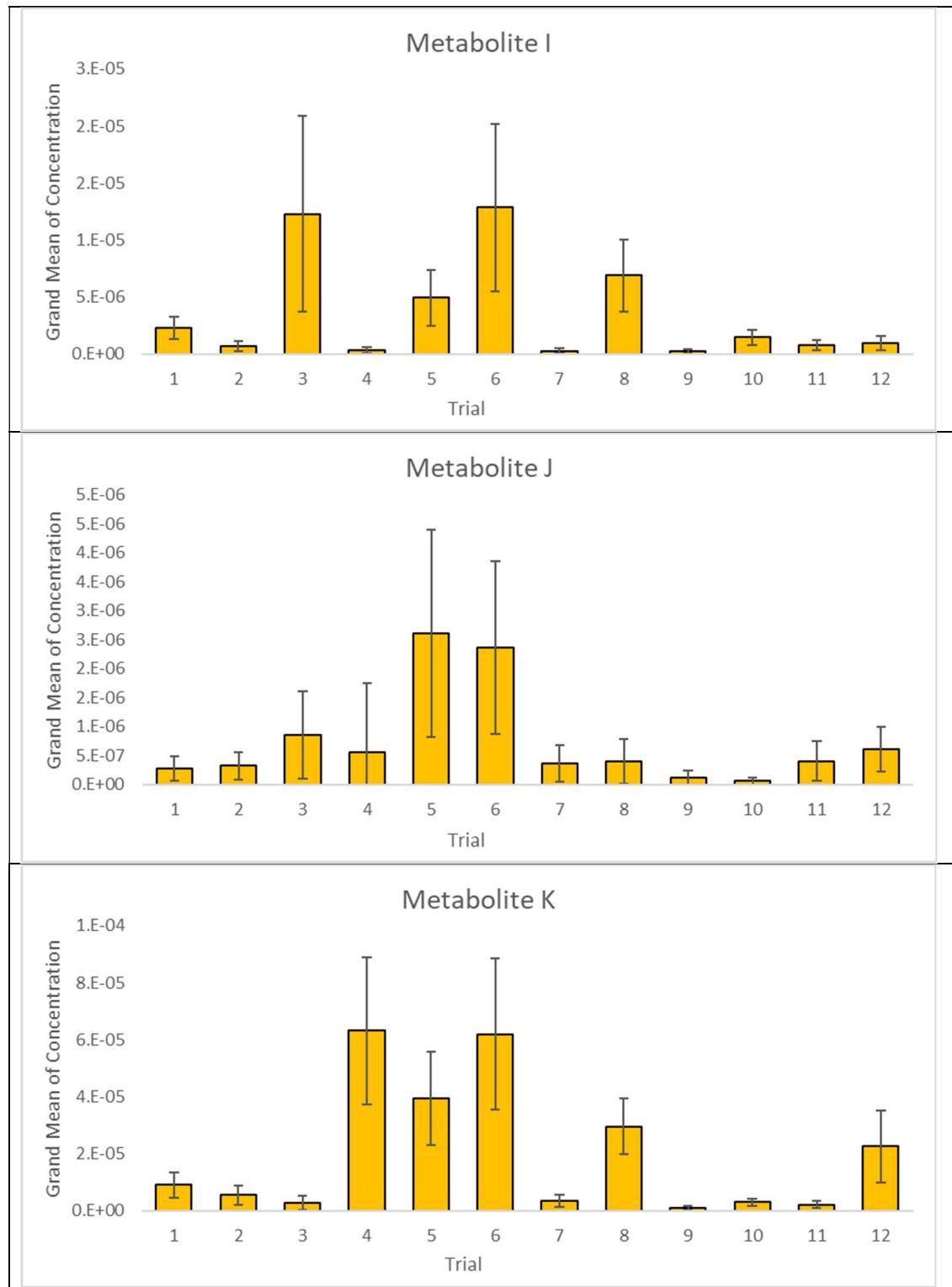


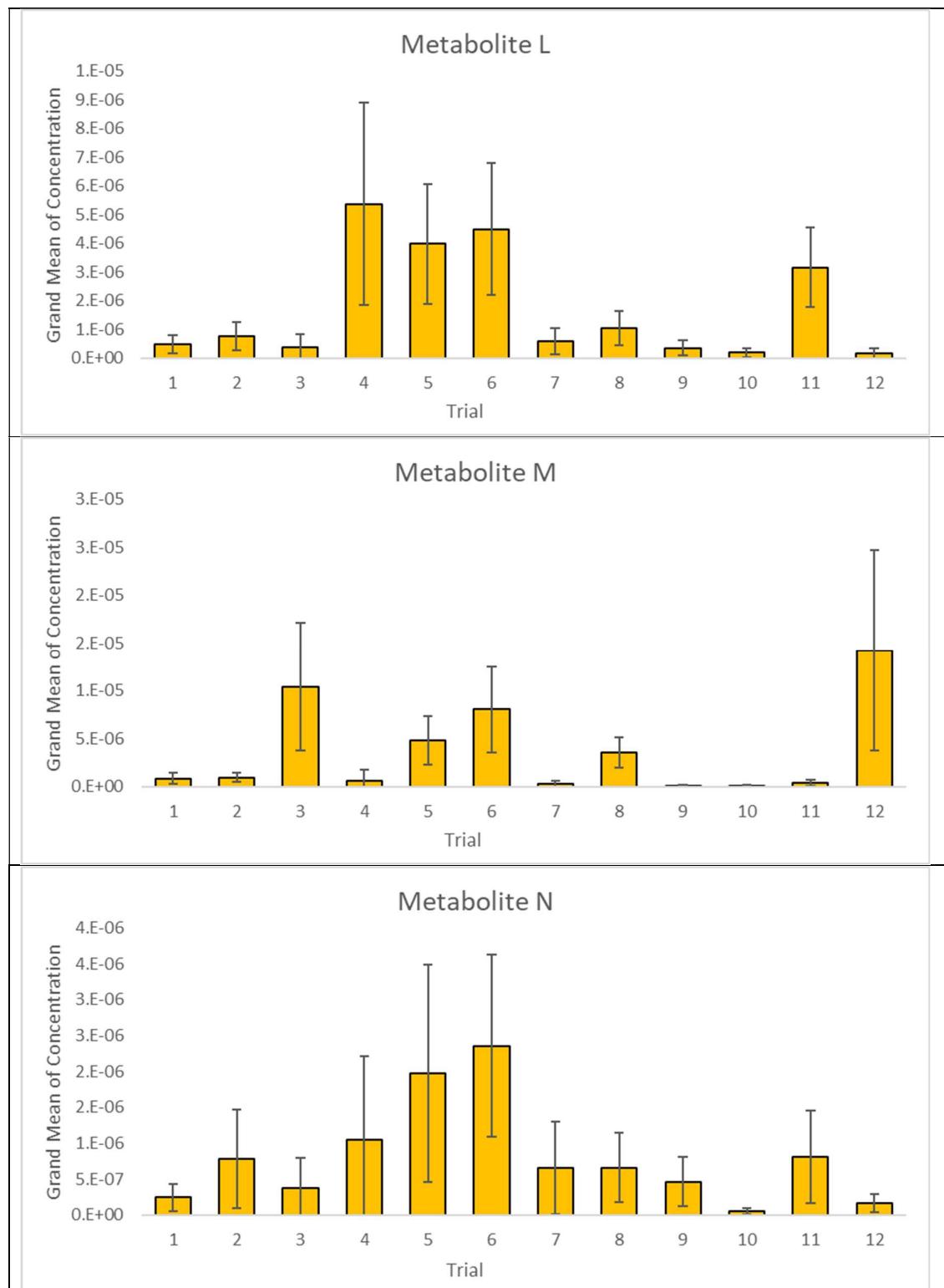
S15. Grand Mean of Concentrations of metabolites (A to Z) across trials 1 to 12 for generation 250.

