

Supporting information for the dissertation
Theophylline-derived N-heterocyclic carbenes and their metal complexes

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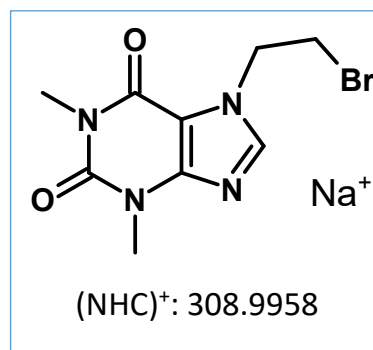
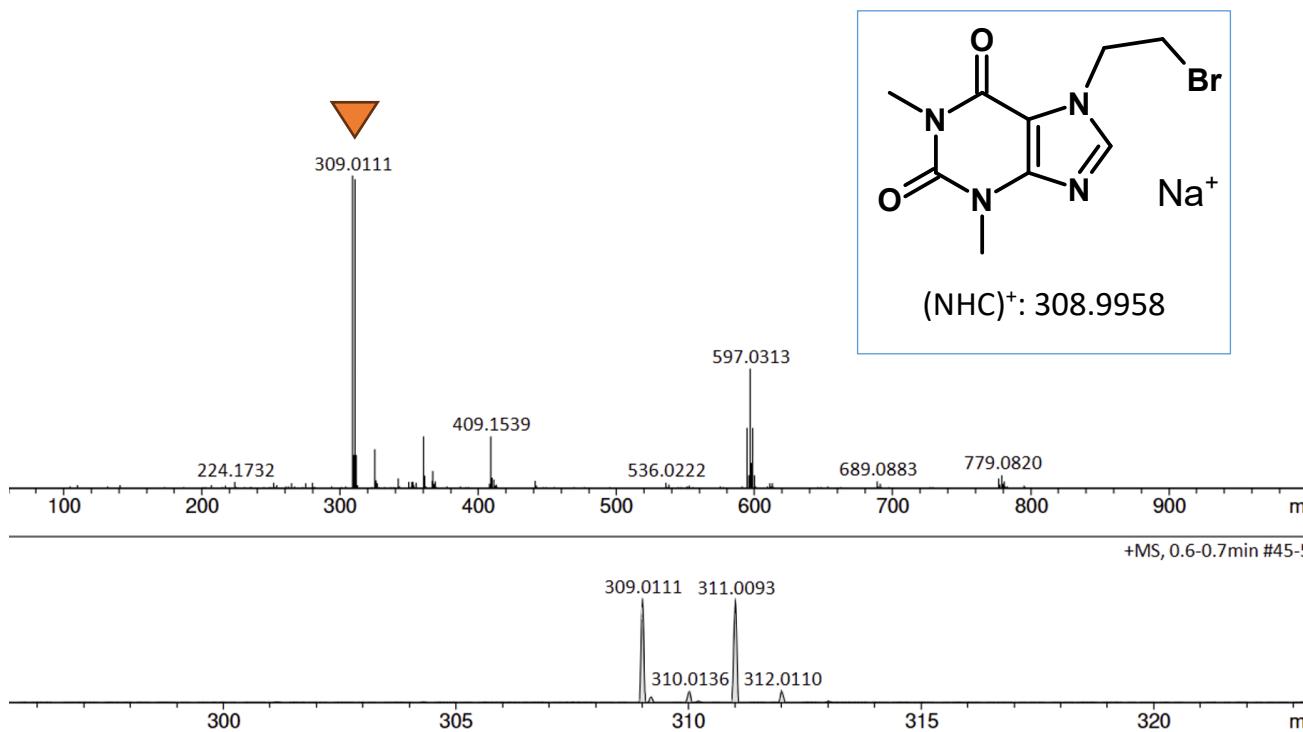
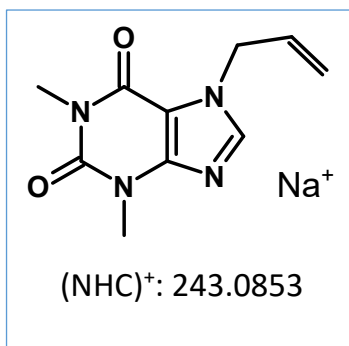
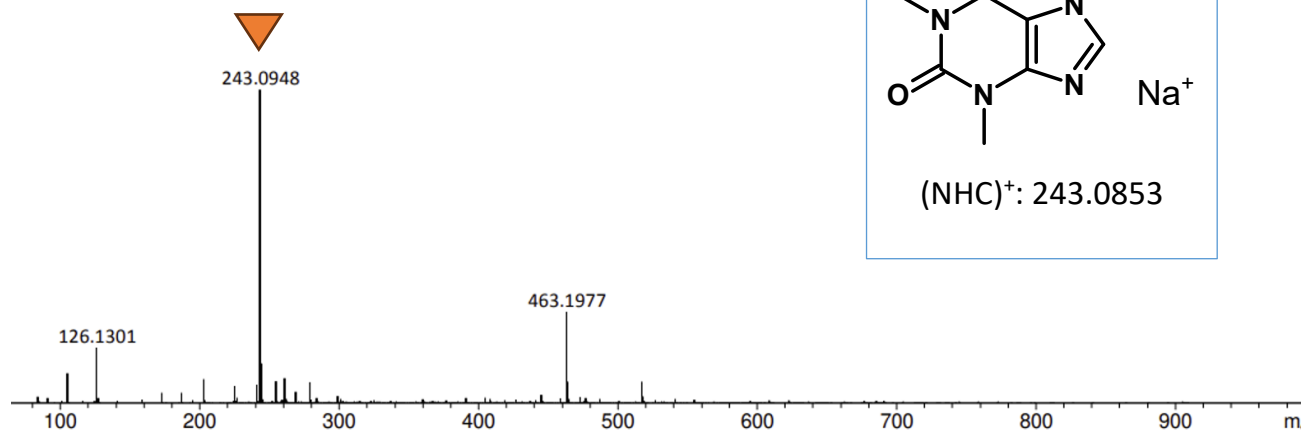
Gauß straße 20 – 42119 Wuppertal, Germany

Content

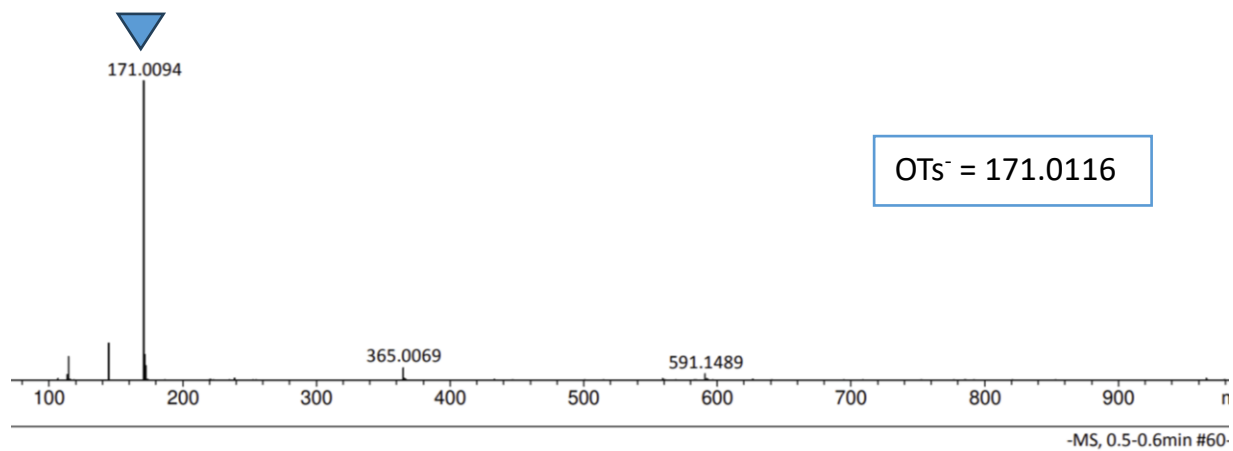
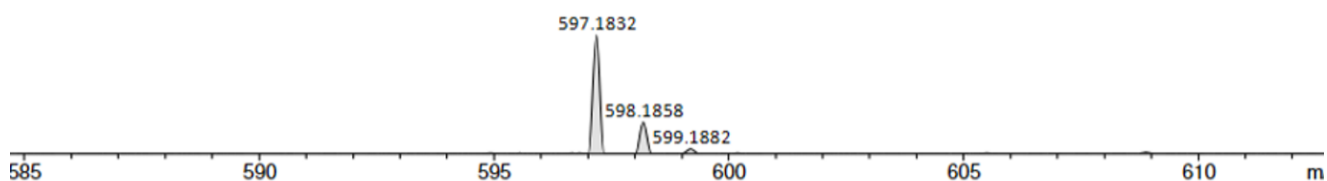
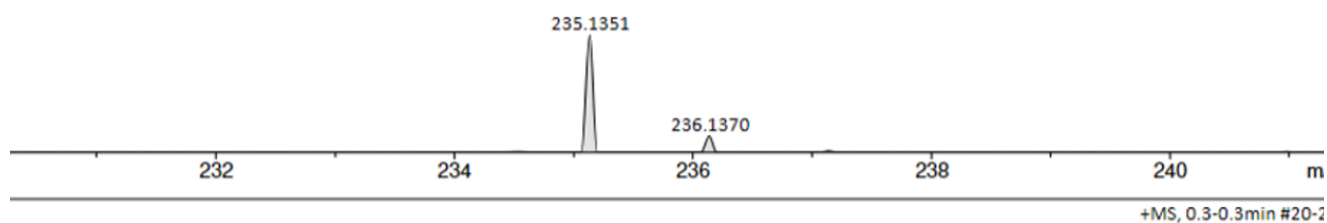
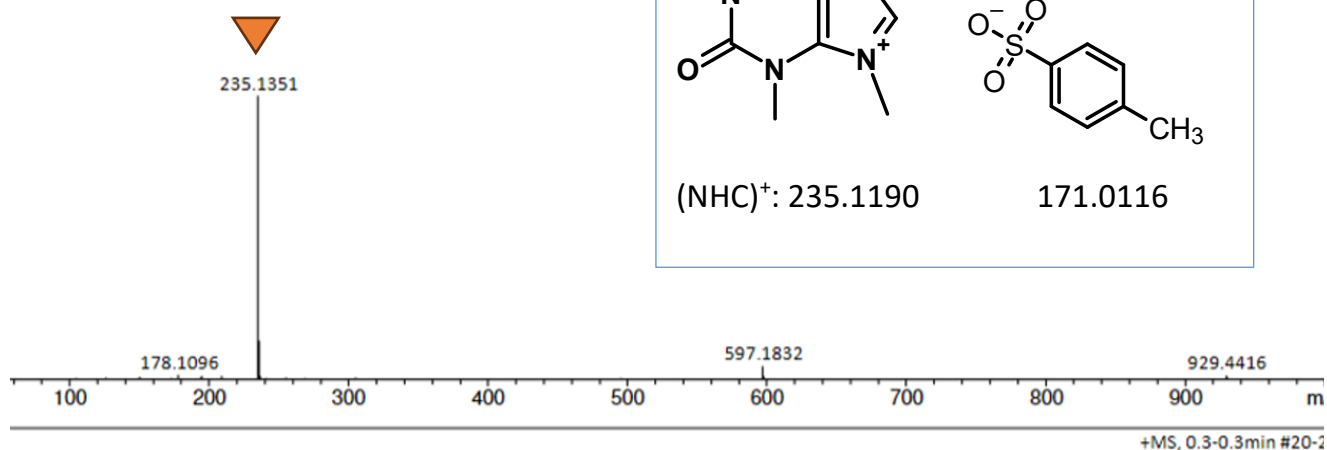
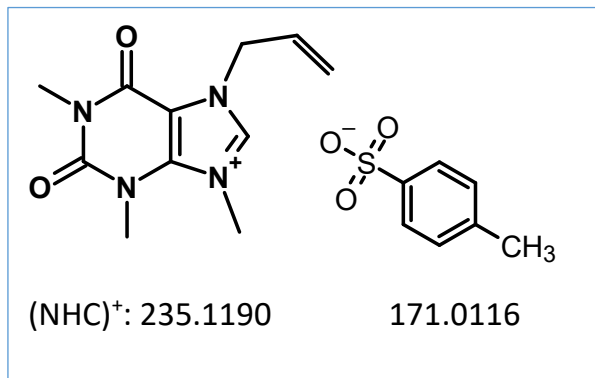
| | |
|-------------------------------------|-------------|
| Mass Spectra of (1a) | (1) |
| Mass Spectra of (1b) | (1) |
| Mass Spectra of (2a) | (2) |
| Mass Spectra of (2b) | (3) |
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| Mass Spectra of (3b-1) | (5) |
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| Mass Spectra of (4a) | (6) |
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| Mass Spectra of (5a-2) | (9) |
| Mass Spectra of (5b-1) | (10) |
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| | |
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| Mass Spectra of (Ag2) | (17) |
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| Mass Spectra of (T-4) | (35) |
| Mass Spectra of (Ag8) | (36) |
| Mass Spectra of (Au6) | (37) |
| Mass Spectra of (Ag10) | (38) |

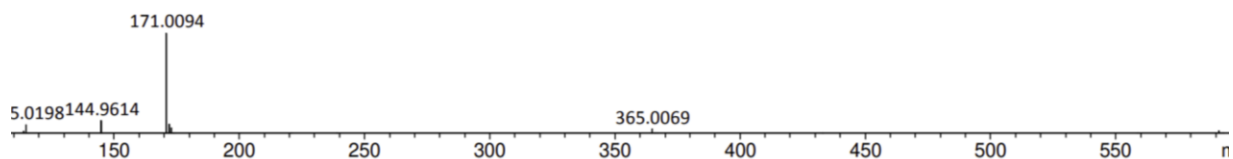
Mass spectra of 1a and 1b



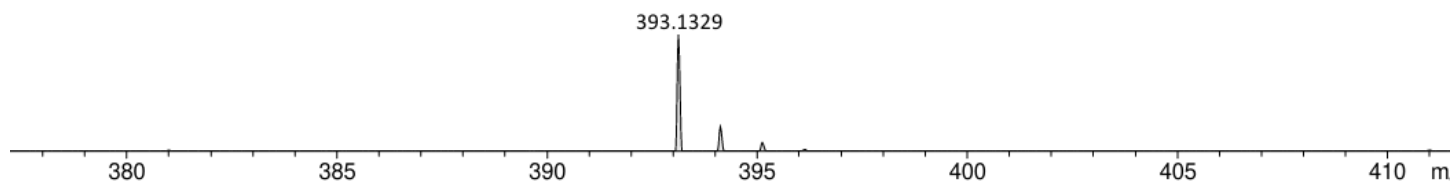
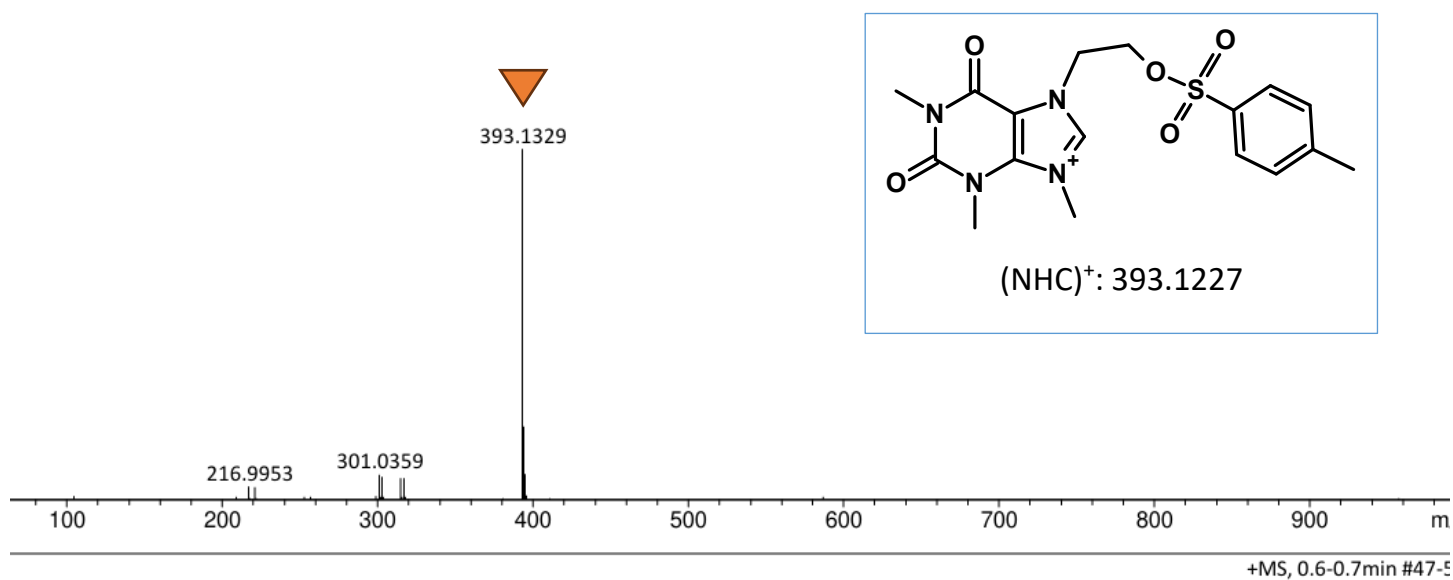
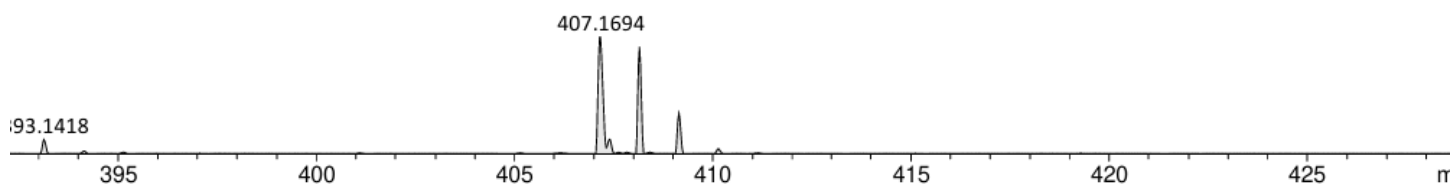
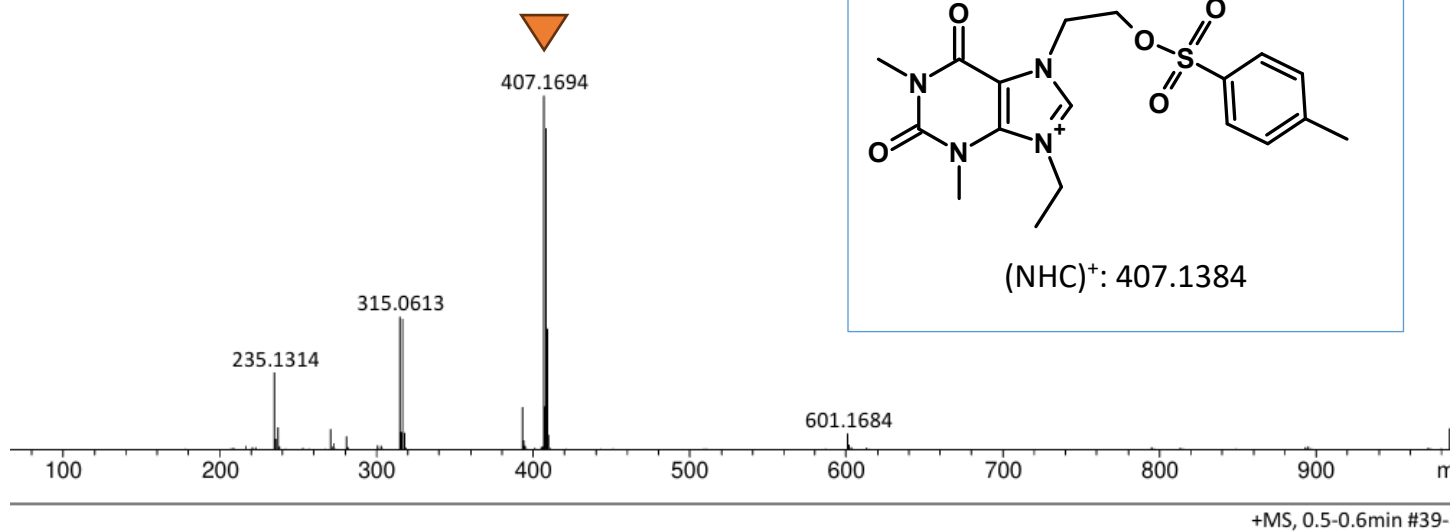
Mass spectra of 2a



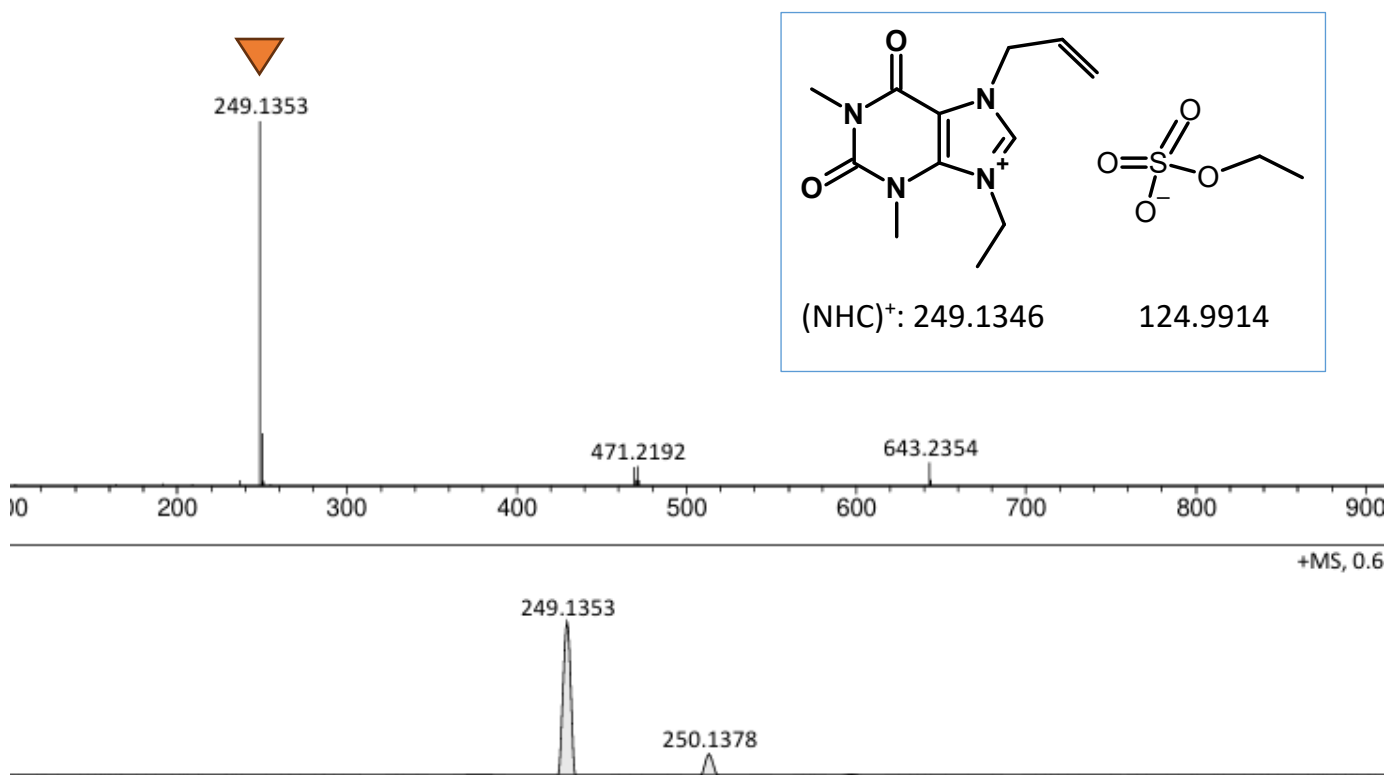
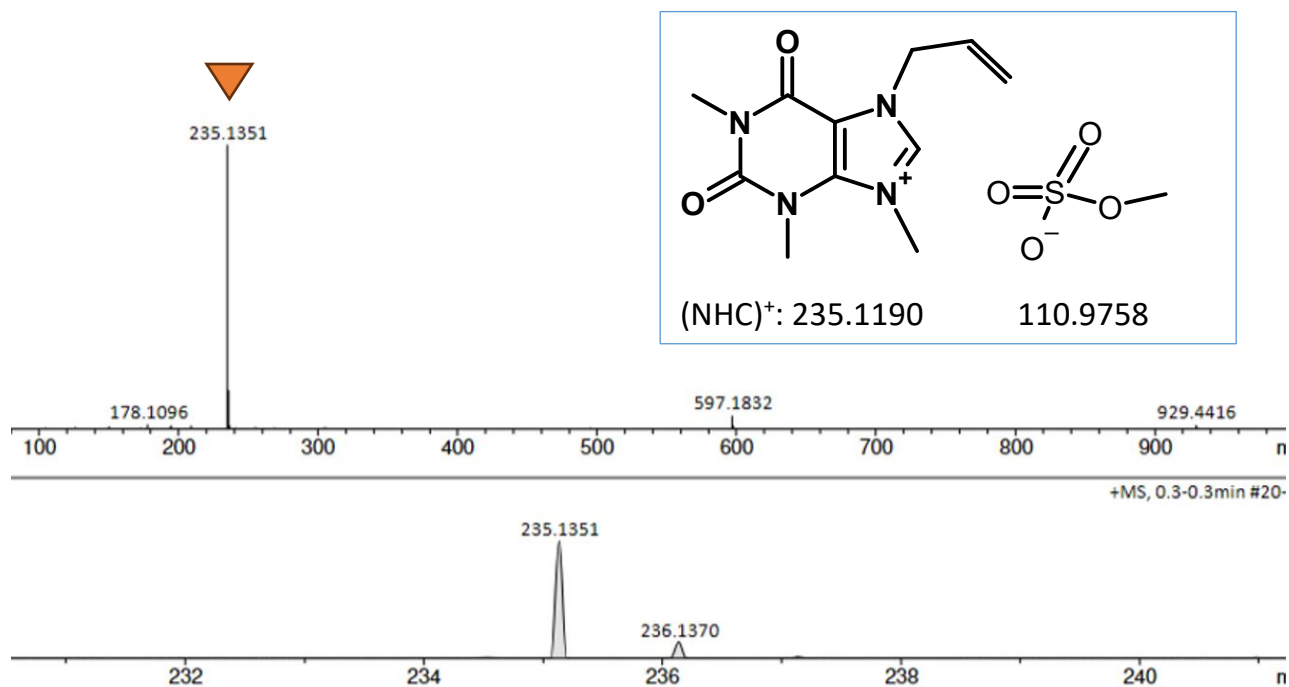
OTs⁻ = 171.0116



