

Supporting Information for Publication

Nitrile Stabilized Synthesis of Pyrrolidine and Piperidine Derivatives *via* Tandem Alkynyl aza Prins-Ritter Reactions

Sudip Shit, Chinmayee Choudhury and Anil K. Saikia*

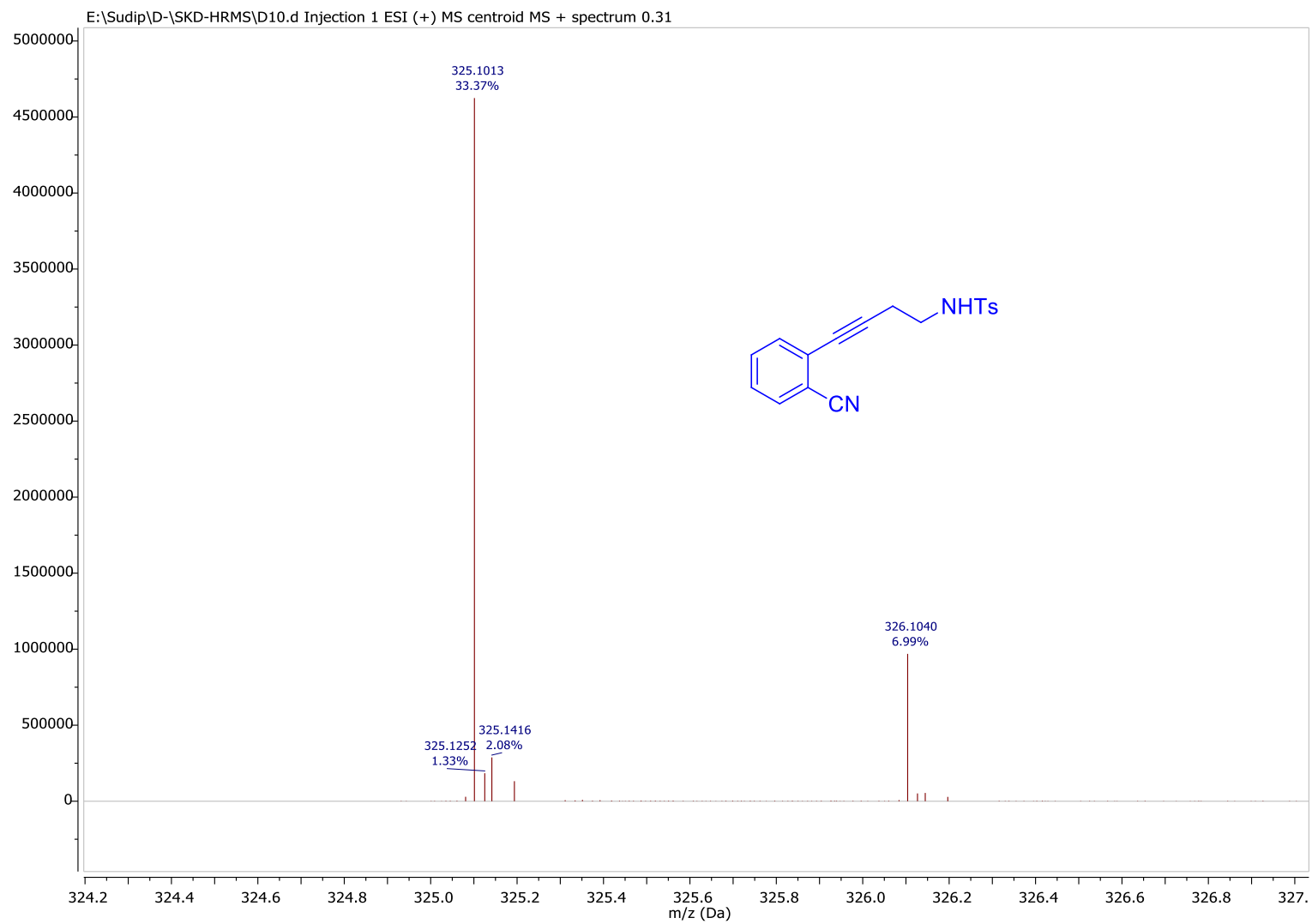
Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati 781039, Assam, India.

Email: asaikia@iitg.ac.in

Contents

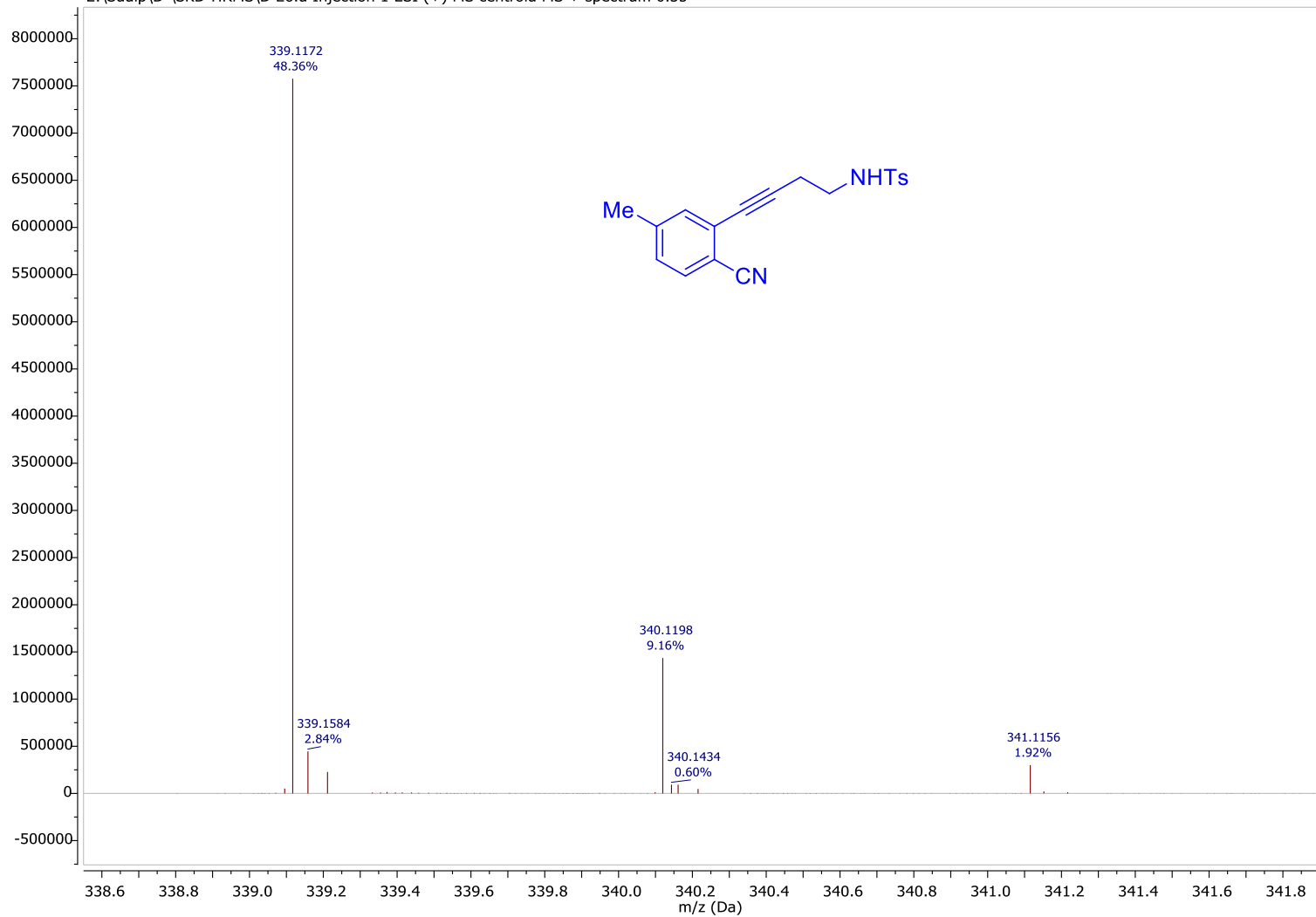
1. HRMS spectra of all new compounds S2-S29