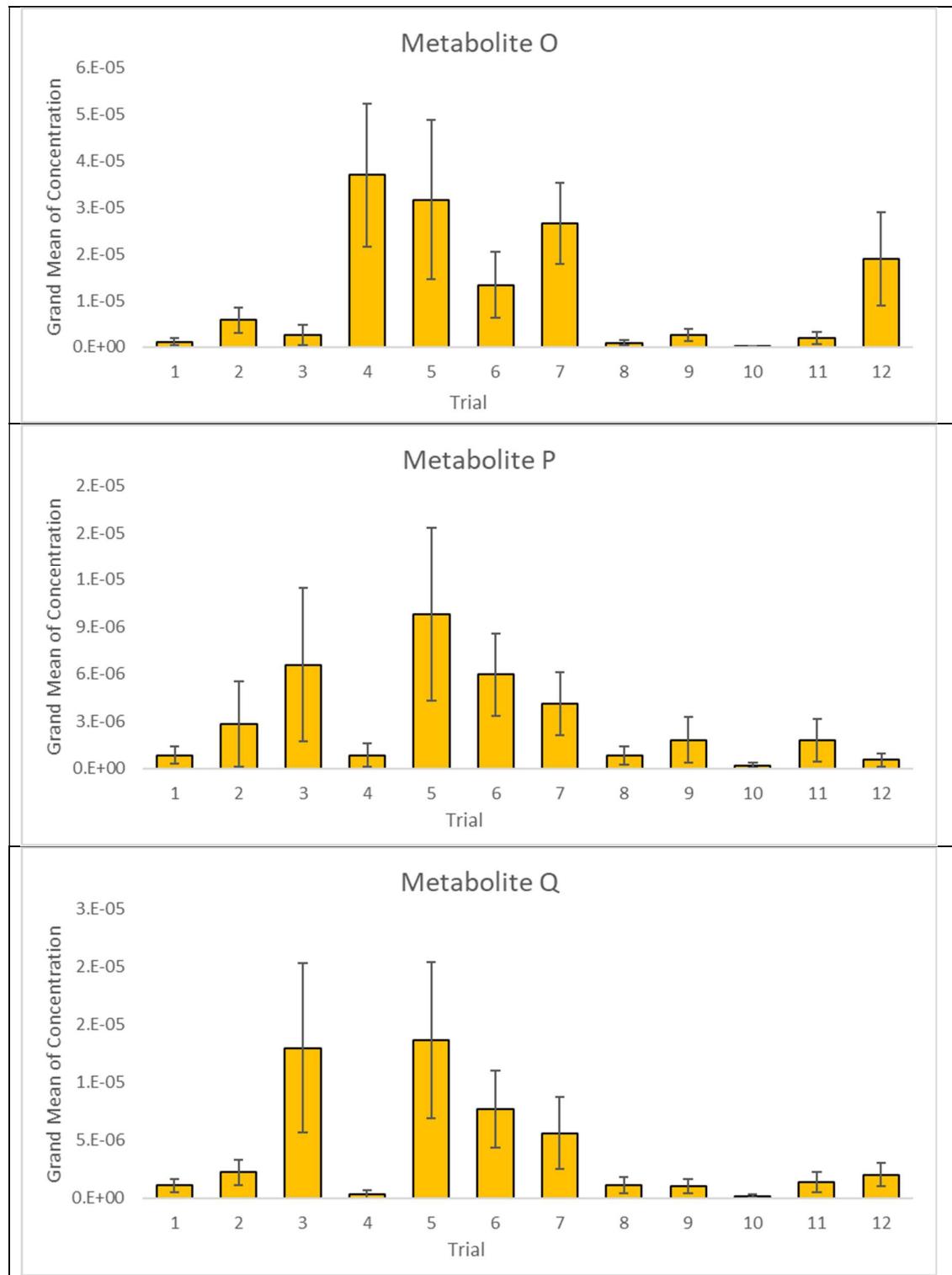


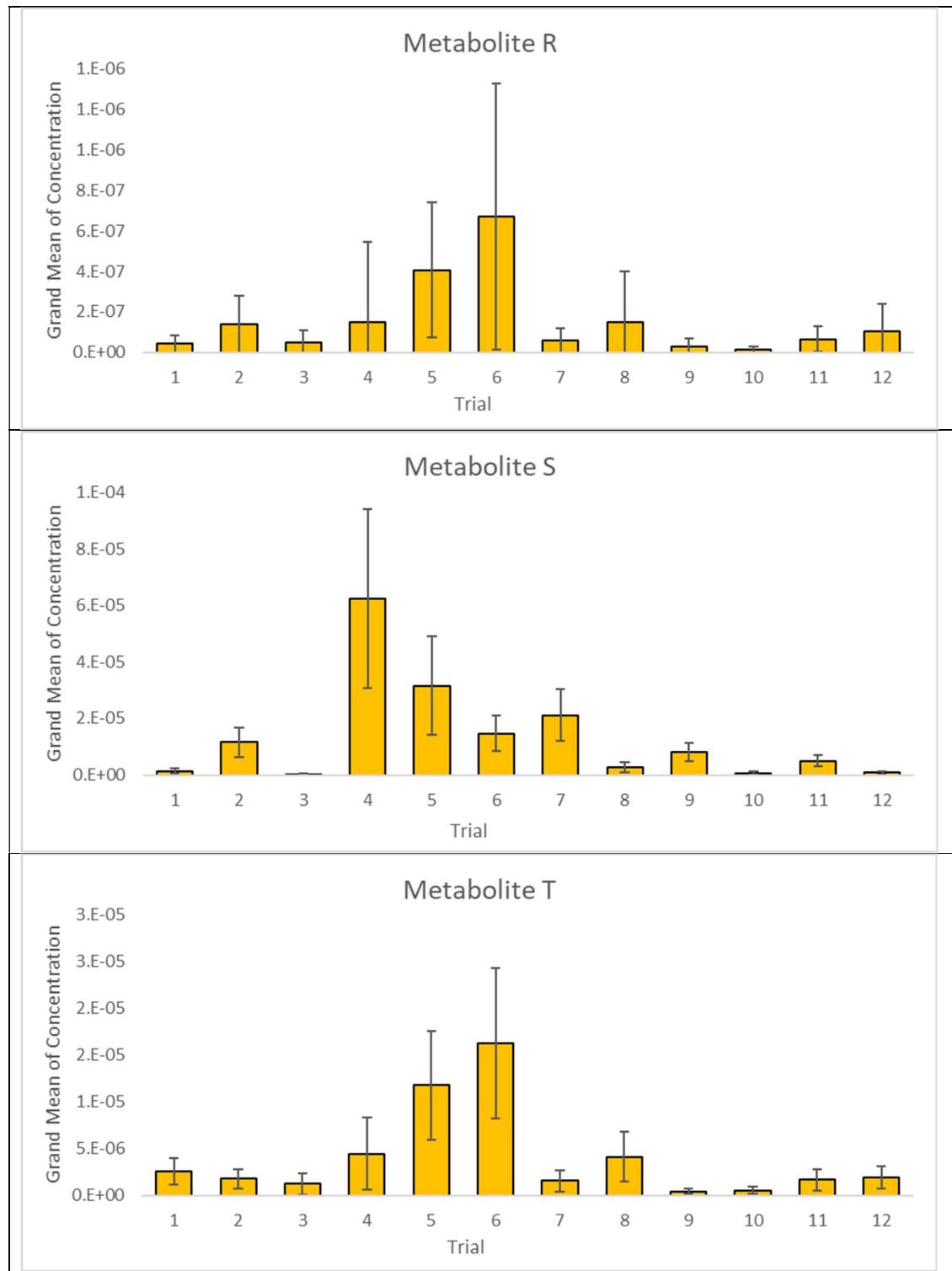


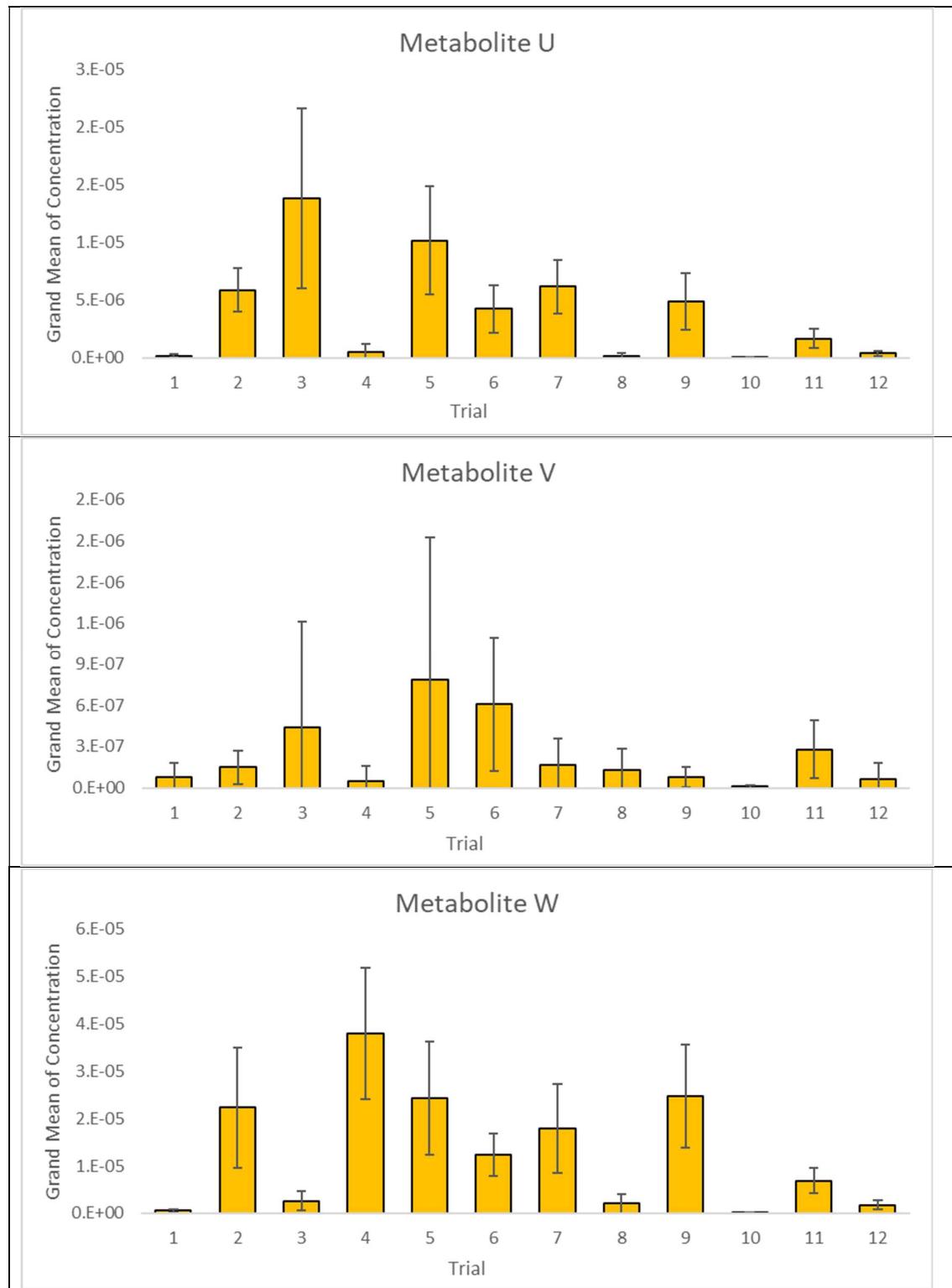


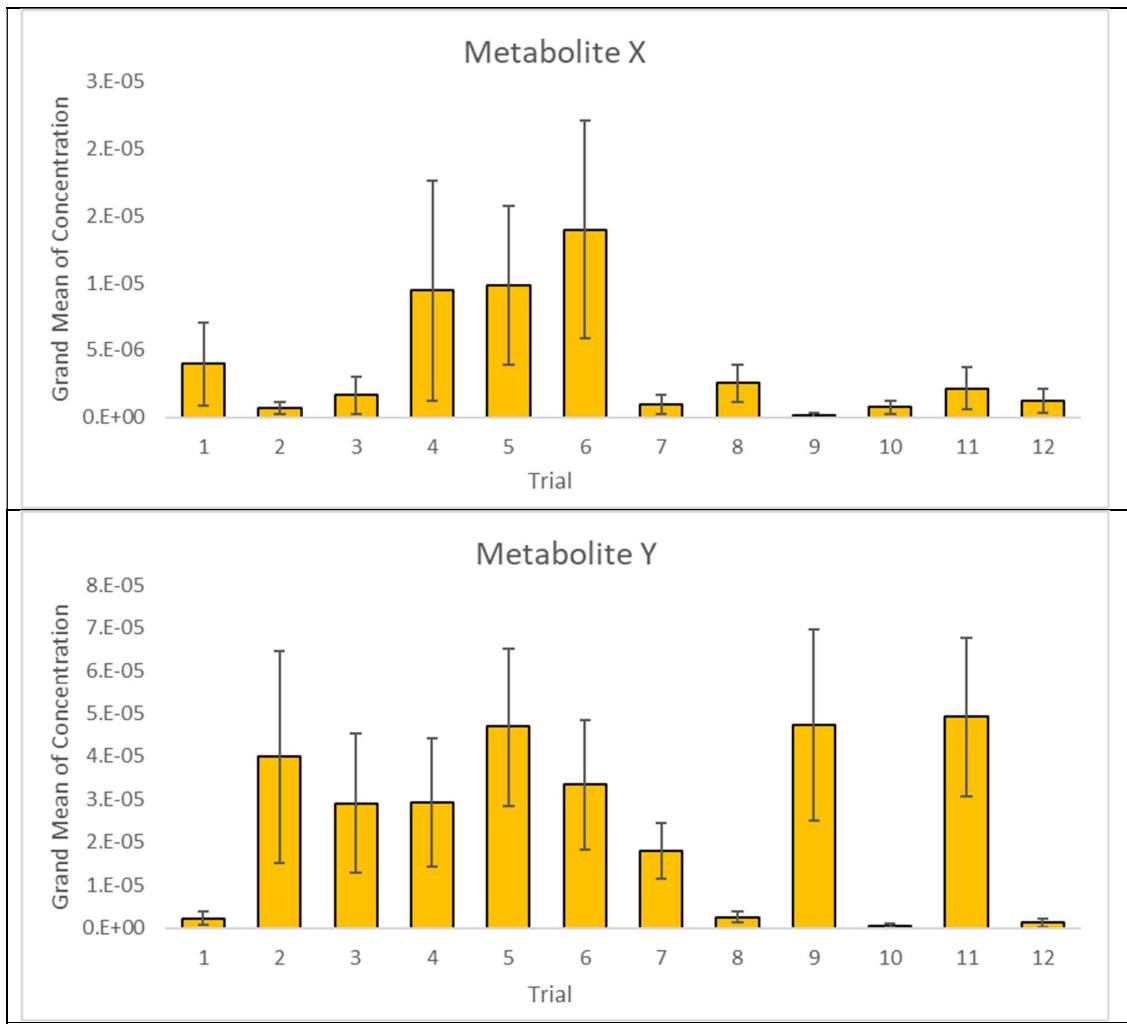




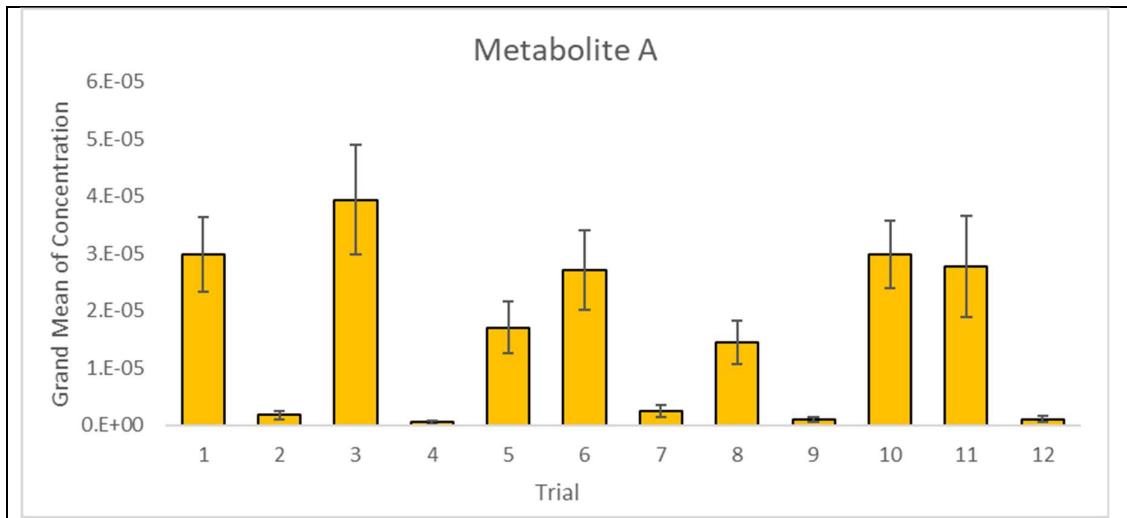


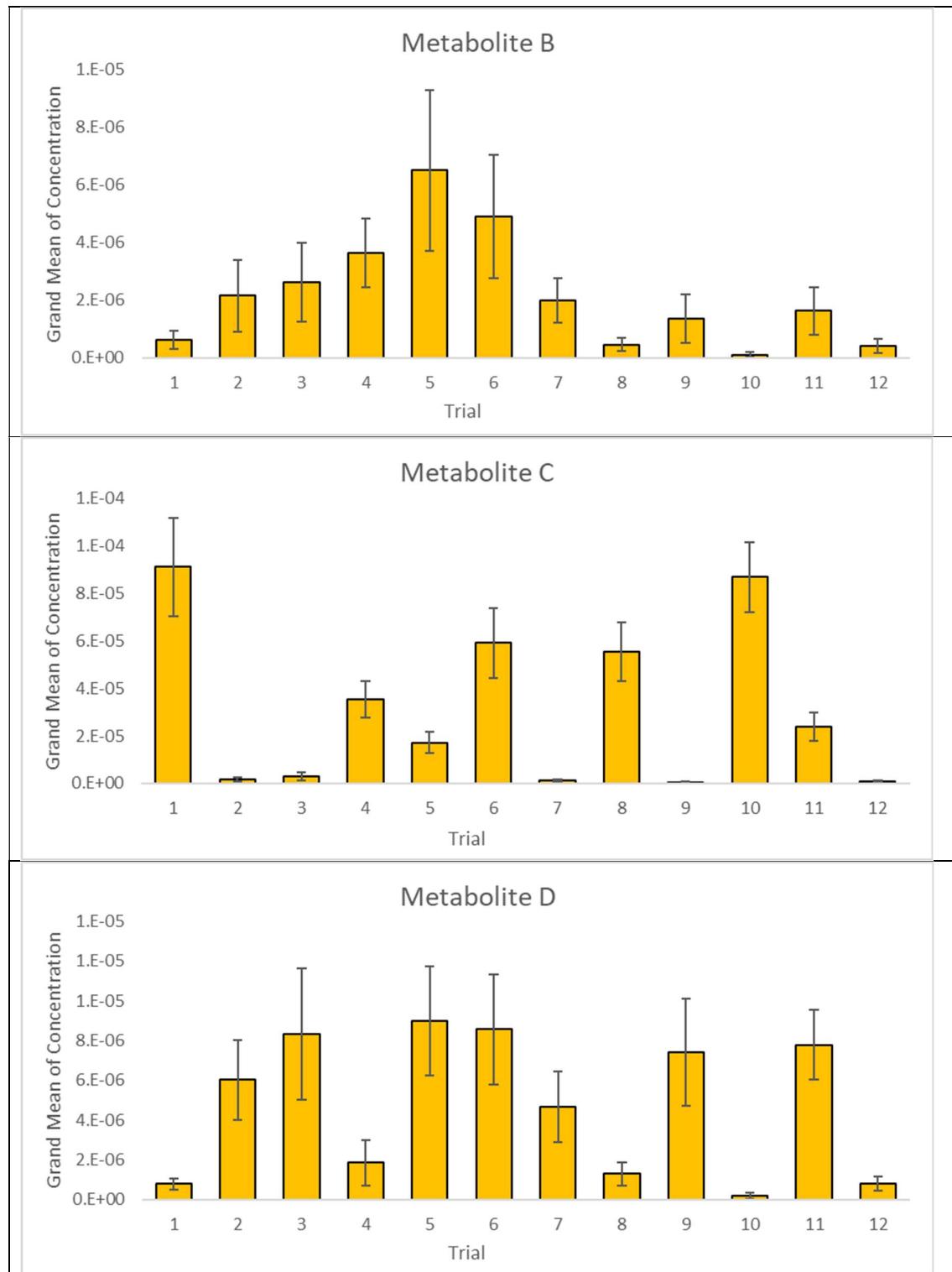


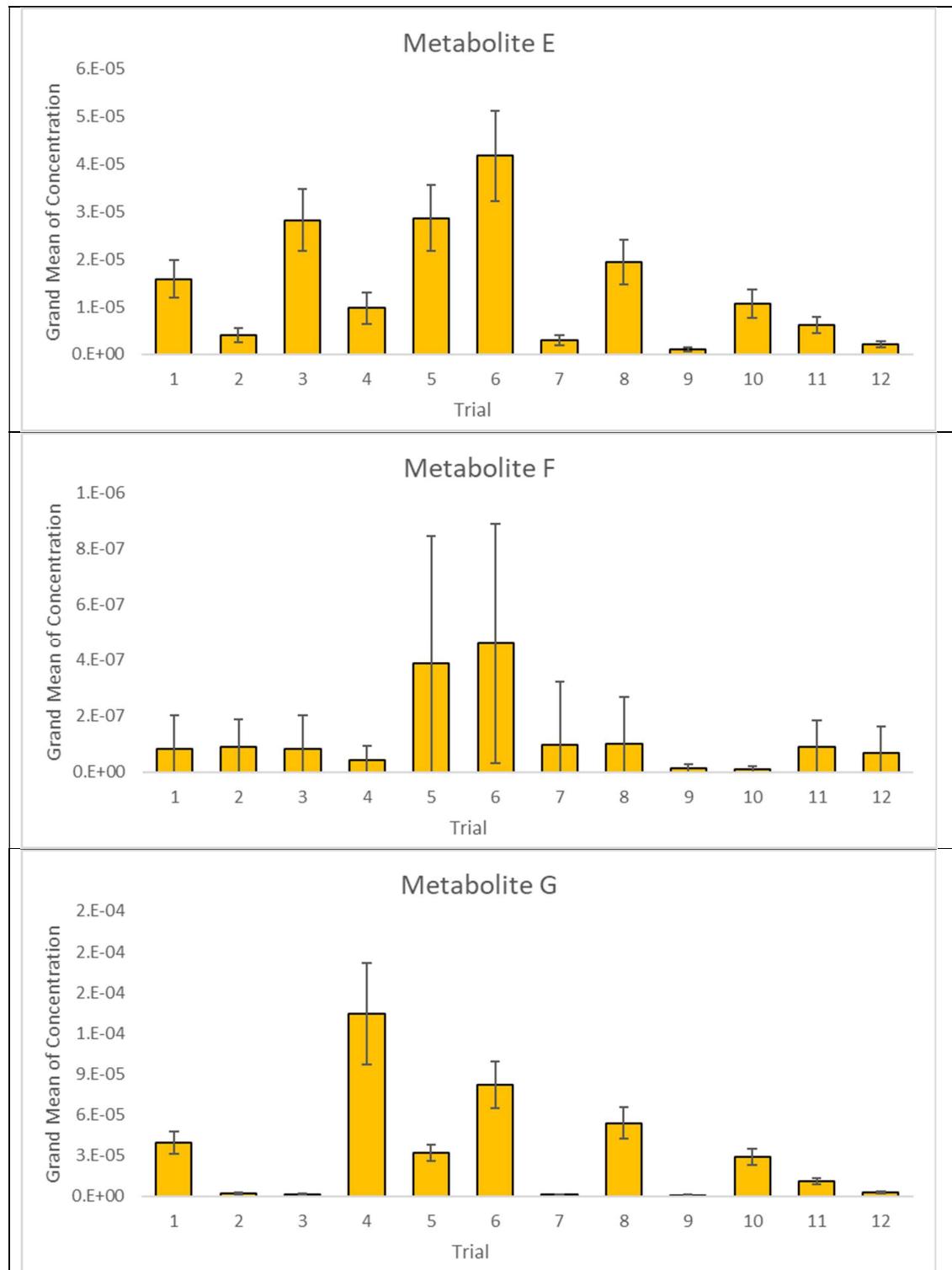


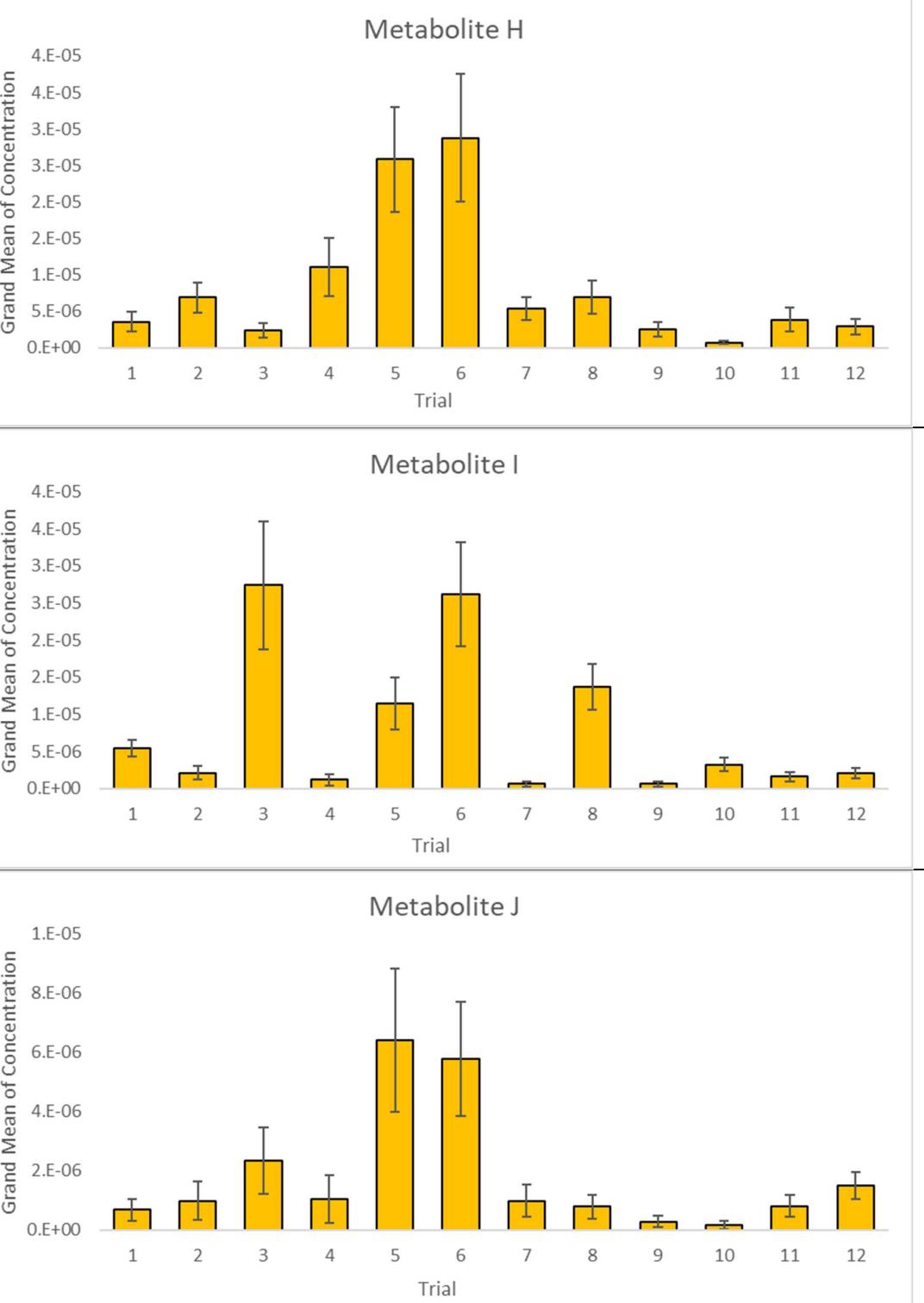


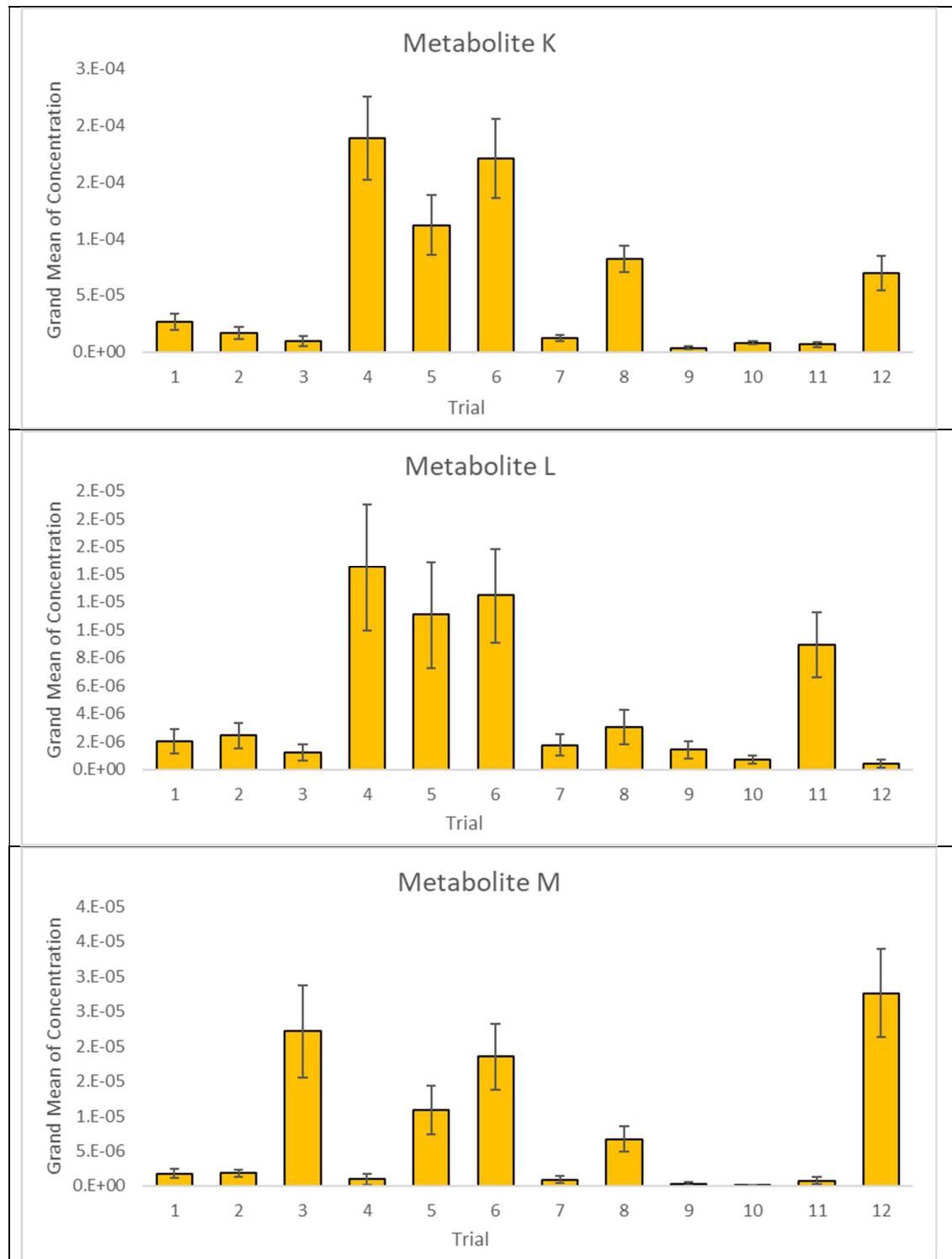
S16. Grand Mean of Concentrations of metabolites (A to Z) across trials 1 to 12 for generation 500.