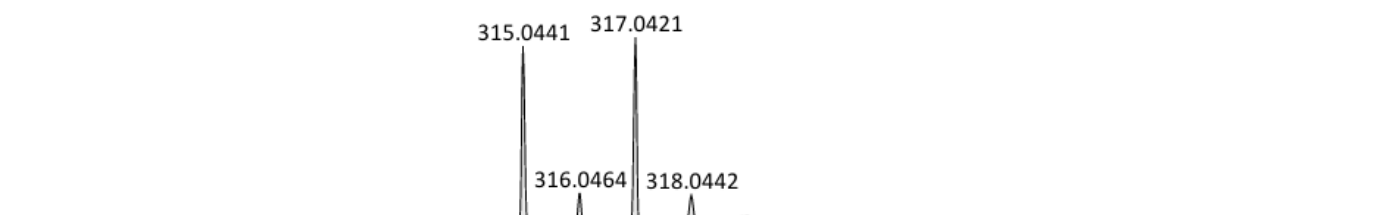
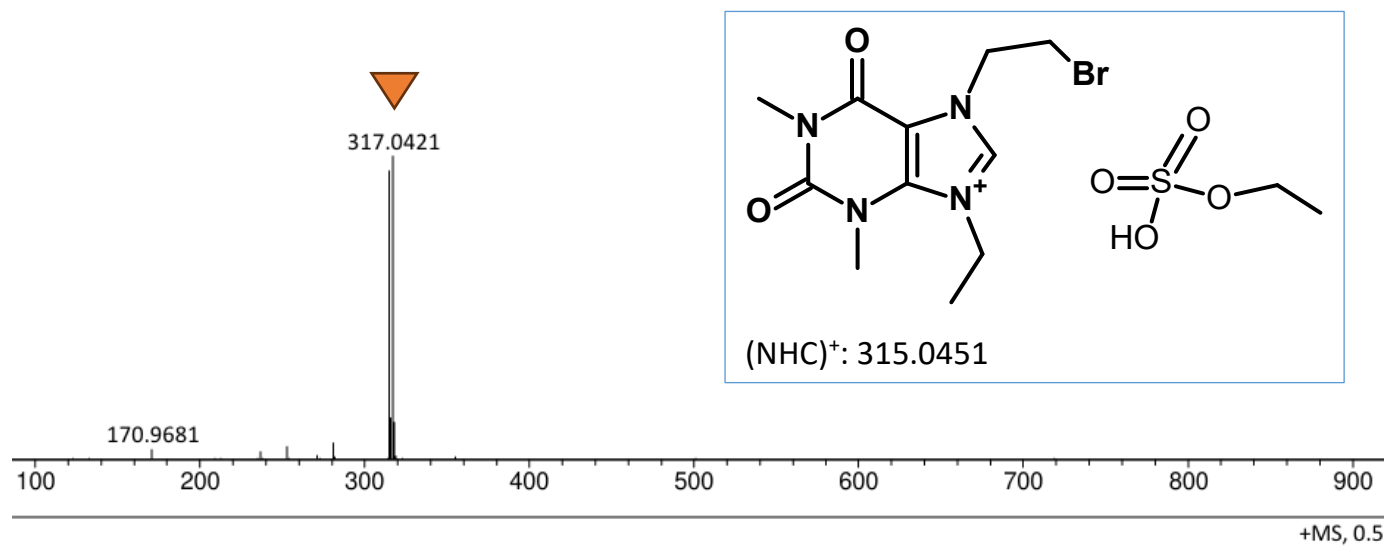
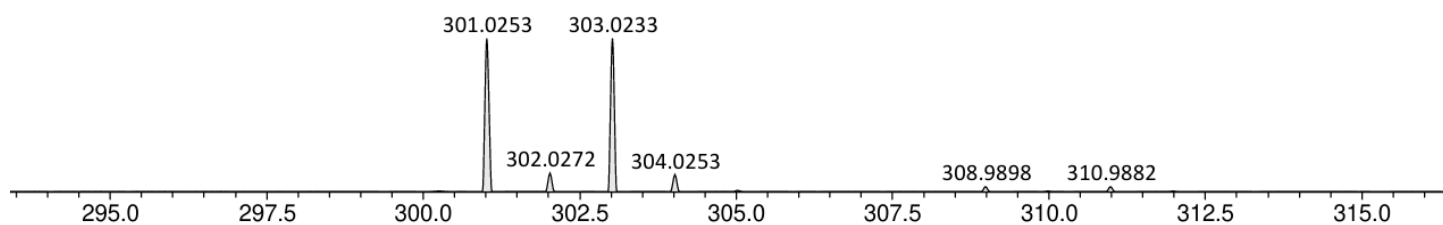
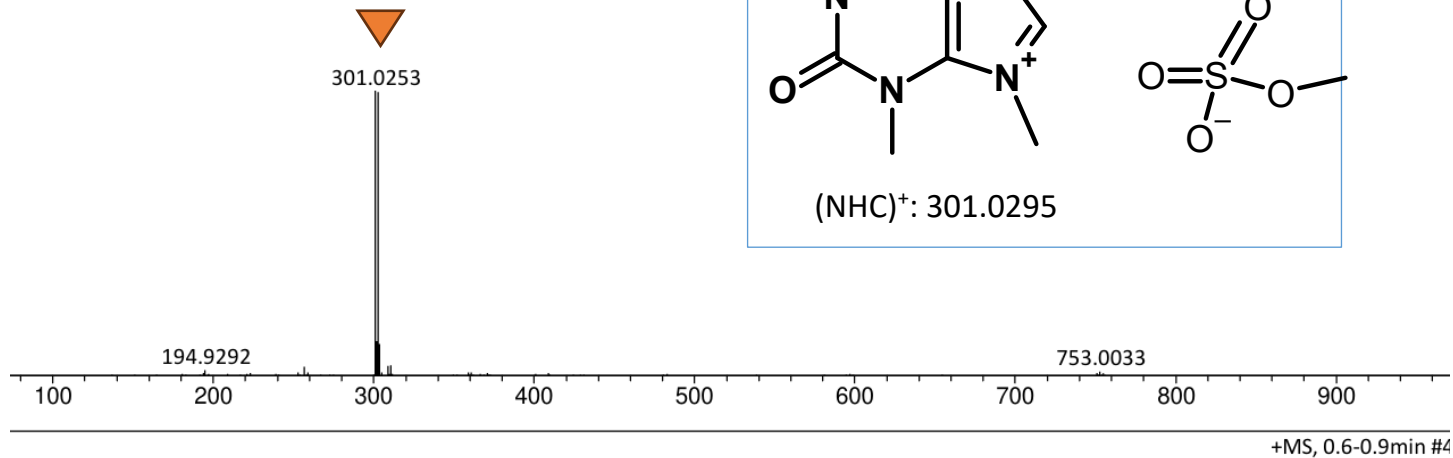
Mass spectra of 2b



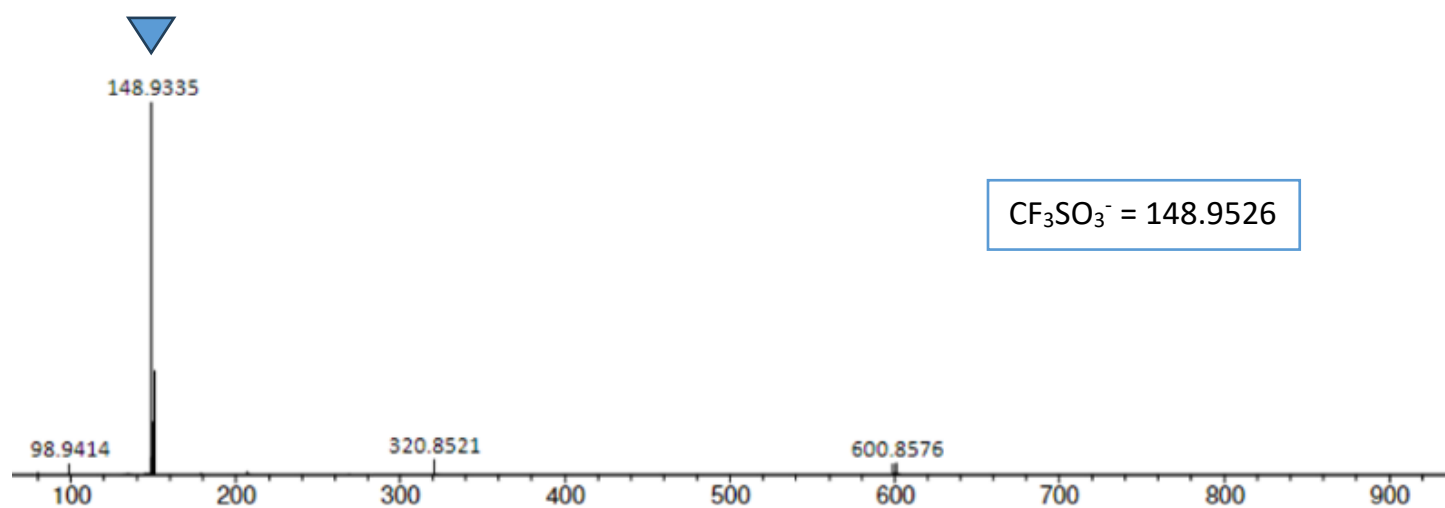
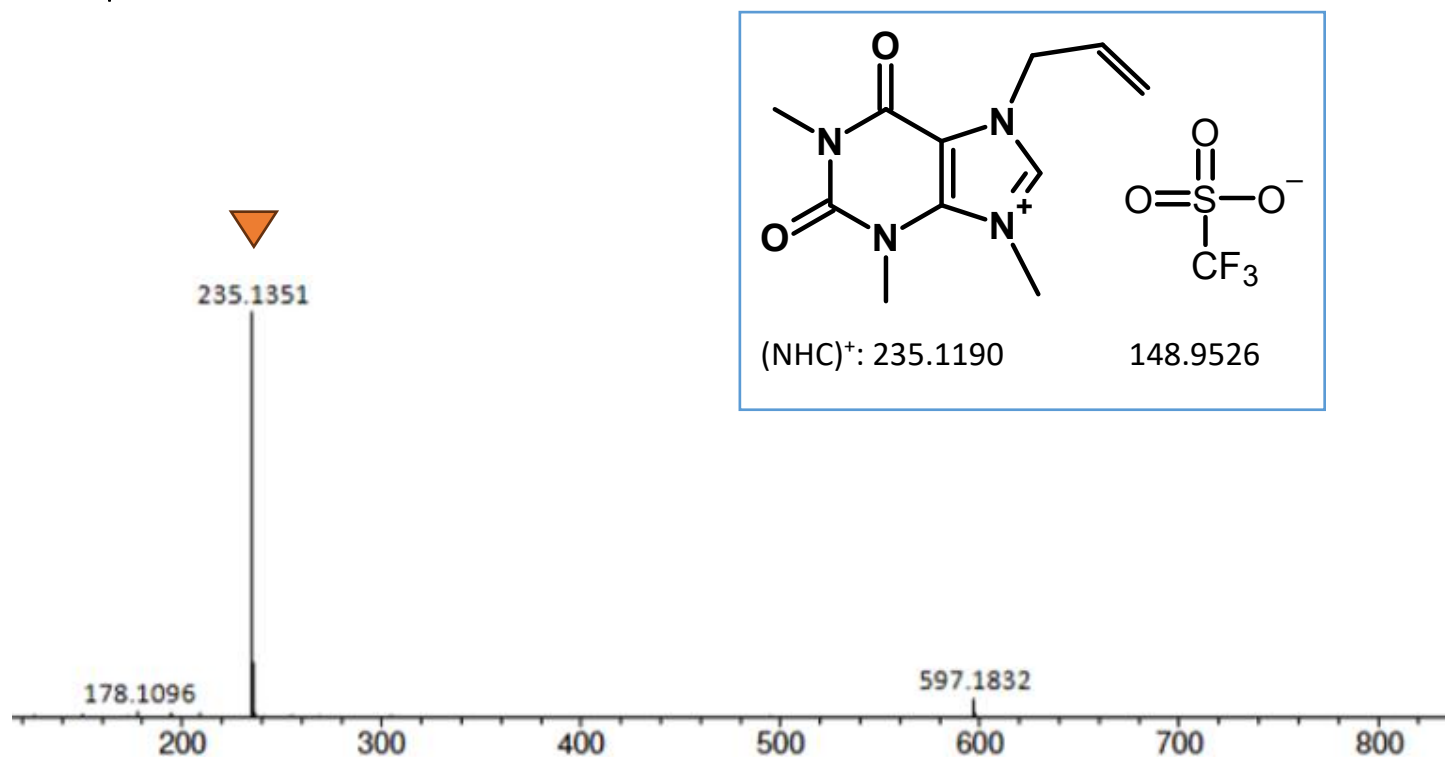
Mass spectra of 3a-1 and 3a-2



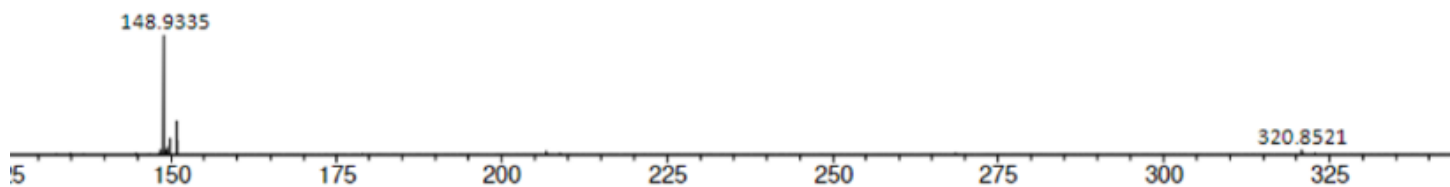
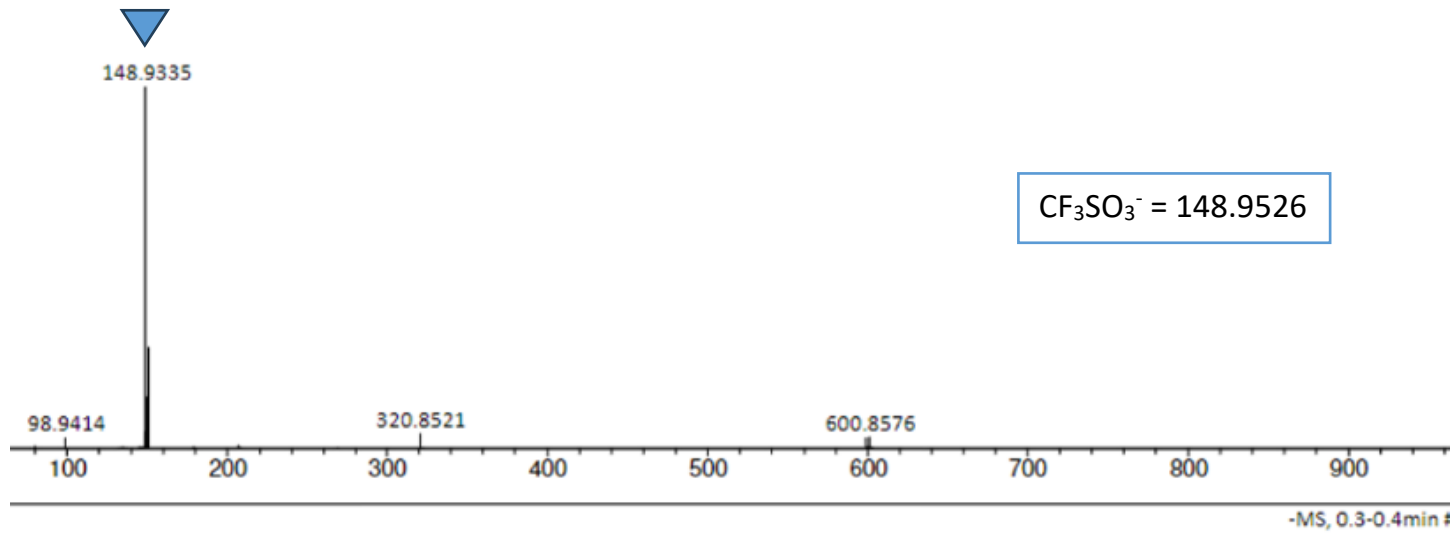
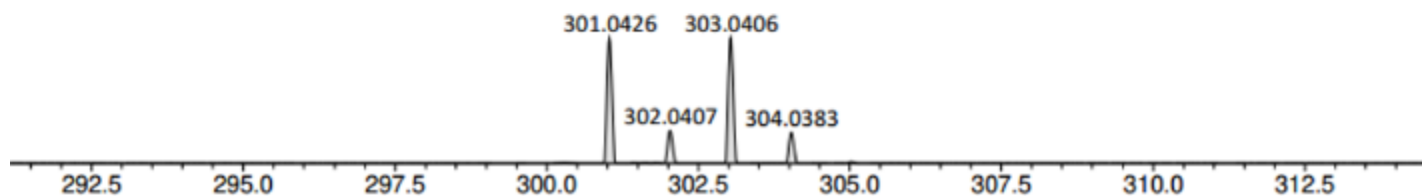
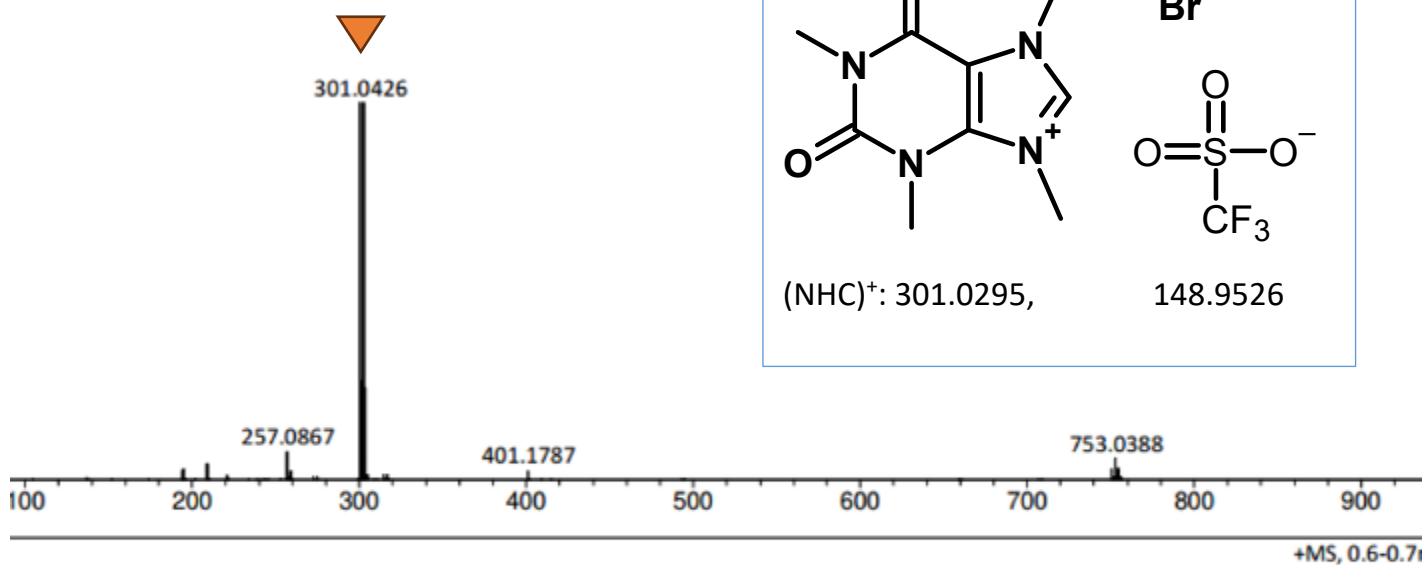
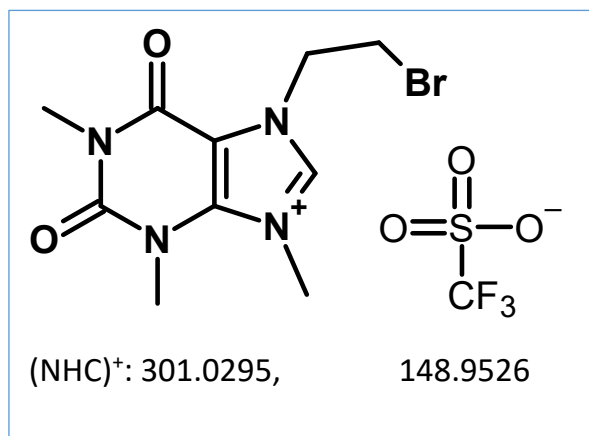
Mass spectra of 3b-1 and 3b-2



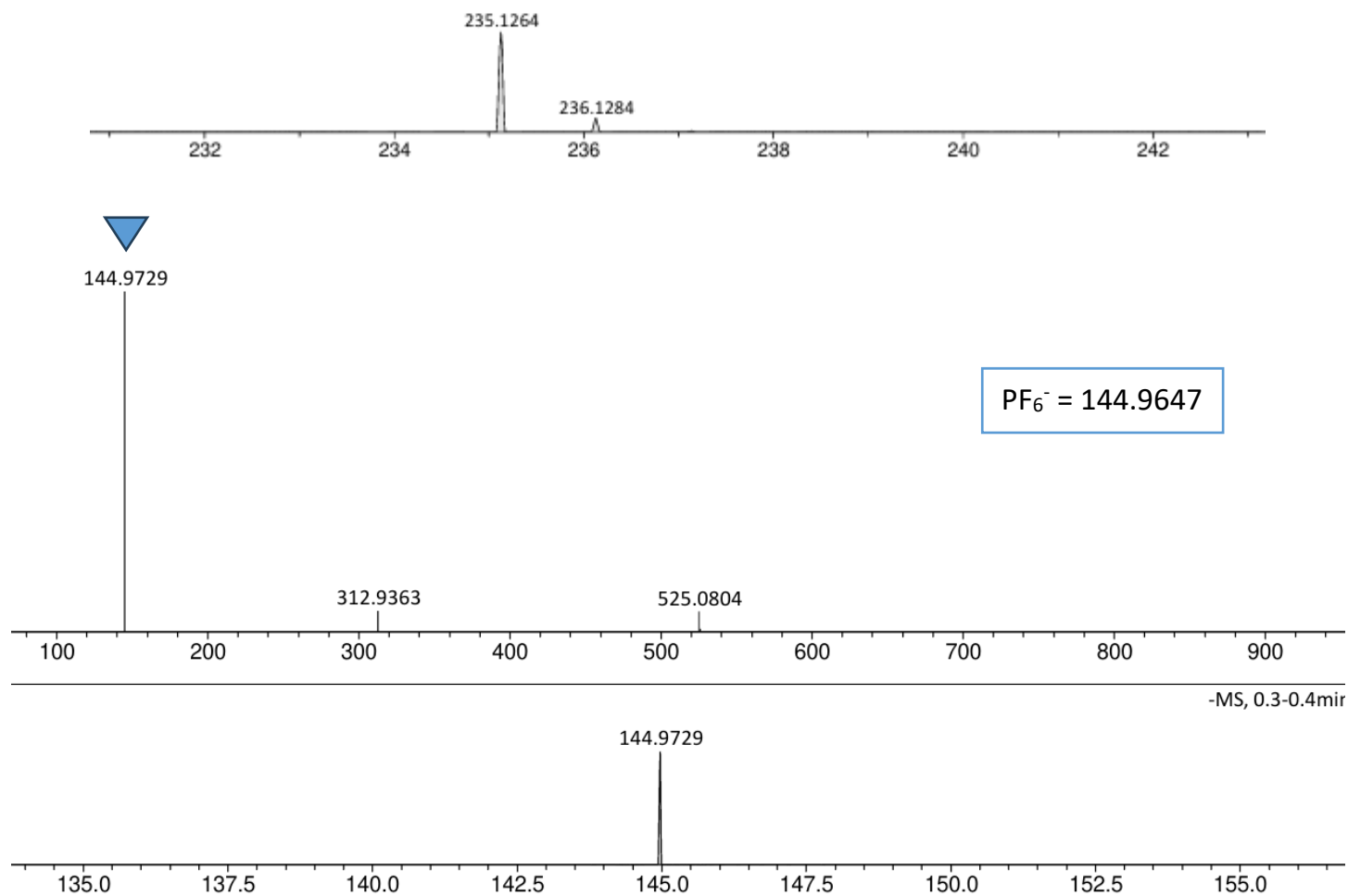
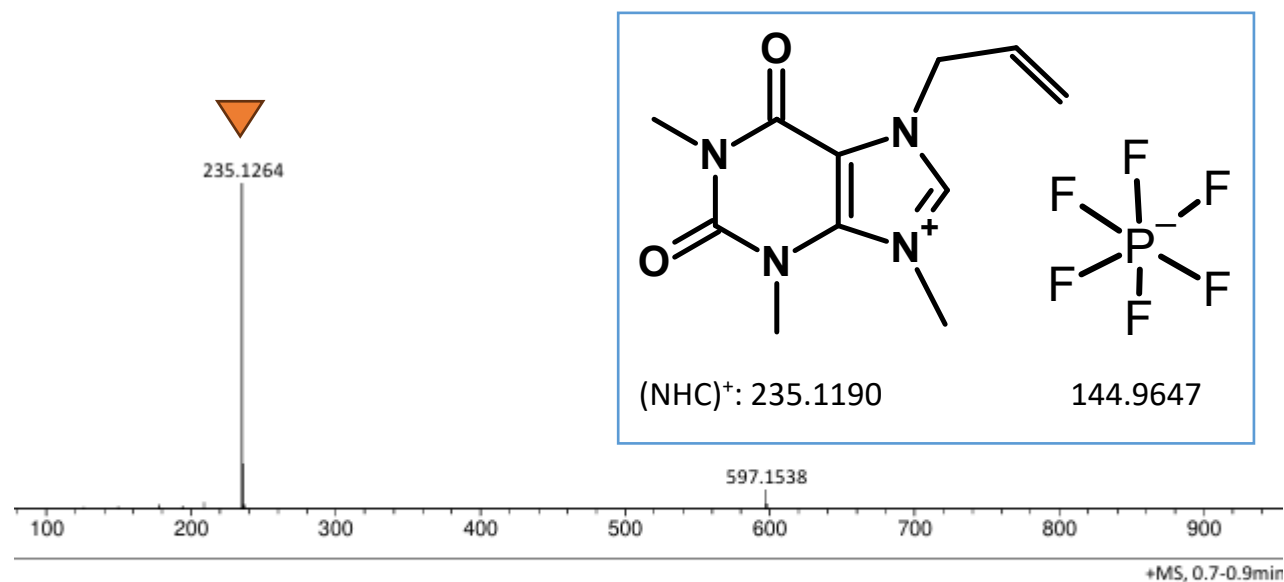
Mass spectra of 4a



