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## **Electronic supplementary information**

## Pyrrolizidine Alkaloids Quantified in Soil and Water using UPLC-MS/MS

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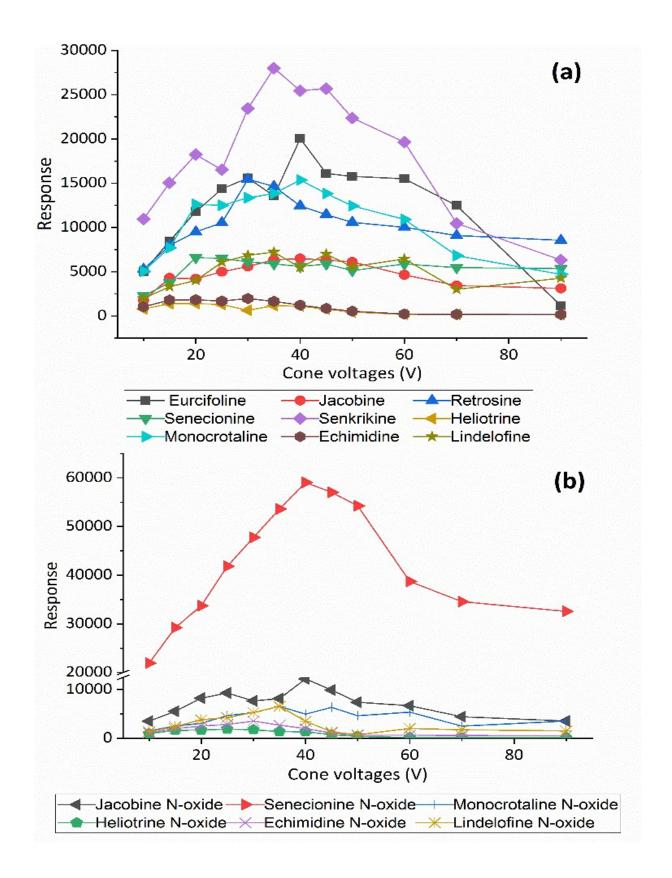


Fig. S1. The effect of different cone voltages, 10-90 V on the instrument response for (a) free PAs and (b) PANOs.

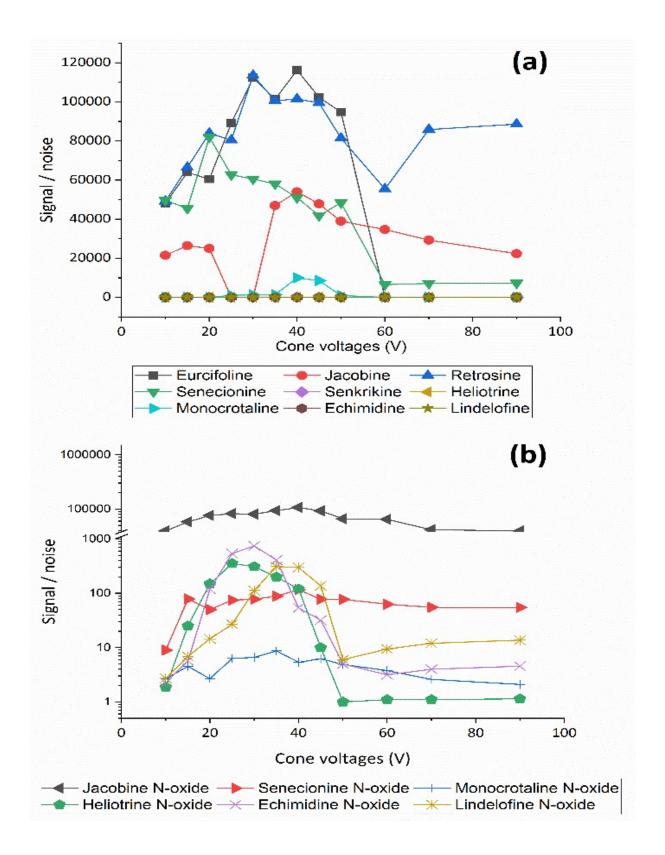


Fig. S2. The effect of different cone voltages, 10-90 V on the signal/noise ration for (a) free PAs and (b) PANOs.

