

**BF₃·Et₂O Catalyzed atom-economical approach to highly substituted
indole-3-carbinols from nitrosobenzenes and propargylic alcohols**

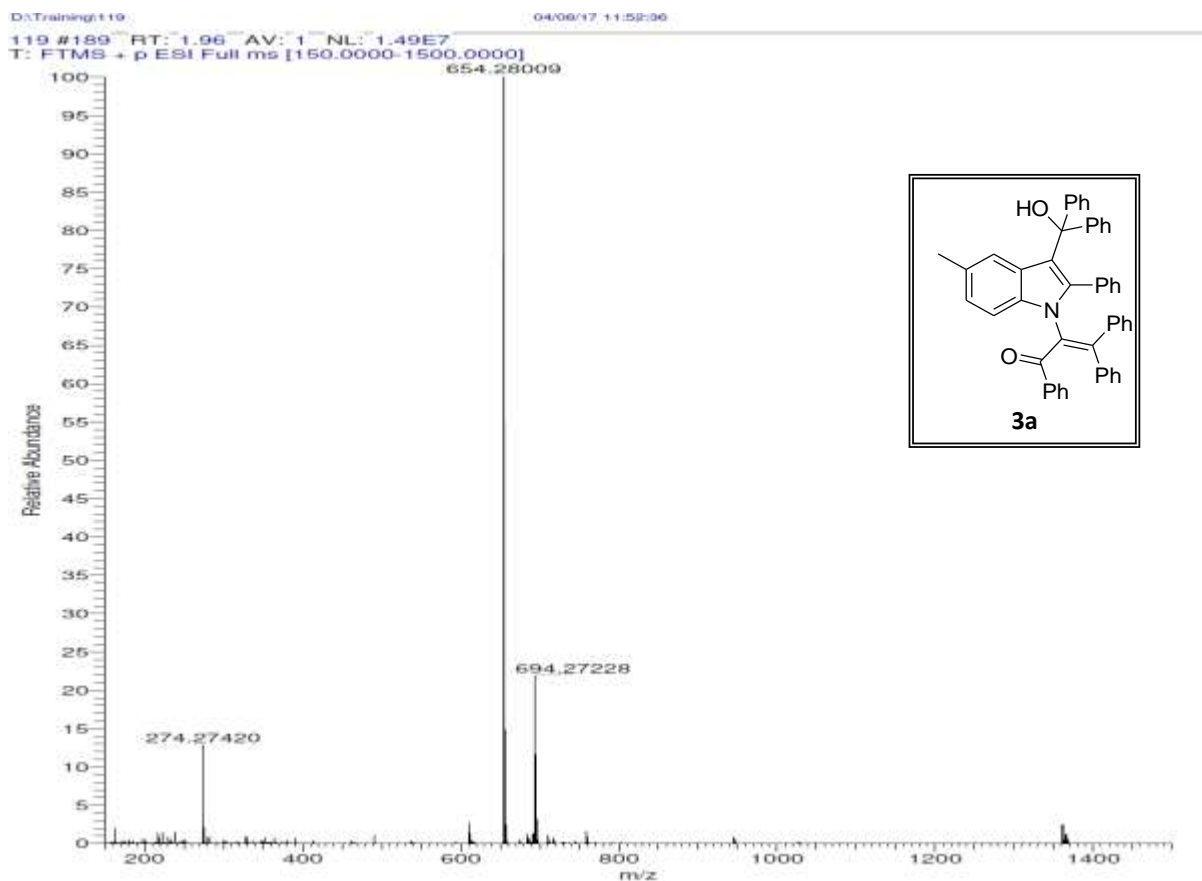
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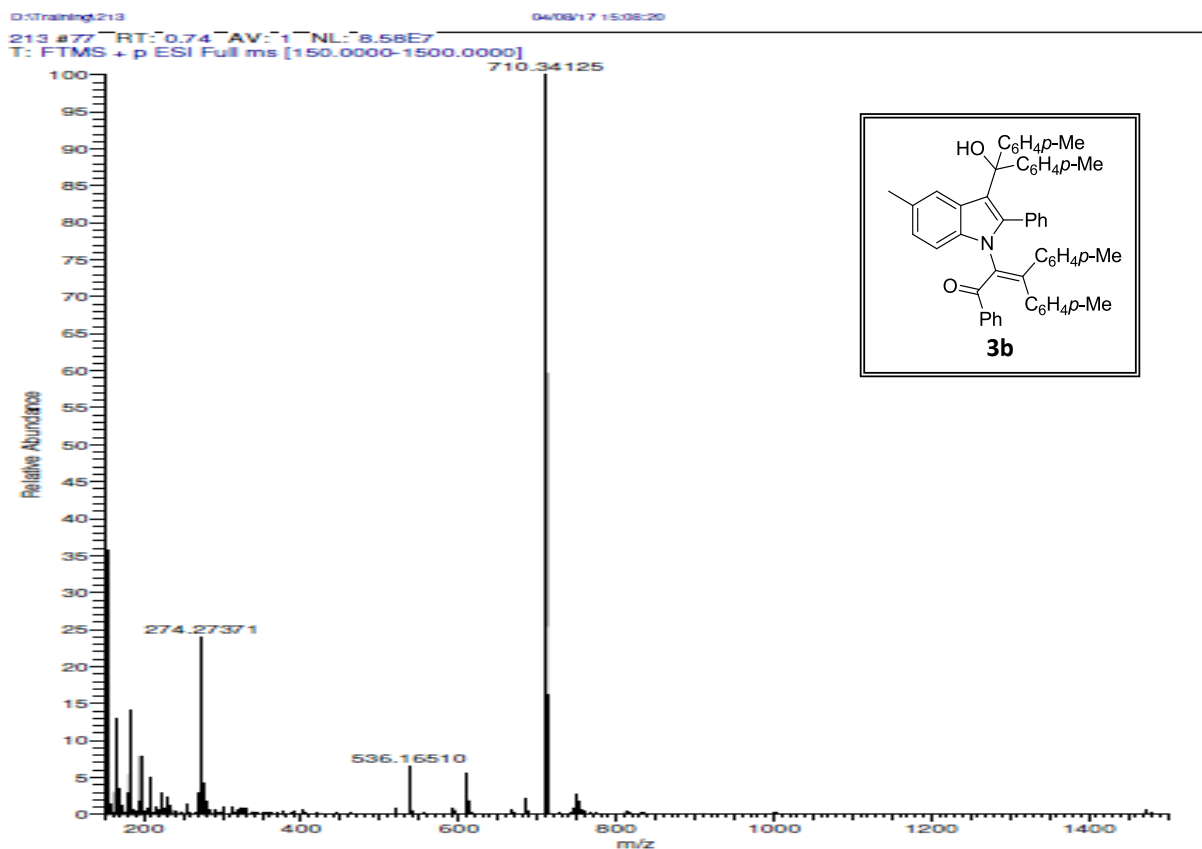
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Chemicals Research Institute, Bhavnagar-364 002, India*