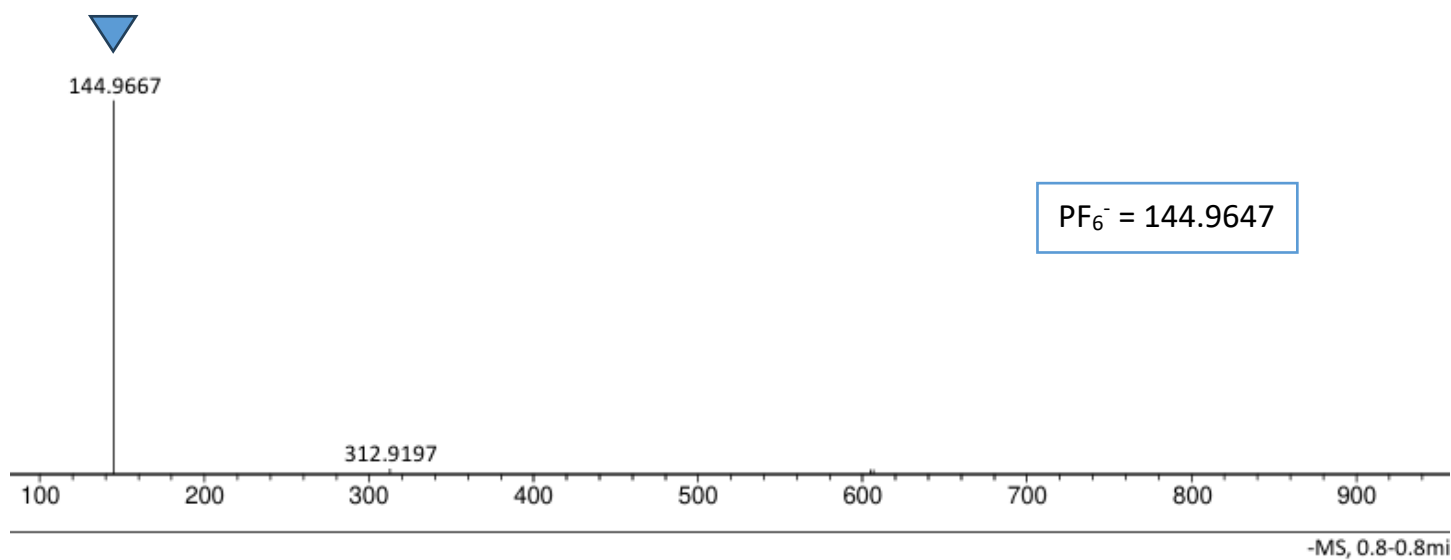
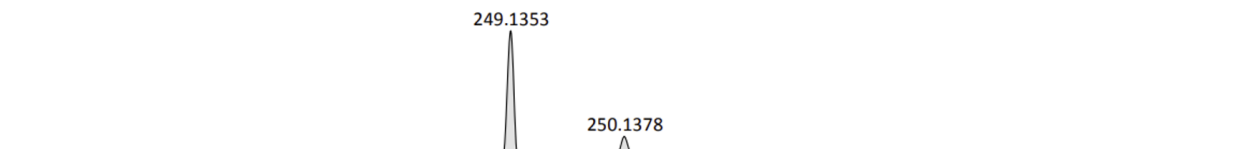
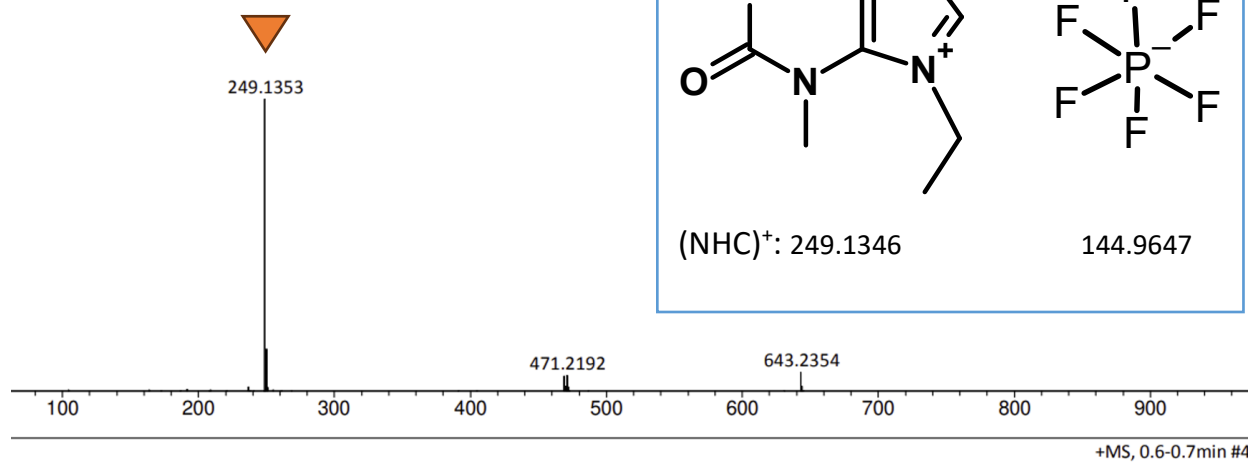
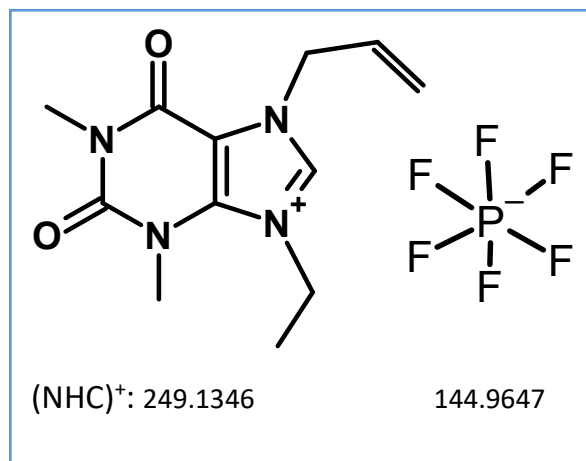
Mass spectra of 4b



Mass spectra of 5a-1

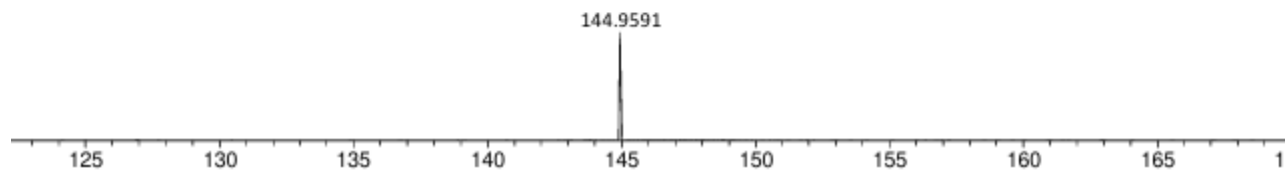
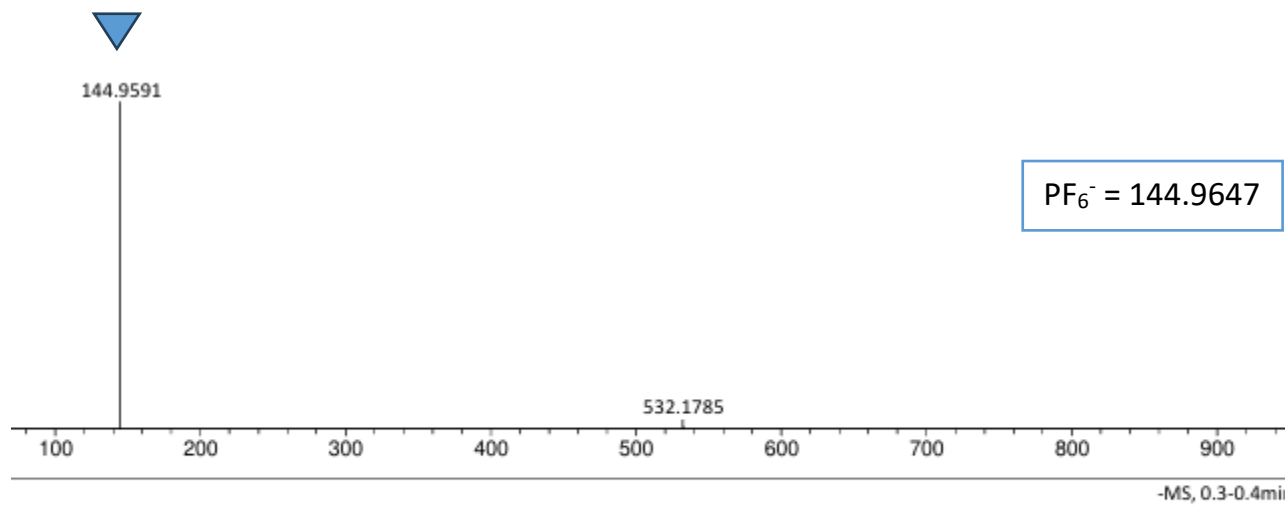
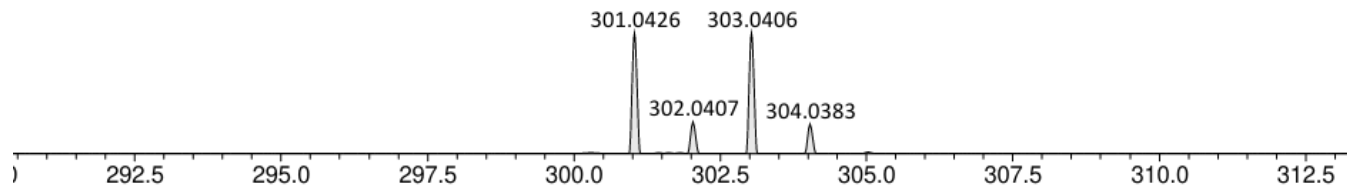
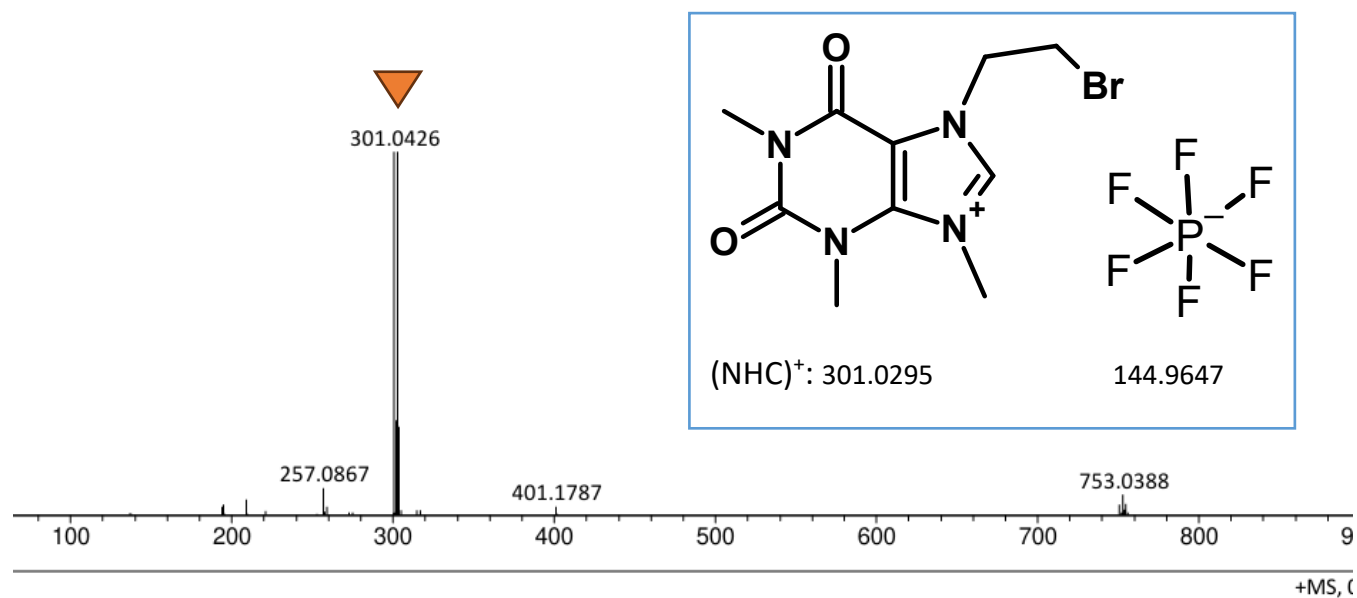


Mass spectra of 5a-2

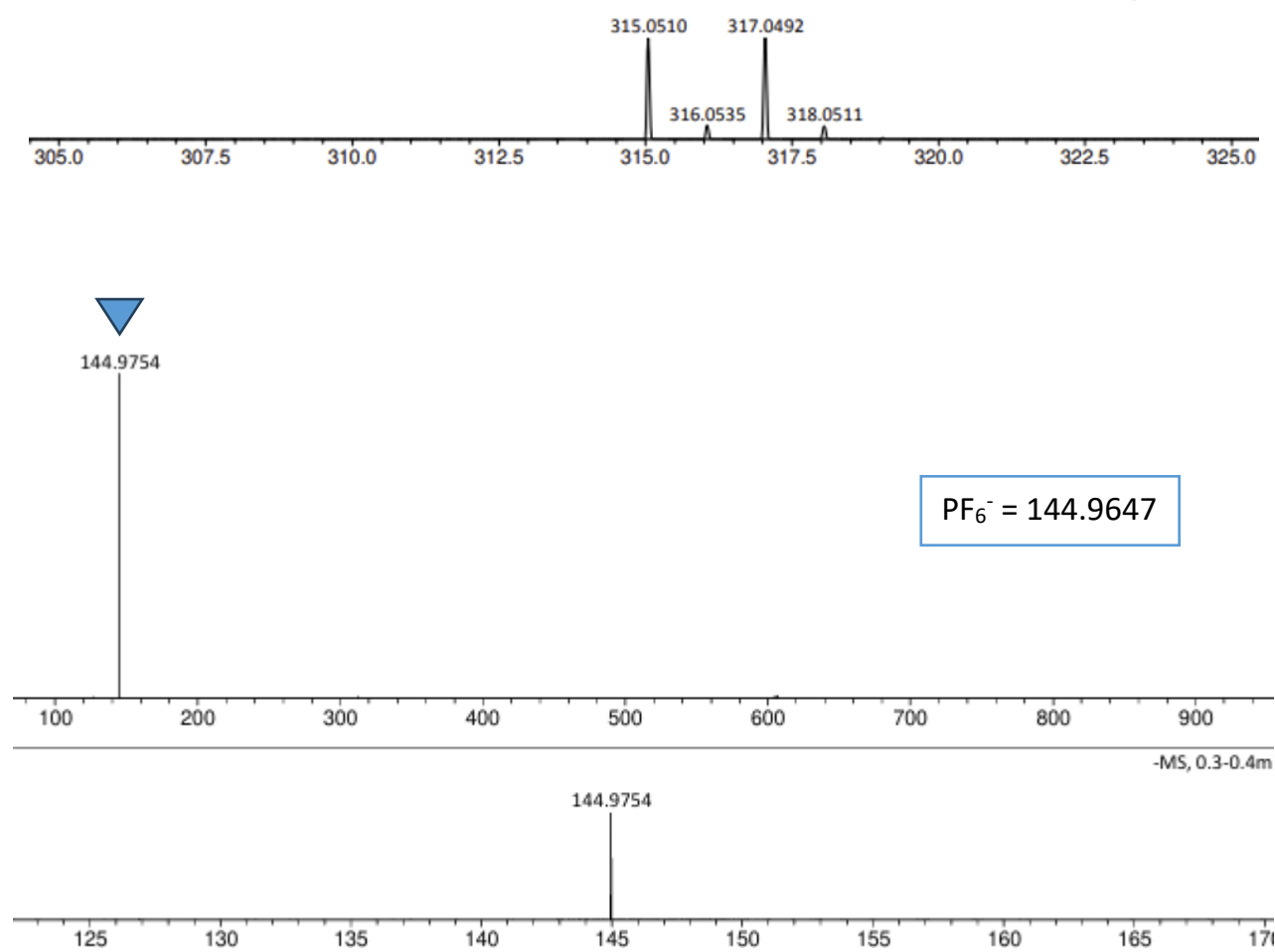
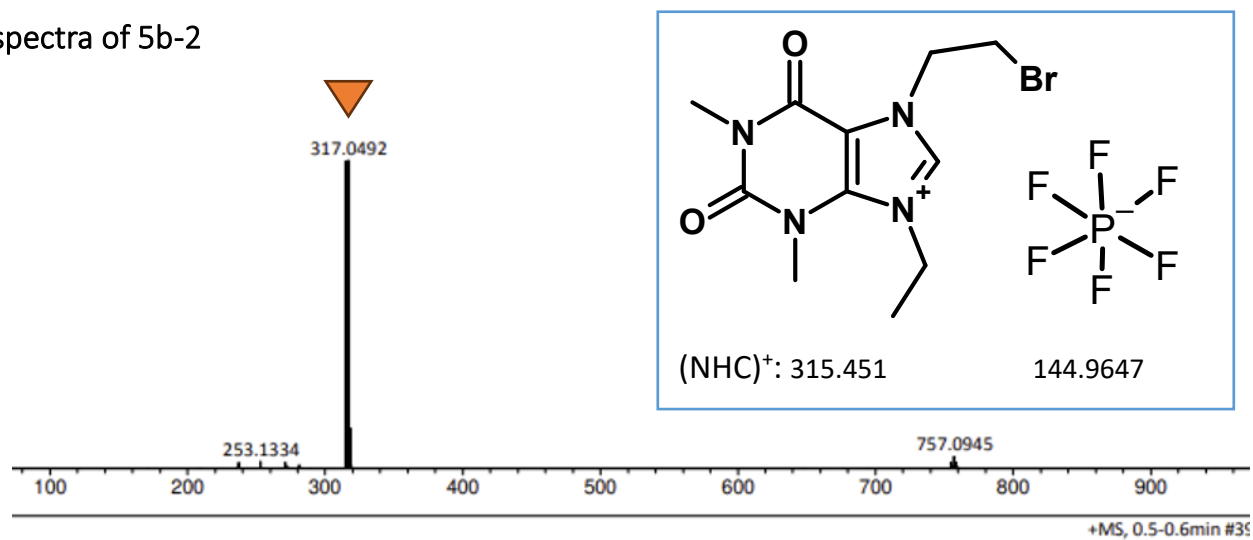


PF₆⁻ = 144.9647

Mass spectra of 5b-1

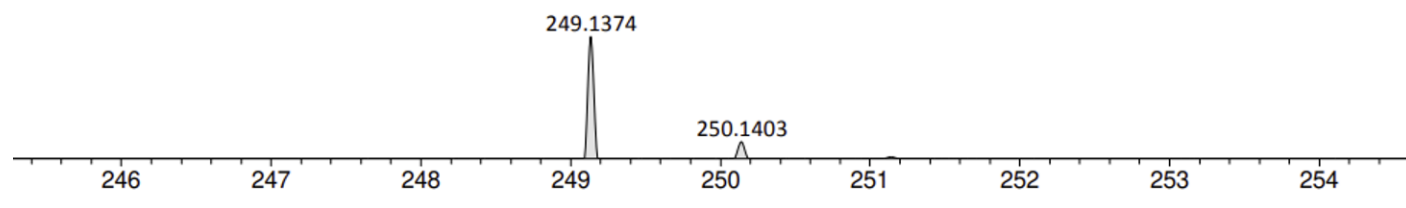
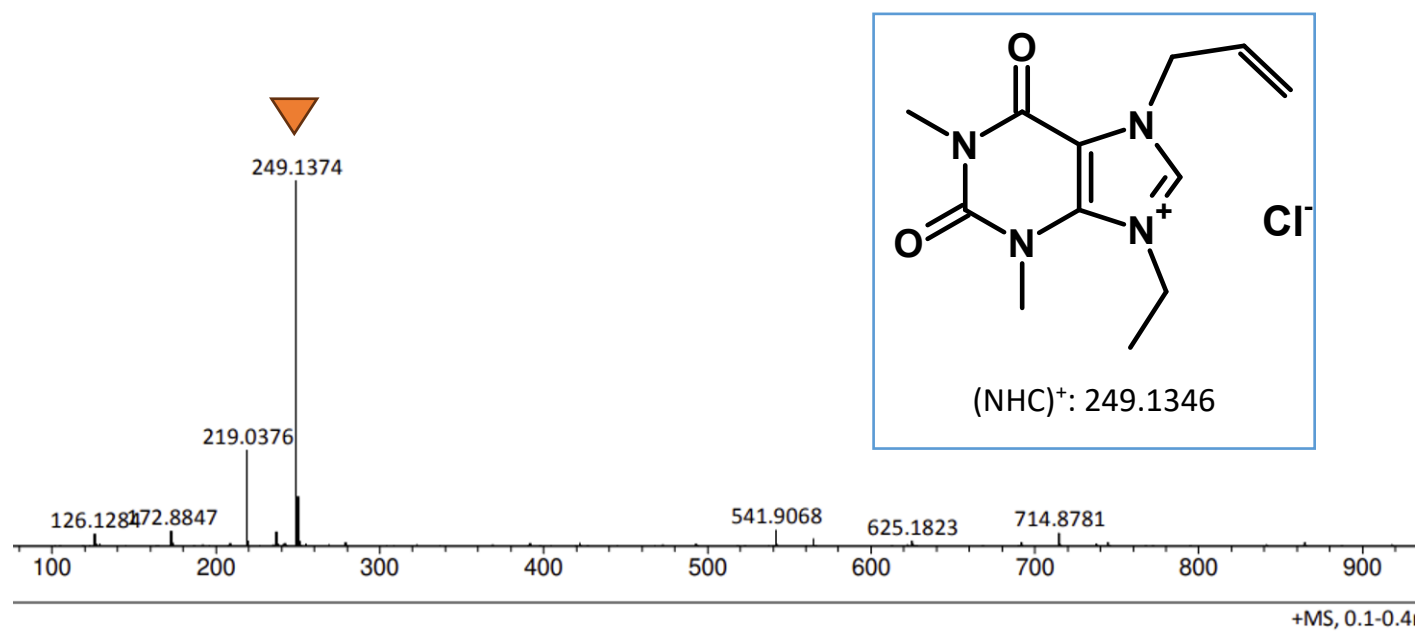
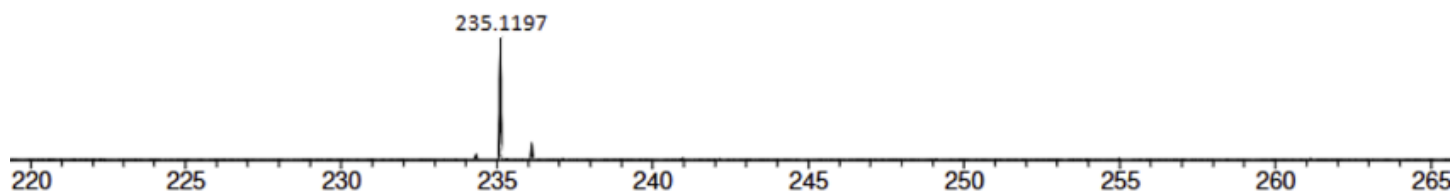
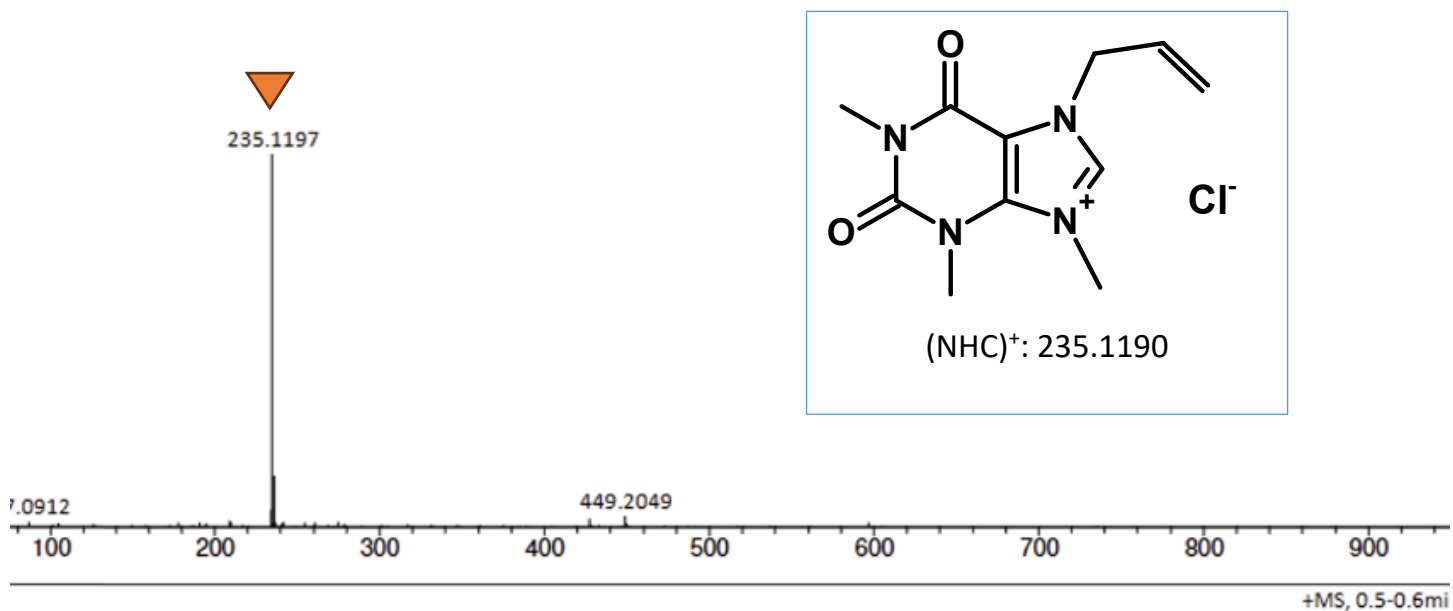


