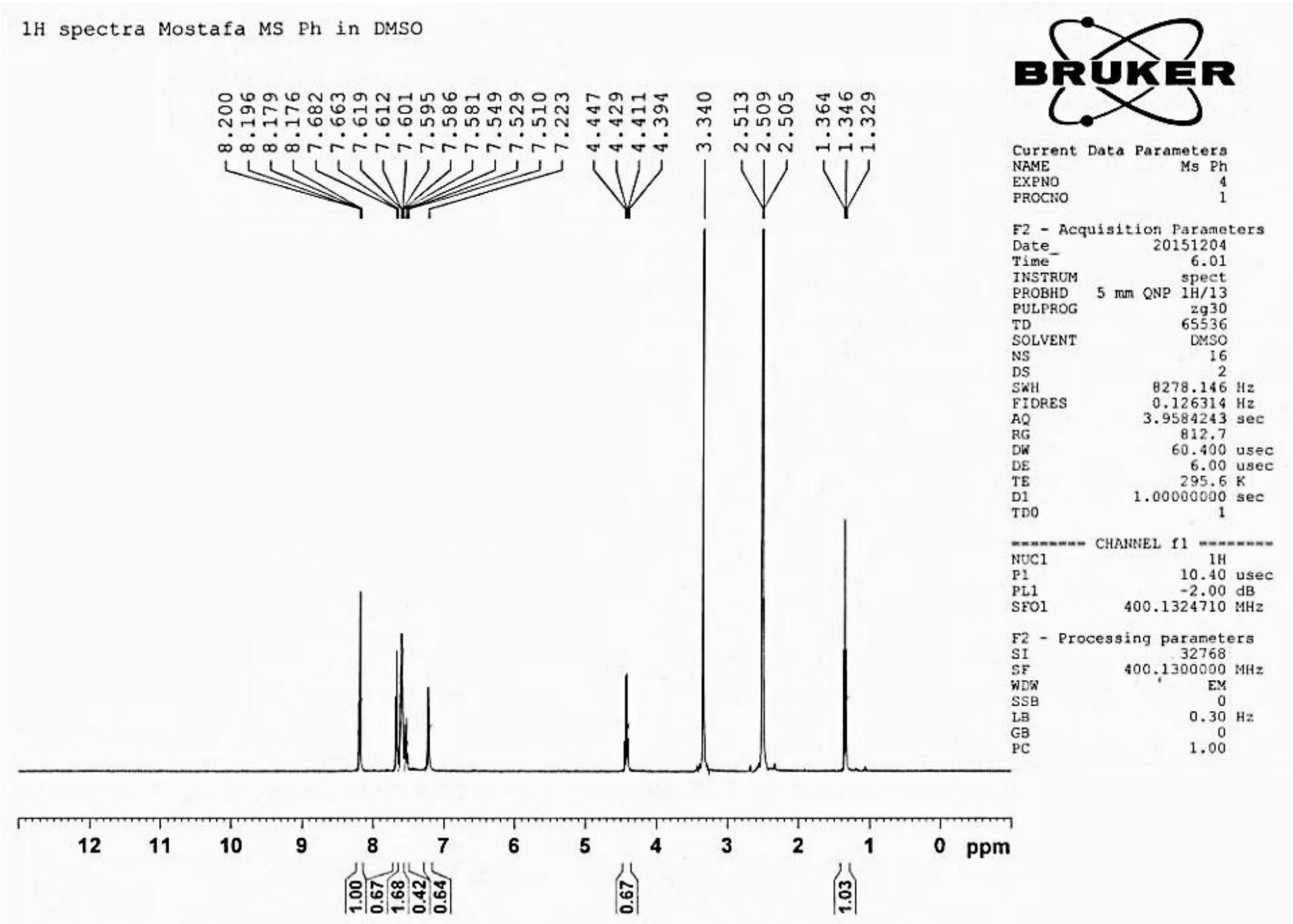
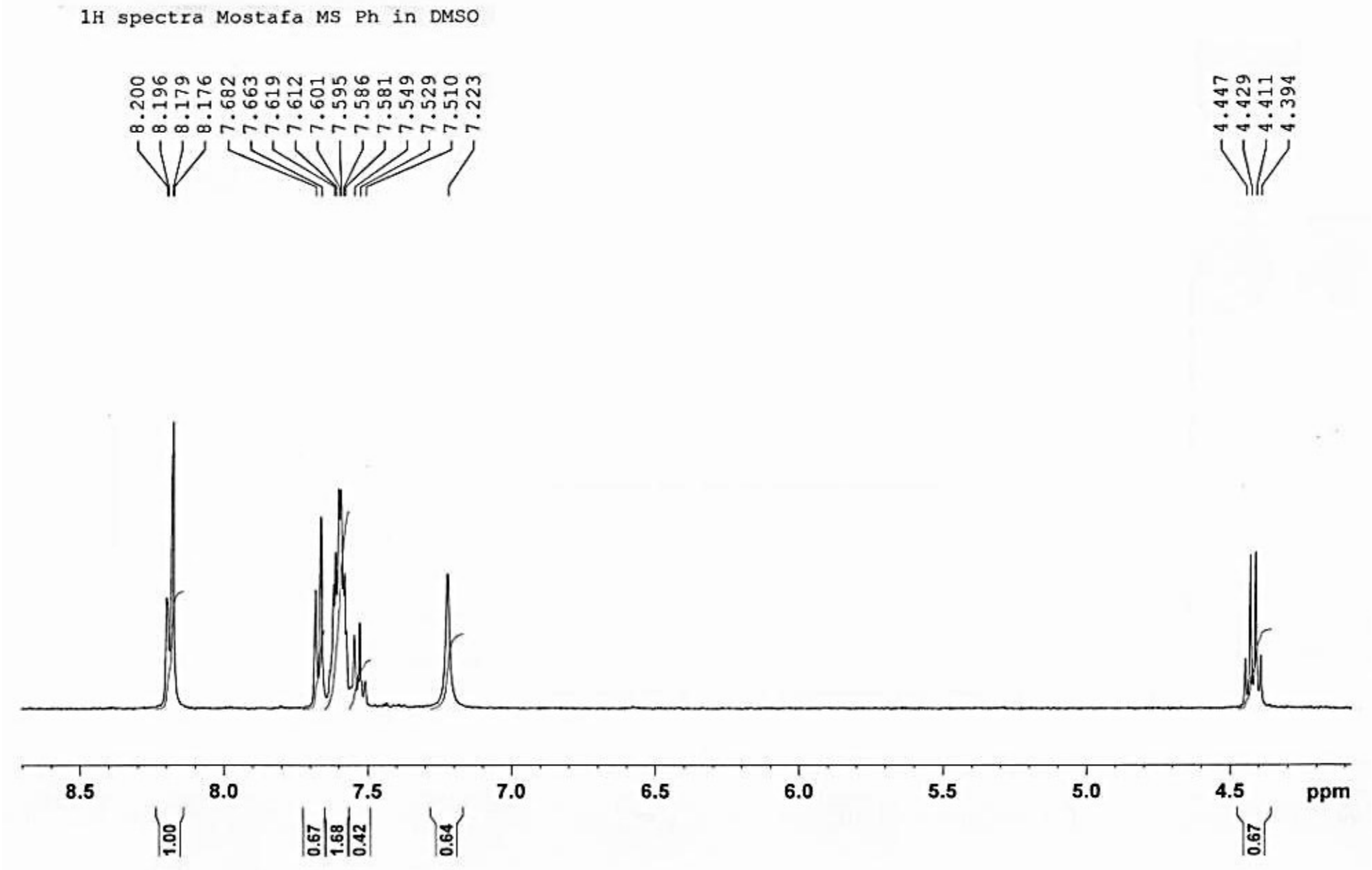
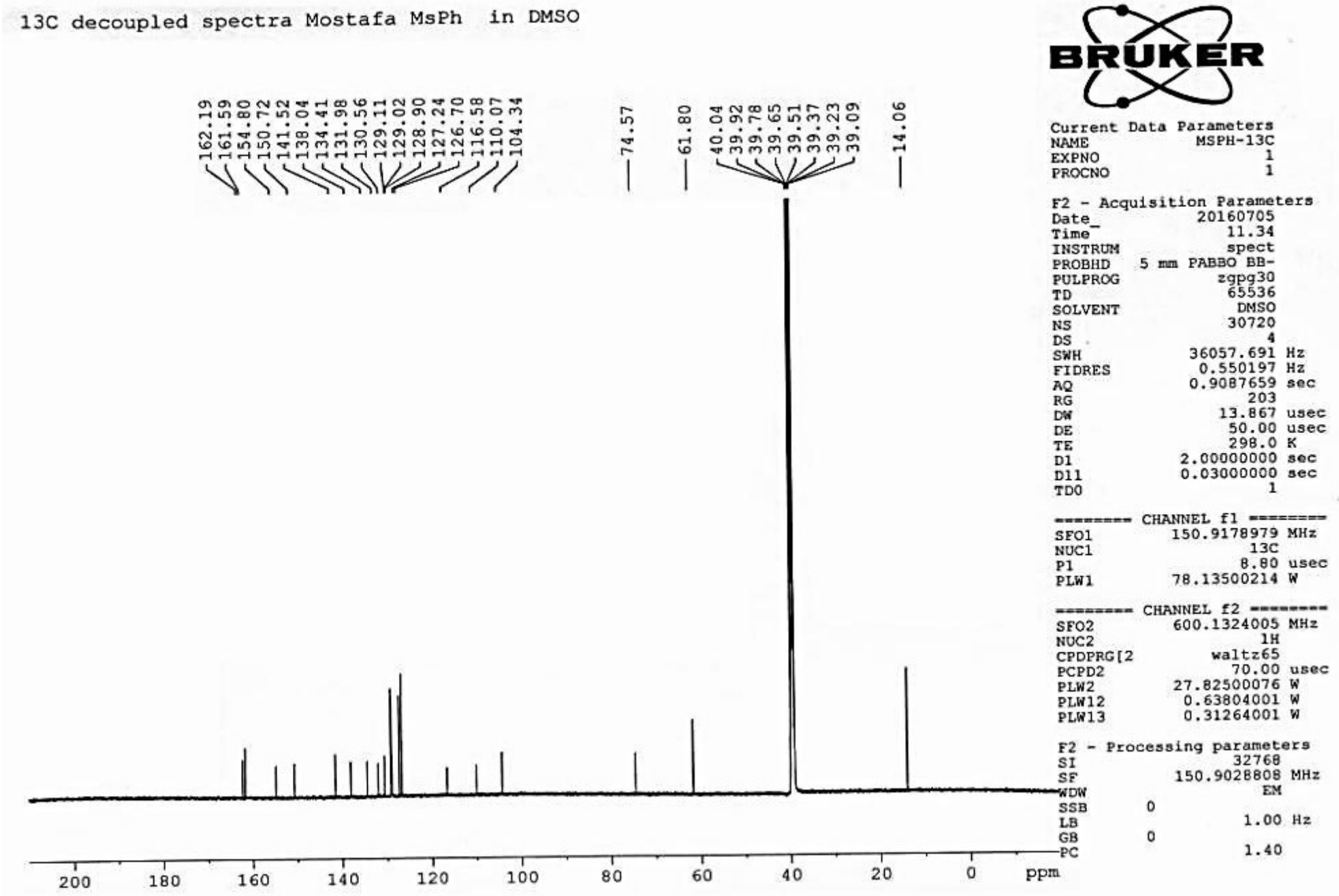
Electronic Supplementary Material (ESI) for RSC Advances.