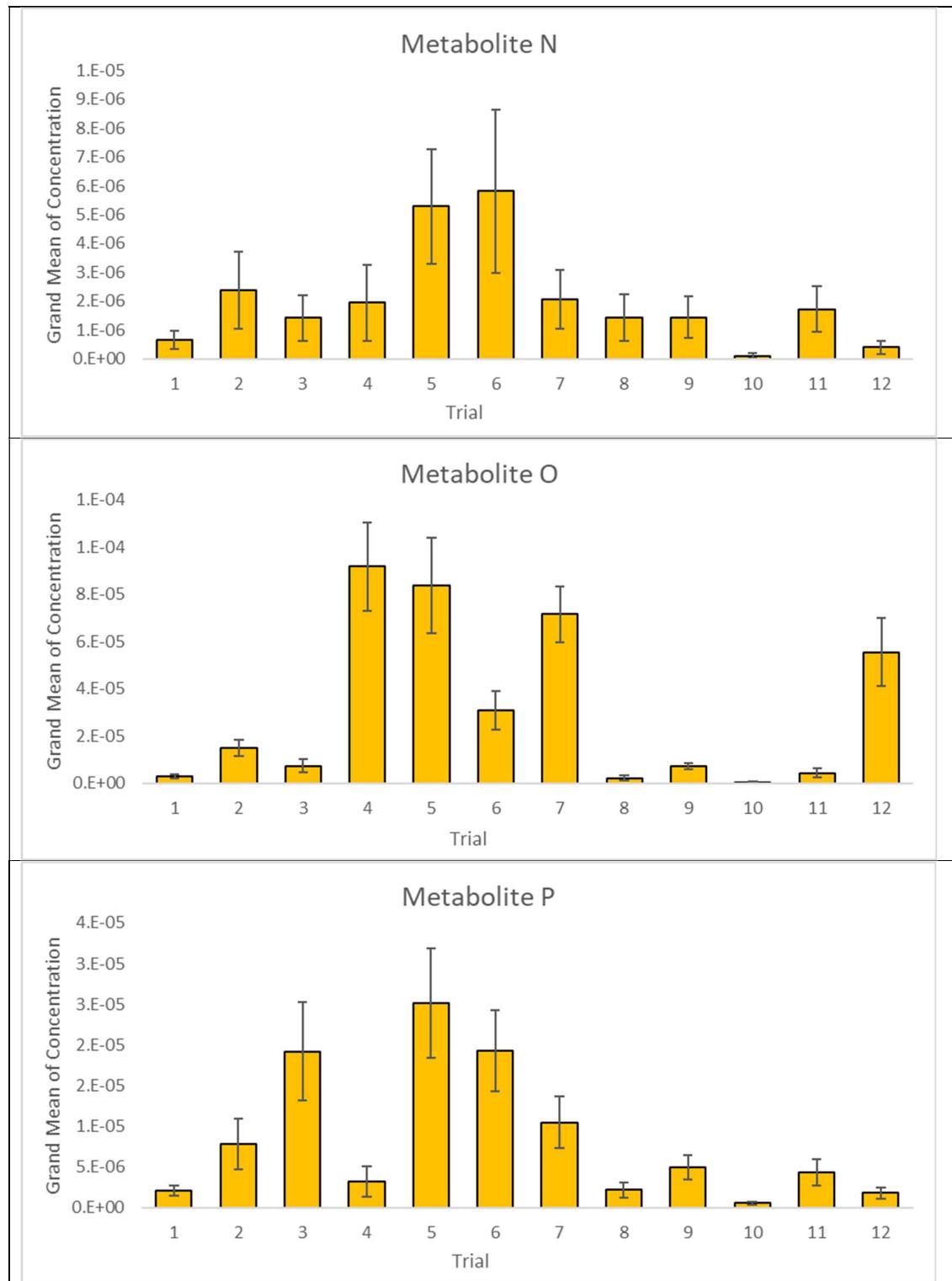


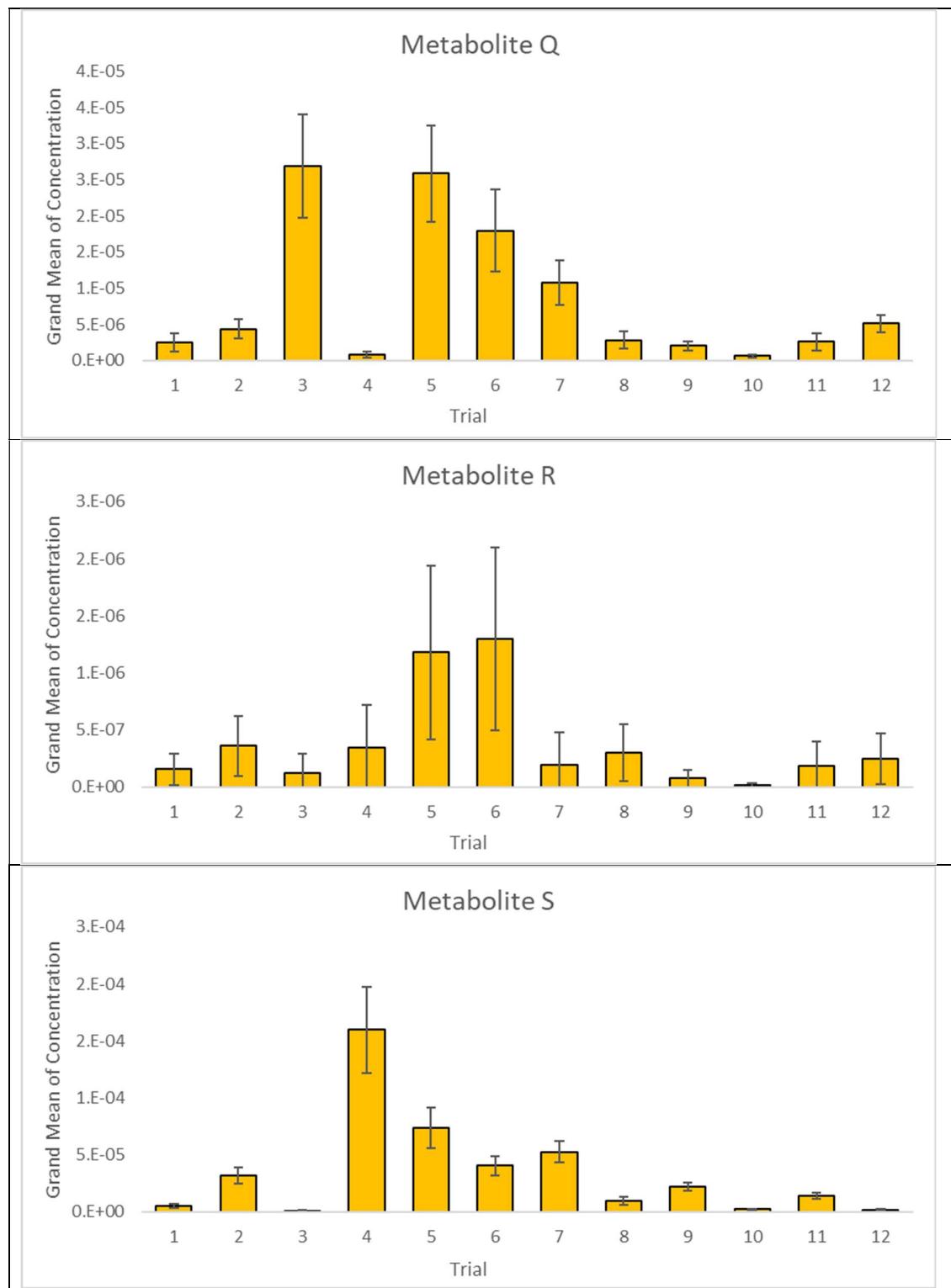


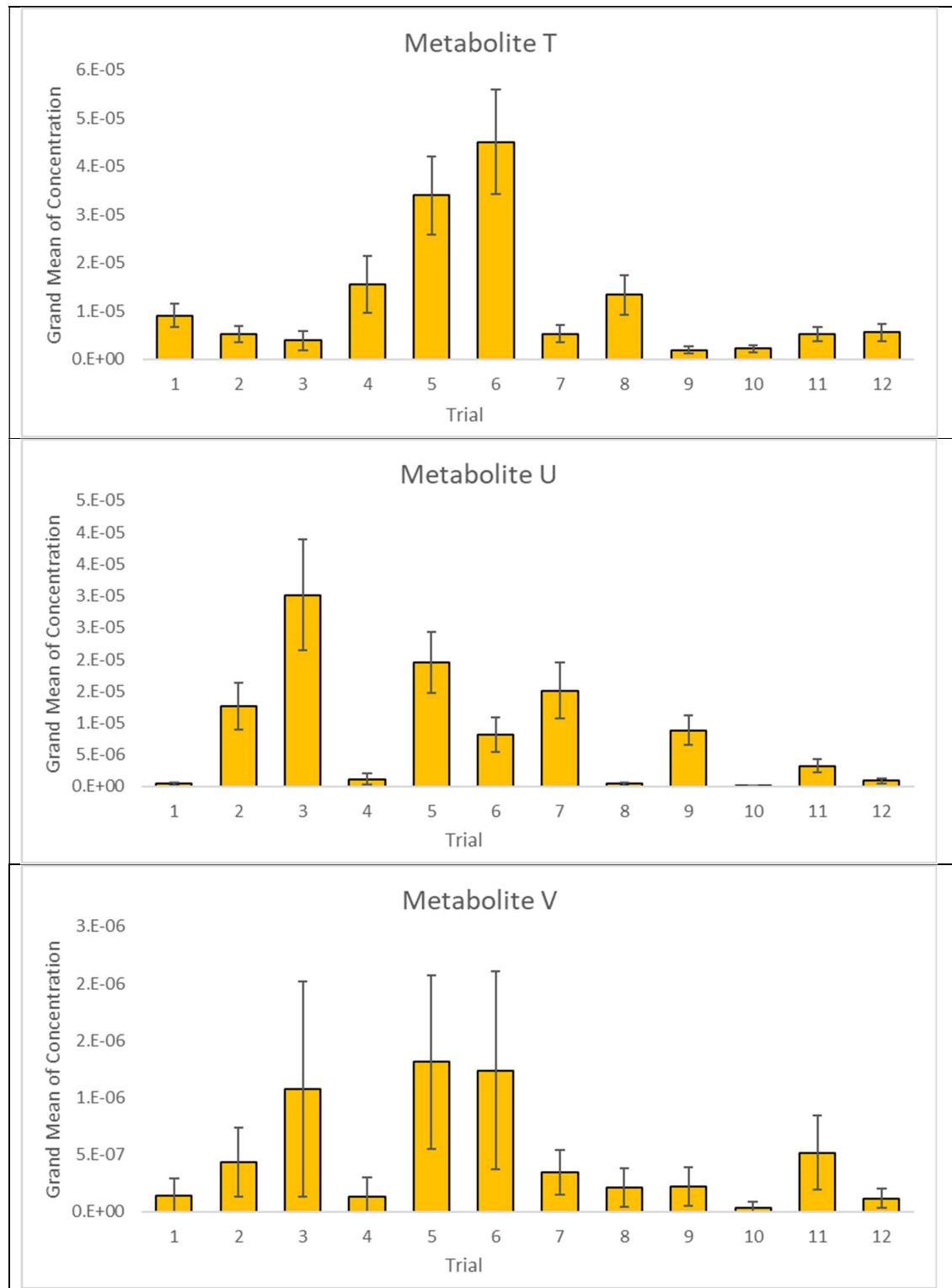


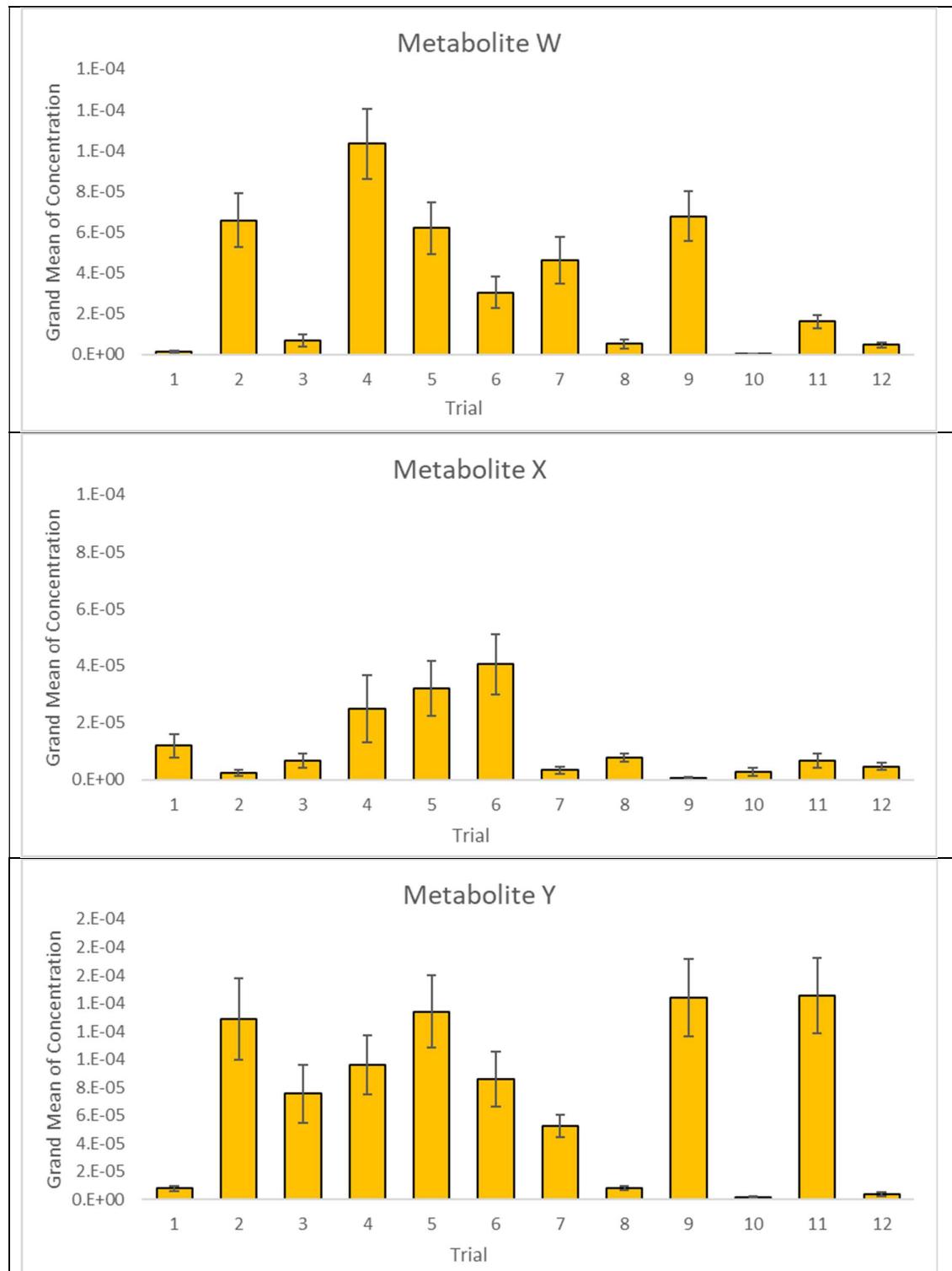




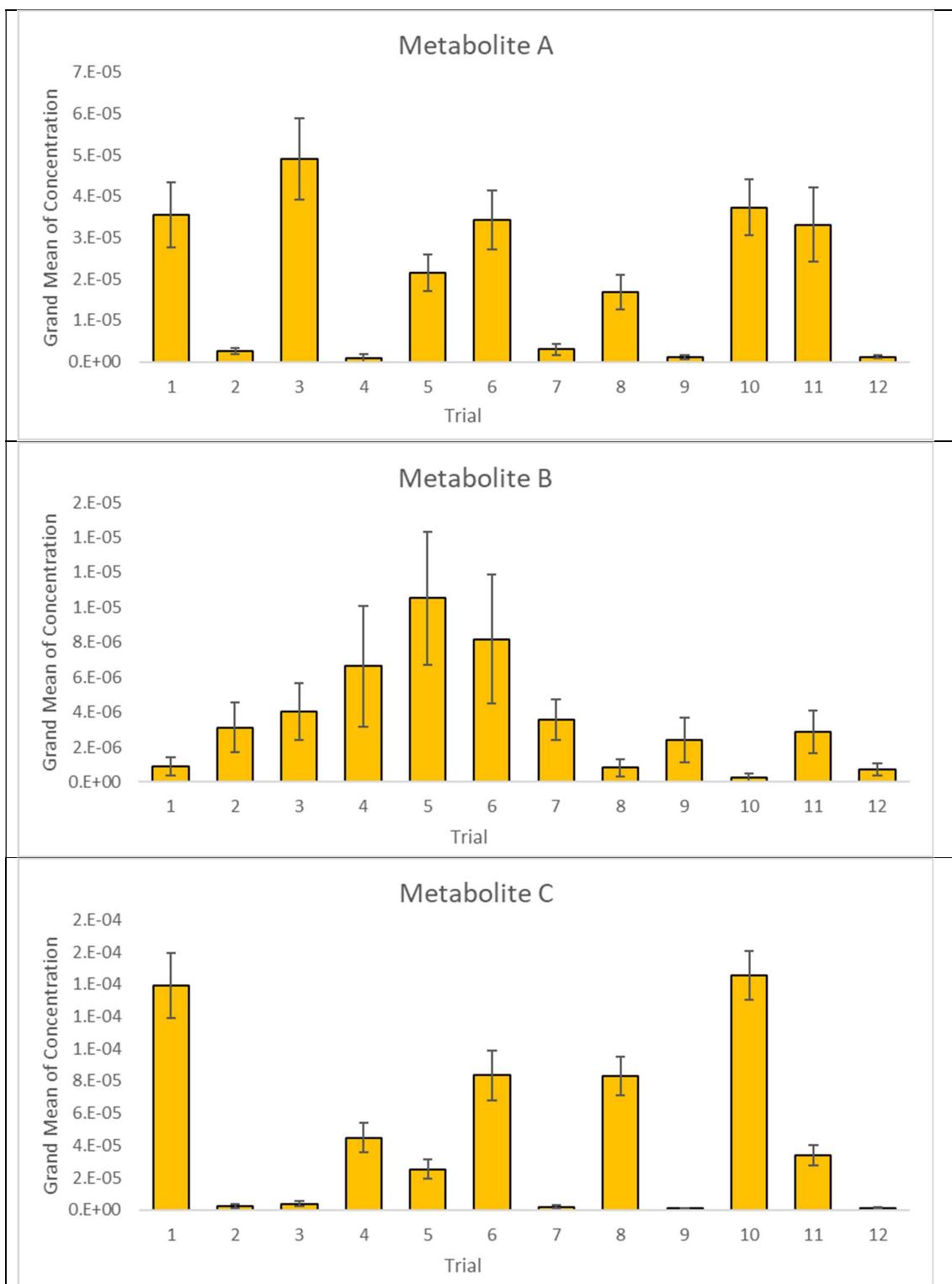


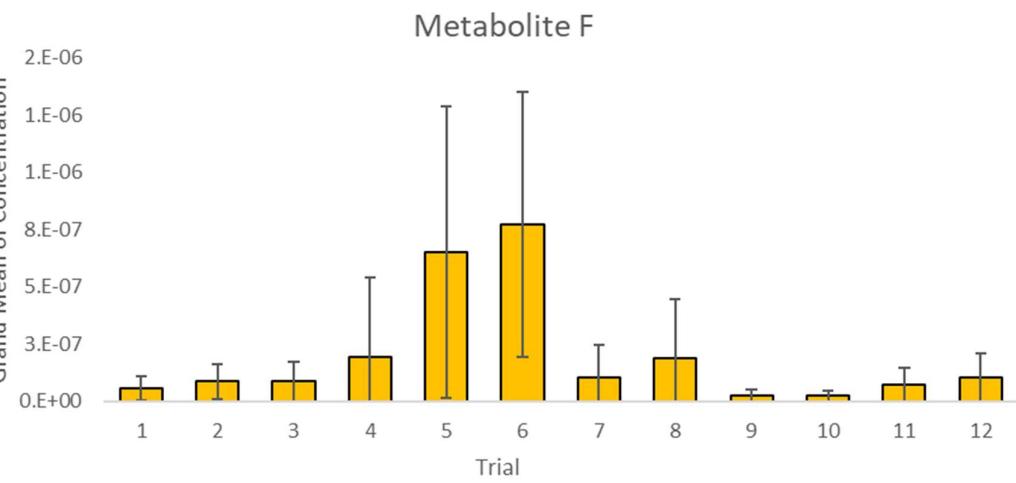
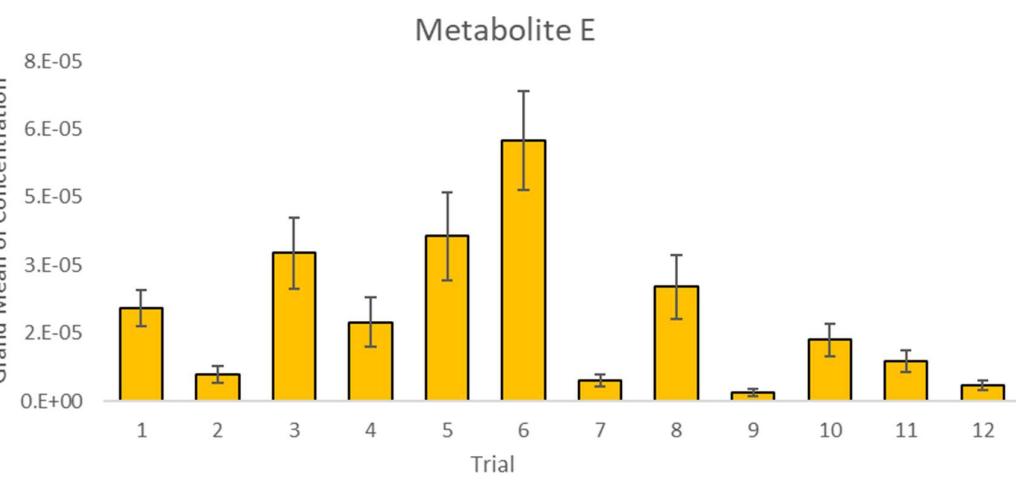