Mass spectra of 5b-2

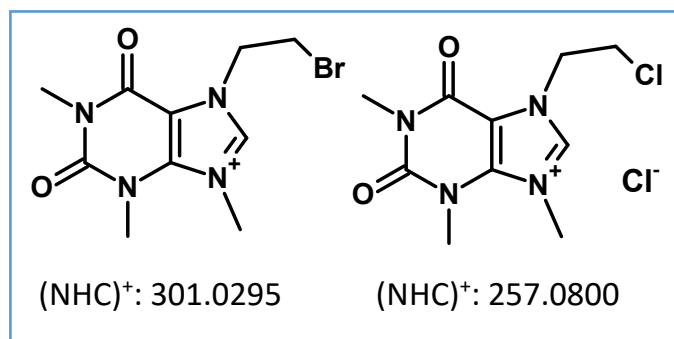
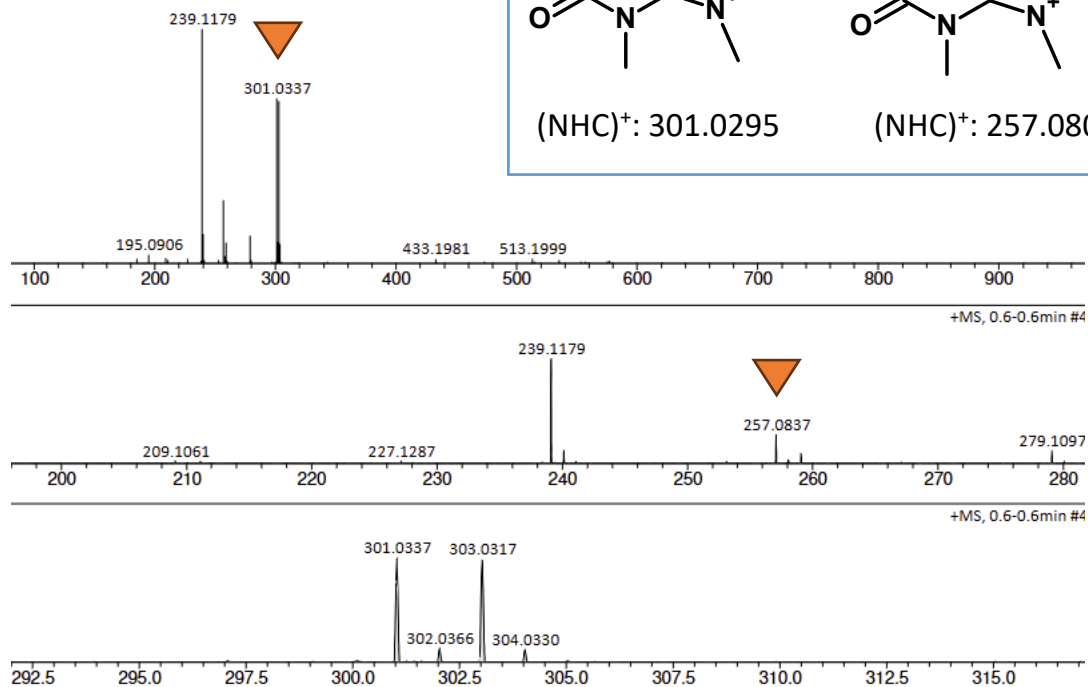


$\text{PF}_6^- = 144.9647$

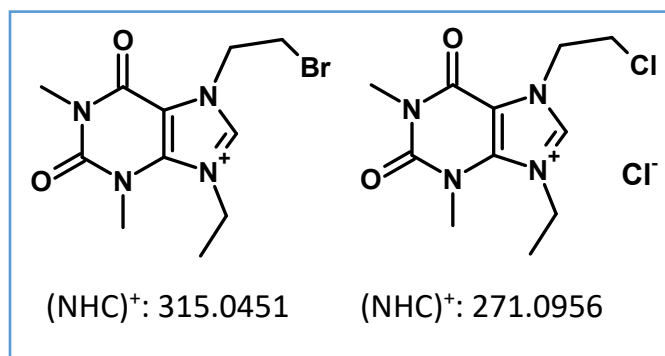
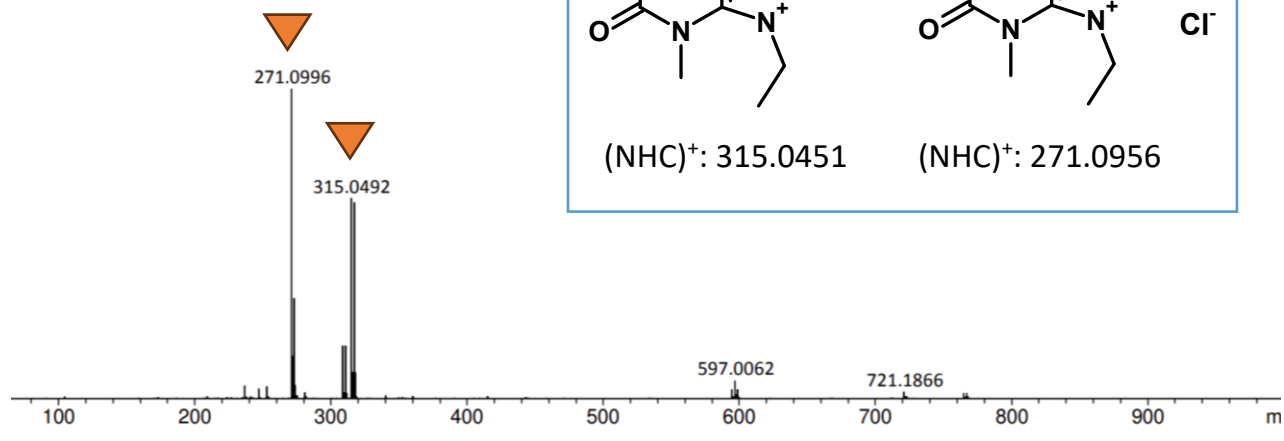
Mass spectra of 6a-1 and 6a-2



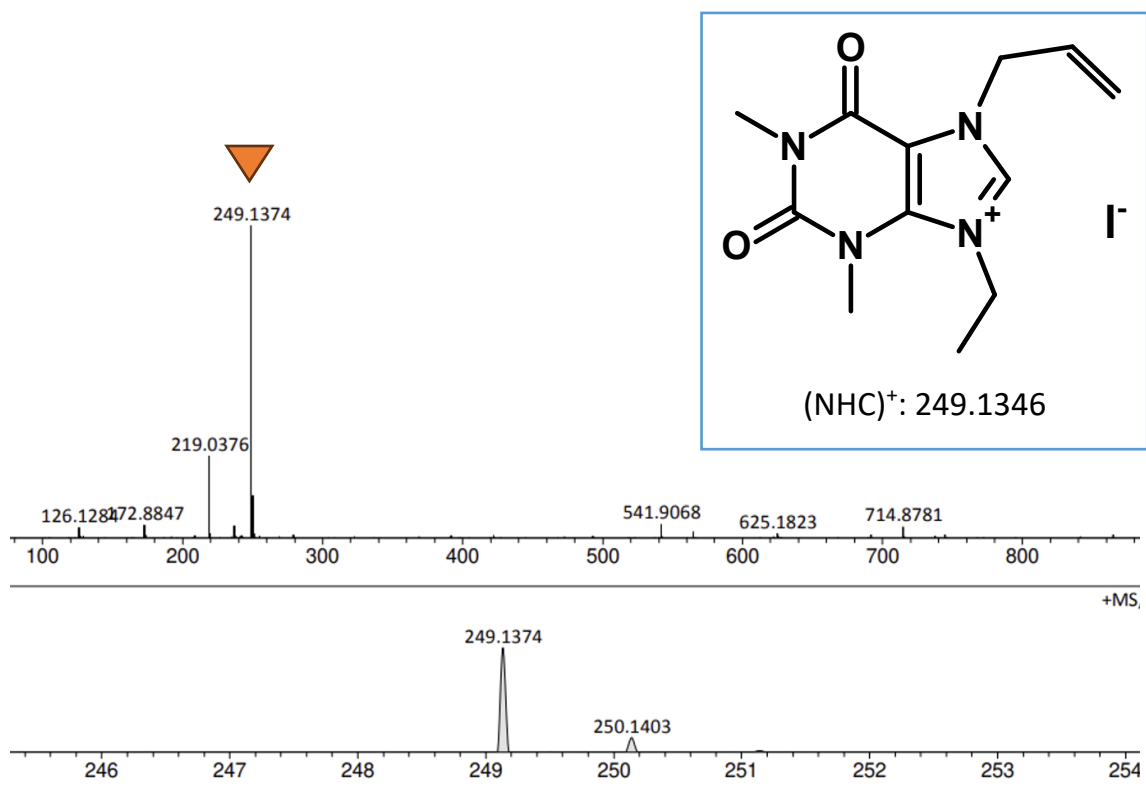
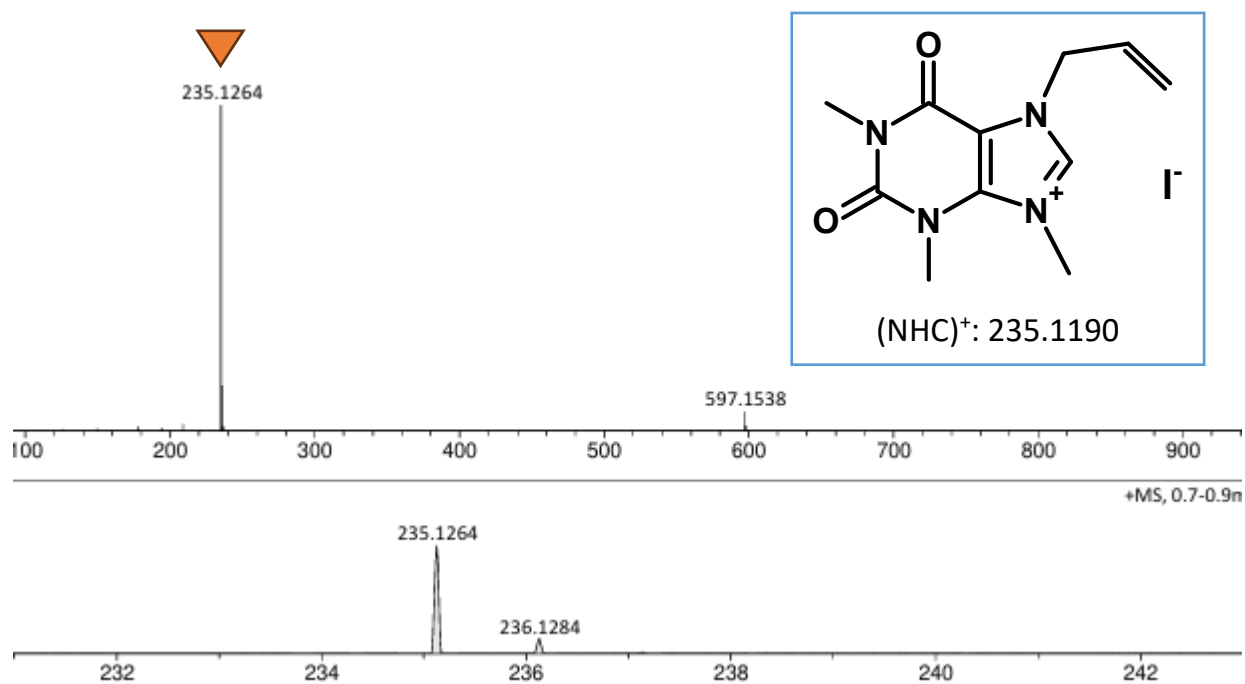
Mass spectra of 6b-1 and 6b-2



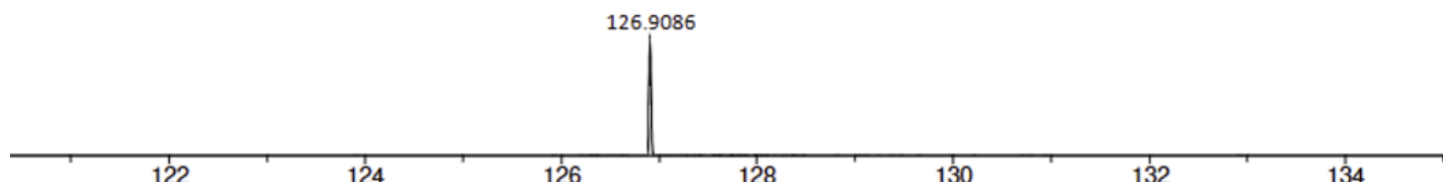
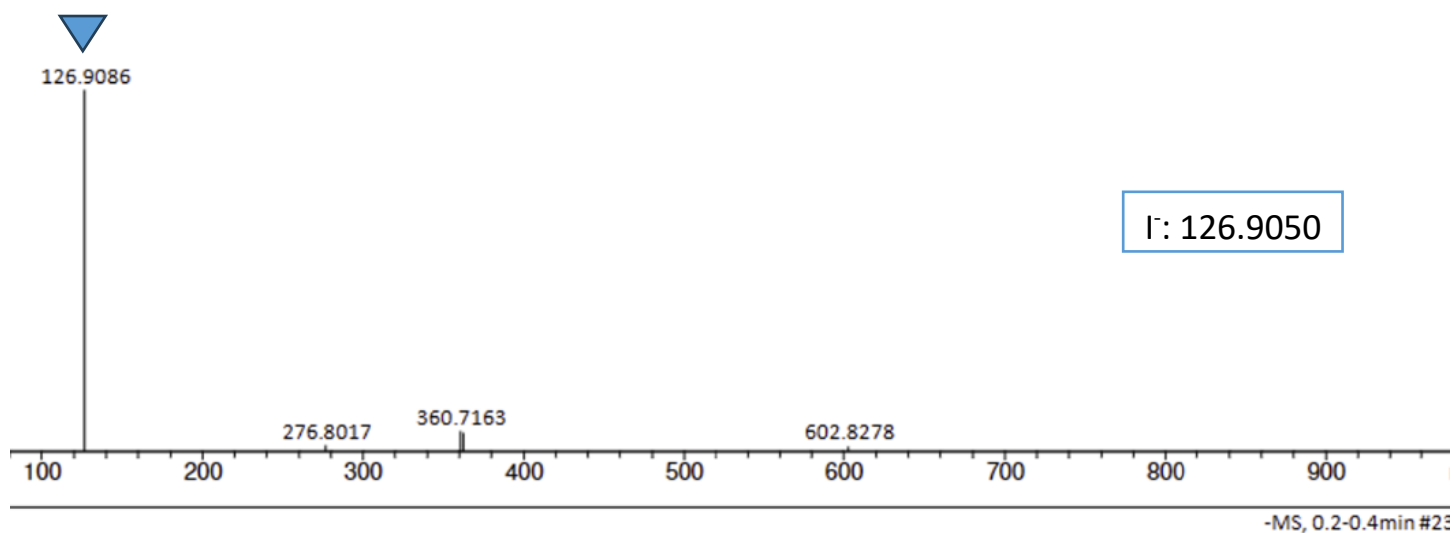
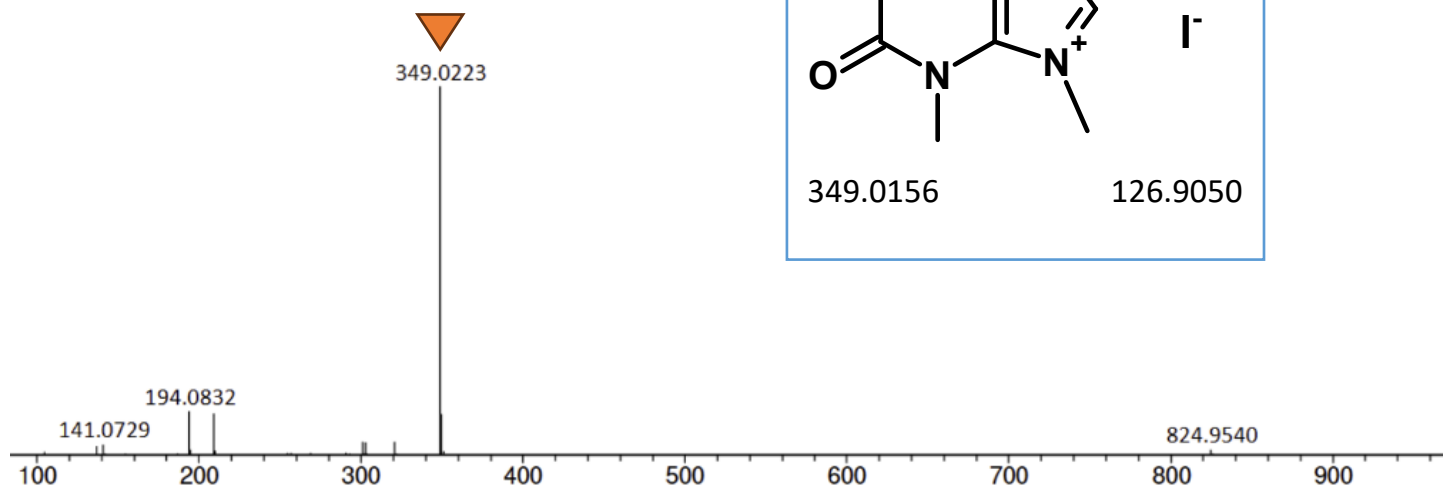
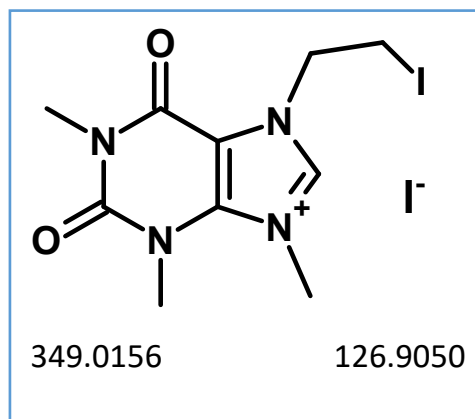
(Br exchanged with Cl)



