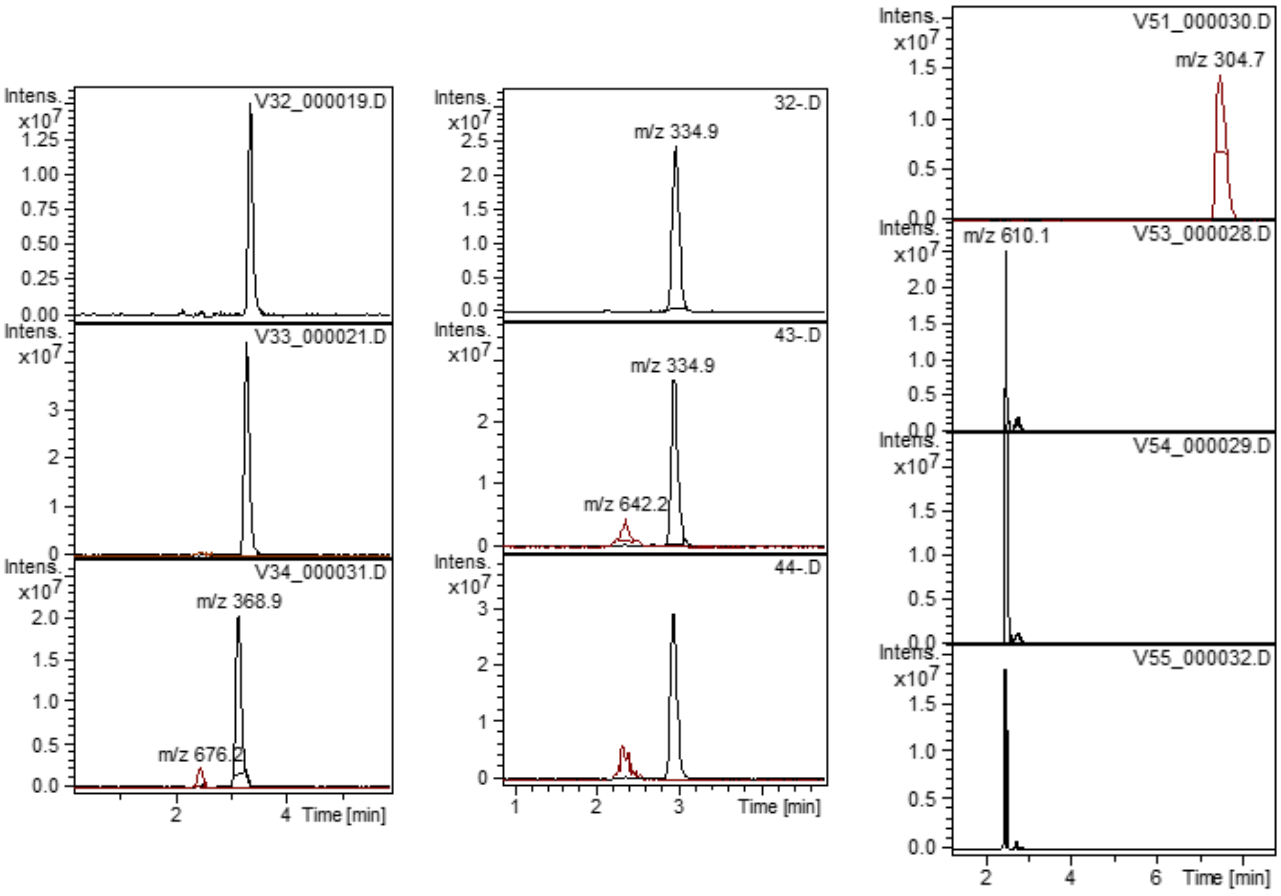
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A **B** **C**

Figure S1: LC-MS analysis (mass chromatogram) of test compound adduct with GSH. (A) KAUS-12 mixed with GSH for 0 min (no GSH in reaction; top panel), 60 min (second panel) and 180 min (last panel). (B) KAUS-15 mixed with GSH for 0 min (no GSH in reaction; top panel), 60 min (second panel) and 180 min (last panel). (C) ECA mixed with GSH for 0 min (no GSH in reaction; top panel), 60 min (second panel), 180 min (third panel), and 60 sec (last panel).