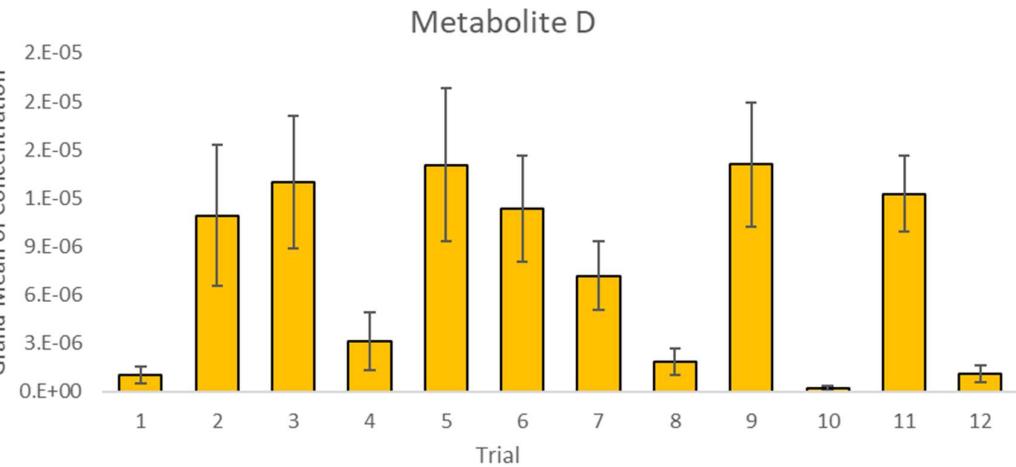


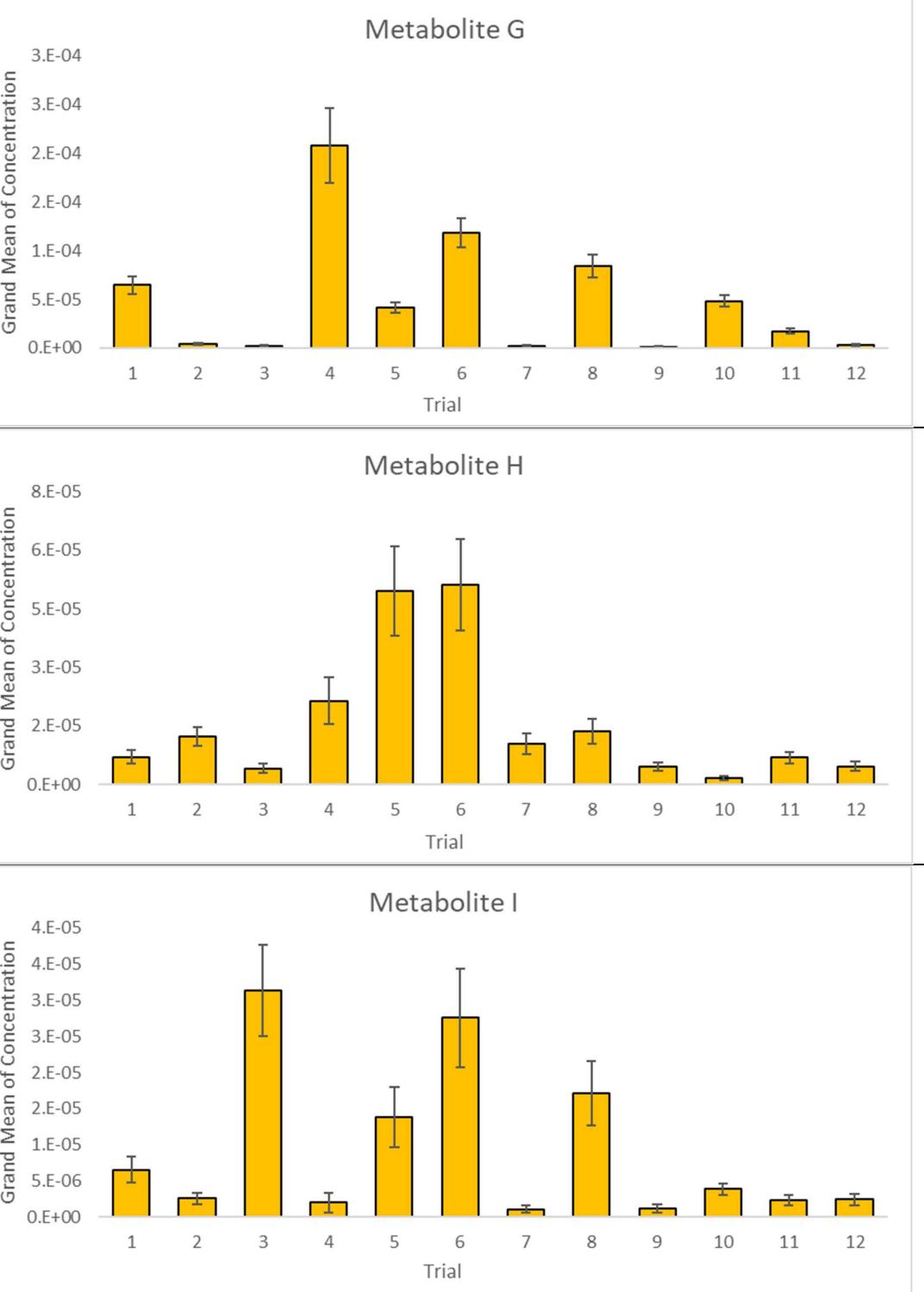


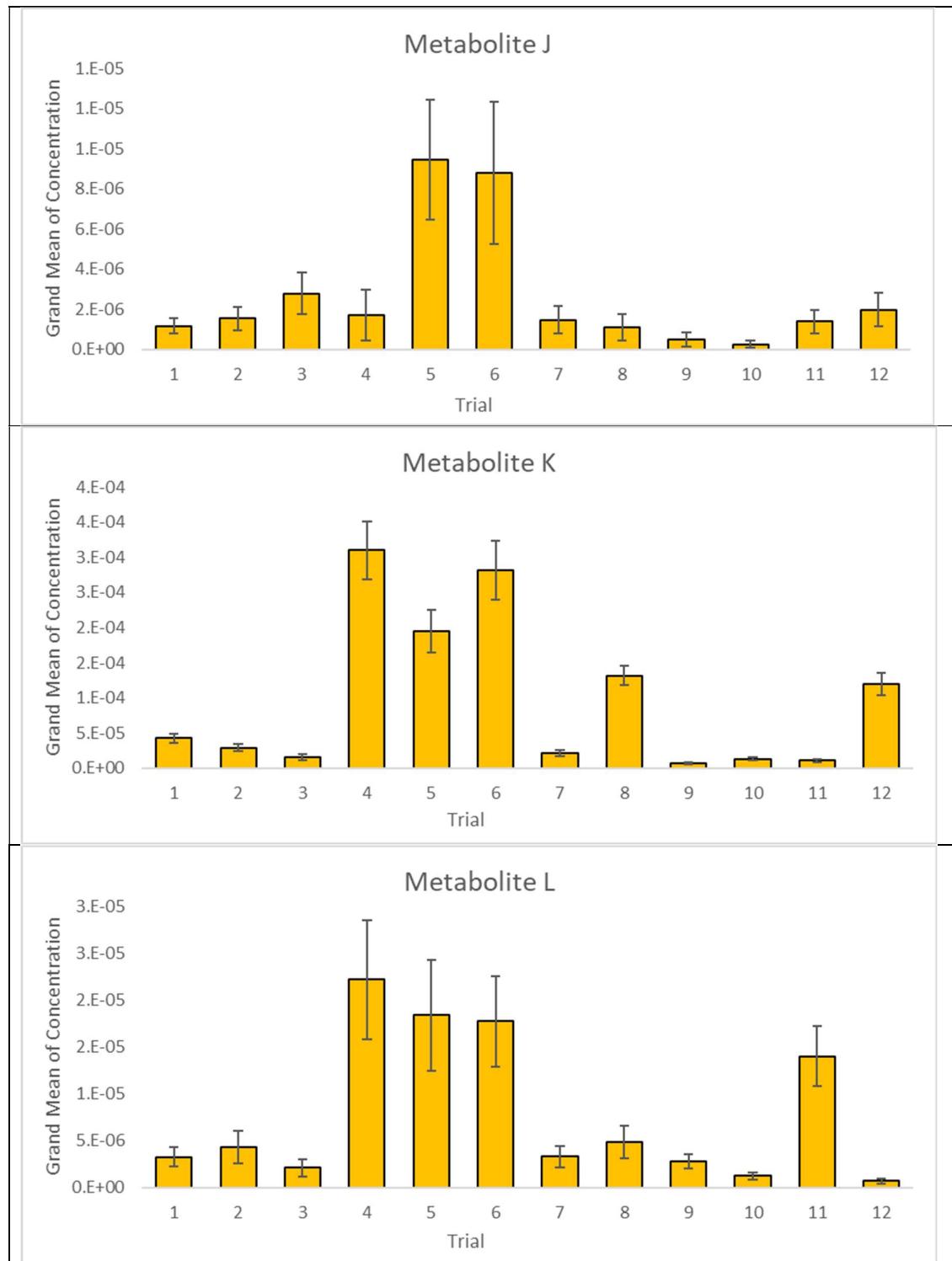


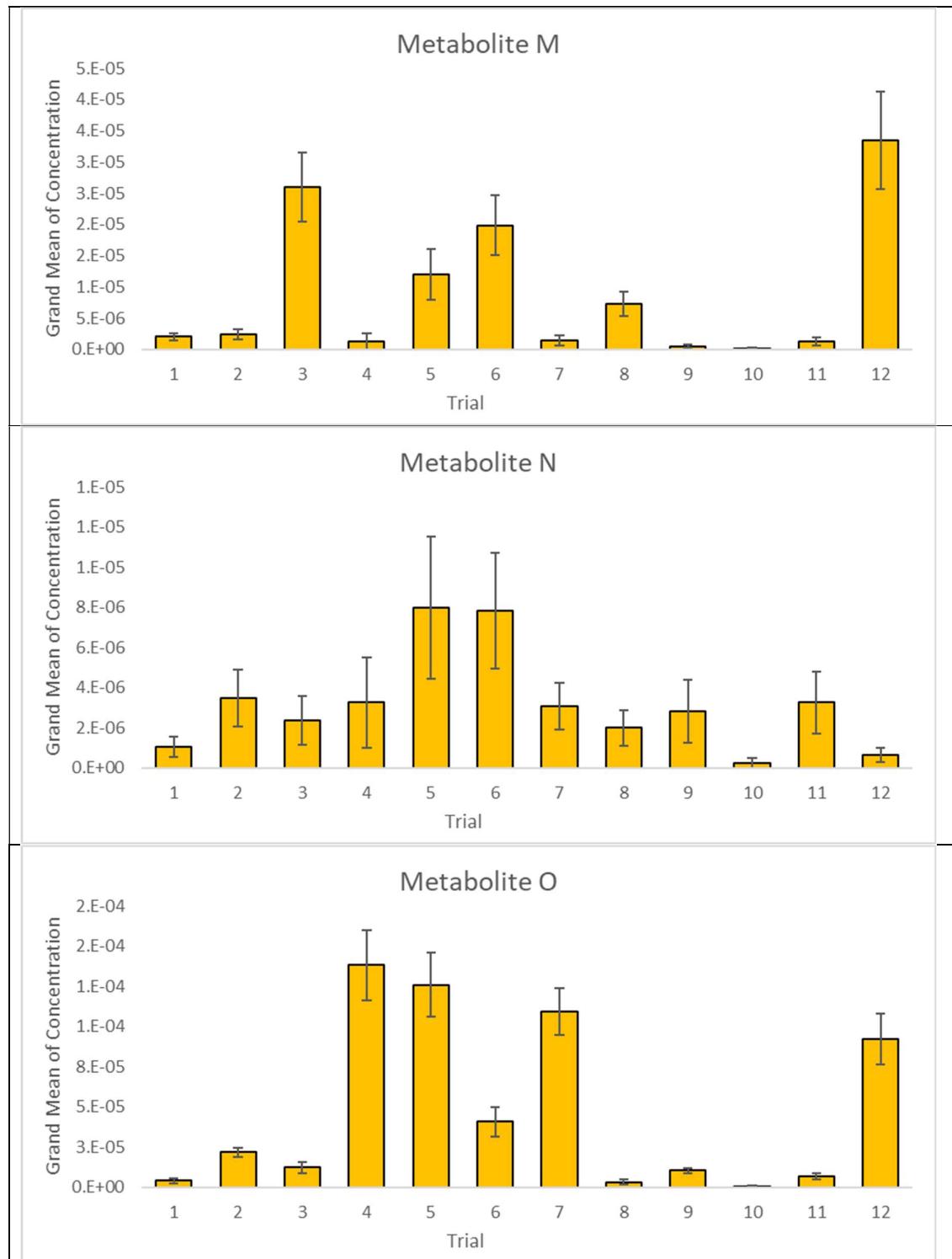
S17. Grand Mean of Concentrations of metabolites (A to Z) across trials 1 to 12 for generation 750.