* Tel: +91-431-2407053; Fax: +91-431-2407045; E-mail: muthu@bdu.ac.in

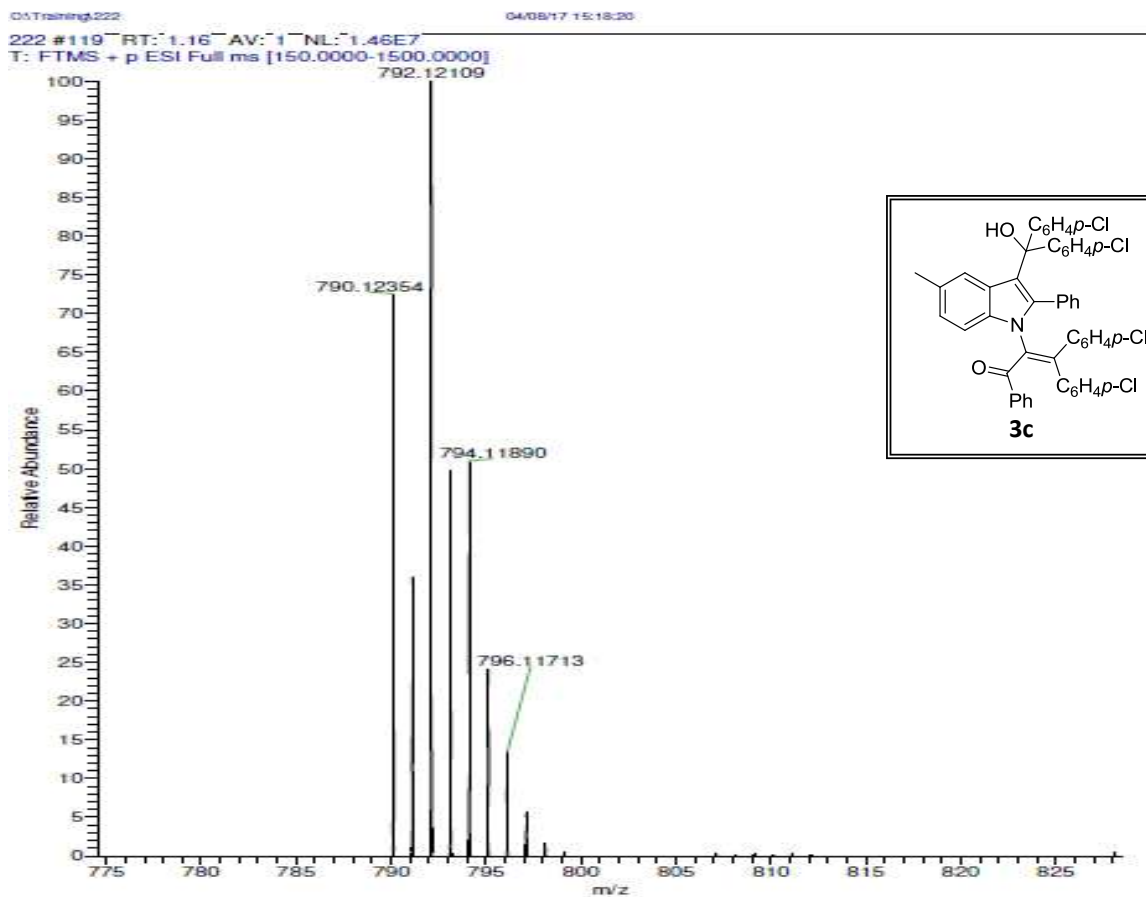
HRMS for compounds **3** & **4**



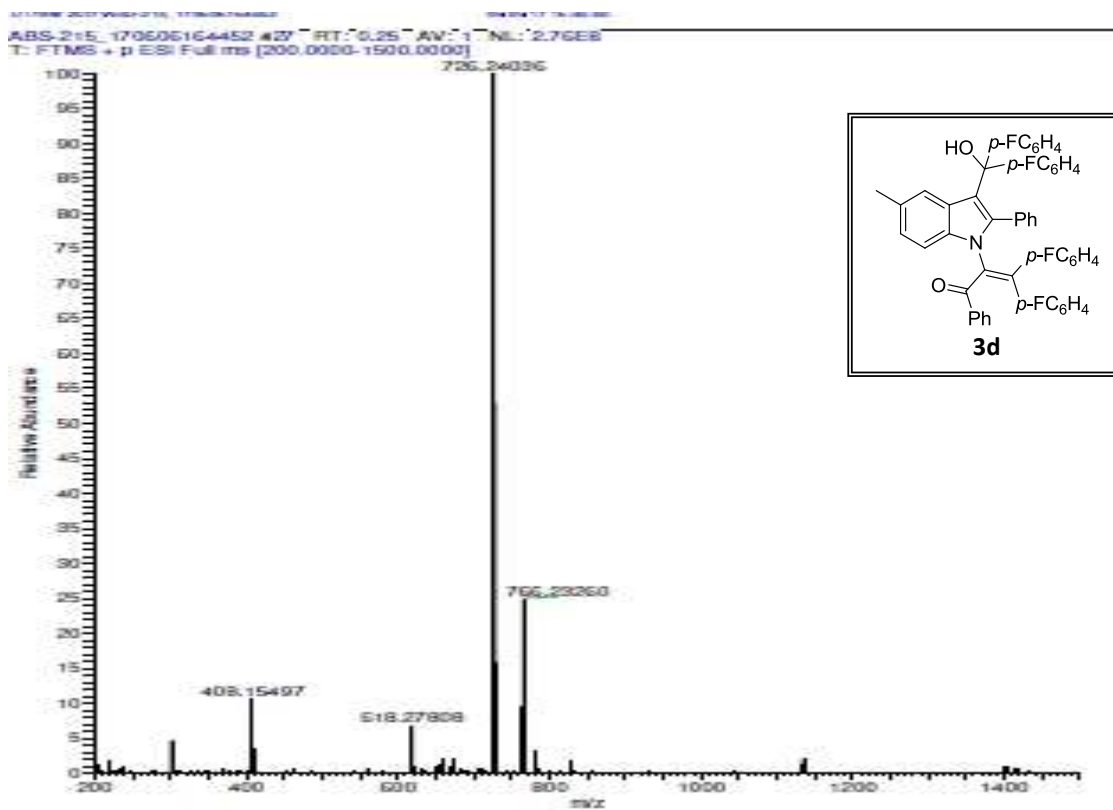
HRMS Spectrum of Compound **3a**



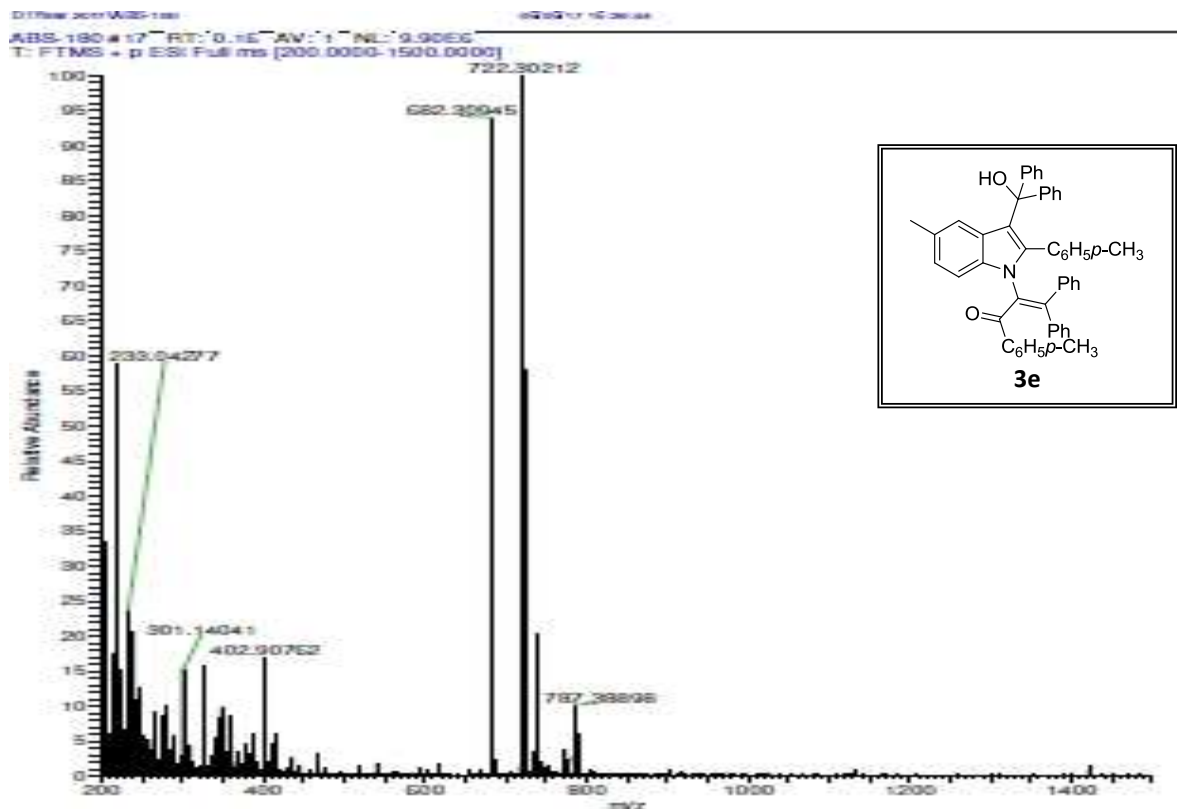
