

## Supporting Information

### Continuous flow amines formation from cascade reactions of nitriles and carbonyl containing compounds by simple Pt-modified titania catalyst

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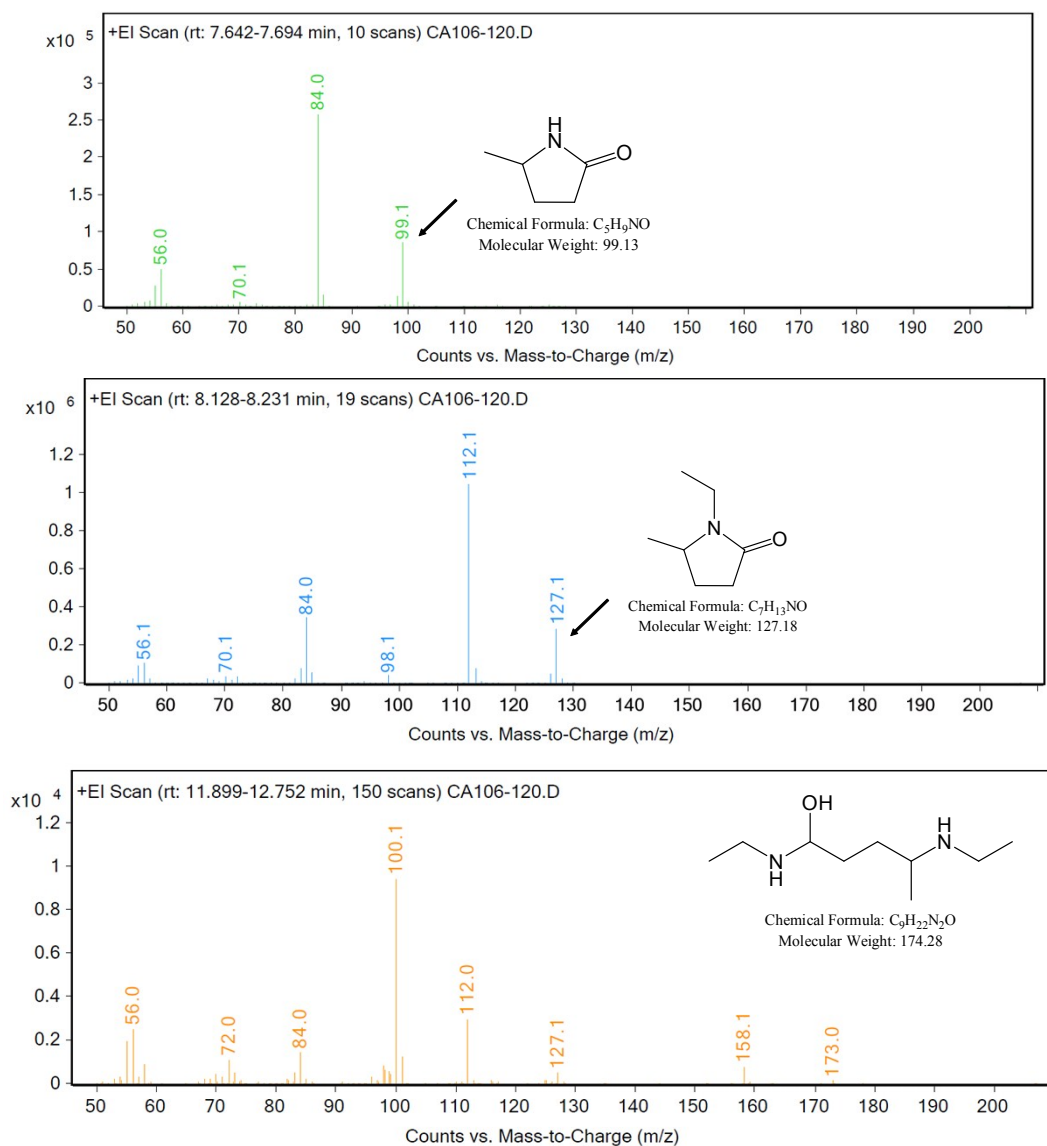


Figure S1. MS spectra of the obtained products in the continuous flow reaction of levulinic acid with acetonitrile.

