INTRODUCTION
The combined ability of the instrument in metabolome analysis is extremely powerful and therefore offers an opportunity to explore the full potential of metabolome-directed mass spectrometry.

Here we have demonstrated a true simultaneous dual column LCMS method can provide data in both reverse phase and normal phase while maintaining the increased turnaround and improved sensitivity. The ability to mix and match metabolites with serial dilutions will give us the opportunity to explore statistical analyses as well as absolute quantitation, our next project evaluation.

CONCLUSIONS
Here we have demonstrated that a simultaneous dual columns CML method can provide data in both reverse phase and normal phase while maintaining the increased turnaround and improved sensitivity. The ability to mix and match metabolites with serial dilutions will give us the opportunity to explore statistical analyses as well as absolute quantitation, our next project evaluation.

REFERENCES

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Table 1. Negative mode compounds with MRM transitions, dwell time, collision energies and retention times observed in the human serum sample. (L): peak in negative mode; (P): peak in positive mode.