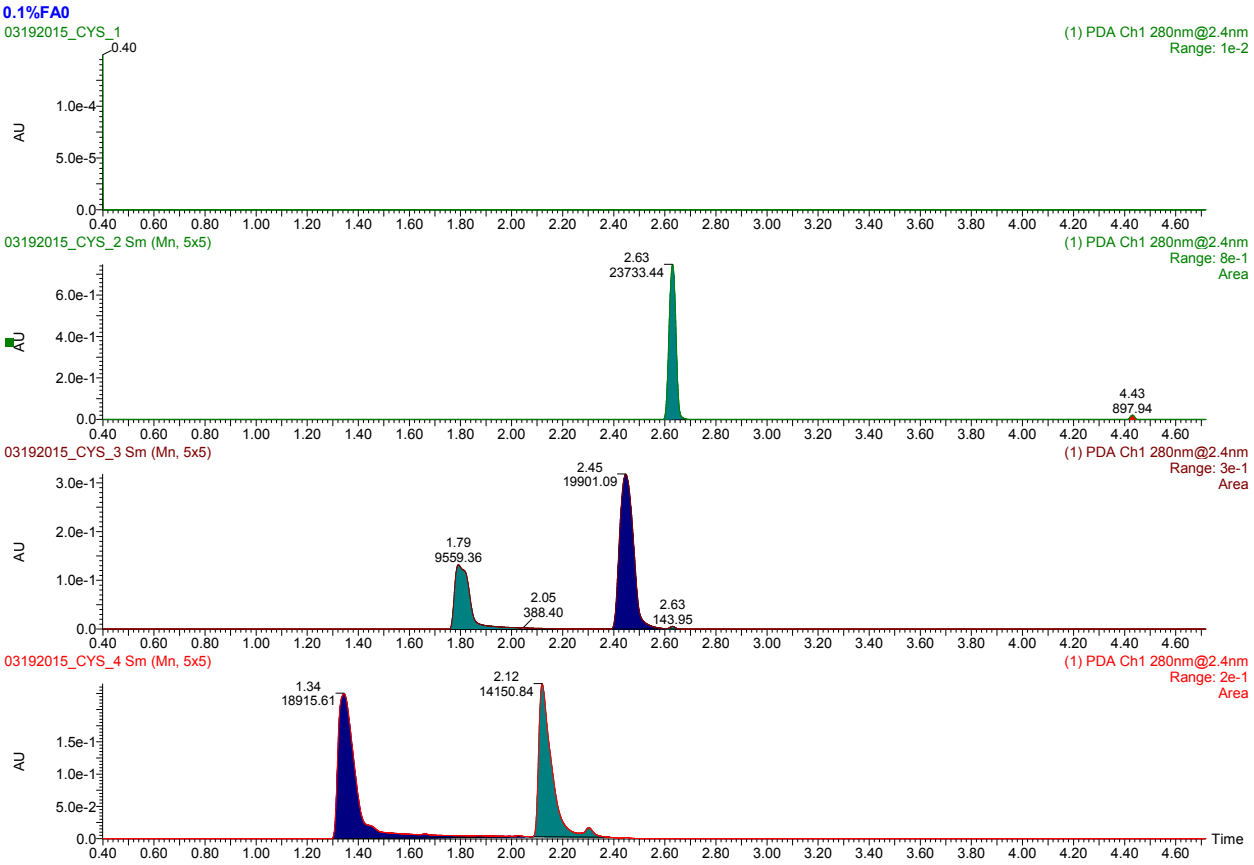


Figure S2: UPLC-MS analysis (UV chromatogram) of test compound adduct with L-Cys. Top Panel: Absence of test compound. Second Panel: ECA mixed with L-Cys for 3 hrs. Third Panel: KAUS-12 mixed with L-Cys for 3 hrs. Last Panel: KAUS-15 mixed with L-Cys for 3 hrs.