HRMS spectrum of **1a**



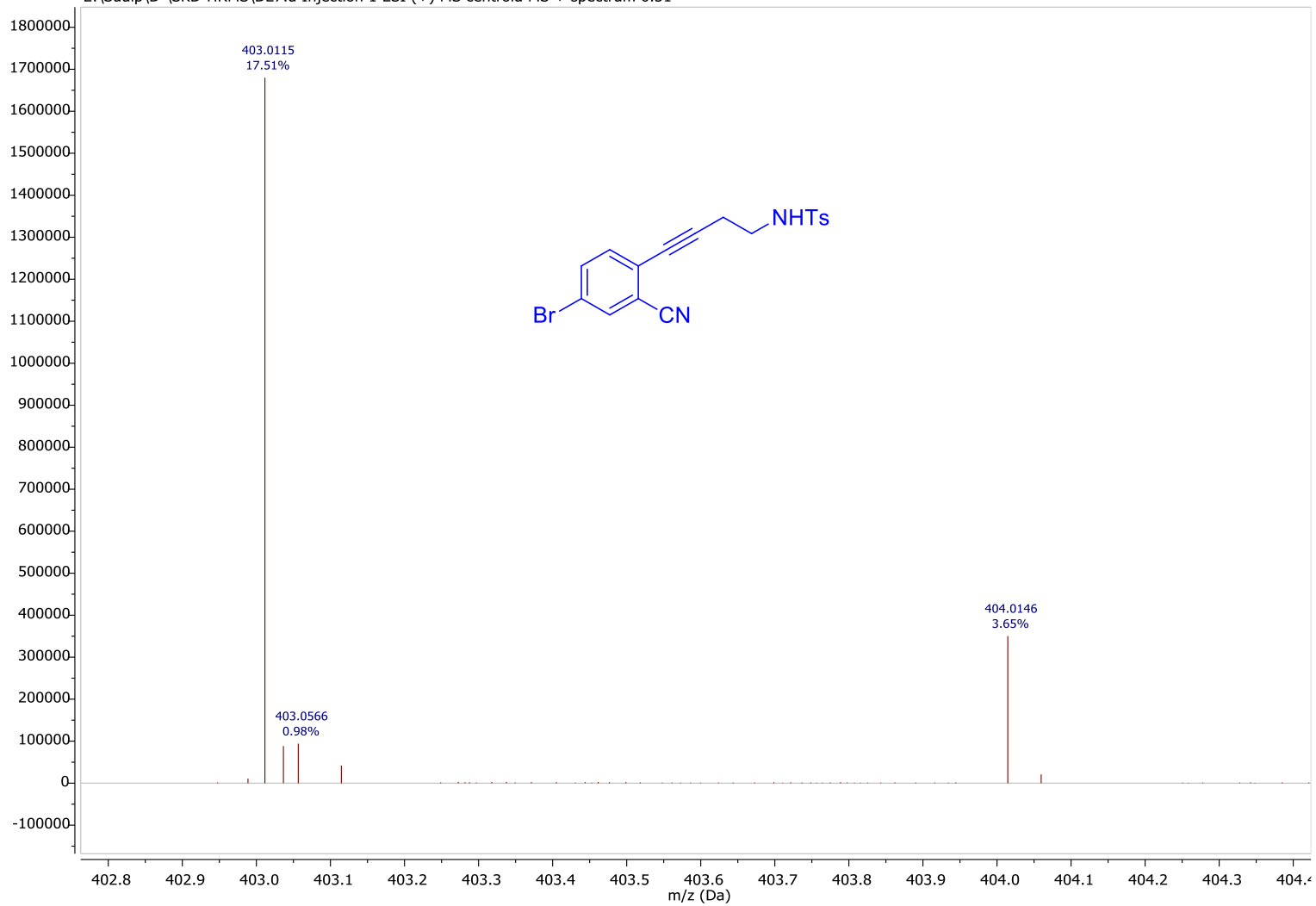
HRMS spectrum of **1b**

E:\Sudip\D-\SKD-HRMS\D 26.d Injection 1 ESI (+) MS centroid MS + spectrum 0.35

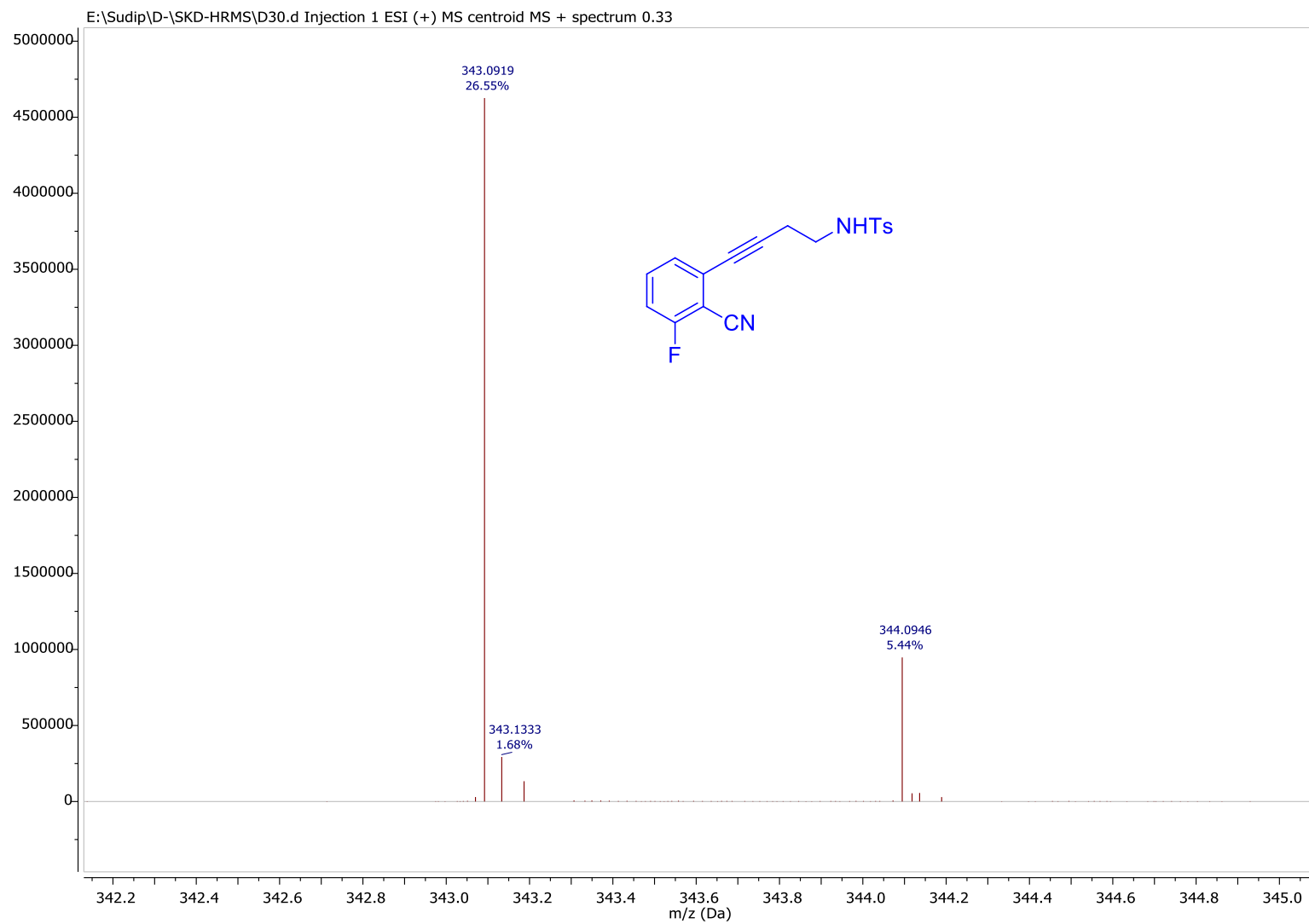


HRMS spectrum of **1c**

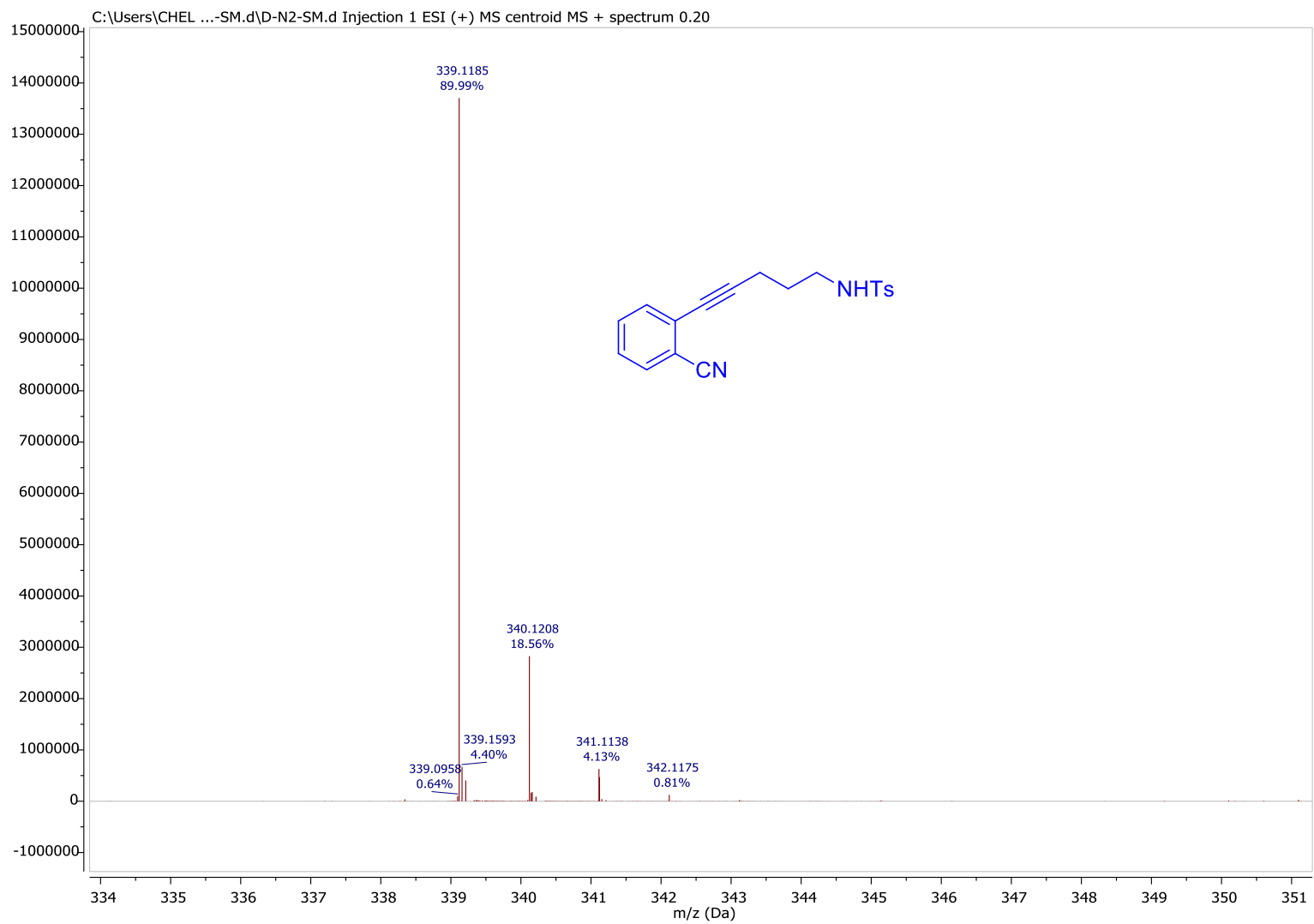
E:\Sudip\D-\SKD-HRMS\D27.d Injection 1 ESI (+) MS centroid MS + spectrum 0.31