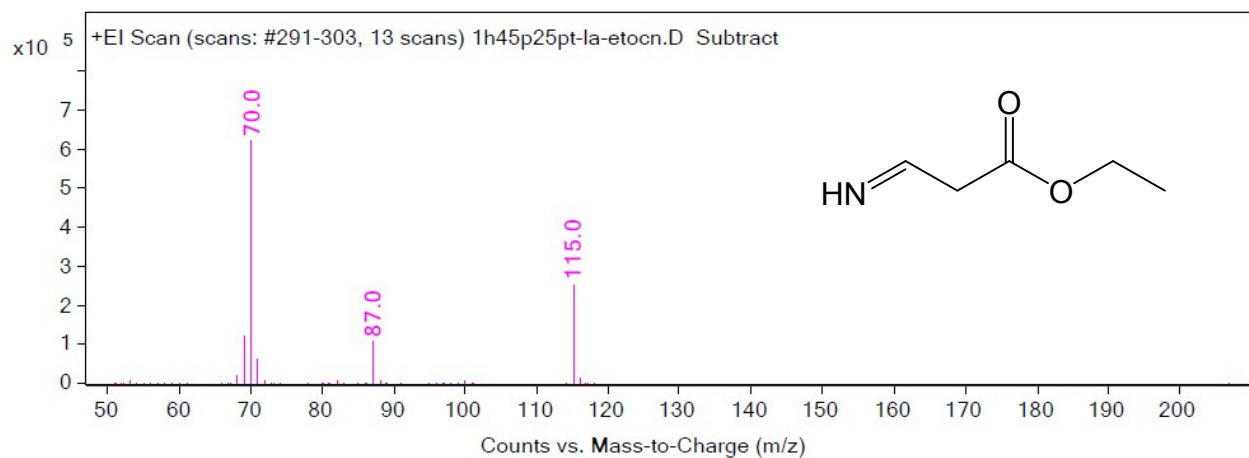
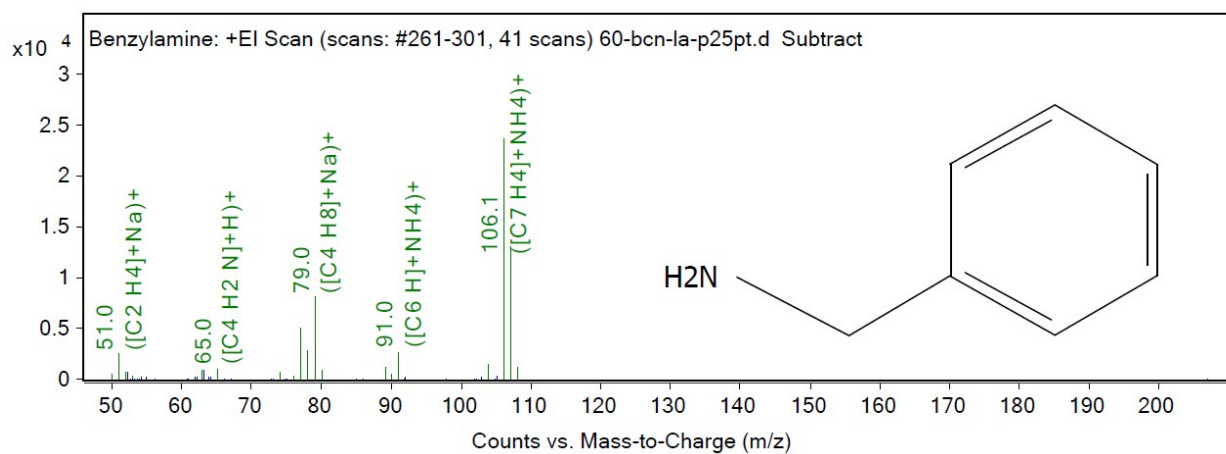


Figure S2. MS spectra of the reduced products of benzonitrile and ethylcyanoacetate.