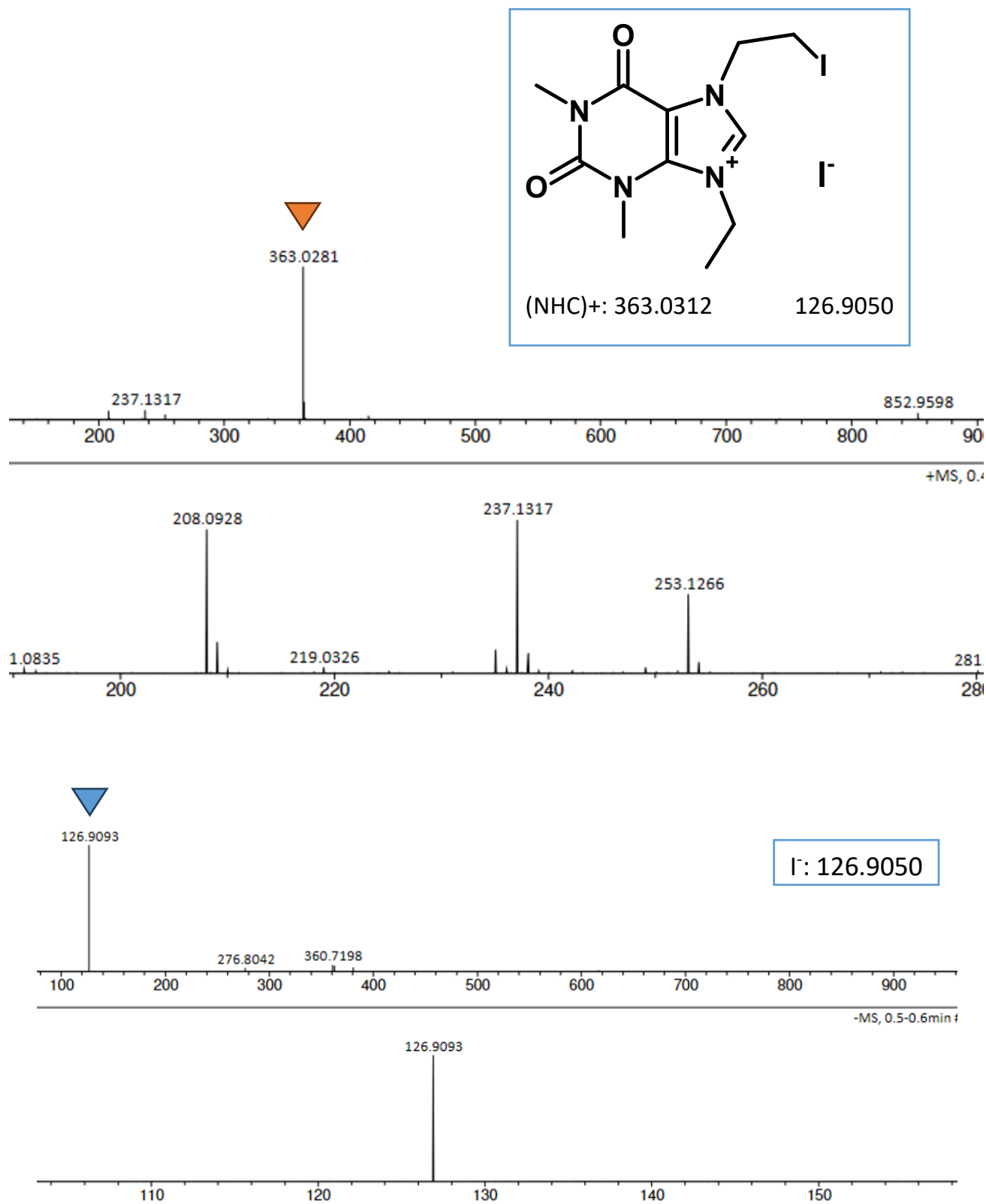
Mass spectra of 7a-1 and 7a-2



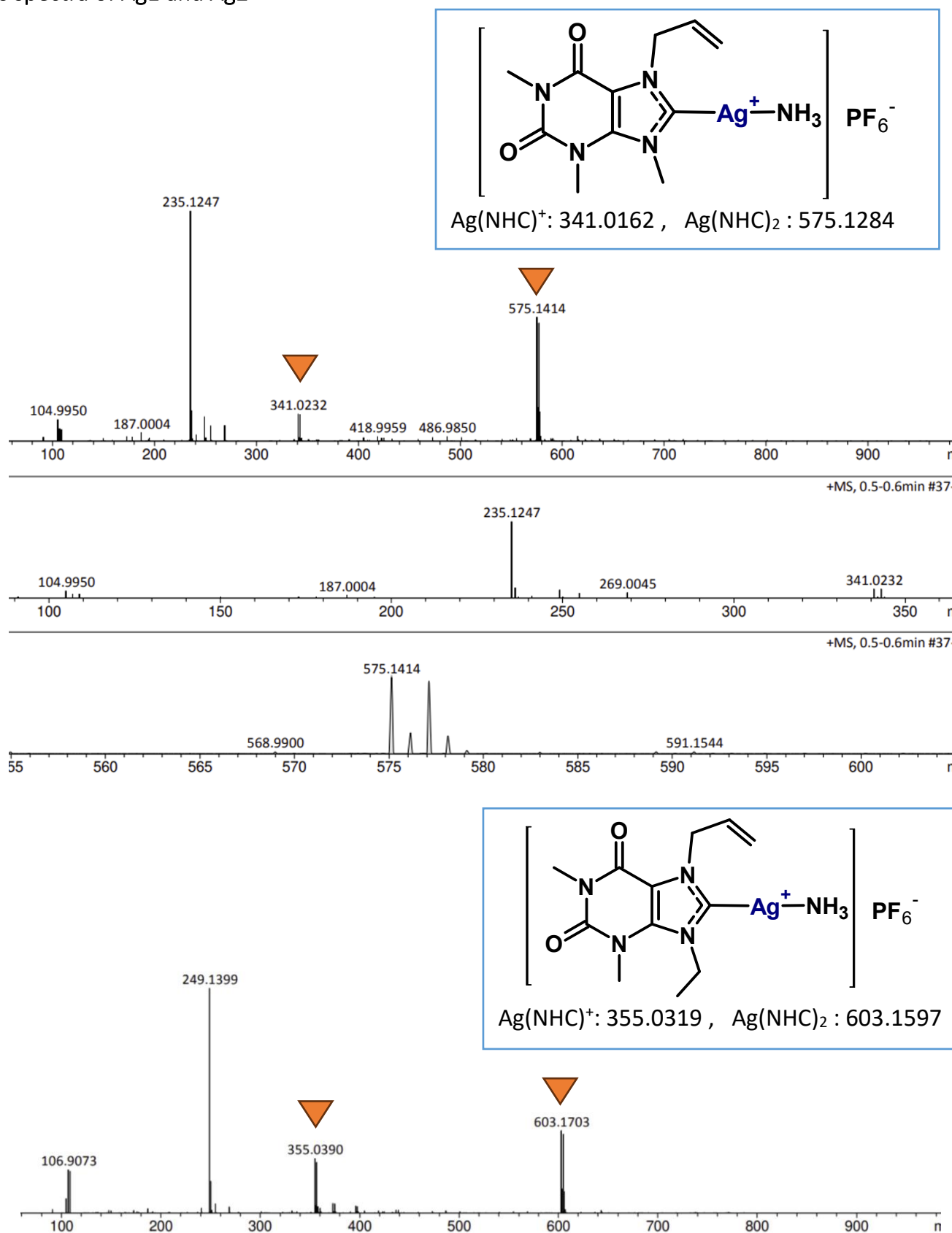
Mass spectra of 7b-1



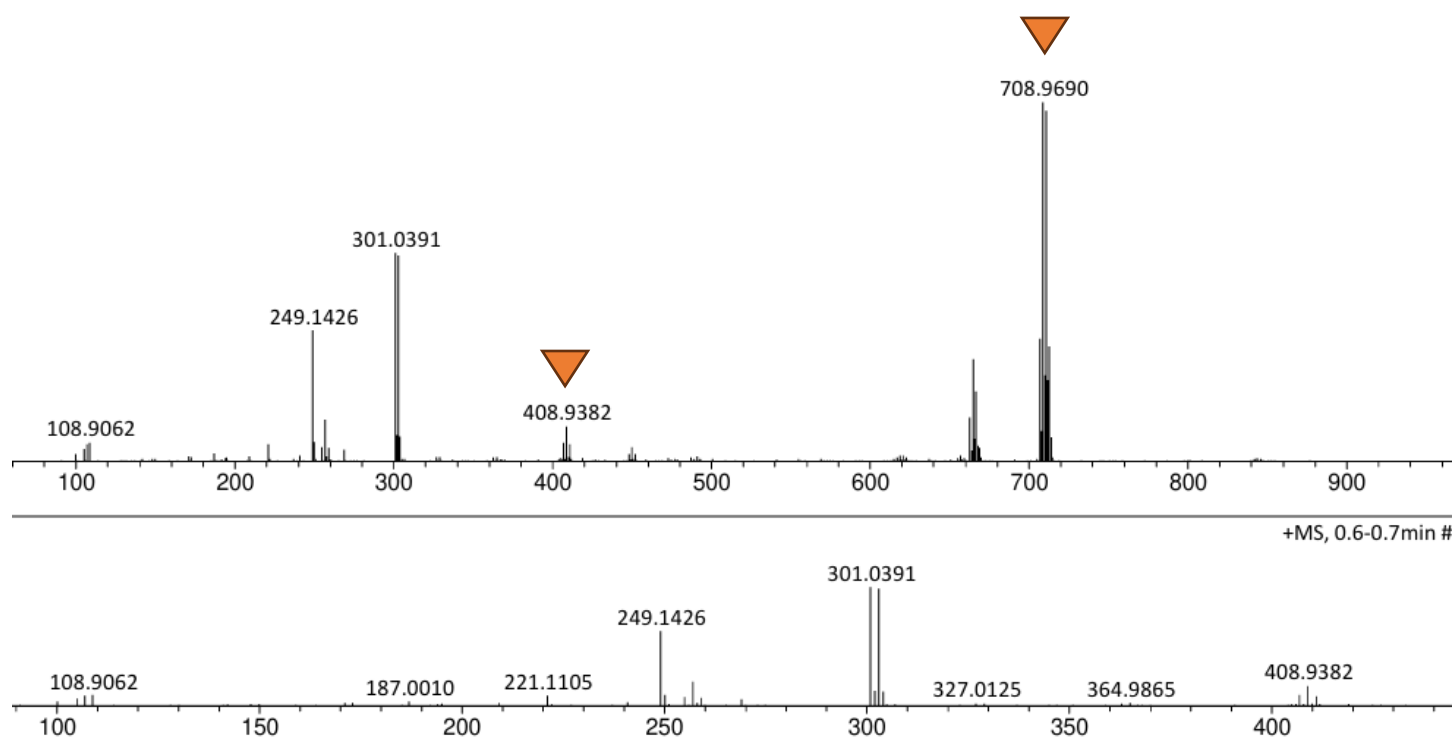
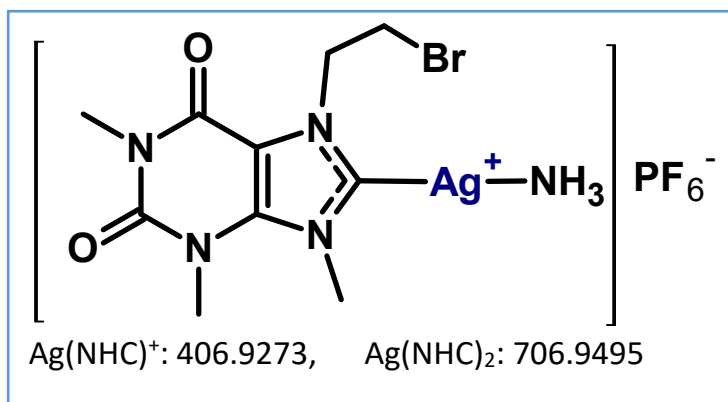
Mass spectra of 7b-2



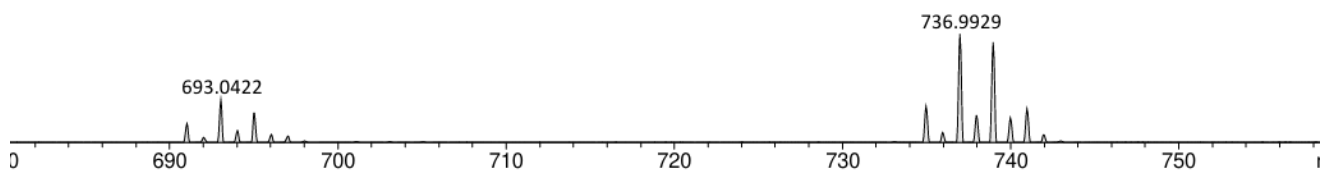
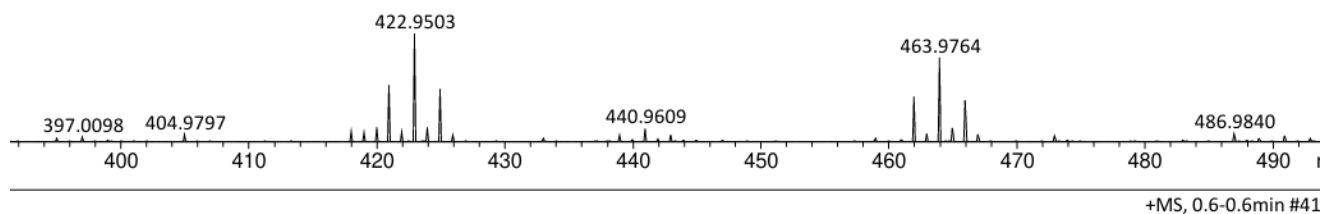
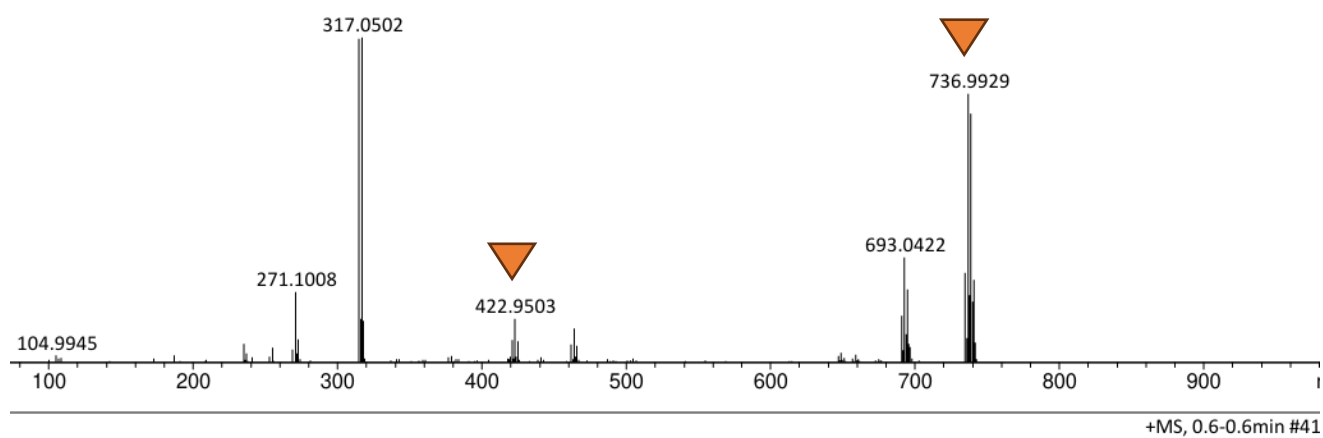
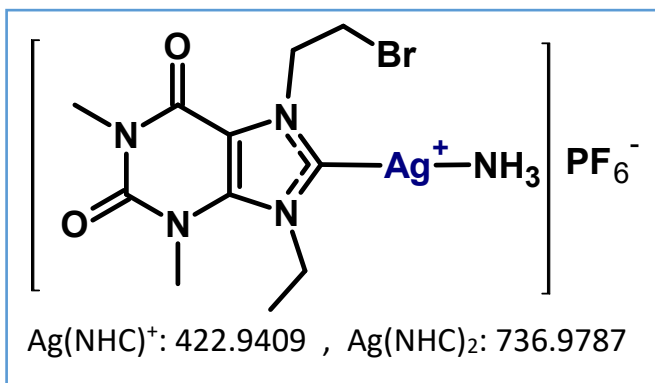
Mass spectra of Ag1 and Ag2



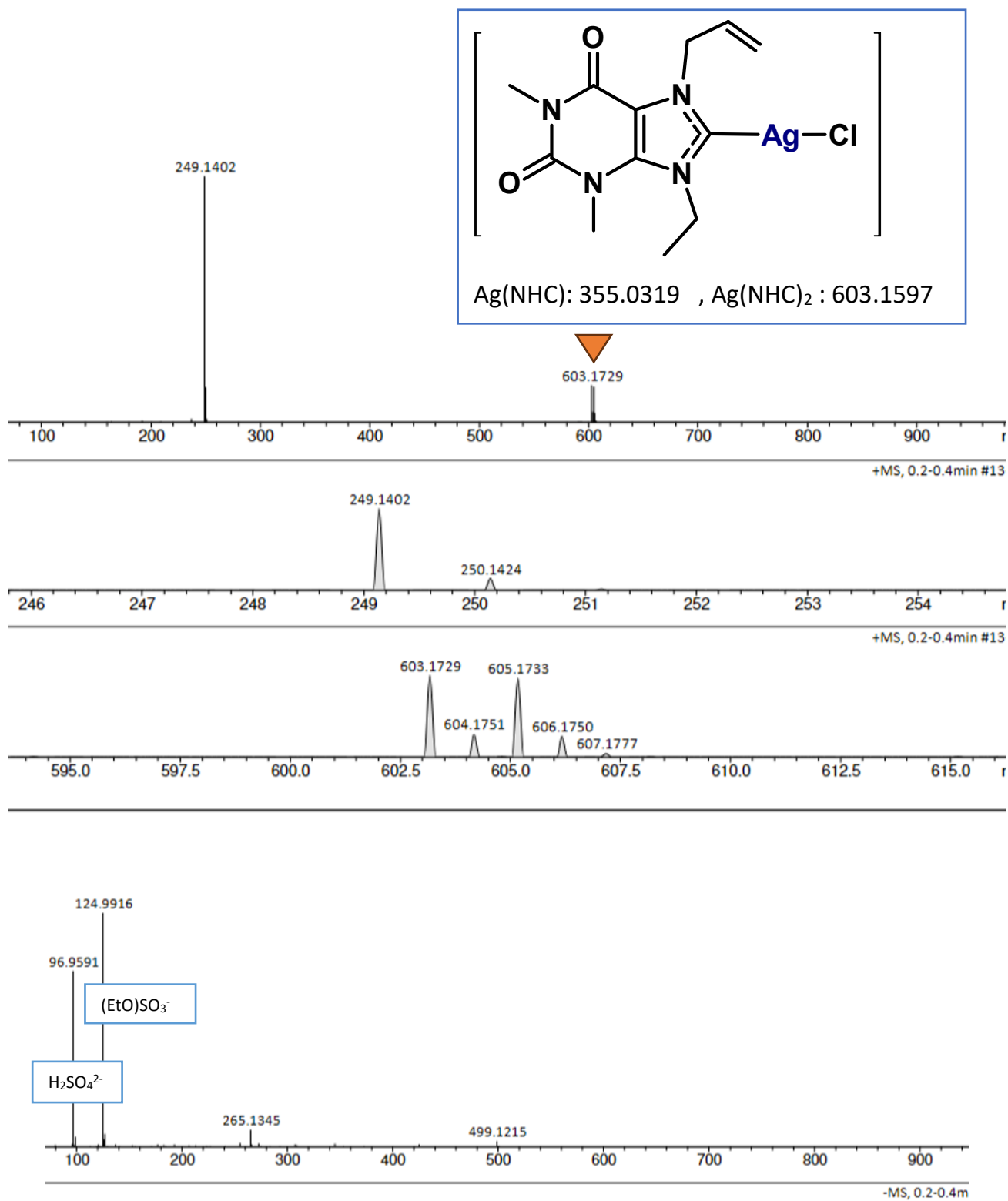
Mass spectra of Ag3



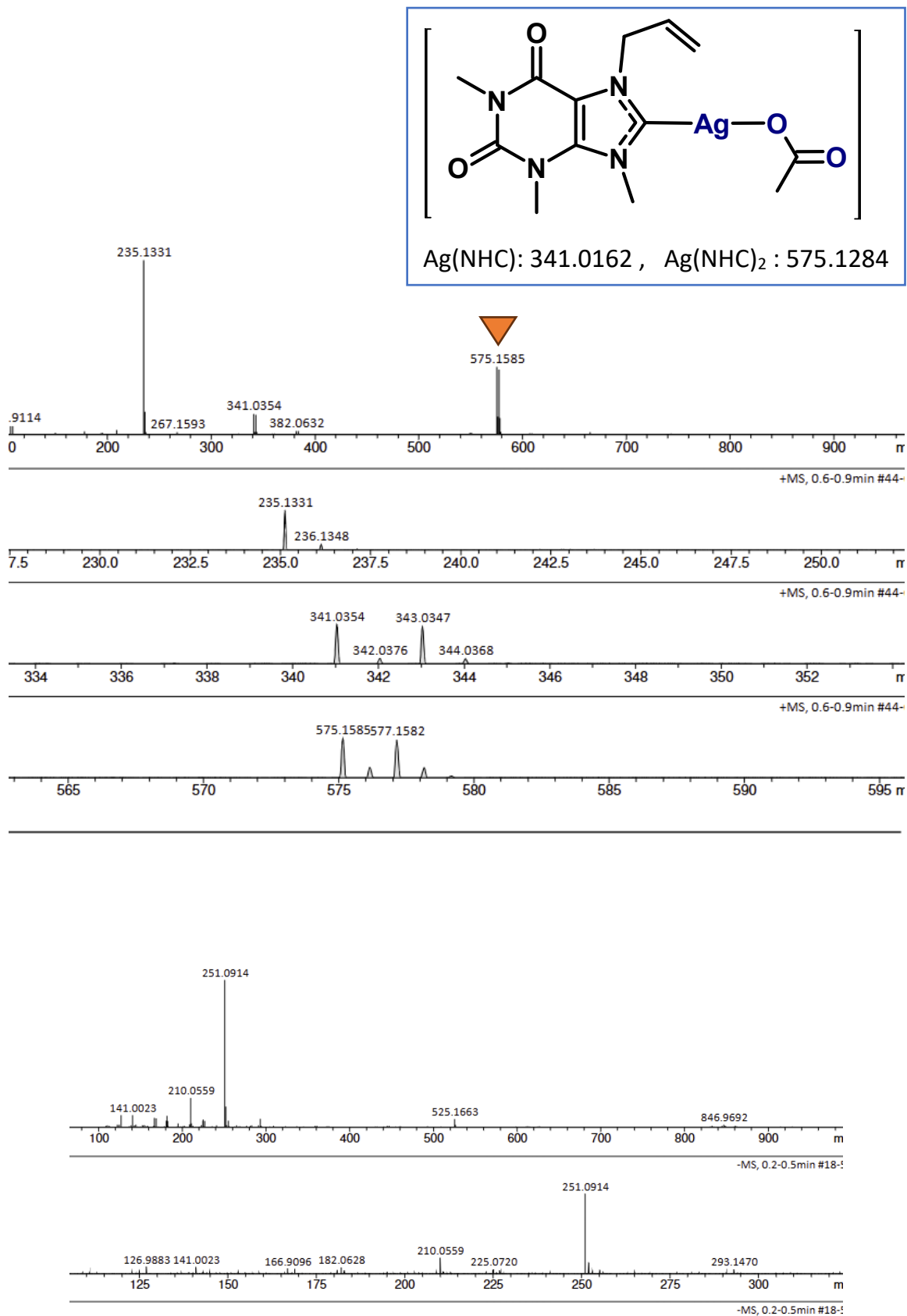
Mass spectra of Ag4



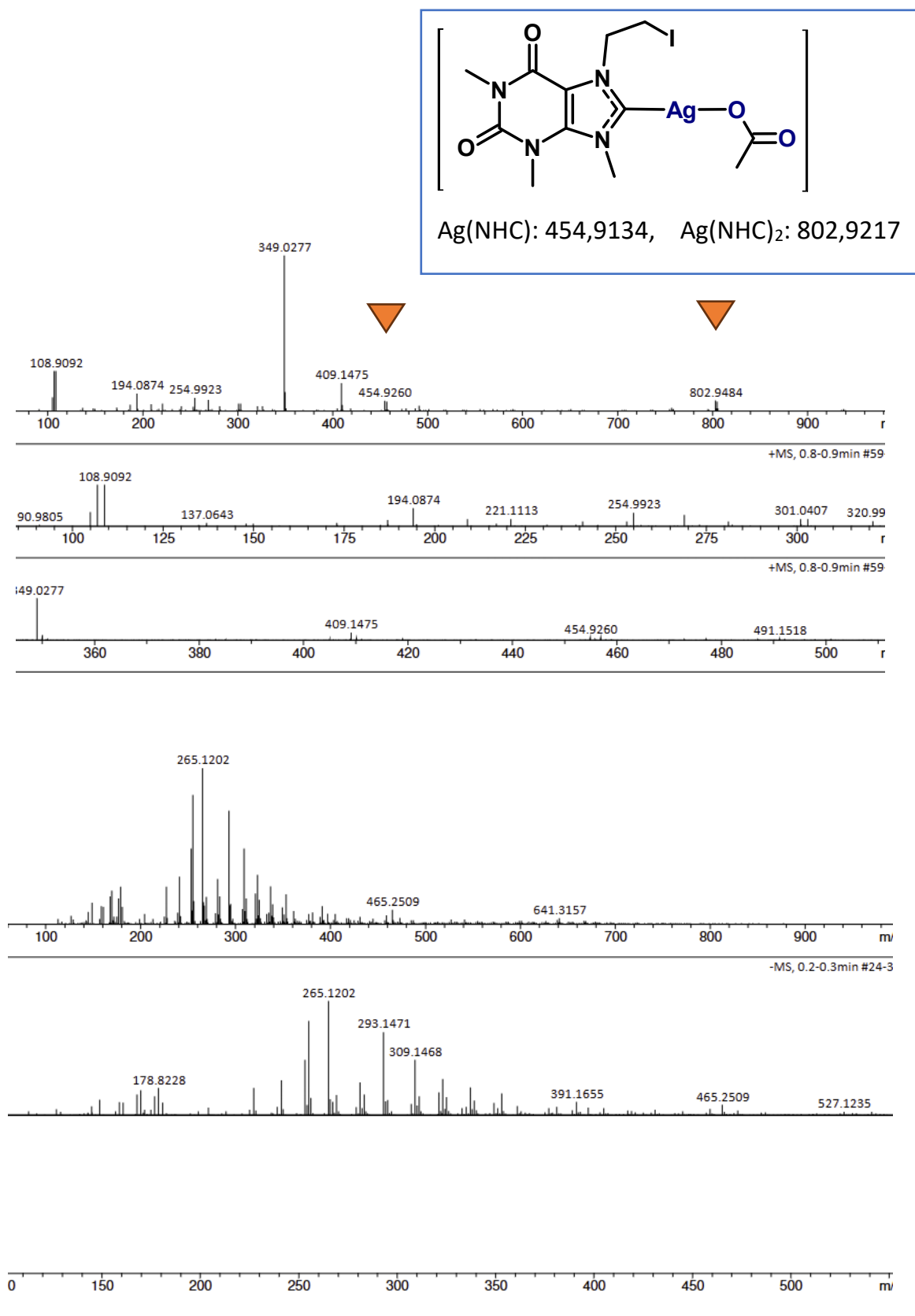
Mass spectra of Ag5



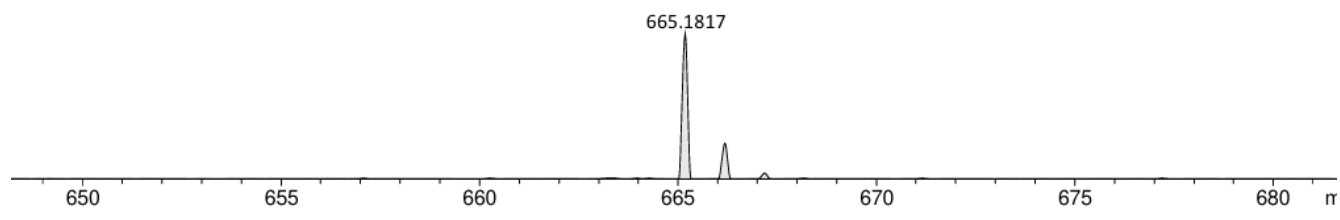
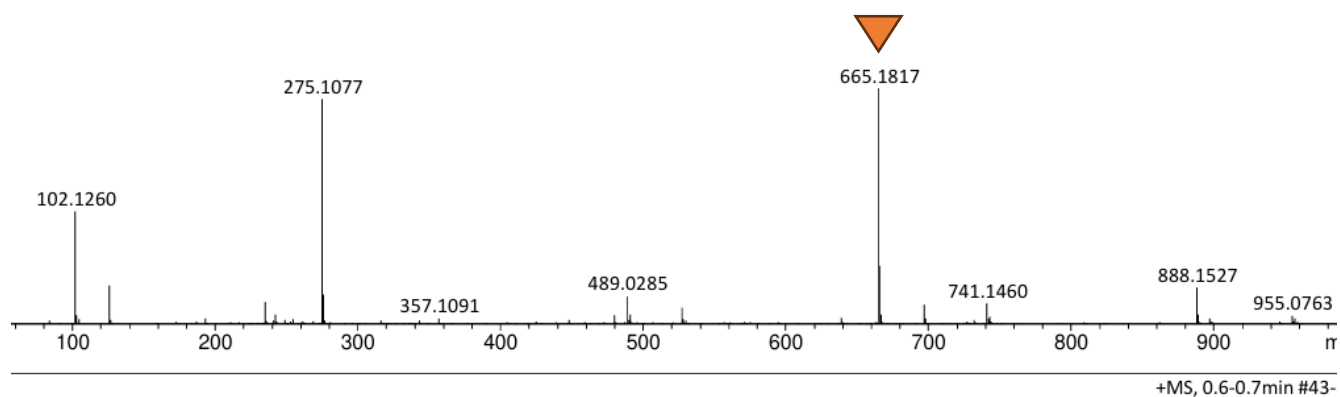
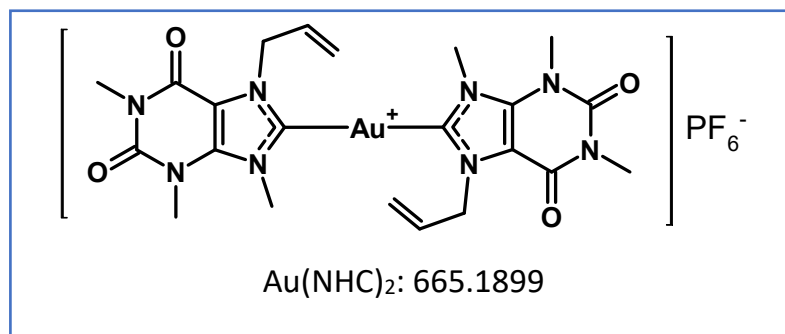
Mass spectra of Ag6