HRMS Spectrum of Compound **3b**



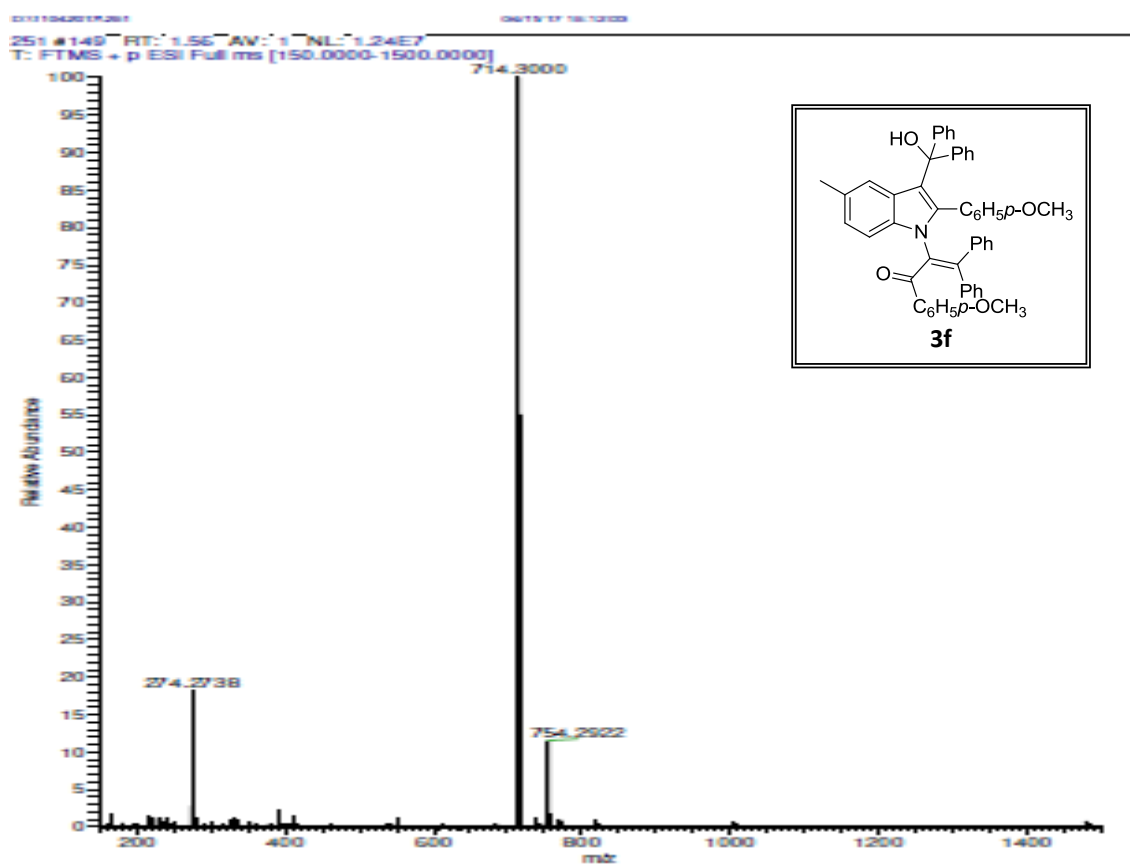
HRMS Spectrum of Compound **3c**



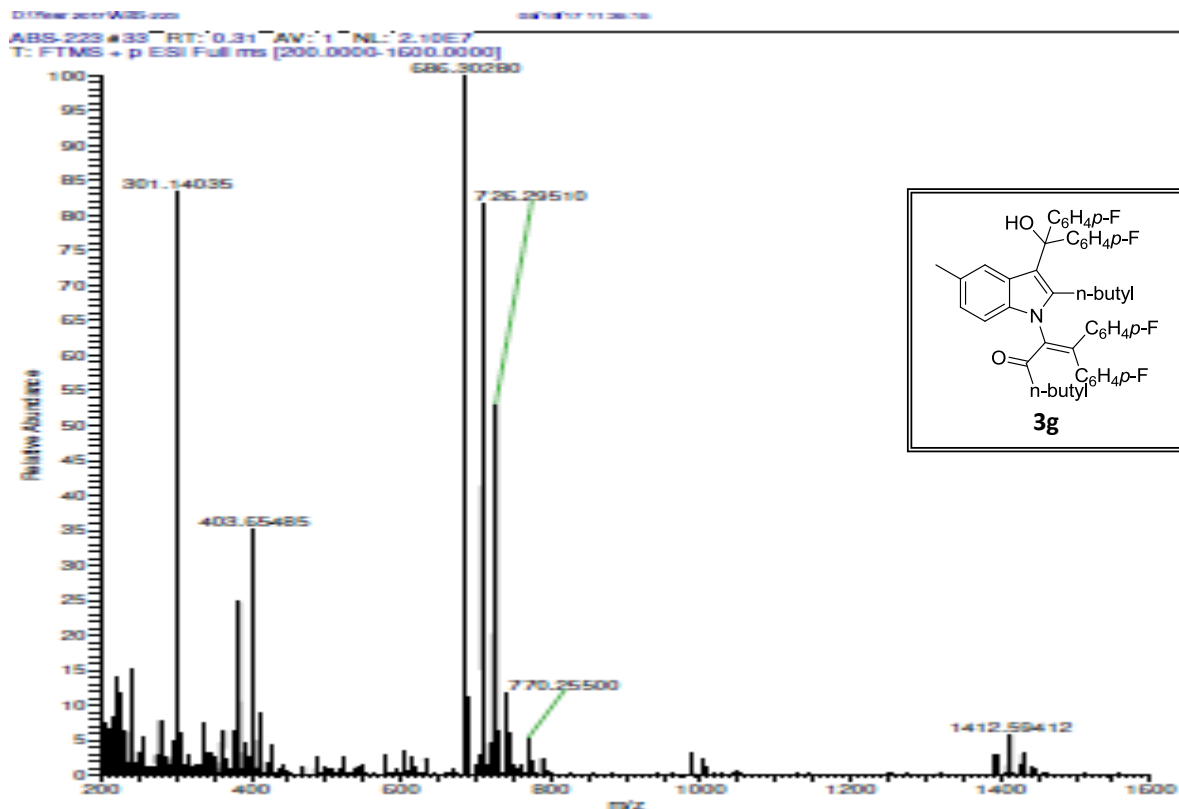
HRMS Spectrum of Compound **3d**



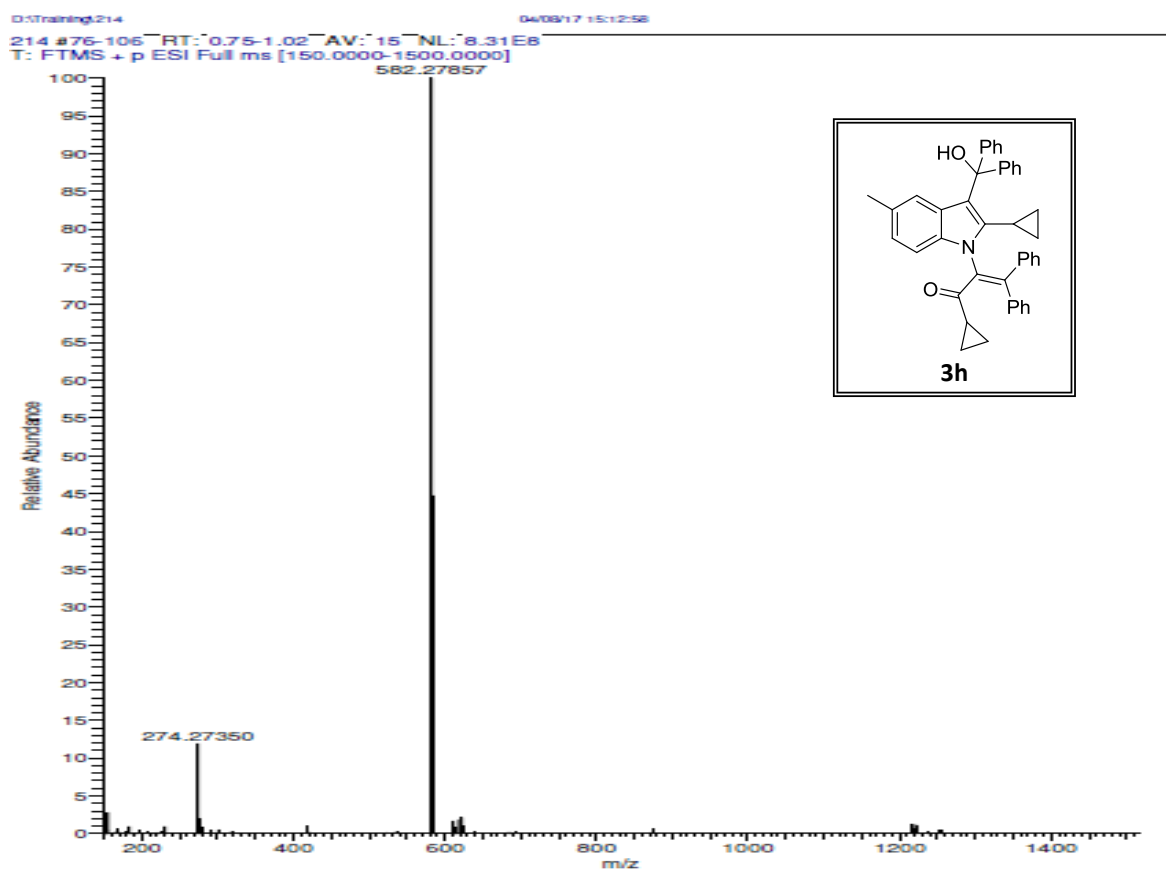