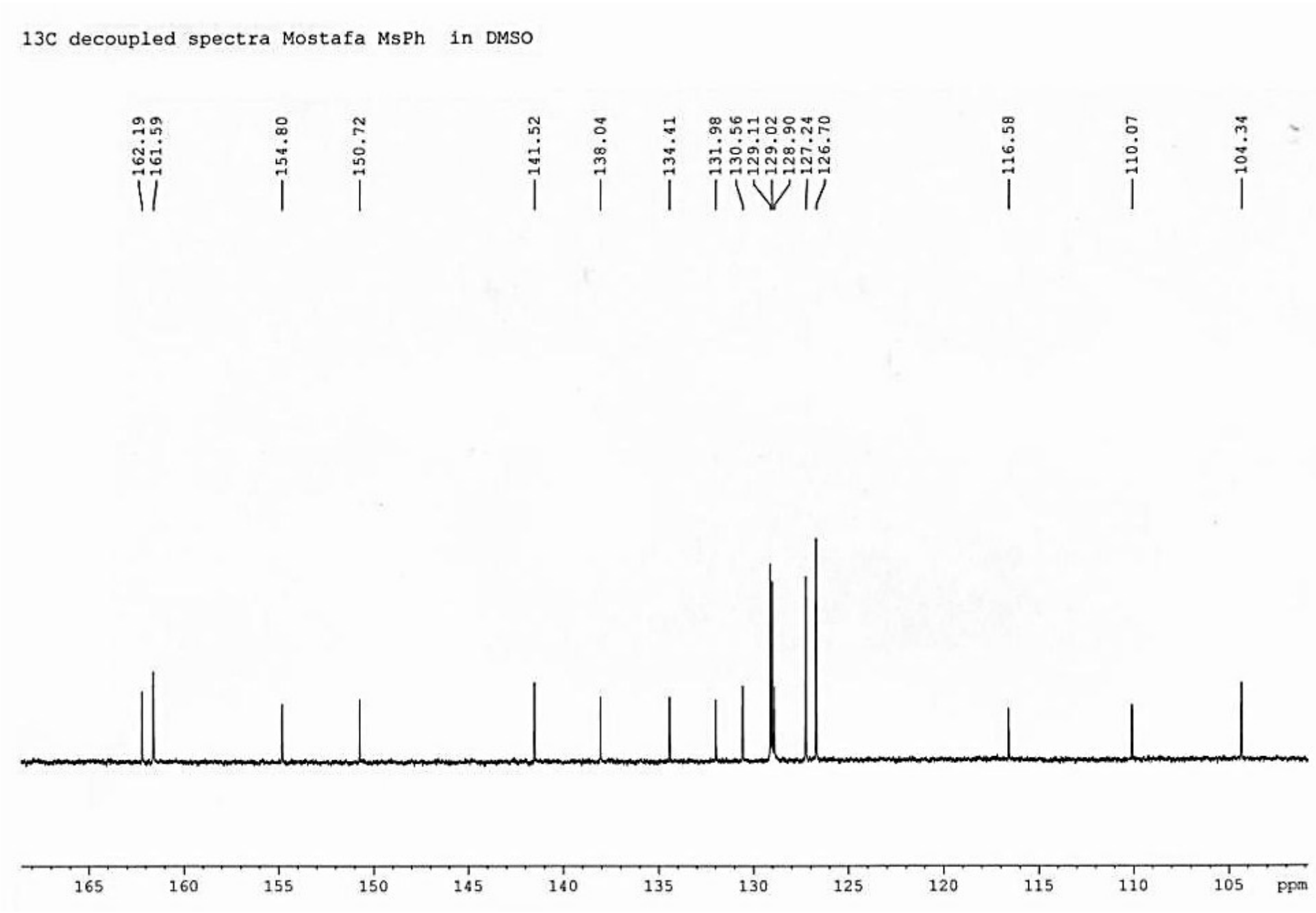
^{1}H NMR for the compound **9a**



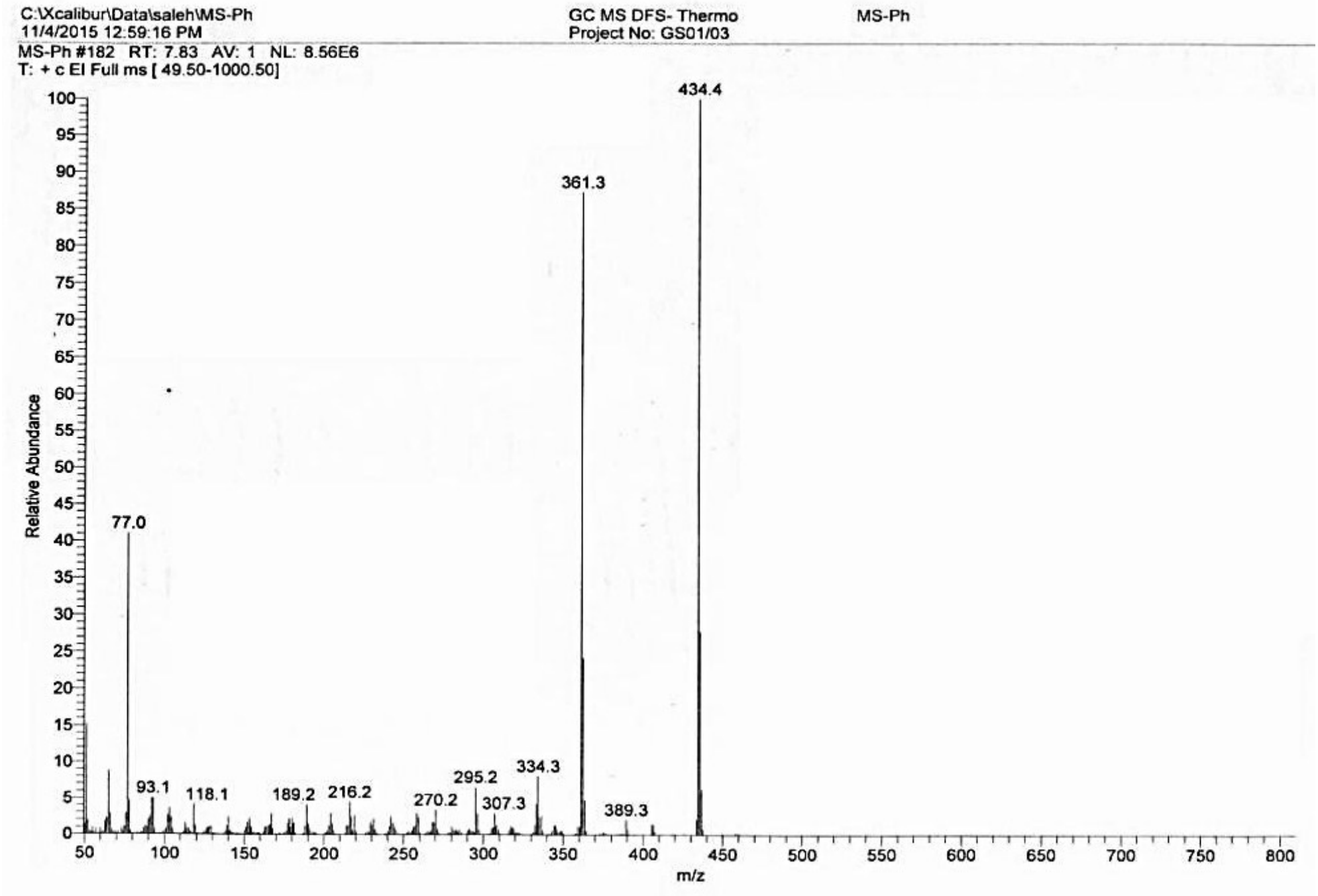
^{1}H NMR for the compound **9a**



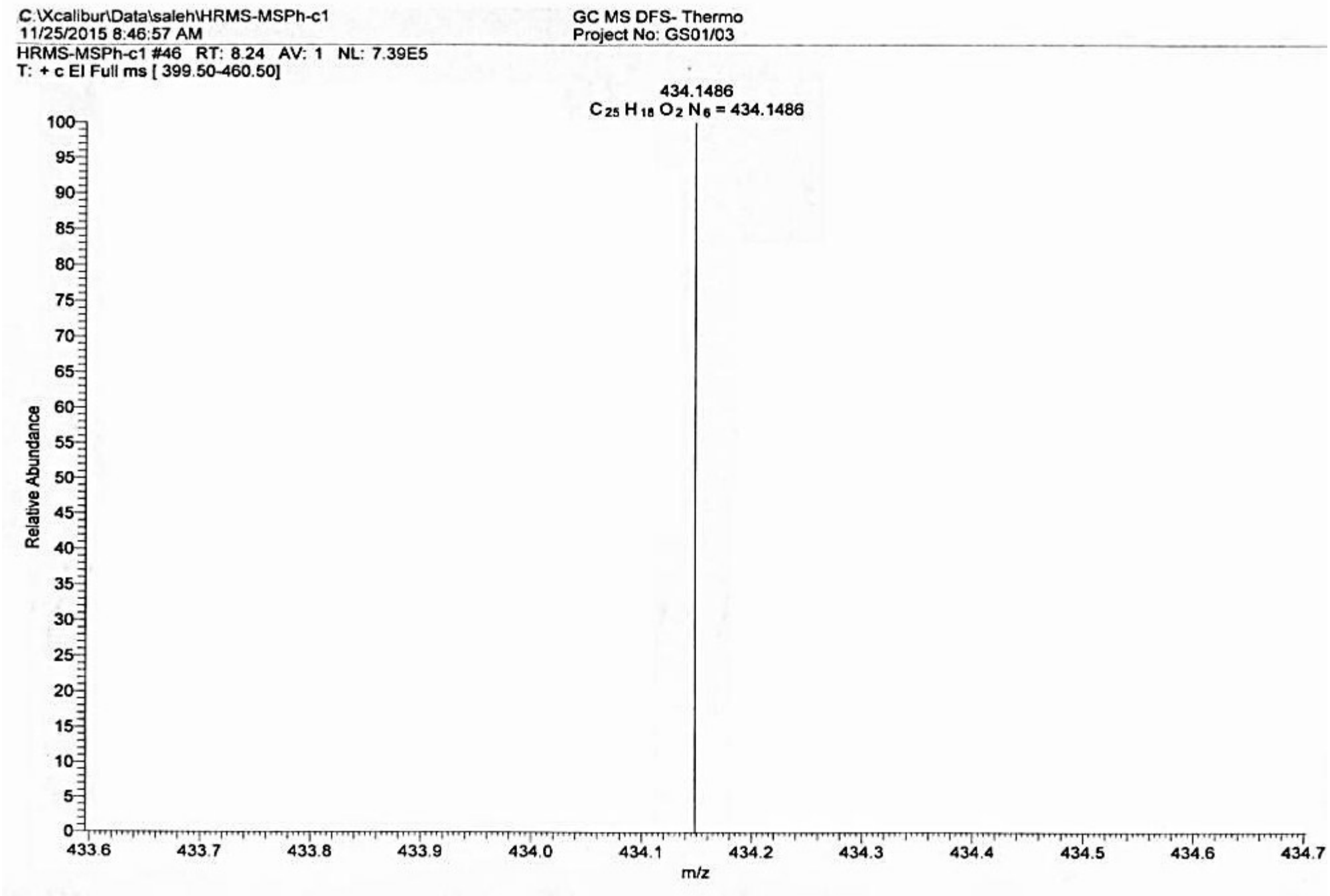
^{13}C NMR for the compound **9a**



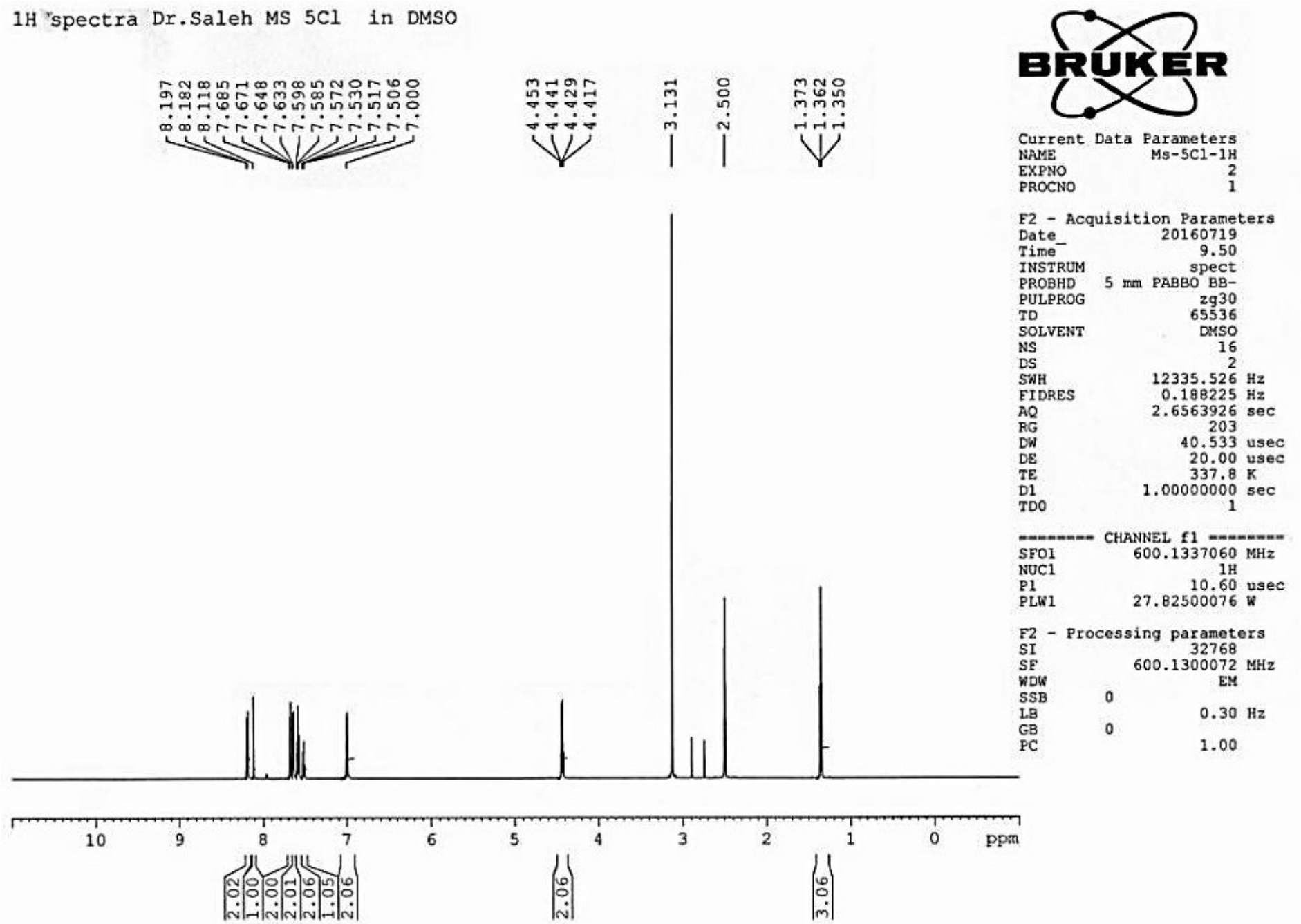
^{13}C NMR for the compound **9a**



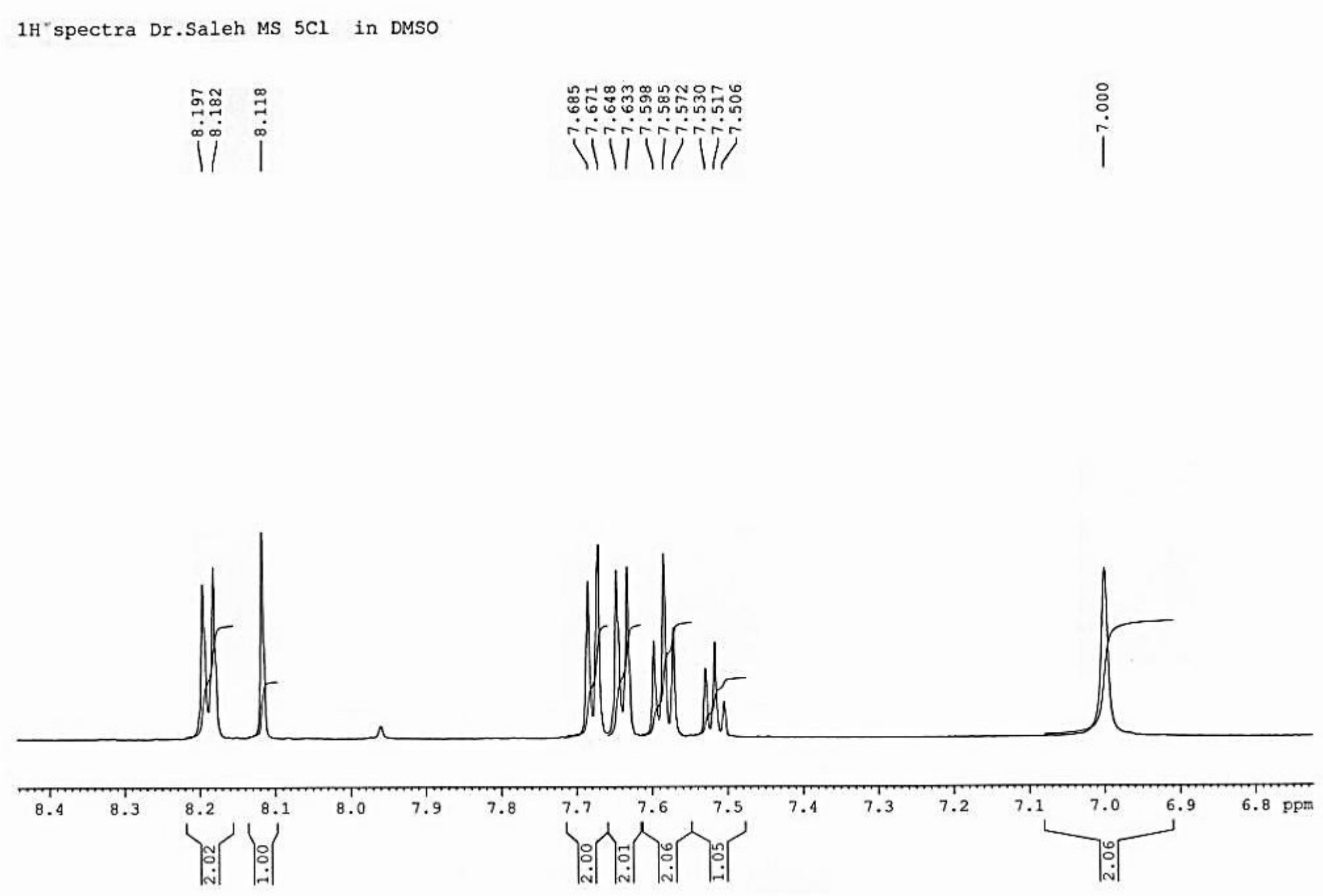
Mass spectra for the compound **9a**



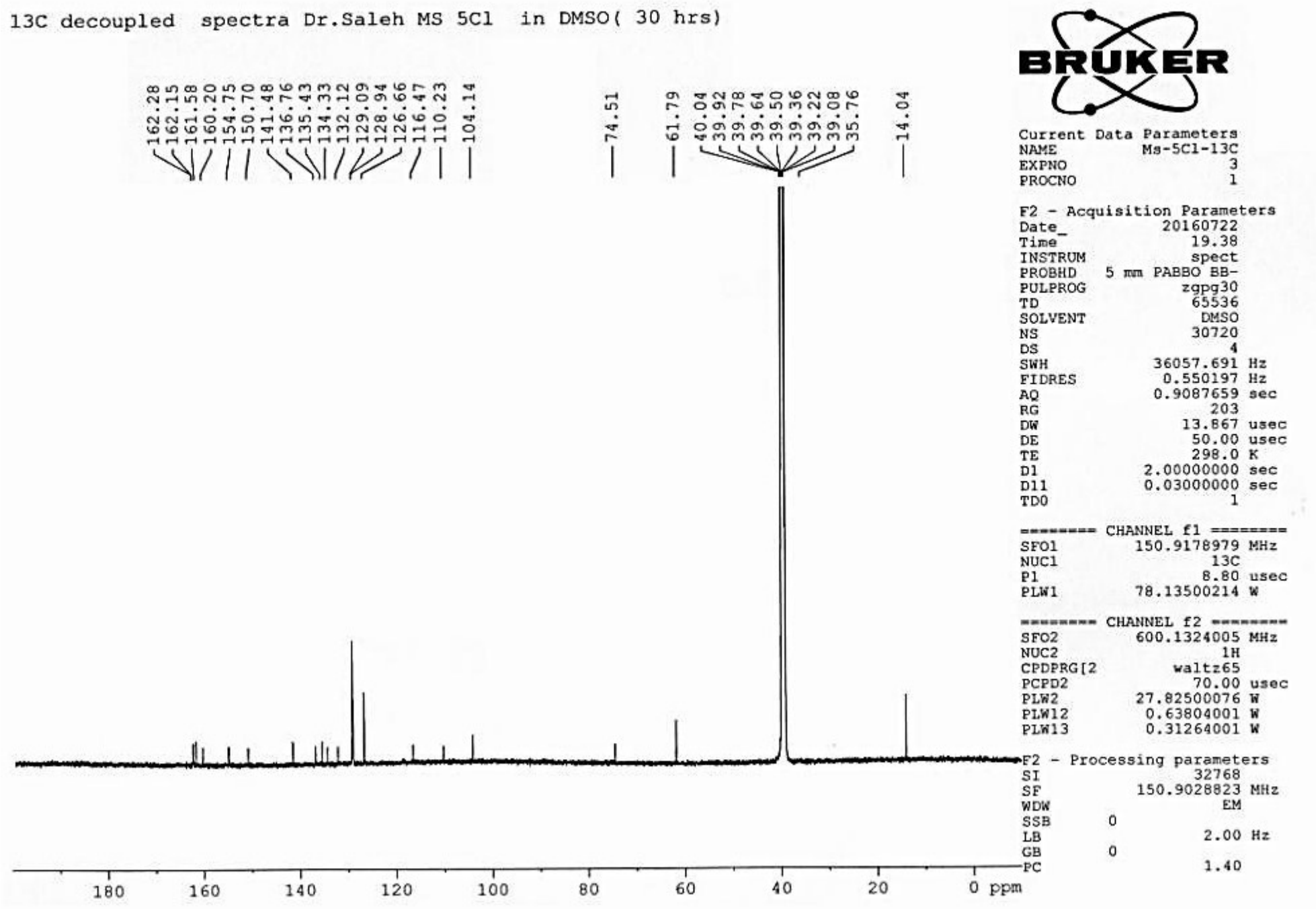
High resolution mass spectra for compound **9a**