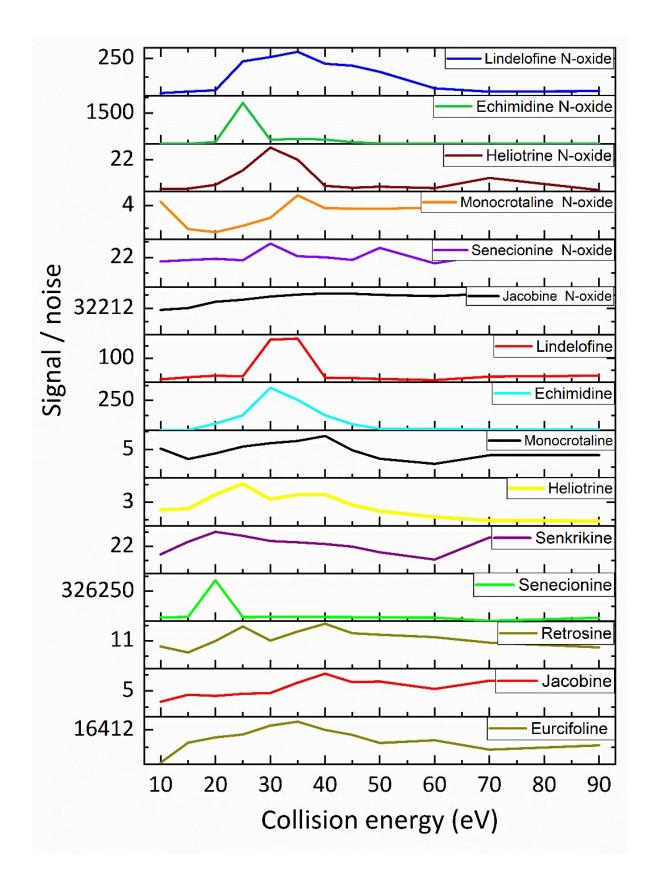


Fig. S3. The effect of different collision energies 10-90 eV on signal to noise for selected PAs.

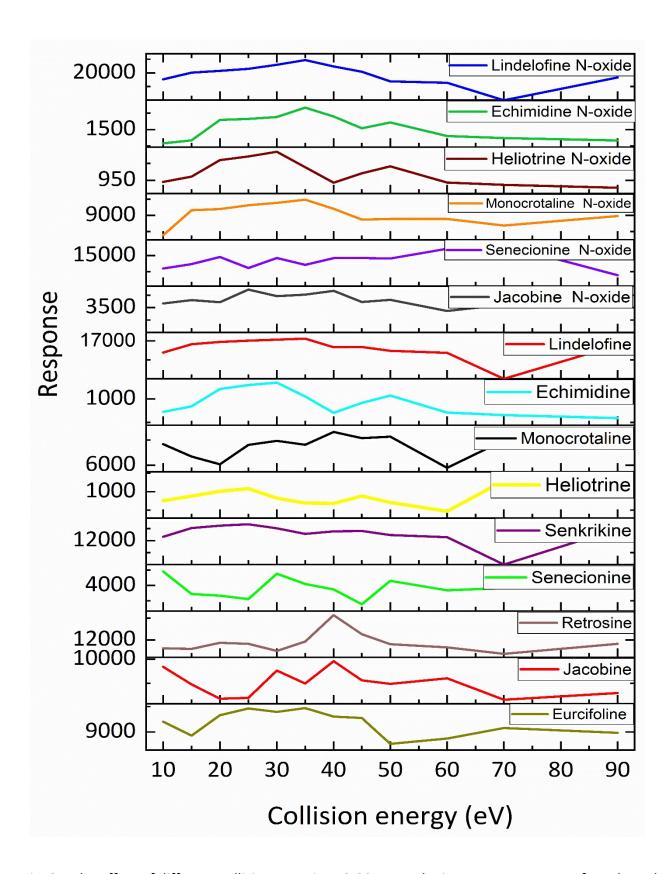


Fig. S4. The effect of different collision energies 10-90 eV on the instrument response for selected PAs.