

# COVER PAGE OF SUPPORTING INFORMATION

## STRUCTURAL ANALYSIS OF IONIC ORGANOTIN(IV) COMPOUNDS USING ELECTROSPRAY TANDEM MASS SPECTROMETRY

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**TITLE RUNNING HEAD:** Structural Analysis of Ionic Organotin(IV) Compounds Using ESI-MS/MS

**KEYWORDS:** Organotin; Organometallic; Speciation; Electrospray; Mass Spectrometry.

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**SUPPORTING INFORMATION LIST: 8 FIGURES**

**Figure S-1:** Fragmentation mechanism of  $\text{Cat}^2$  (m/z 408)

**Figure S-2:** Fragmentation mechanism of  $\text{D}_6\text{-Cat}^2$  (m/z 414)

**Figure S-3:** Fragmentation mechanism of  $\text{D}_{10}\text{-Cat}^2$  (m/z 418)

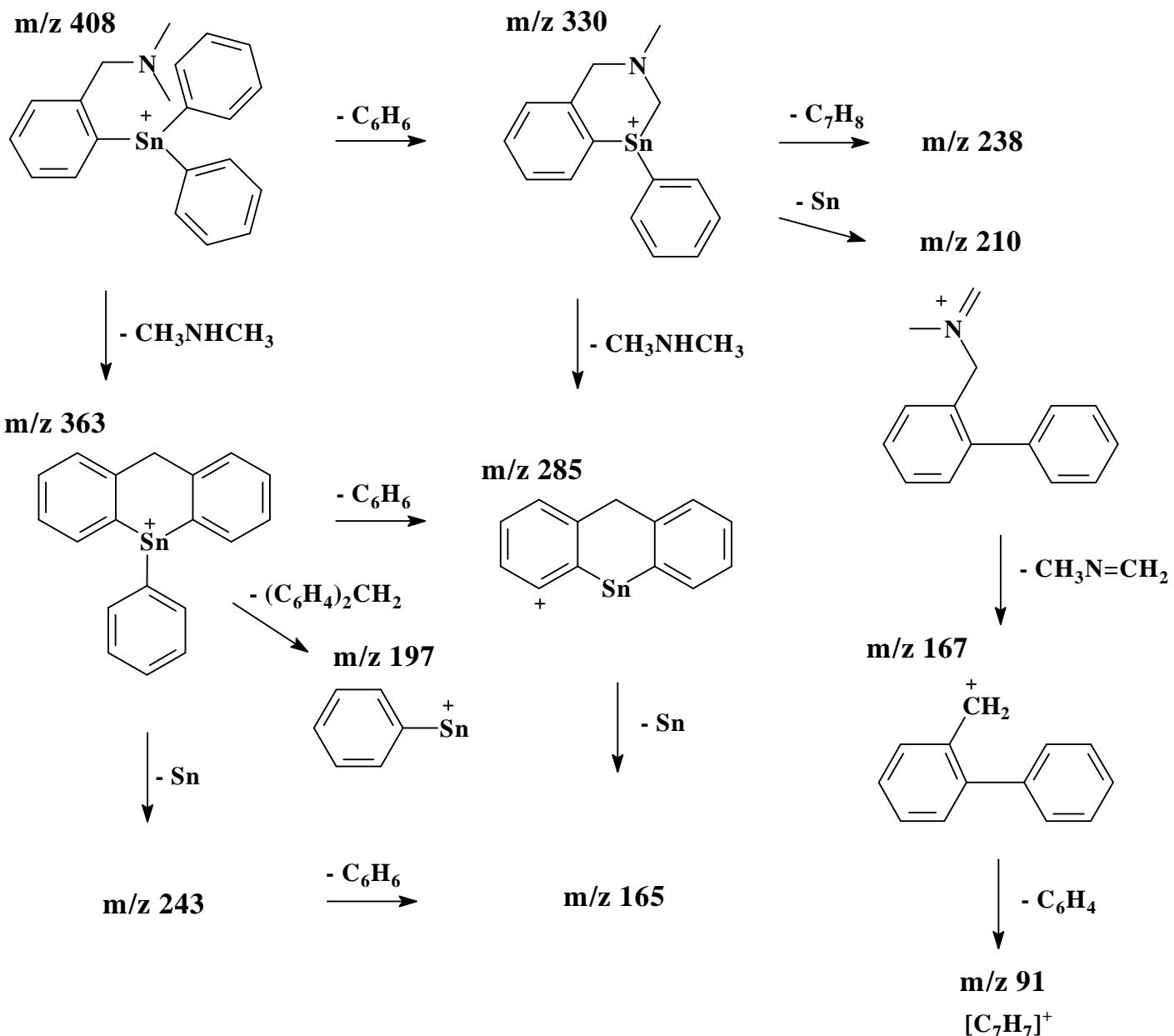
**Figure S-4:** Fragmentation mechanism of  $\text{D}_{16}\text{-Cat}^2$  (m/z 424)