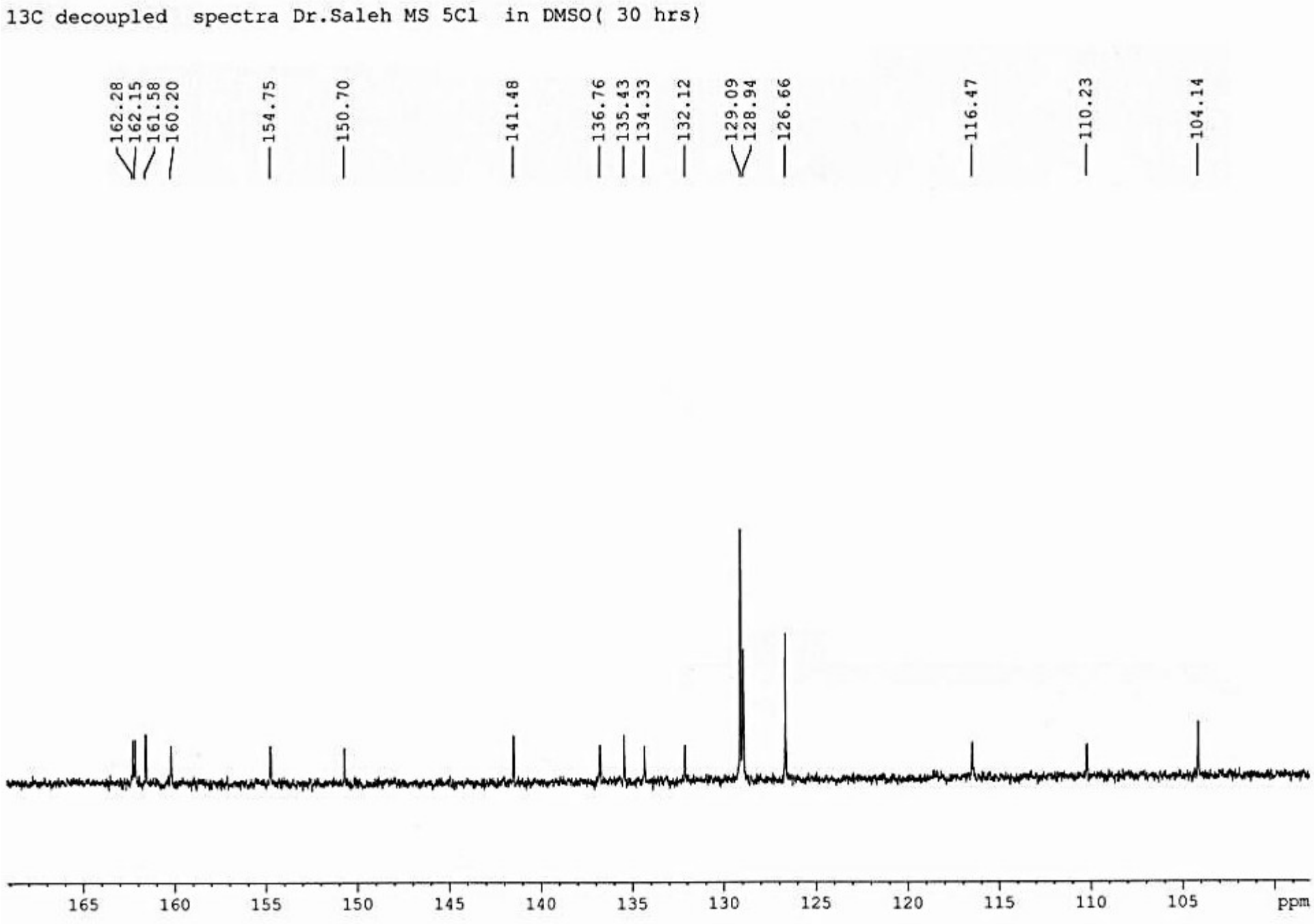
^{1}H NMR for the compound **9b**



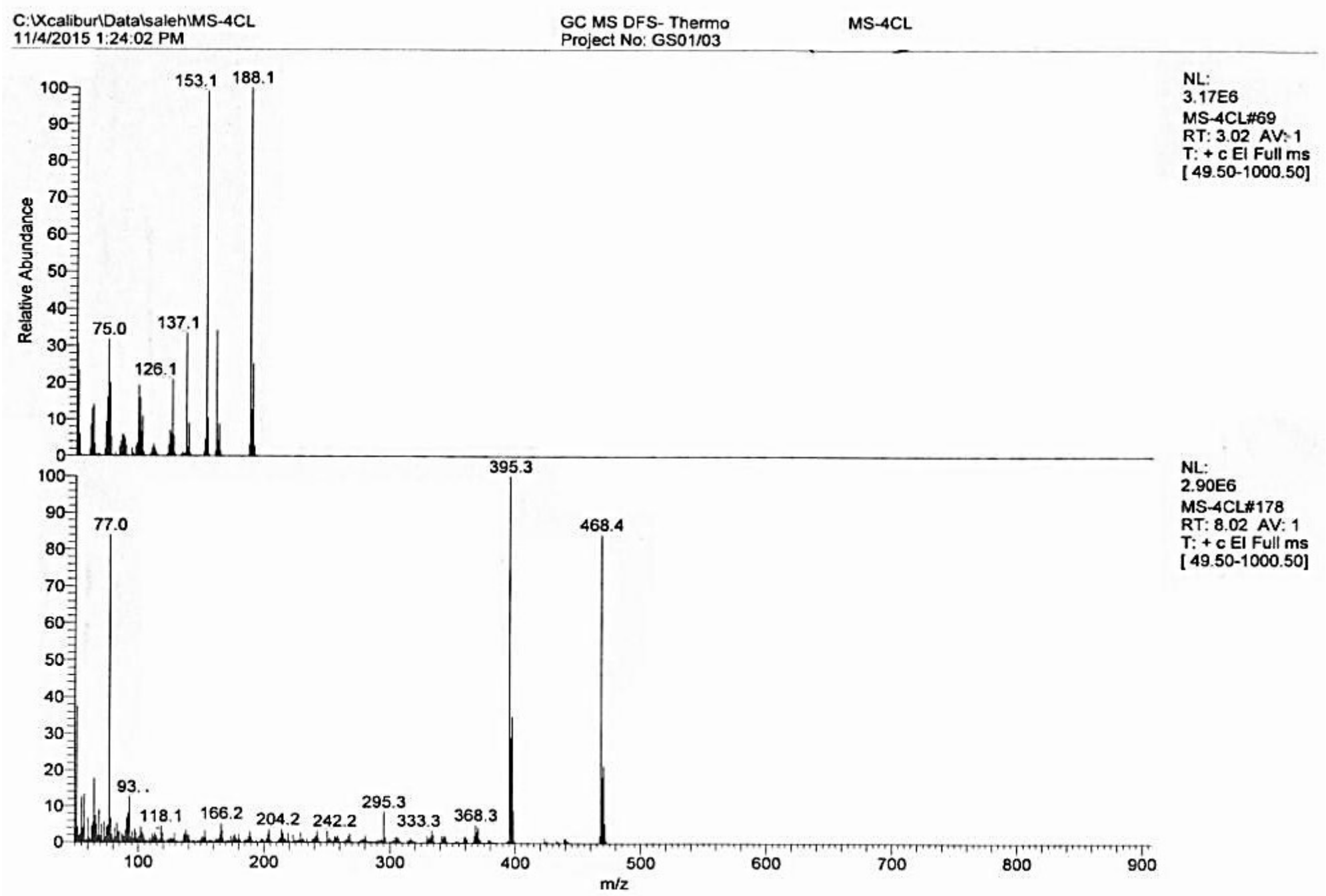
^{1}H NMR for the compound **9b**



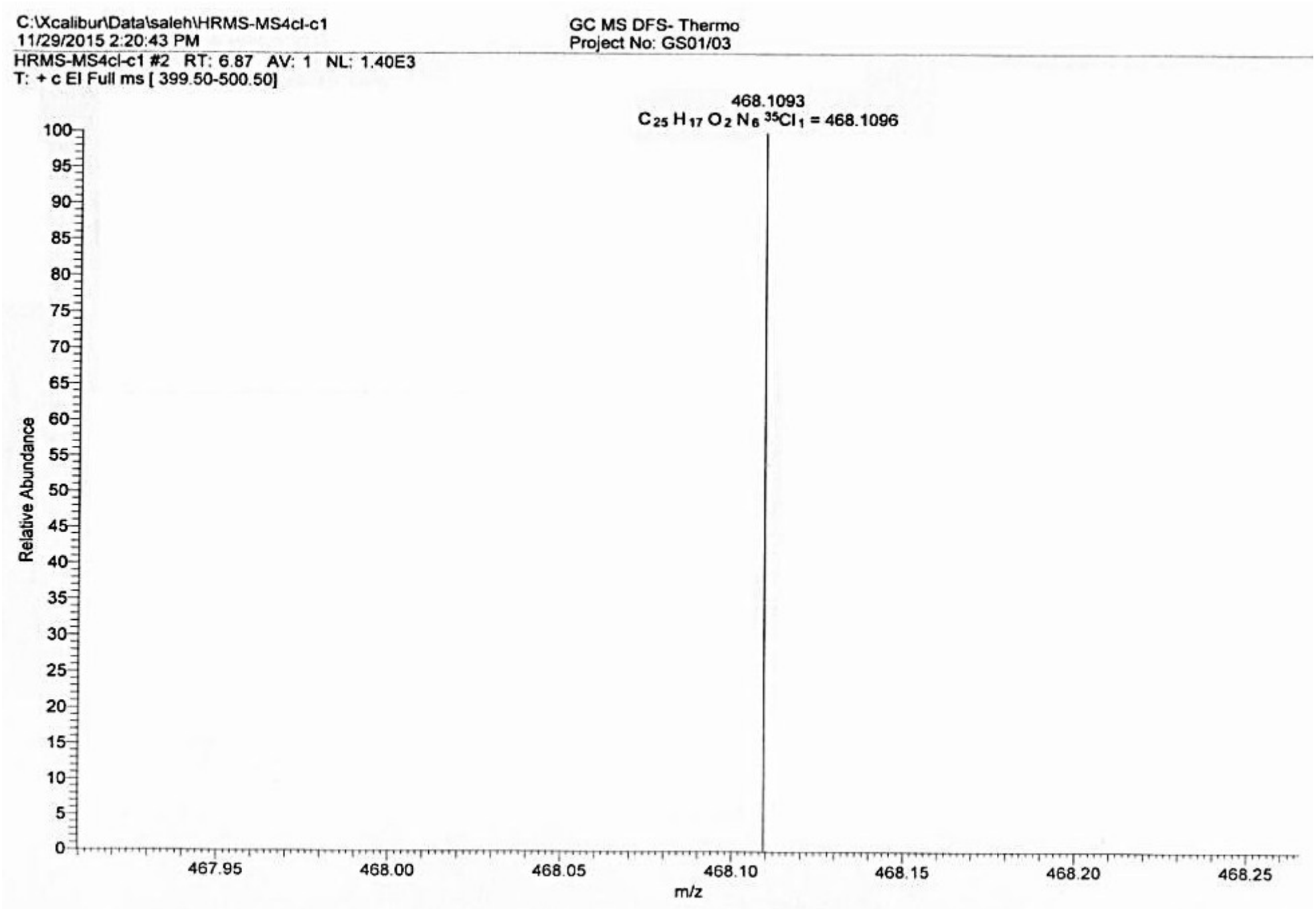
^{13}C NMR for the compound **9b**



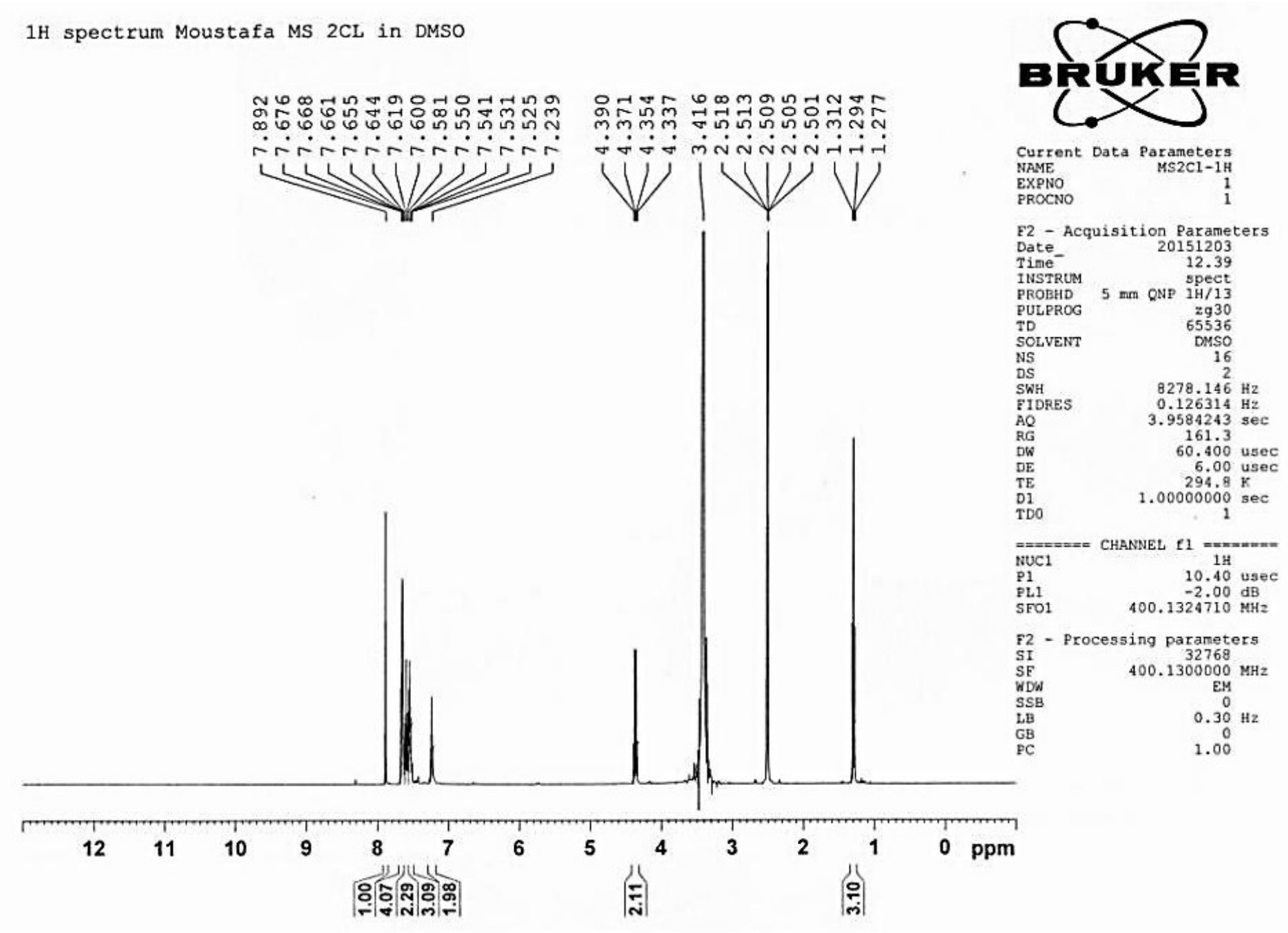
^{13}C NMR for the compound **9b**



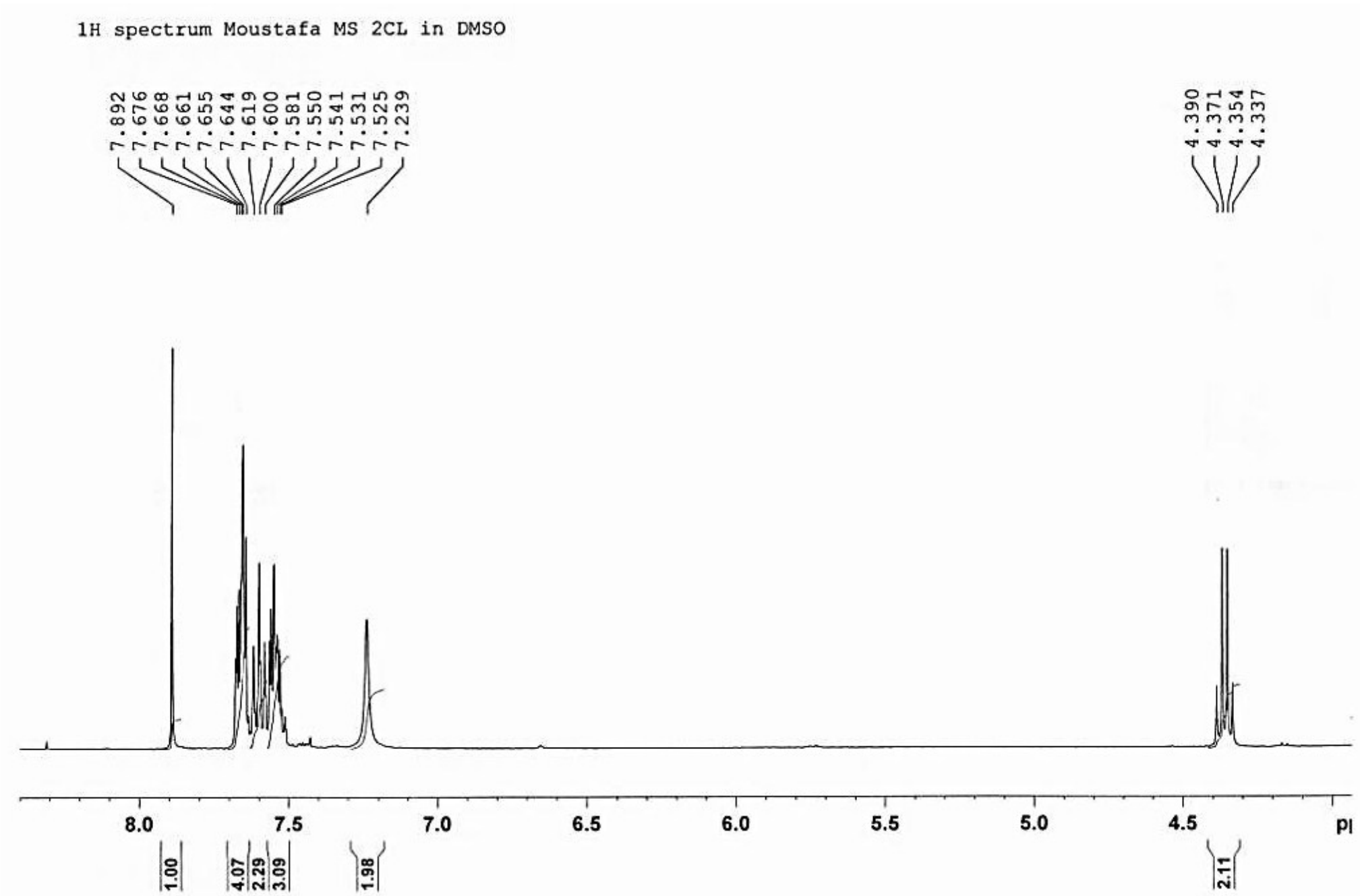
Mass spectra for the compound **9b**



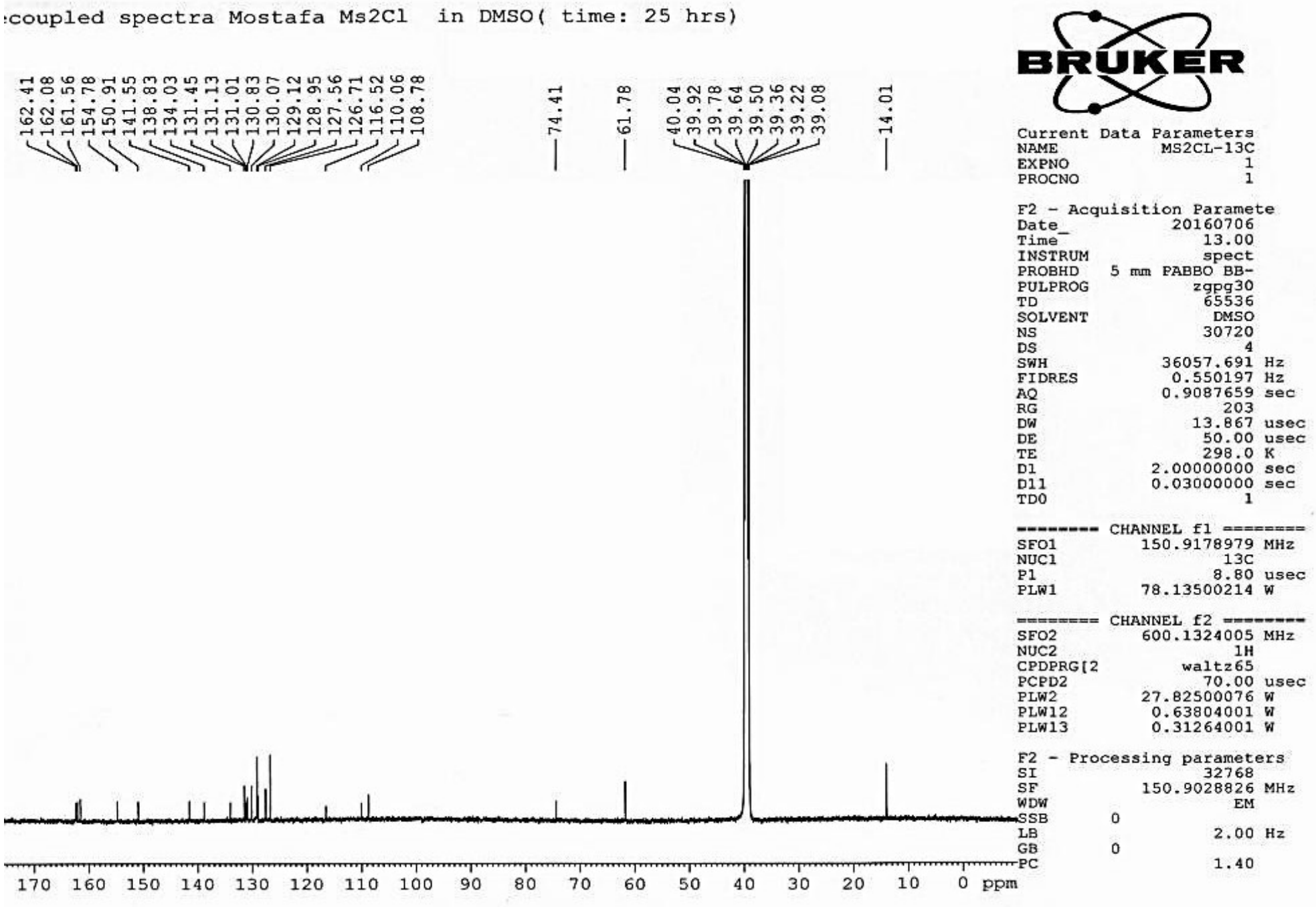
High resolution mass spectra for compound **9b**