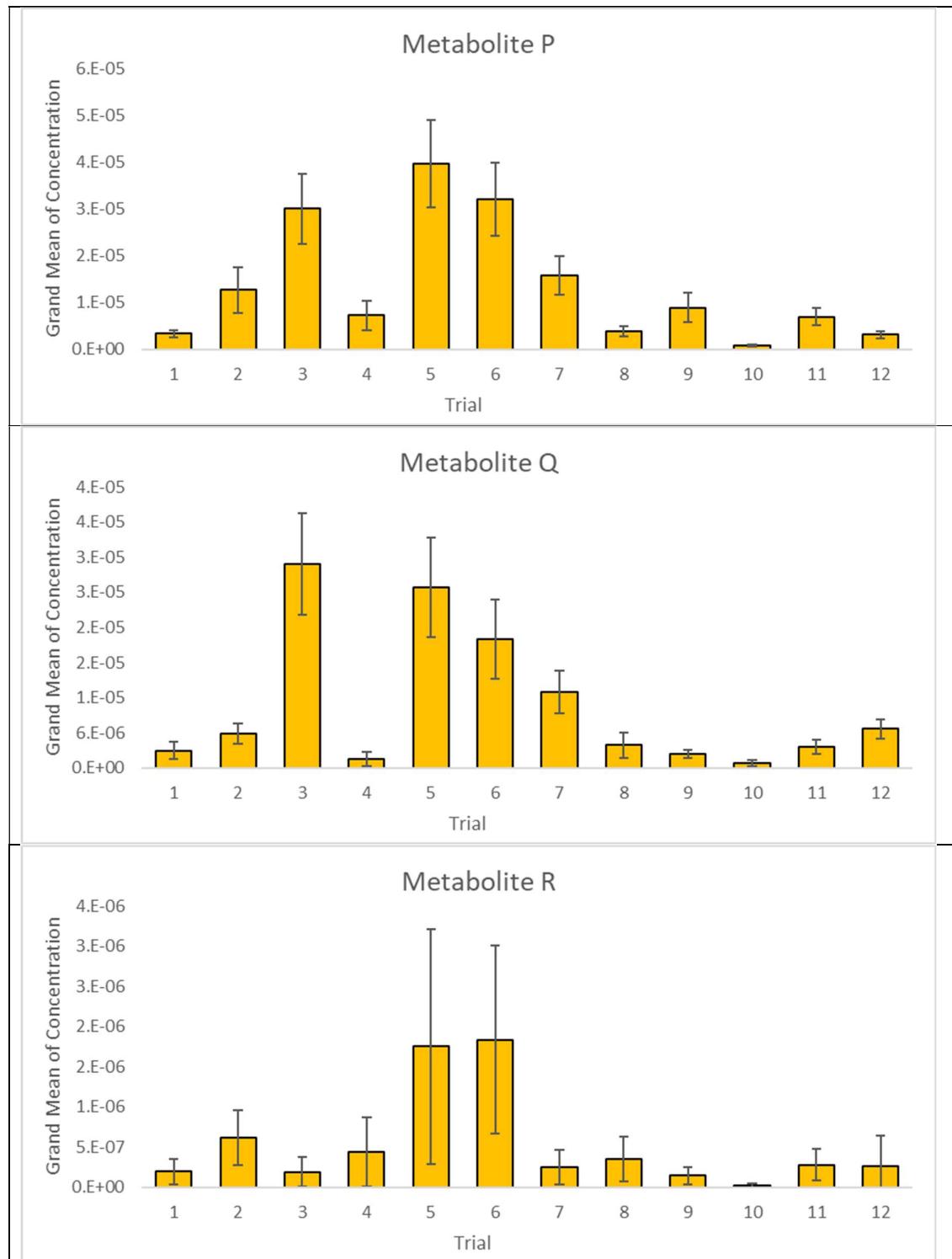


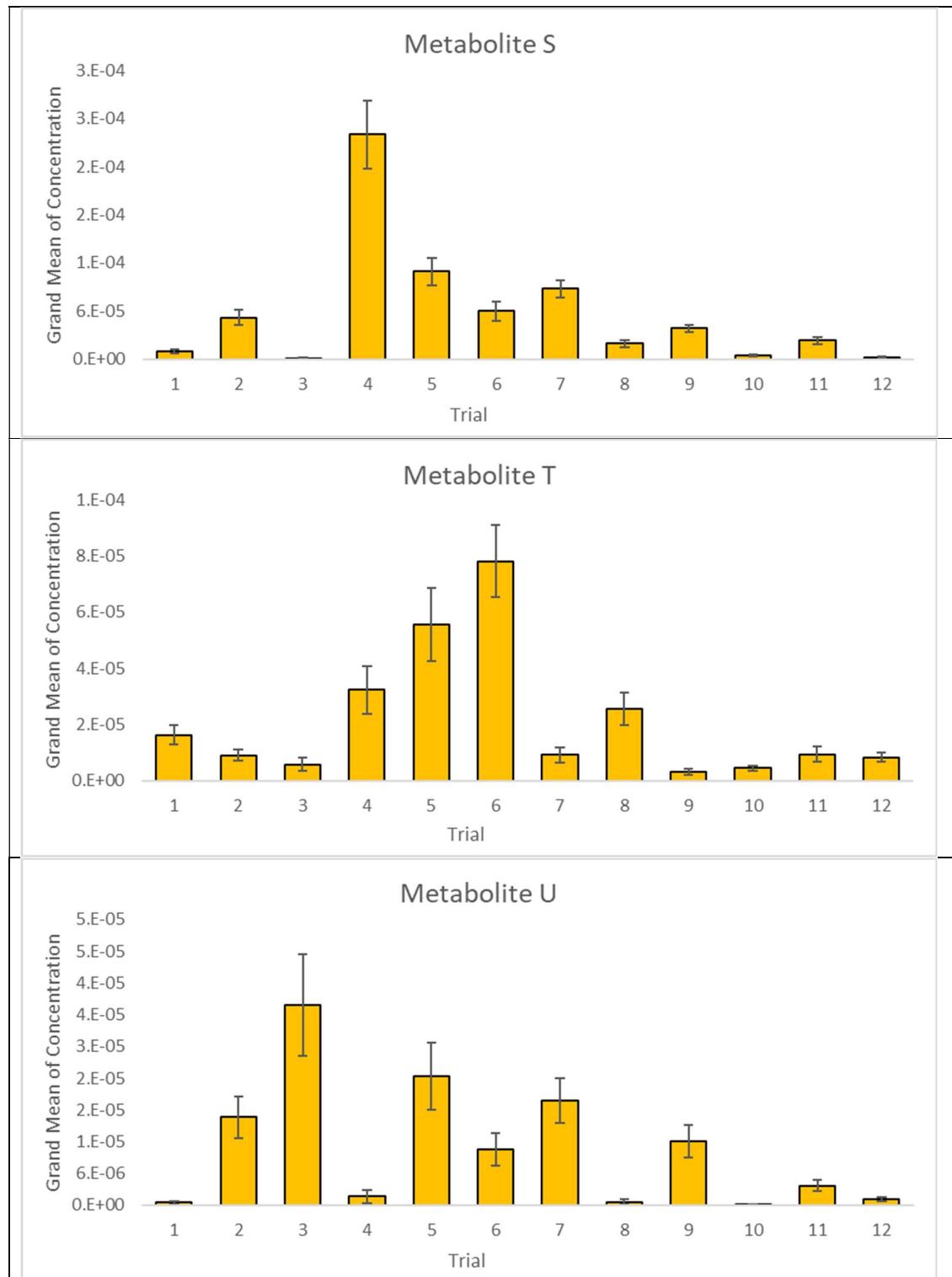


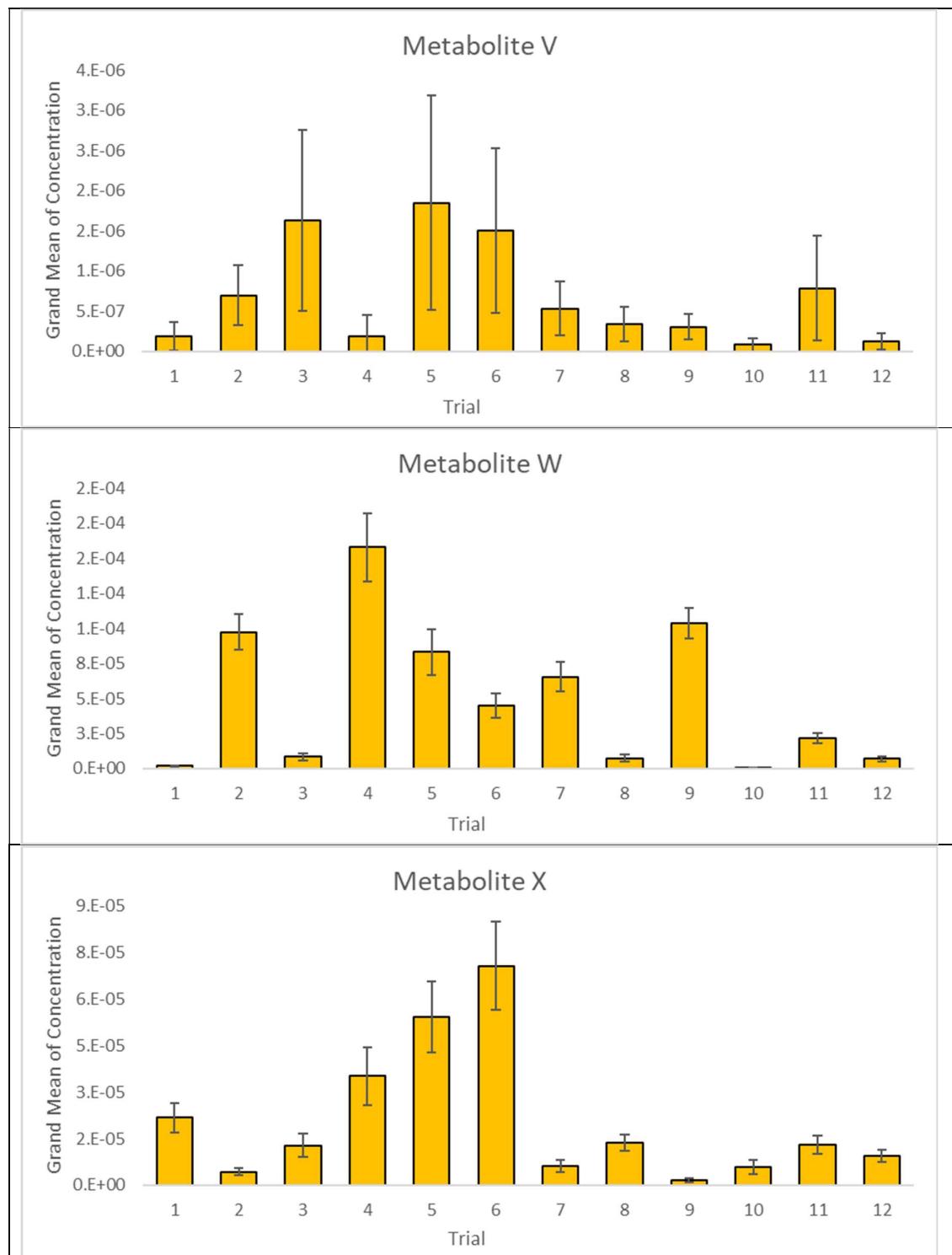


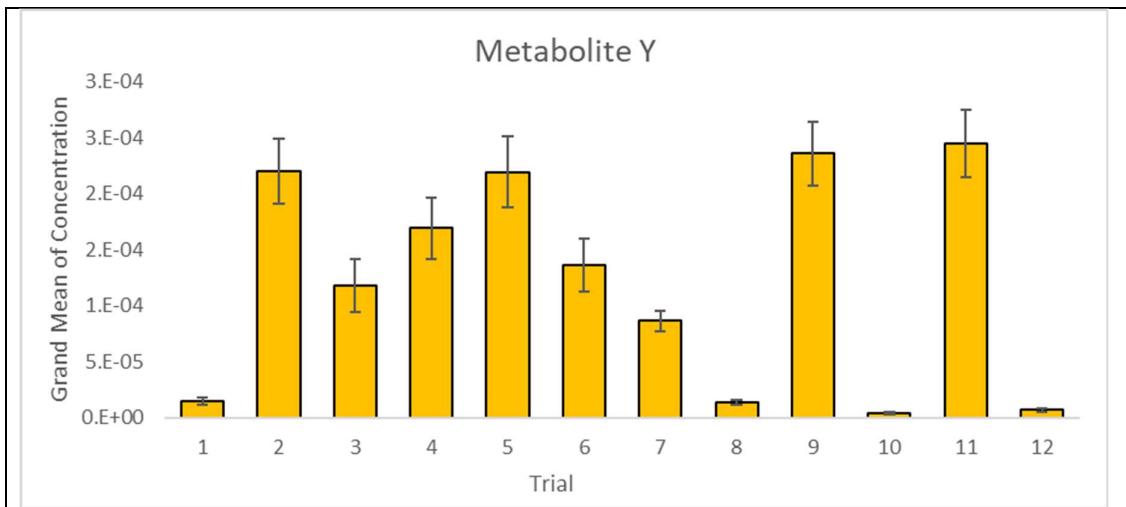




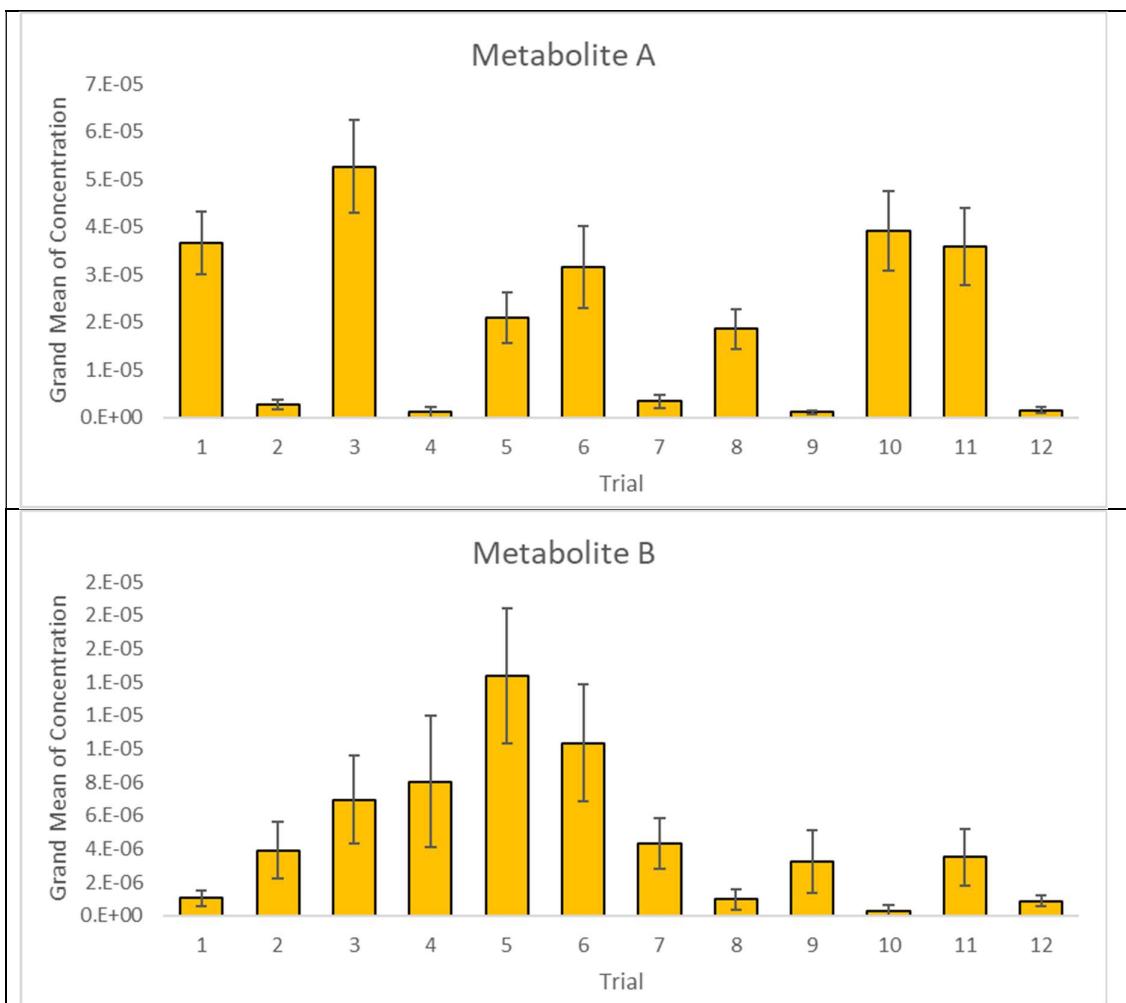


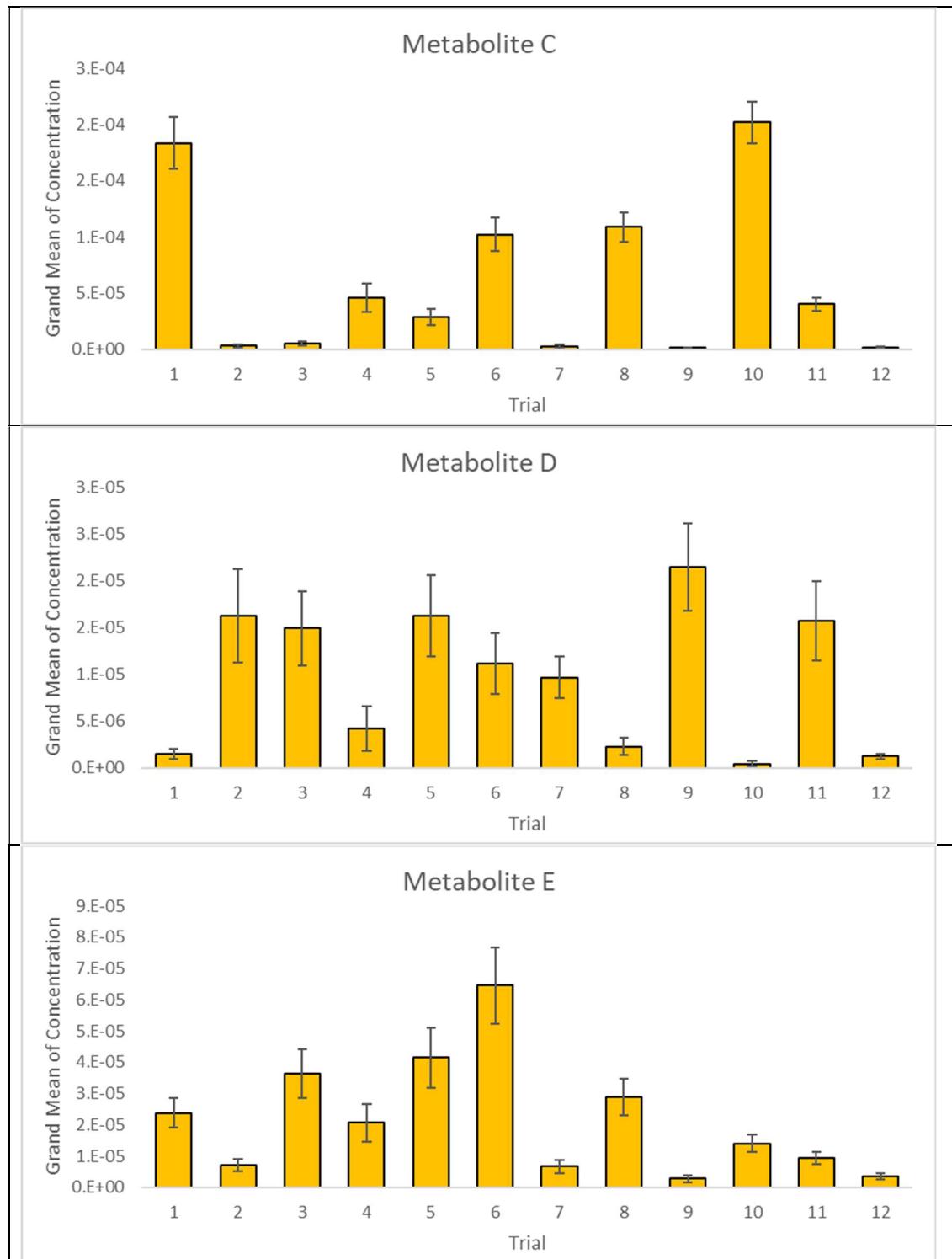


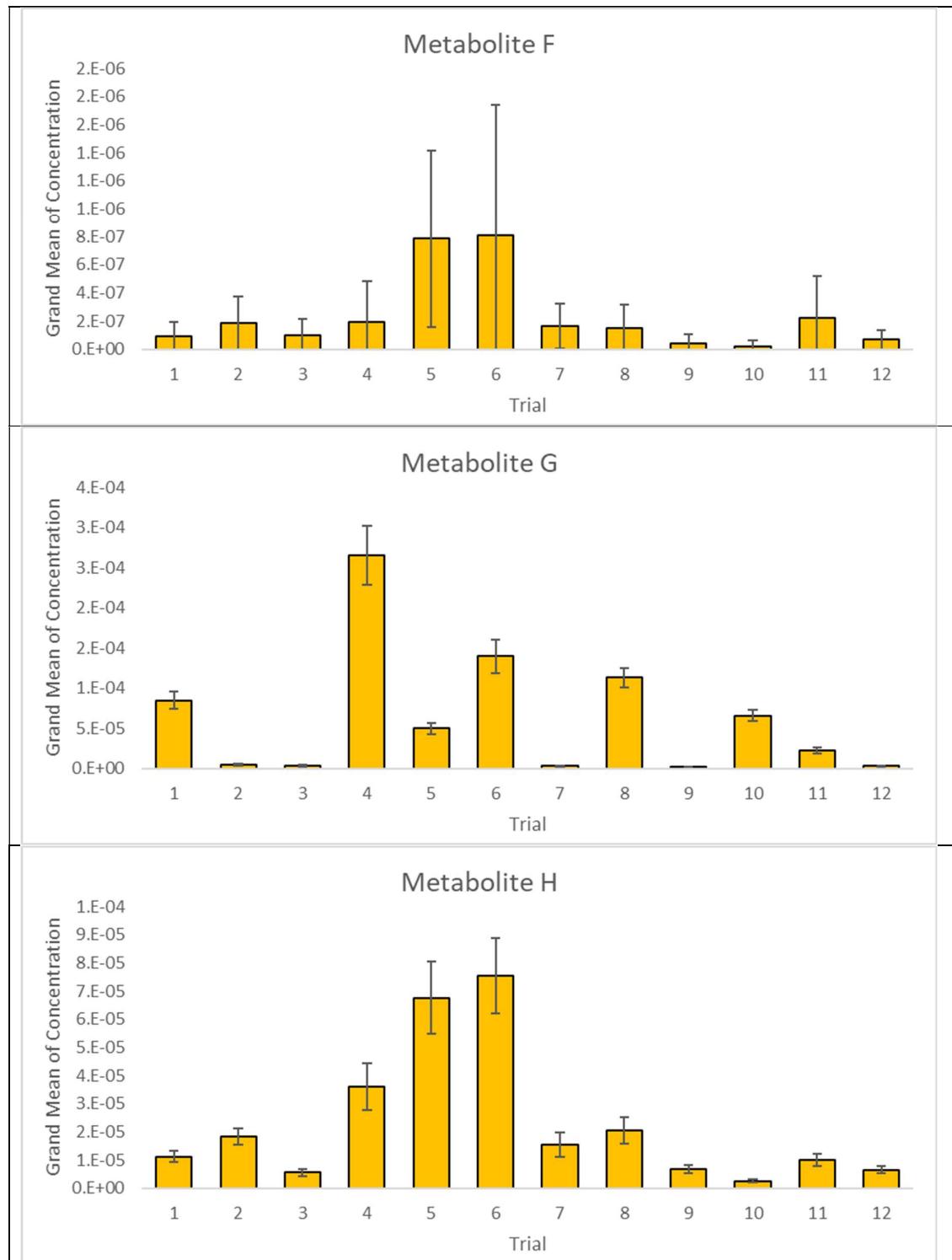


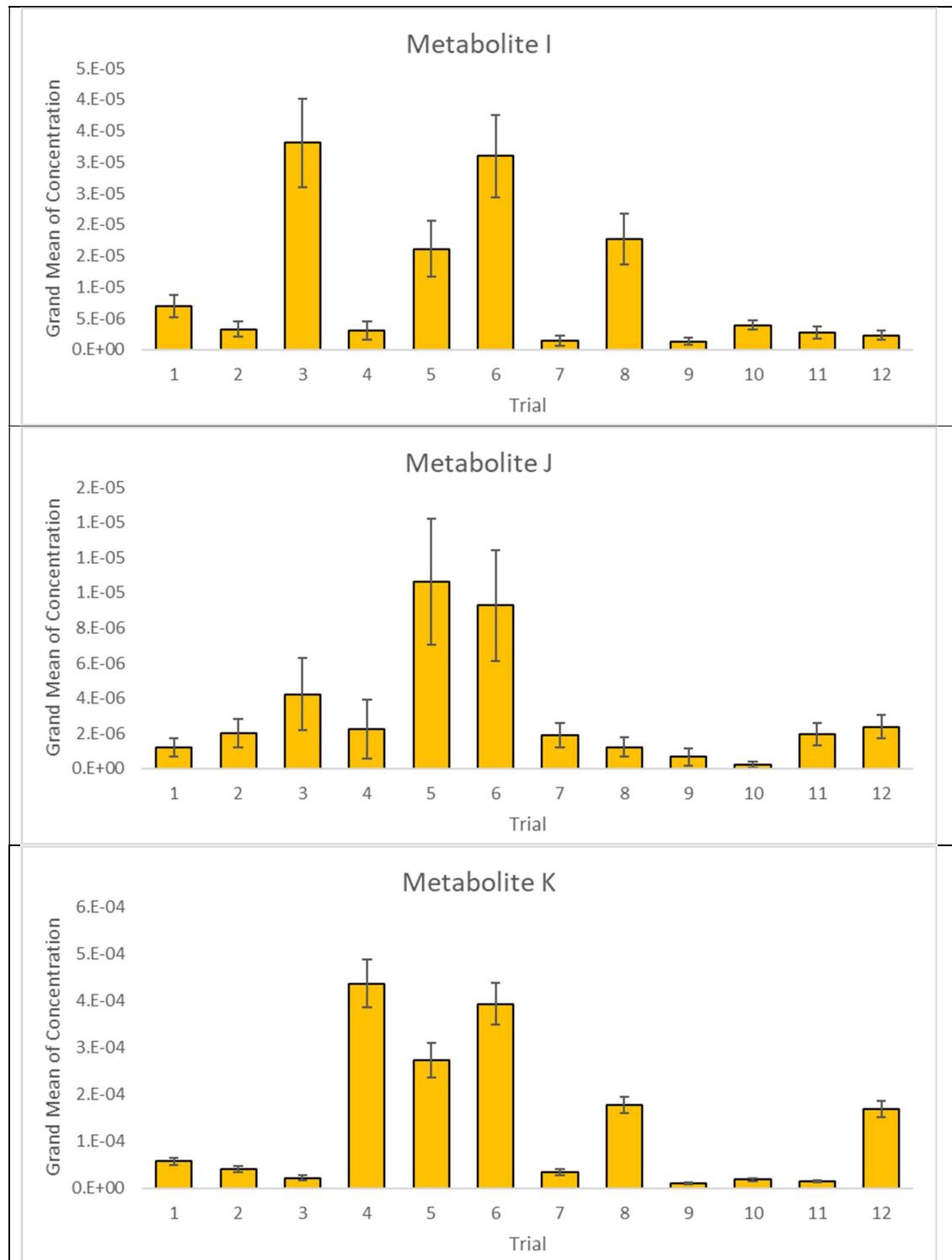


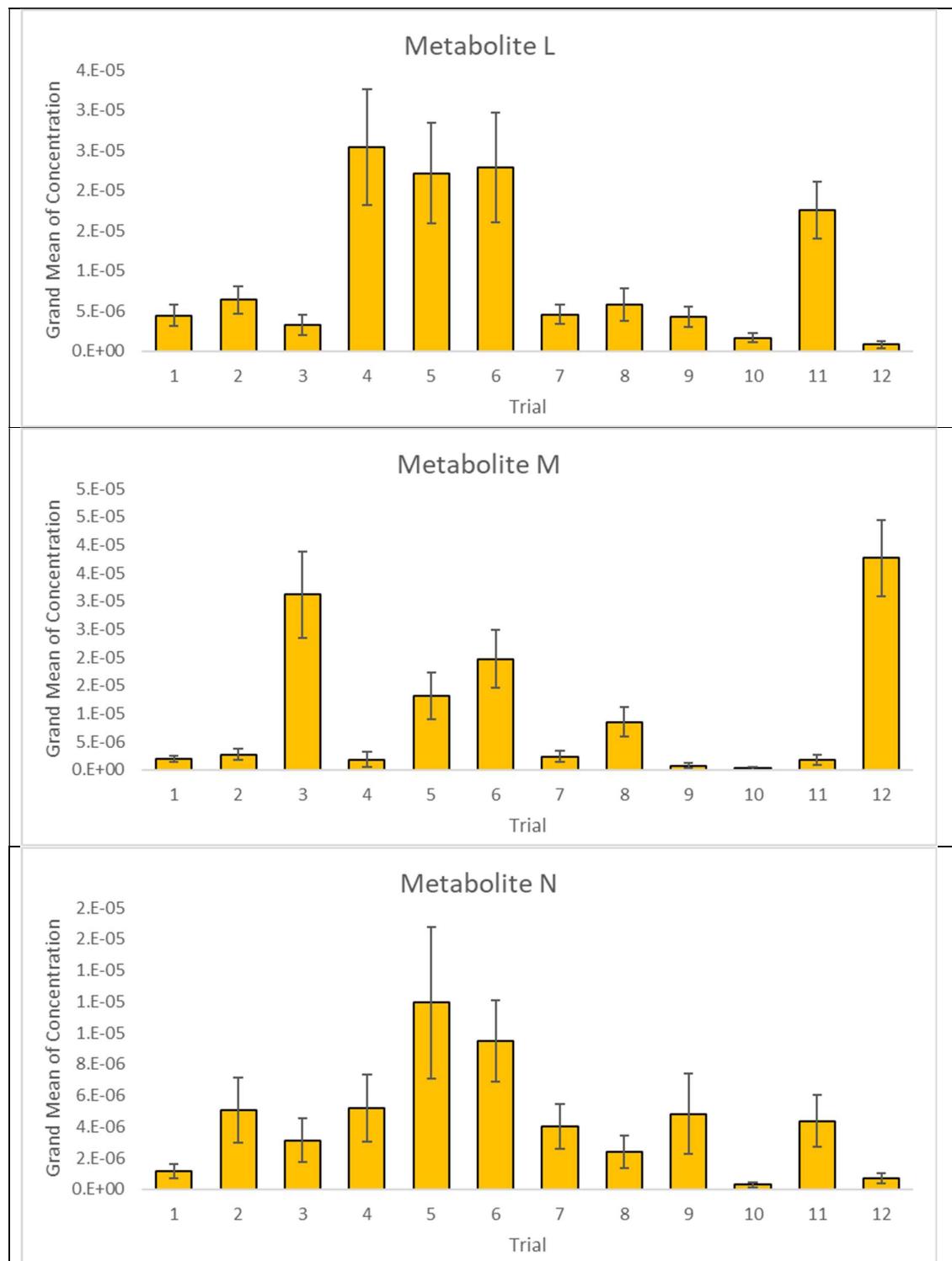
S18. Grand Mean of Concentrations of metabolites (A to Z) across trials 1 to 12 for generation 1000.

