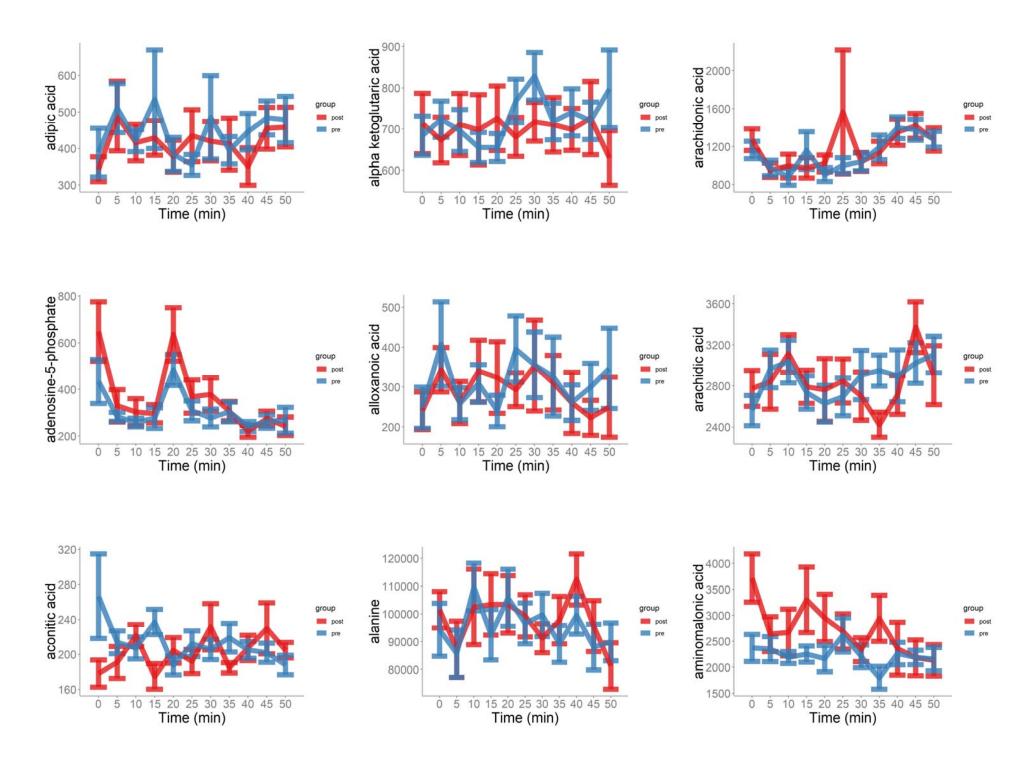
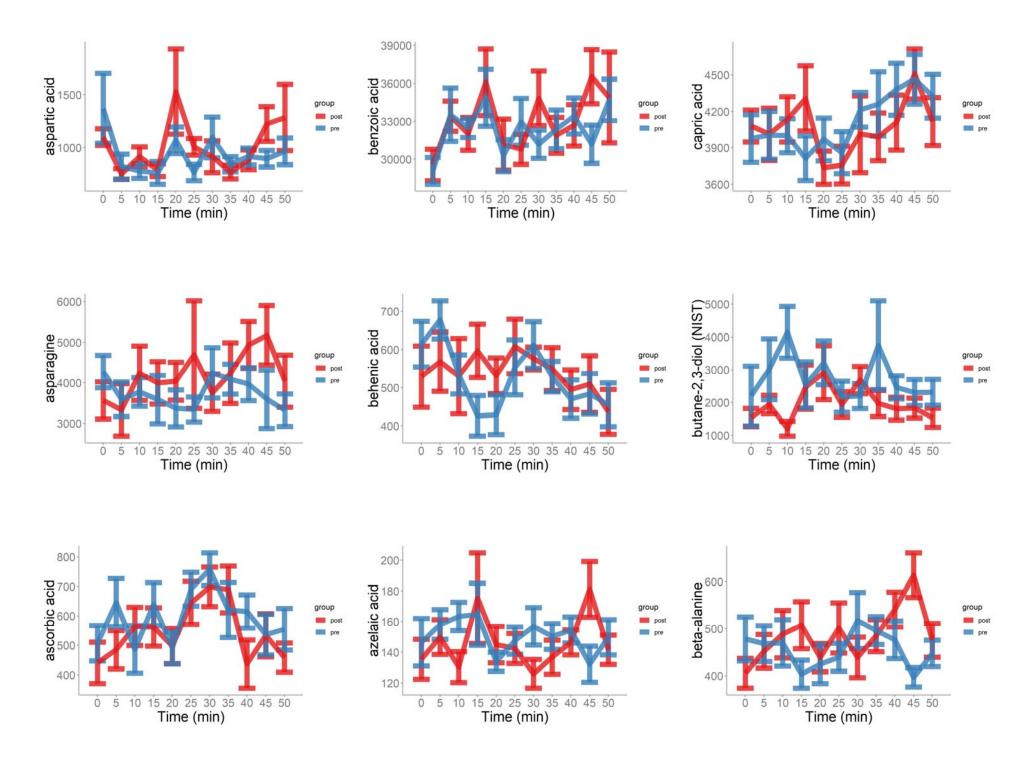
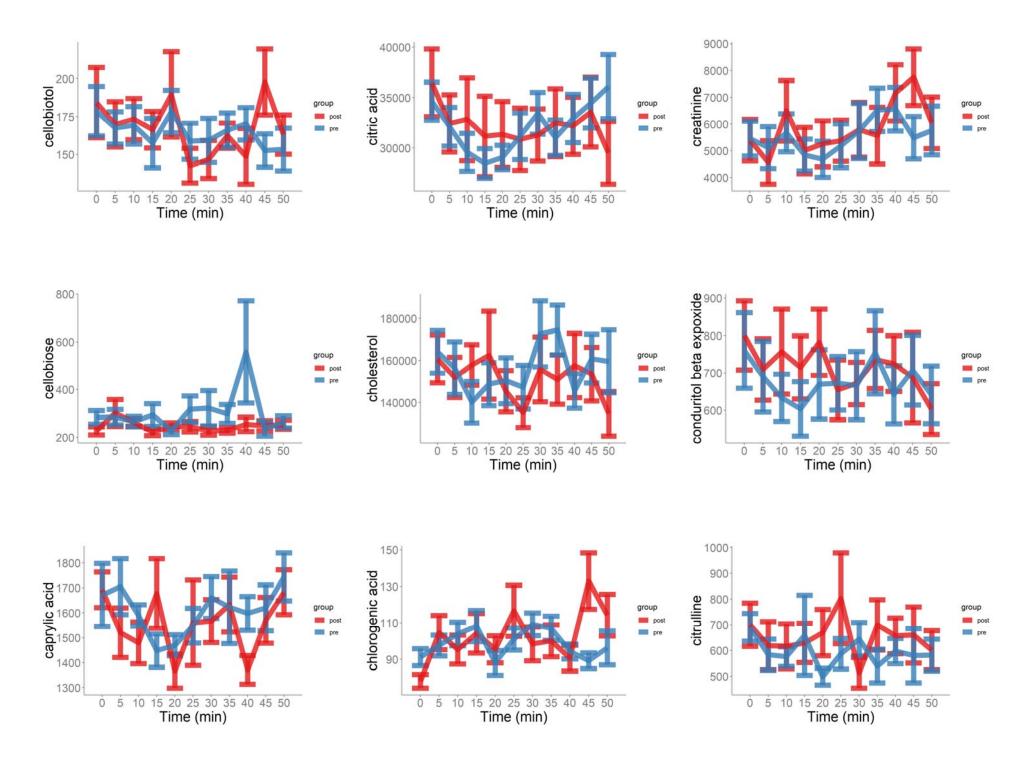
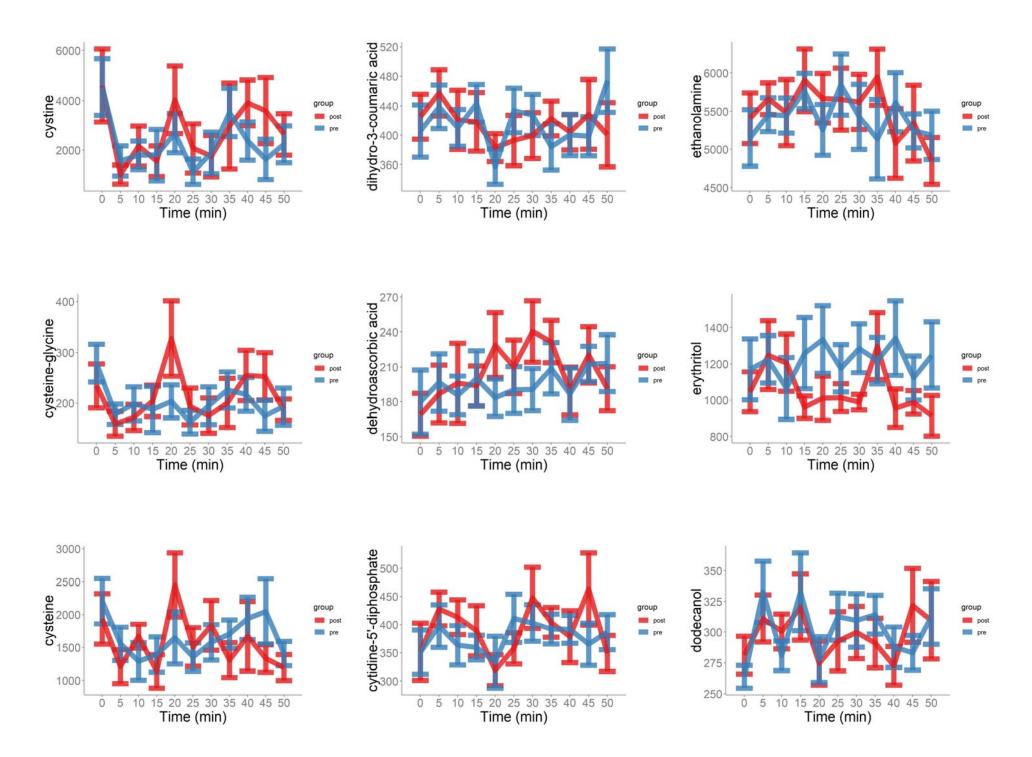
Supporting Materials 1A (Grapov et al.)— Individual annotated metabolite concentration excursions during 30 min. fixed-workload exercise (ergonomic cycle) and 20 min. recovery in adult obese, sedentary, insulin-resistant women, before (pre-, n=15) and after (post-, n=12) a ~ 14 week weight loss and fitness regimen that significantly improved metabolic health. Concentrations are derived from metabolomics analysis and depicted here as means \pm SEM based on quantifier peak ion heights.