HRMS Spectrum of Compound **3e**



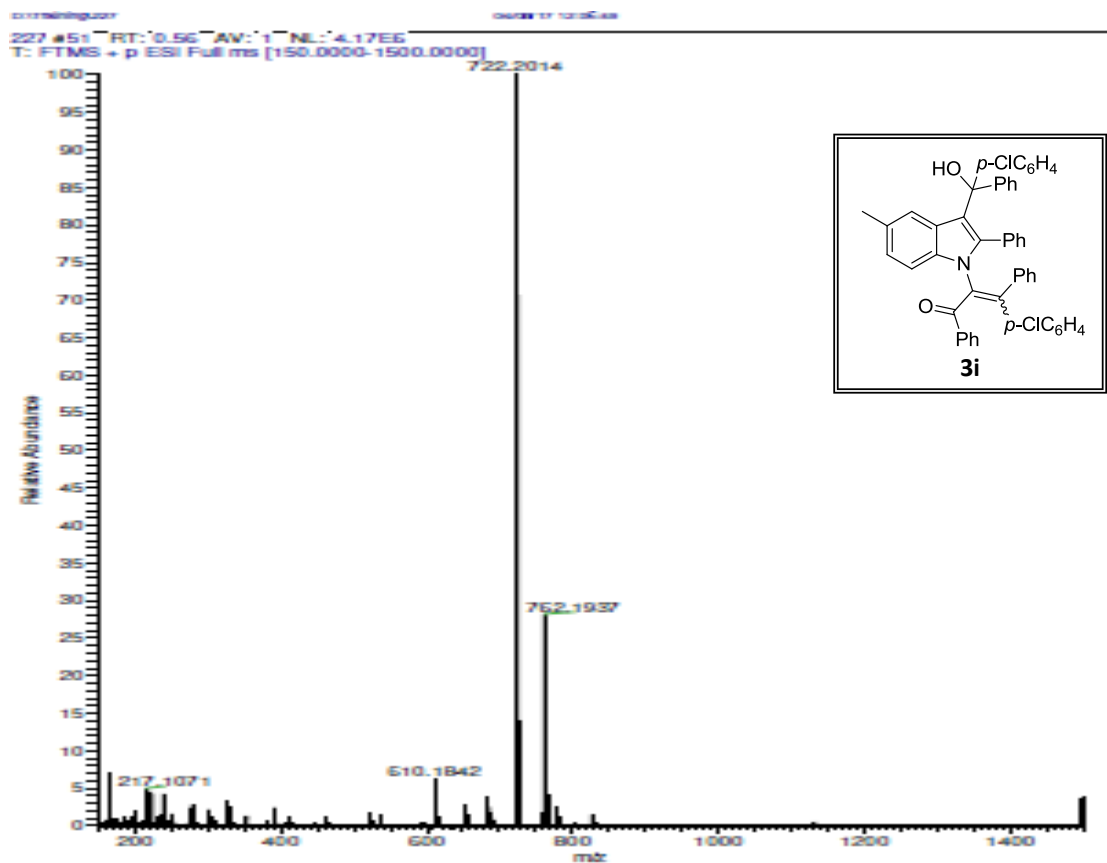
HRMS Spectrum of Compound **3f**



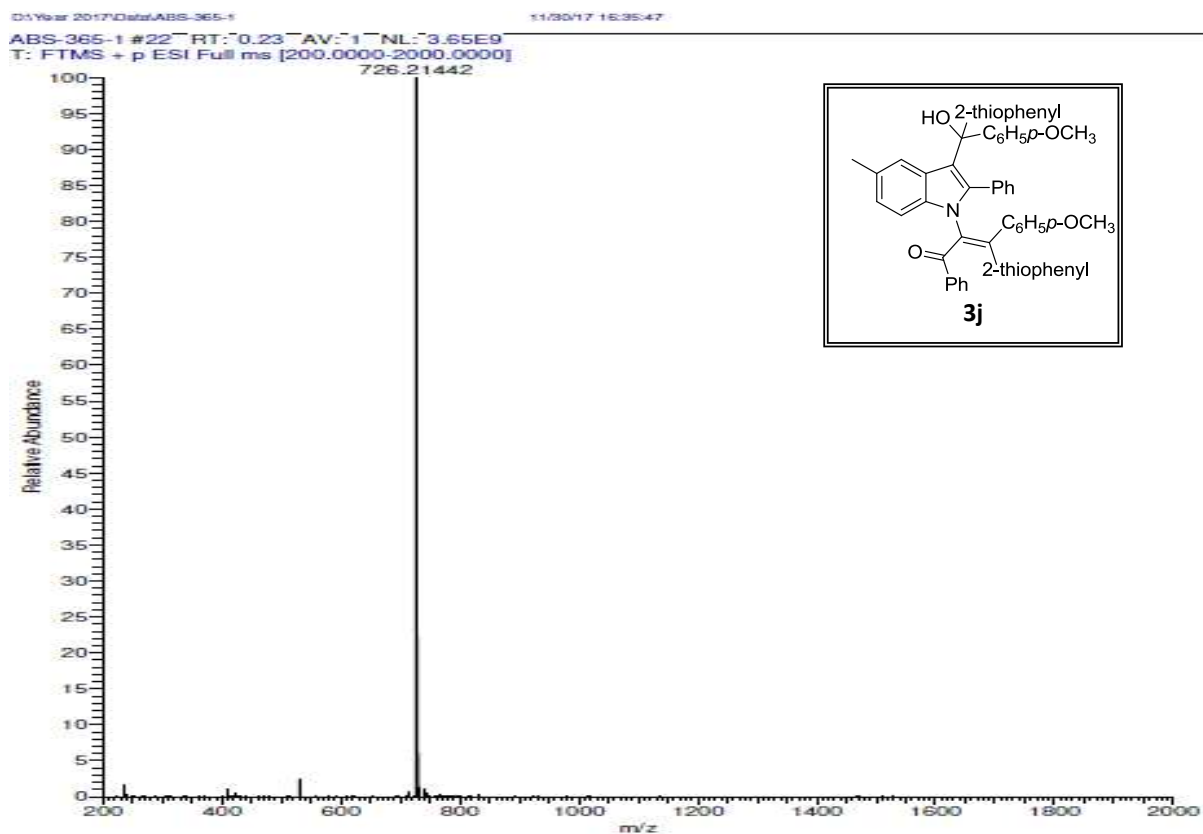
HRMS Spectrum of Compound **3g**



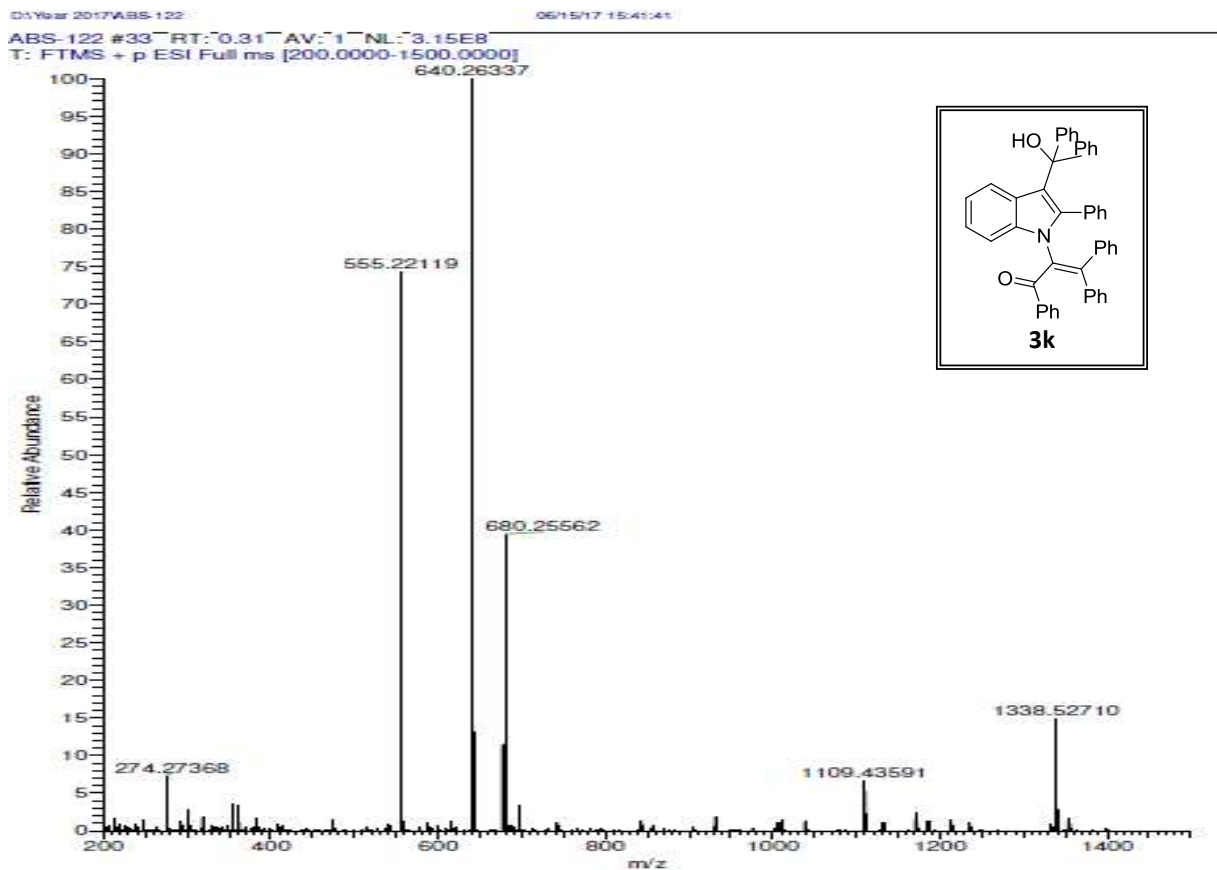
HRMS Spectrum of Compound **3h**