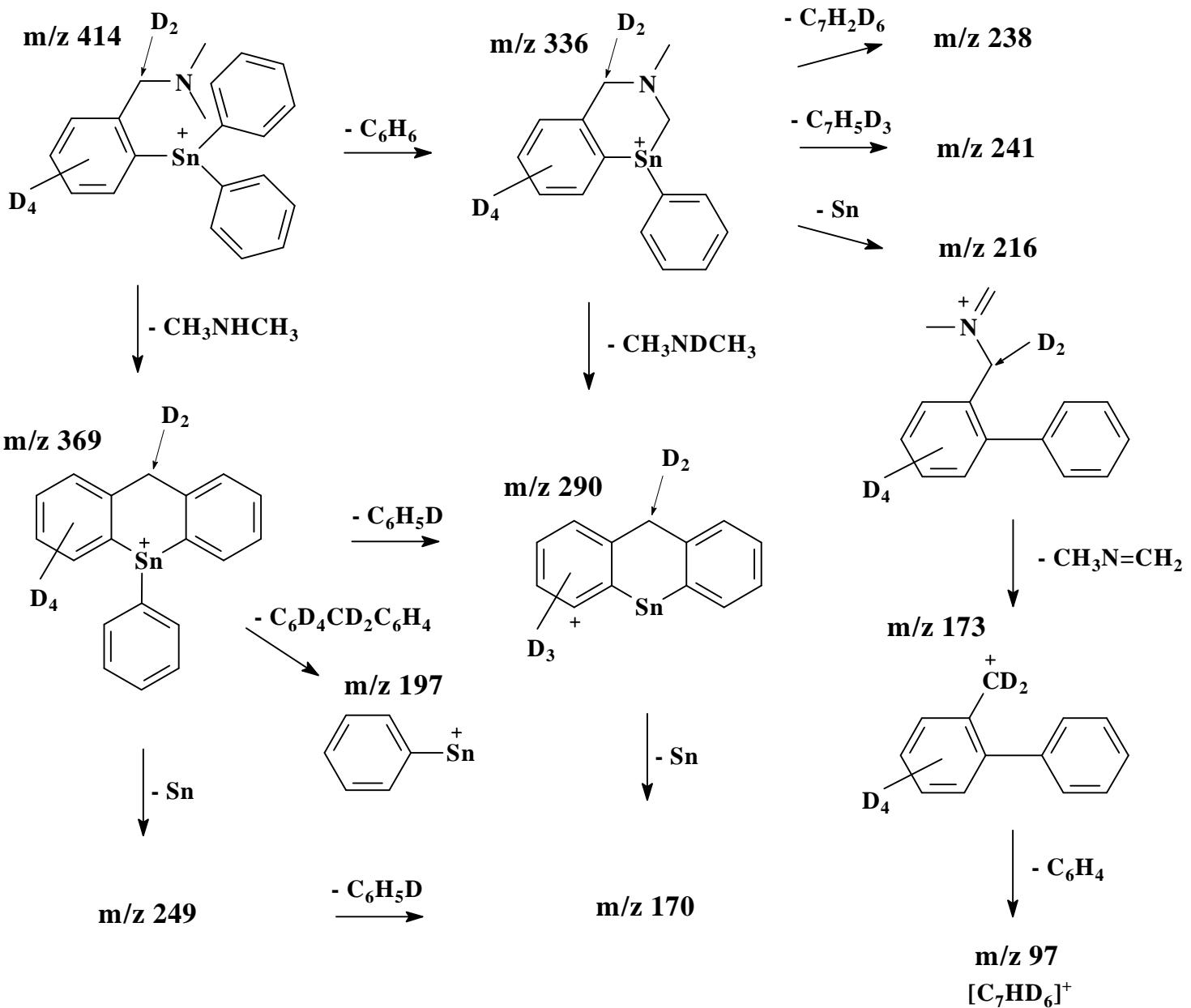
**Figure S-5:** Fragmentation mechanism of  $\text{Cat}^3$  (m/z 368)