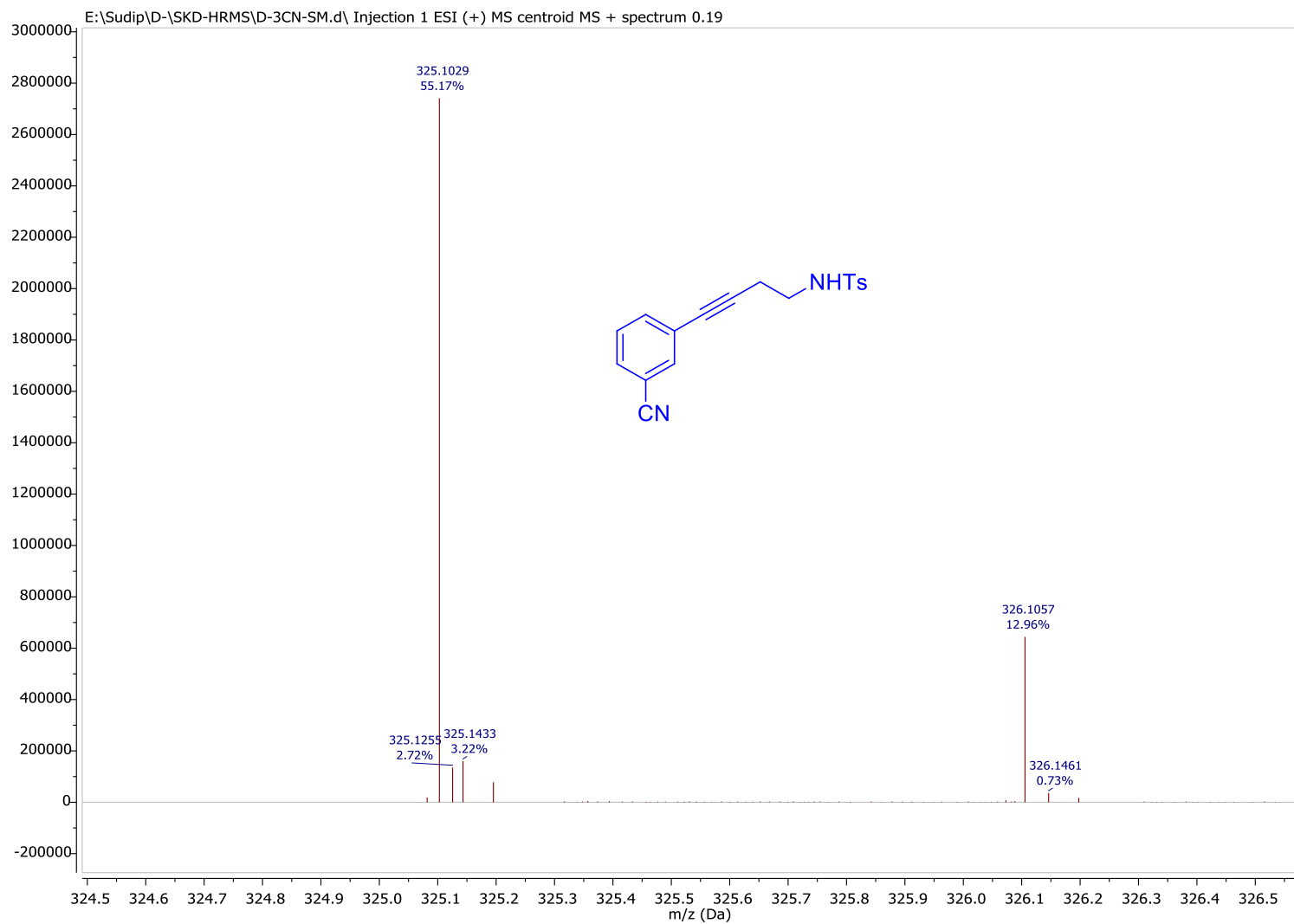
HRMS spectrum of **1d**



HRMS spectrum of **1e**

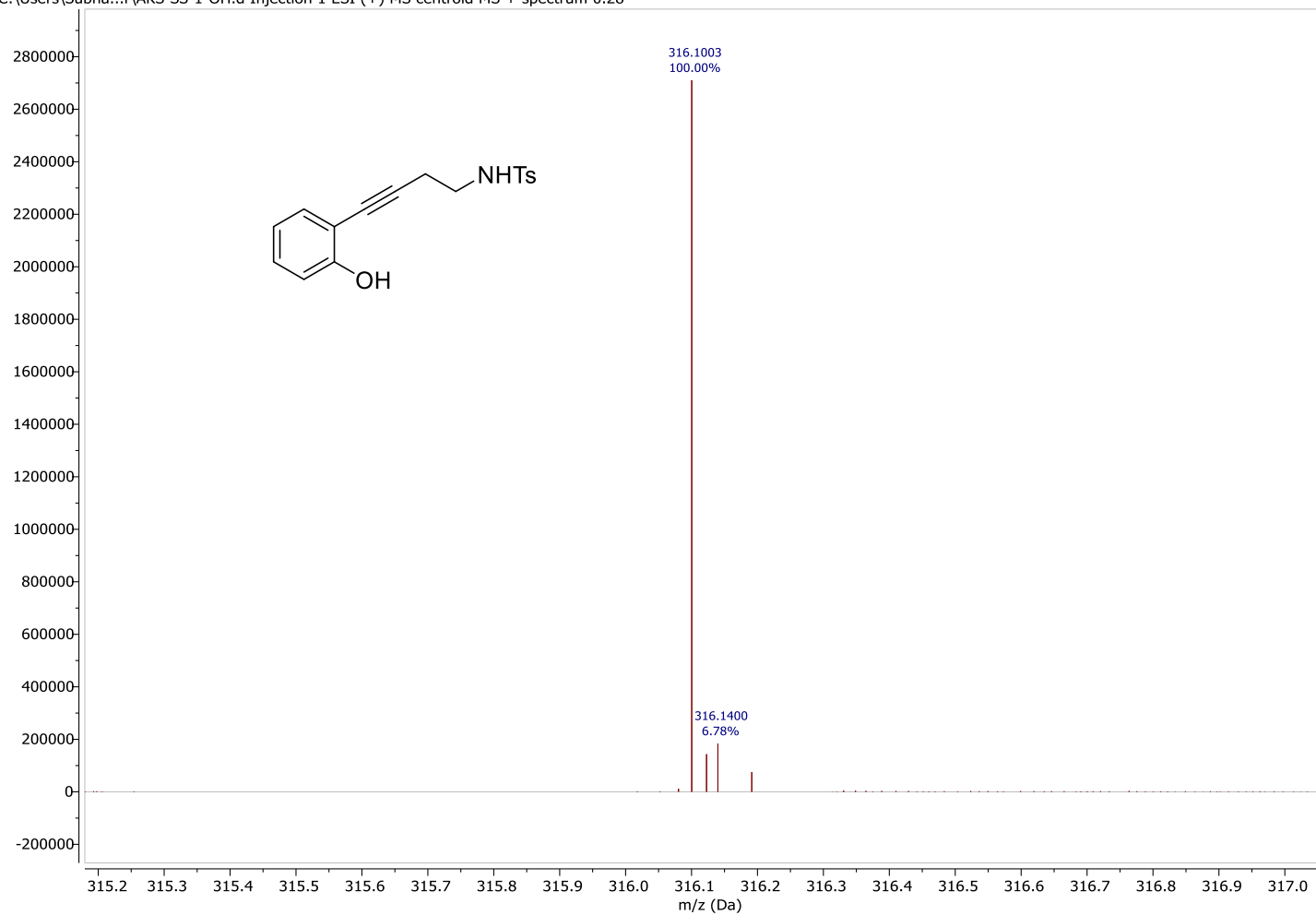


HRMS spectrum of **1f**

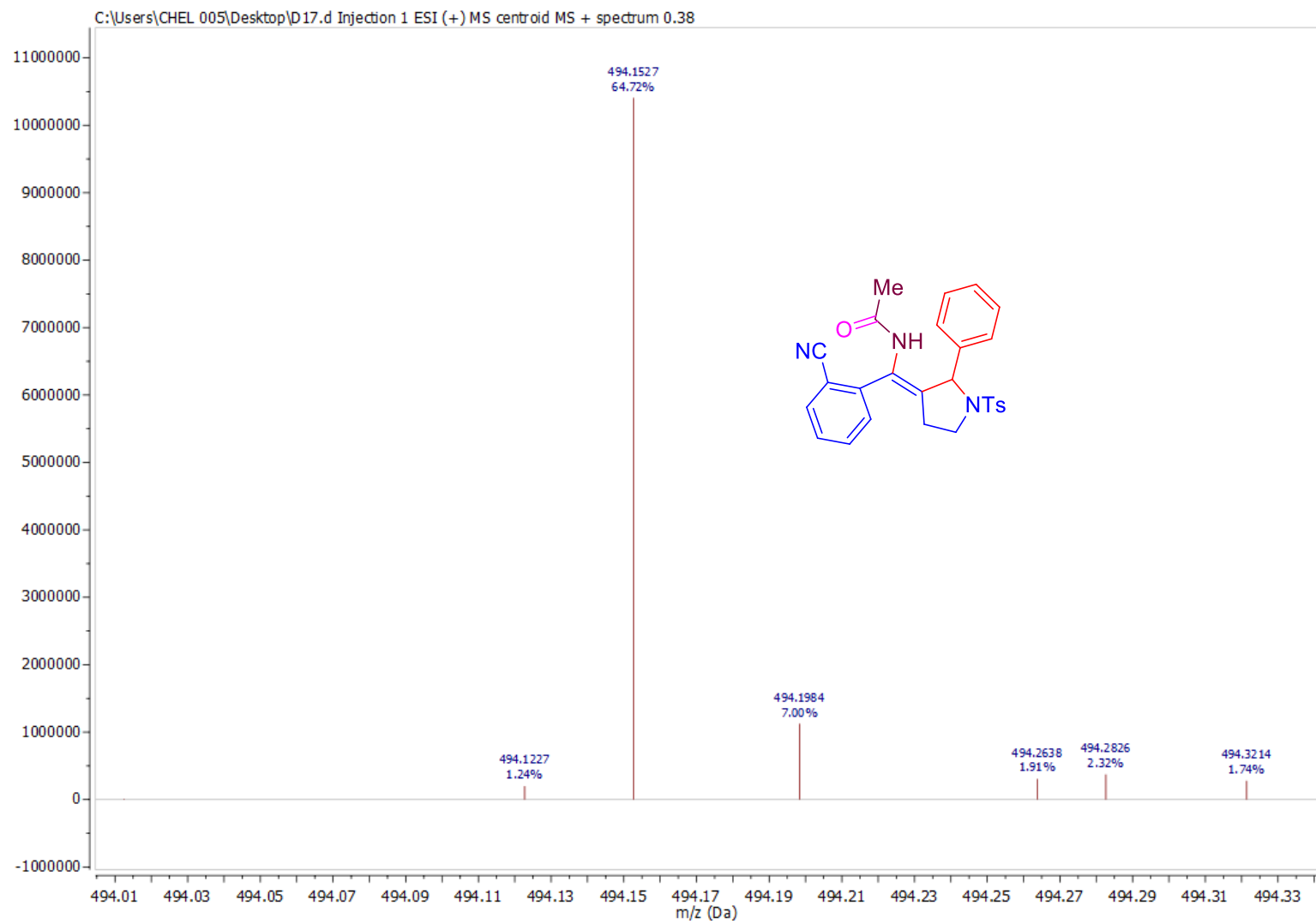


HRMS spectrum of **1g**

C:\Users\Subha...r\AKS-SS-1-OH.d Injection 1 ESI (+) MS centroid MS + spectrum 0.28

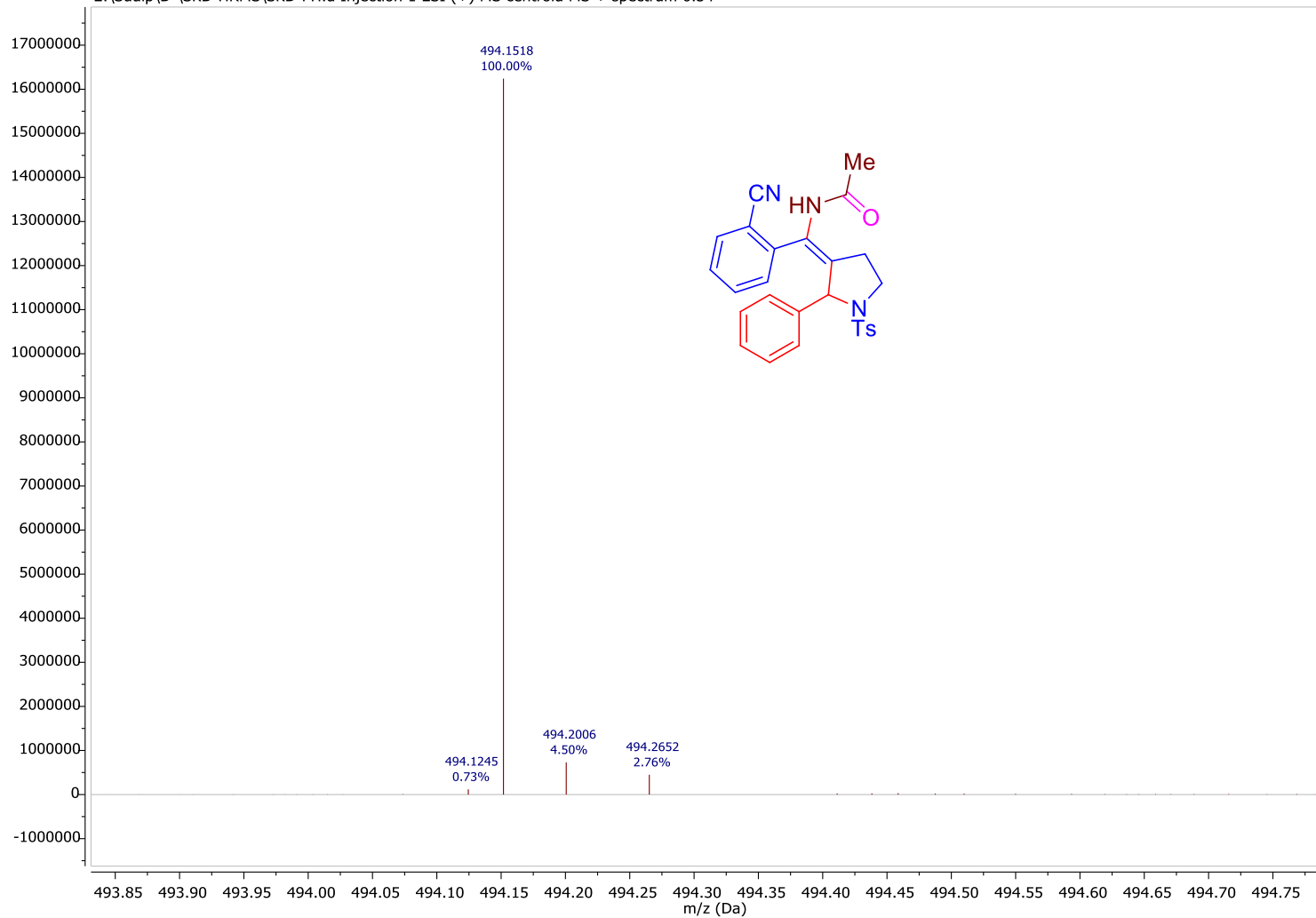


HRMS spectrum of Z-3aa



HRMS spectrum of *E-3aa*

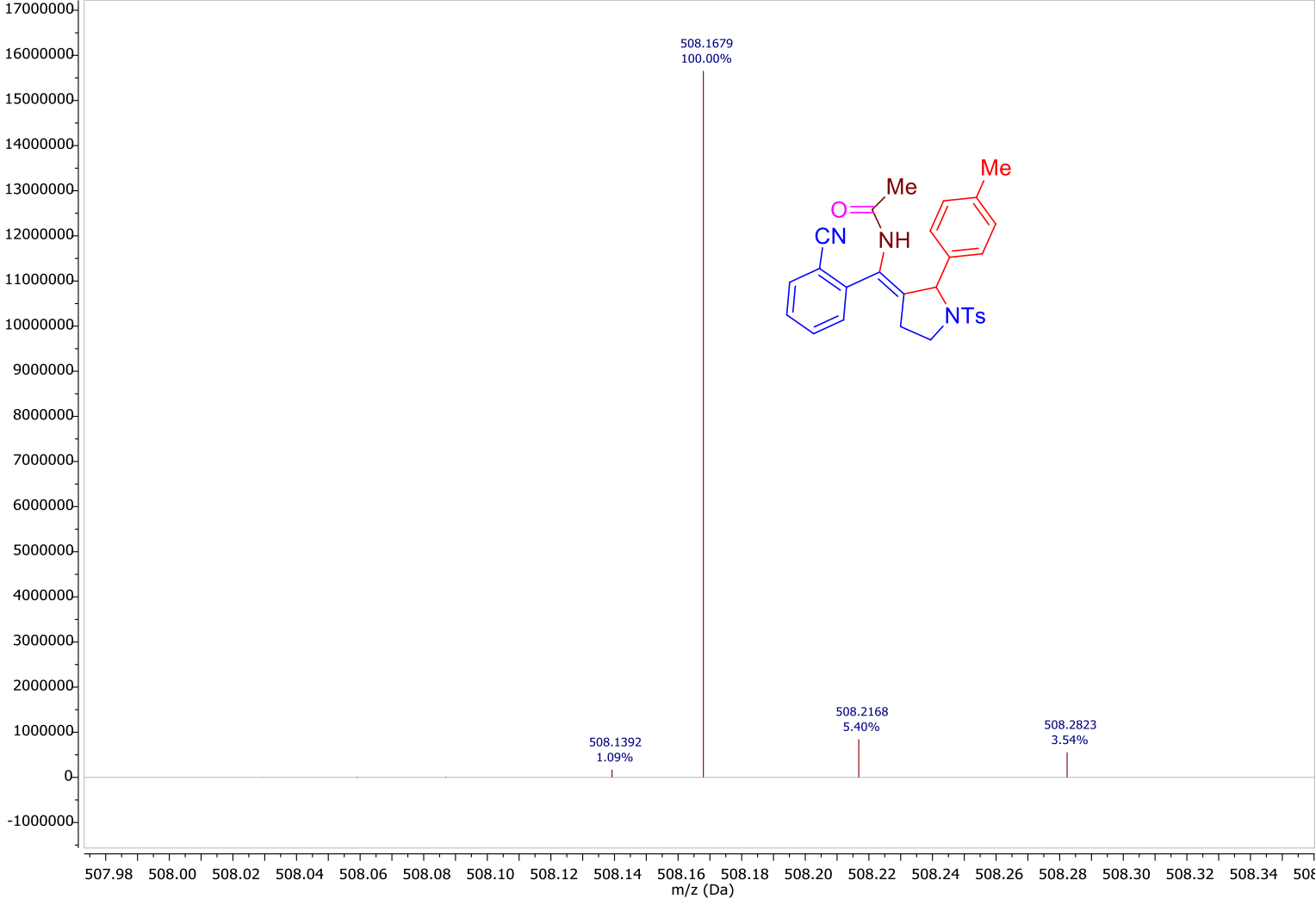
E:\Sudip\D-\SKD-HRMS\SKD-PH.d Injection 1 ESI (+) MS centroid MS + spectrum 0.34