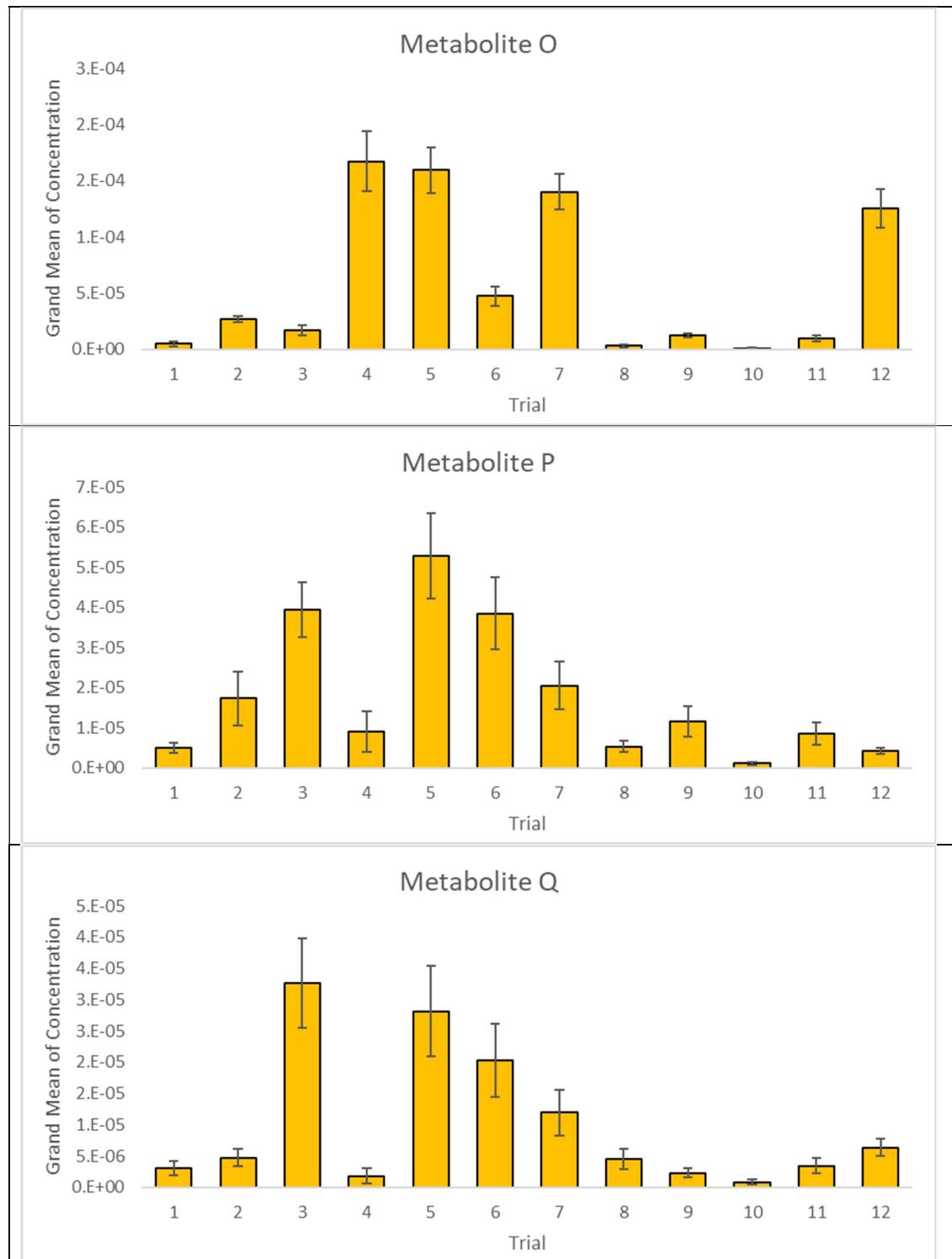


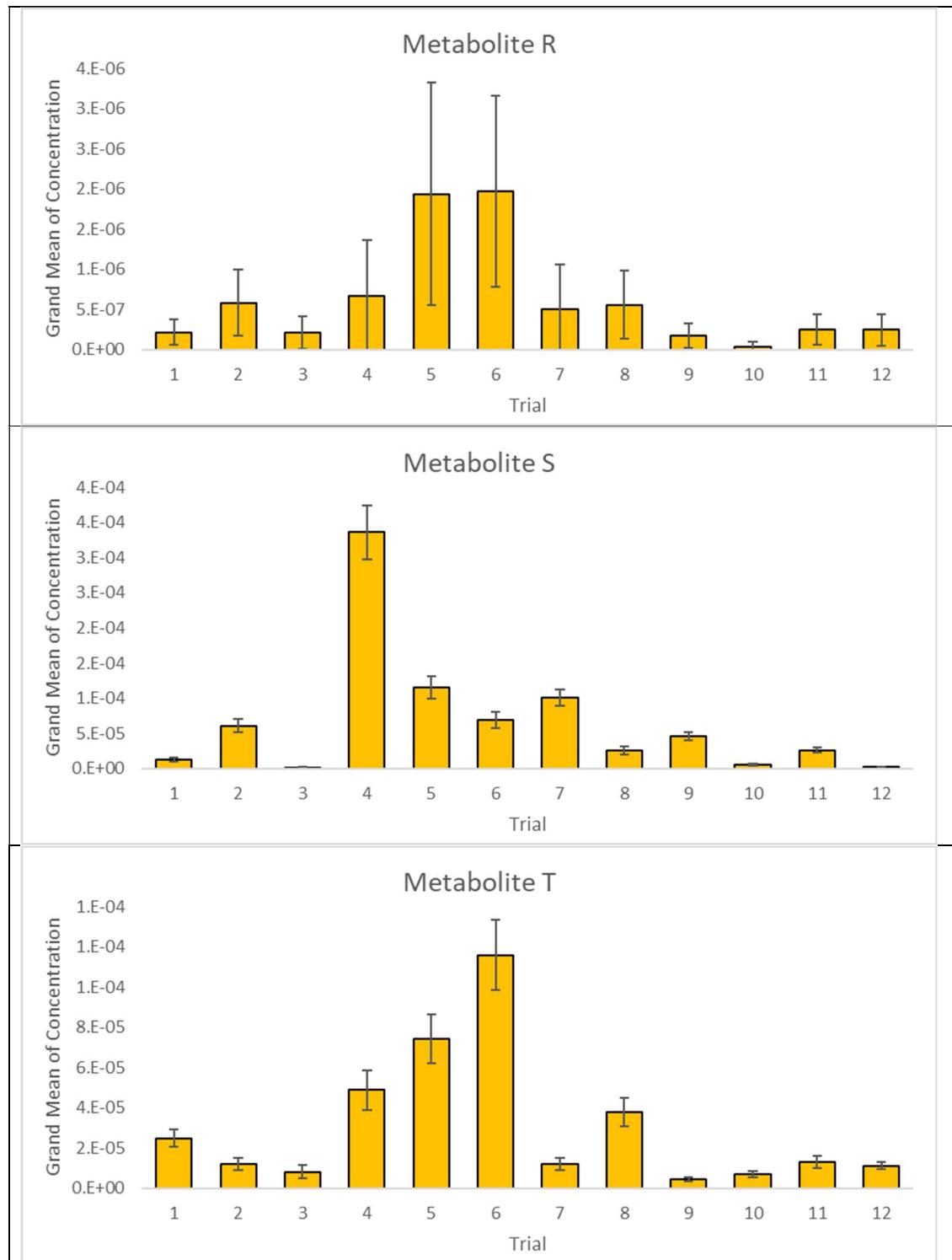


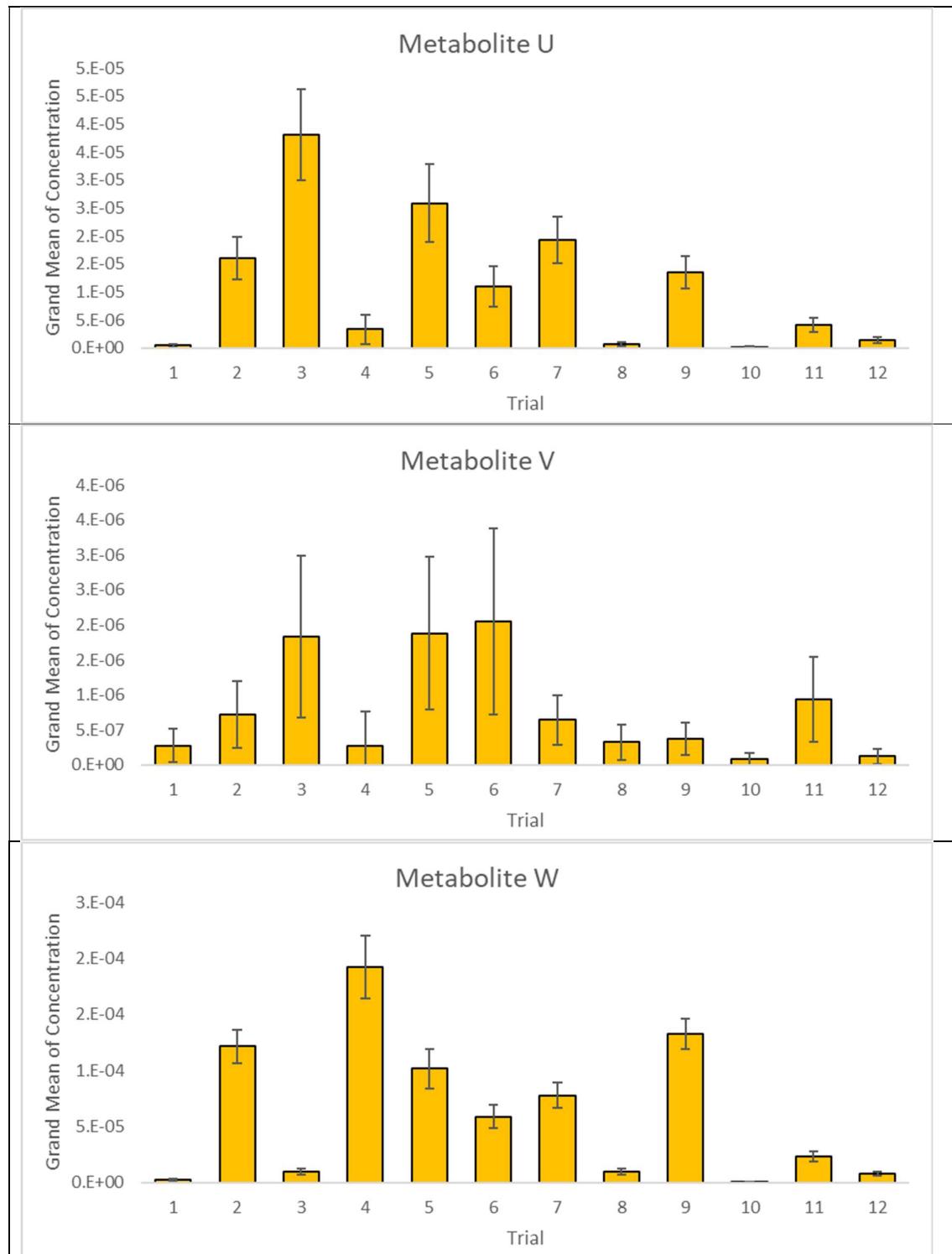


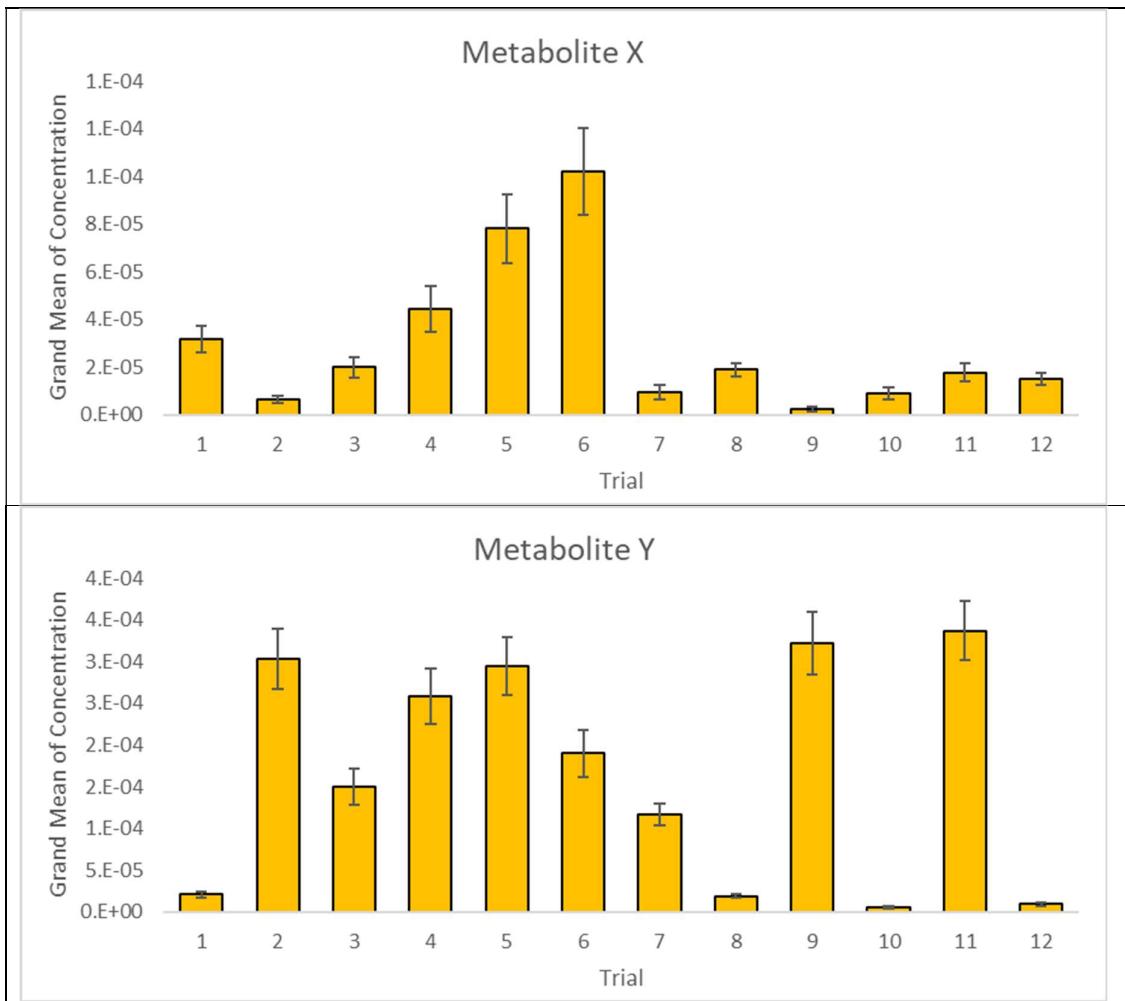




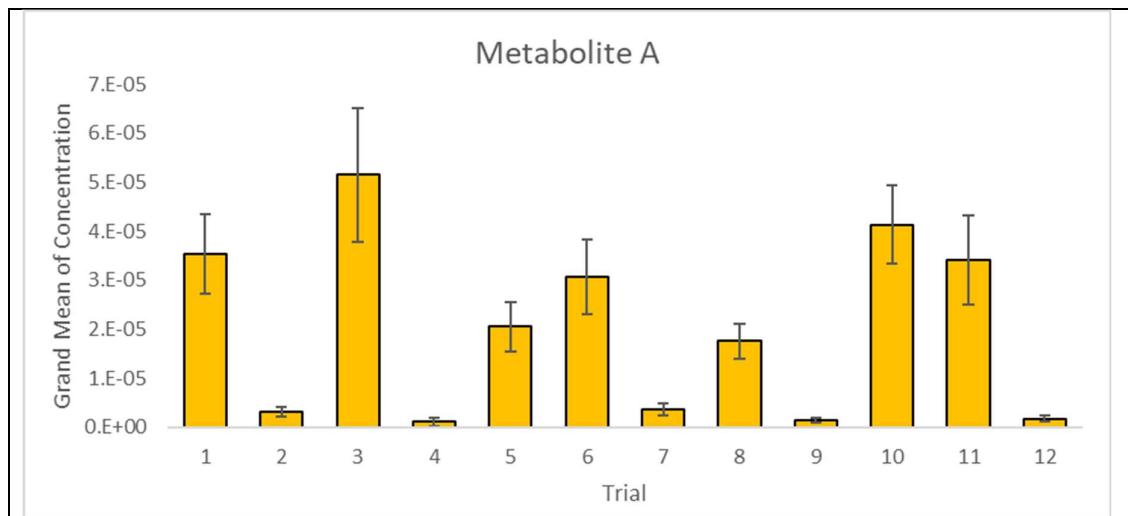


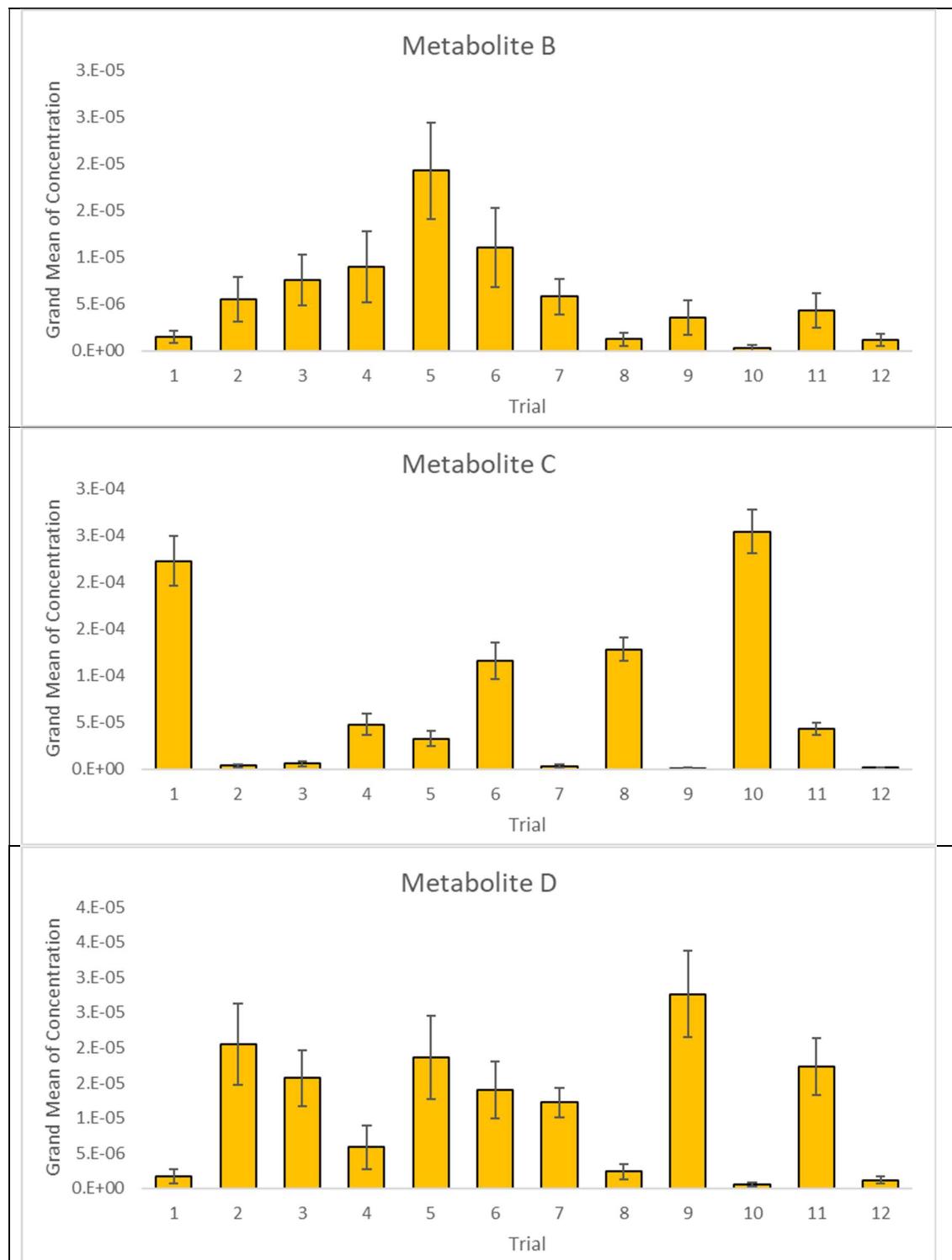


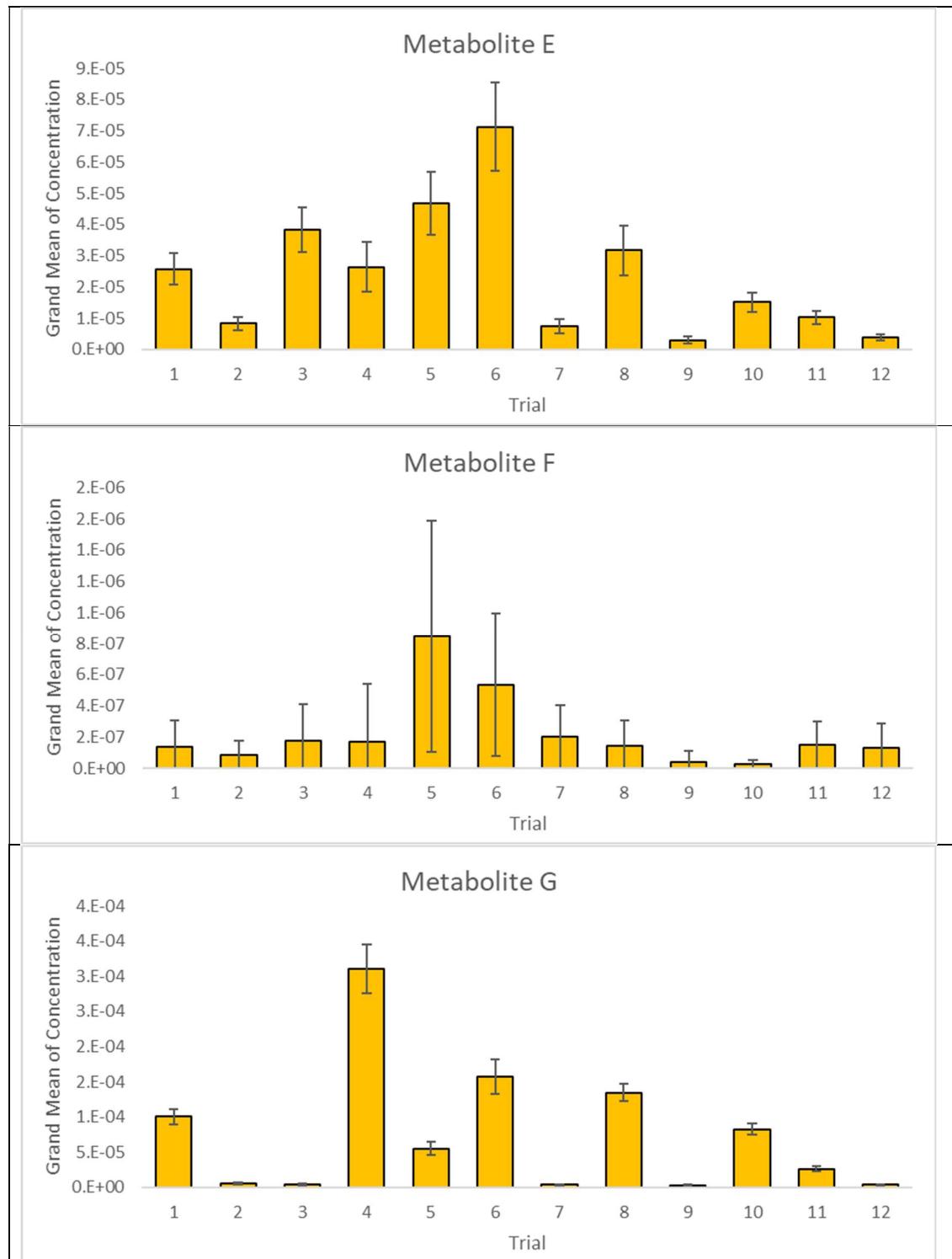


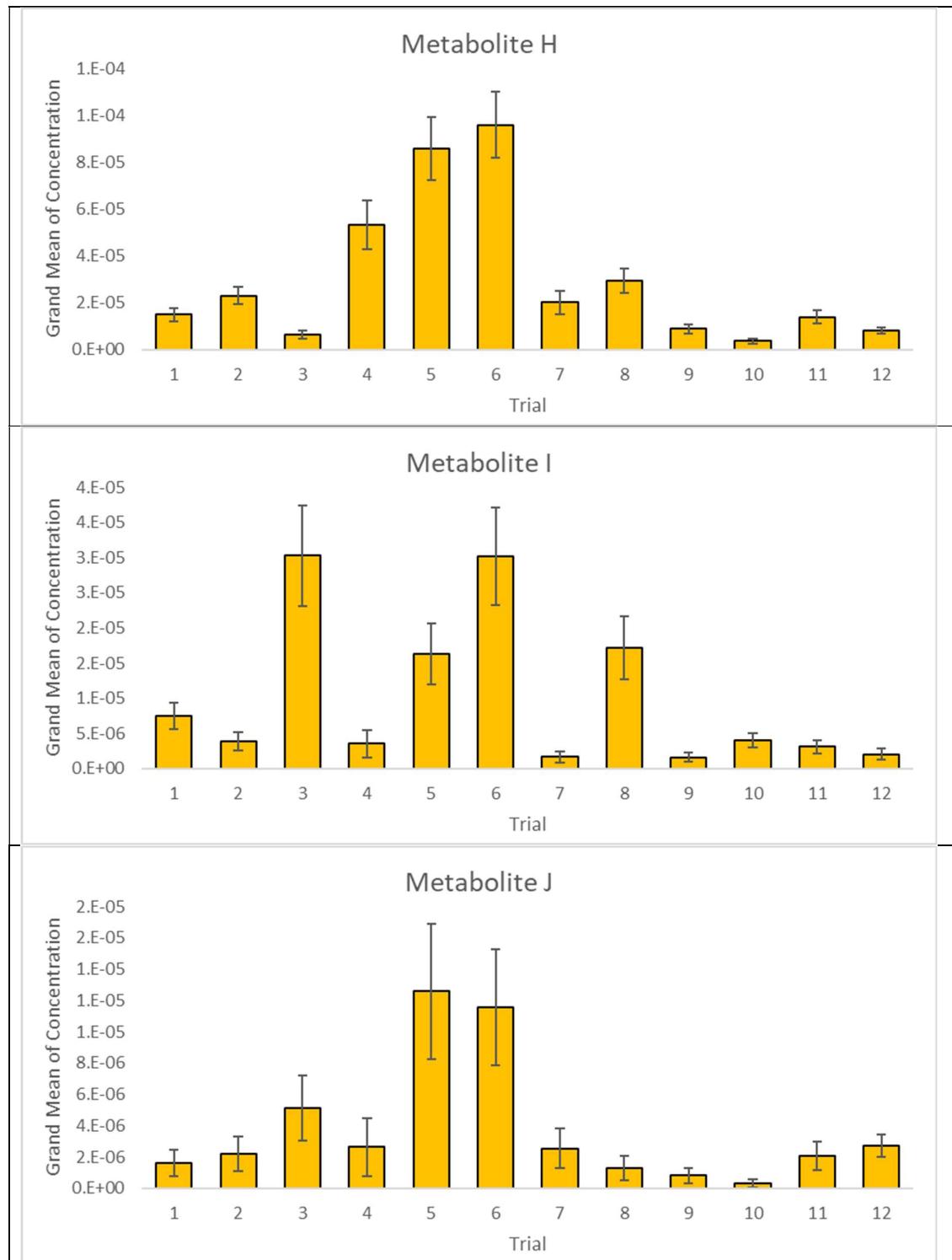


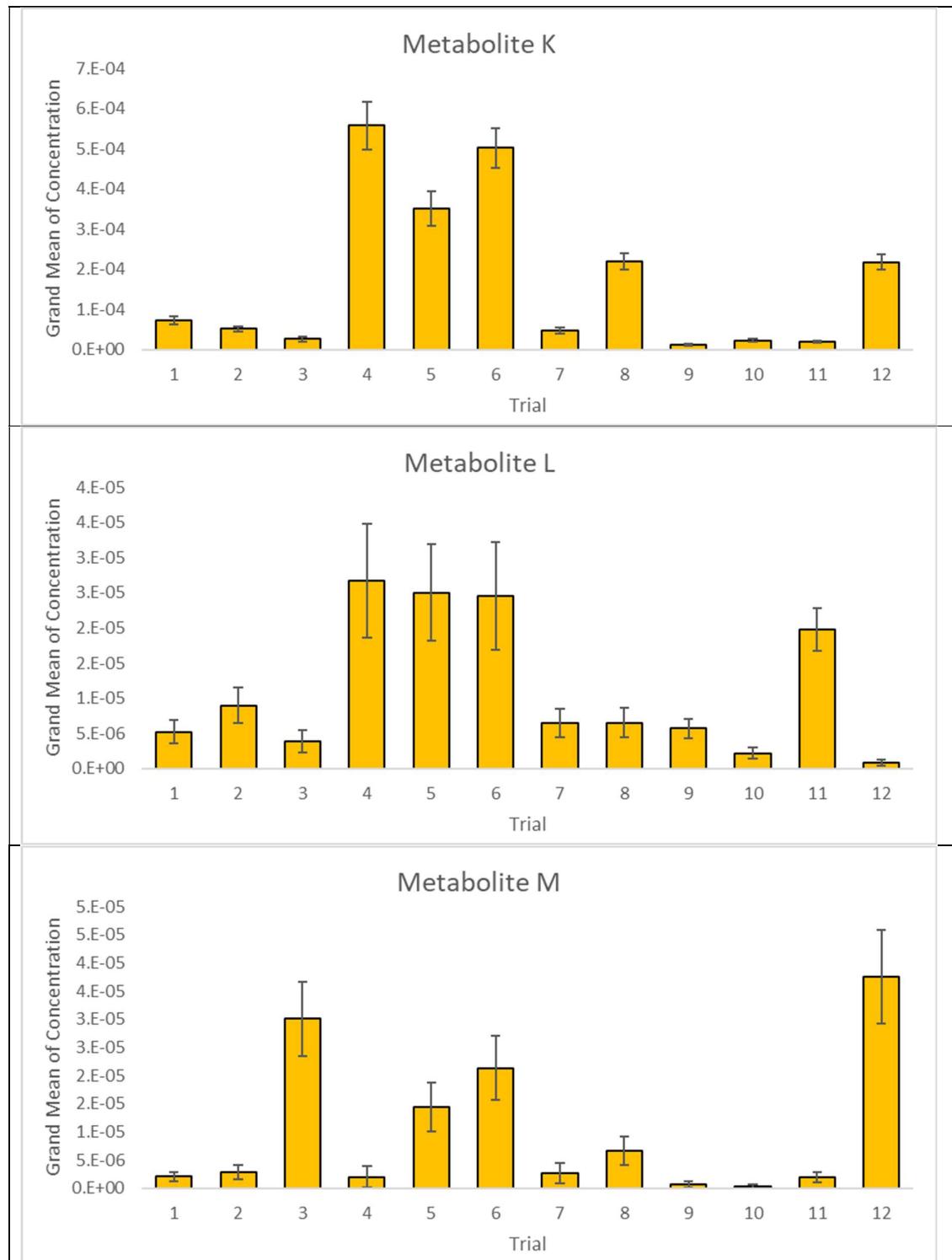
S19. Grand Mean of Concentrations of metabolites (A to Z) across trials 1 to 12 for generation 1250.