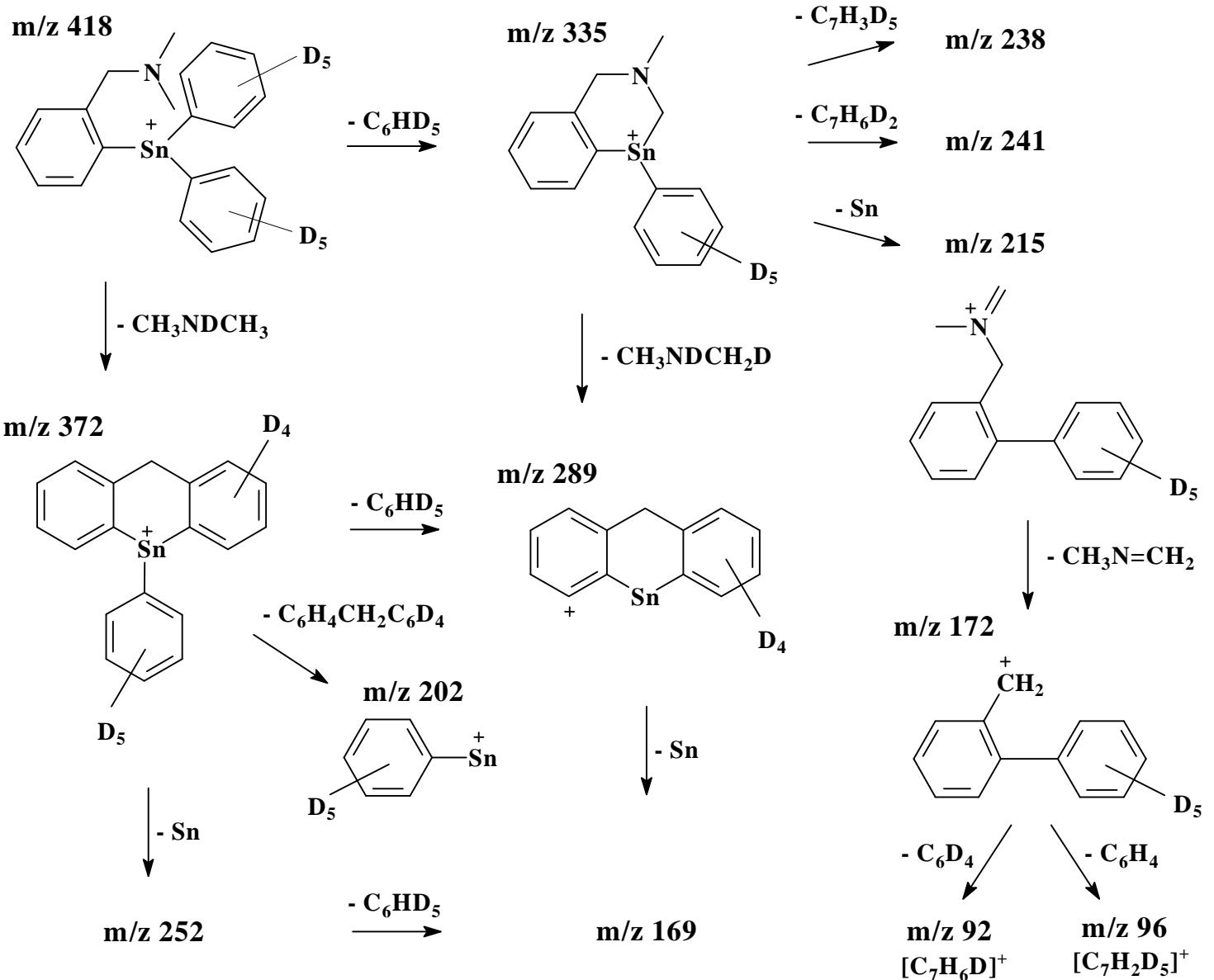
**Figure S-6:** Fragmentation mechanism of  $\text{An}^8$  (m/z 268)