S10

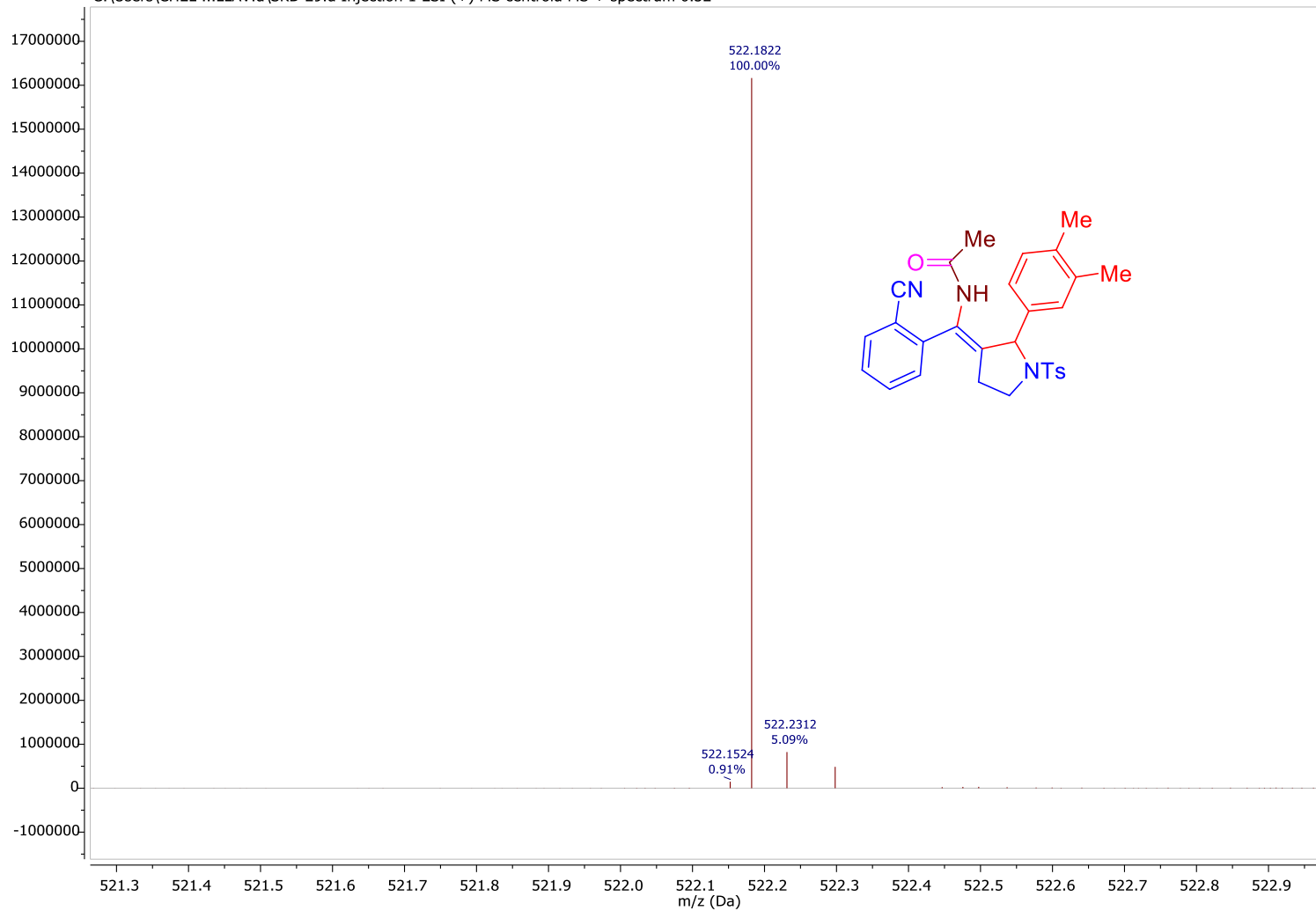
HRMS spectrum of Z-3ac

E:\Sudip\D-\SKD-HRMS\SKD-4ME.d Injection 1 ESI (+) MS centroid MS + spectrum 0.36



HRMS spectrum of Z-3ad

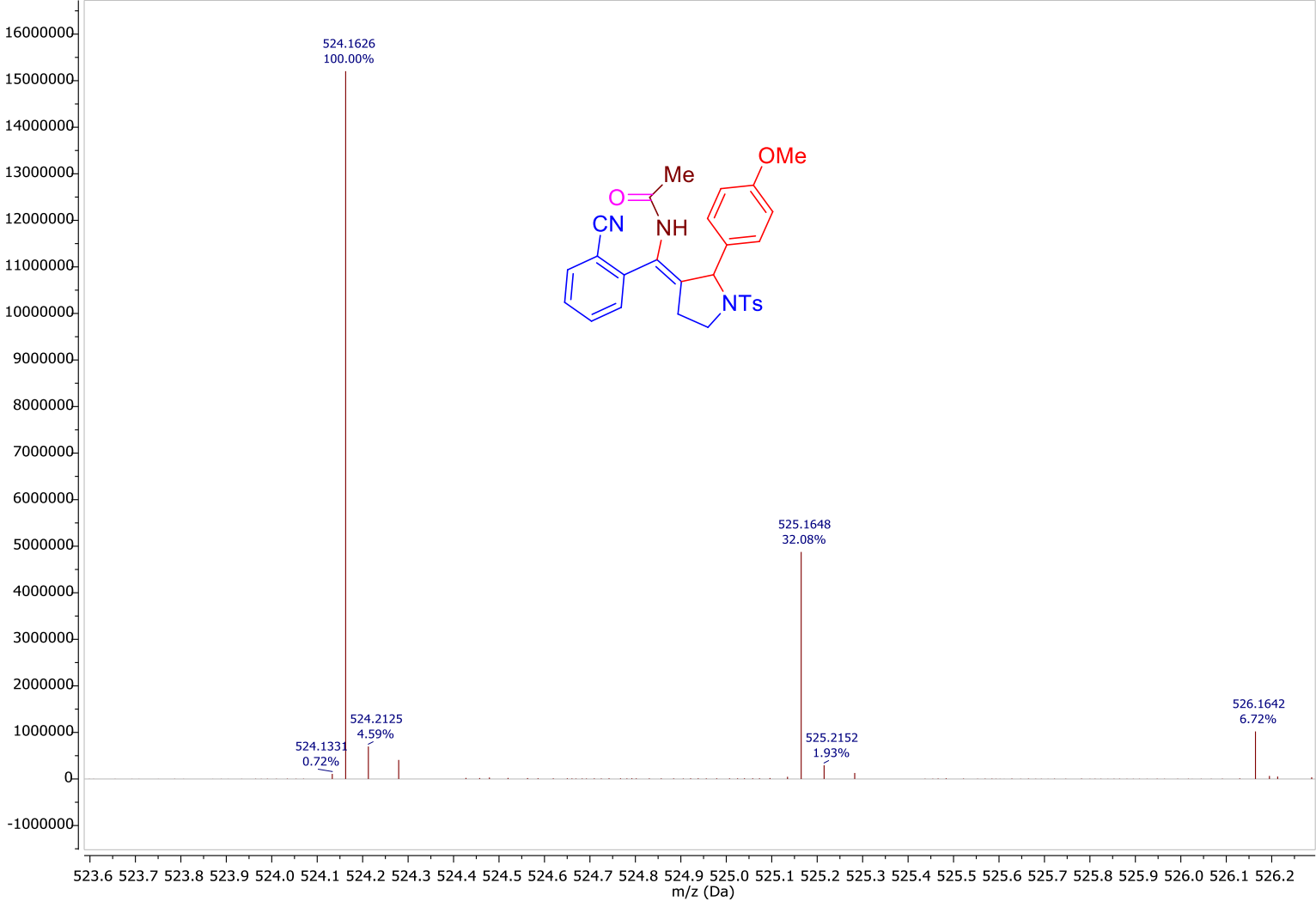
C:\Users\CHEL ...LLAV.d\SKD 29.d Injection 1 ESI (+) MS centroid MS + spectrum 0.32



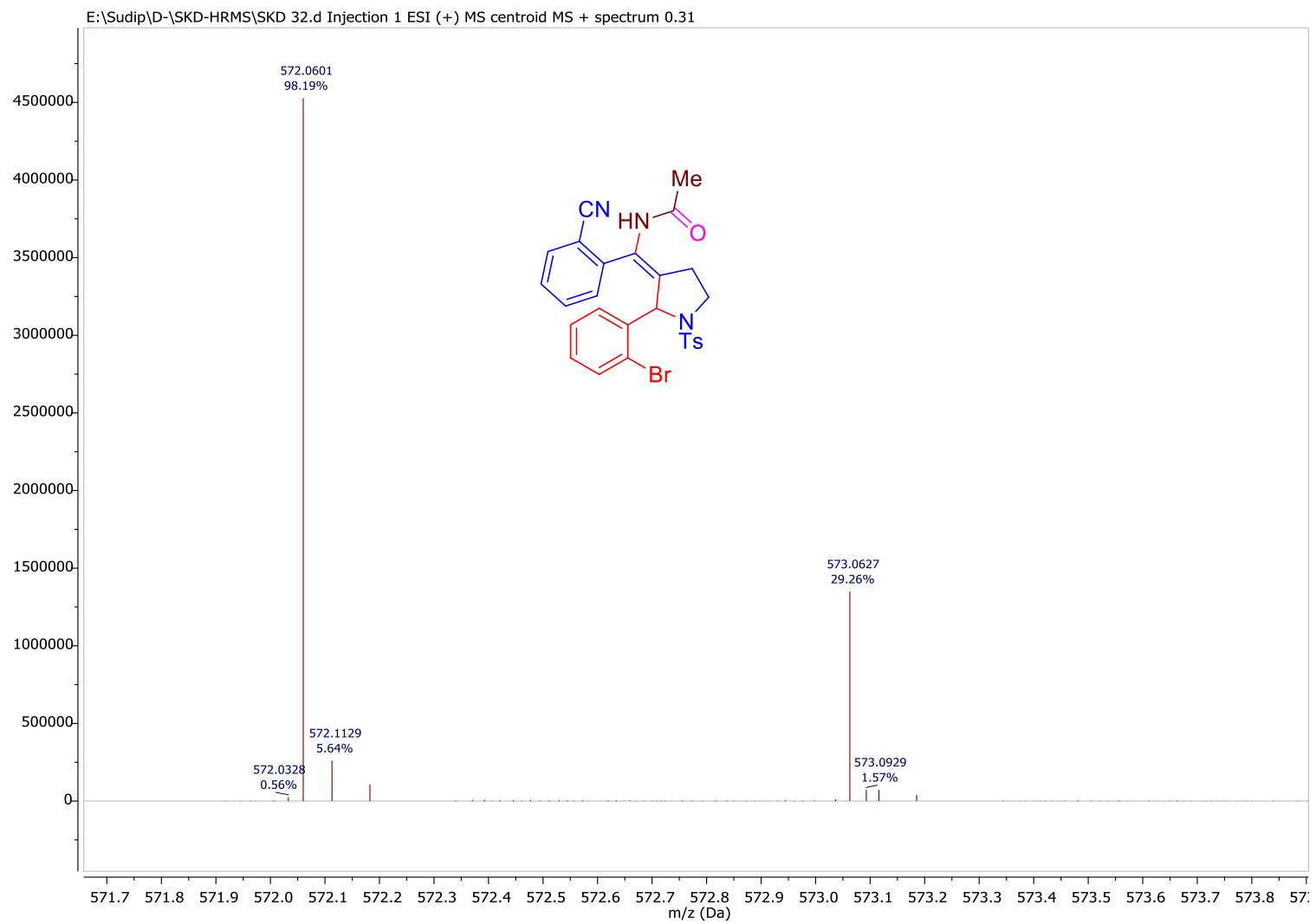
S12

HRMS spectrum of **Z-3ae**

C:\Users\CHEL ...LLAV.d\SKD 21.d Injection 1 ESI (+) MS centroid MS + spectrum 0.29