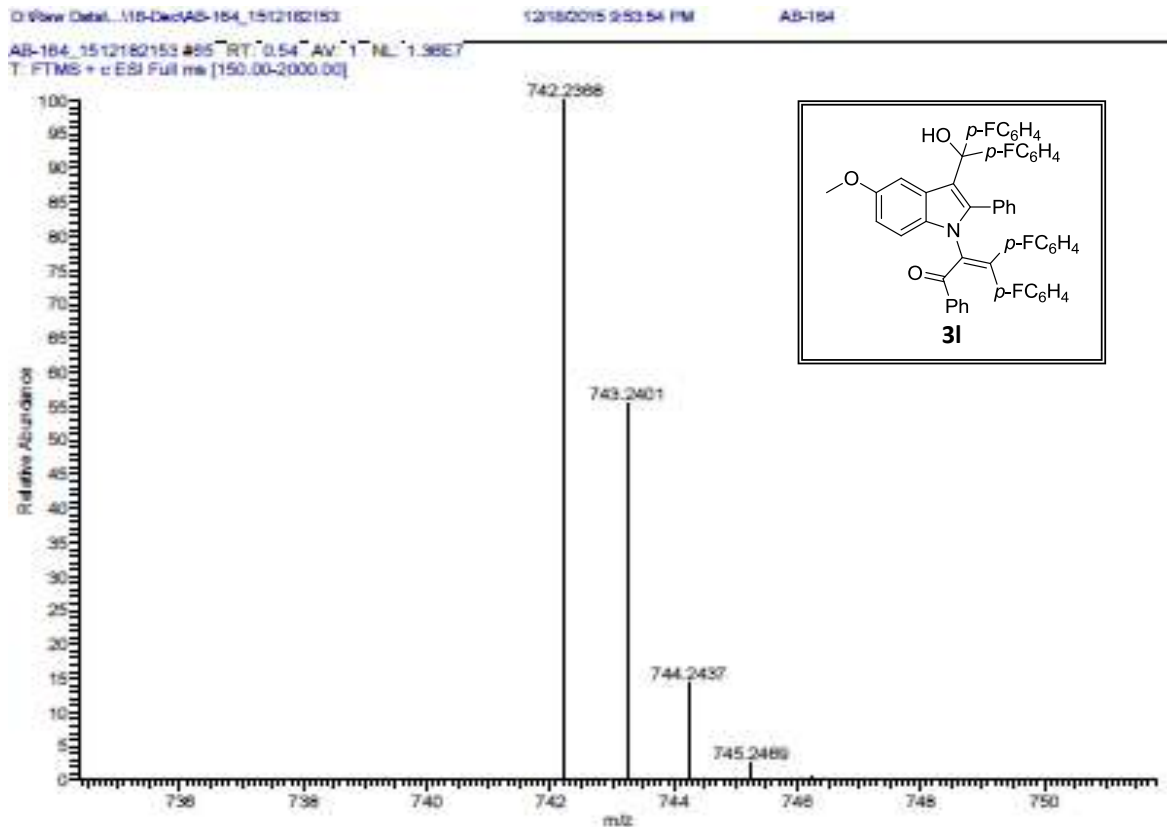
HRMS Spectrum of Compound **3i**



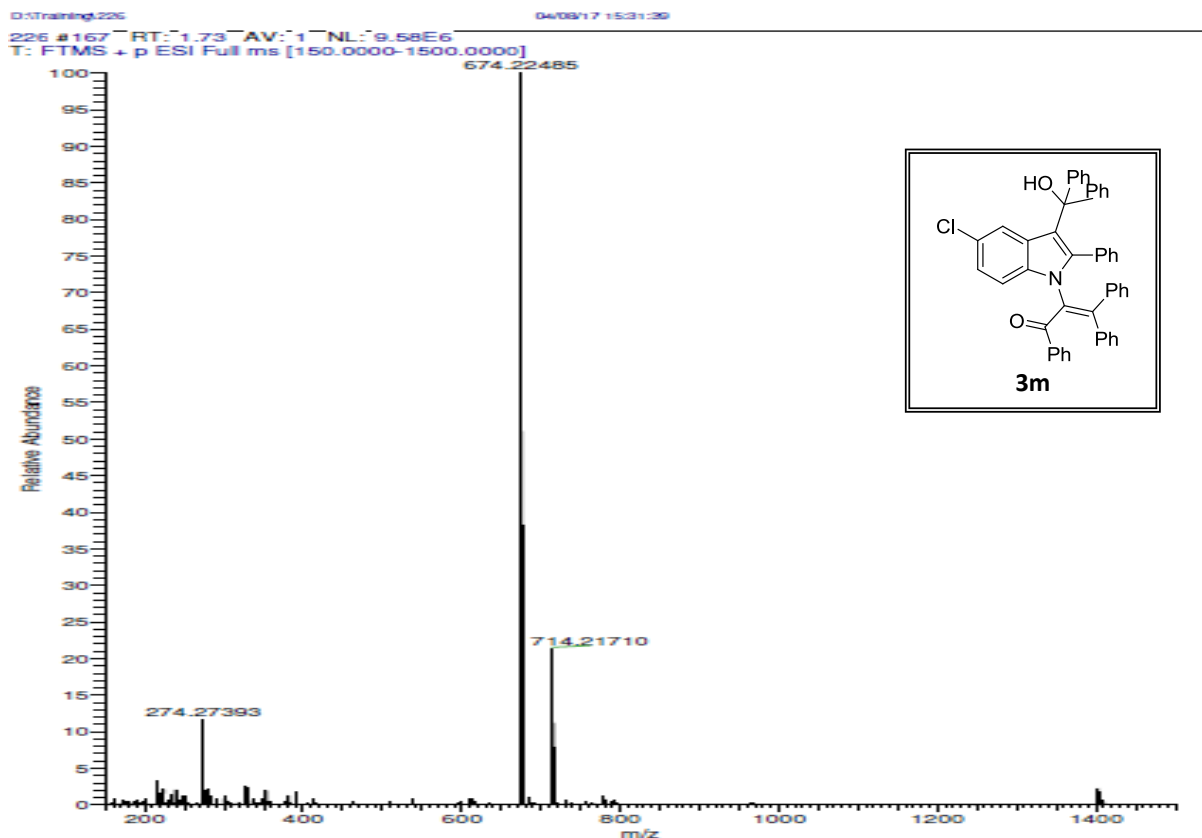
HRMS Spectrum of Compound **3j**



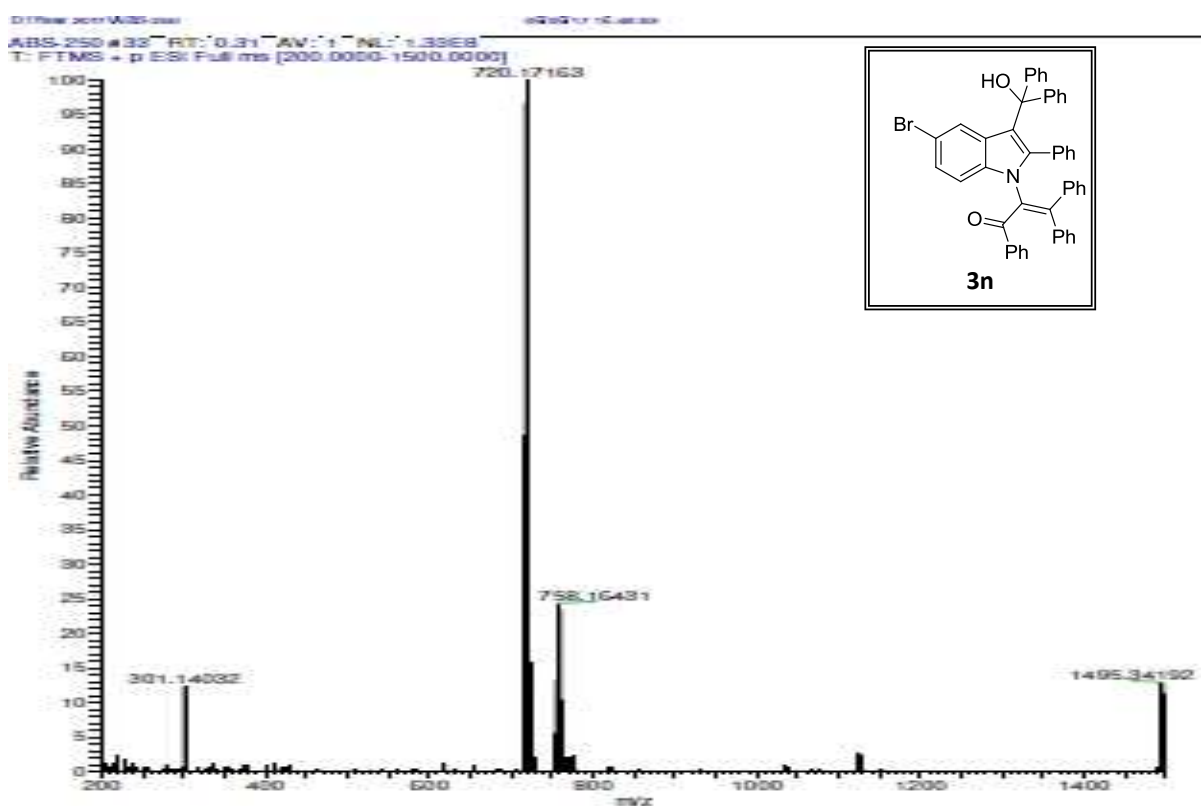
HRMS Spectrum of Compound **3k**