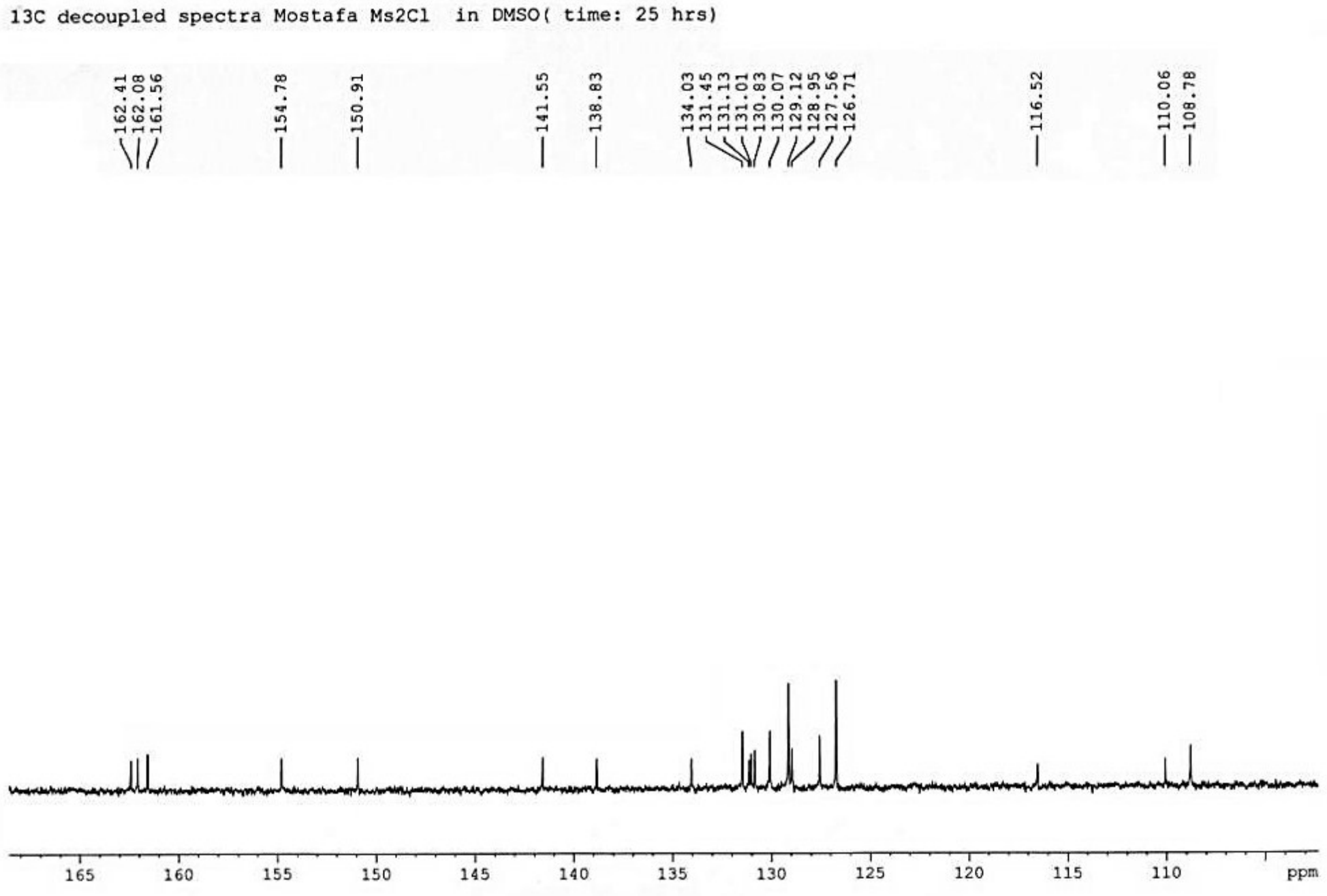
^{1}H NMR for the compound **9c**



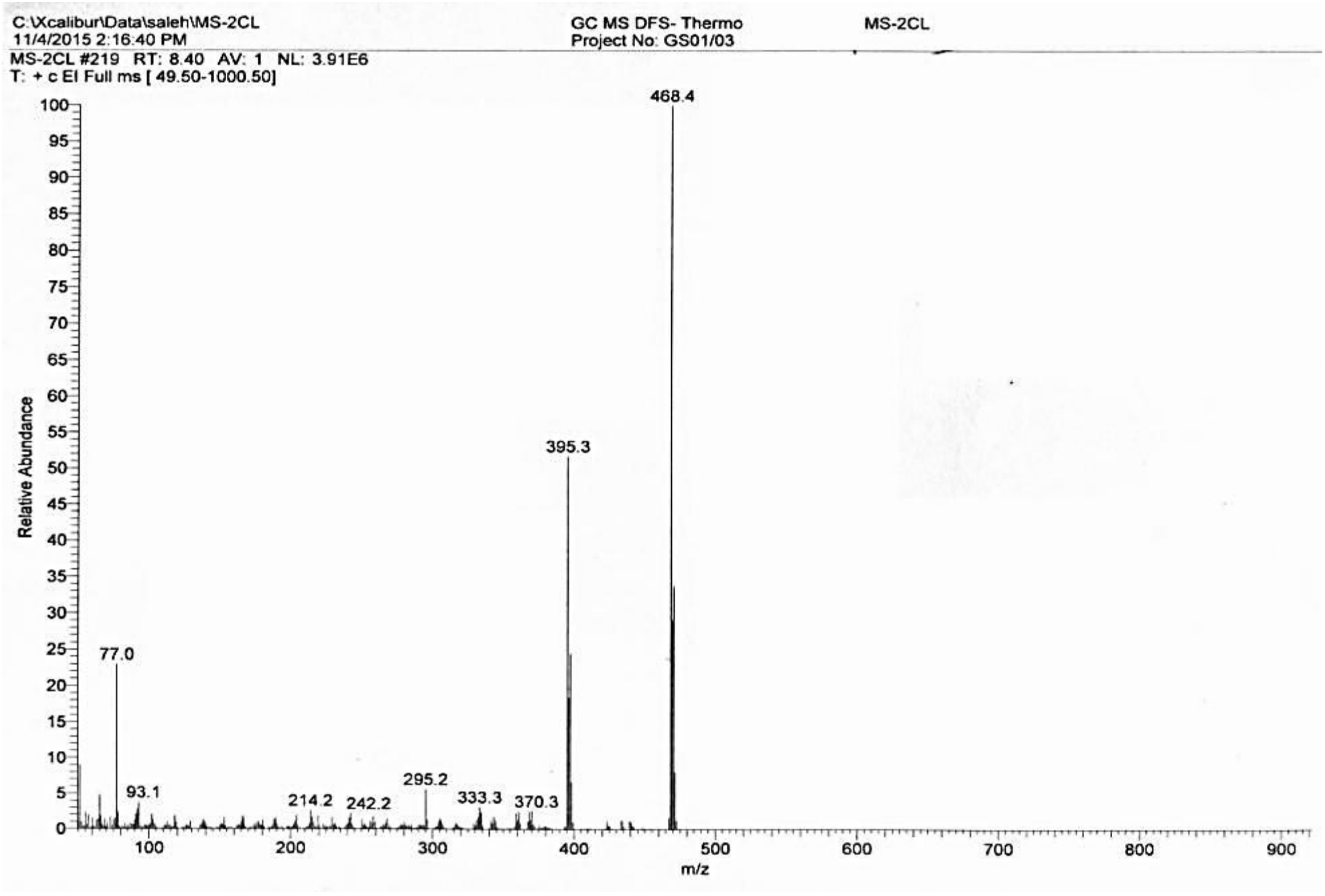
^{1}H NMR for the compound **9c**



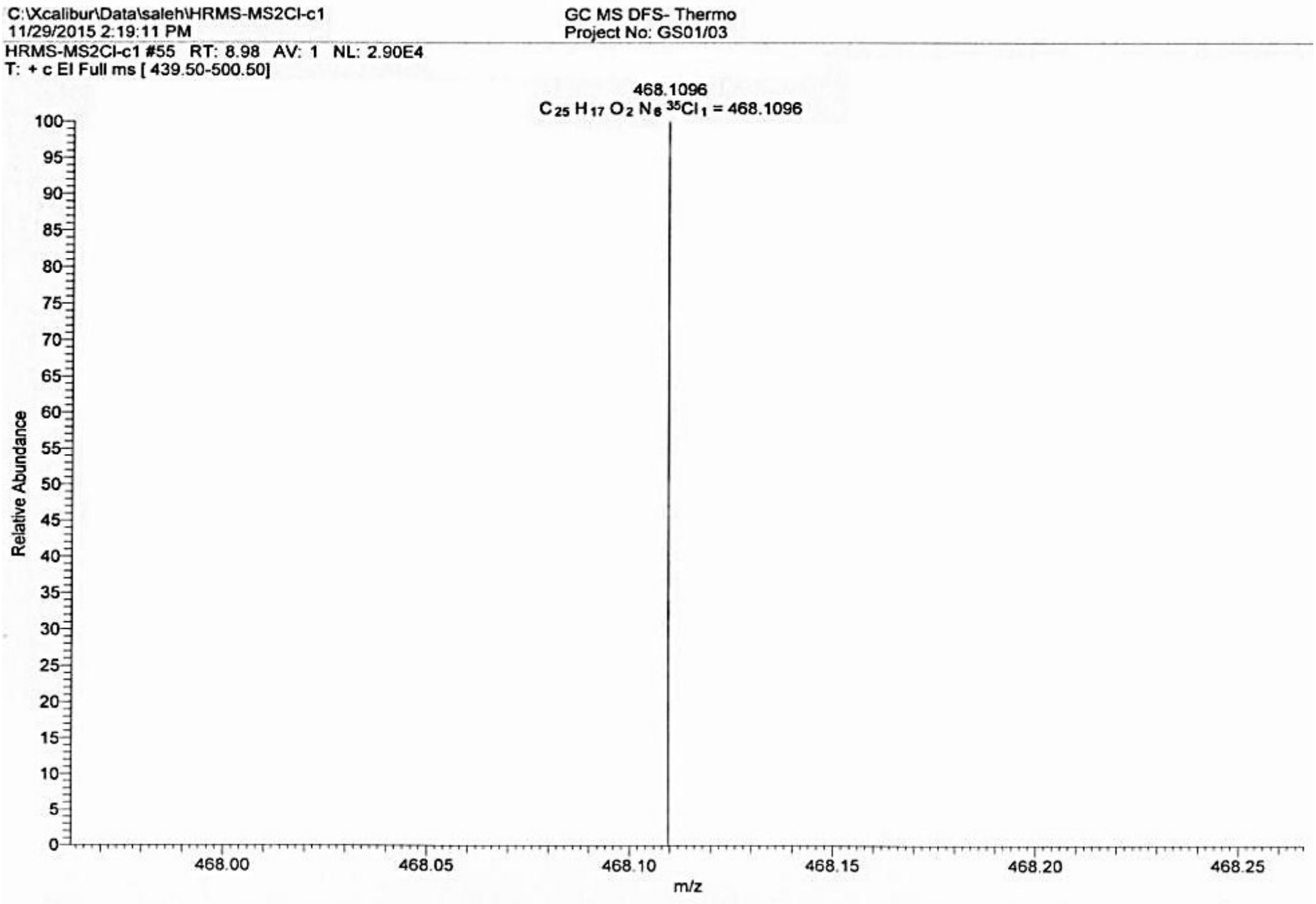
^{13}C NMR for the compound **9c**



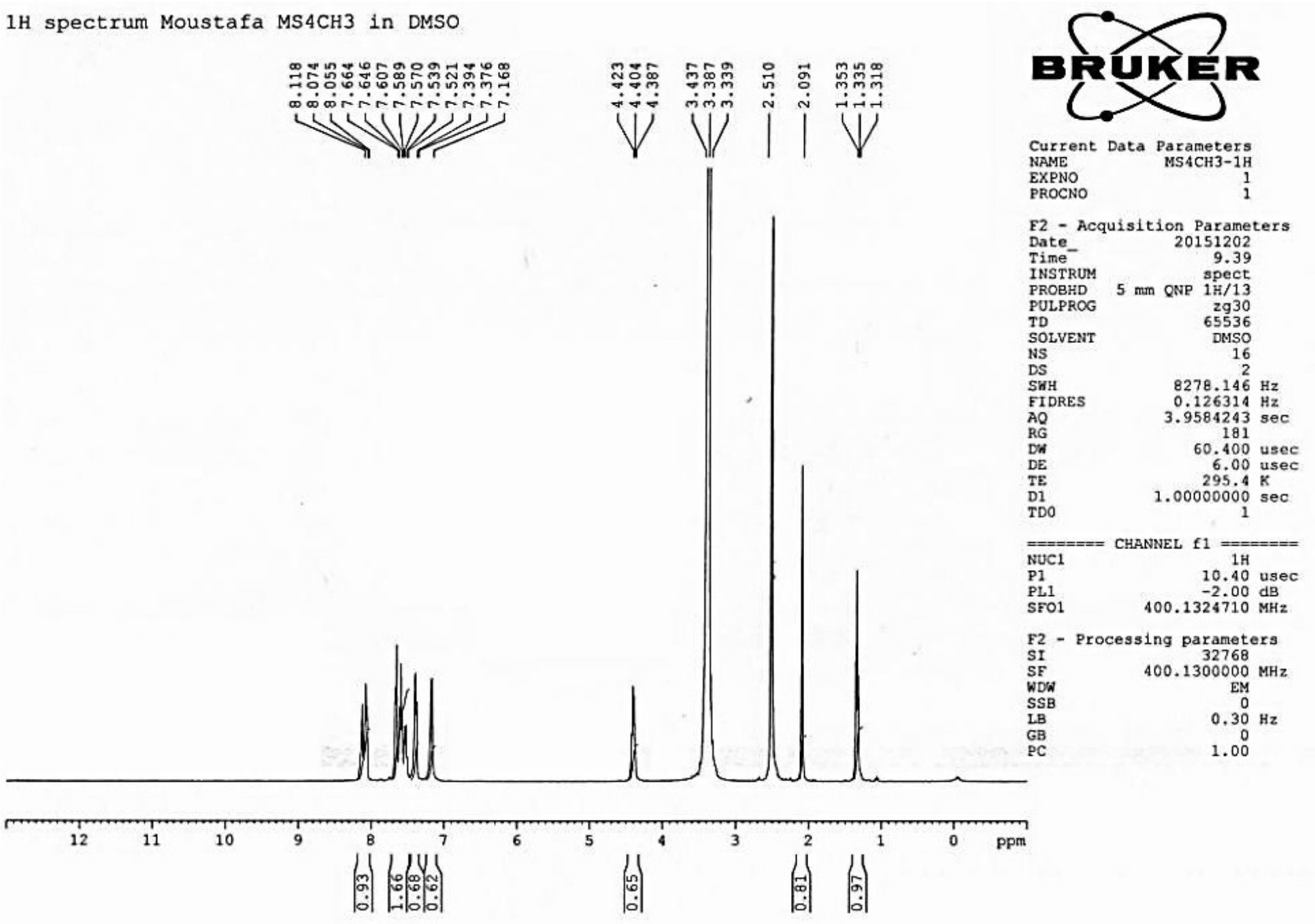
^{13}C NMR for the compound **9c**



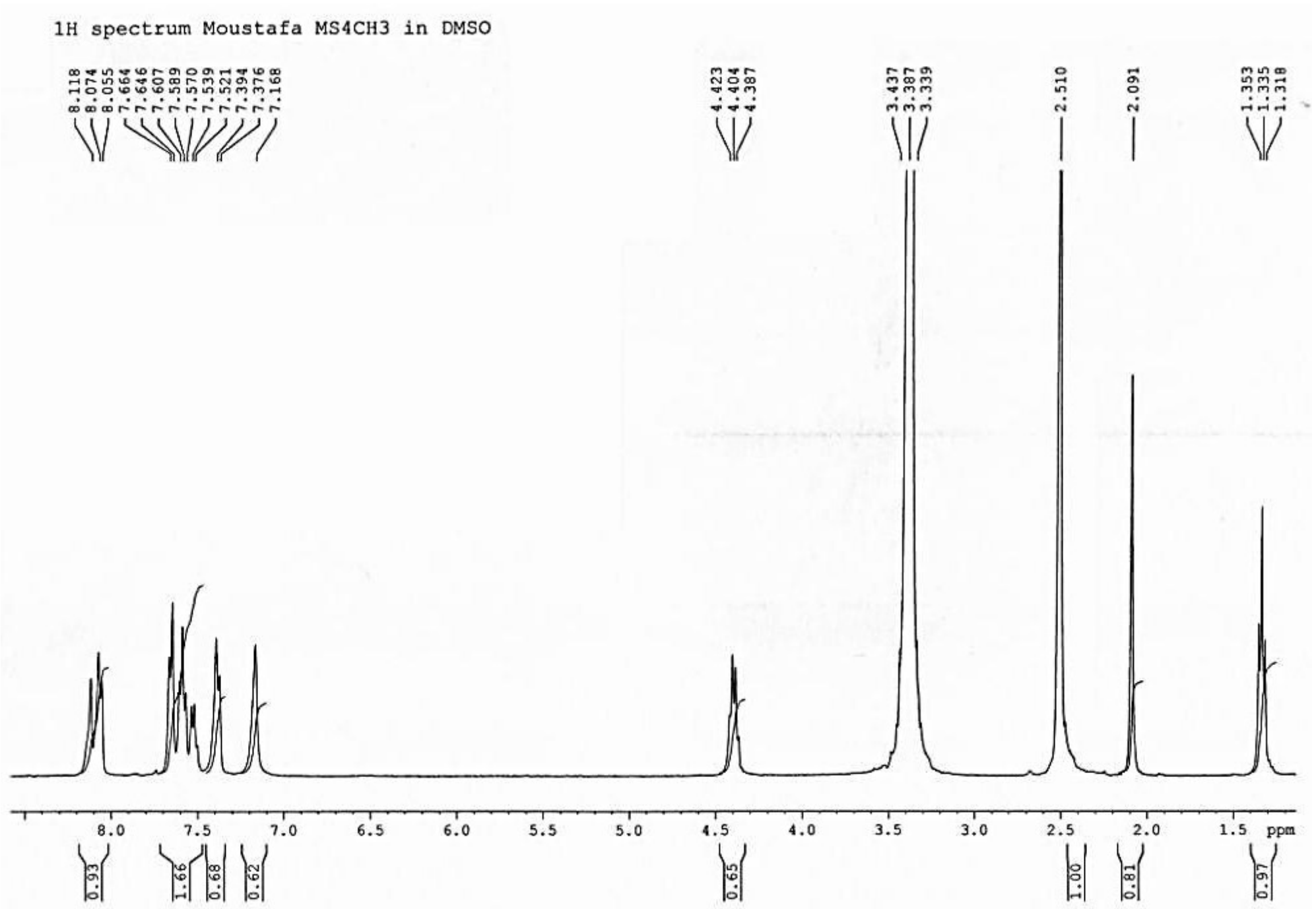
Mass spectra for the compound **9c**



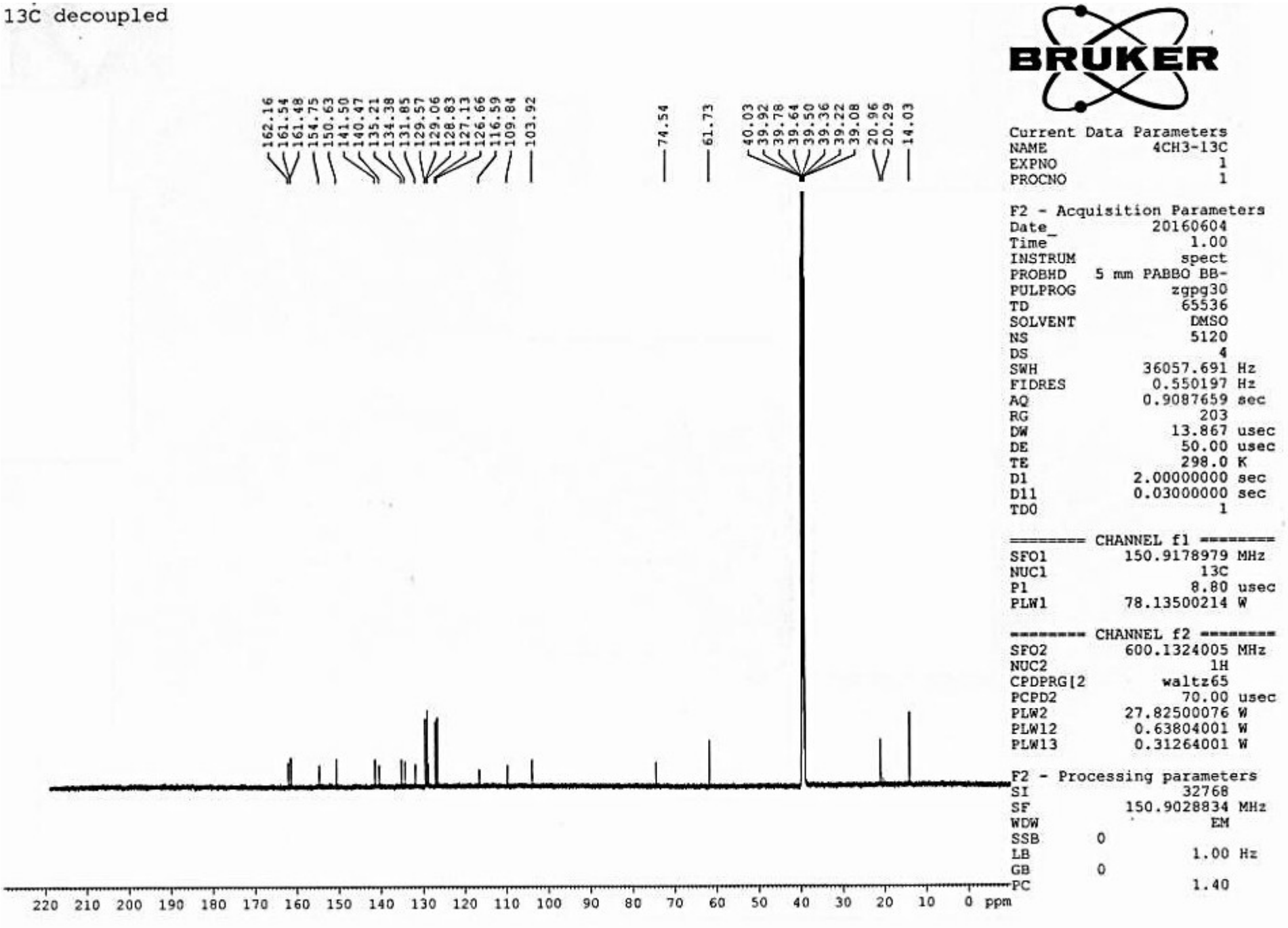
High resolution mass spectra for compound **9c**