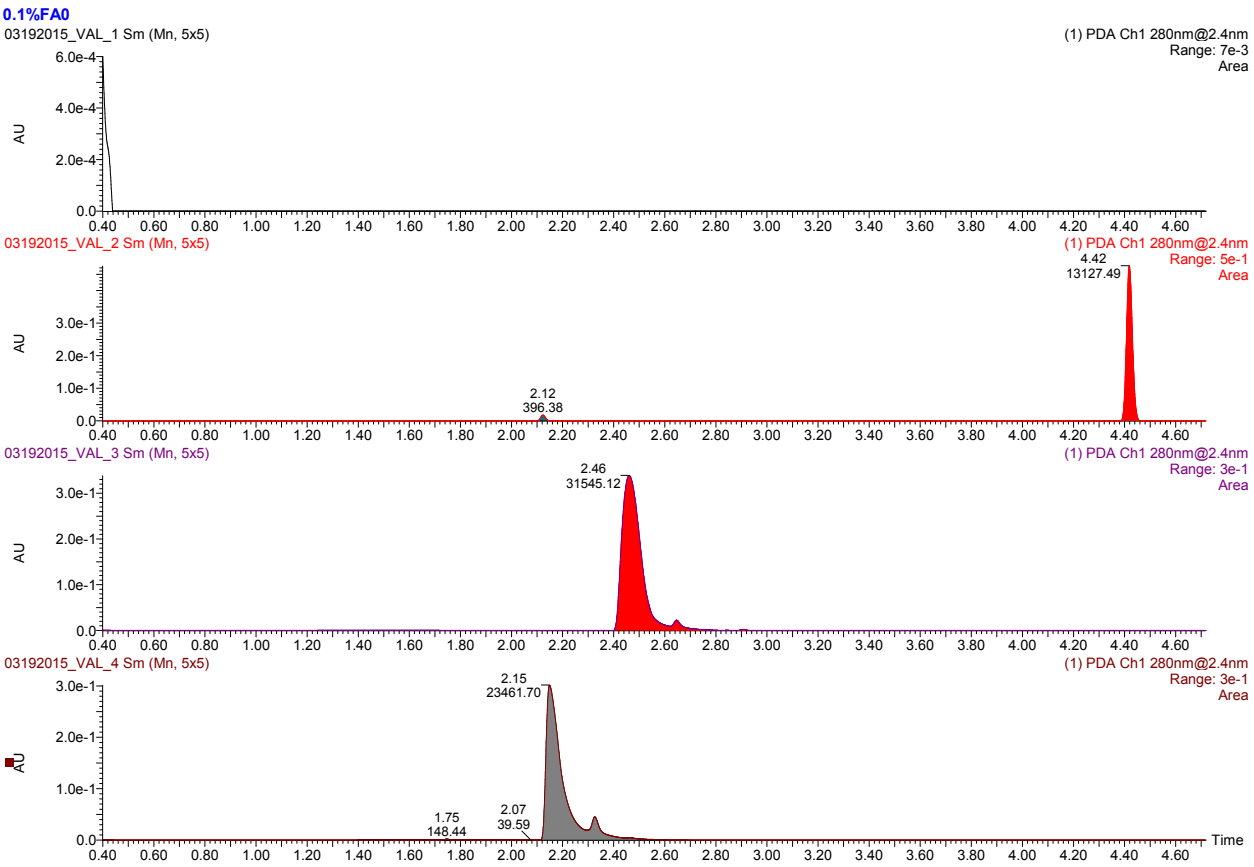


Figure S3: UPLC-MS analysis (UV chromatogram) of test compound adduct with L-Val. Top Panel: Absence of test compound. Second Panel: ECA mixed with L-Val for 3 hrs. Third Panel: KAUS-12 mixed with L-Val for 3 hrs. Last Panel: KAUS-15 mixed with L-Val for 3 hrs.