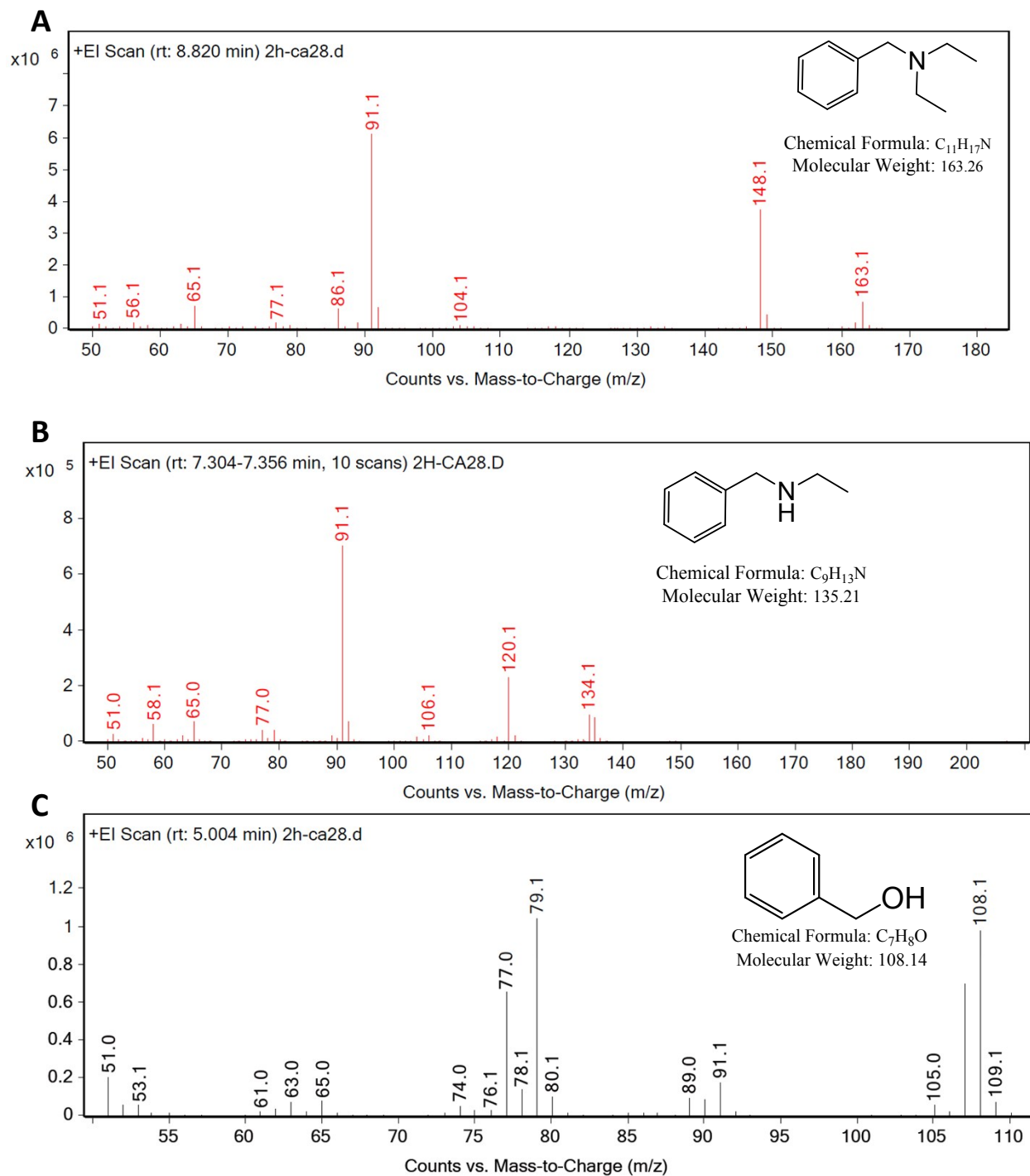


Figure S3. MS spectra of the obtained products in the continuous flow reaction of benzaldehyde with acetonitrile.