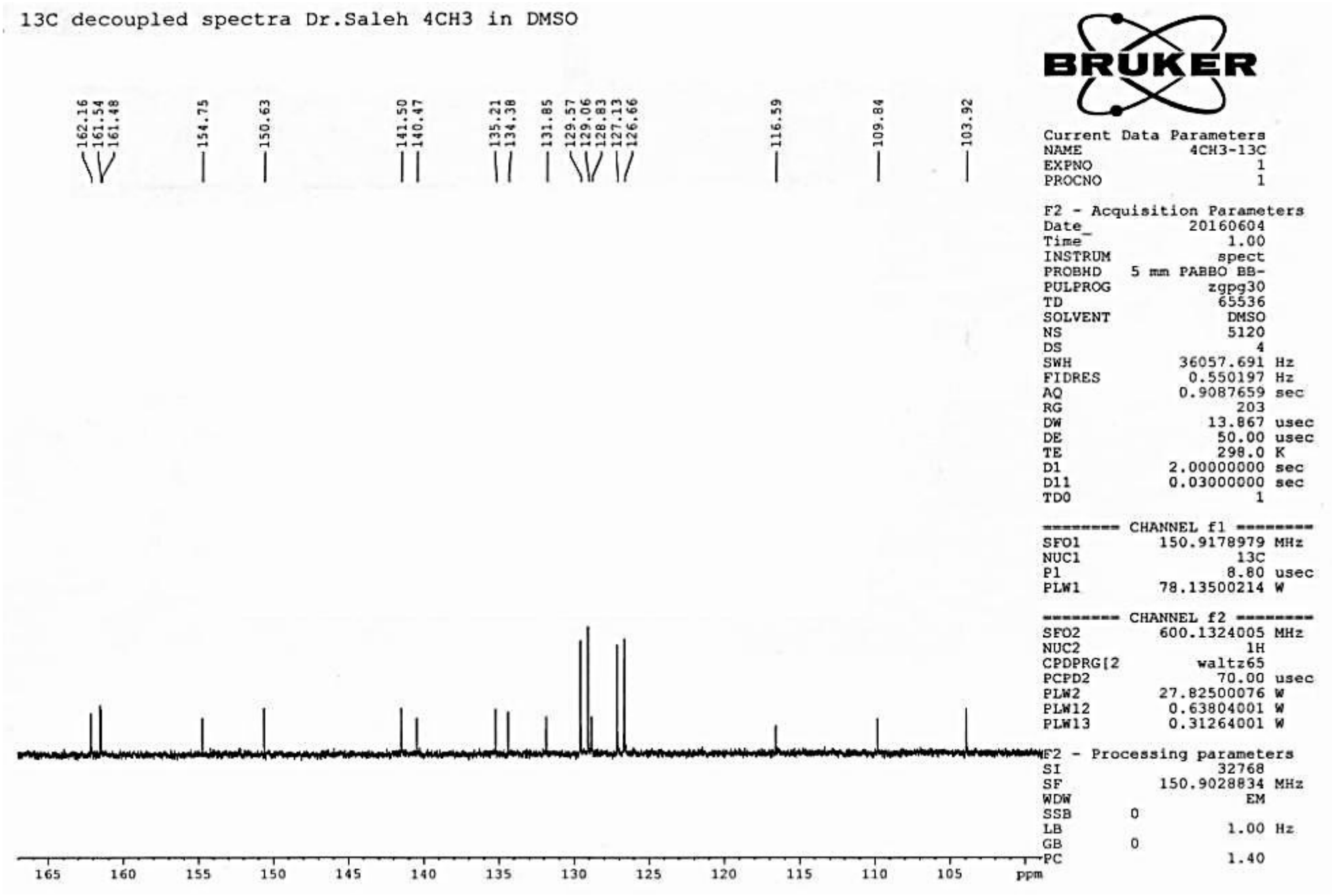
^{1}H NMR for the compound **9d**



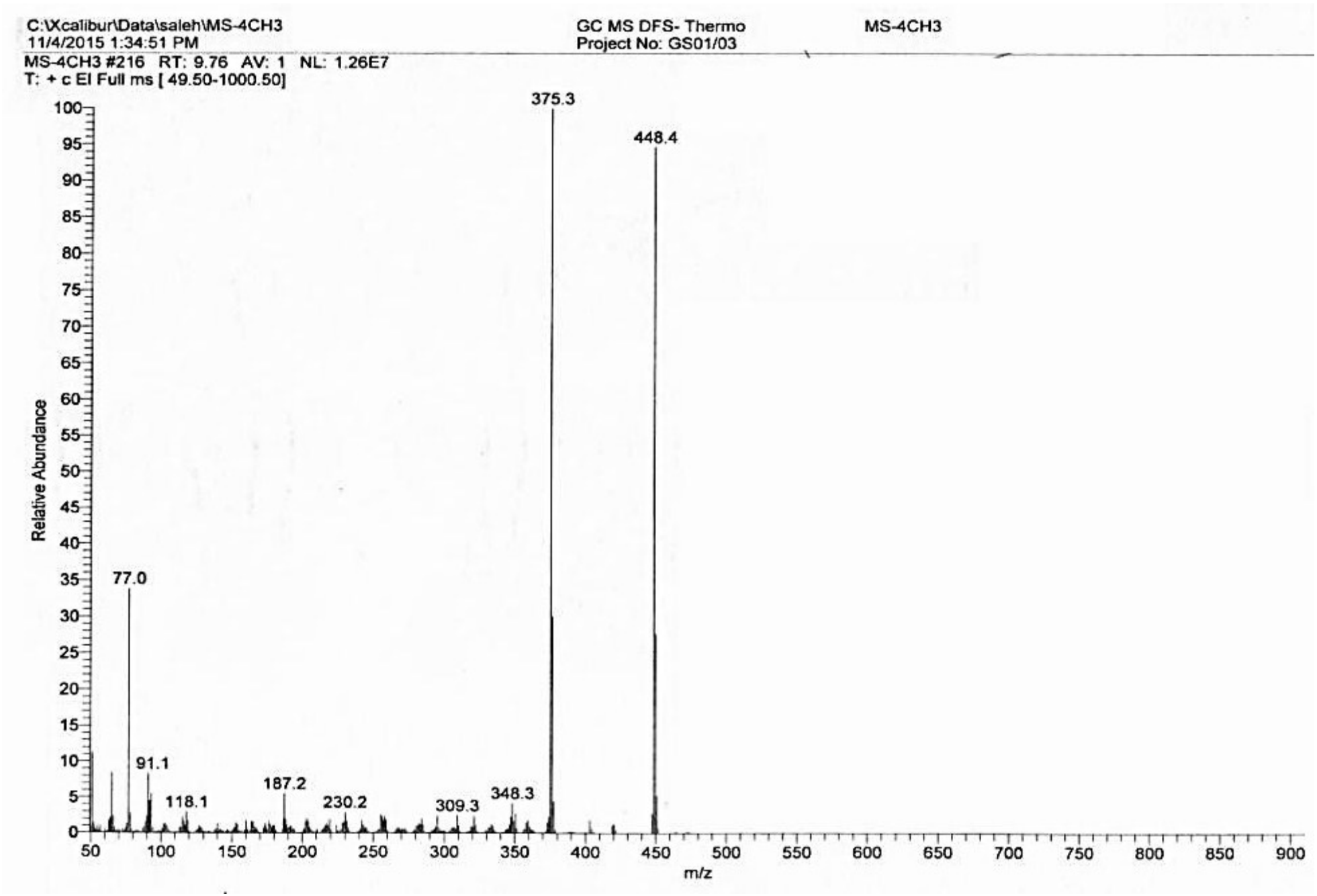
^{1}H NMR for the compound **9d**



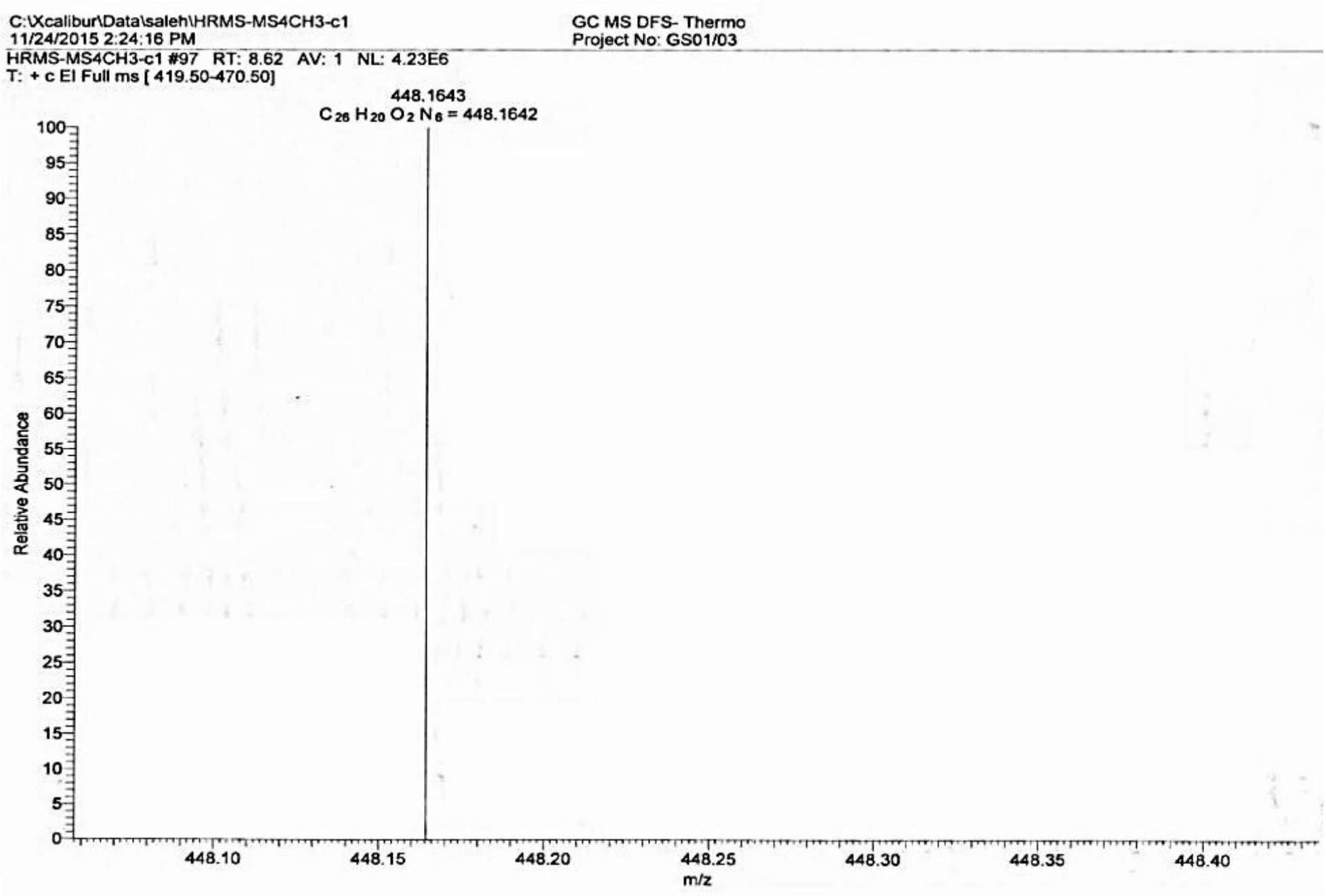
^{13}C NMR for the compound **9d**



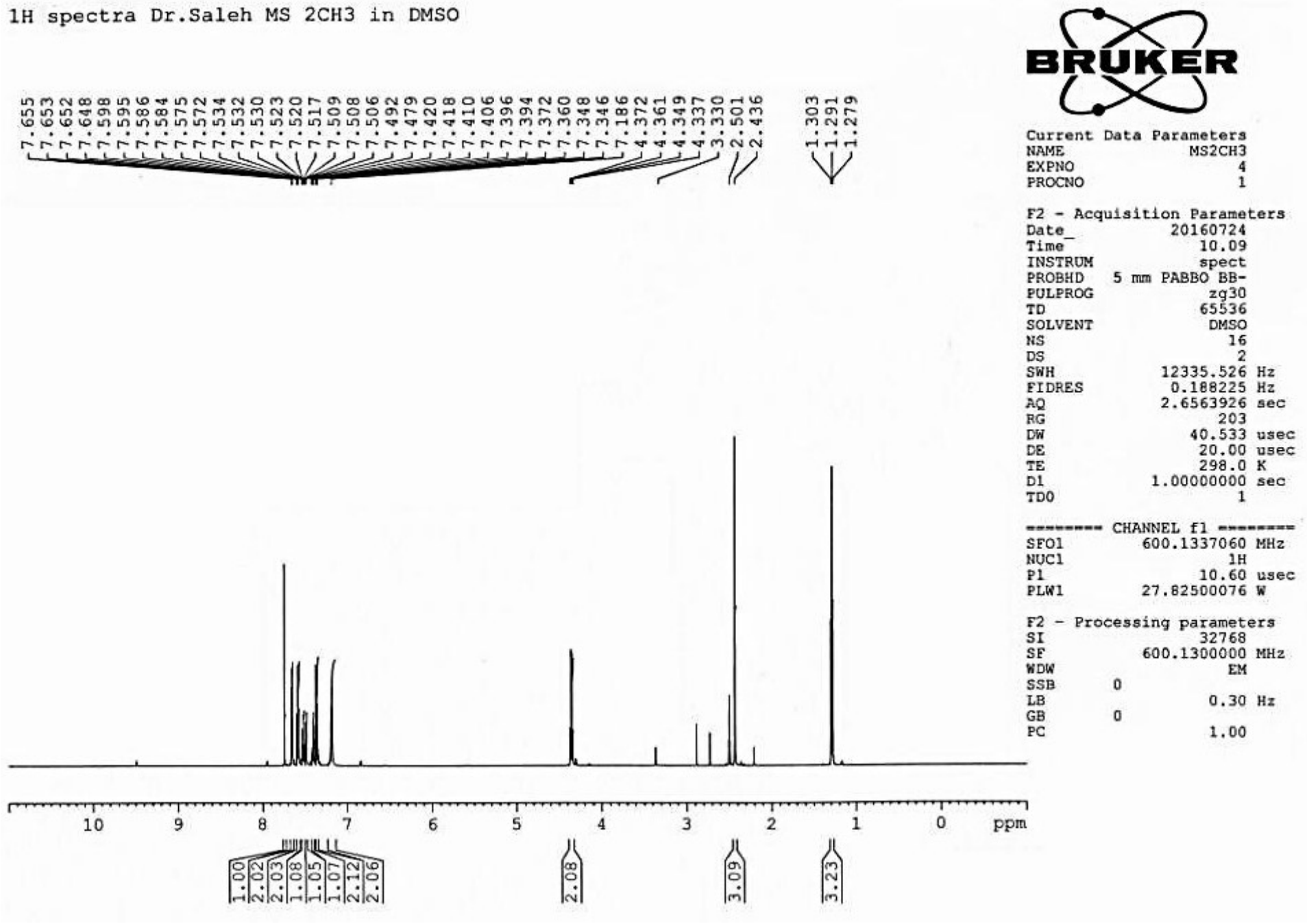
^{13}C NMR for the compound **9d**



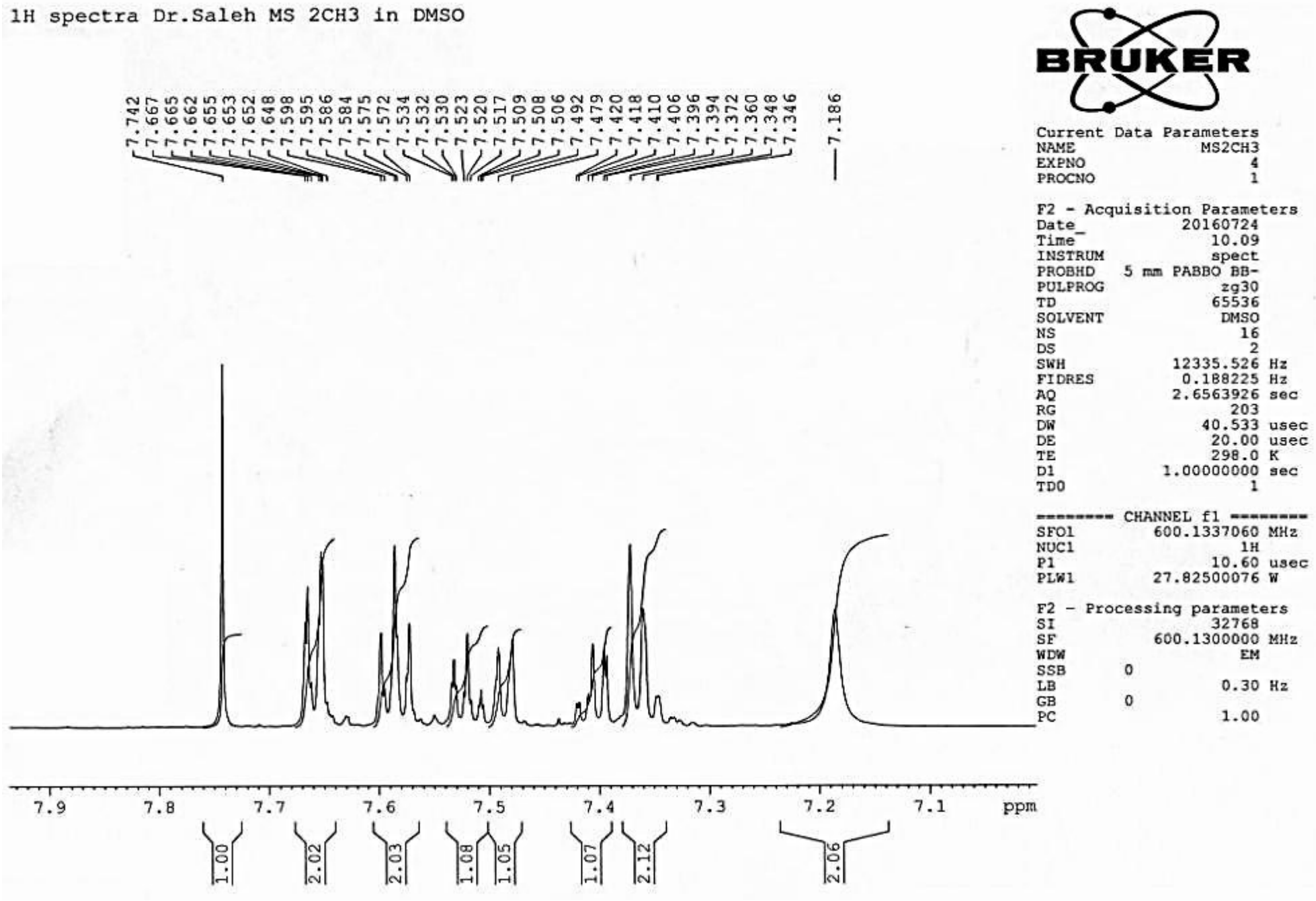
Mass spectra for the compound **9d**



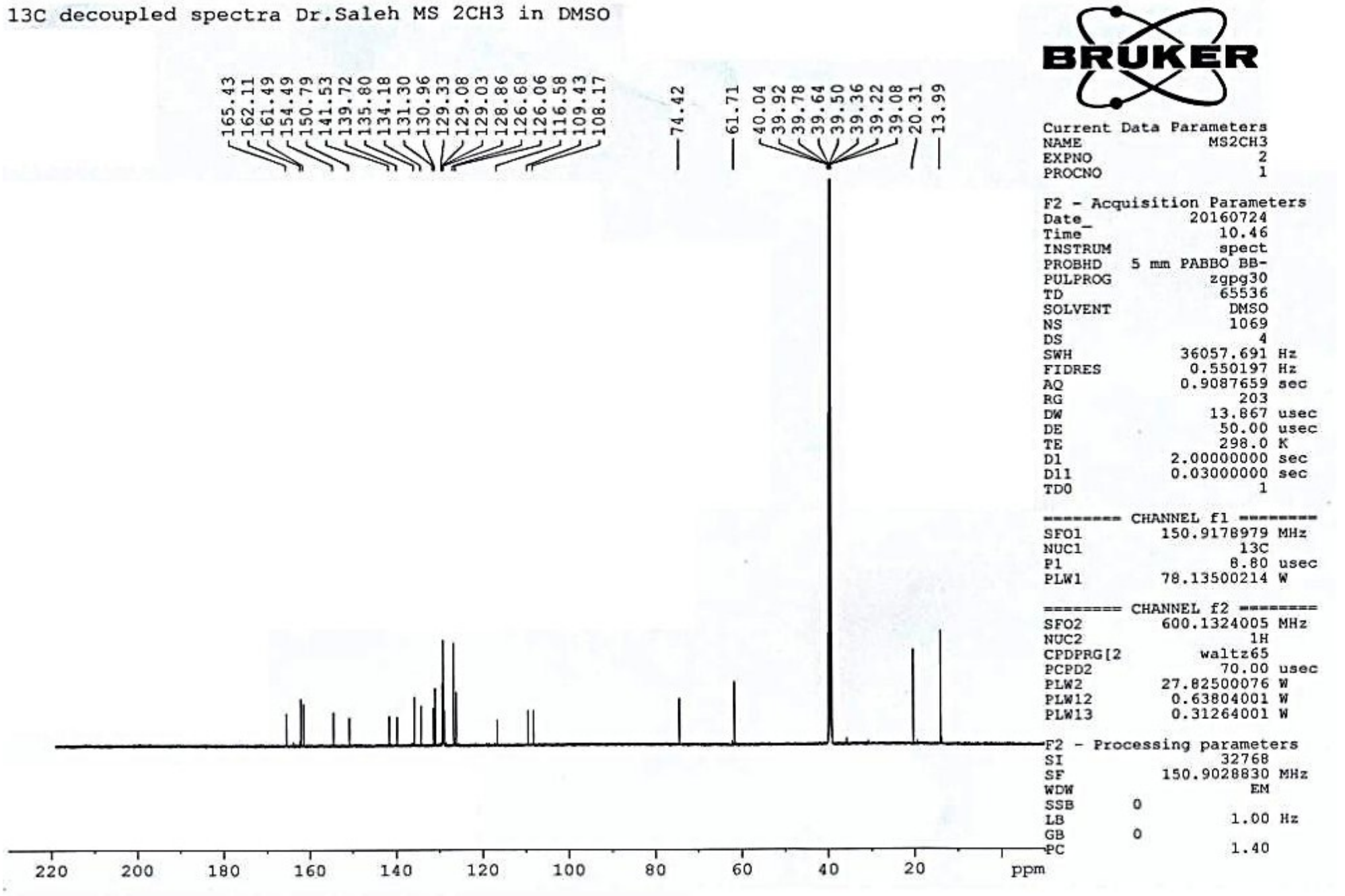
High resolution mass spectra for compound **9d**