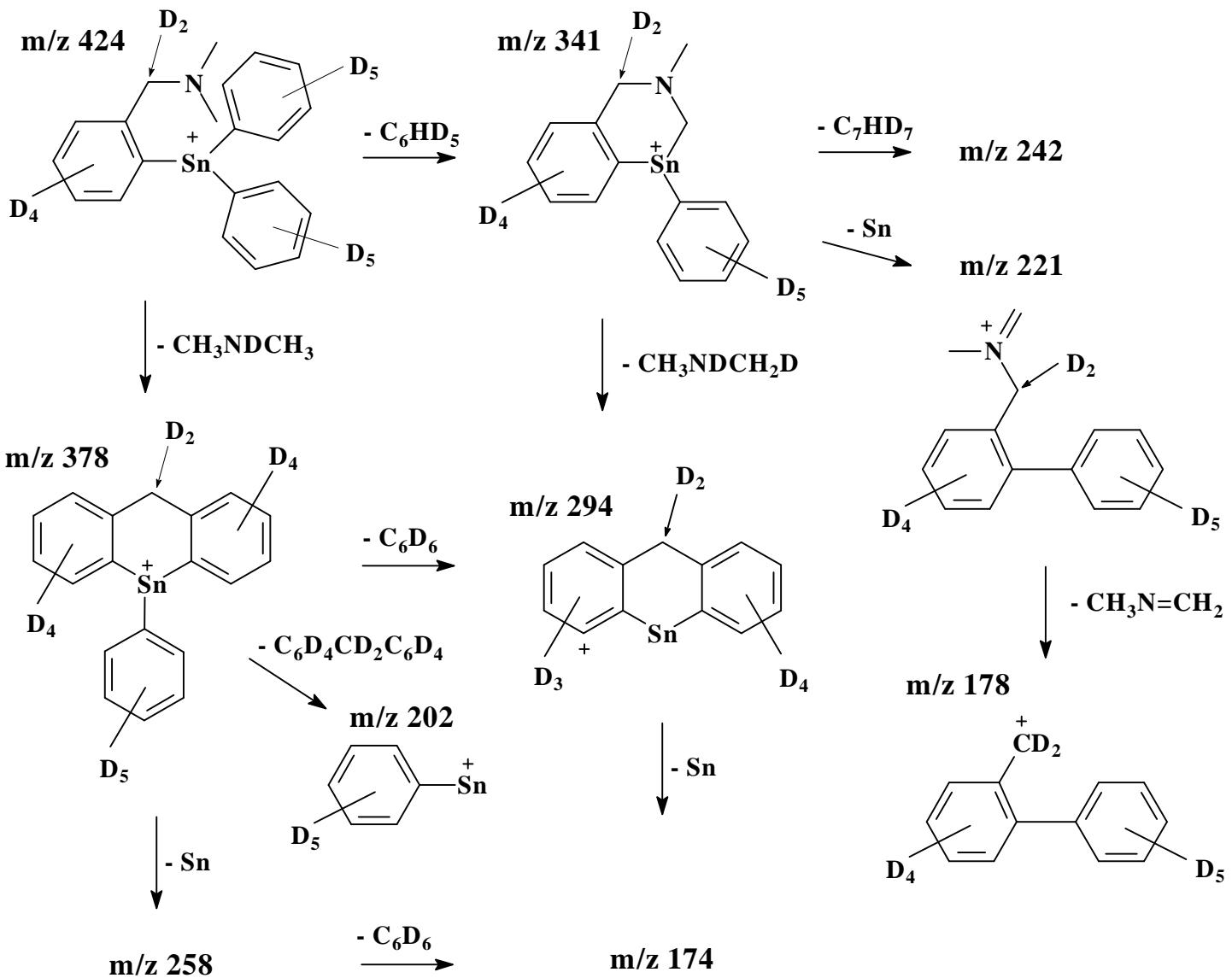
**Figure S-7:** Fragmentation mechanism of  $\text{An}^9$  (m/z 304)