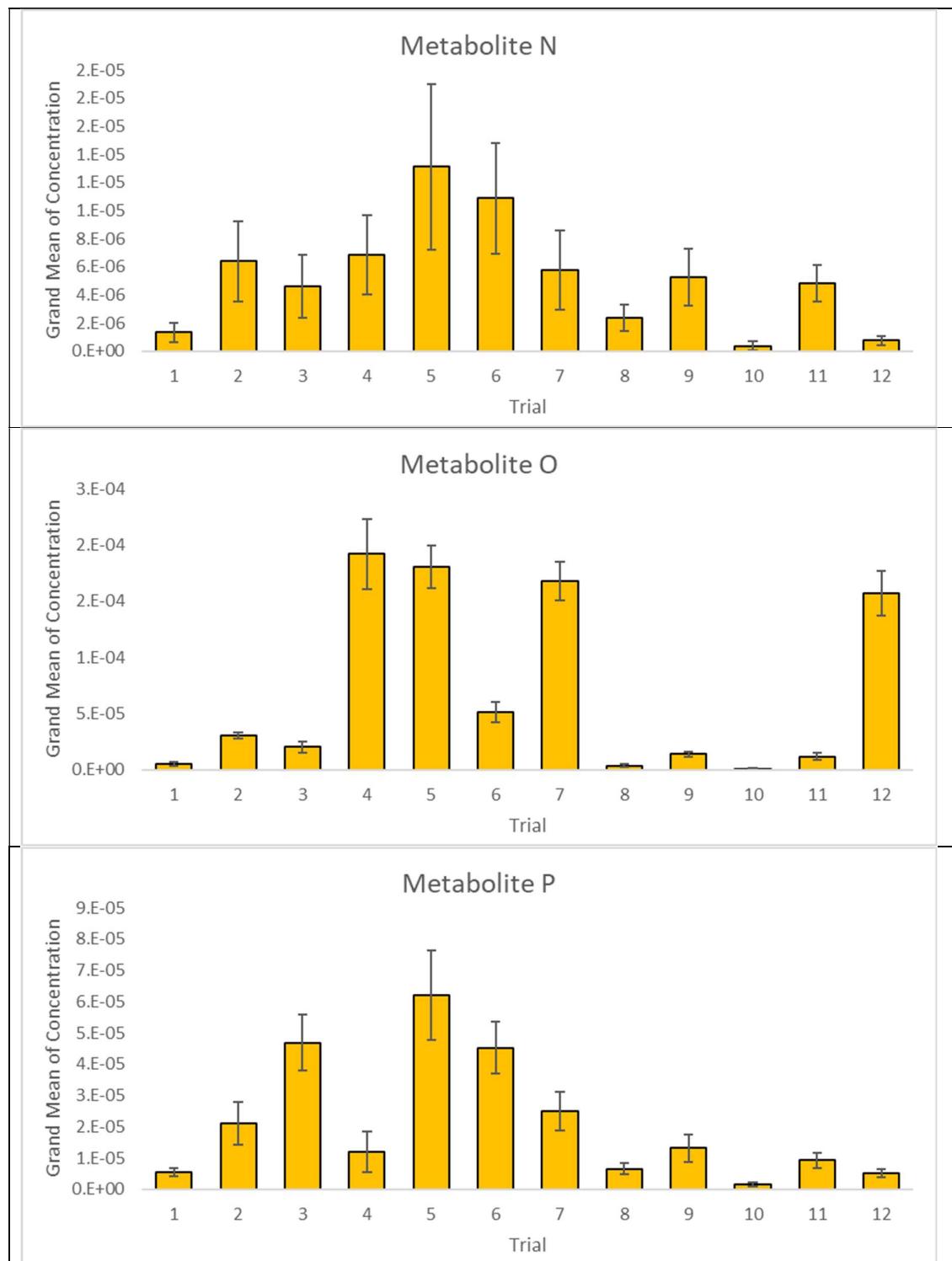


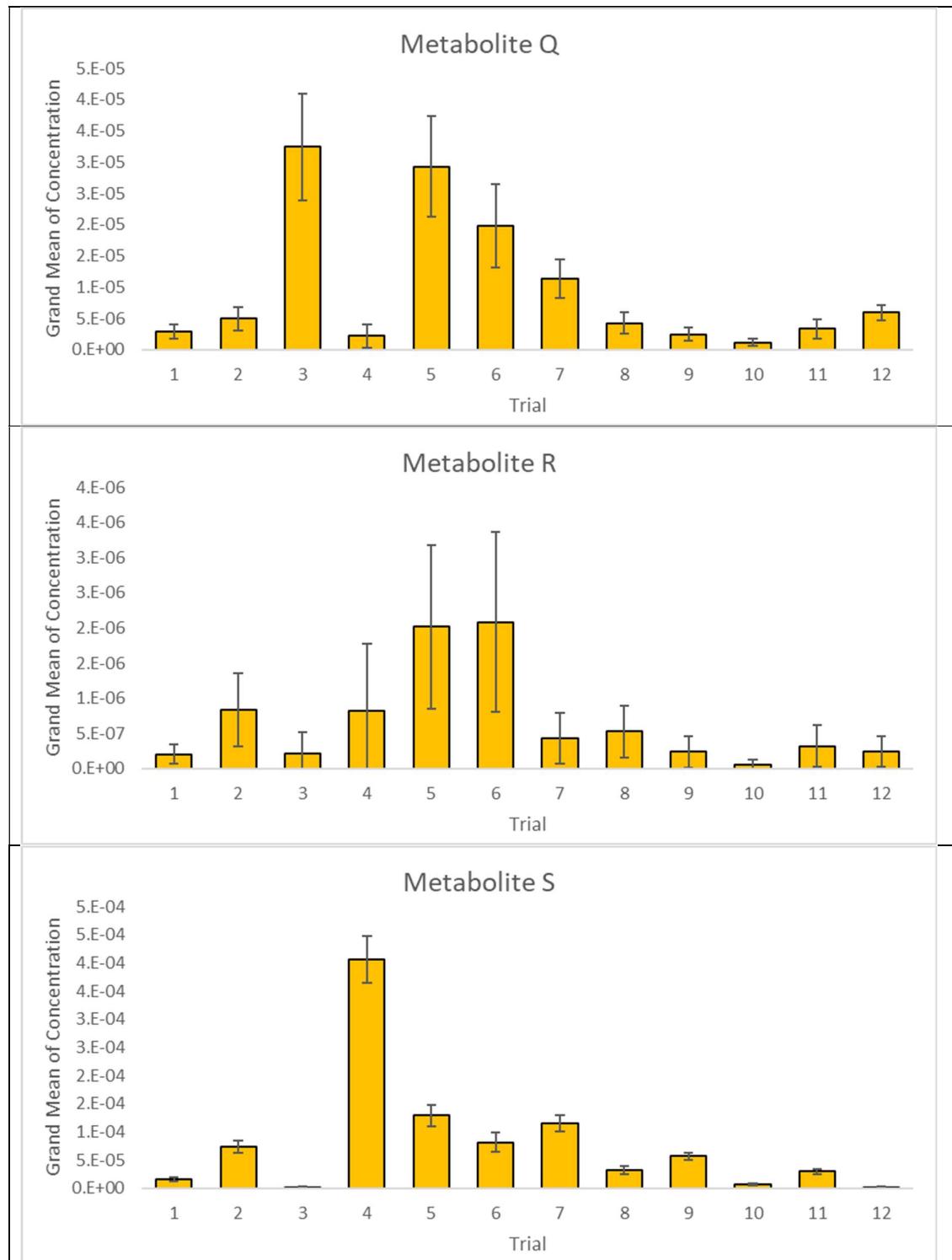


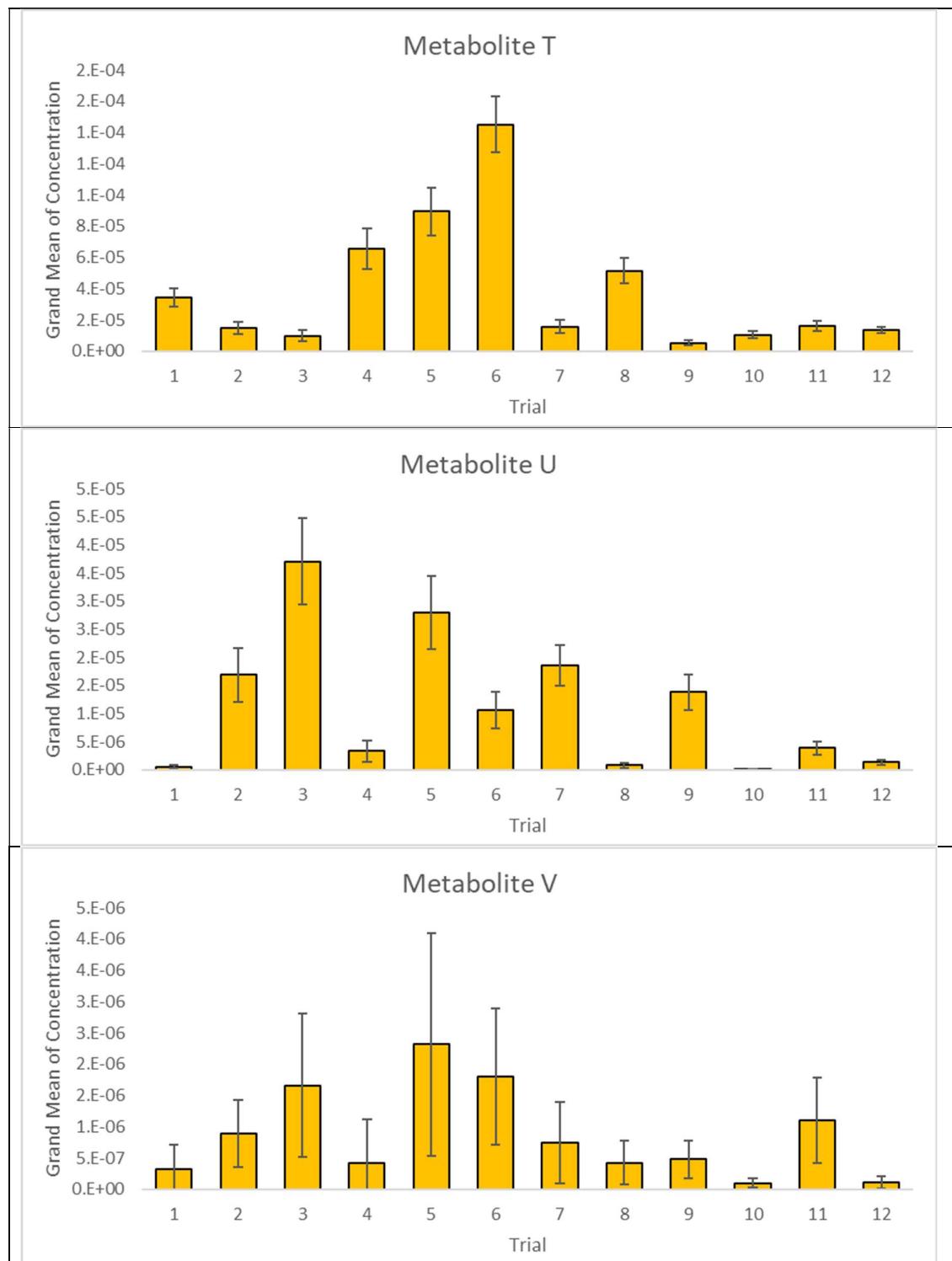


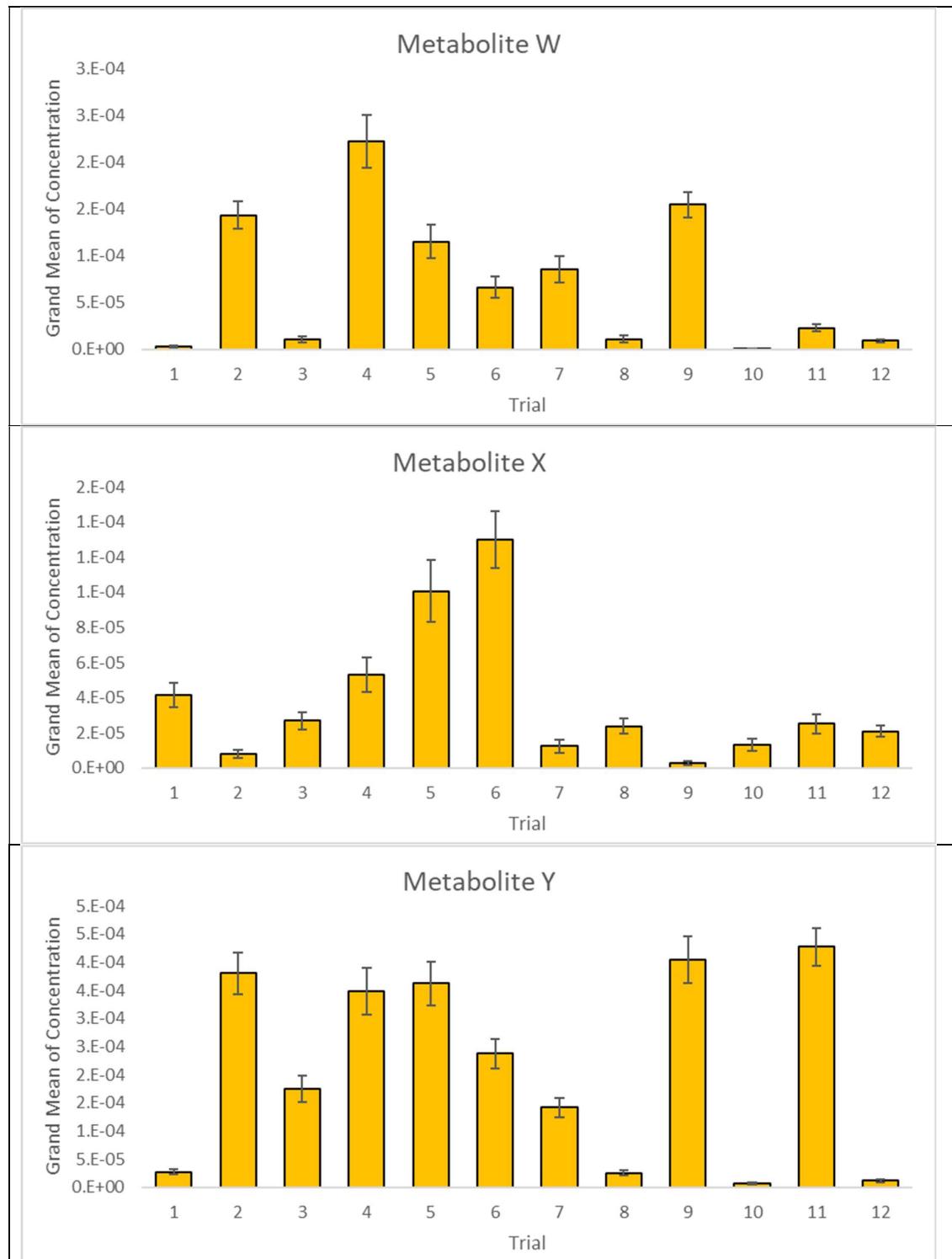




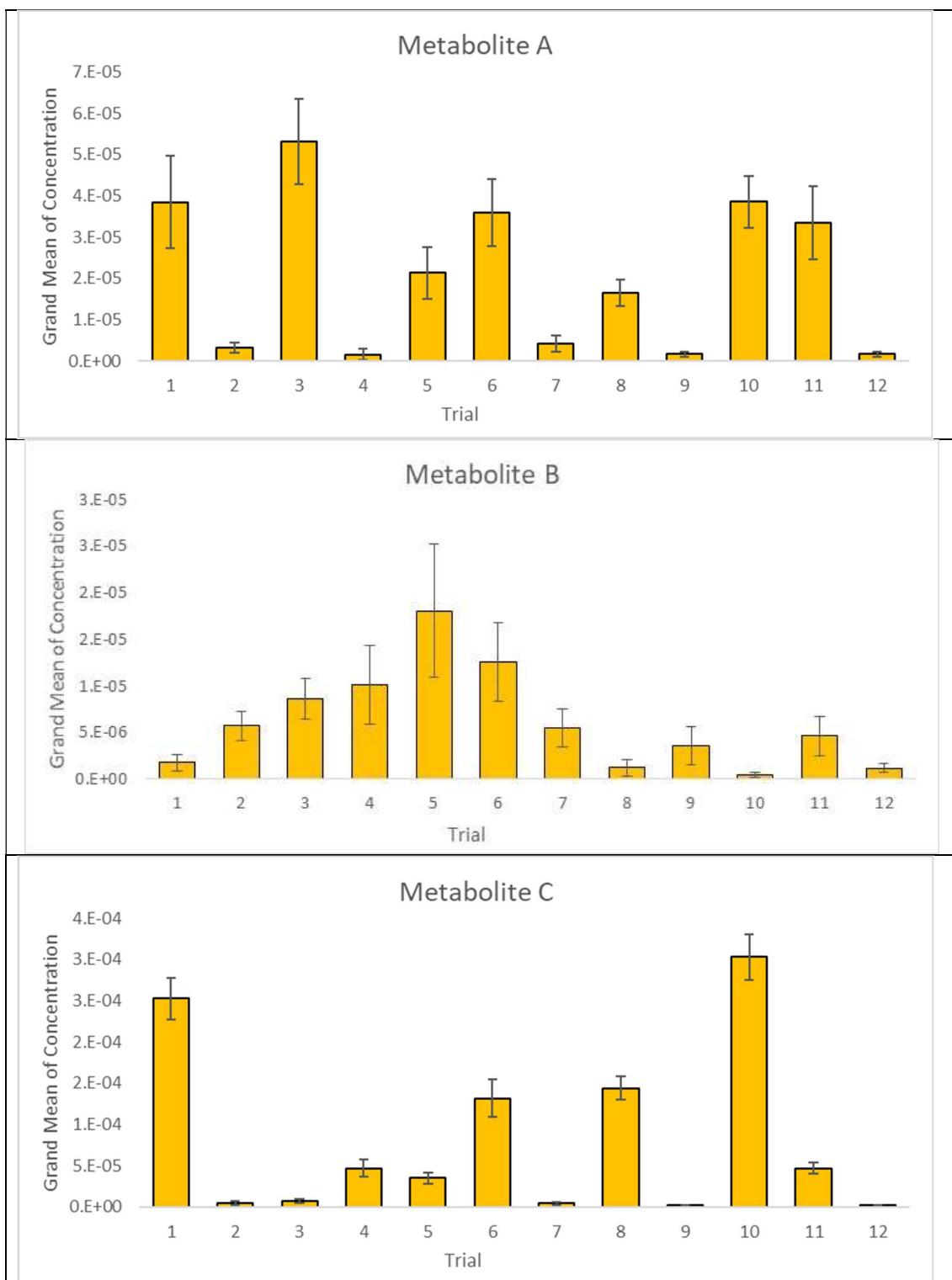


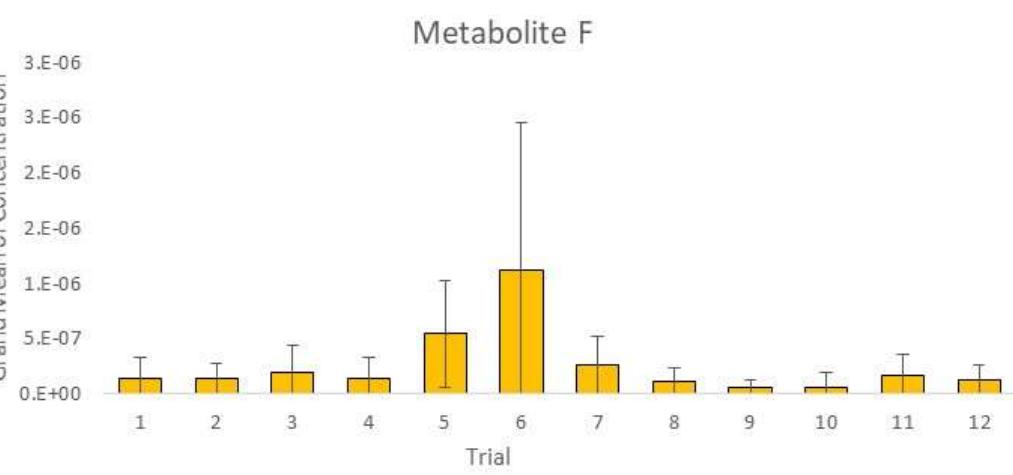
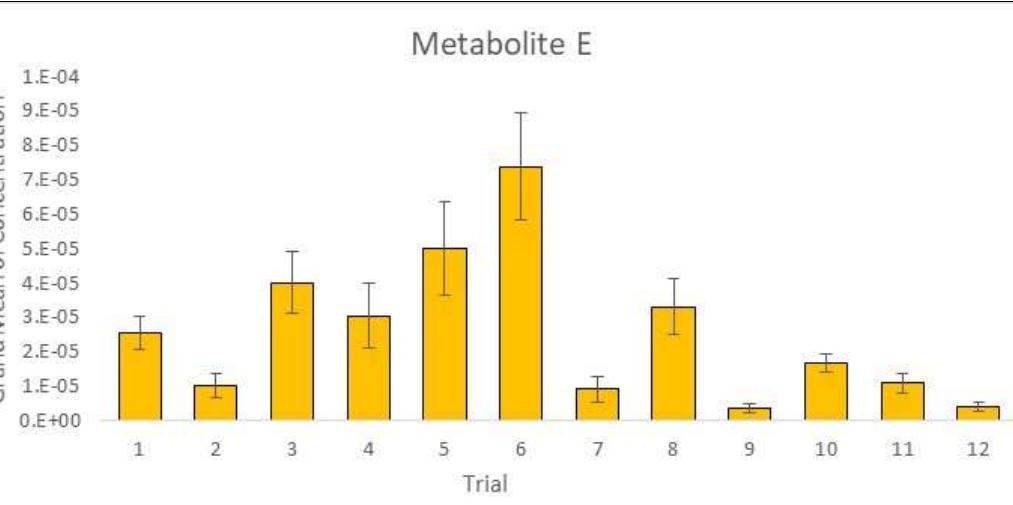
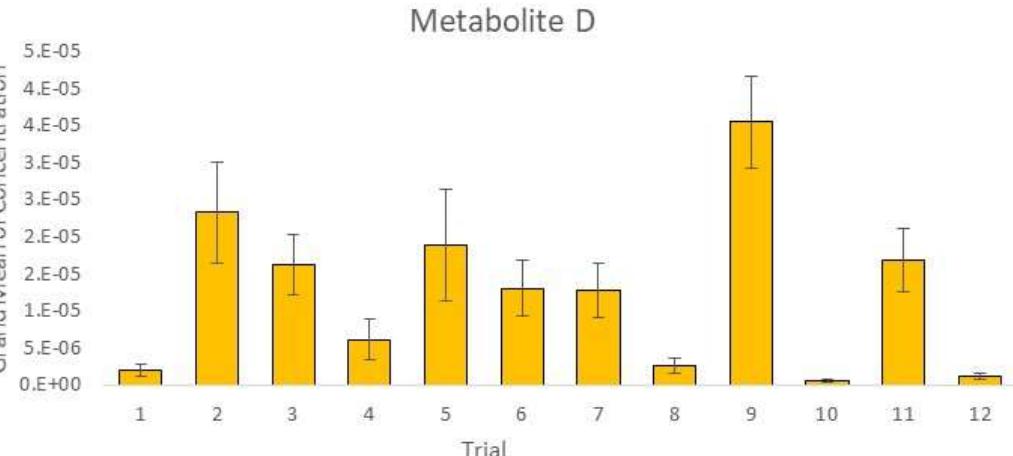


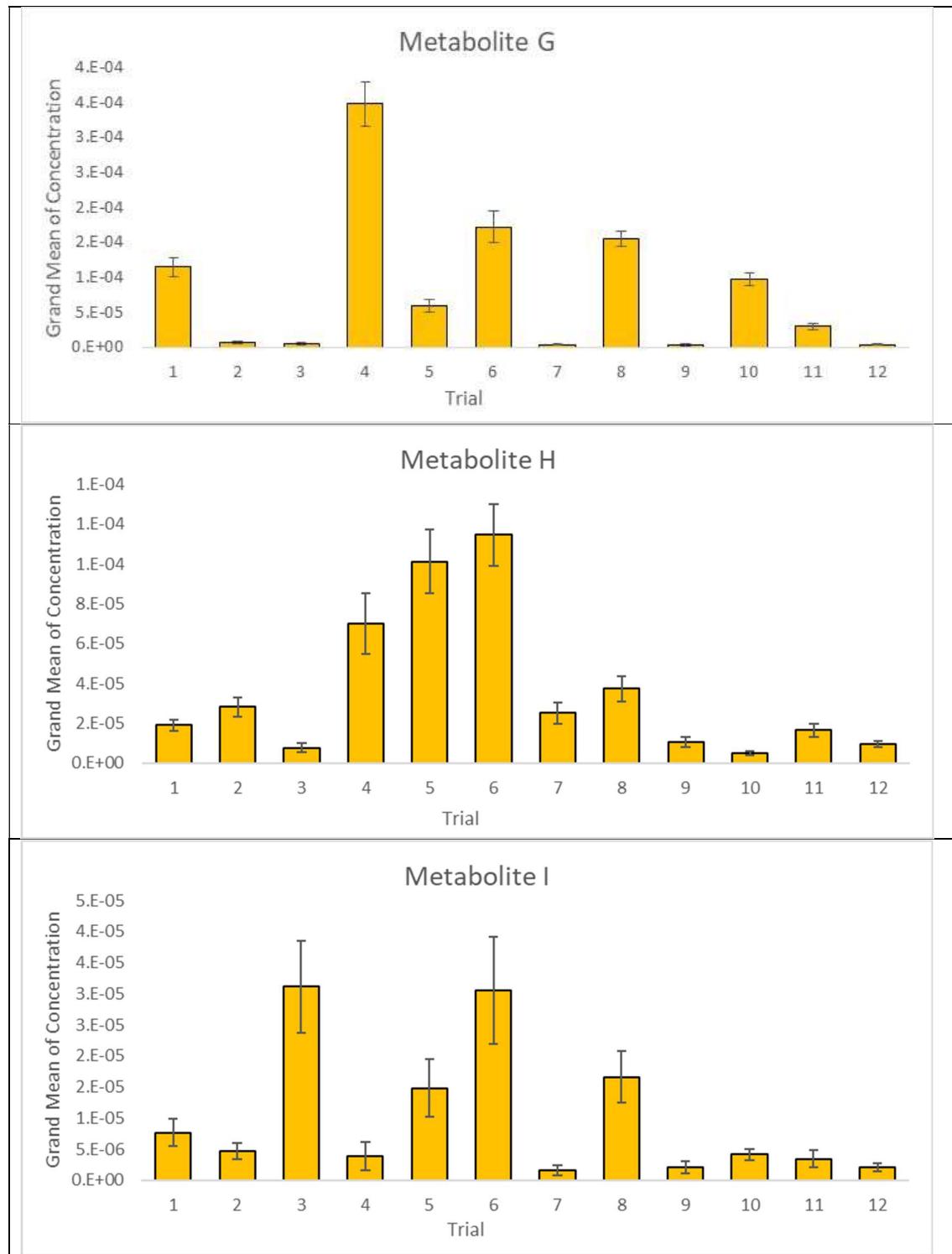


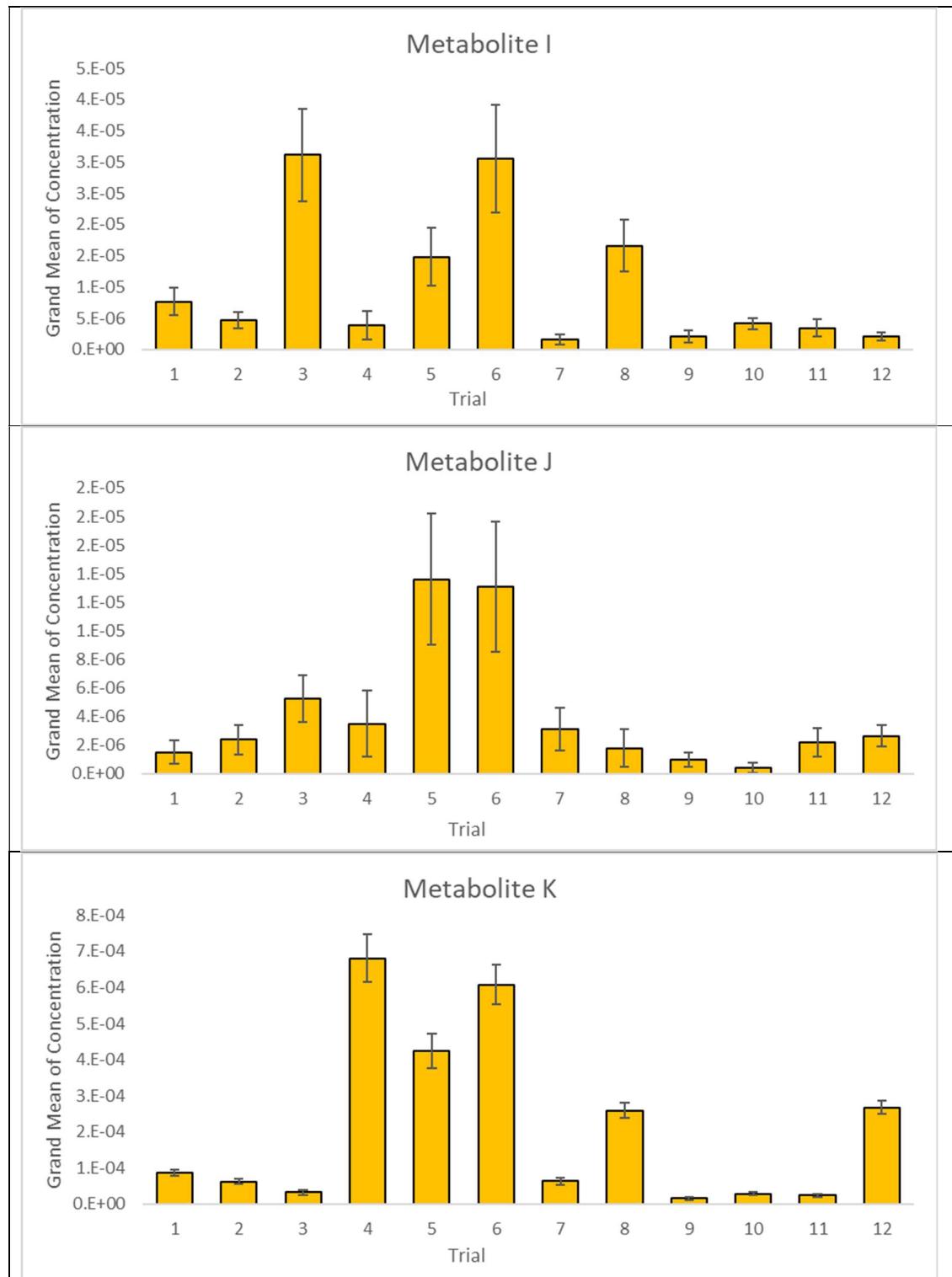


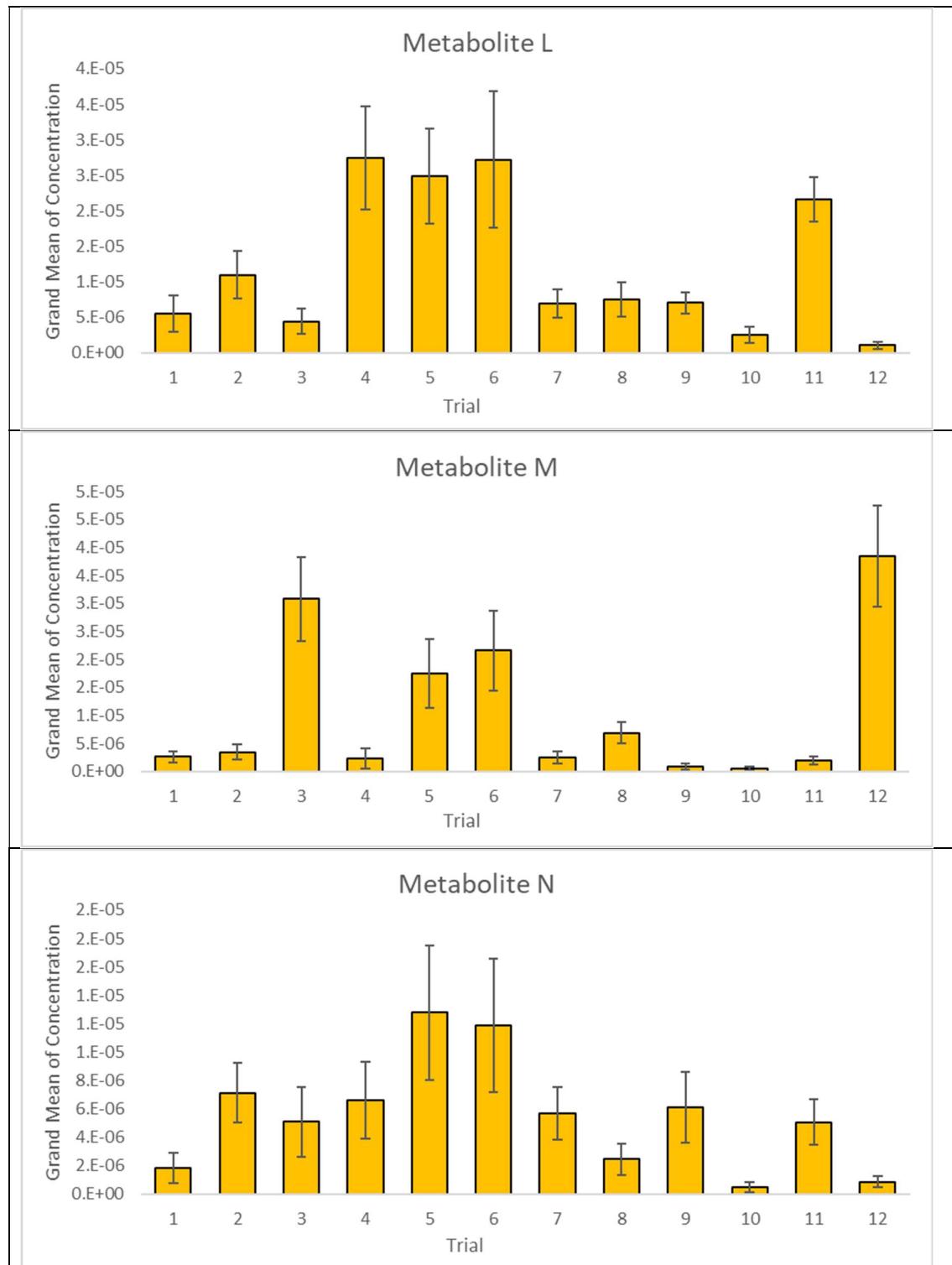
S20. Grand Mean of Concentrations of metabolites (A to Z) across trials 1 to 12 for generation 1500.