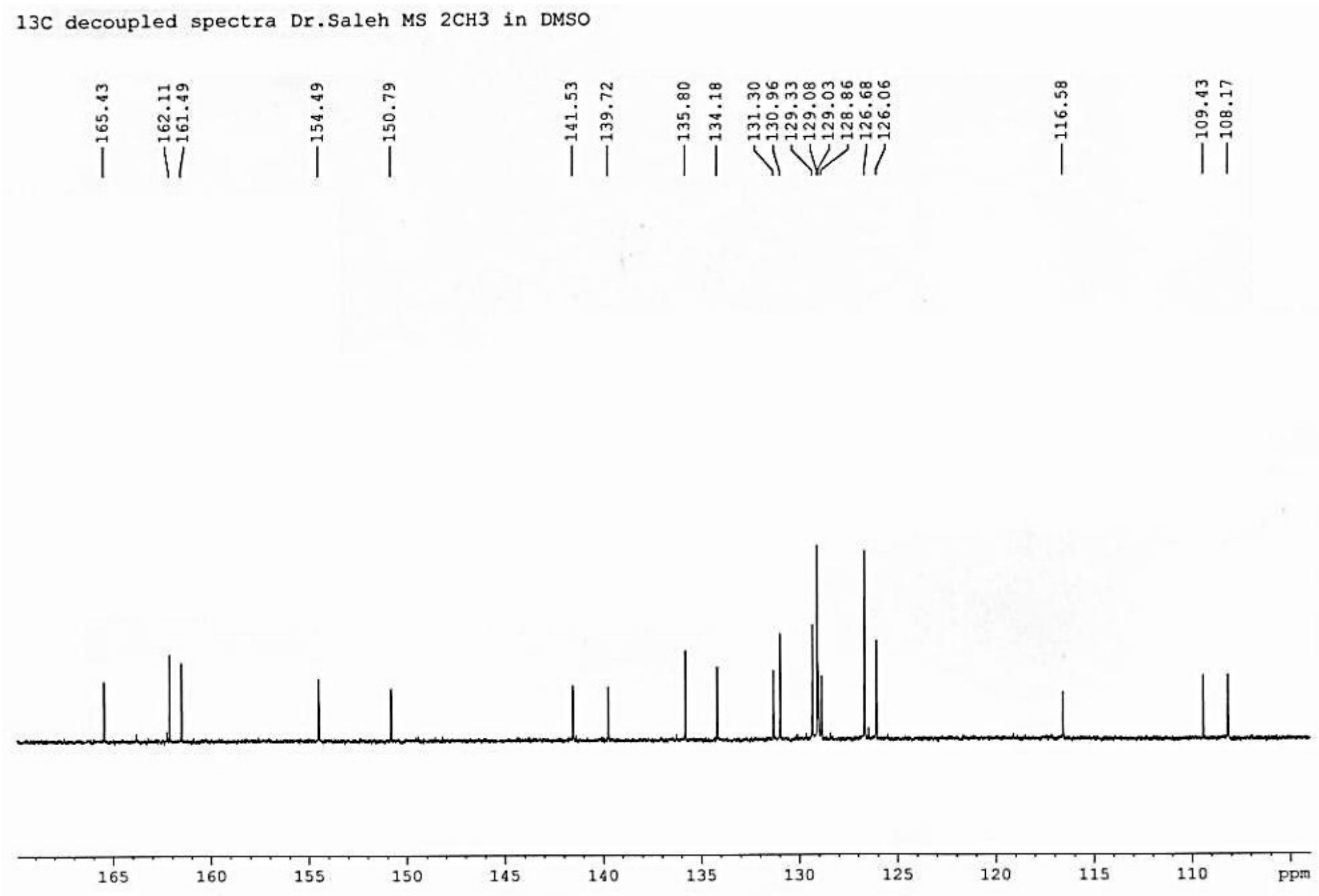
^{1}H NMR for the compound **9e**



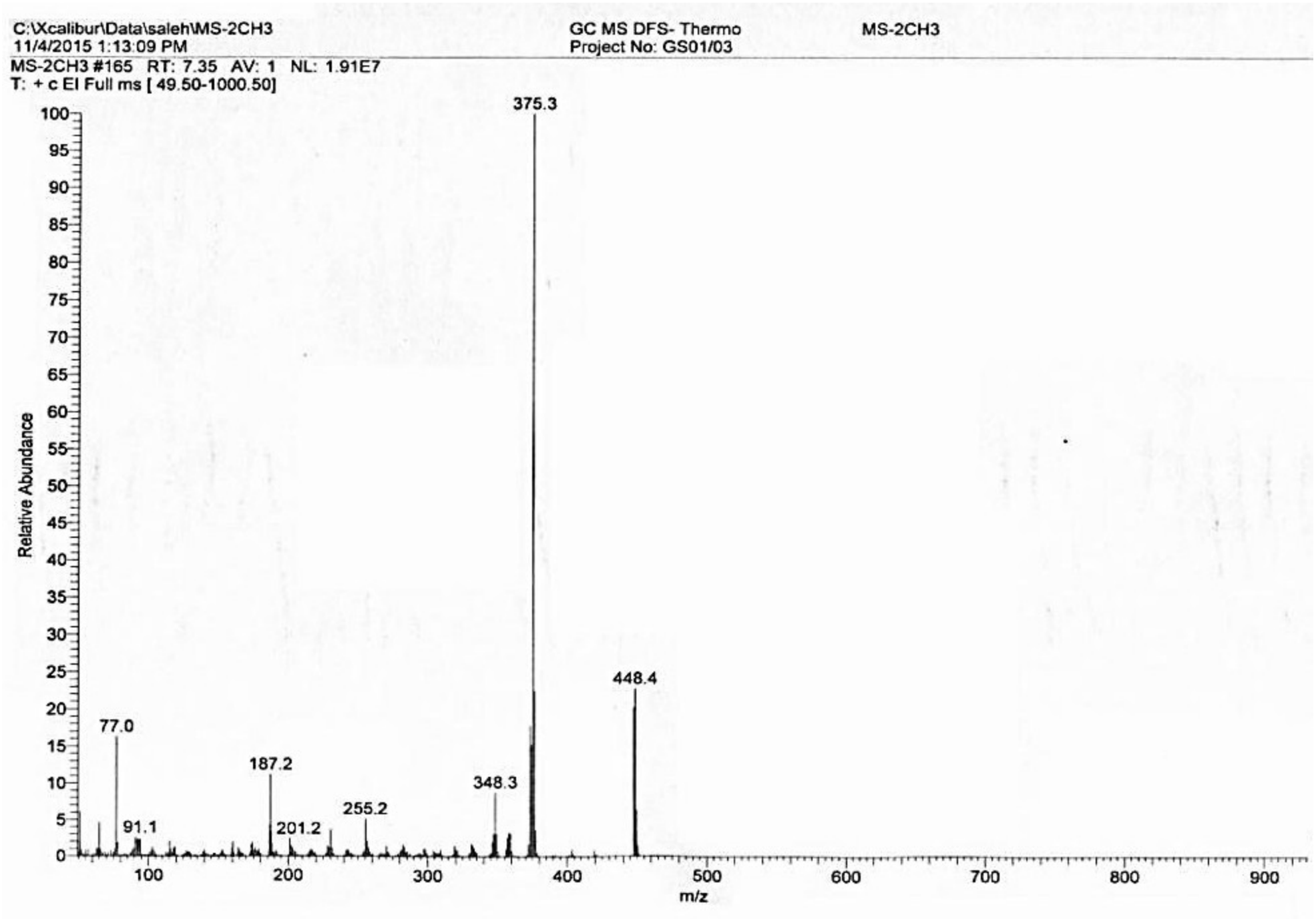
^{1}H NMR for the compound **9e**



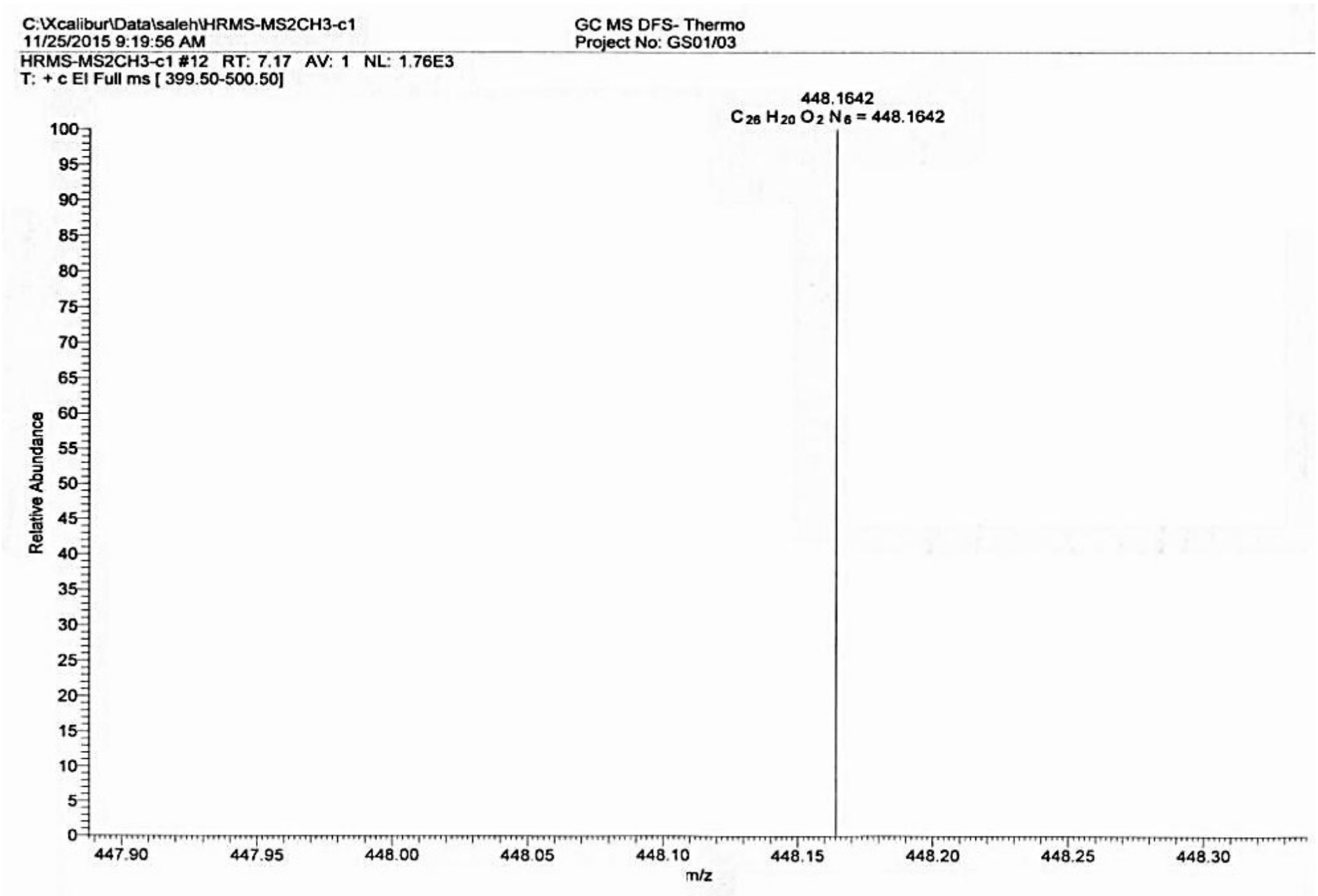
^{13}C NMR for the compound **9e**



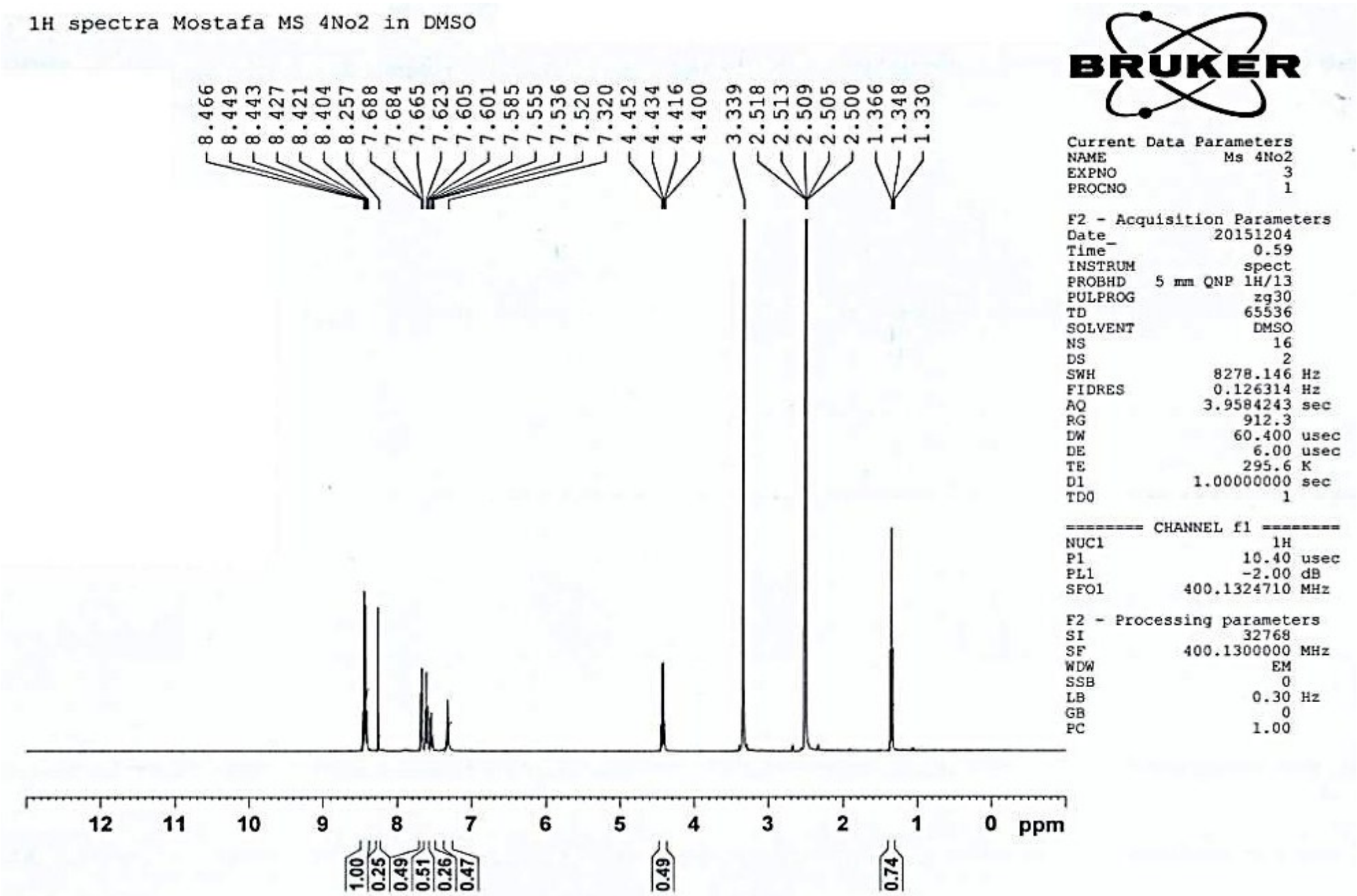
^{13}C NMR for the compound **9e**



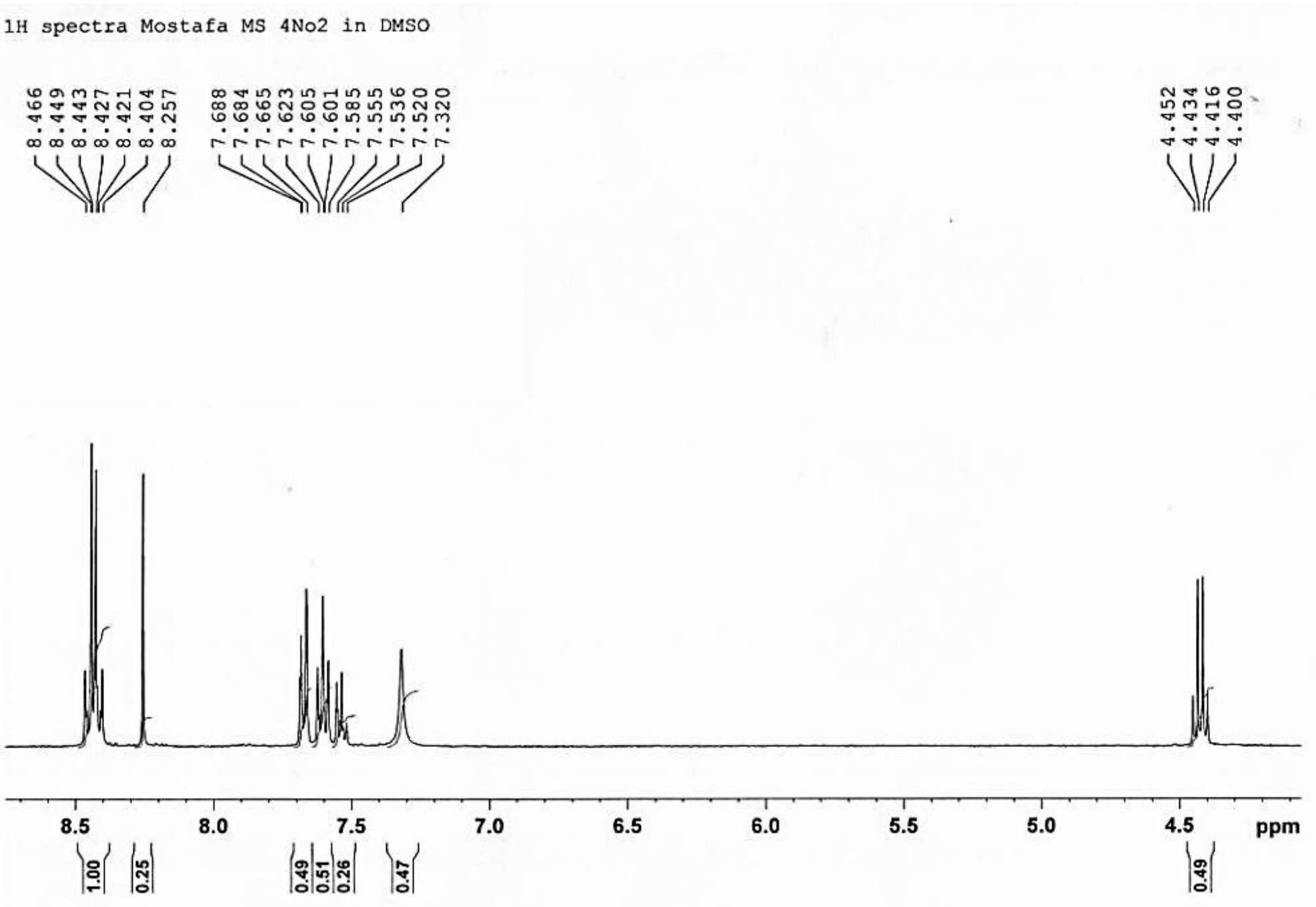
Mass spectra for the compound **9e**



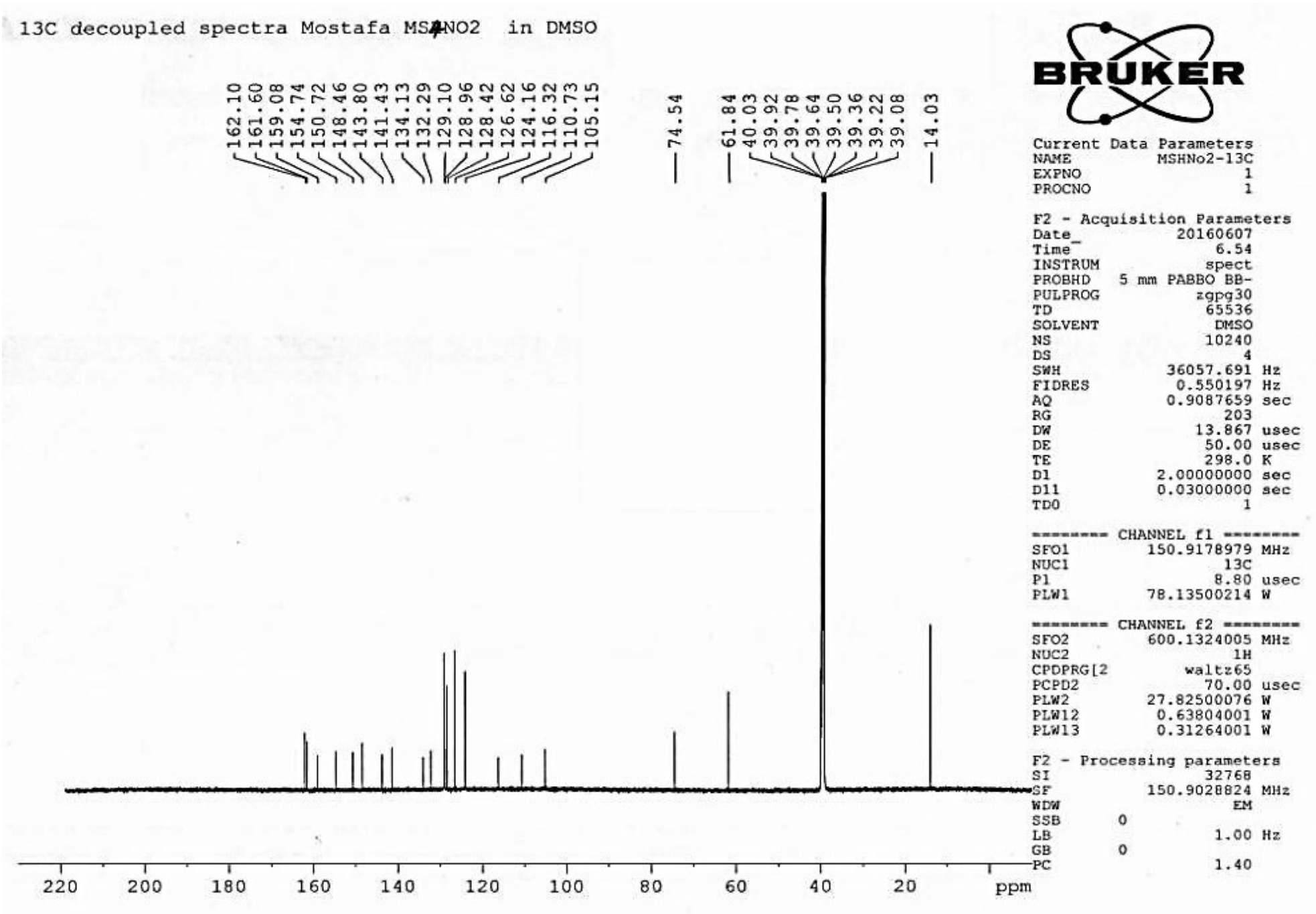
High resolution mass spectra for compound **9e**