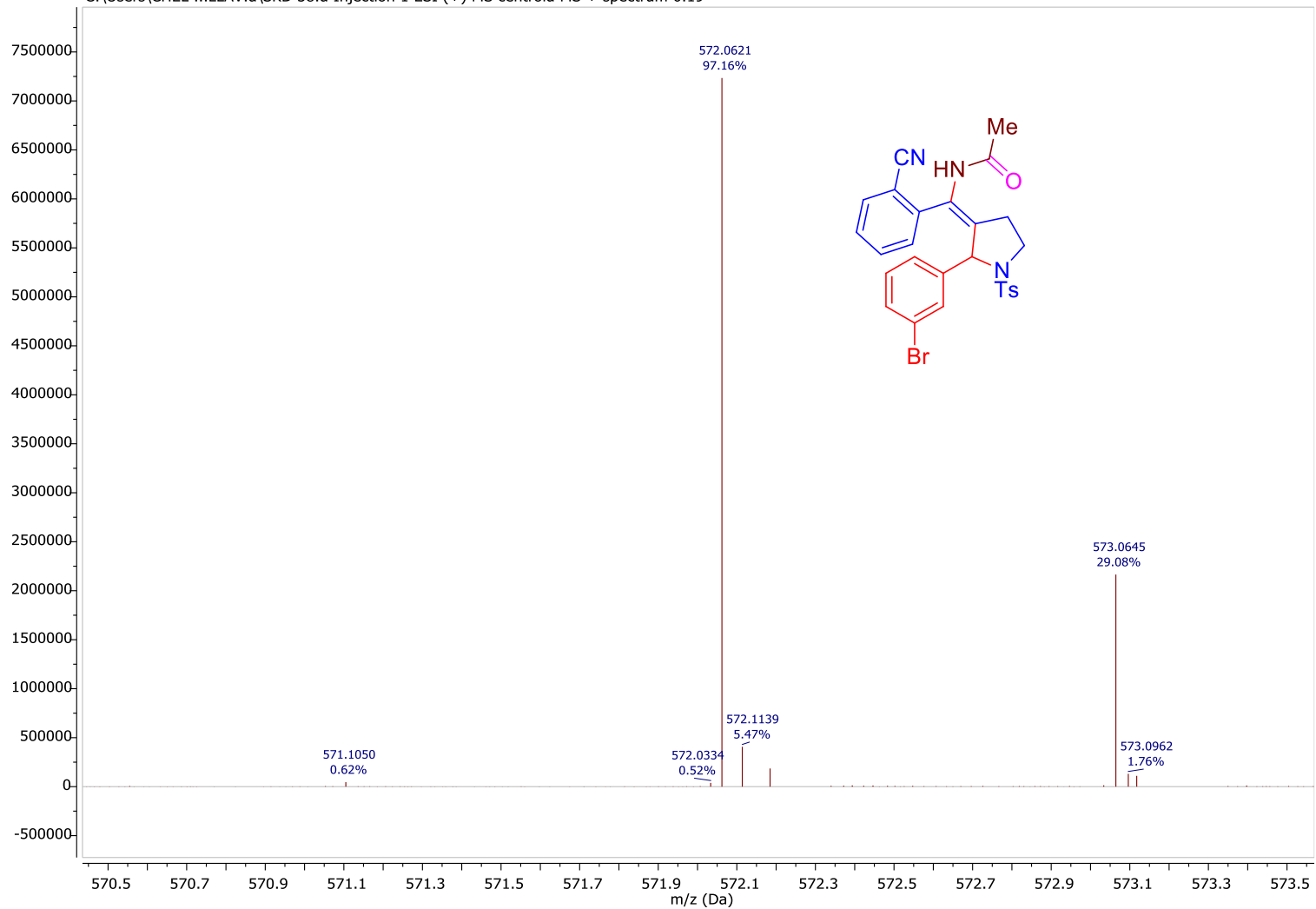


HRMS spectrum of *E-3af*



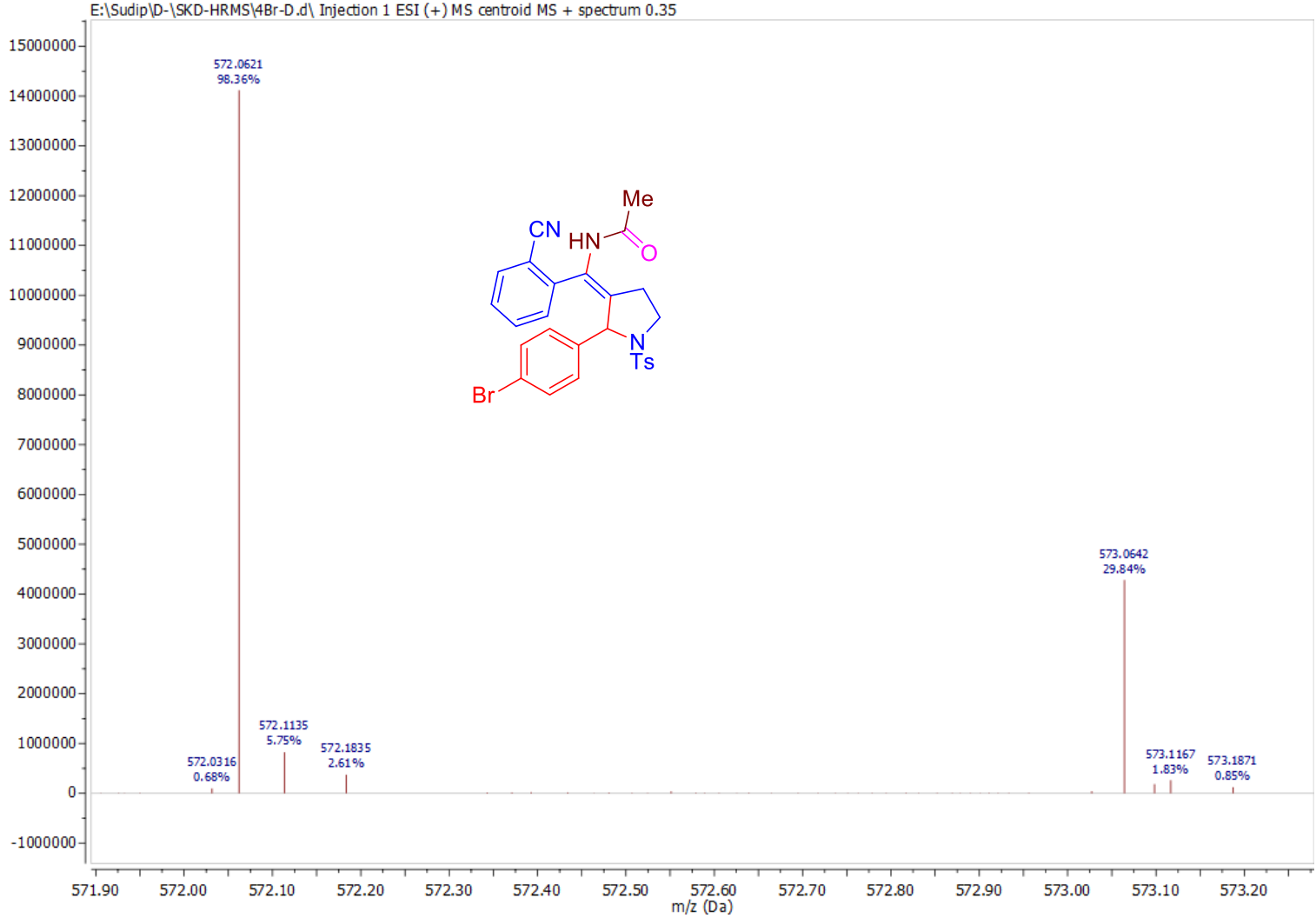
HRMS spectrum of *E-3ag*

C:\Users\CHEL ...LLAV.d\SKD 38.d Injection 1 ESI (+) MS centroid MS + spectrum 0.19