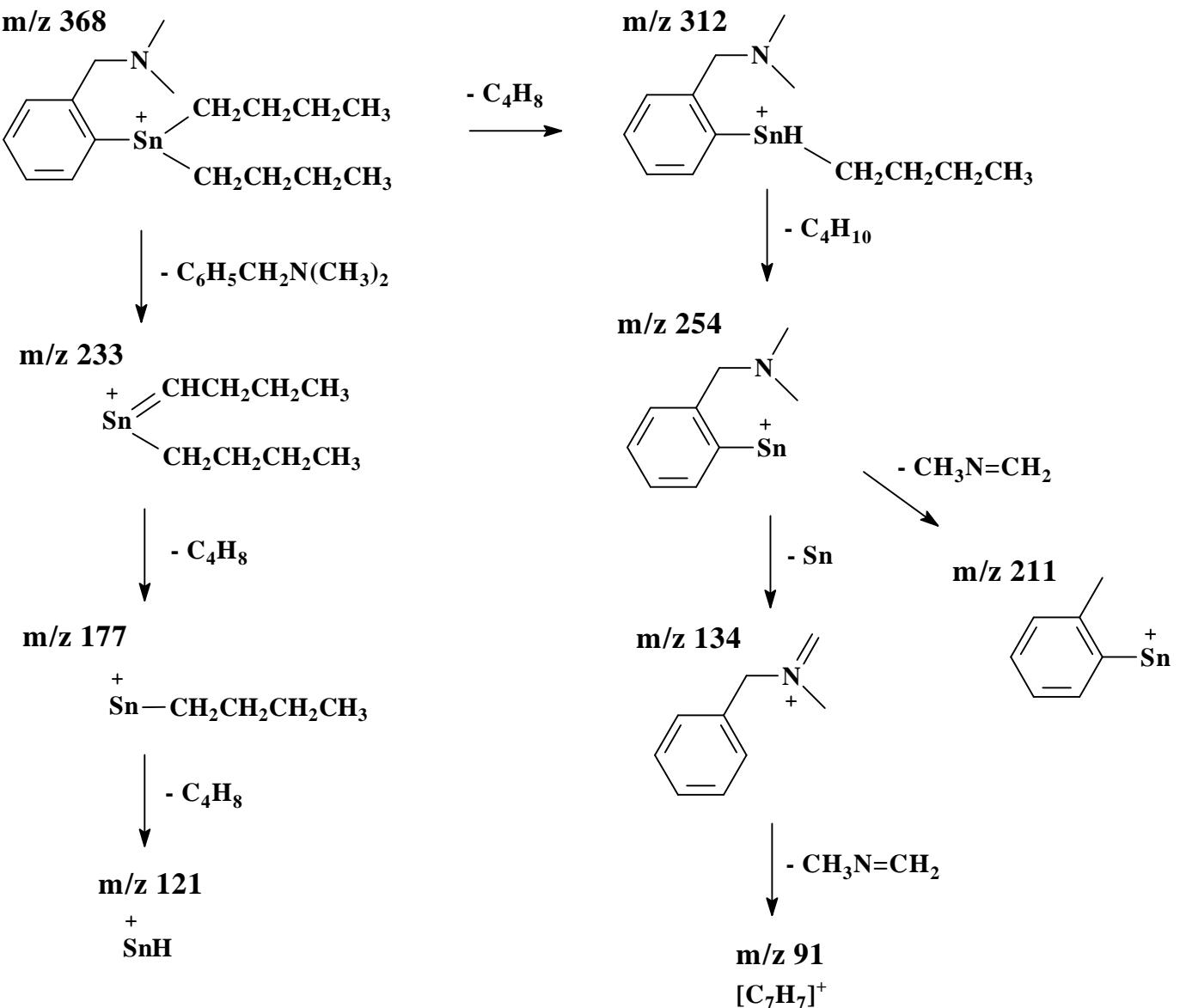
**Figure S-8:** Fragmentation mechanism of  $\text{An}^{10}$  (m/z 324)