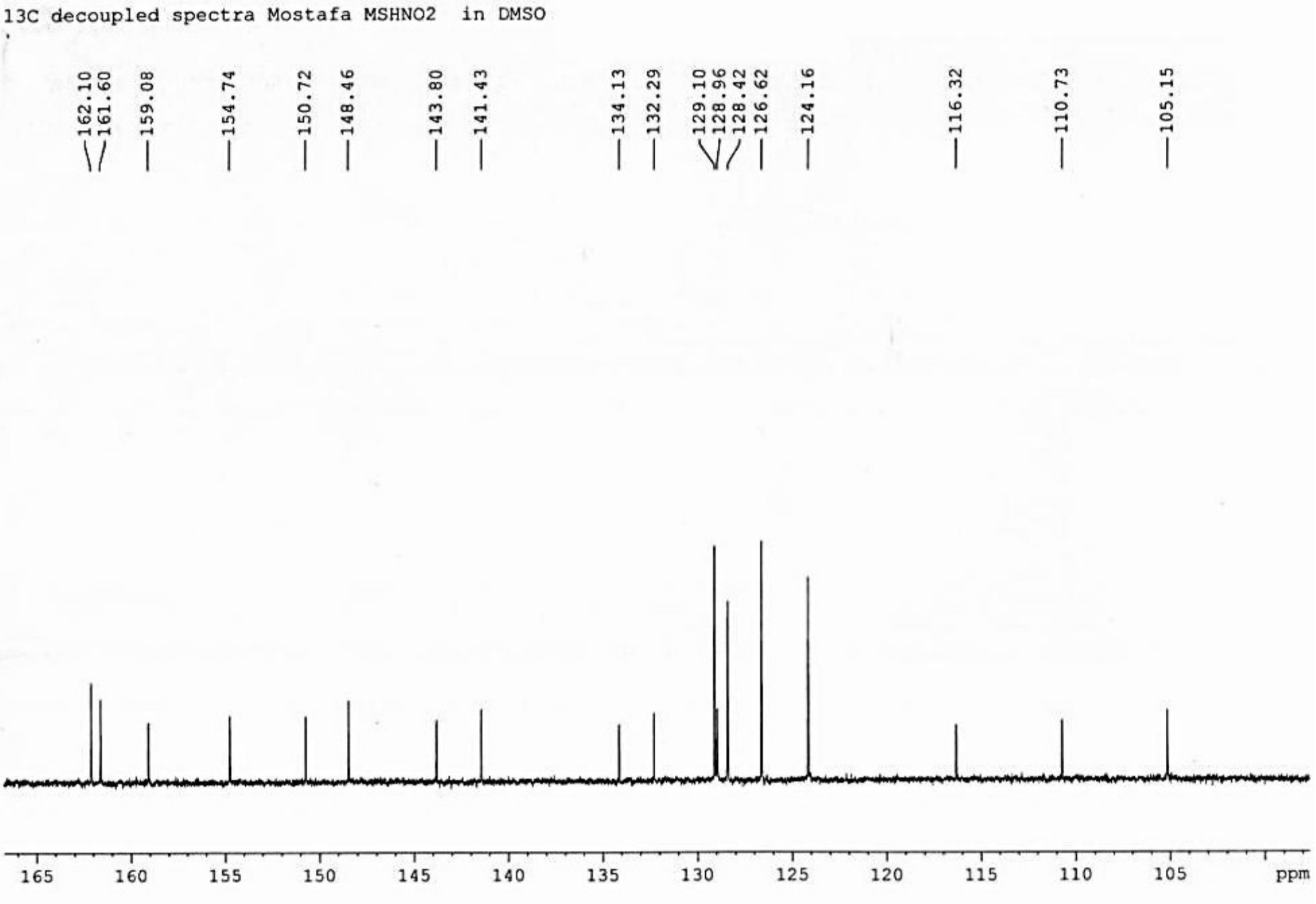
^{1}H NMR for the compound **9f**



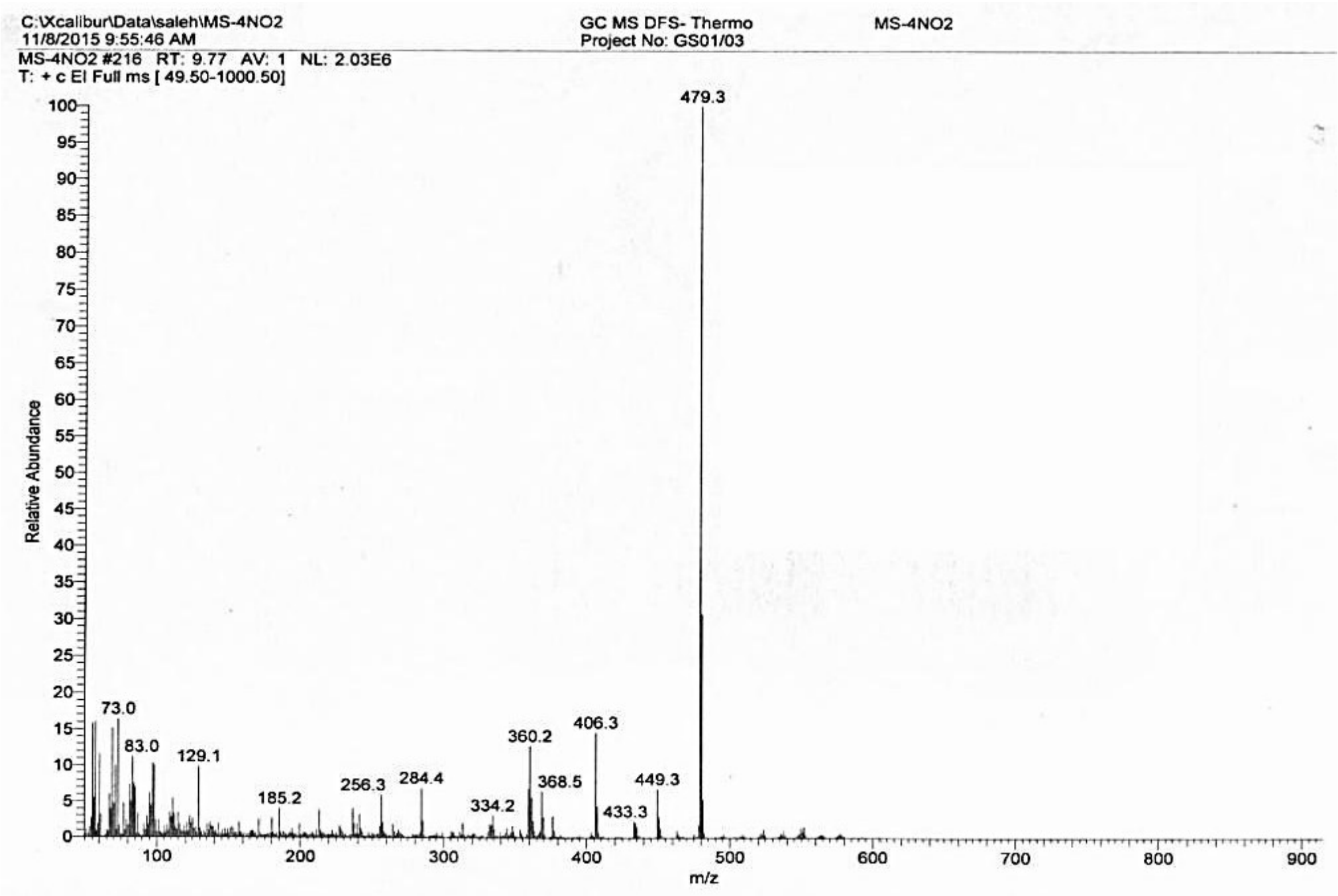
^{1}H NMR for the compound **9f**



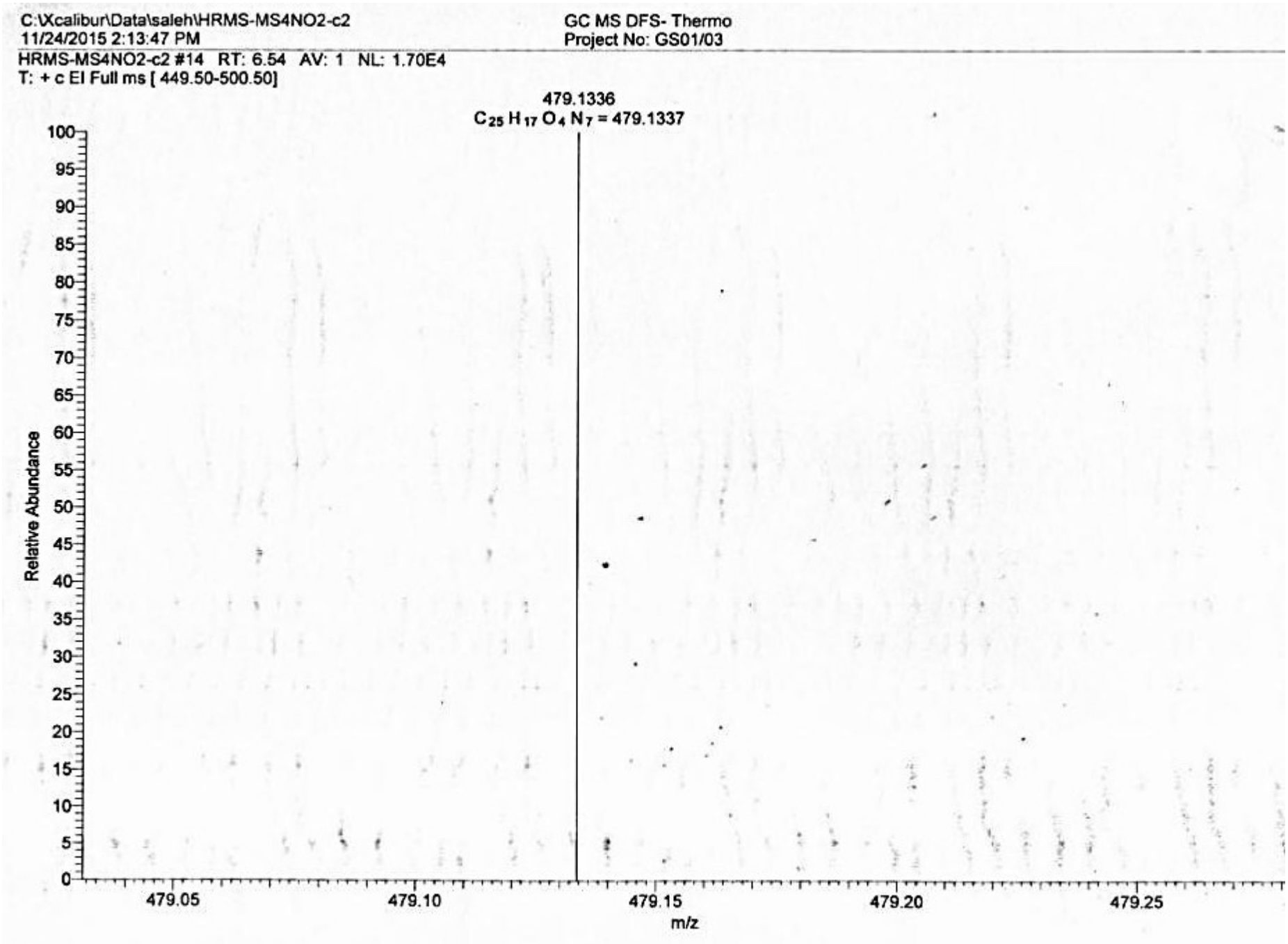
^{13}C NMR for the compound **9f**



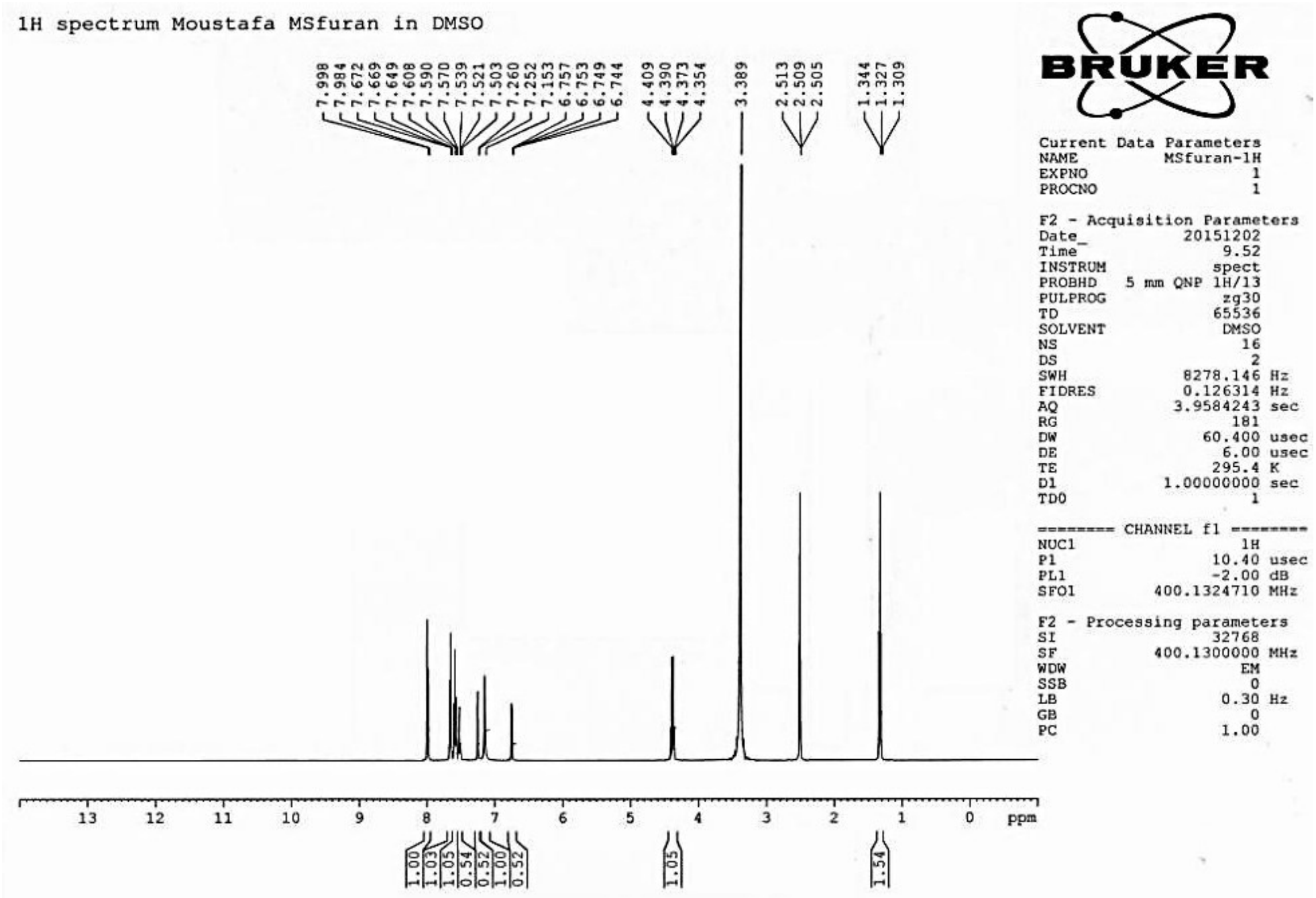
^{13}C NMR for the compound **9f**



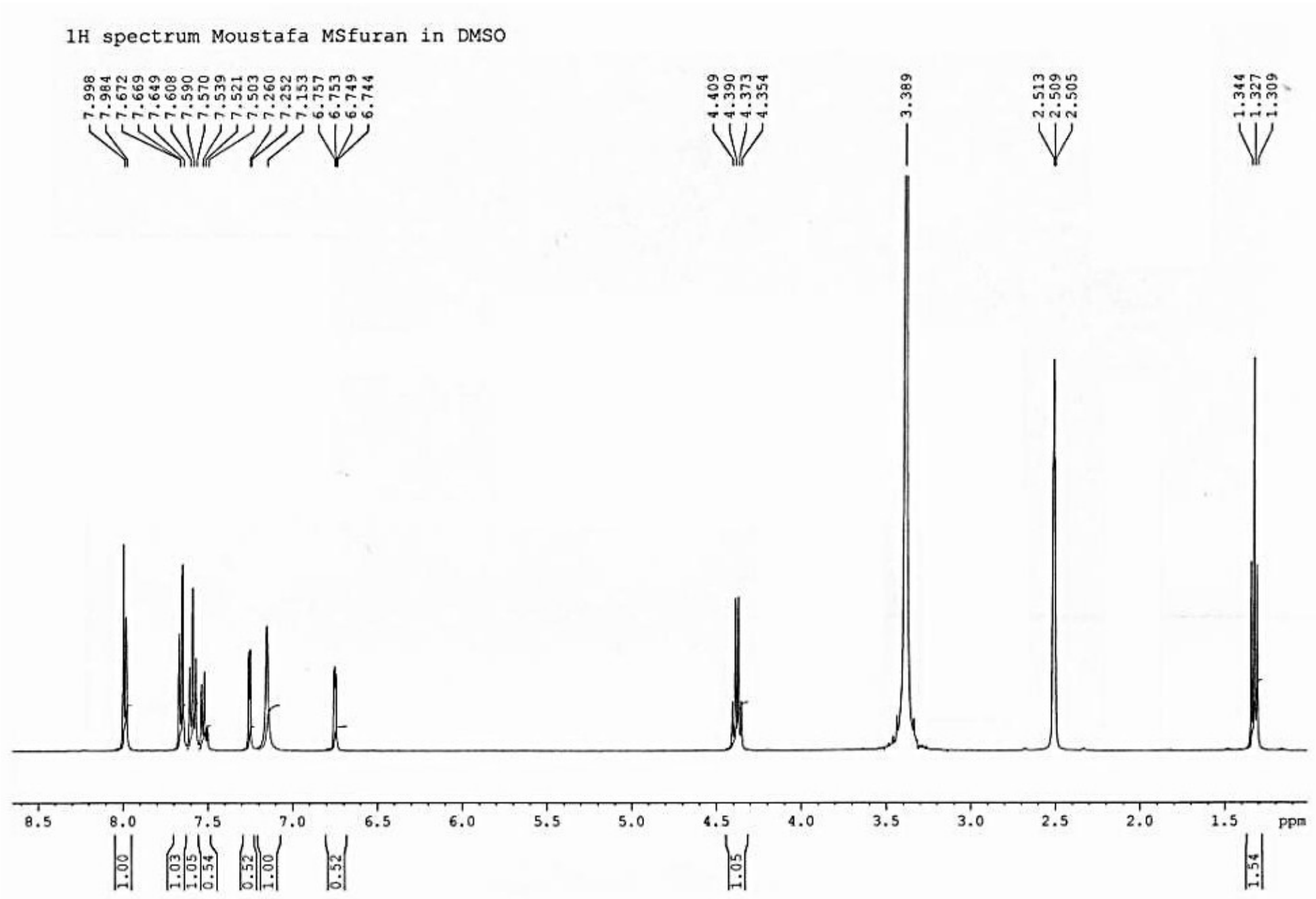
Mass spectra for the compound **9f**



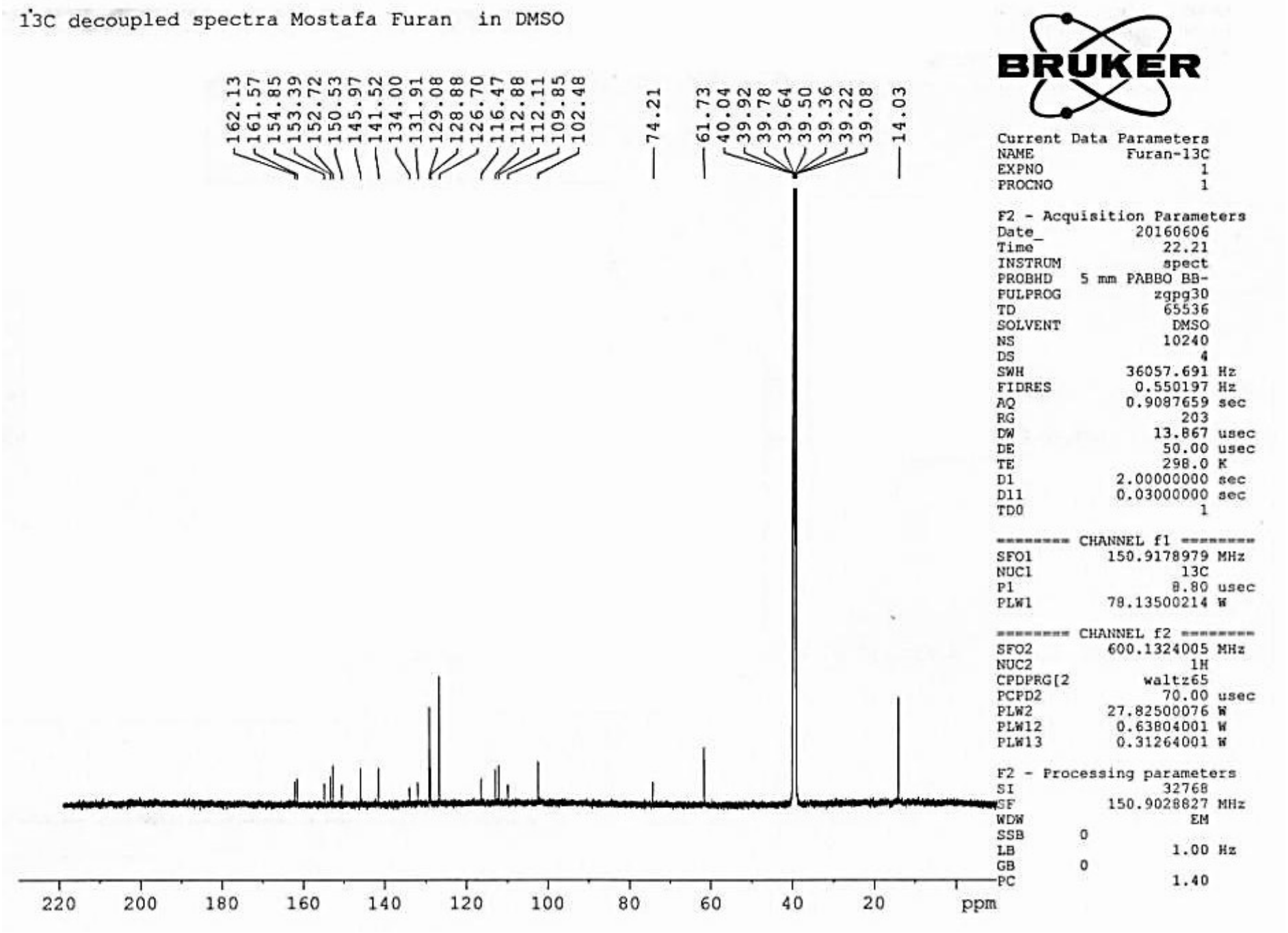
High resolution mass spectra for compound **9f**