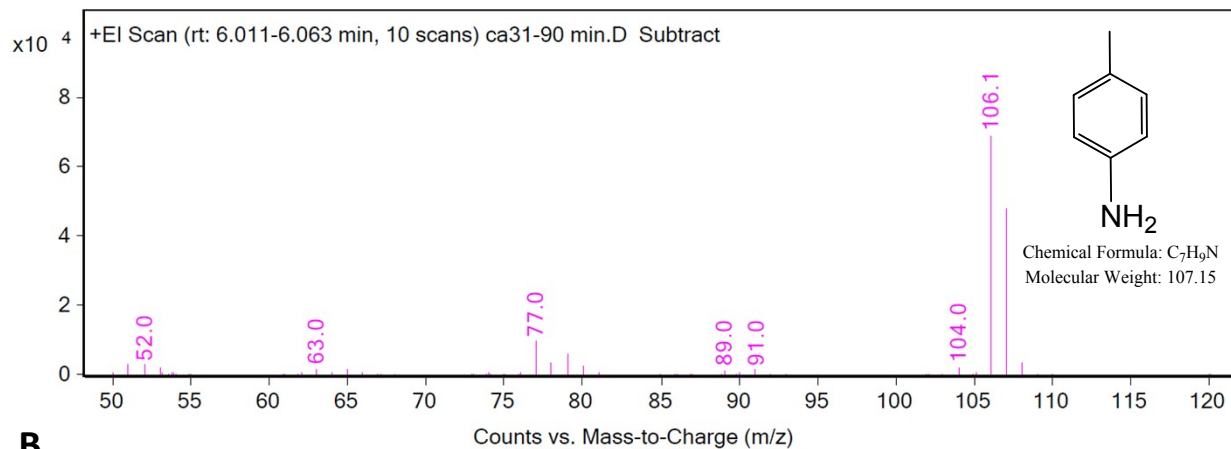
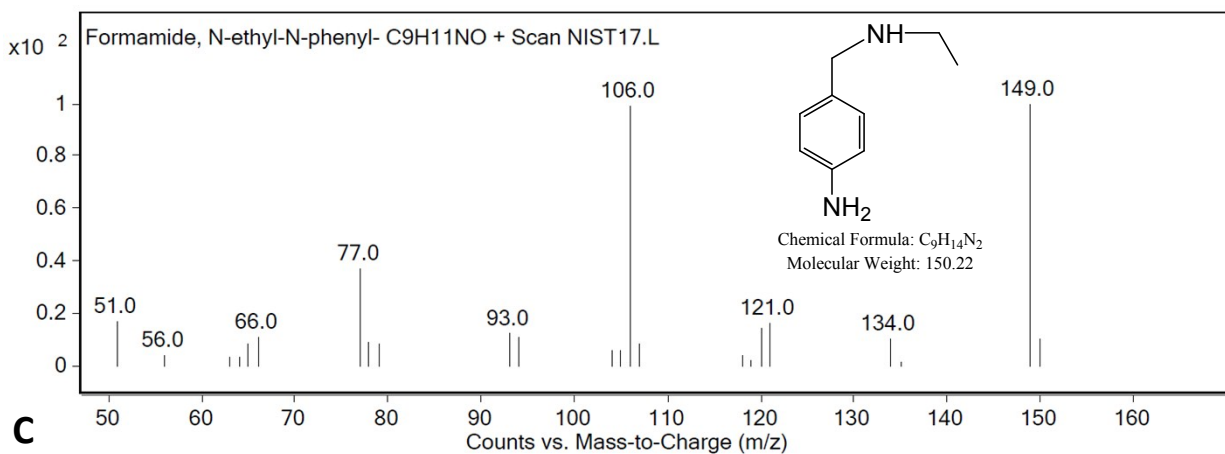