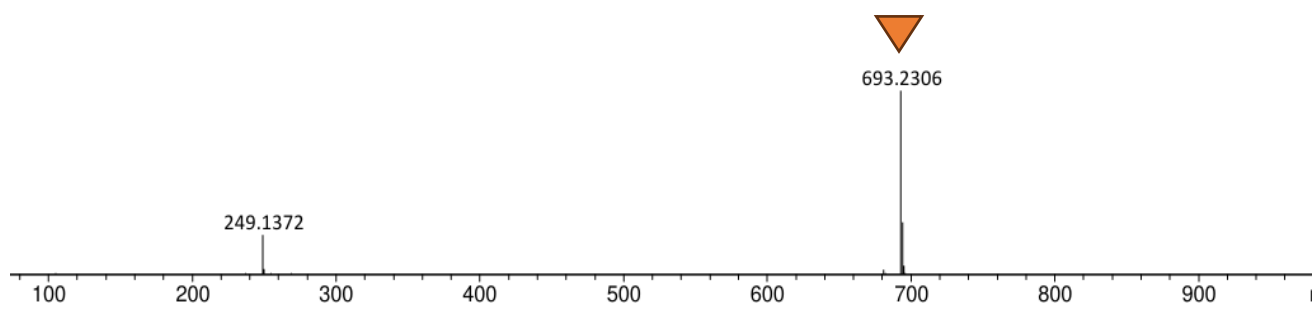
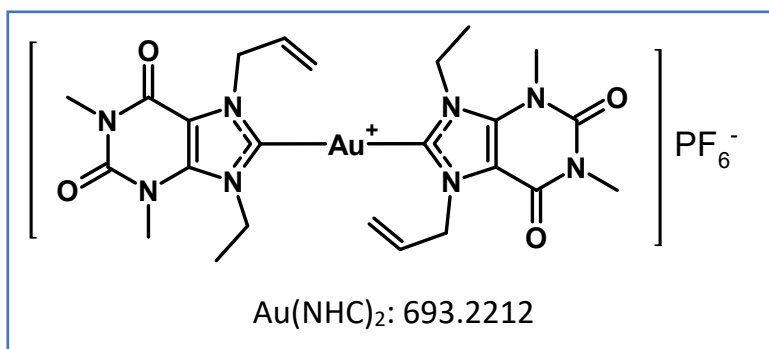
Mass spectra of Ag7



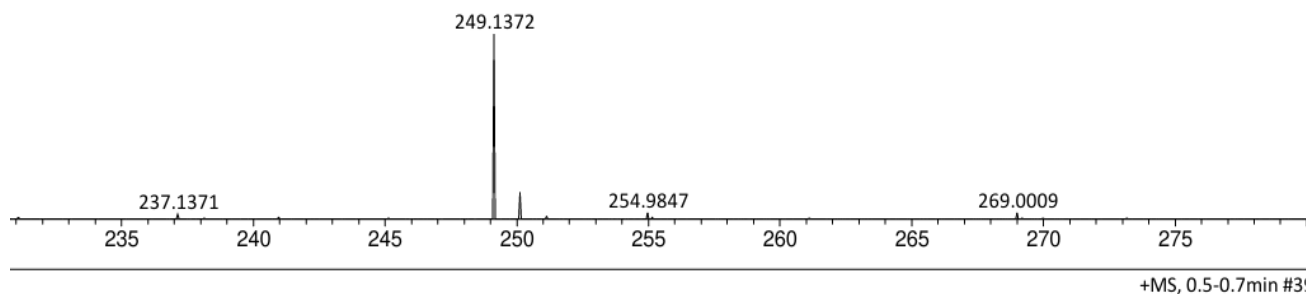
Mass spectra of Au1



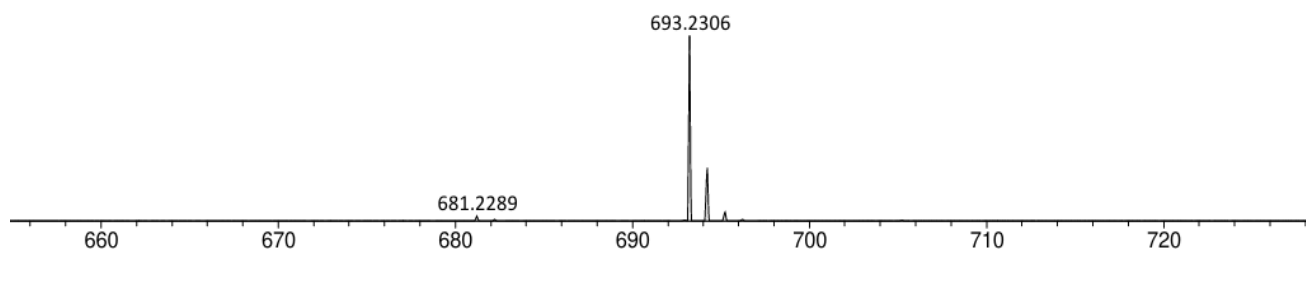
Mass spectra of Au2



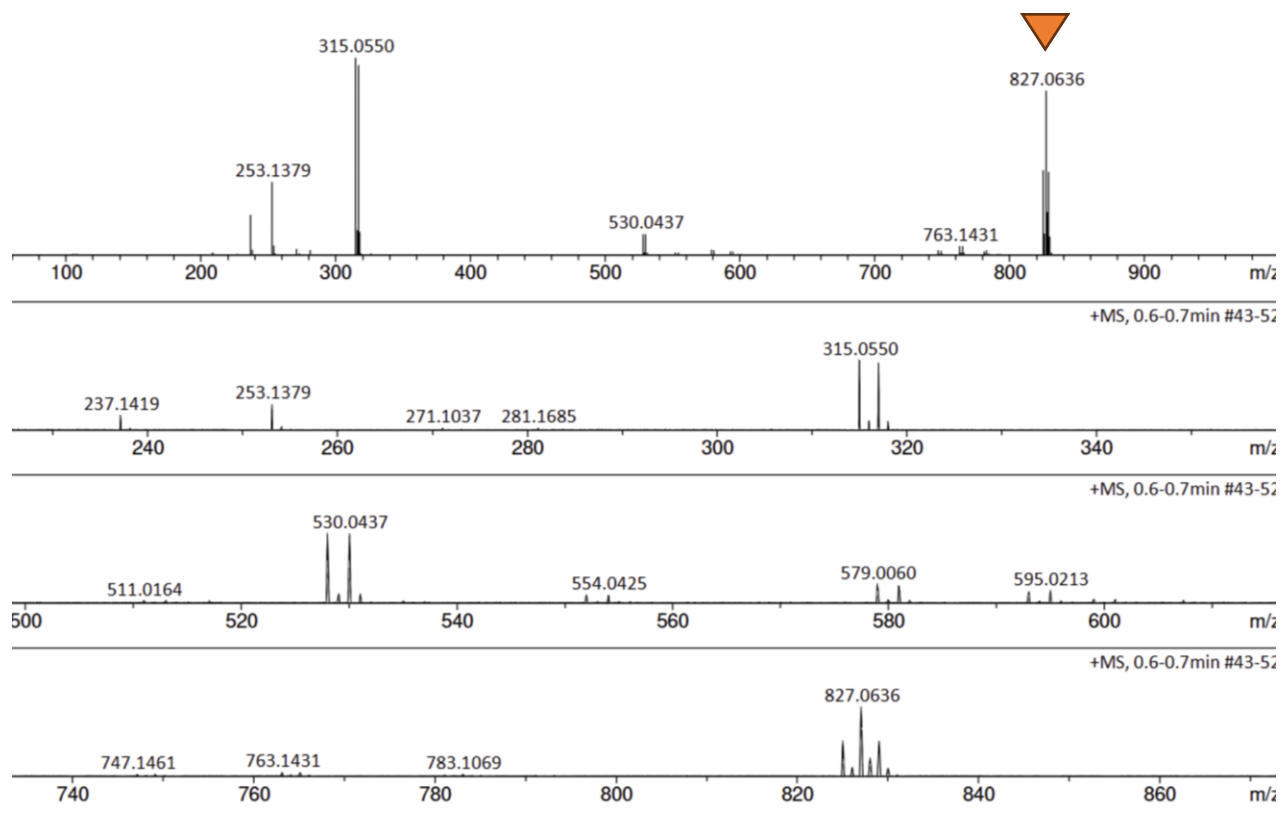
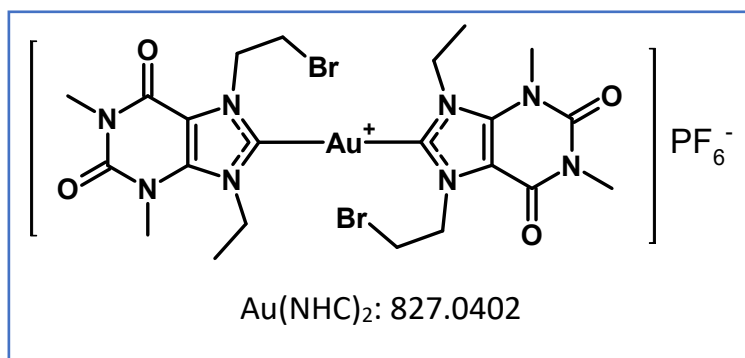
+MS, 0.5-0.7min #39



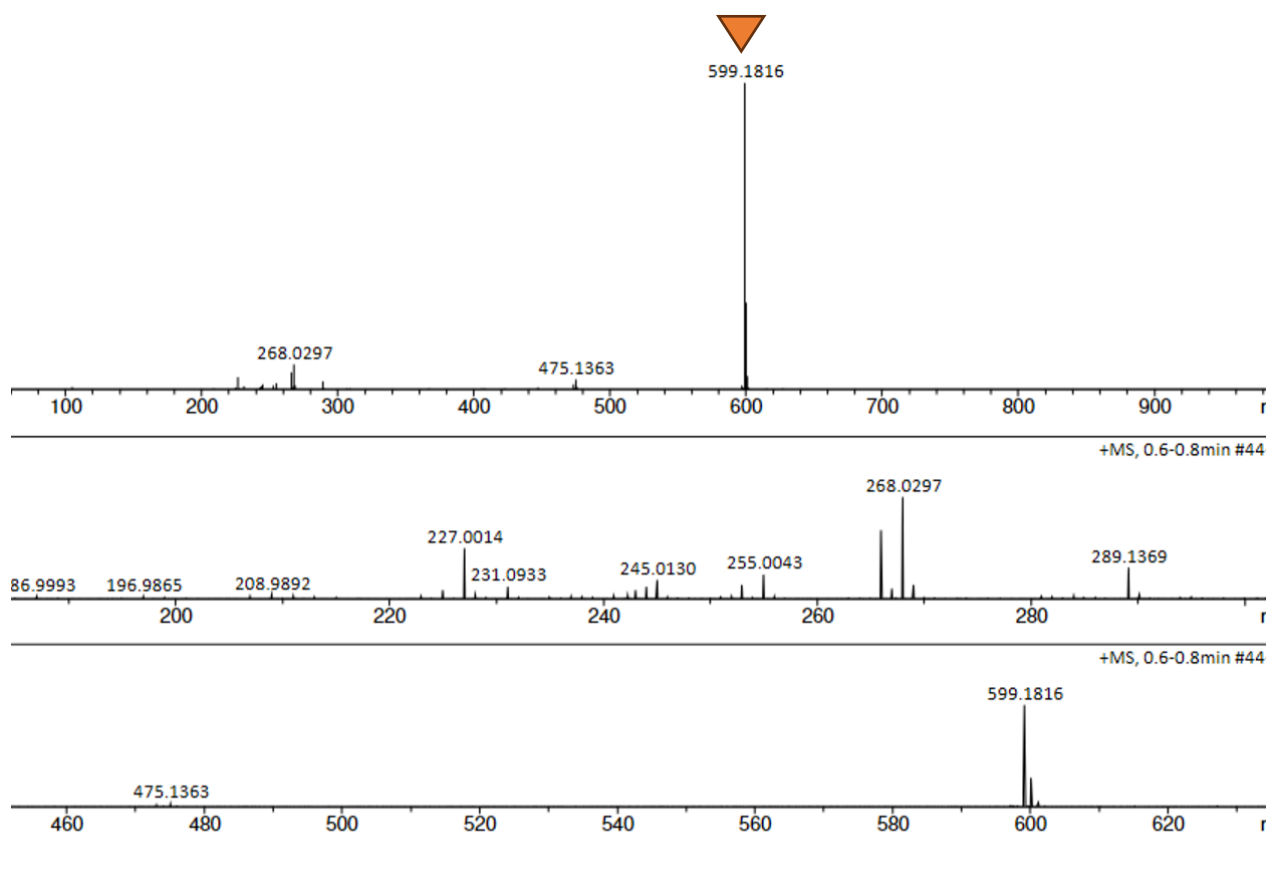
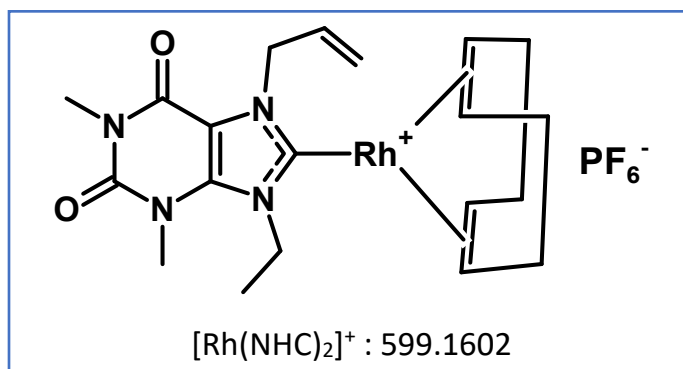
+MS, 0.5-0.7min #39



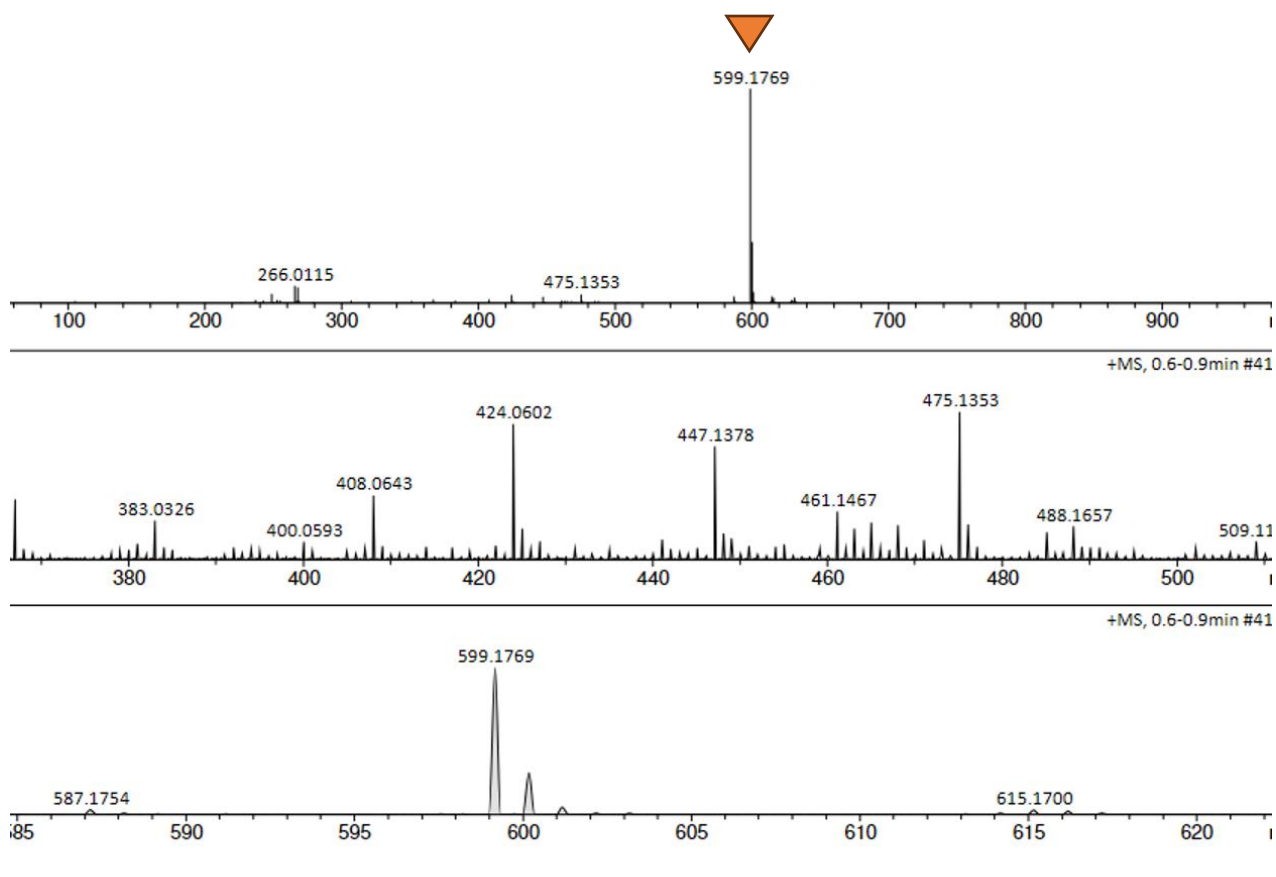
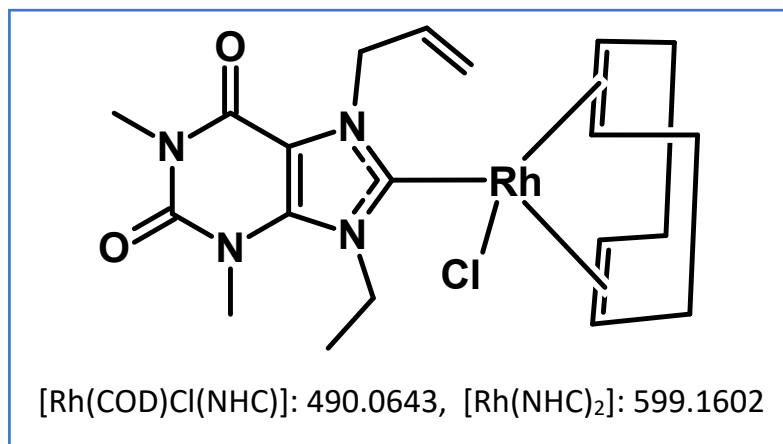
Mass spectra of Au3



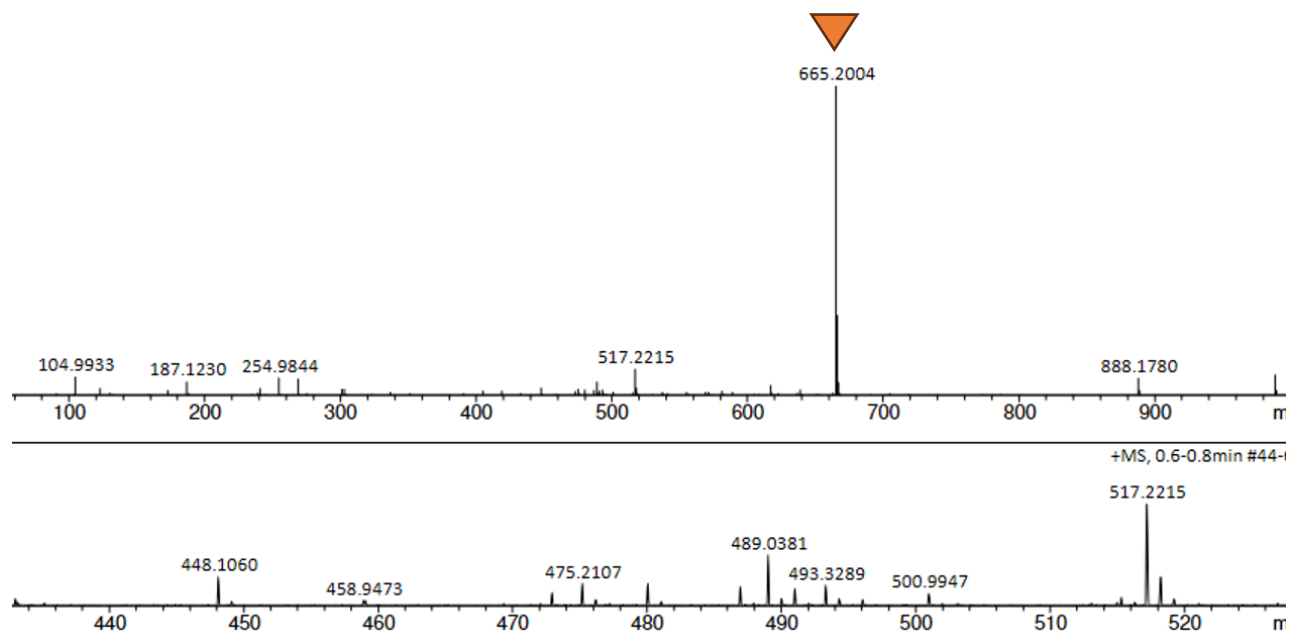
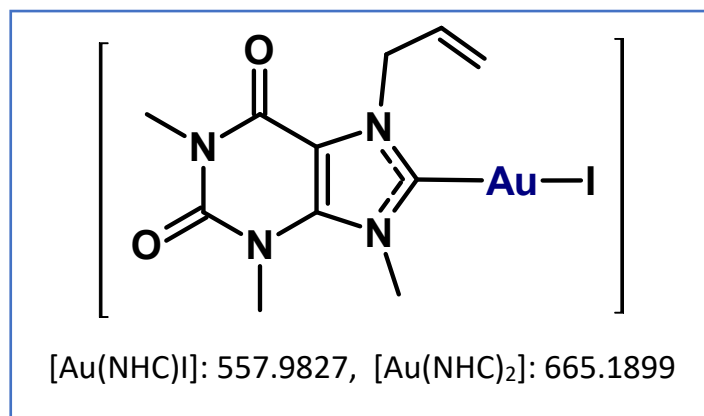
Mass spectra of Rh1



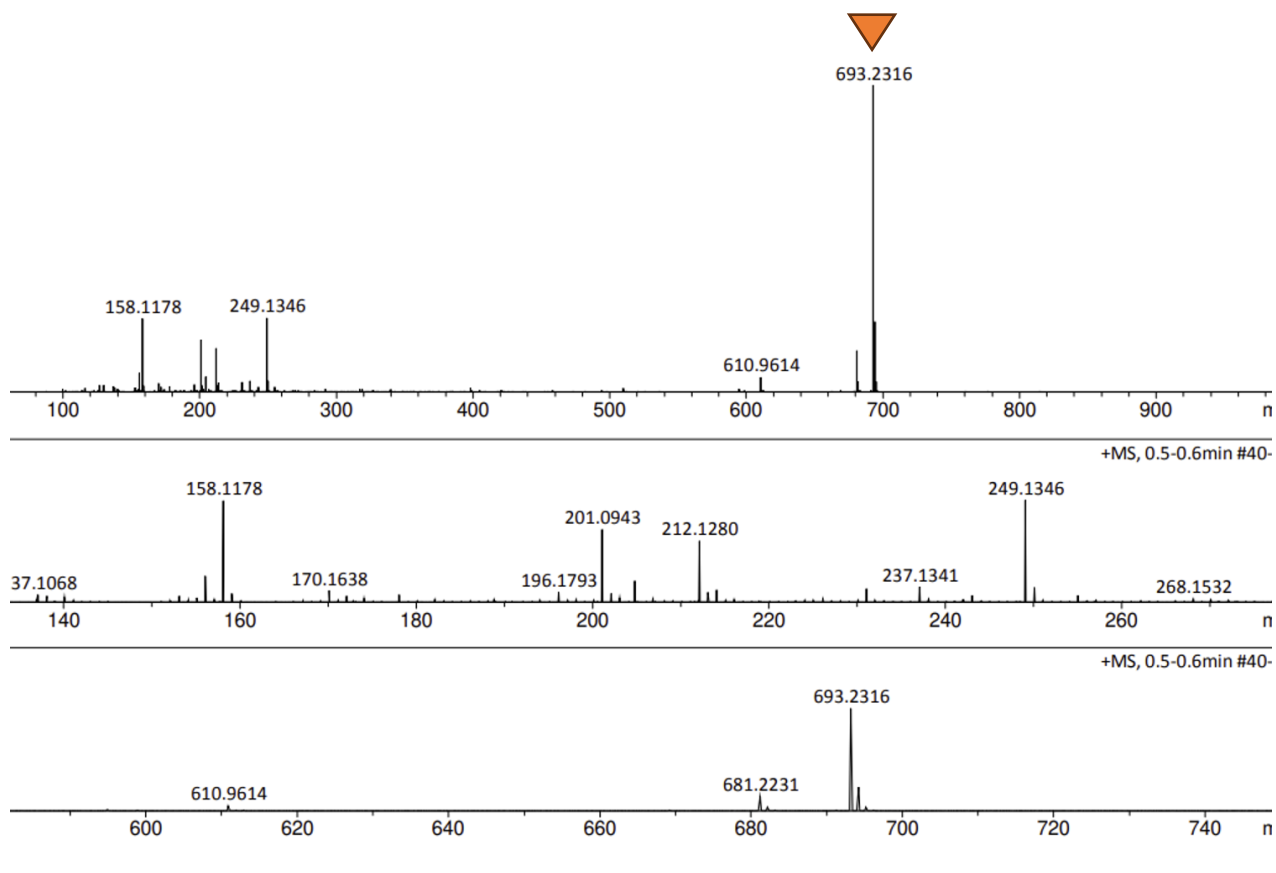
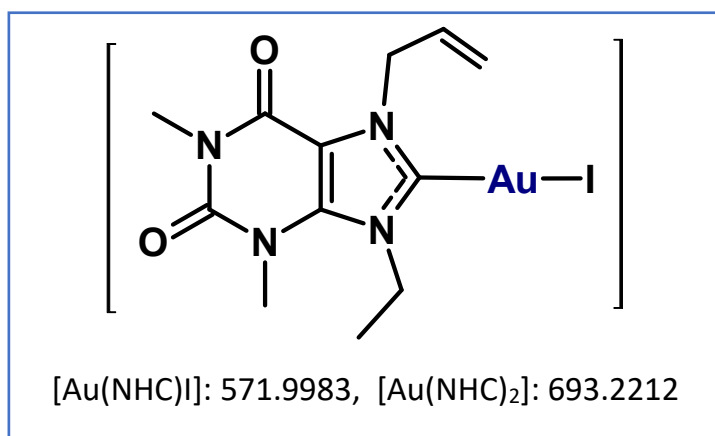
Mass spectra of Rh2