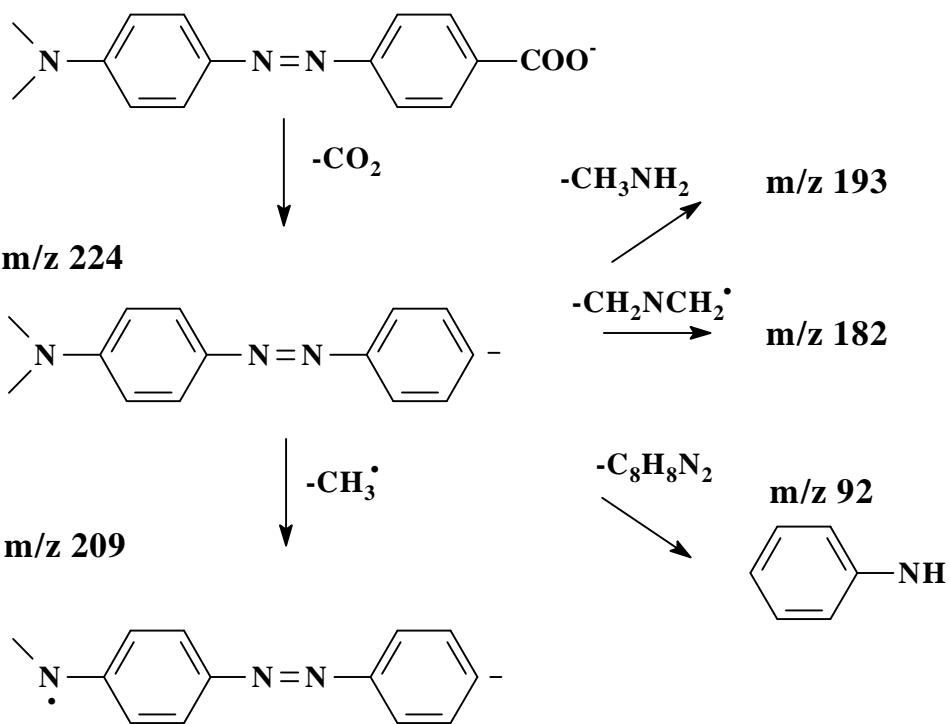




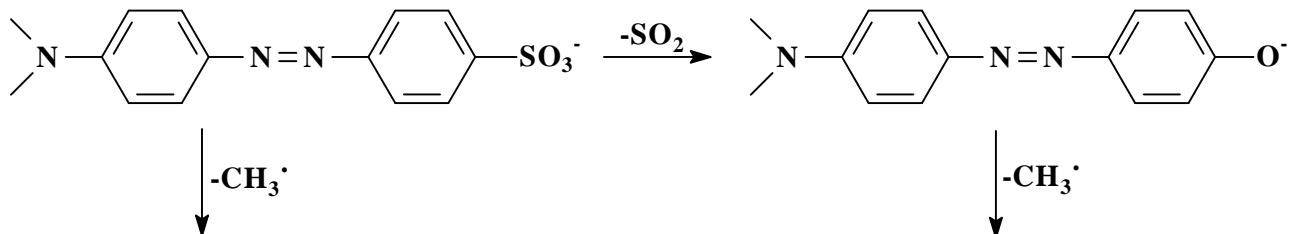




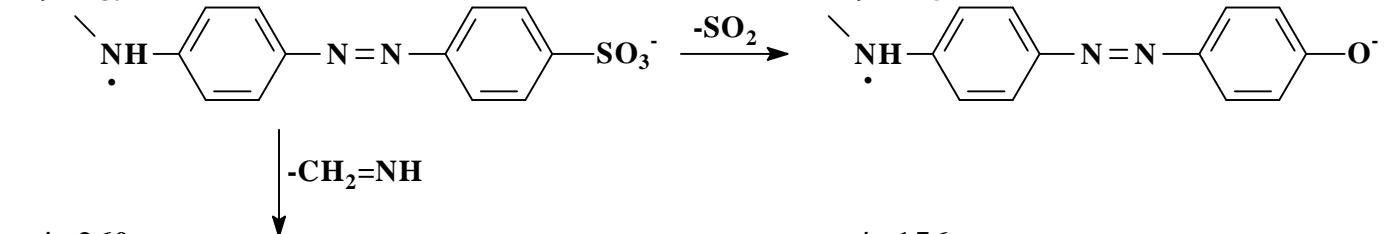
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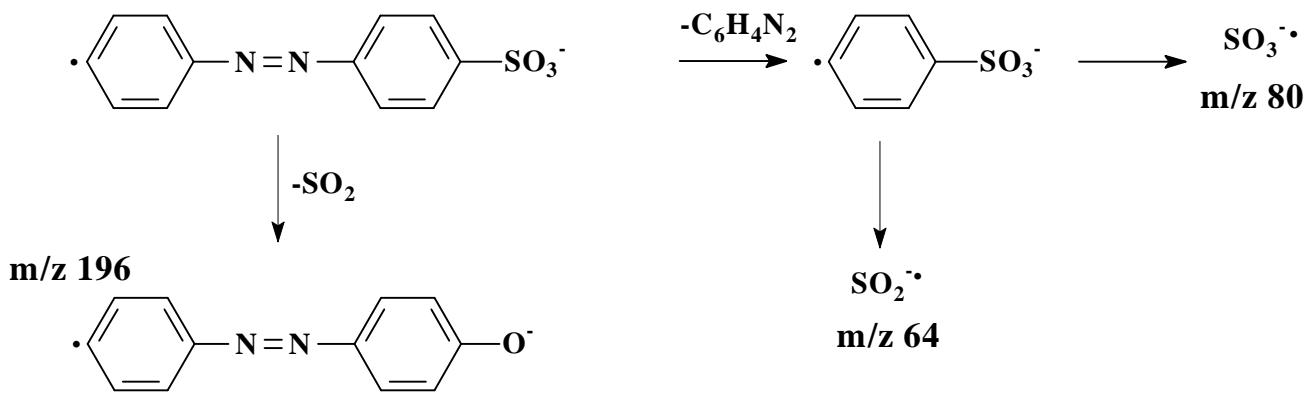
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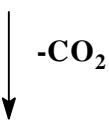
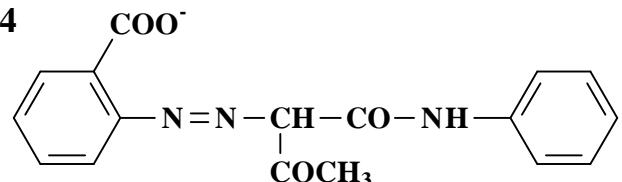
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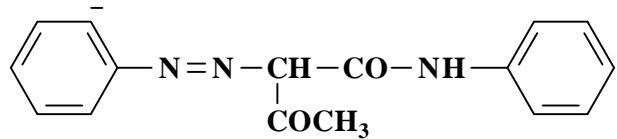
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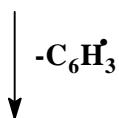