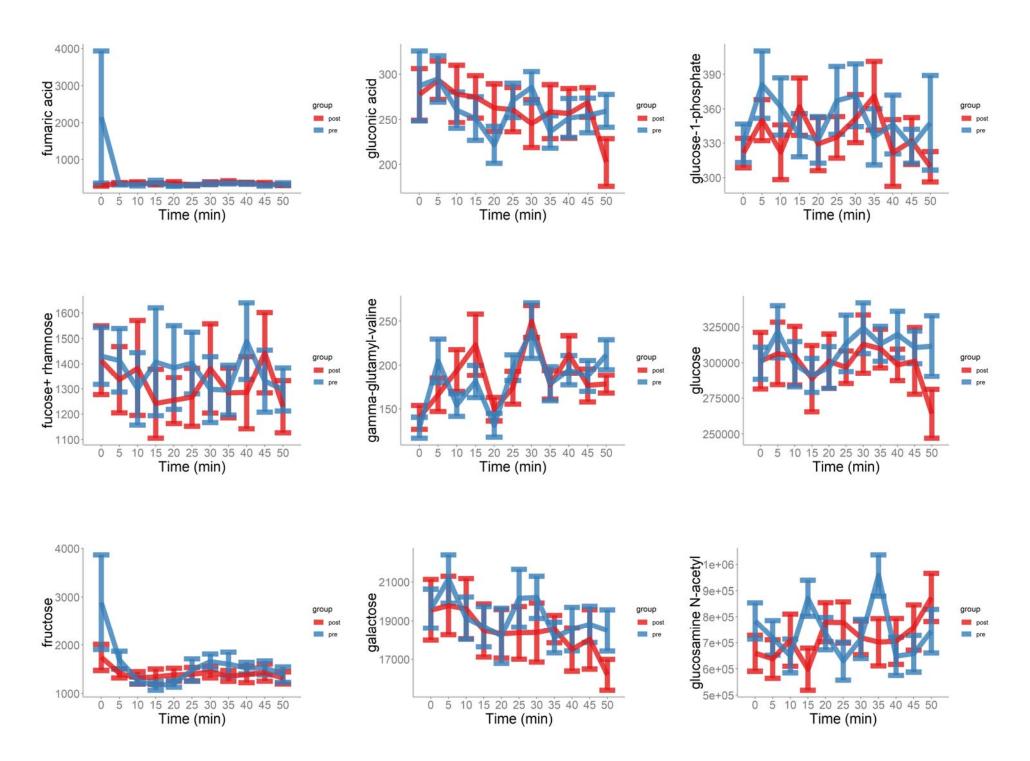
Supporting Materials 1B (Grapov et al.)— NOTE: THIS SET OF FIGURES WITH A SINGLE SOLID LINE TRACKING EXCURSIONS OF INDIVIDUAL METABOLITES FOLLOWS THE 1A FIGURES THAT HAVE 2 LINES (BLUE AND RED). Individual annotated metabolite concentration excursions during 30 min. fixed-workload exercise (ergonomic cycle) and 20 min. recovery in adult obese, sedentary, insulin-resistant women, using data combined from before and after a ~14 week weight loss and fitness regimen. Residuals were used from linear model for intervention (intervention-adjusted) over the measured time points (see Methods in the main paper). Concentrations are semi-quantitative and derived from metabolomics analysis and depicted here as means ± SEM based on quantifier peak ion heights.