HRMS Spectrum of Compound **3l**



HRMS Spectrum of Compound **3m**



HRMS Spectrum of Compound **3n**

Date: 01/20/2015 DECEMBER 2015 AB-174-A

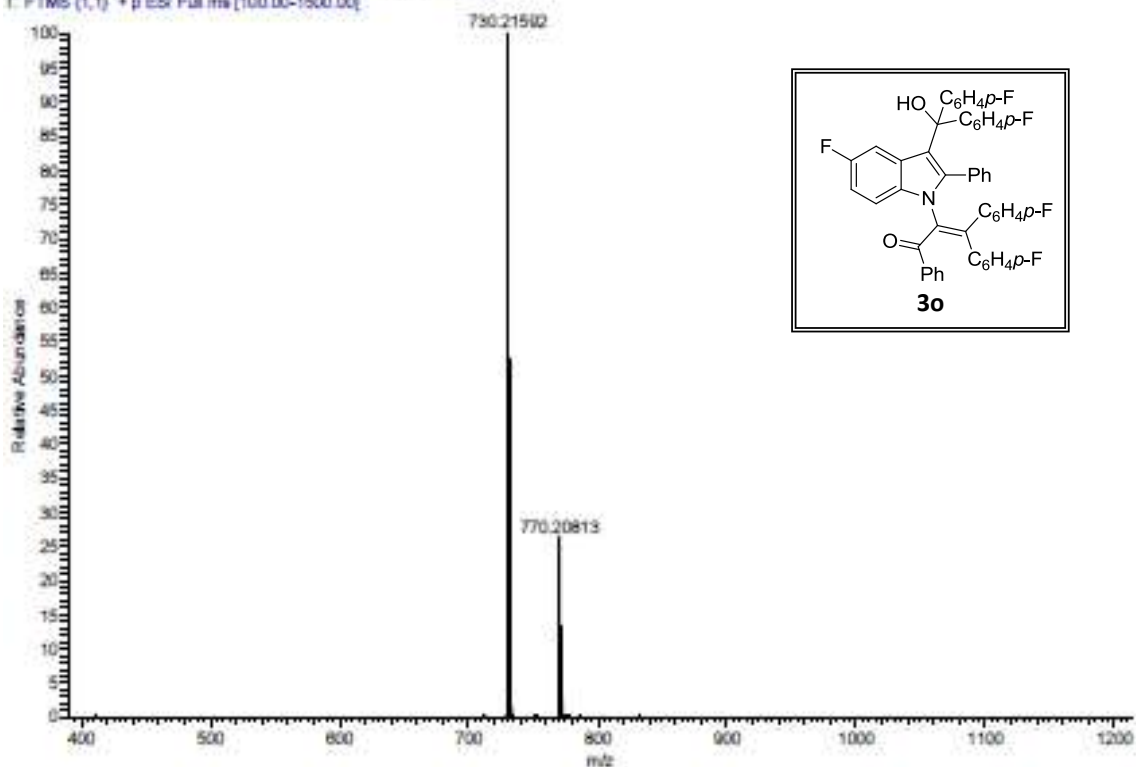
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Time: 01/20/2015 18:47:55