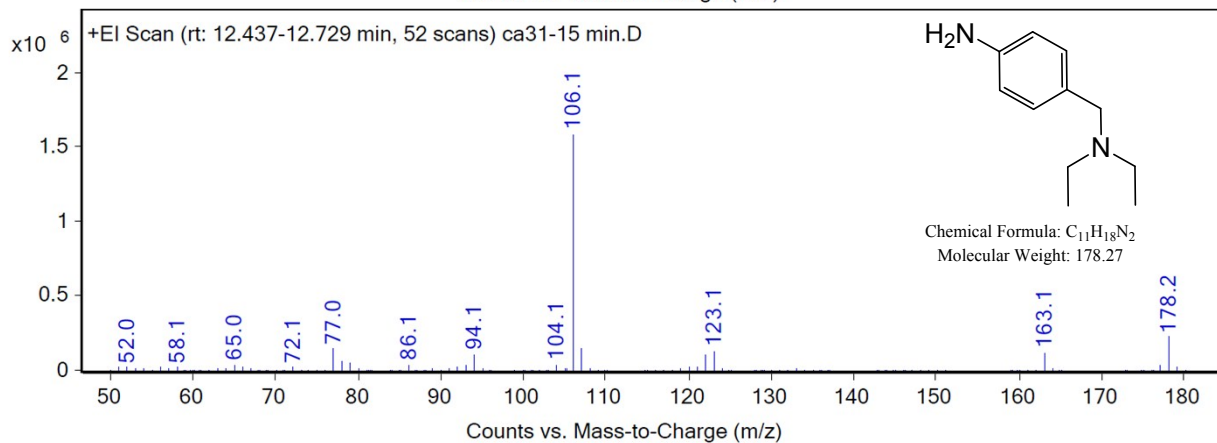
**A****B****C**