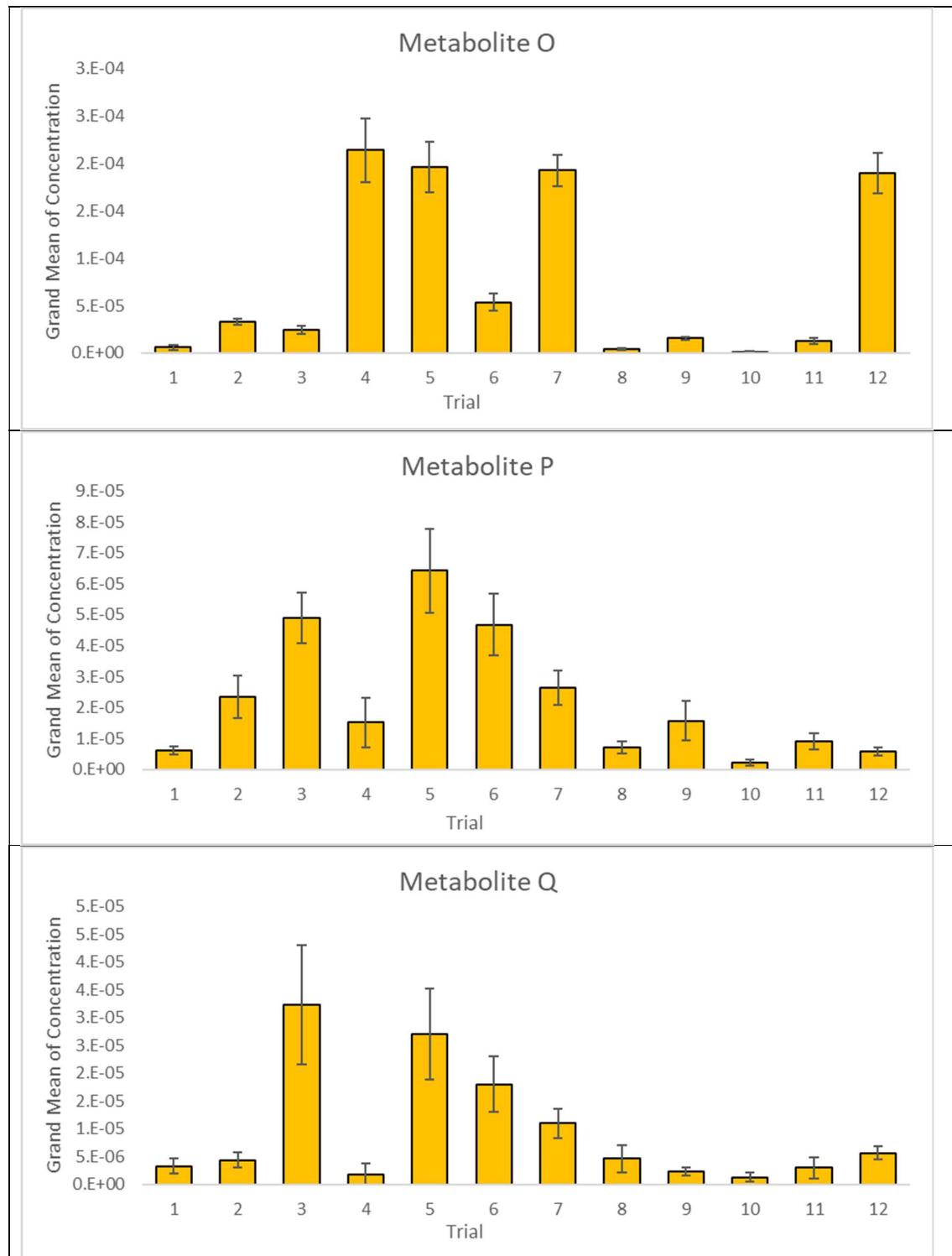


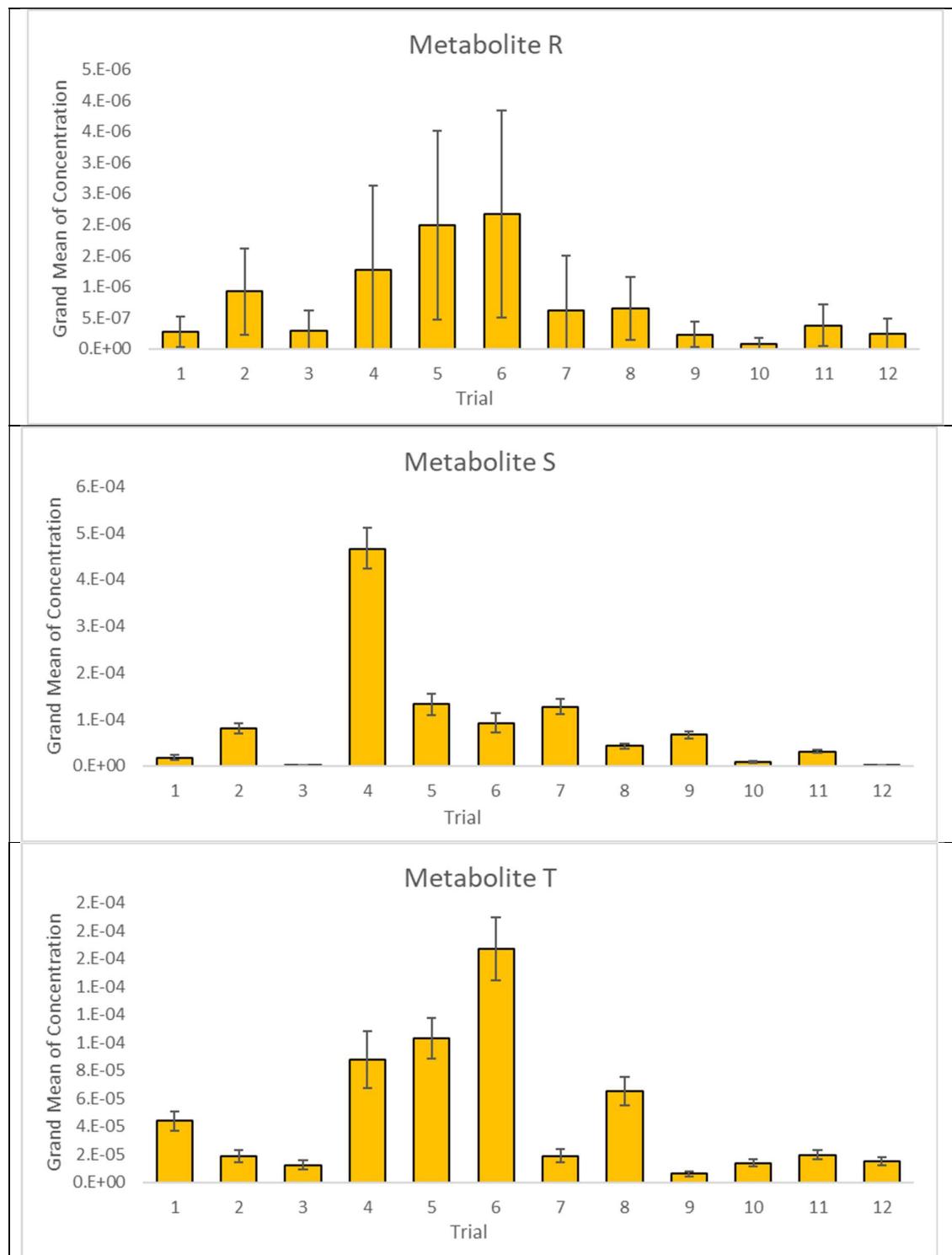


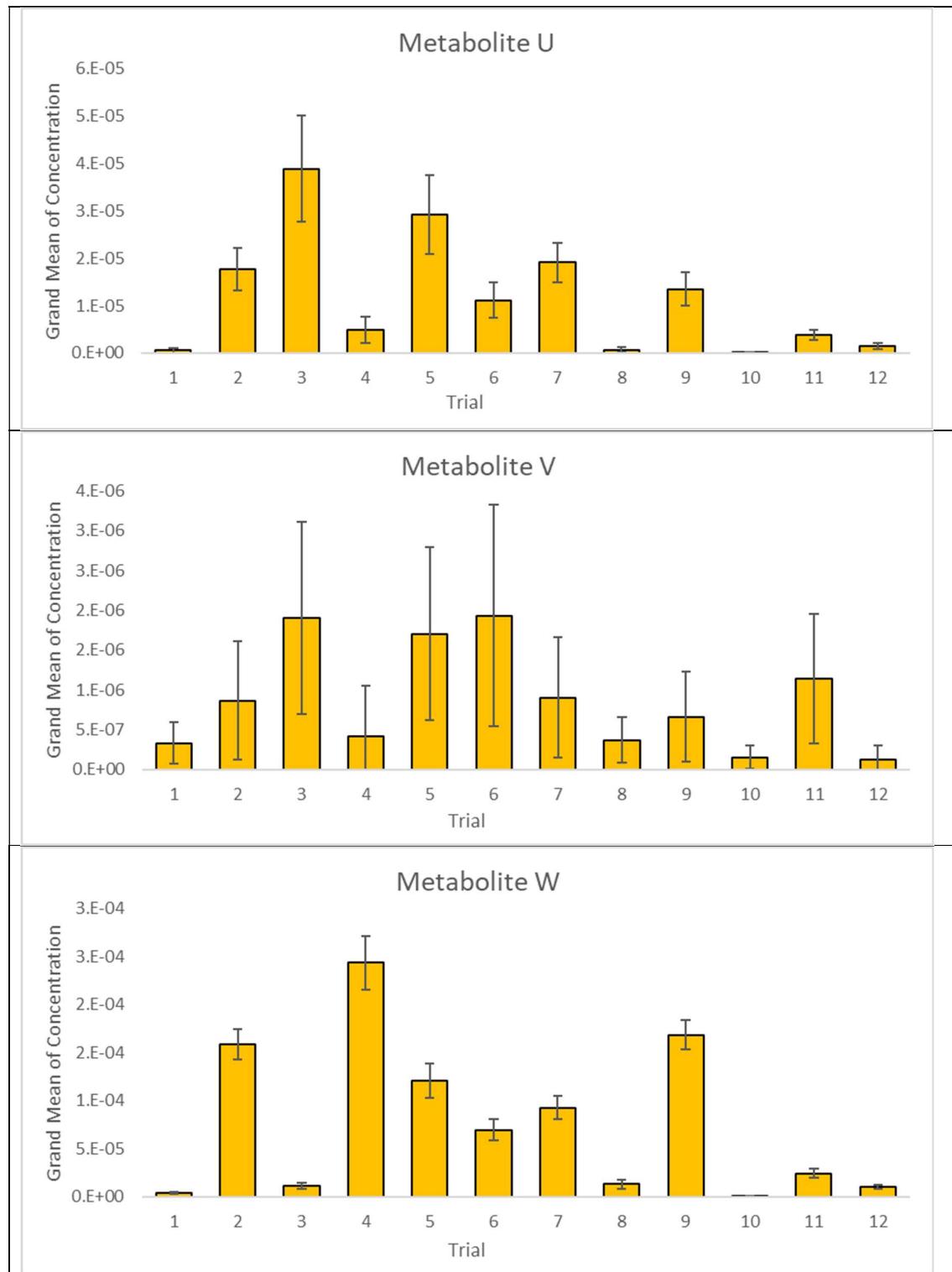


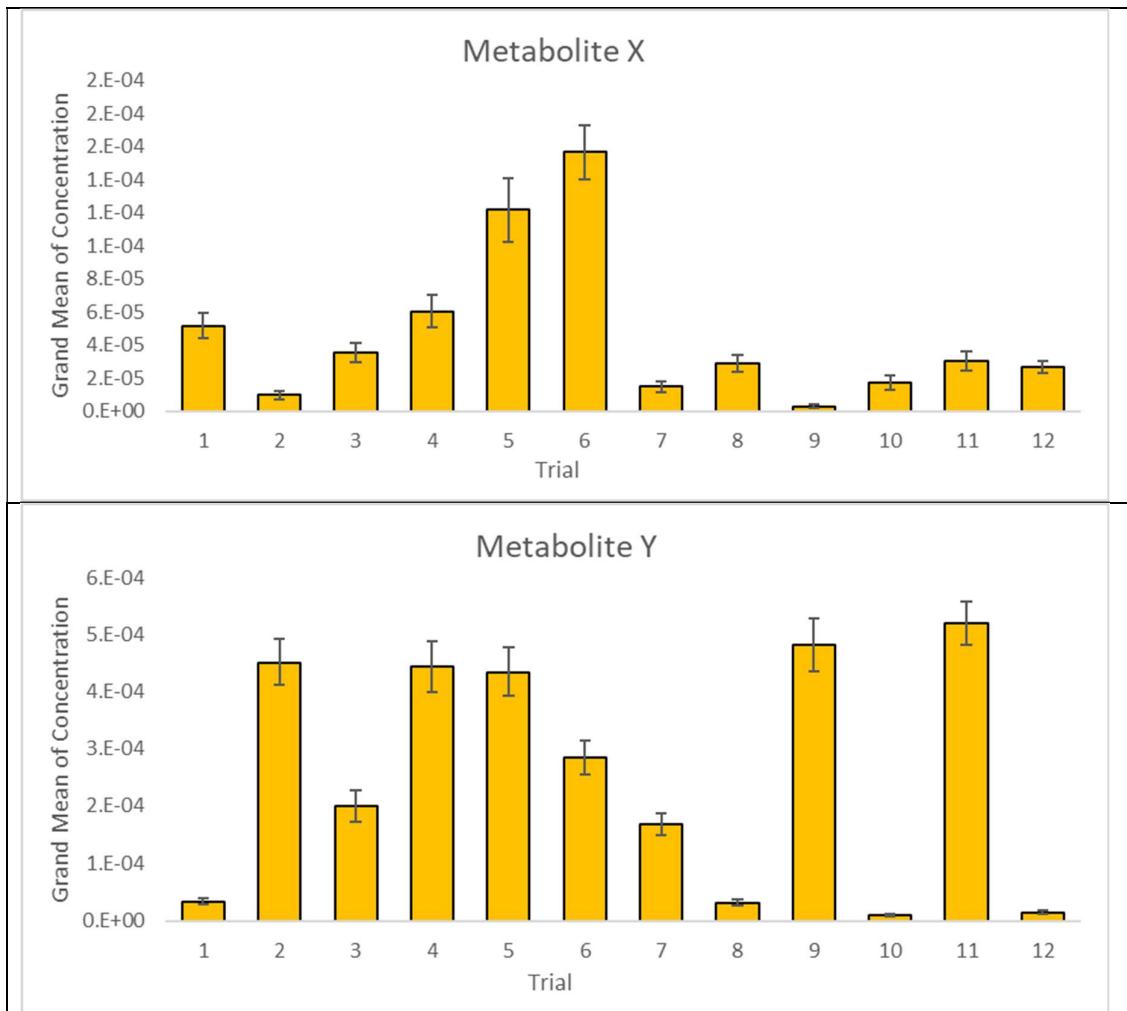




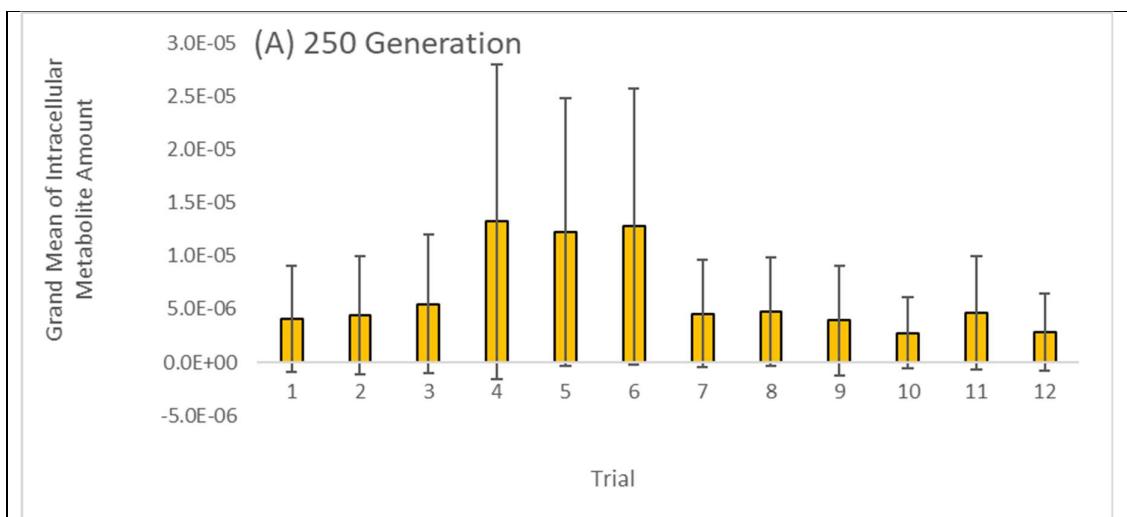


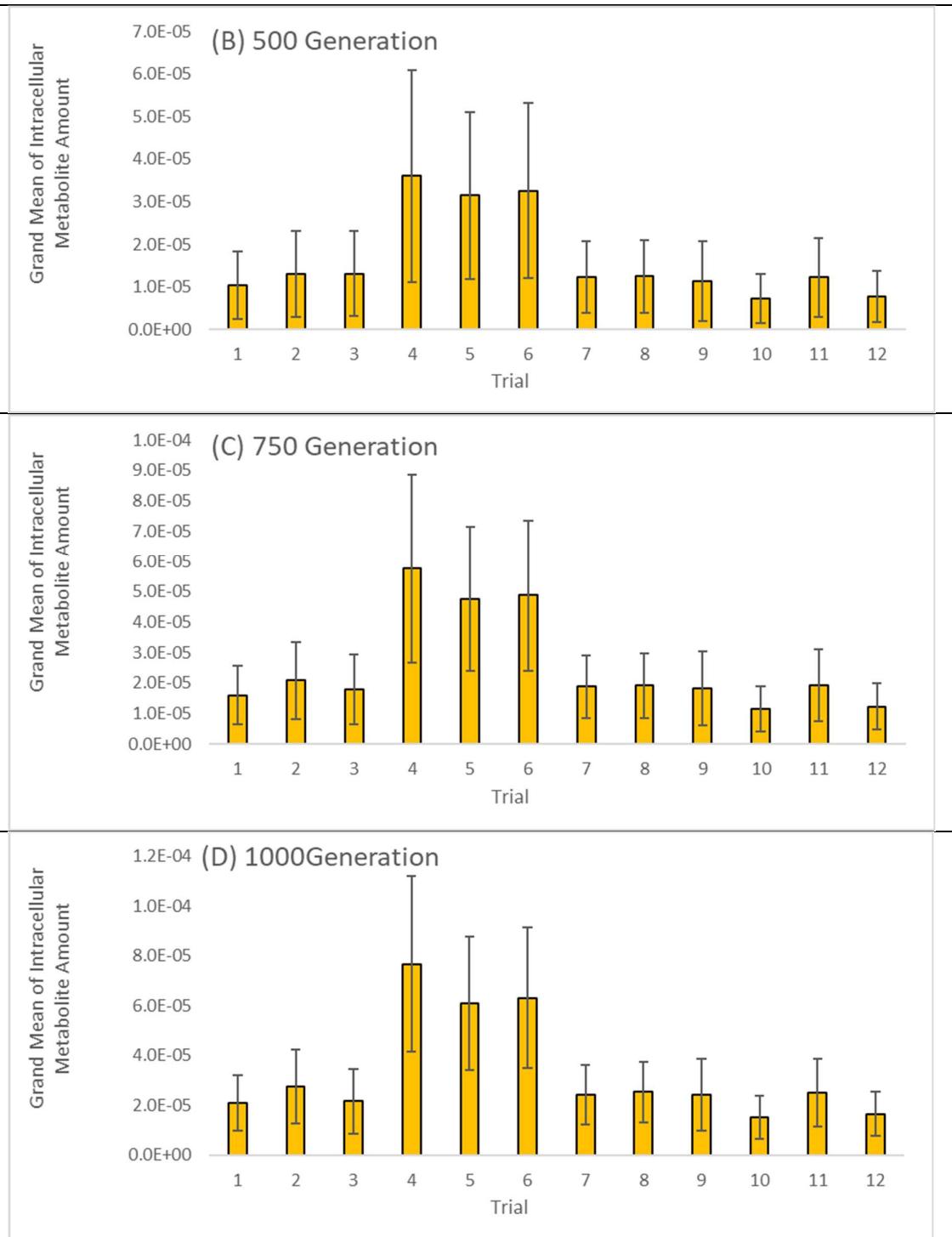


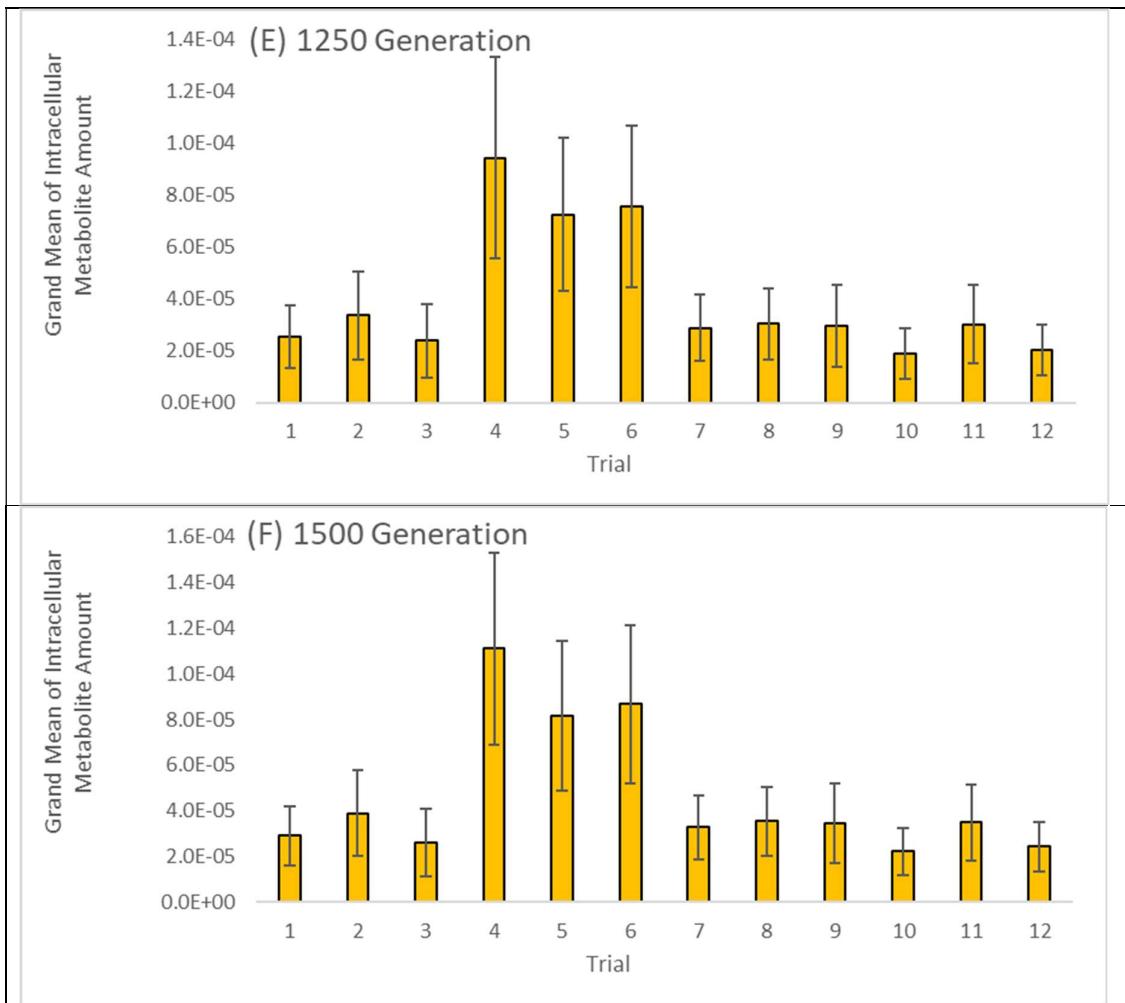




S21. Grand Mean of Intracellular metabolite amount across different generations (250, 500, 750, 1000, 1250, 1500 Generations) for trials 1 to 12.







S22. Fitness frequency across different generations (250, 500, 750, 1000, 1250, 1500 Generations) for trials 1 to 12.