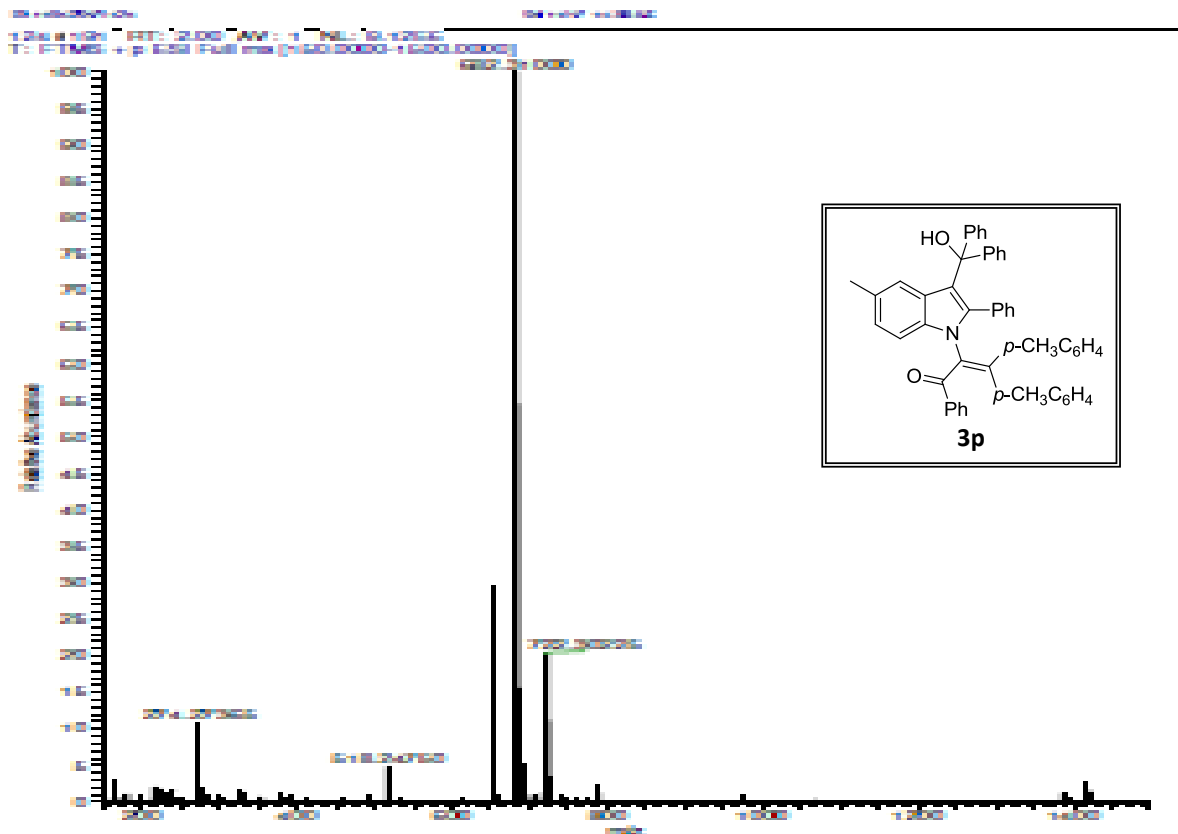
Instrument: Thermo Esactive Orbitrap

AB-174-A #65 RT: 1.10 AV: 1.88 NL: 5.40E7

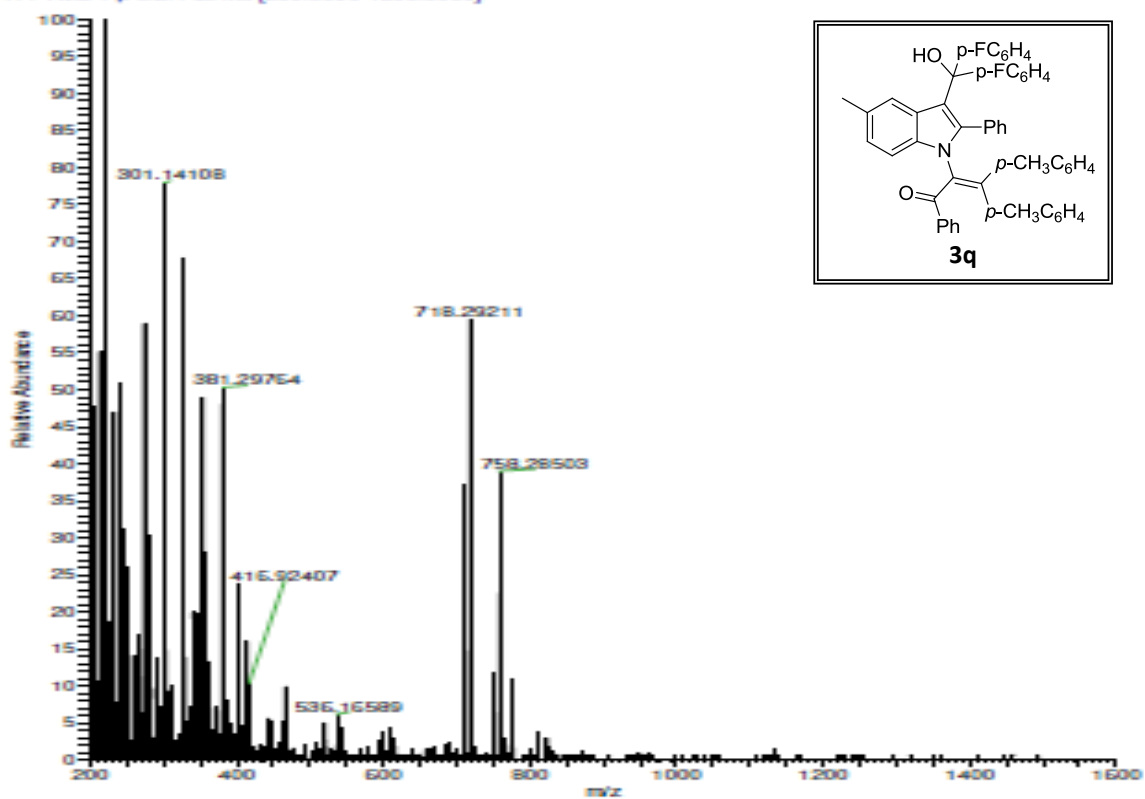
T: FTMS (1,1) + p ESI Full ms [100.00-1500.00]