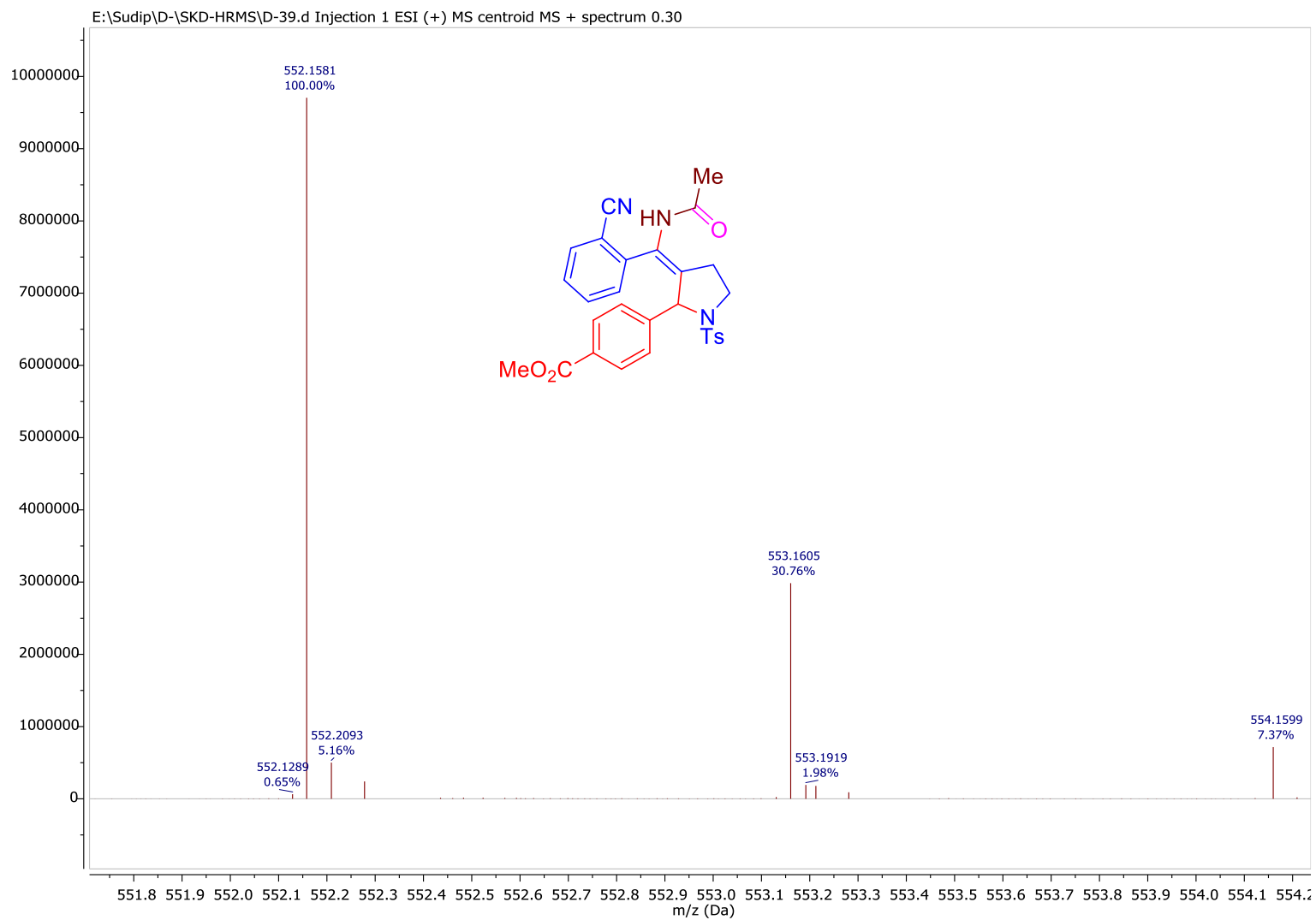


S15

HRMS spectrum of *E-3ah*

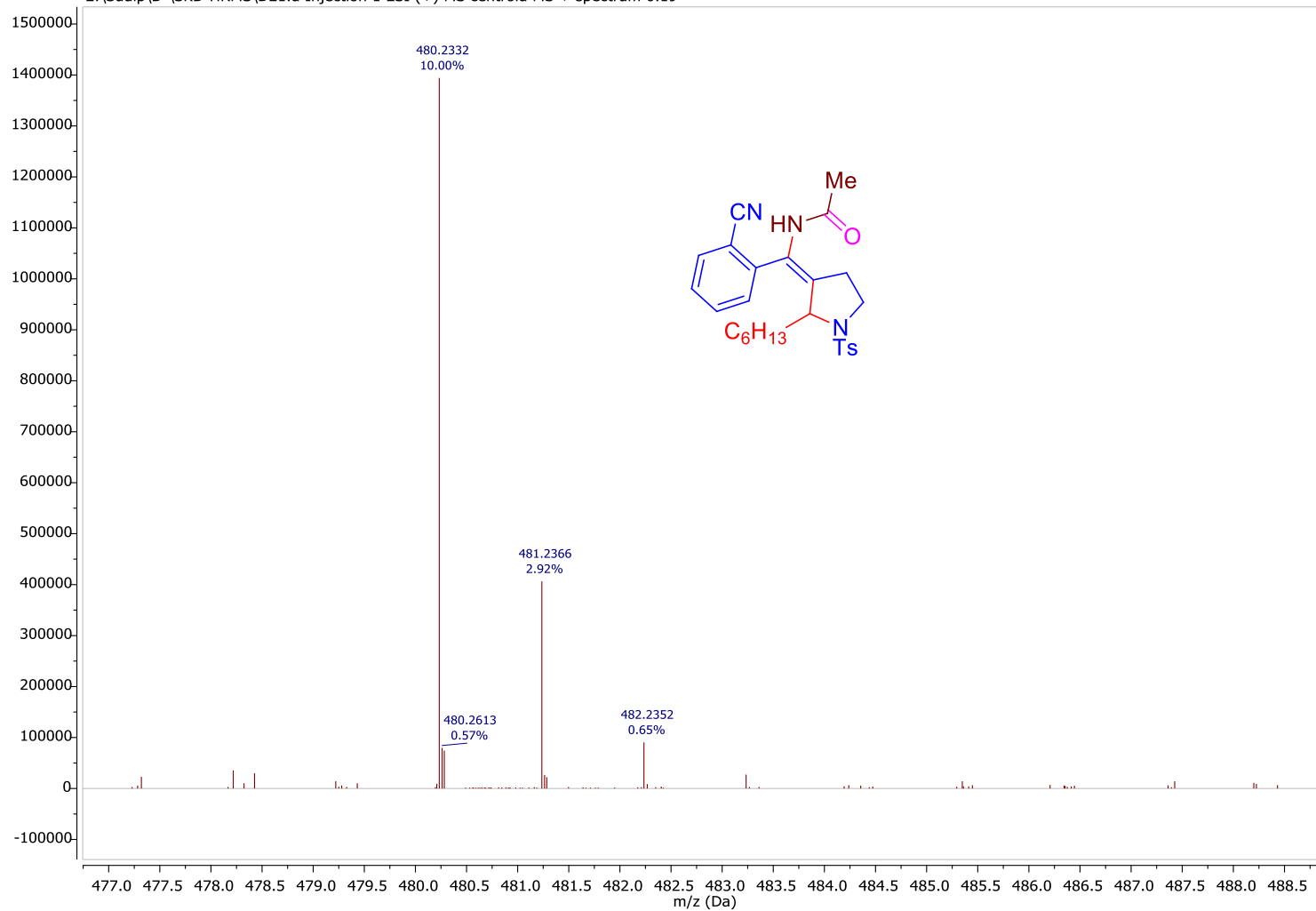


HRMS spectrum of *E-3ai*



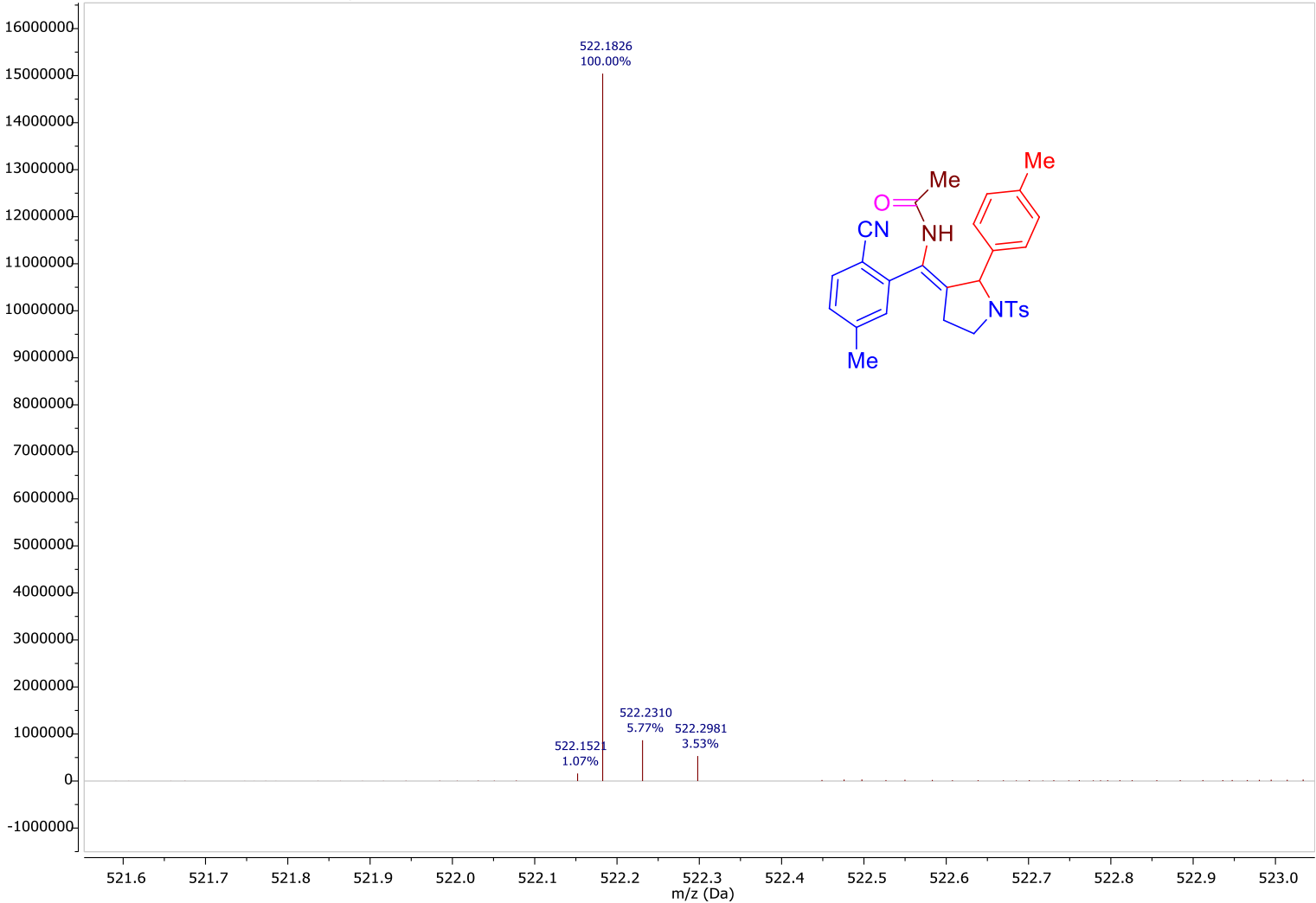
HRMS spectrum of *E-3aj*

E:\Sudip\D-\SKD-HRMS\D21.d Injection 1 ESI (+) MS centroid MS + spectrum 0.19

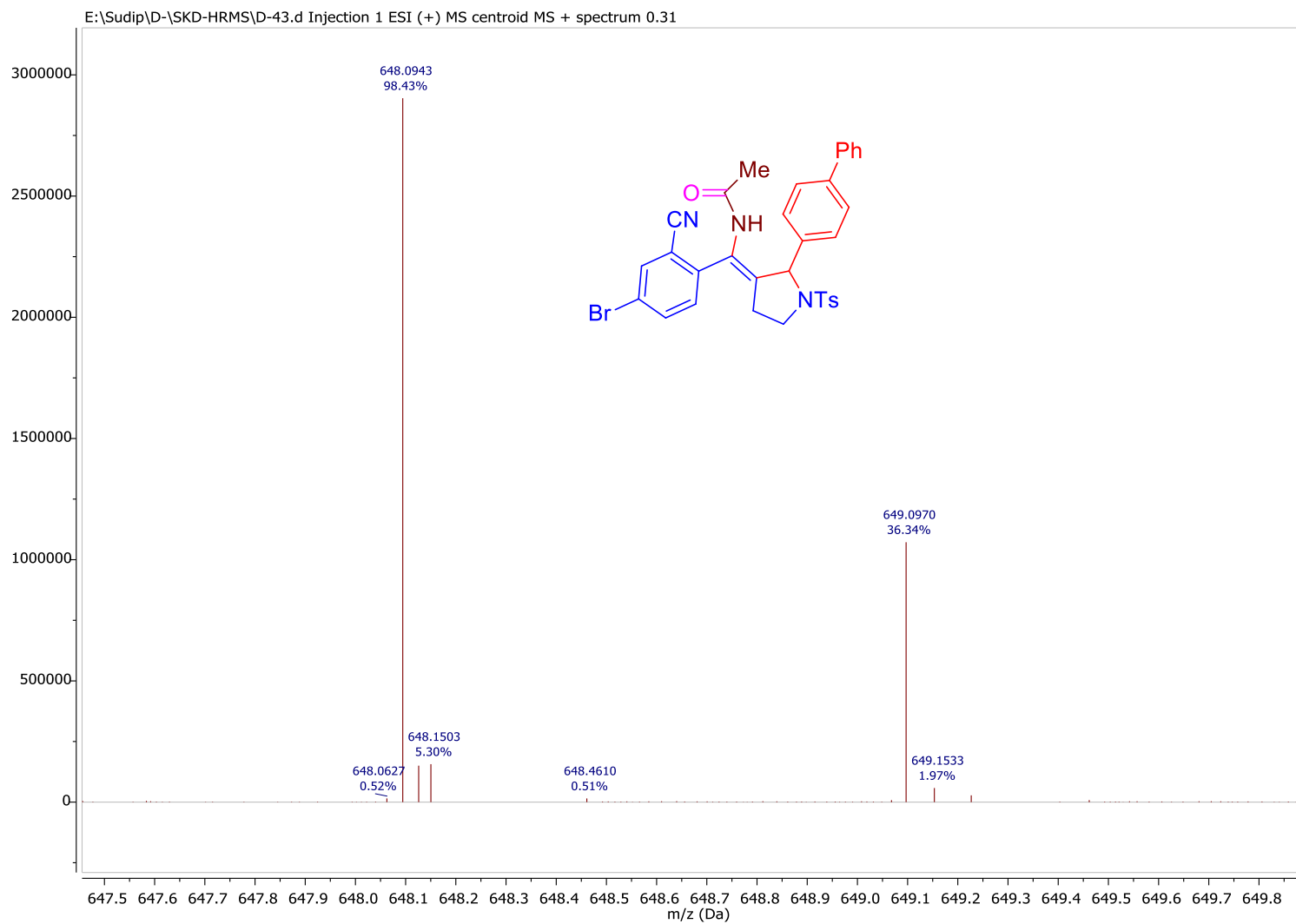


HRMS spectrum of Z-3bc

C:\Users\CHEL ...LLAV.d\SKD 35.d Injection 1 ESI (+) MS centroid MS + spectrum 0.35