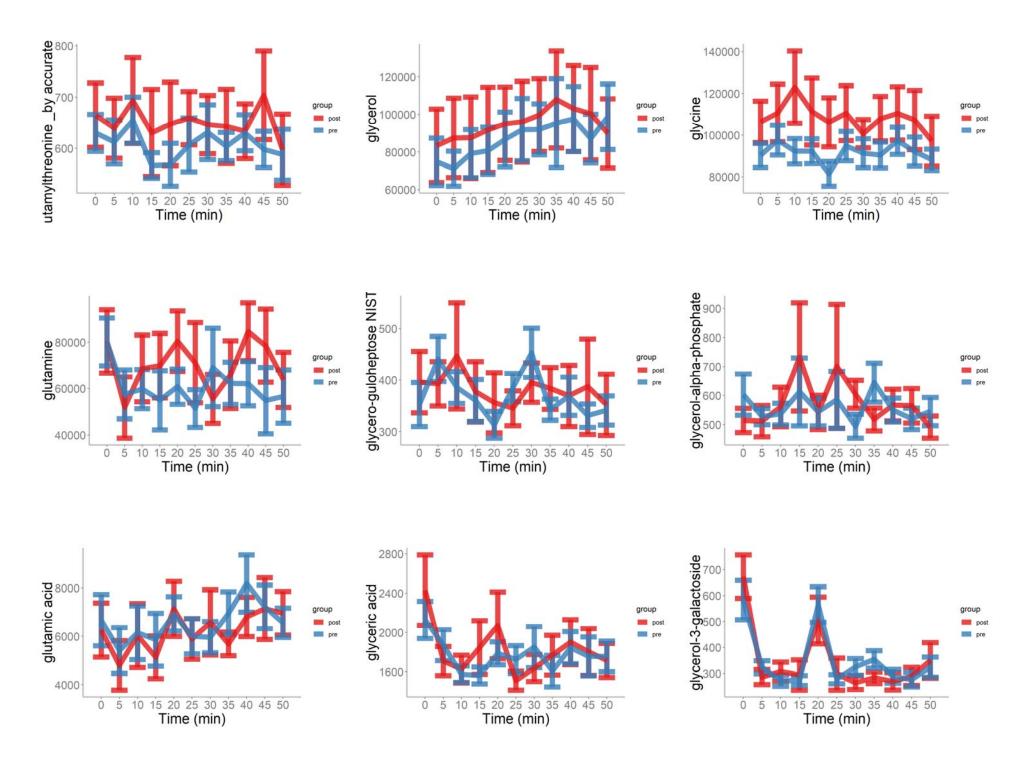


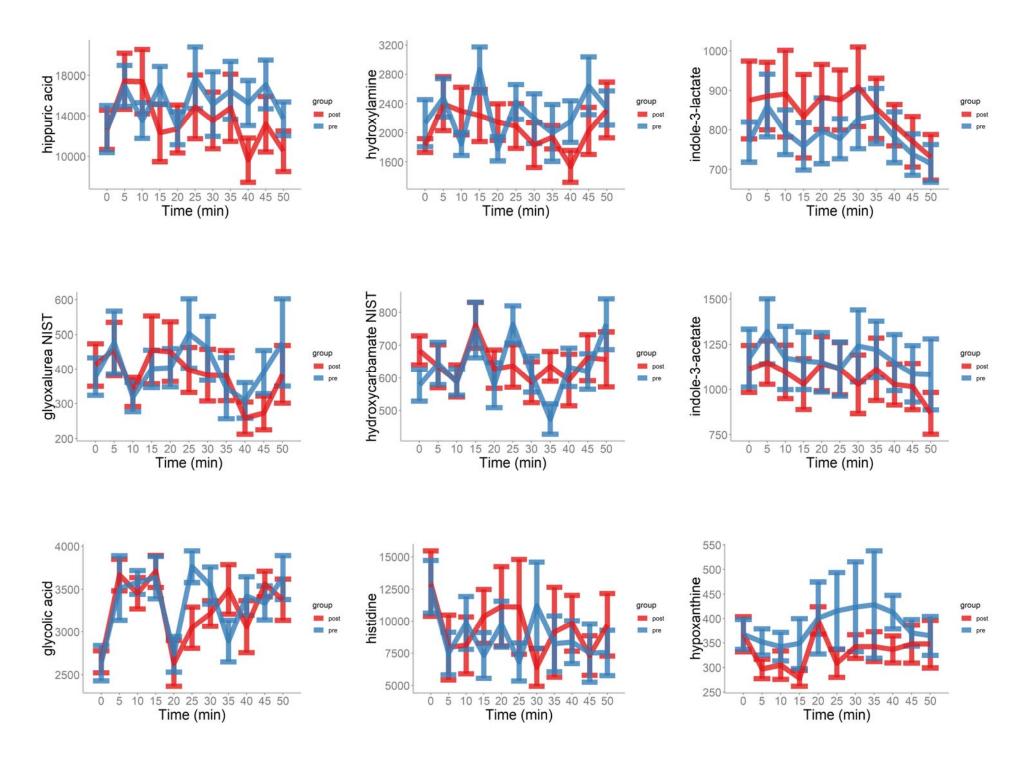


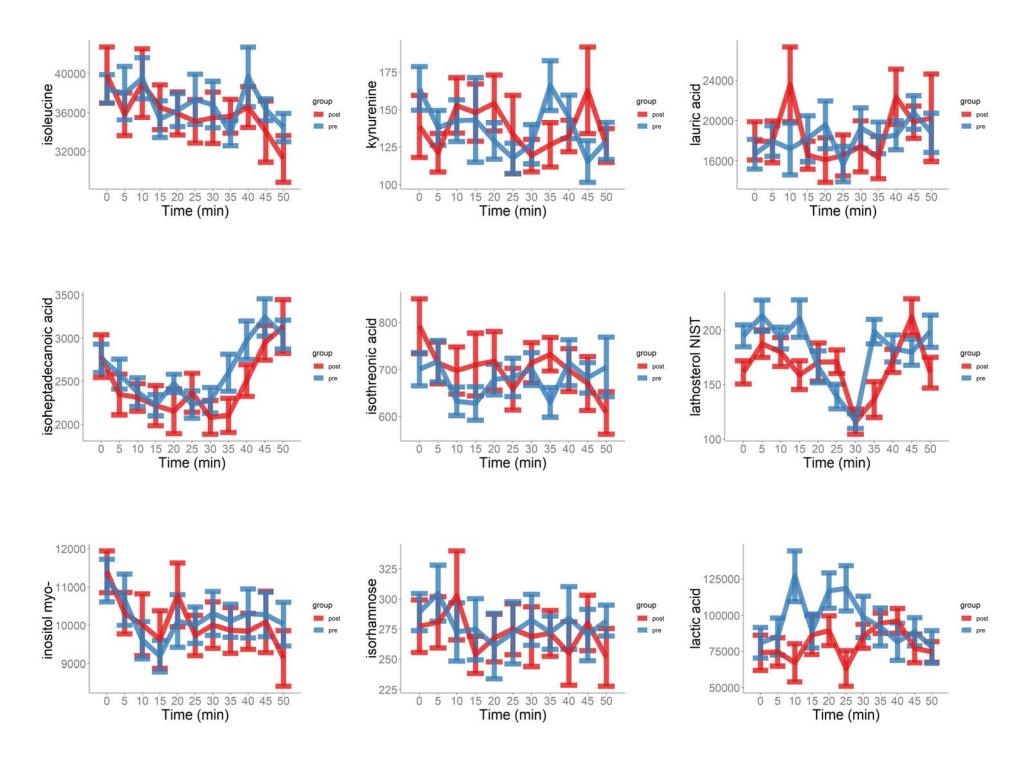


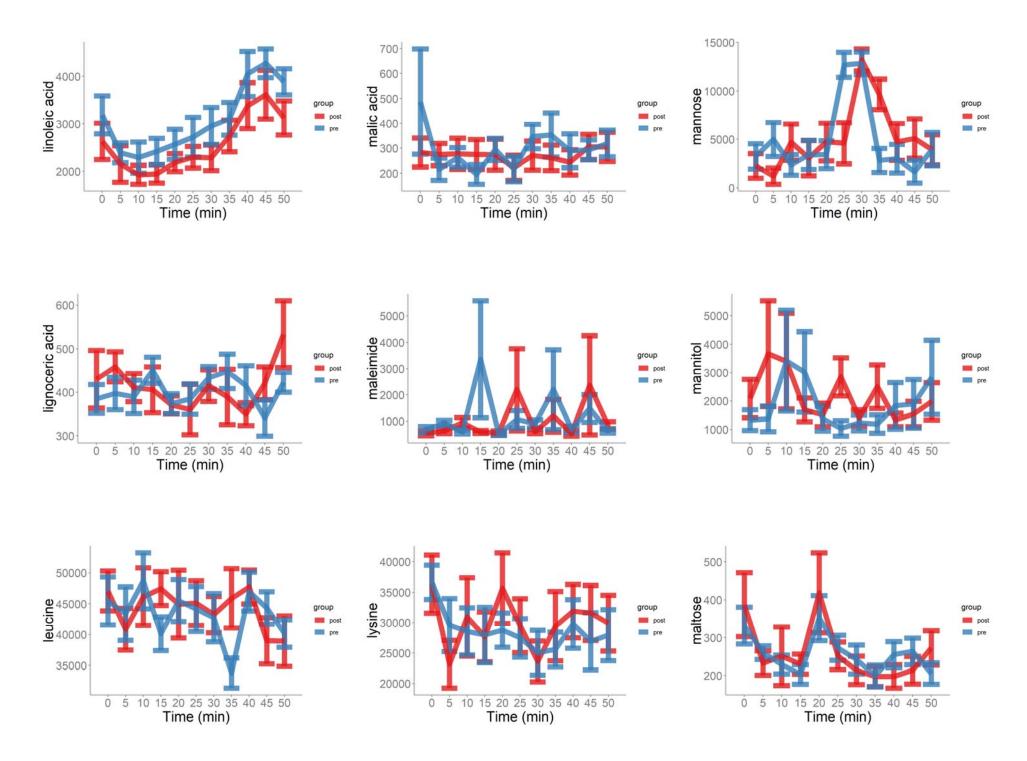


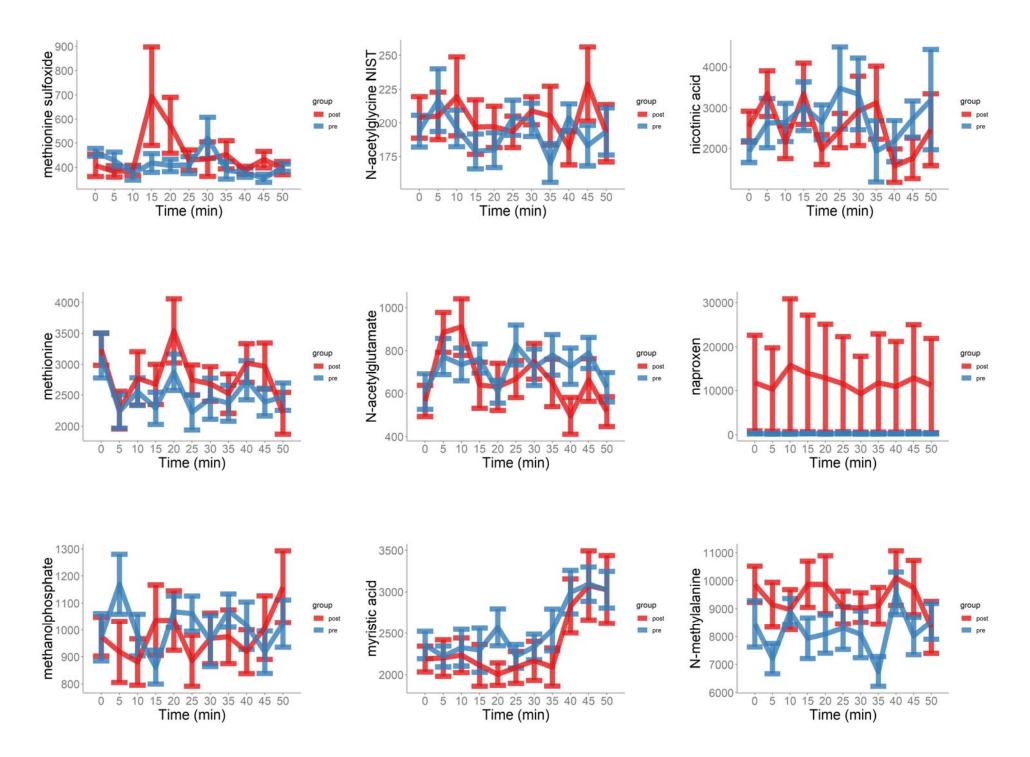


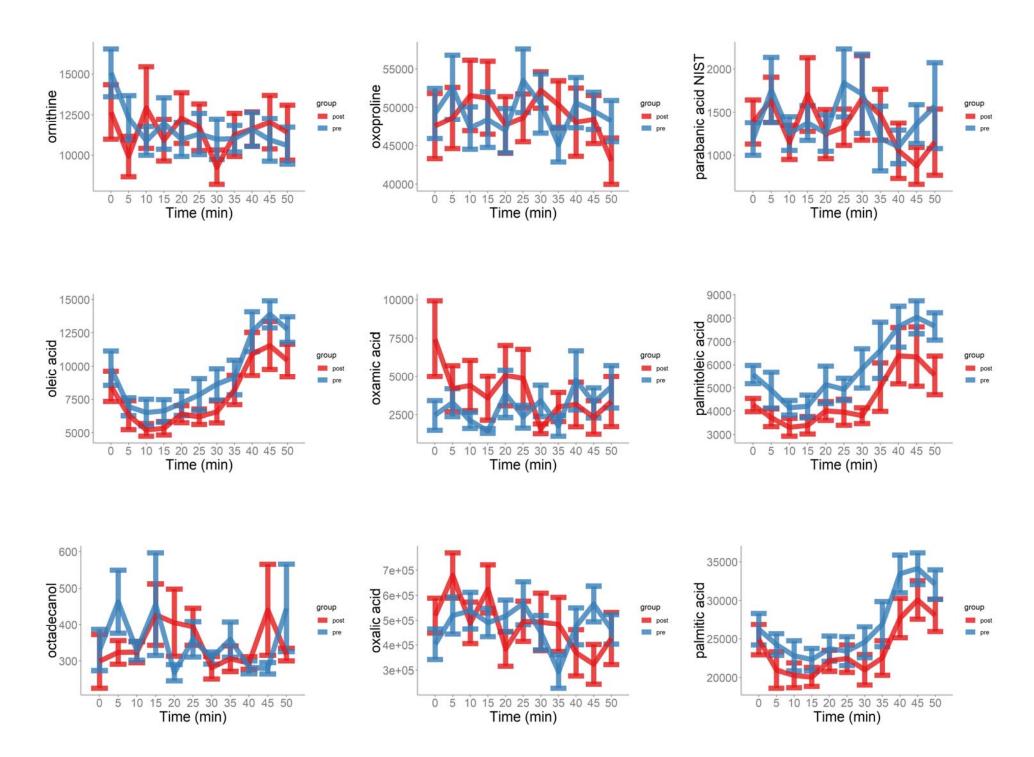