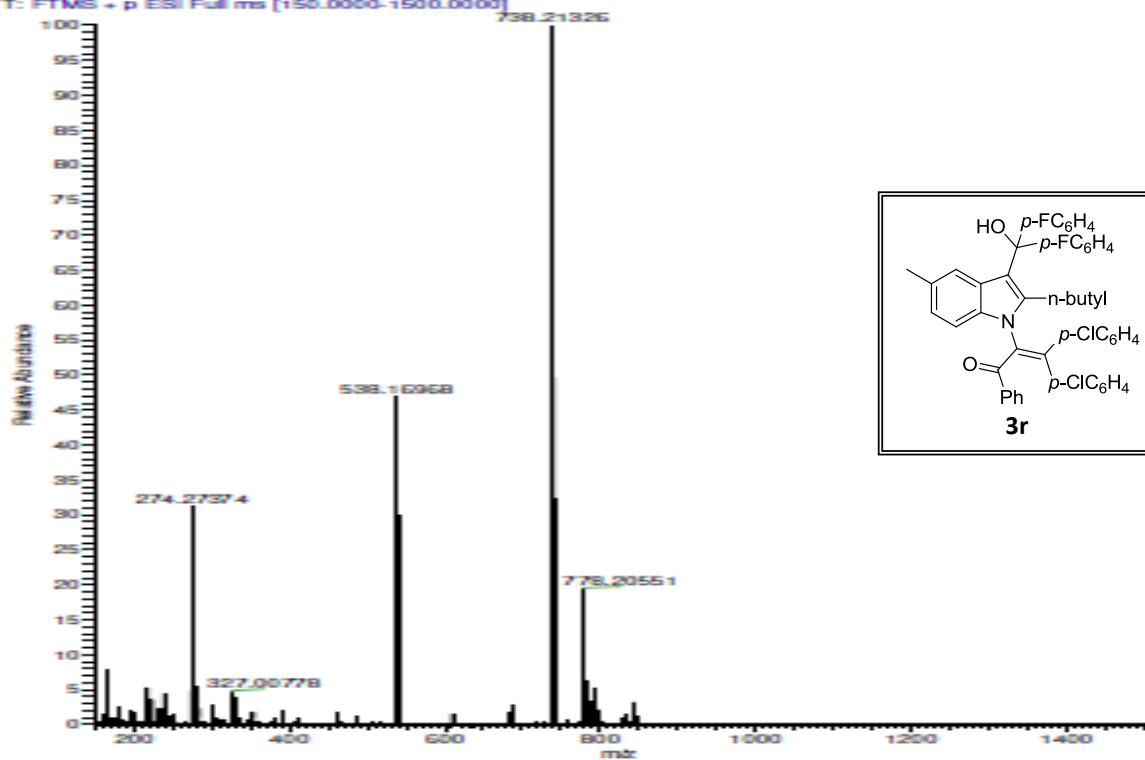
HRMS Spectrum of Compound **3o**



HRMS Spectrum of Compound **3p**

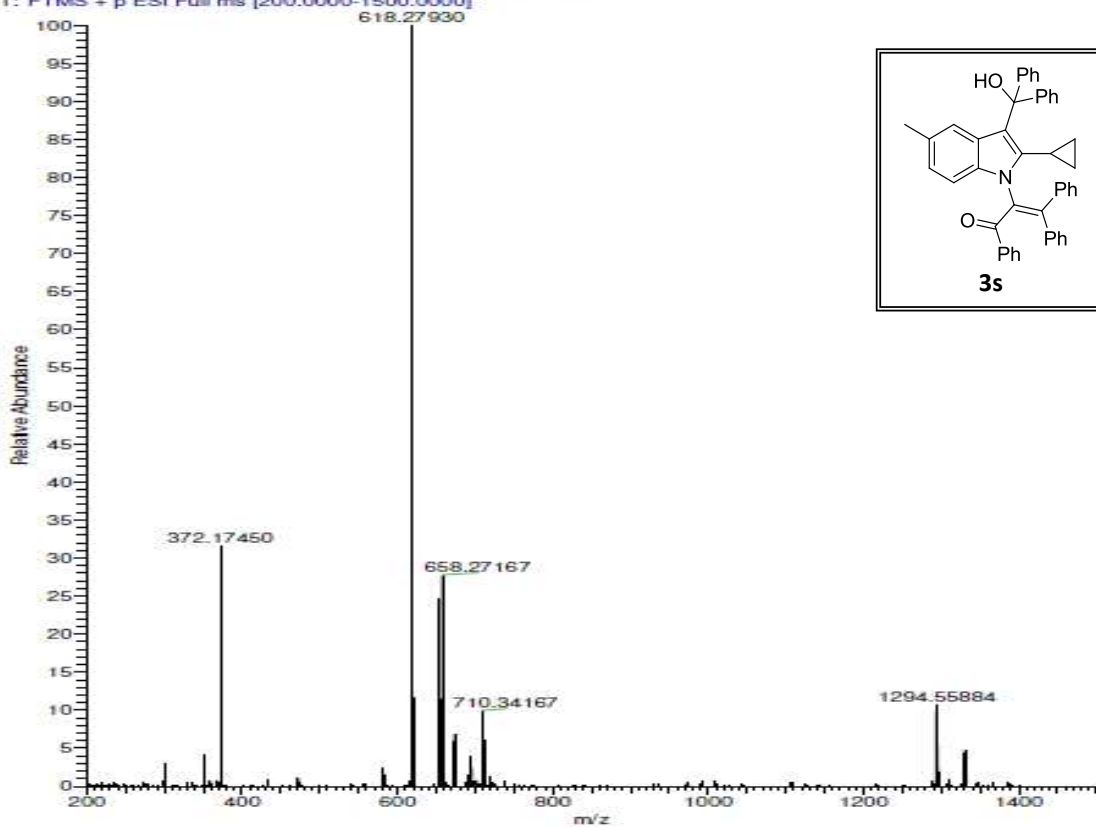


HRMS Spectrum of Compound **3q**



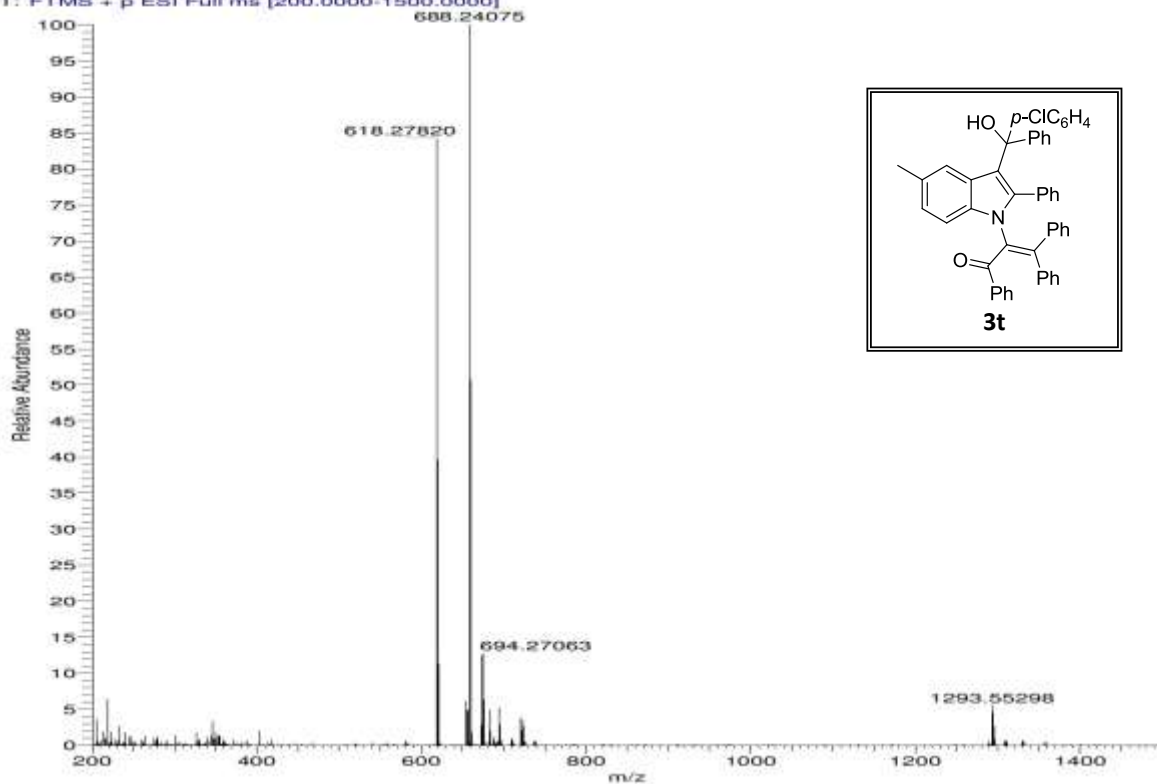
HRMS Spectrum of Compound **3r**

D:\Year 2017\APS-285_170615162341 06/15/17 16:24:41
APS-285_170615162341 #33 RT: 0.31 AV: 1 NL: 5.44E8
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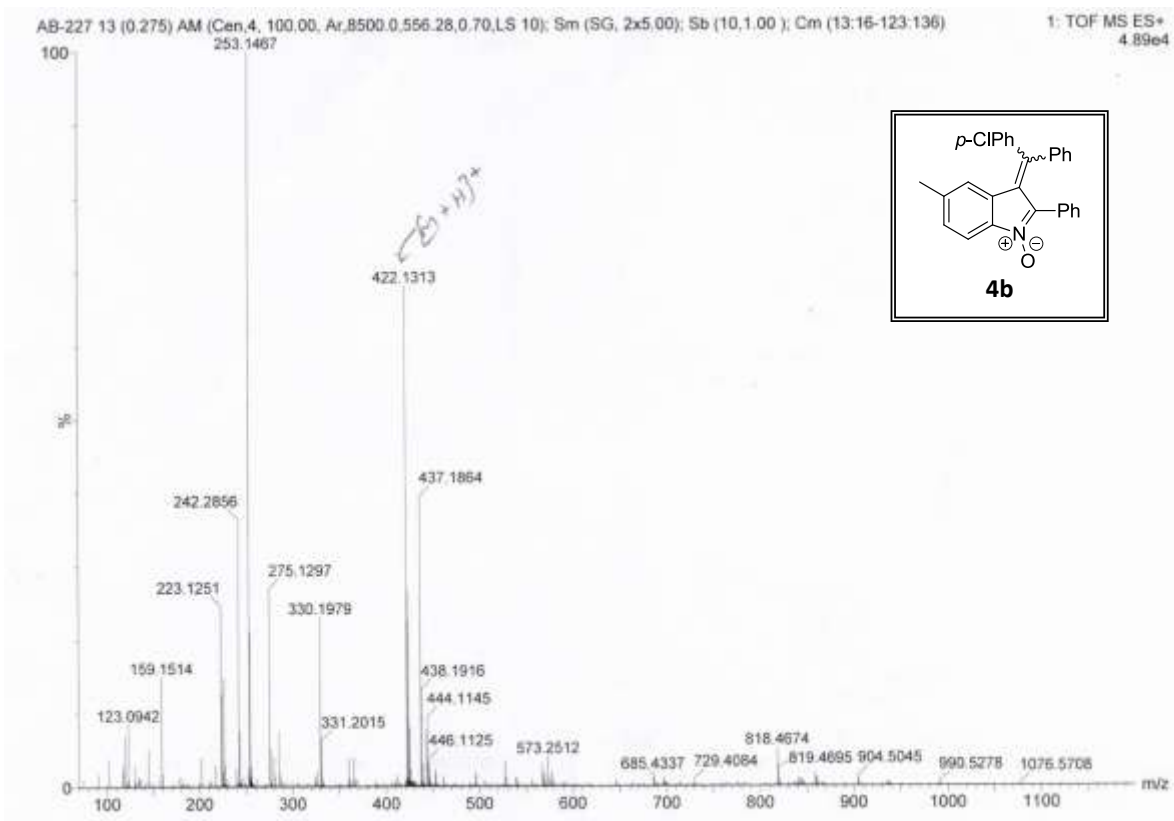


HRMS Spectrum of Compound **3s**

D:\Year 2017\ABS-285 06/06/17 16:42:49
ABS-285 #17 RT: 0.16 AV: 1 NL: 1.04E8
T: FTMS + p ESI Full ms [200.0000-1500.0000]



HRMS Spectrum of Compound **3t**



HRMS Spectrum of Compound **4b**