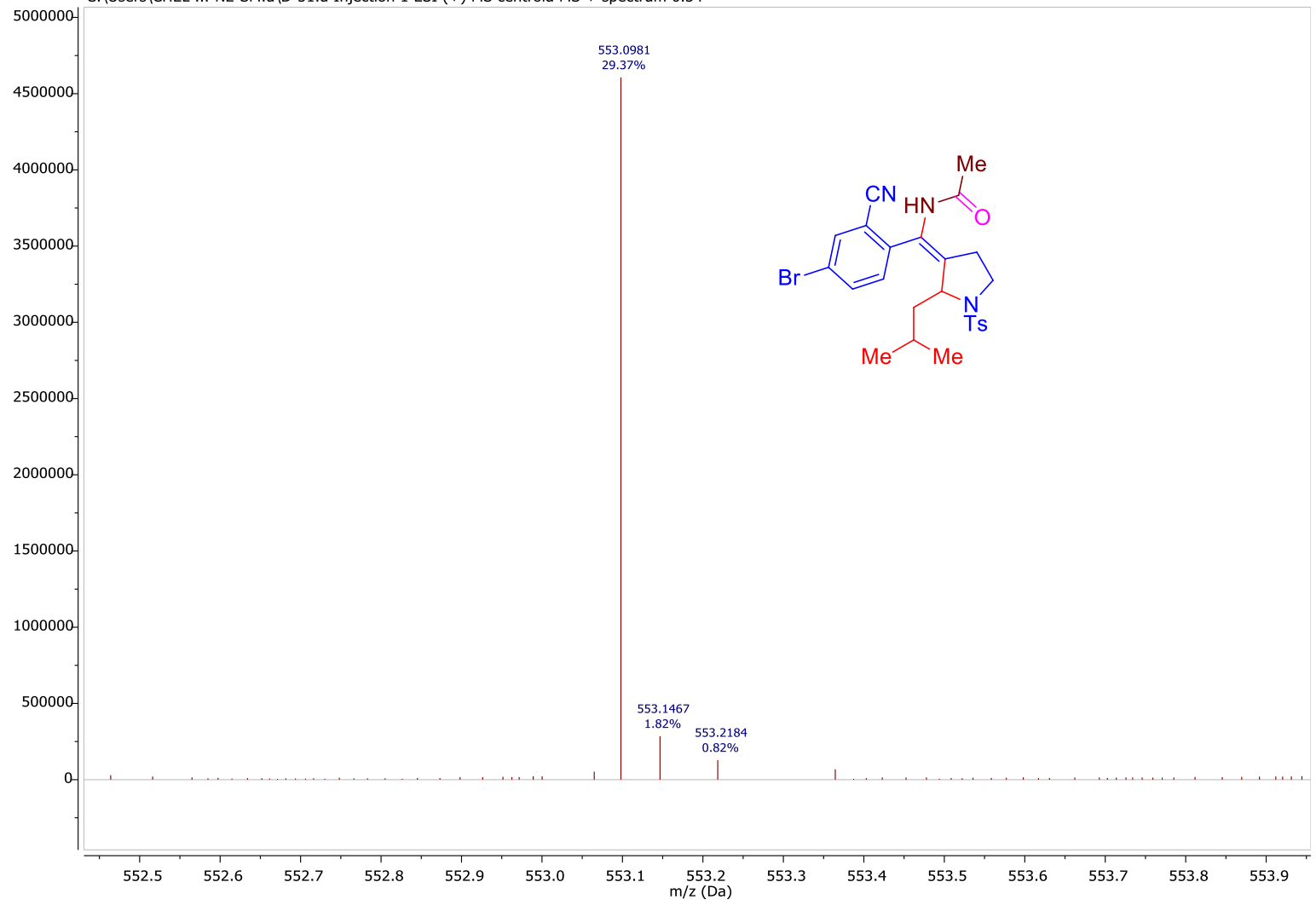


HRMS spectrum of Z-3ck



HRMS spectrum of *E-3c1*

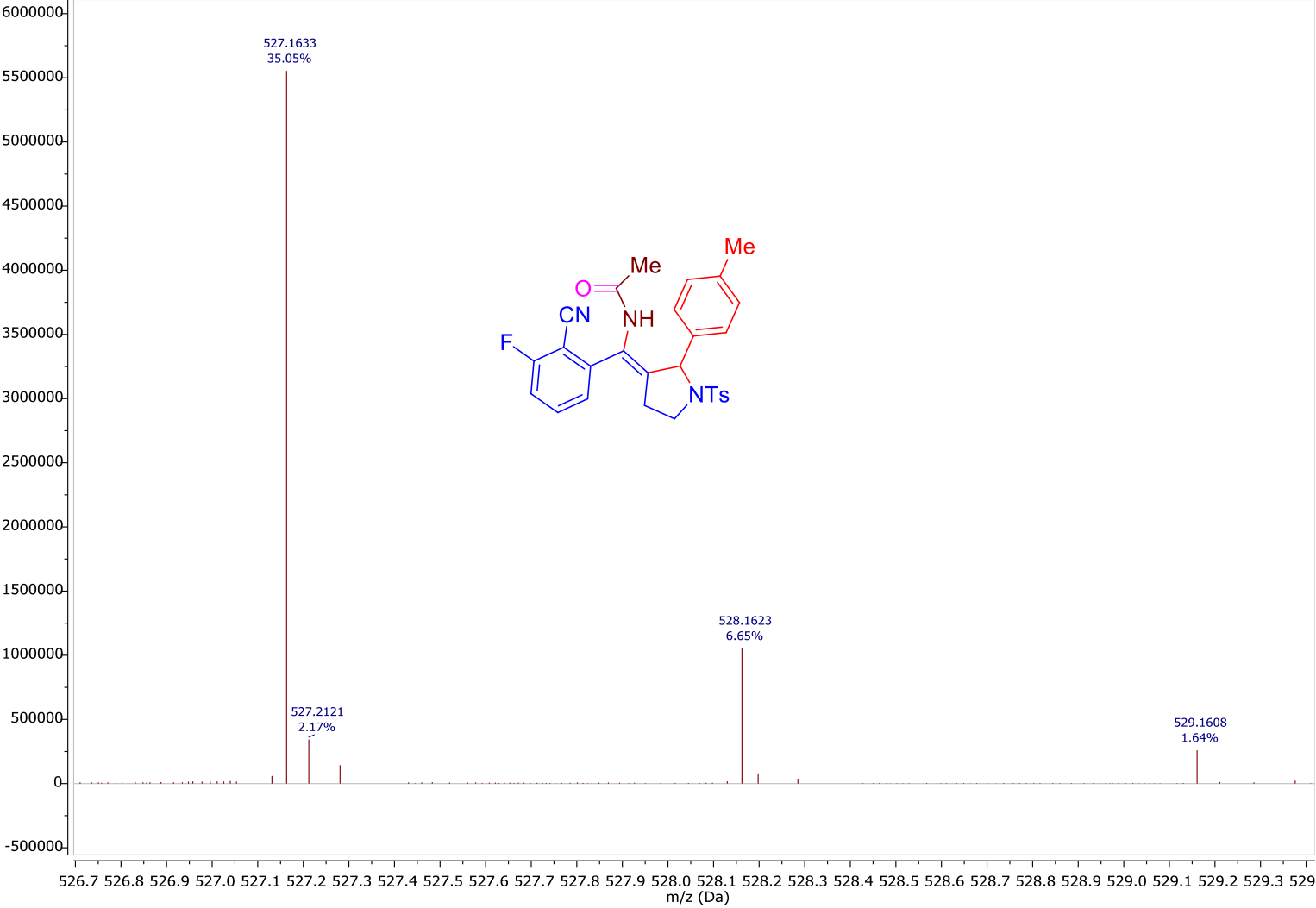
C:\Users\CHEL ...-N2-SM.d\D-51.d Injection 1 ESI (+) MS centroid MS + spectrum 0.34



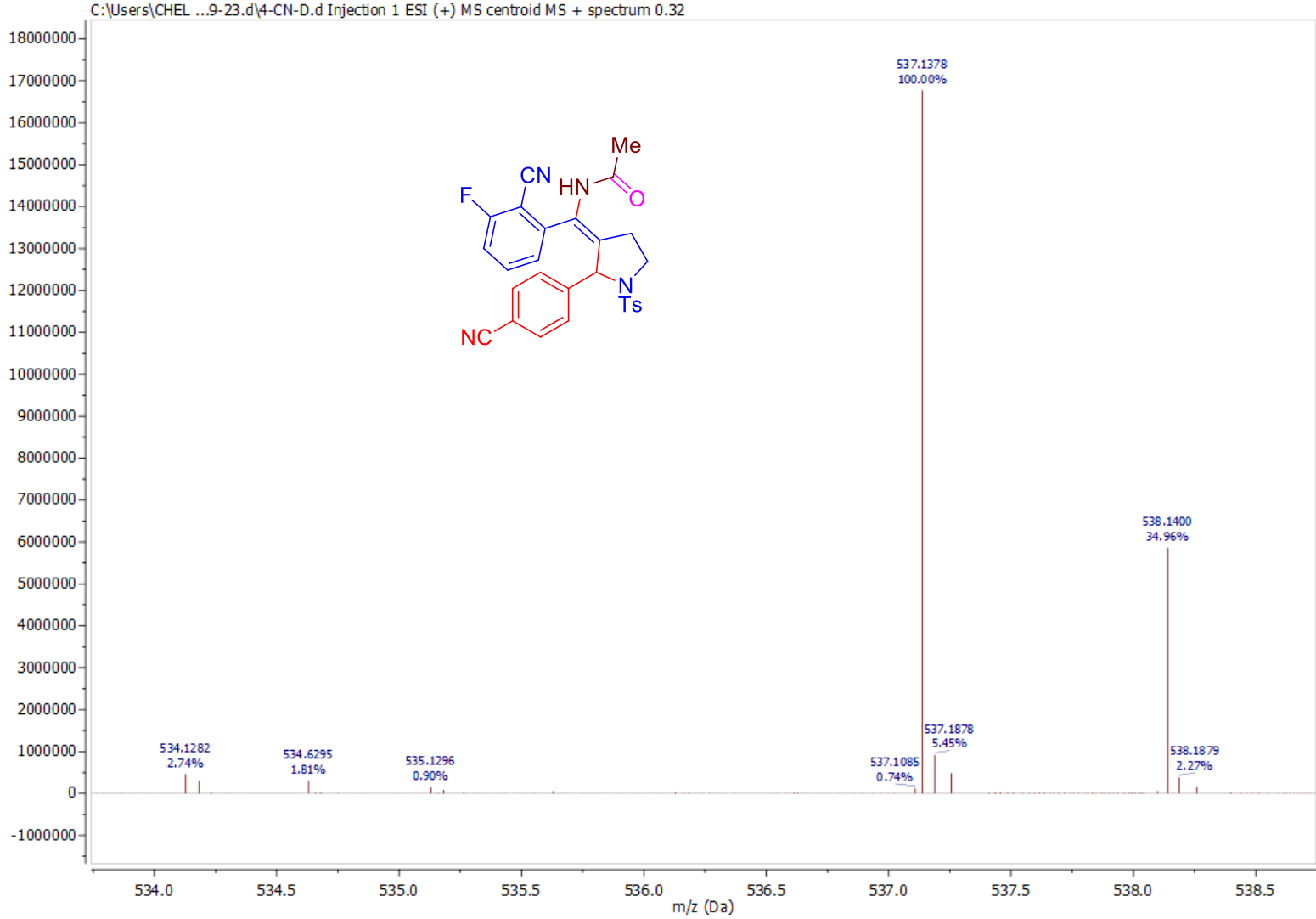
S21

HRMS spectrum of **Z-3dc**

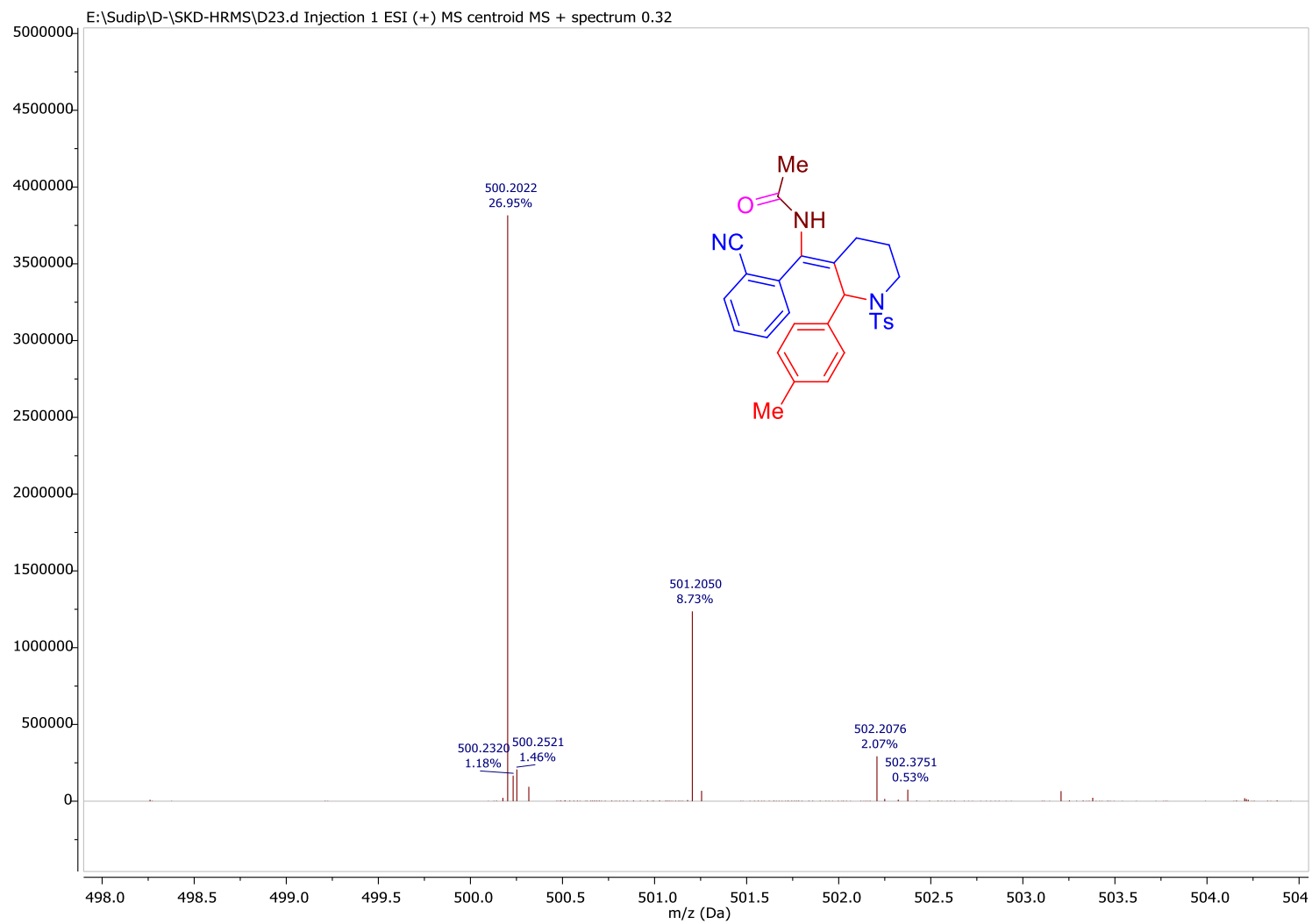
C:\Users\CHEL ...2-SM.d\D-52-R.d Injection 1 ESI (+) MS centroid MS + spectrum 0.20