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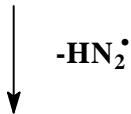
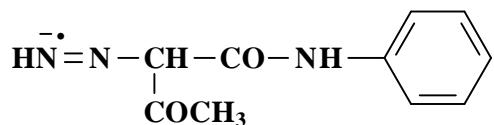
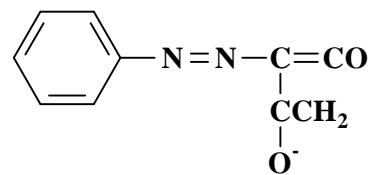
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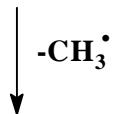
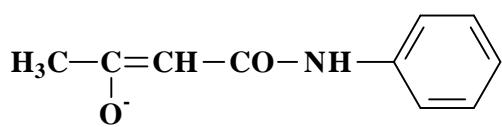
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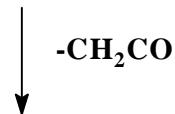
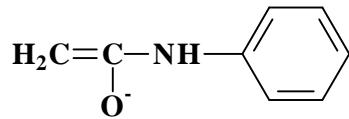
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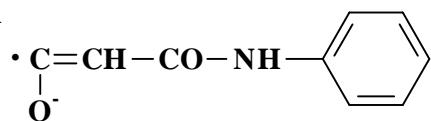
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**m/z 134**



**m/z 161**



**m/z 92**