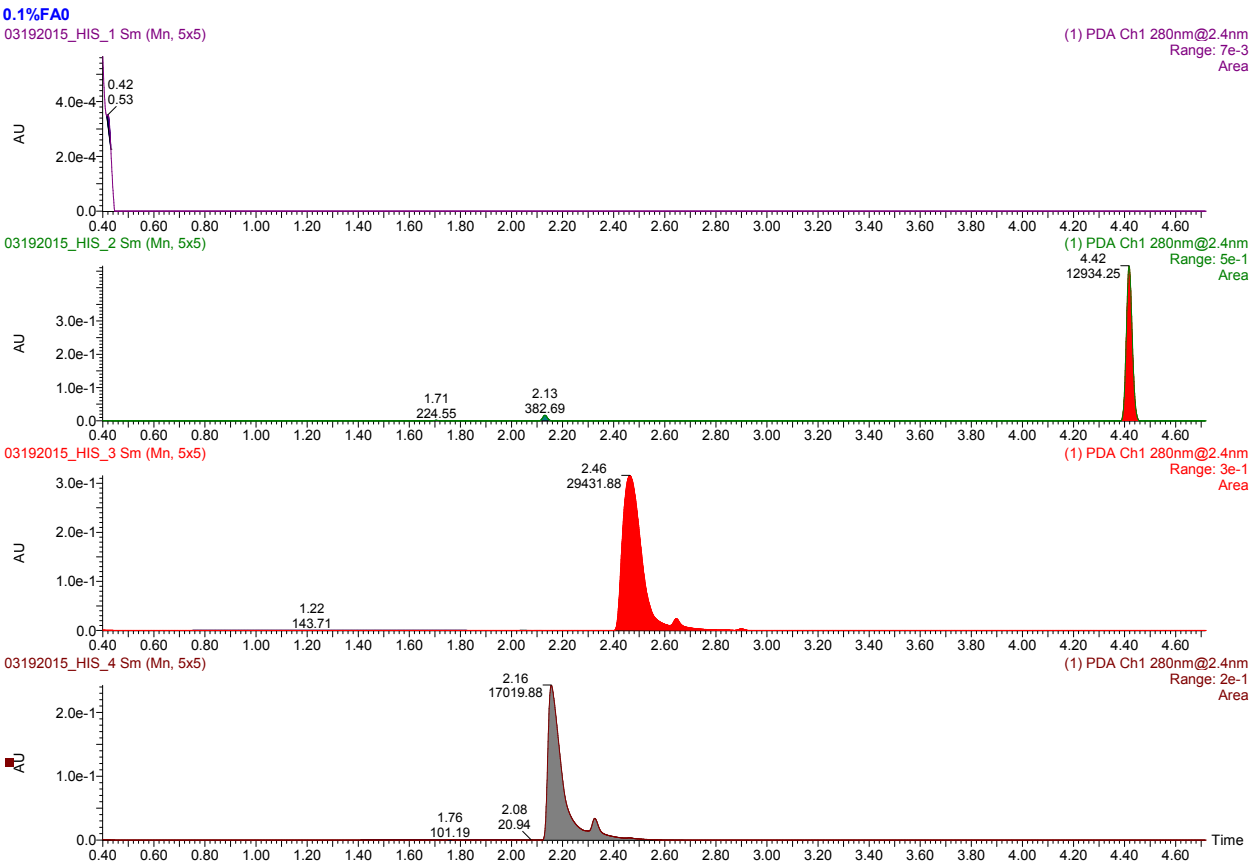


Figure S4: UPLC-MS analysis (UV chromatogram) of test compound adduct with L-His. Top Panel: Absence of test compound. Second Panel: ECA mixed with L-His for 3 hrs. Third Panel: KAUS-12 mixed with L-His for 3 hrs. Last Panel: KAUS-15 mixed with L-His for 3 hrs.