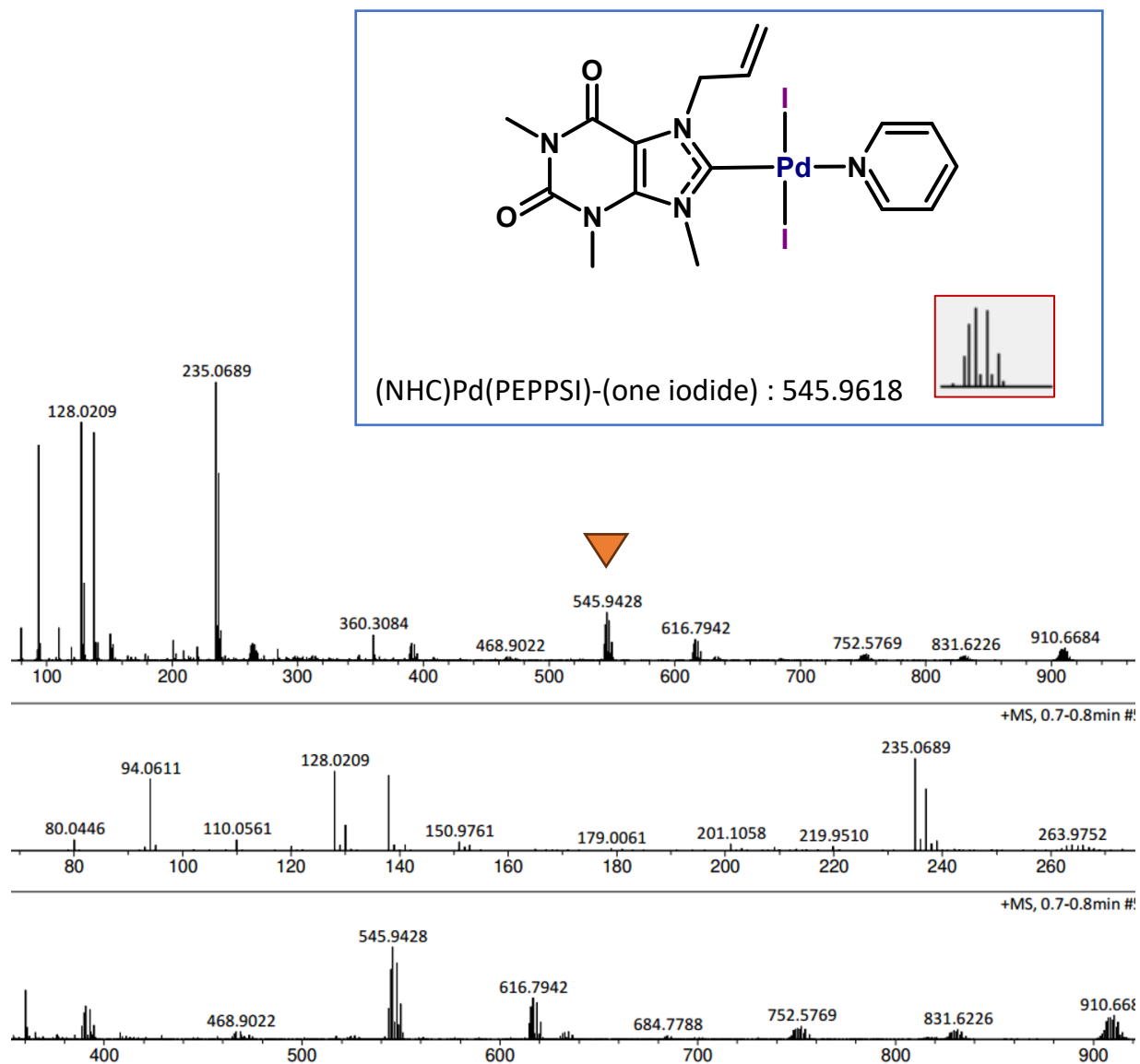
Mass spectra of Au4



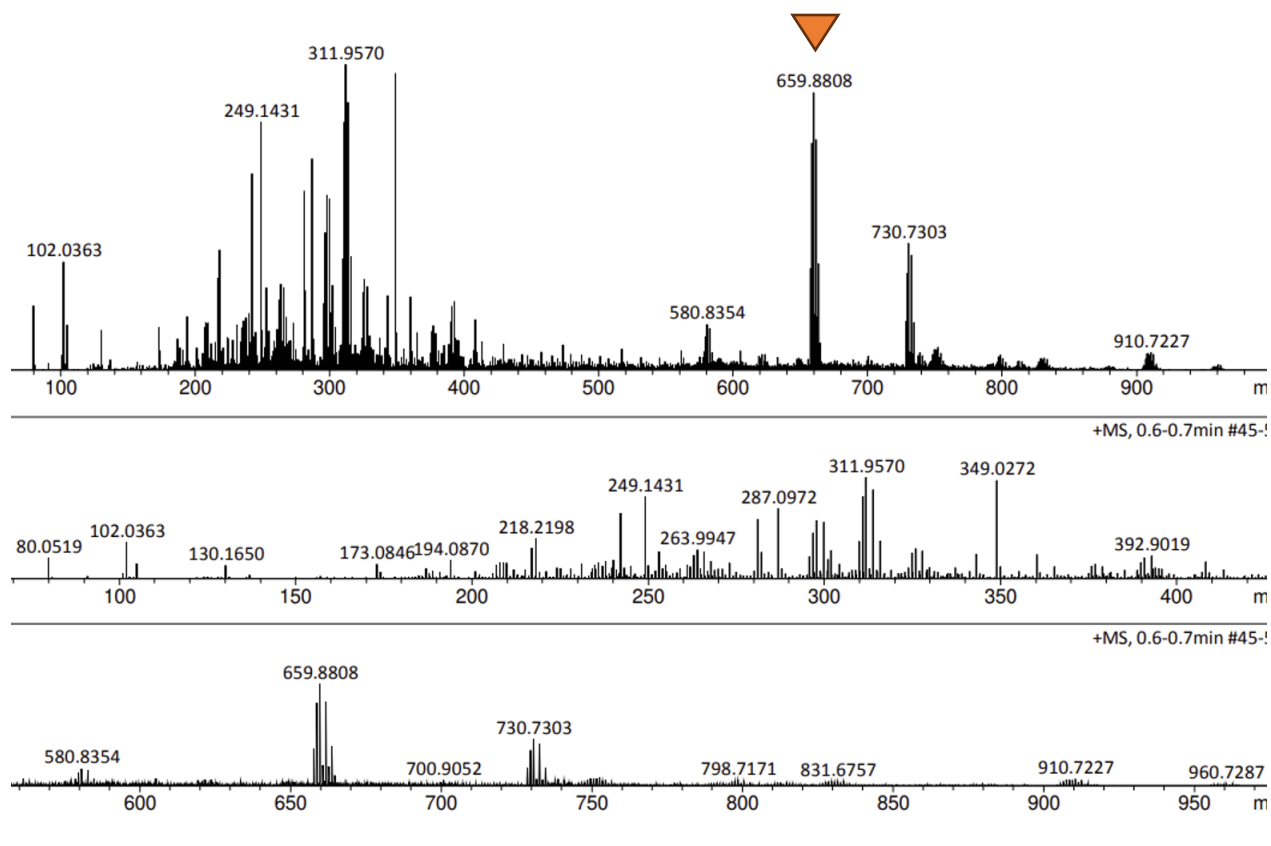
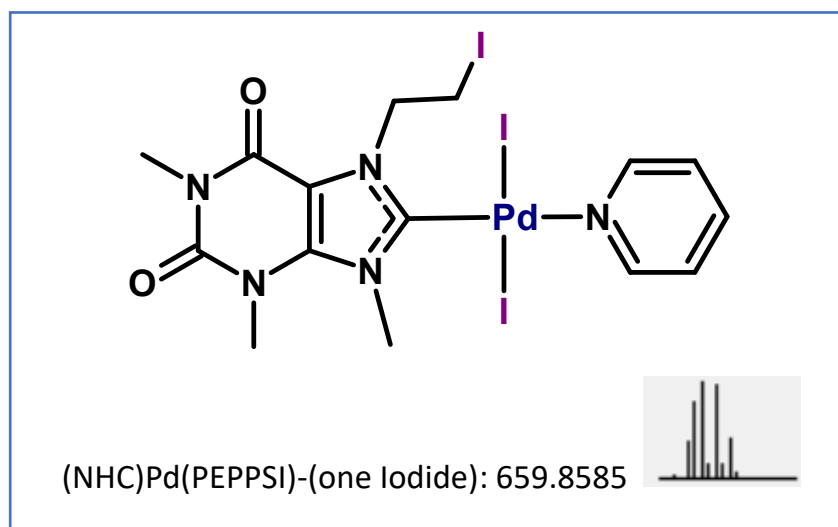
Mass spectra of Au5



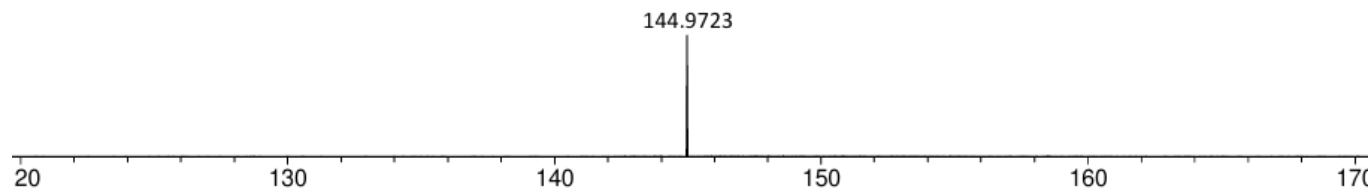
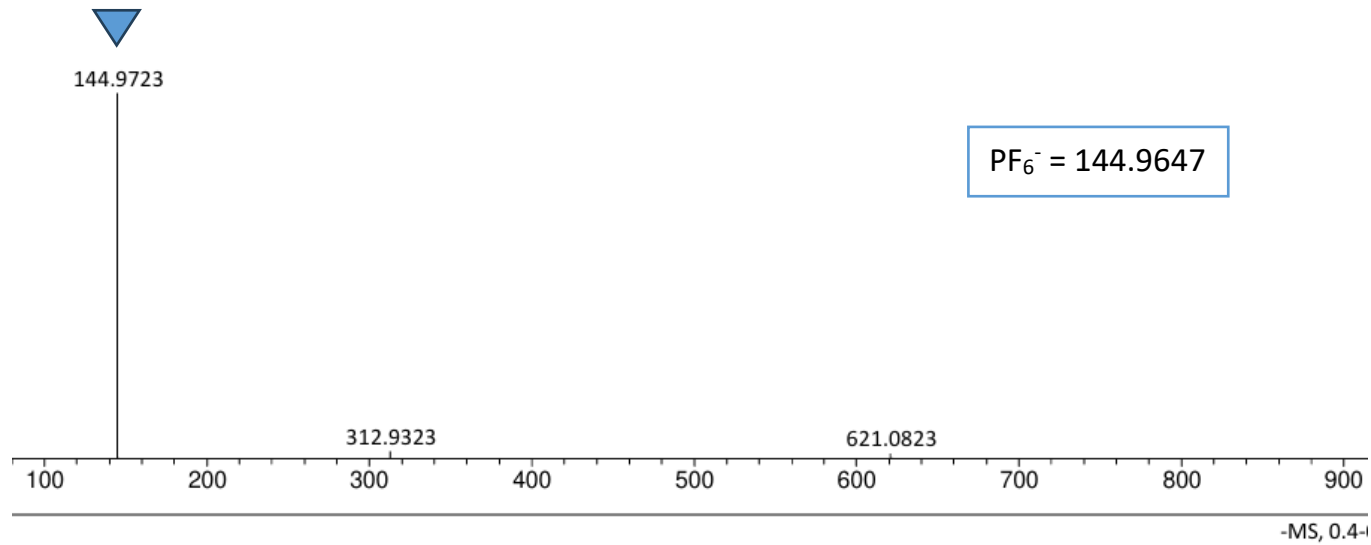
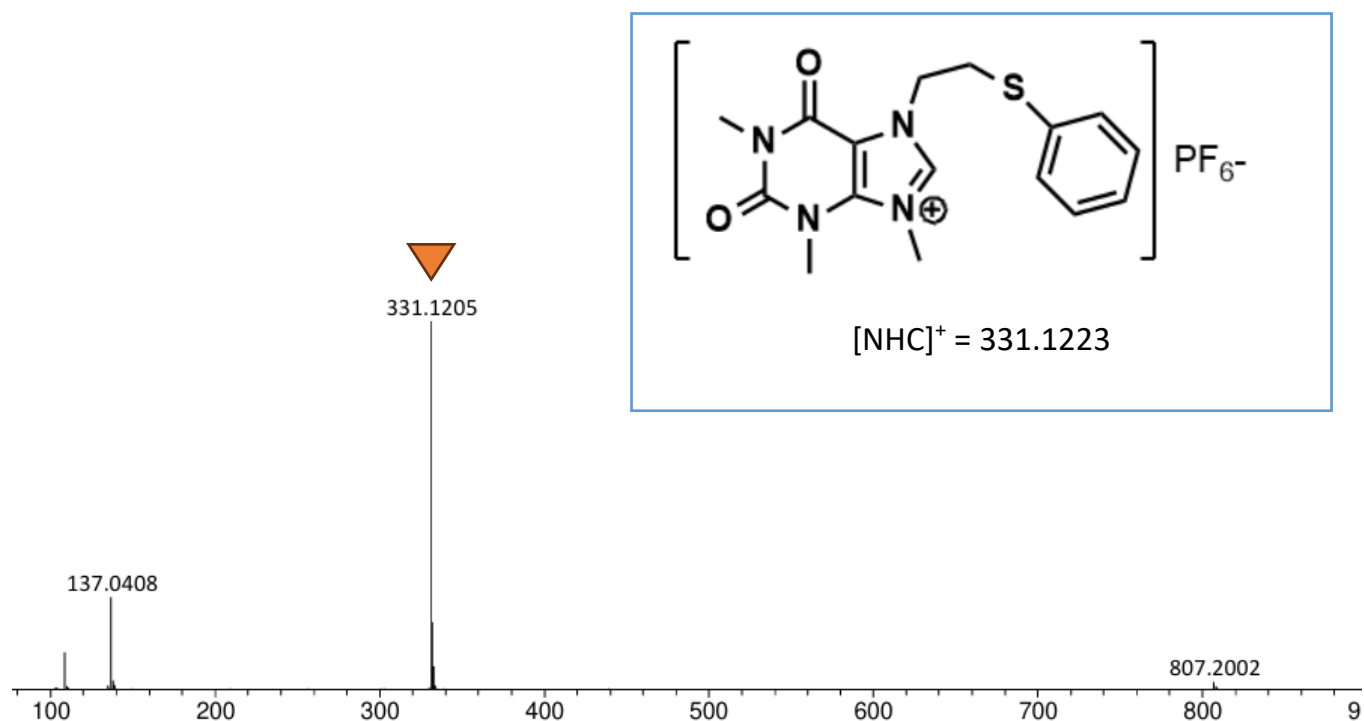
Mass spectra of Pd1



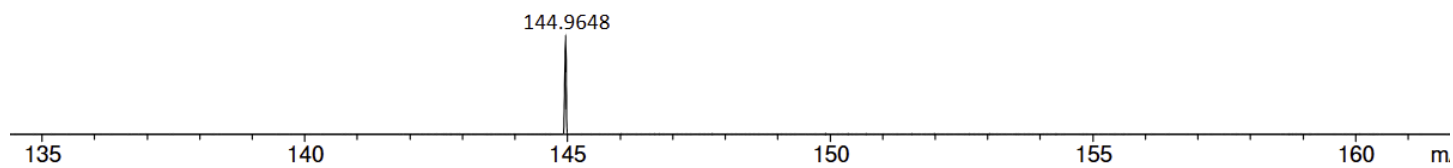
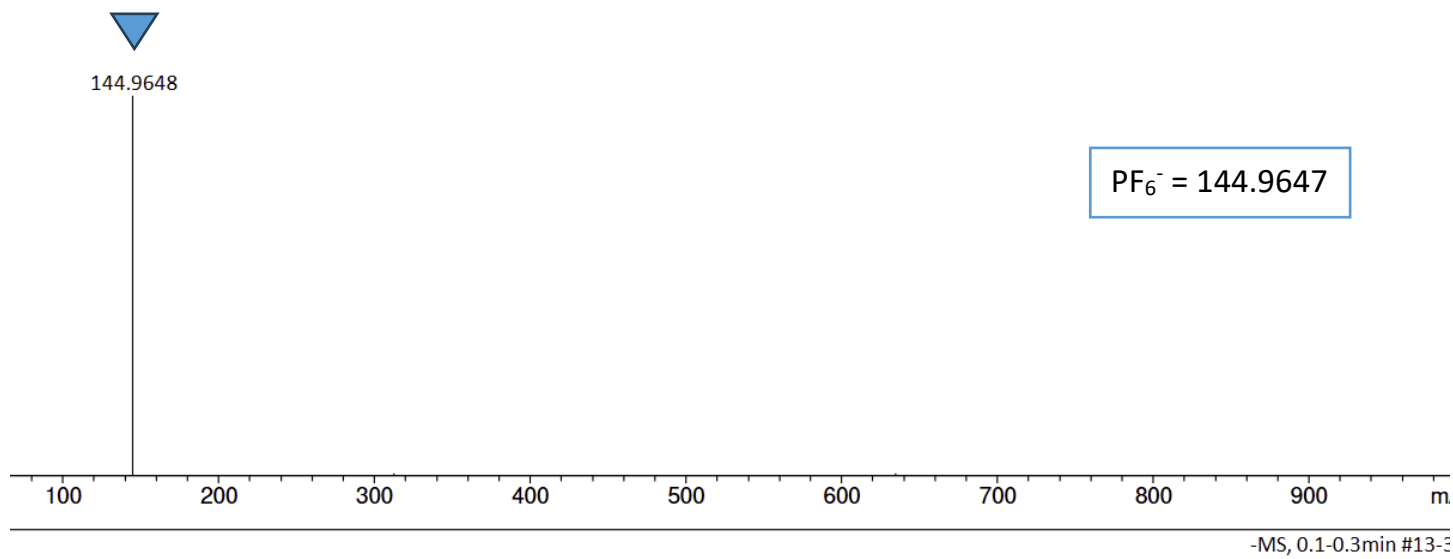
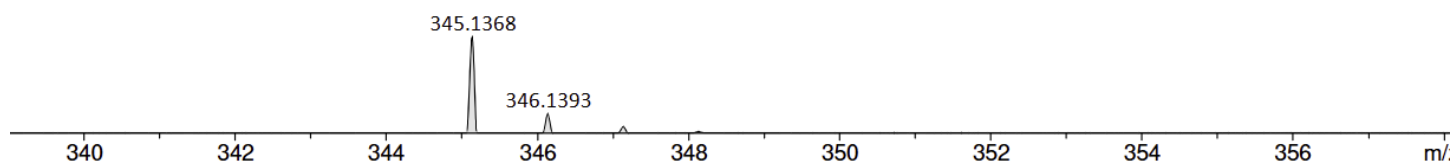
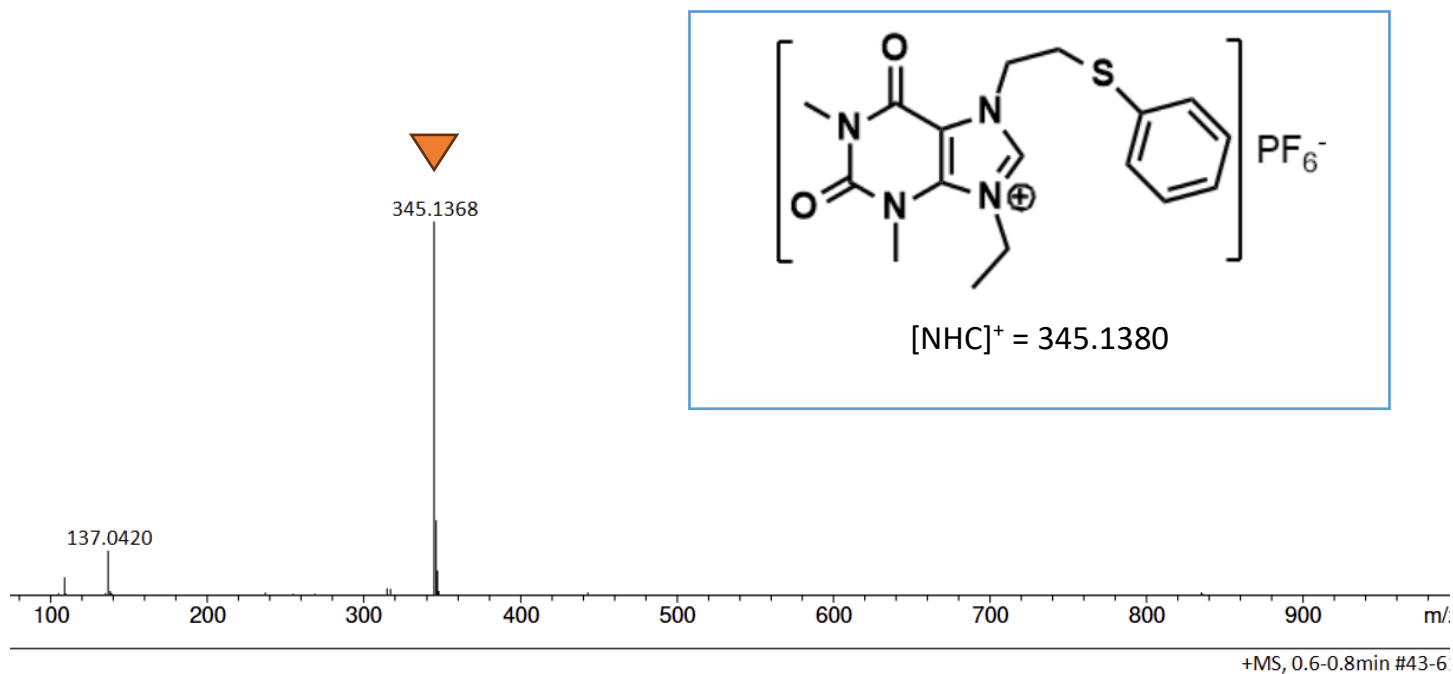
Mass spectra of Pd2



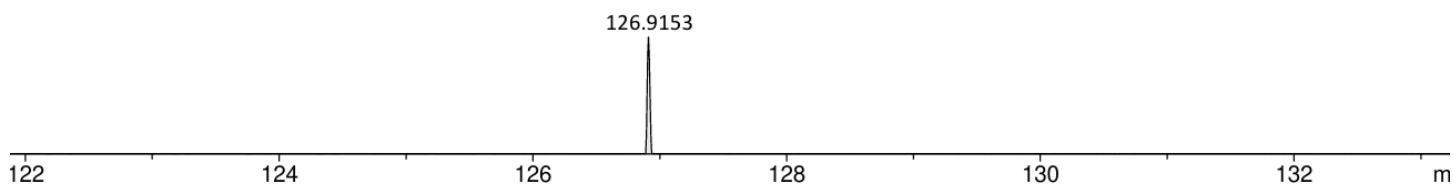
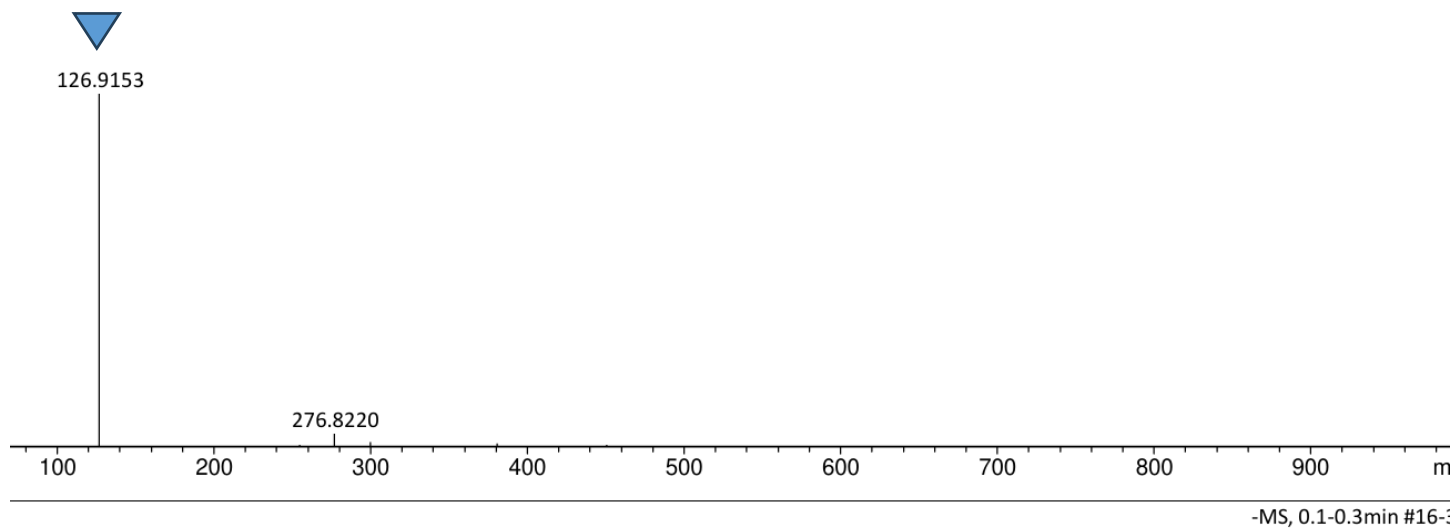
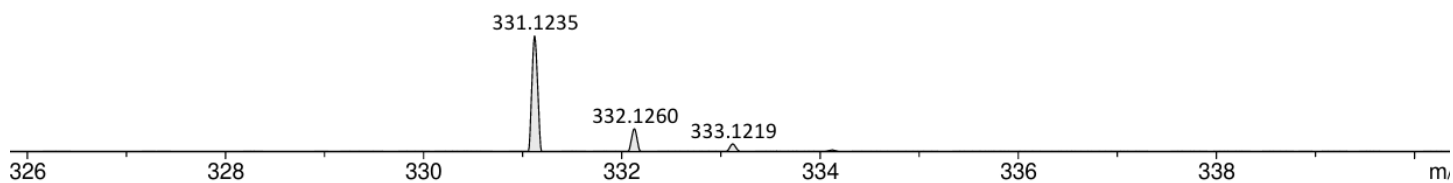
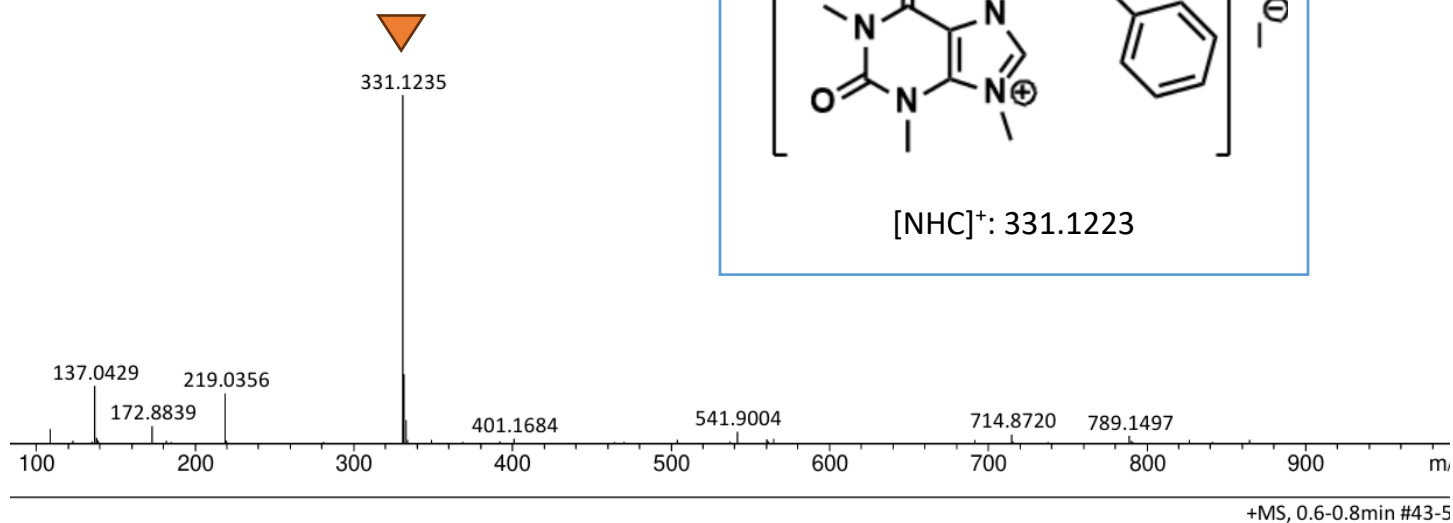
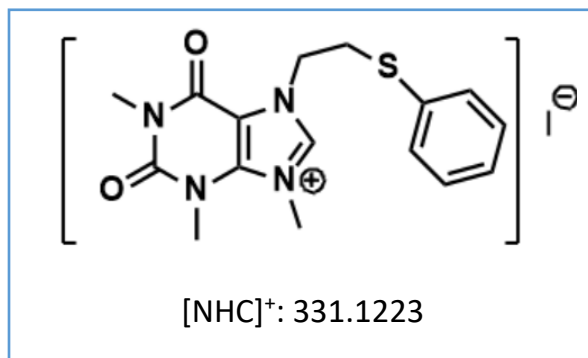
Mass spectra of T-1