HRMS spectrum of **Z-3dm**

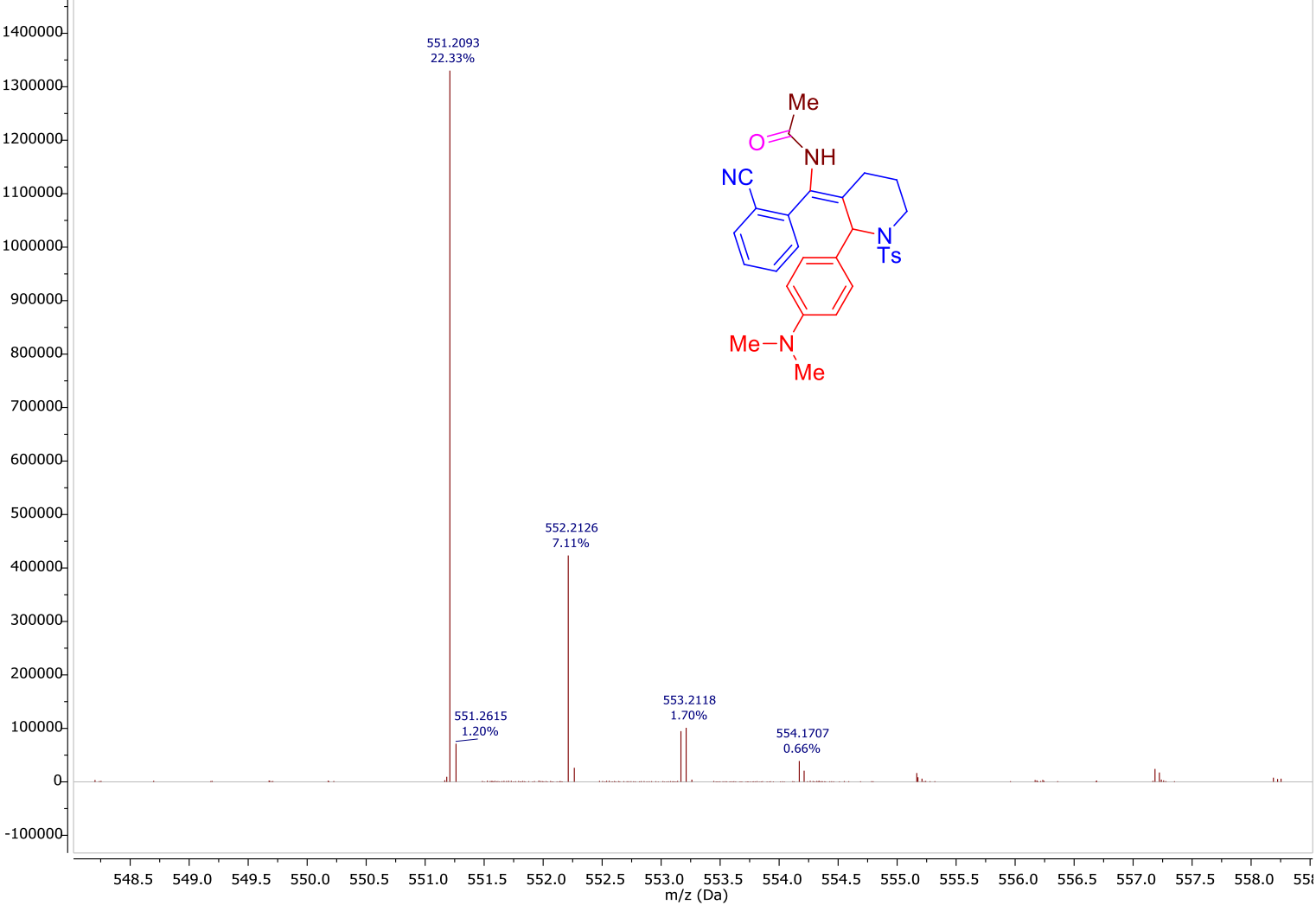


HRMS spectrum of *E-4ec*

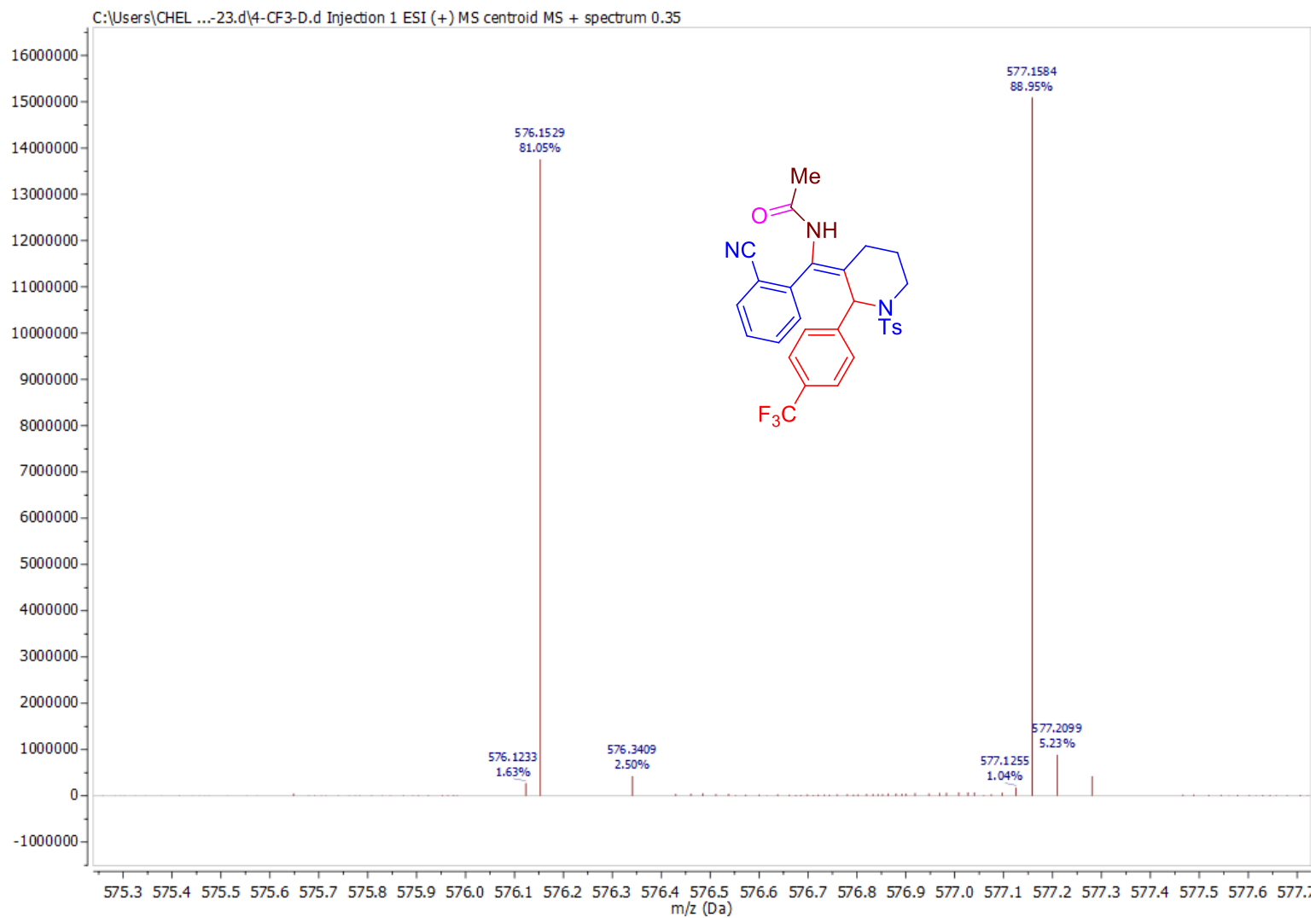


HRMS spectrum of *E-4en*

C:\Users\Sudip...pdated\AKSD54.d Injection 1 ESI (+) MS centroid MS + spectrum 0.25

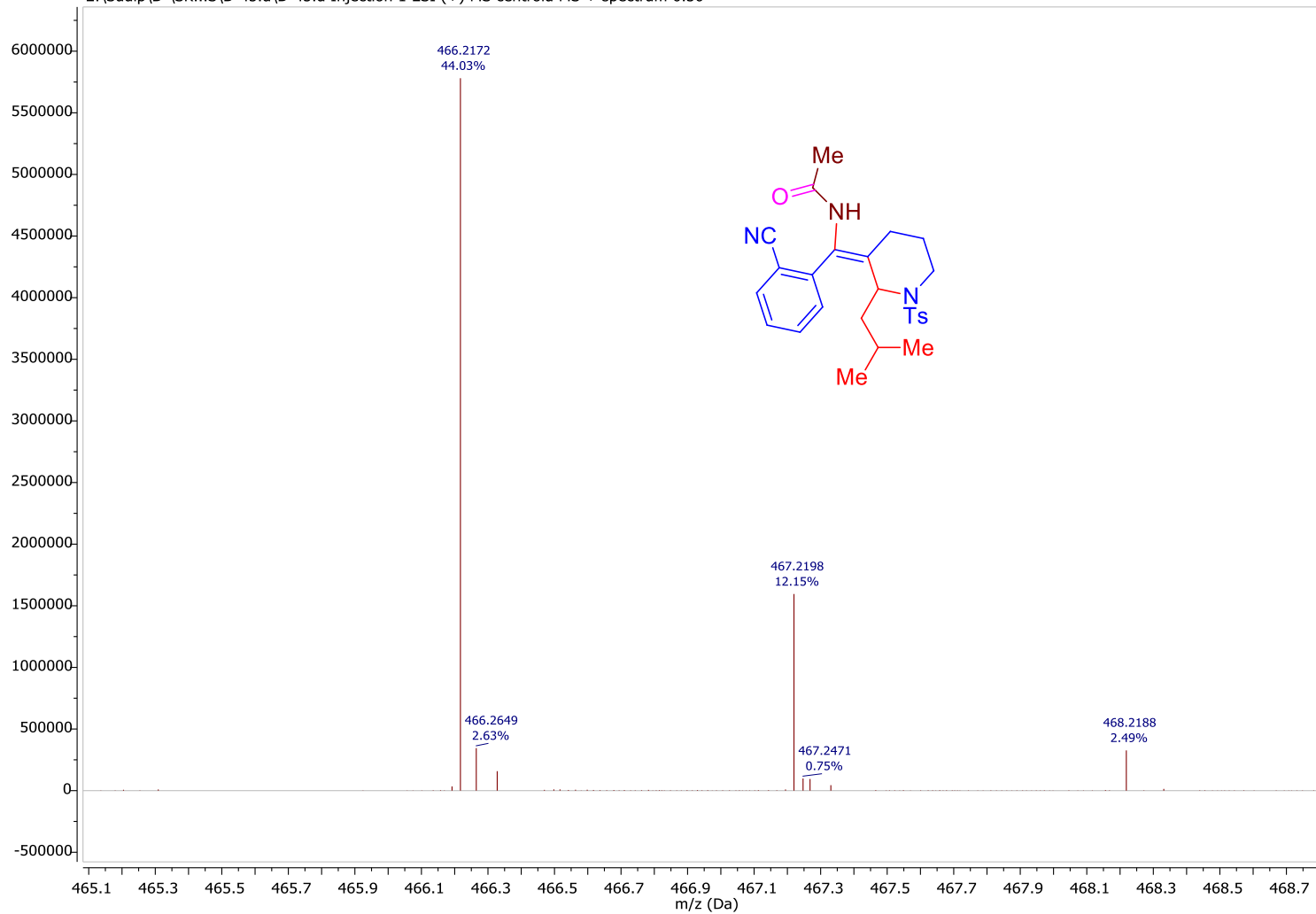


HRMS Spectrum of *E-4eo*

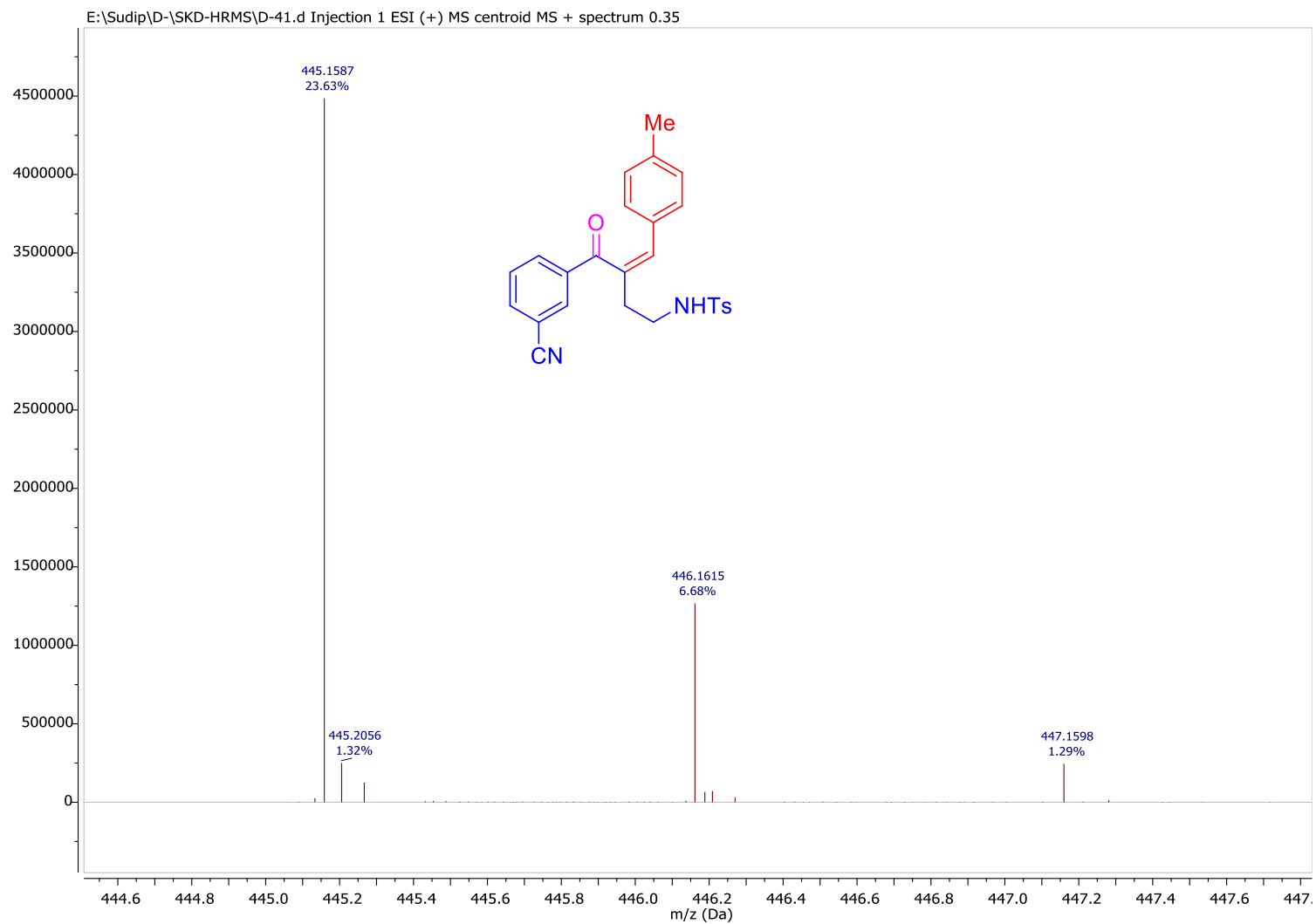


HRMS spectrum of *E-4el*

E:\Sudip\D-\SK...\S\D-45.d\D-45.d Injection 1 ESI (+) MS centroid MS + spectrum 0.30



HRMS spectrum of 5fc



HRMS spectrum of 5gc

C:\Users\Subha...\AKS-SS-1F-OH.d Injection 1 ESI (+) MS centroid MS + spectrum 0.32