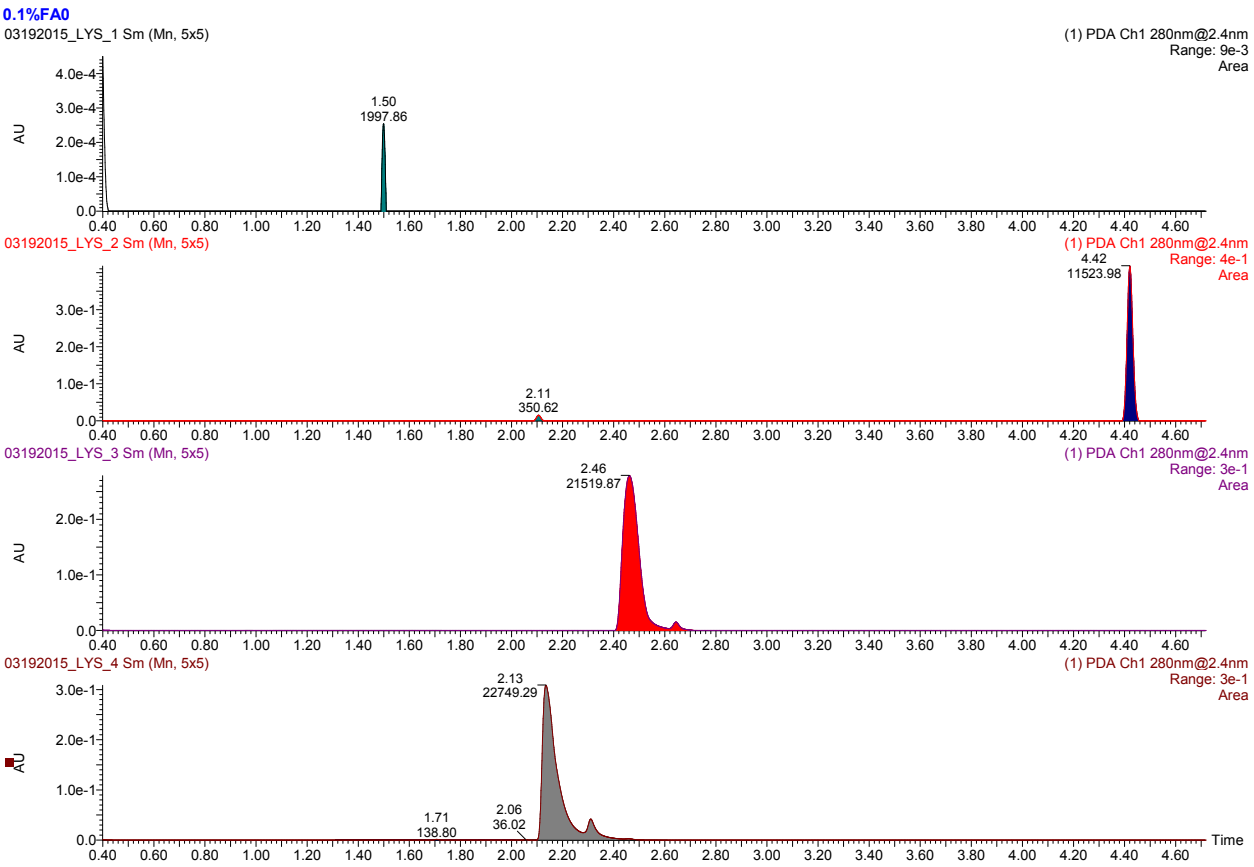


Figure S5: UPLC-MS analysis (UV chromatogram) of test compound adduct with L-Lys. Top Panel: Absence of test compound. Second Panel: ECA mixed with L-Lys for 3 hrs. Third Panel: KAUS-12 mixed with L-Lys for 3 hrs. Last Panel: KAUS-15 mixed with L-Lys for 3 hrs.