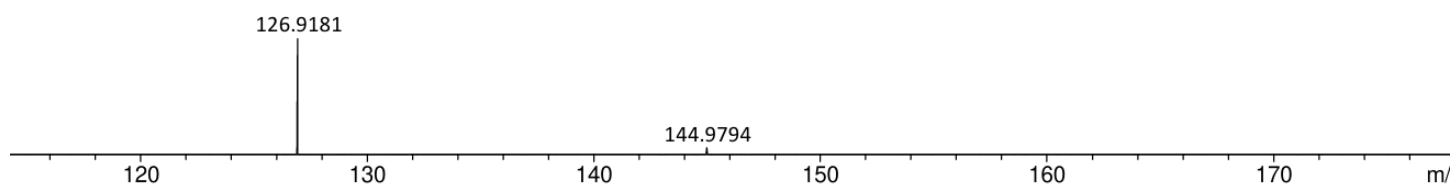
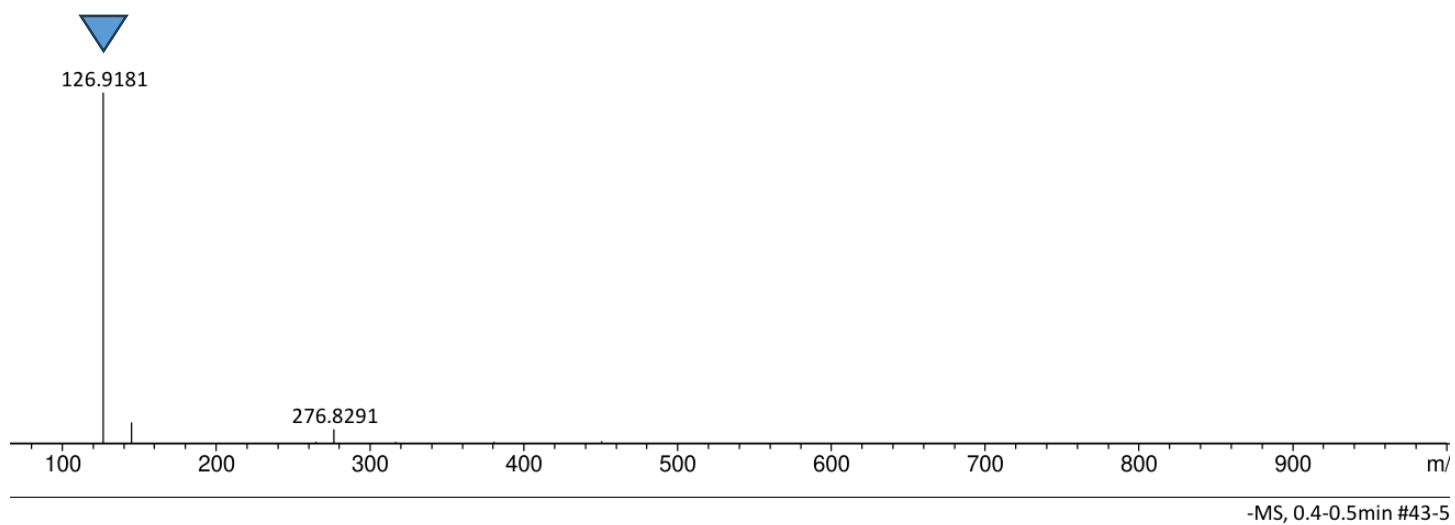
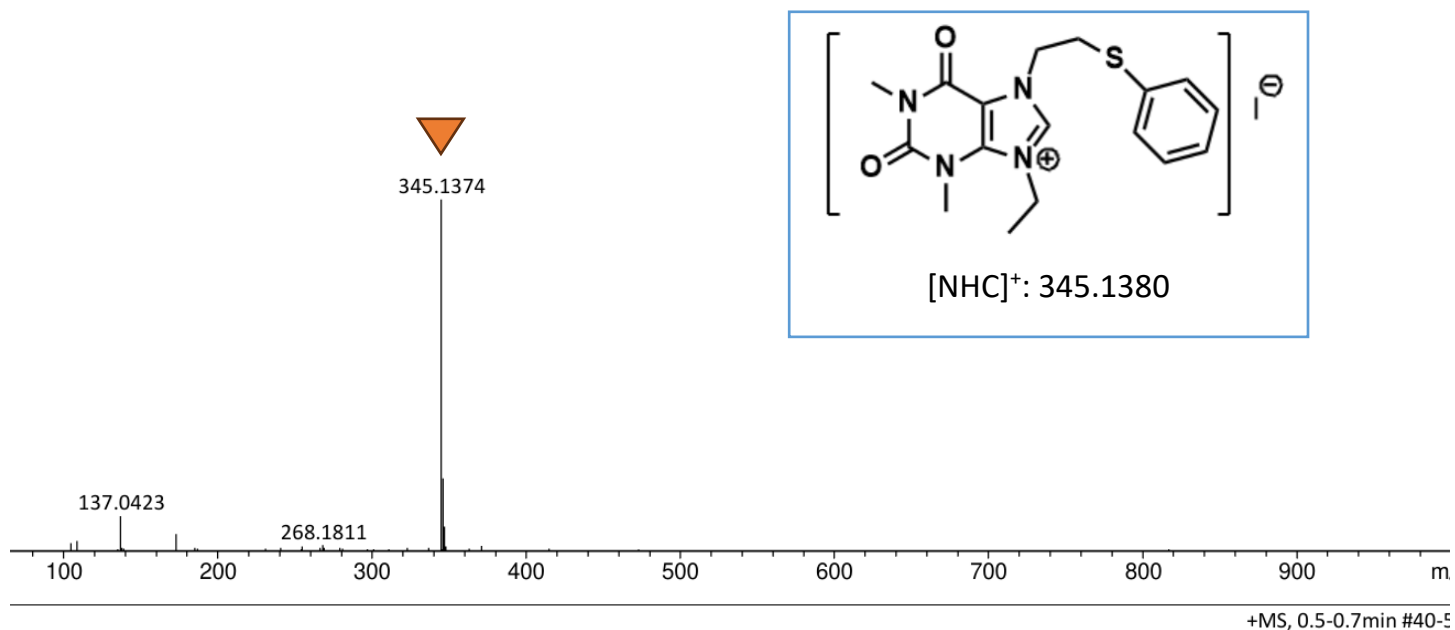
Mass spectra of T-2



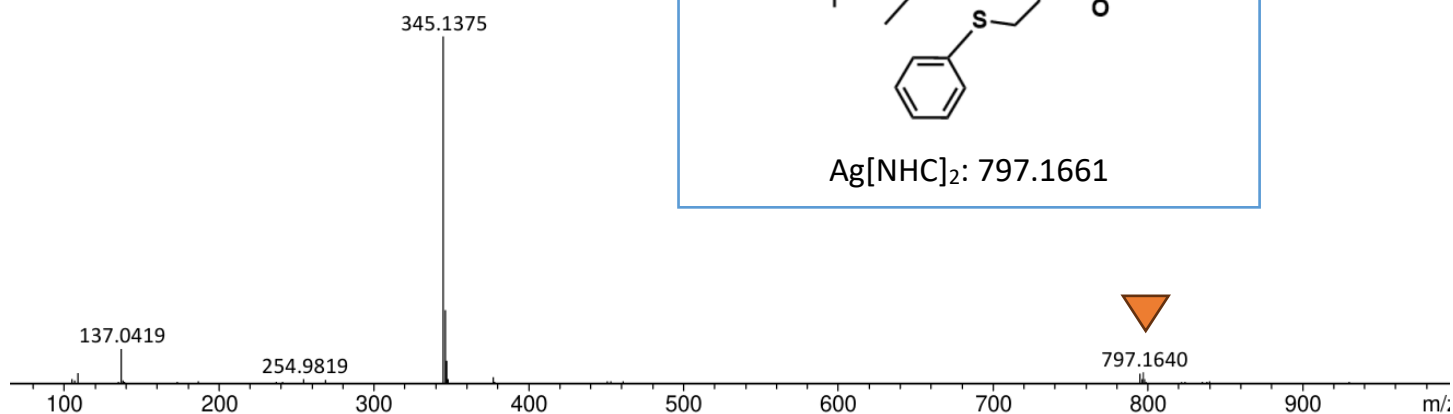
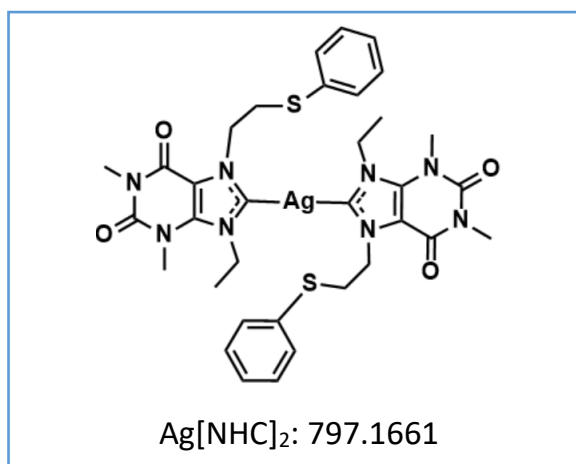
Mass spectra of T-3



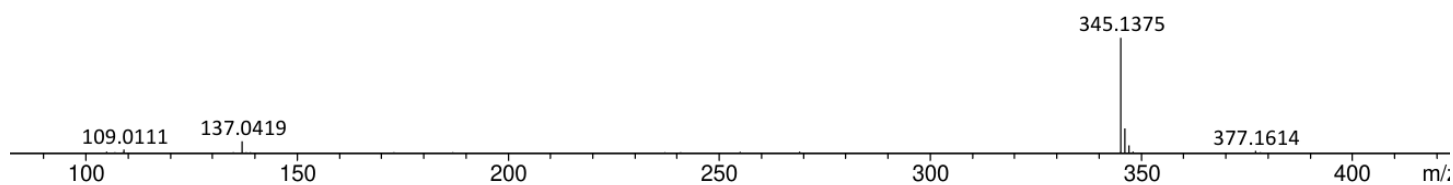
Mass spectra of T-4



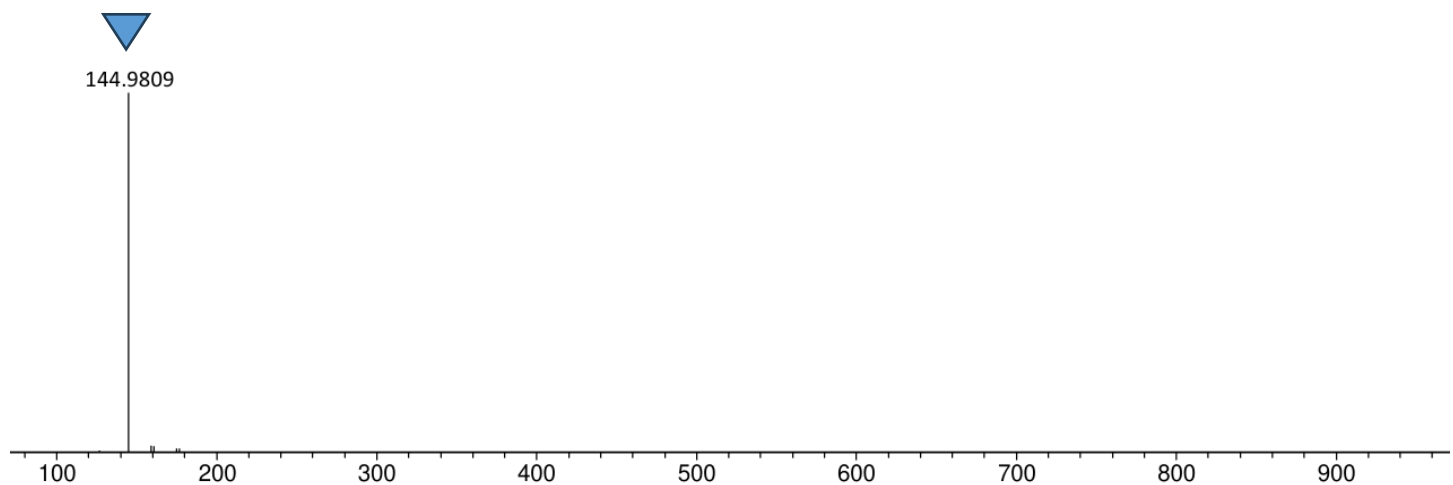
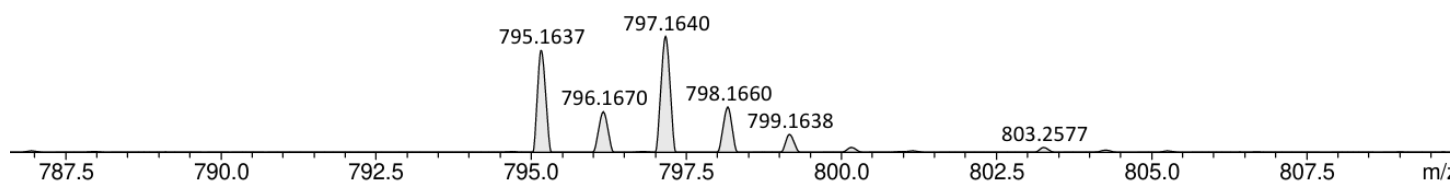
Mass spectra of Ag8



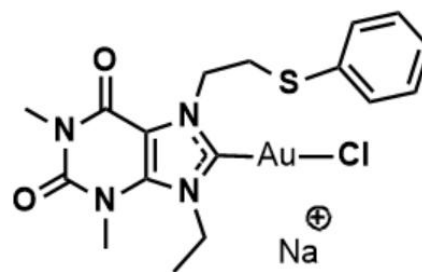
+MS, 0.3-0.4min #22-23



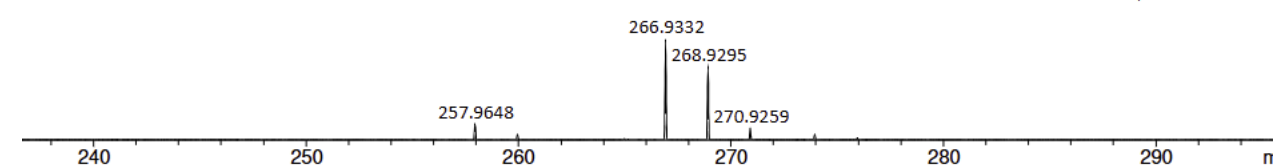
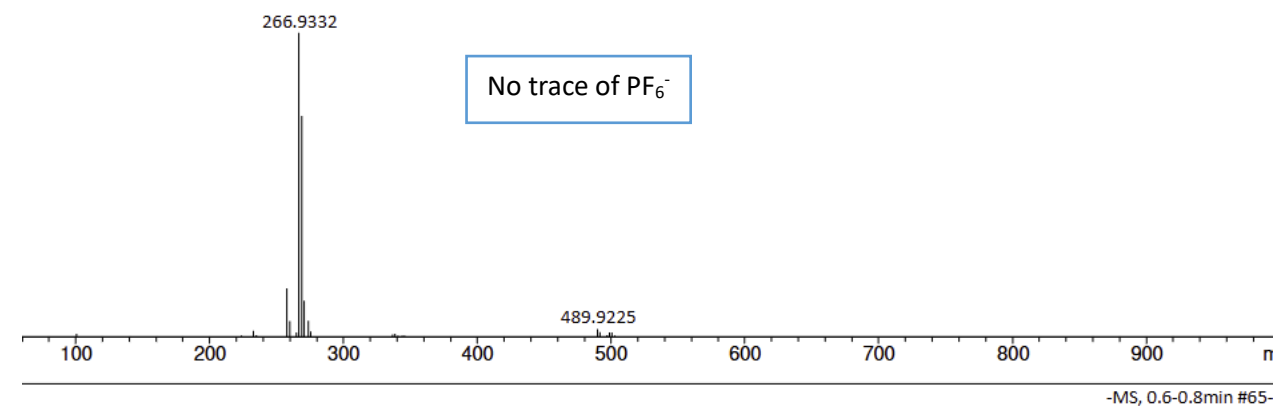
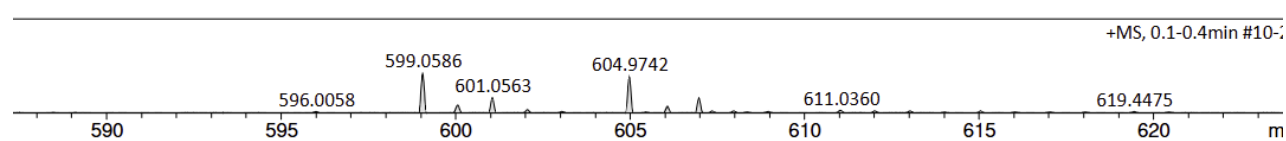
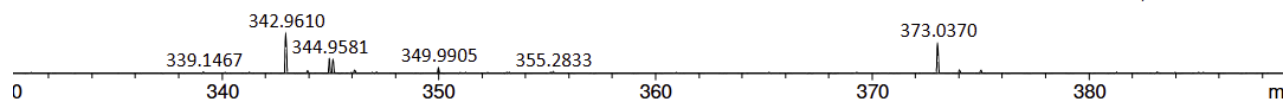
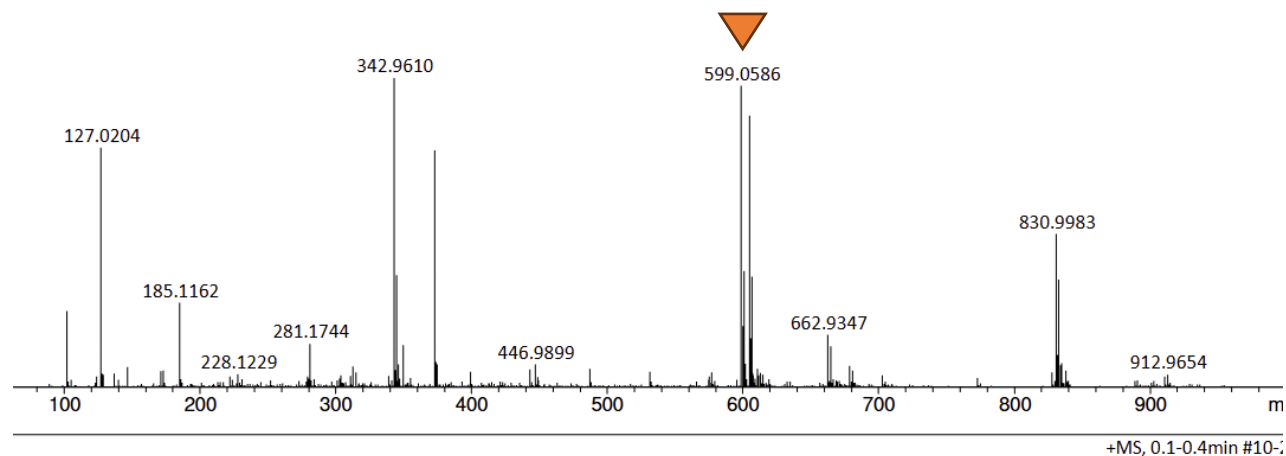
+MS, 0.3-0.4min #22-23



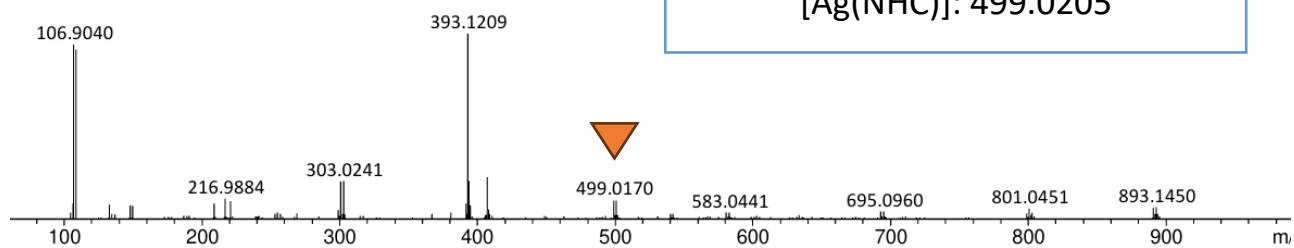
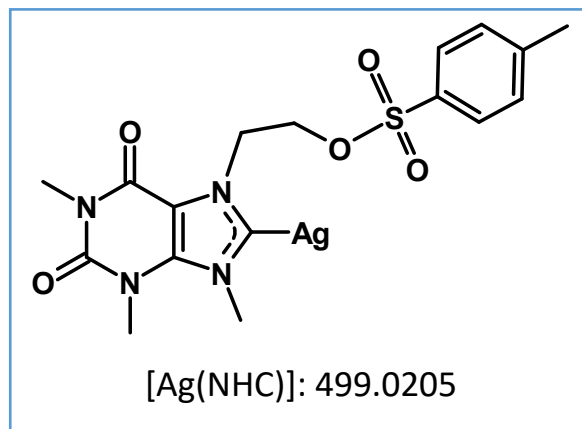
Mass spectra of Au6



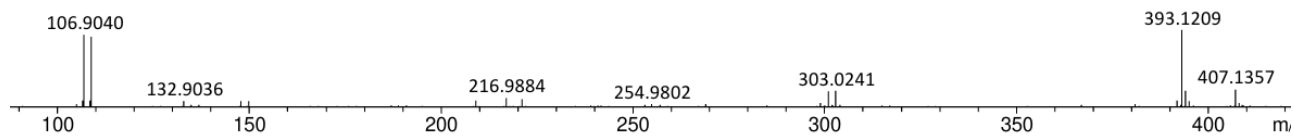
[Au(NHC)Cl]Na⁺ : 599.0553



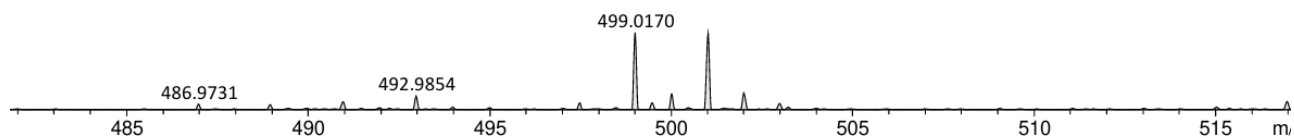
Mass spectra of Ag10



+MS, 0.6-0.9min #45-6



+MS, 0.6-0.9min #45-6



+MS, 0.6-0.9min #45-6