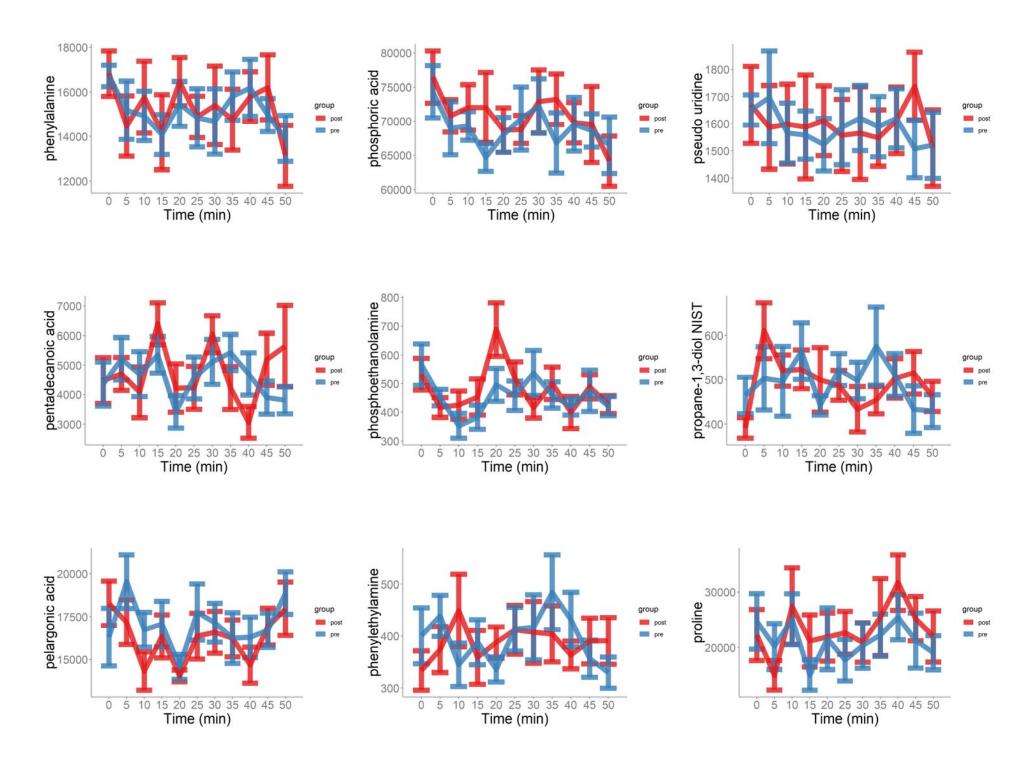


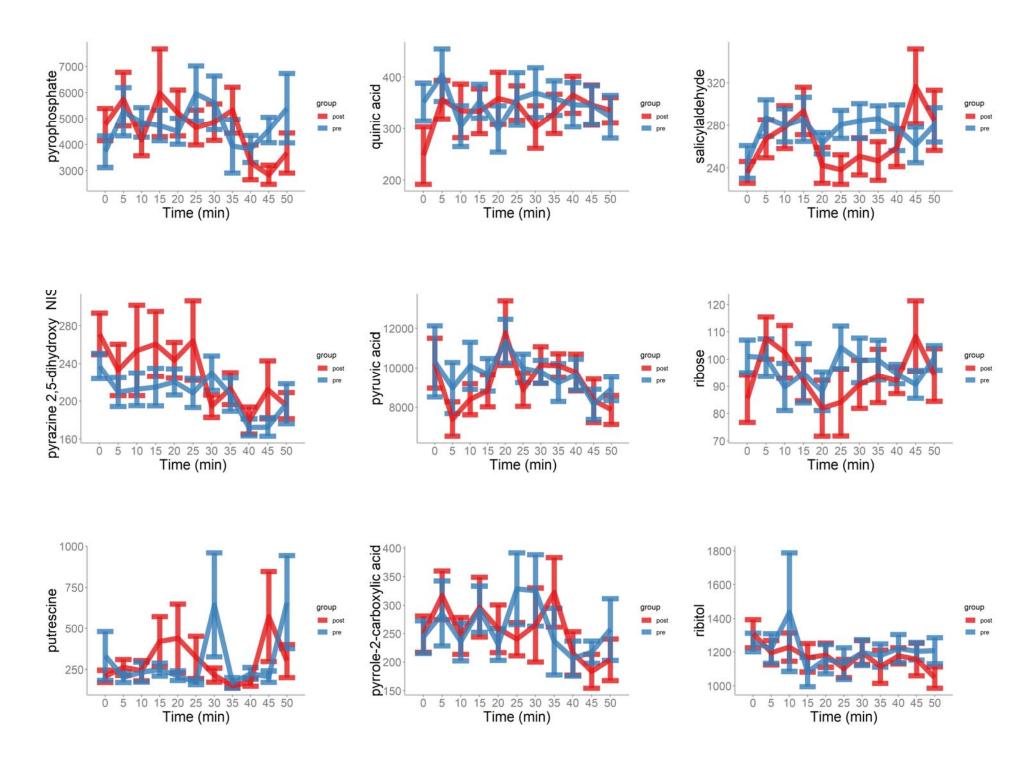


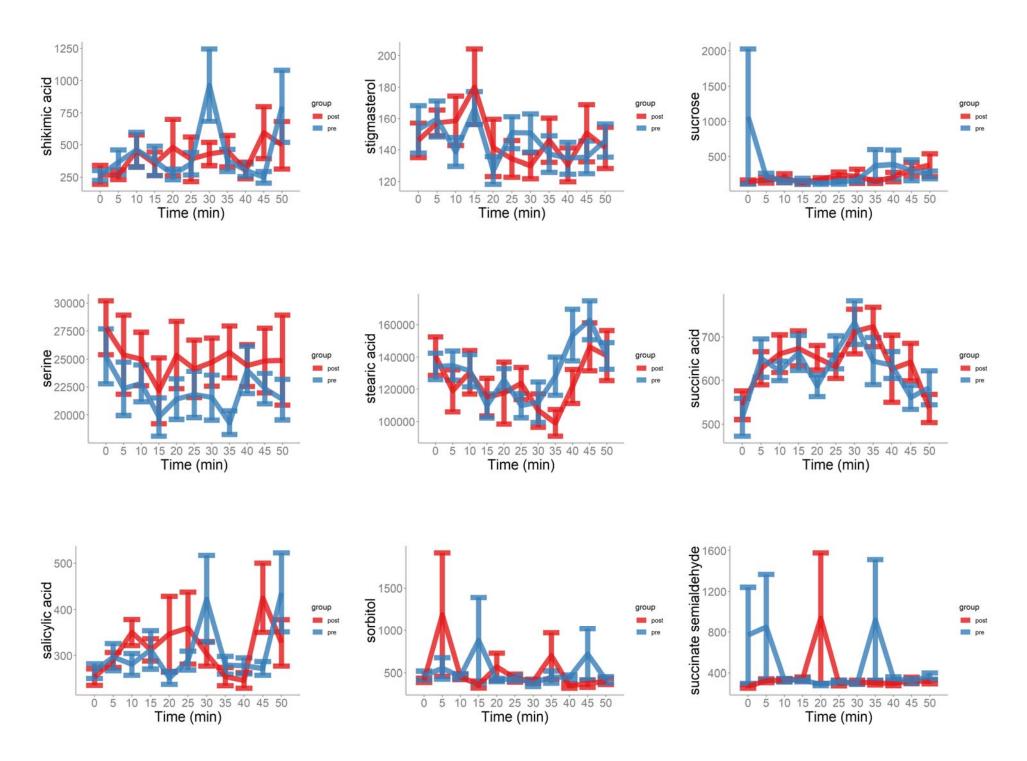


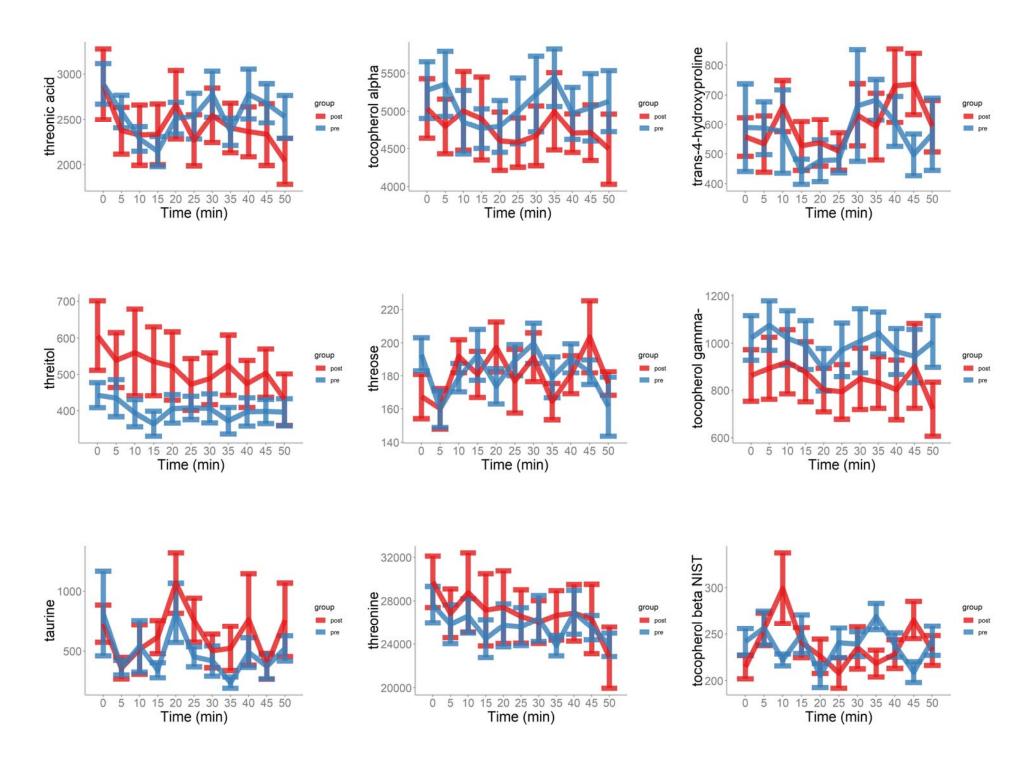


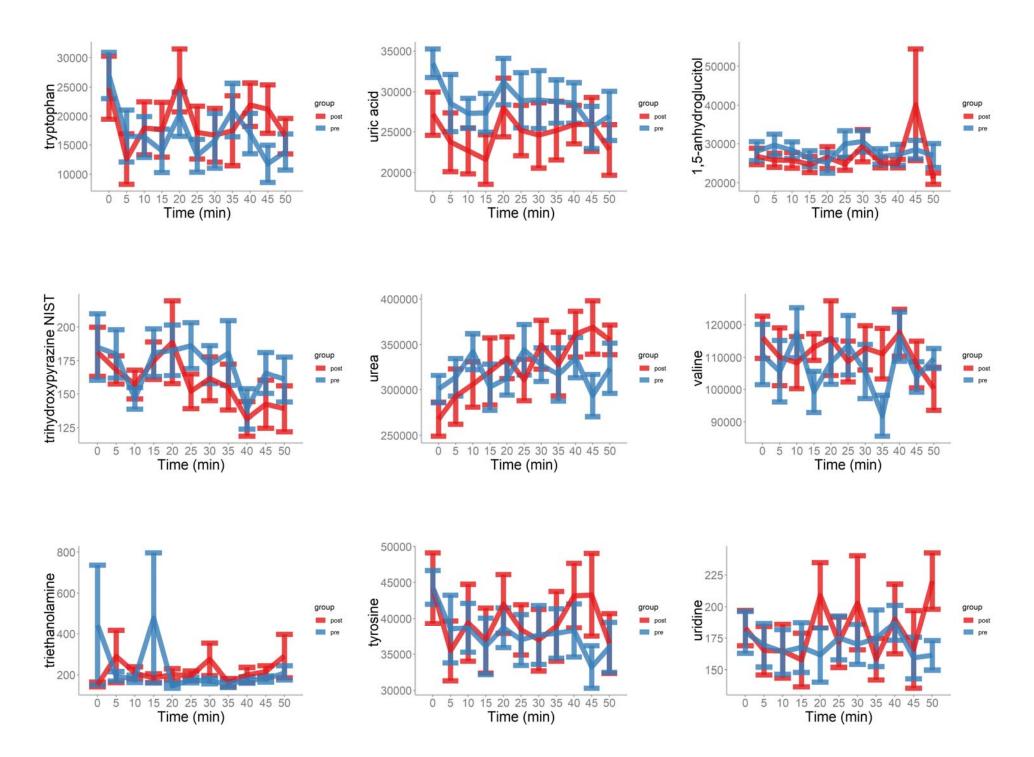


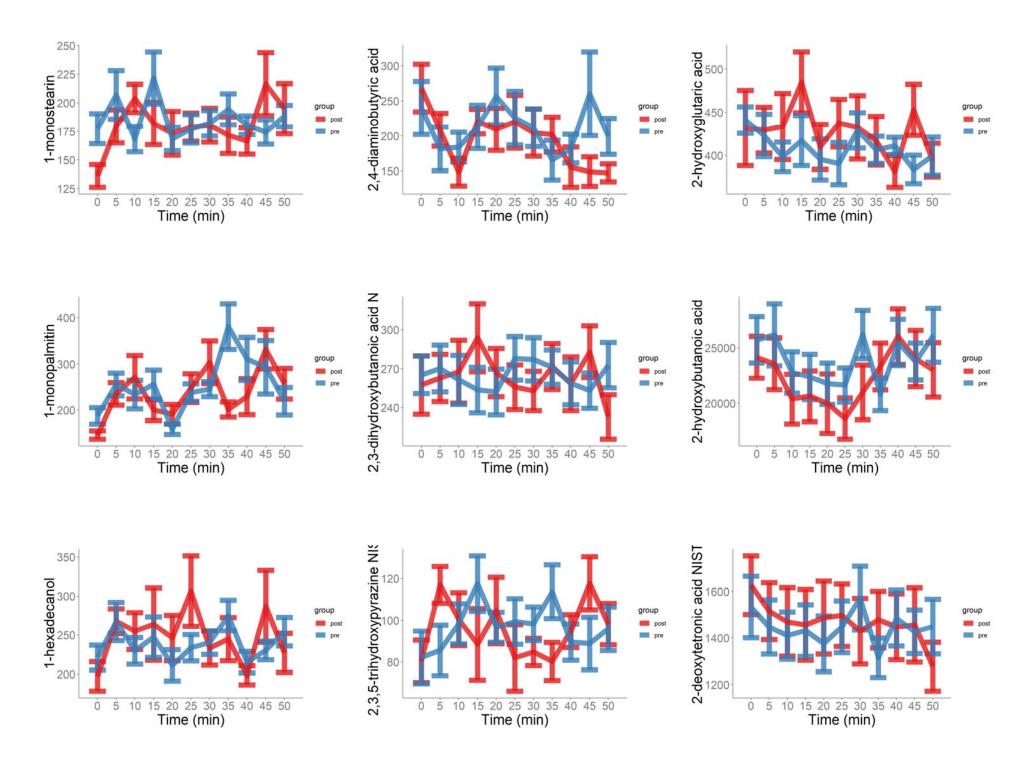


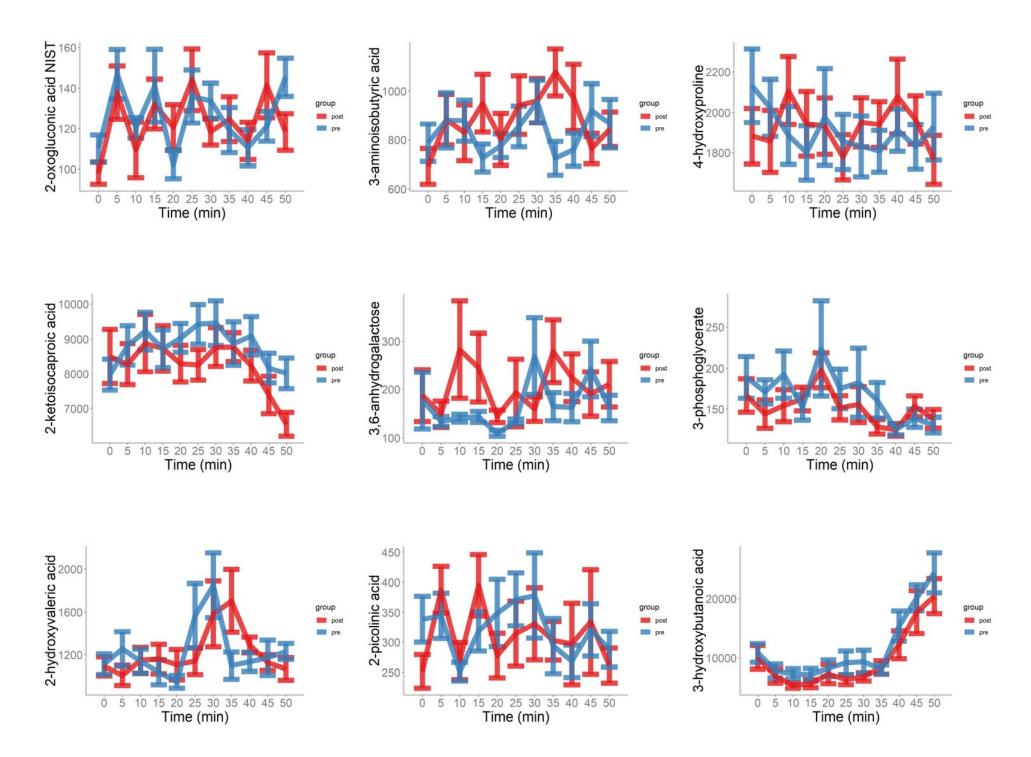


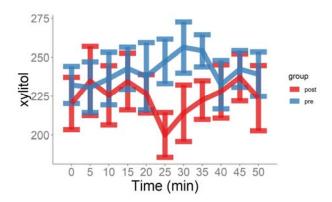


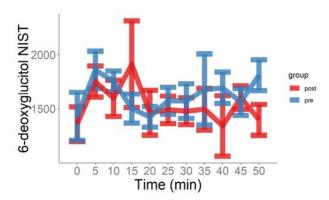


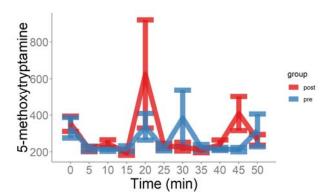












Supporting Materials 1B (Grapov et al.)— Individual annotated metabolite concentration excursions during 30 min. fixed-workload exercise (ergonomic cycle) and 20 min. recovery in adult obese, sedentary, insulin-resistant women, using data combined from before and after a ~14 week weight loss and fitness regimen that significantly improved metabolic health. Residuals were used from linear model for intervention (intervention-adjusted) over the measured time points (see Methods in the main paper). Concentrations are semi-quantitative and derived from metabolomics analysis and depicted here as means ± SEM based on quantifier peak ion heights.