Figure S4. MS spectra of the obtained products in the continuous flow reaction of *p*-nitro-benzaldehyde with acetonitrile.

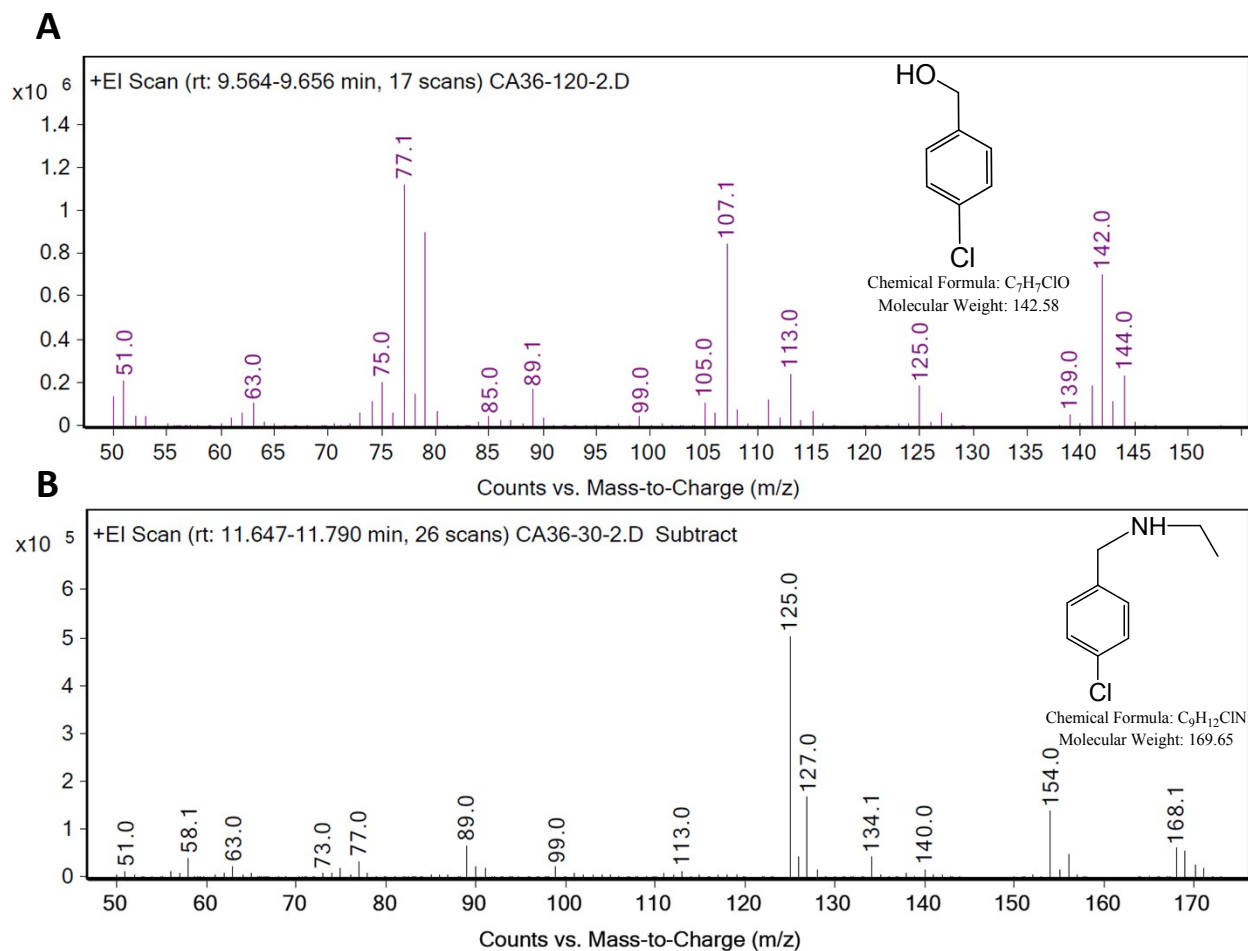


Figure S5. MS spectra of the obtained products in the continuous flow reaction of *p*-chloro-benzaldehyde, with acetonitrile.

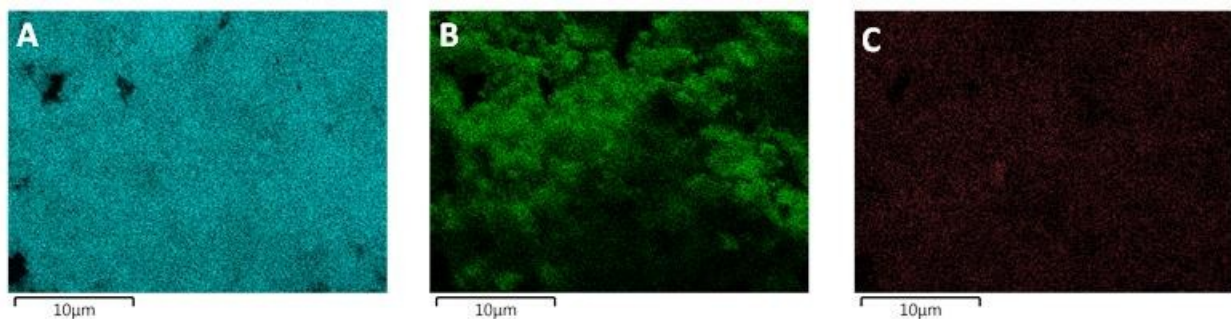


Figure S6. EDX elemental analysis for (A) Ti, (B) O and (C) Pt.