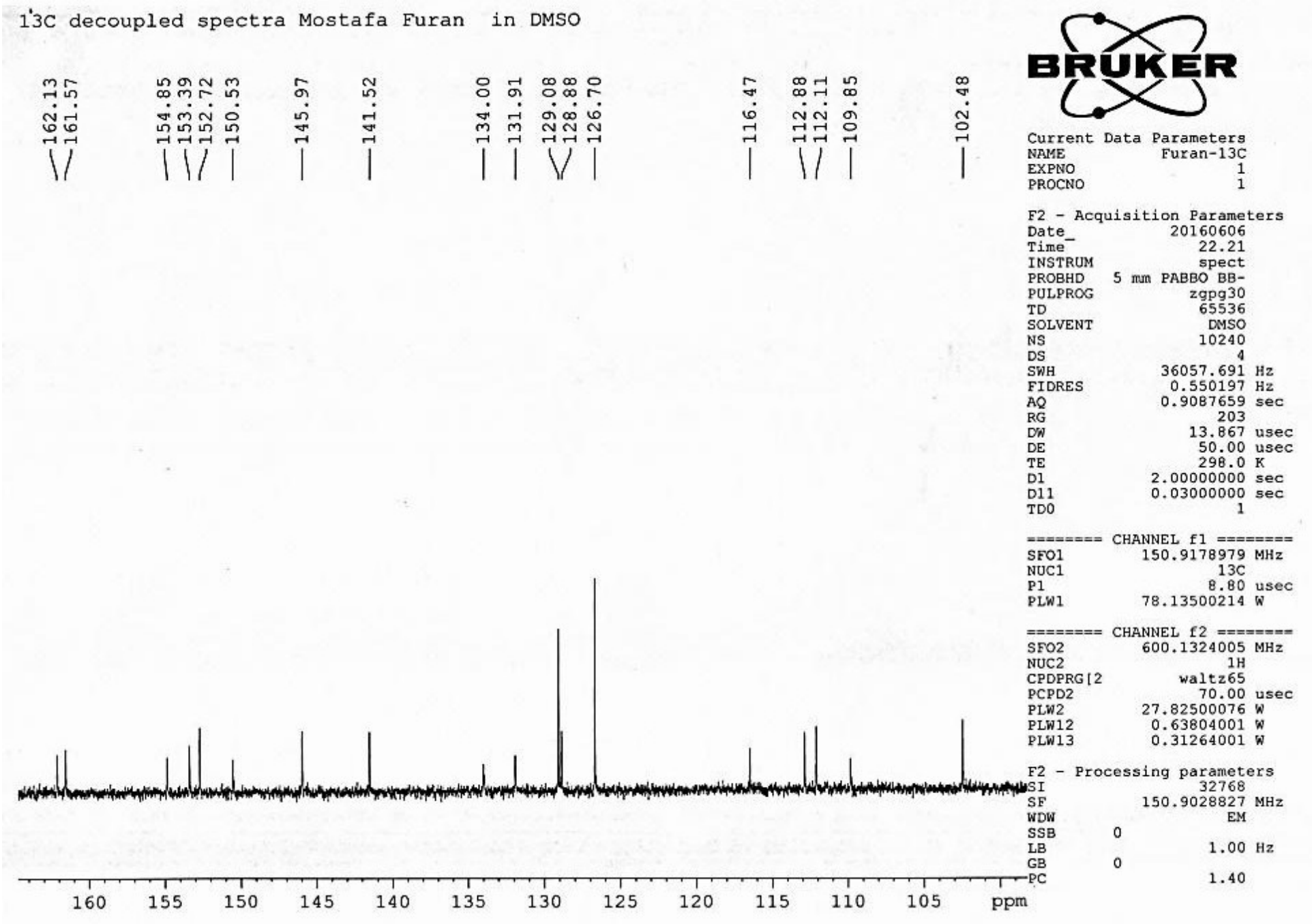
^{1}H NMR for the compound **9g**



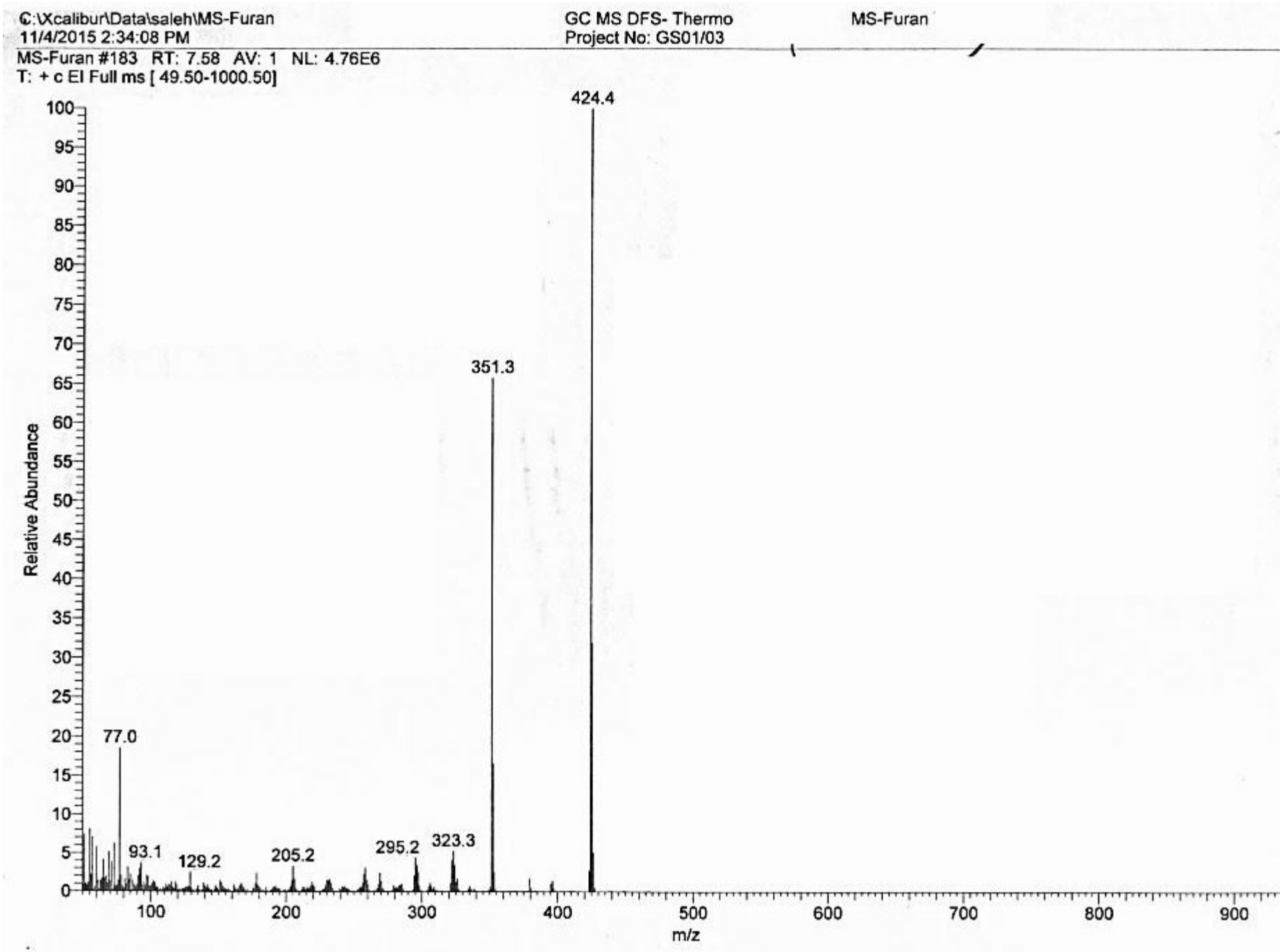
^{1}H NMR for the compound **9g**



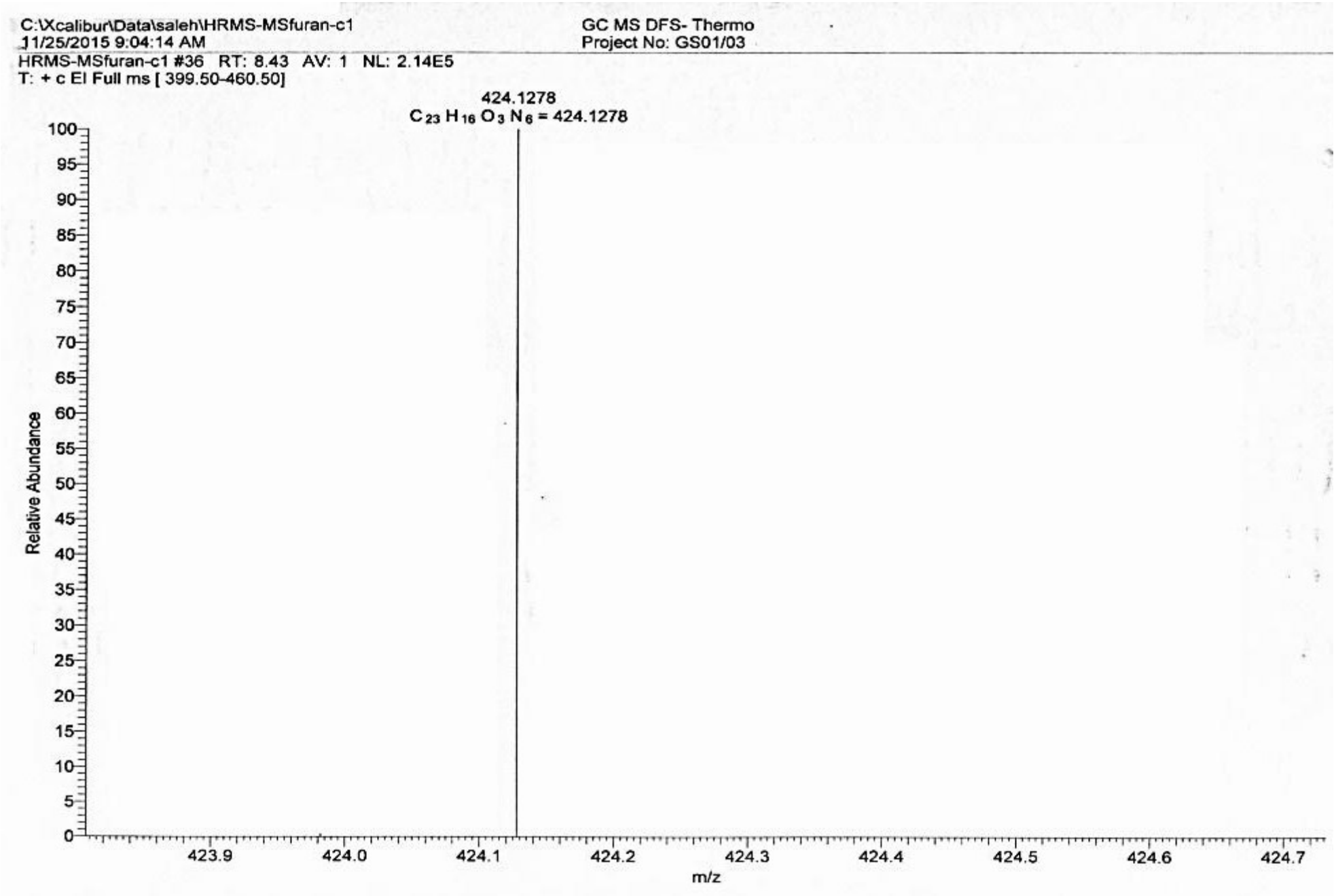
^{13}C NMR for the compound **9g**



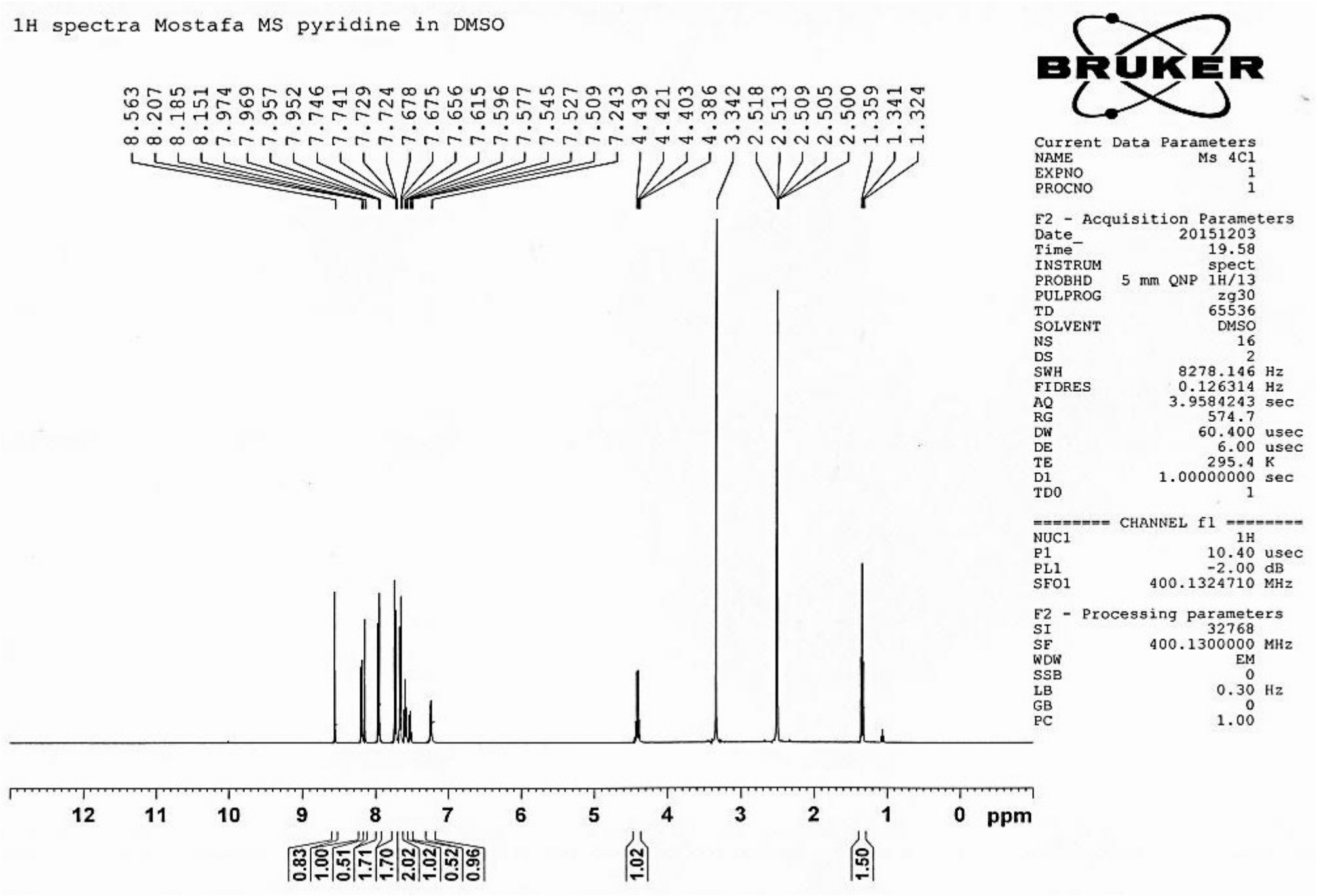
^{13}C NMR for the compound **9g**



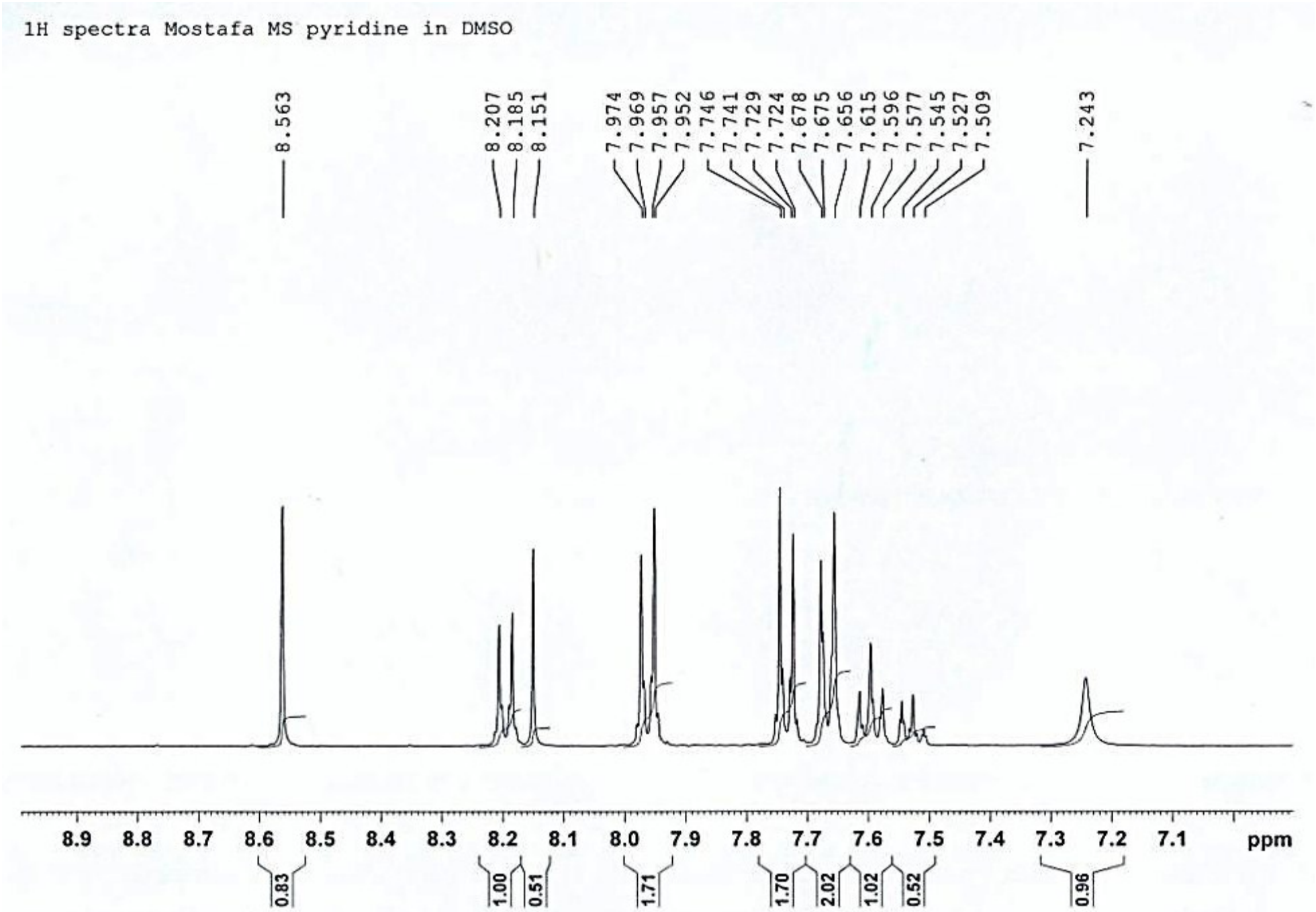
Mass spectra for the compound **9g**



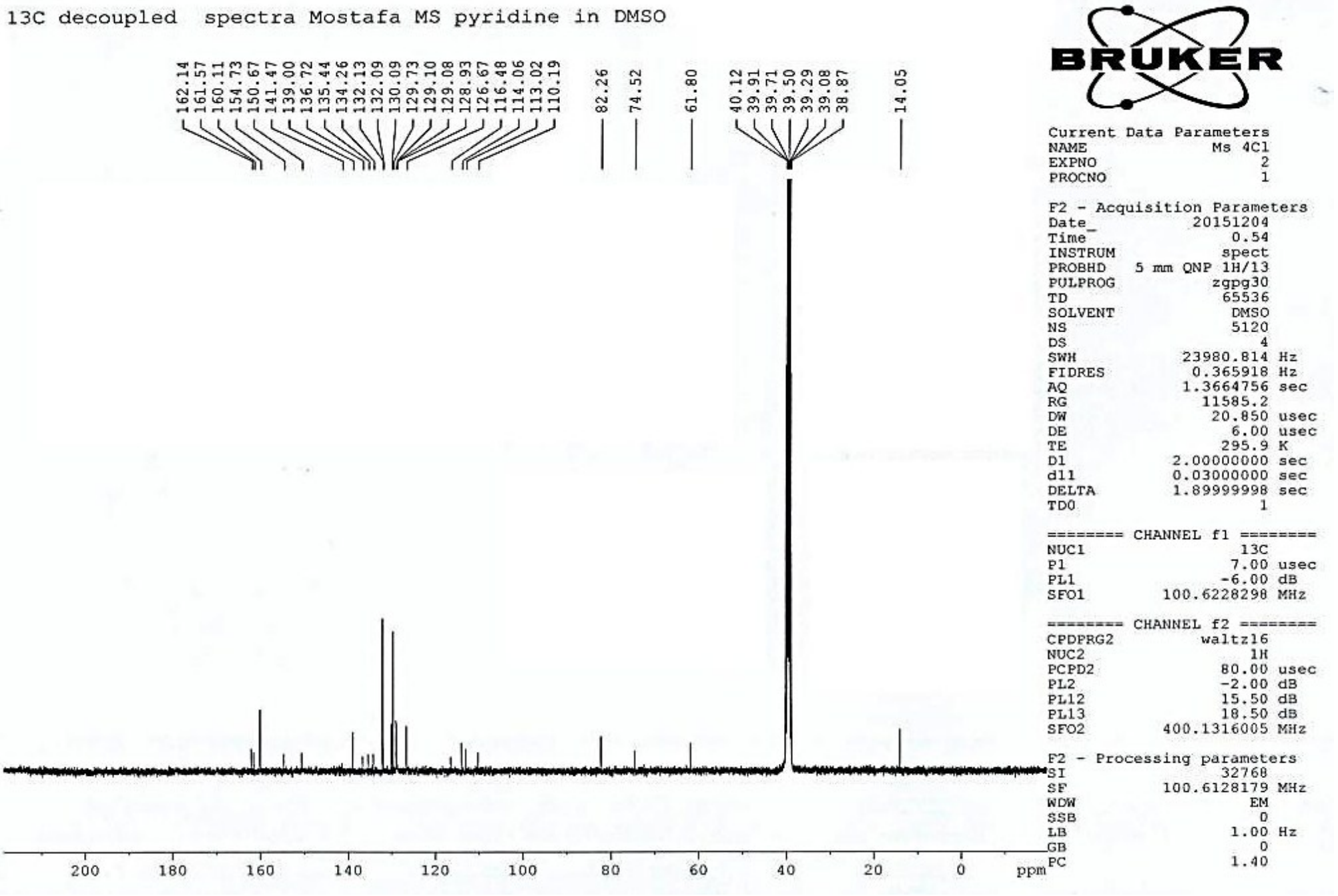
High resolution mass spectra for compound **9g**



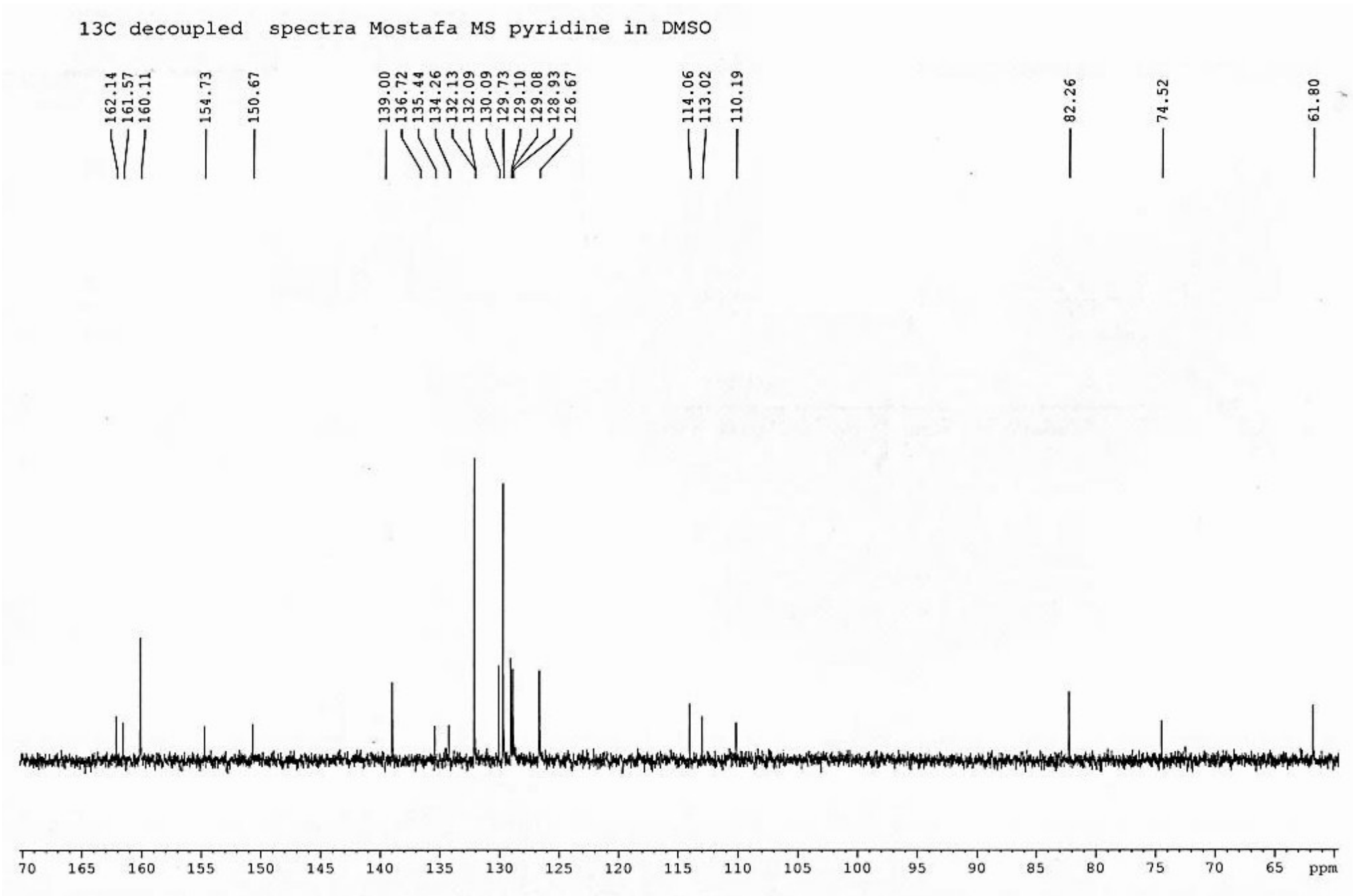
^{1}H NMR for the compound **9h**



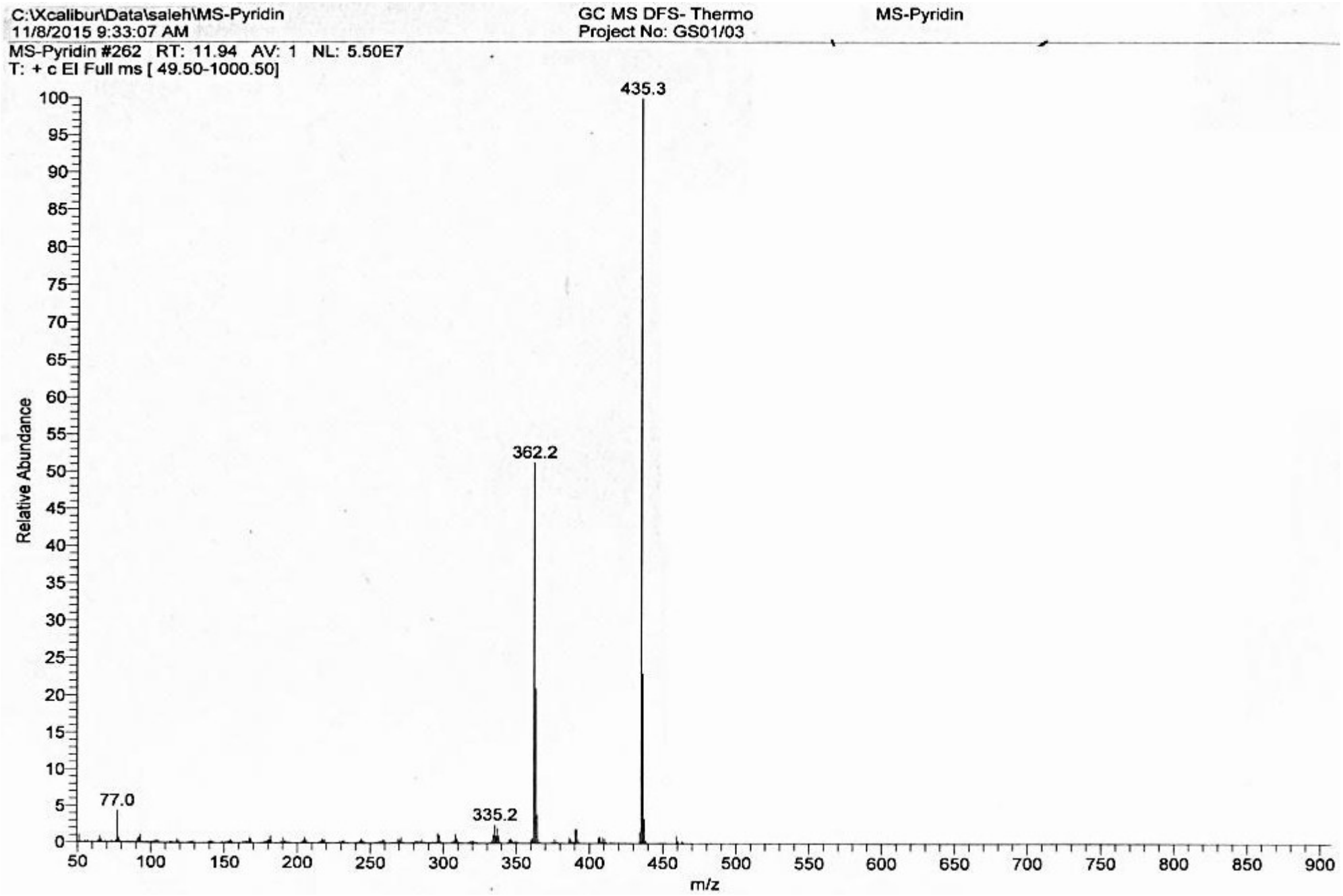
^{1}H NMR for the compound **9h**



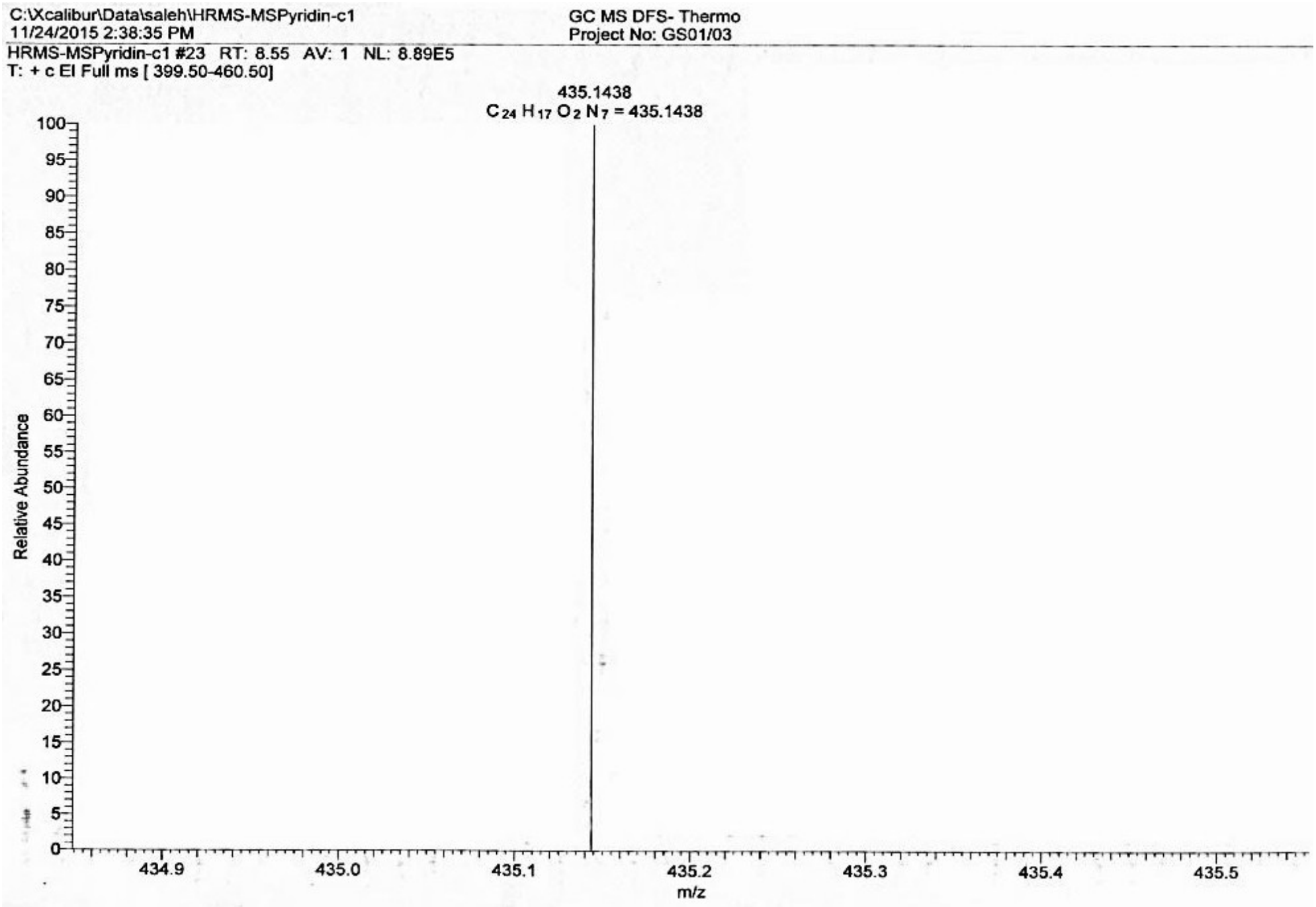
^{13}C NMR for the compound **9h**



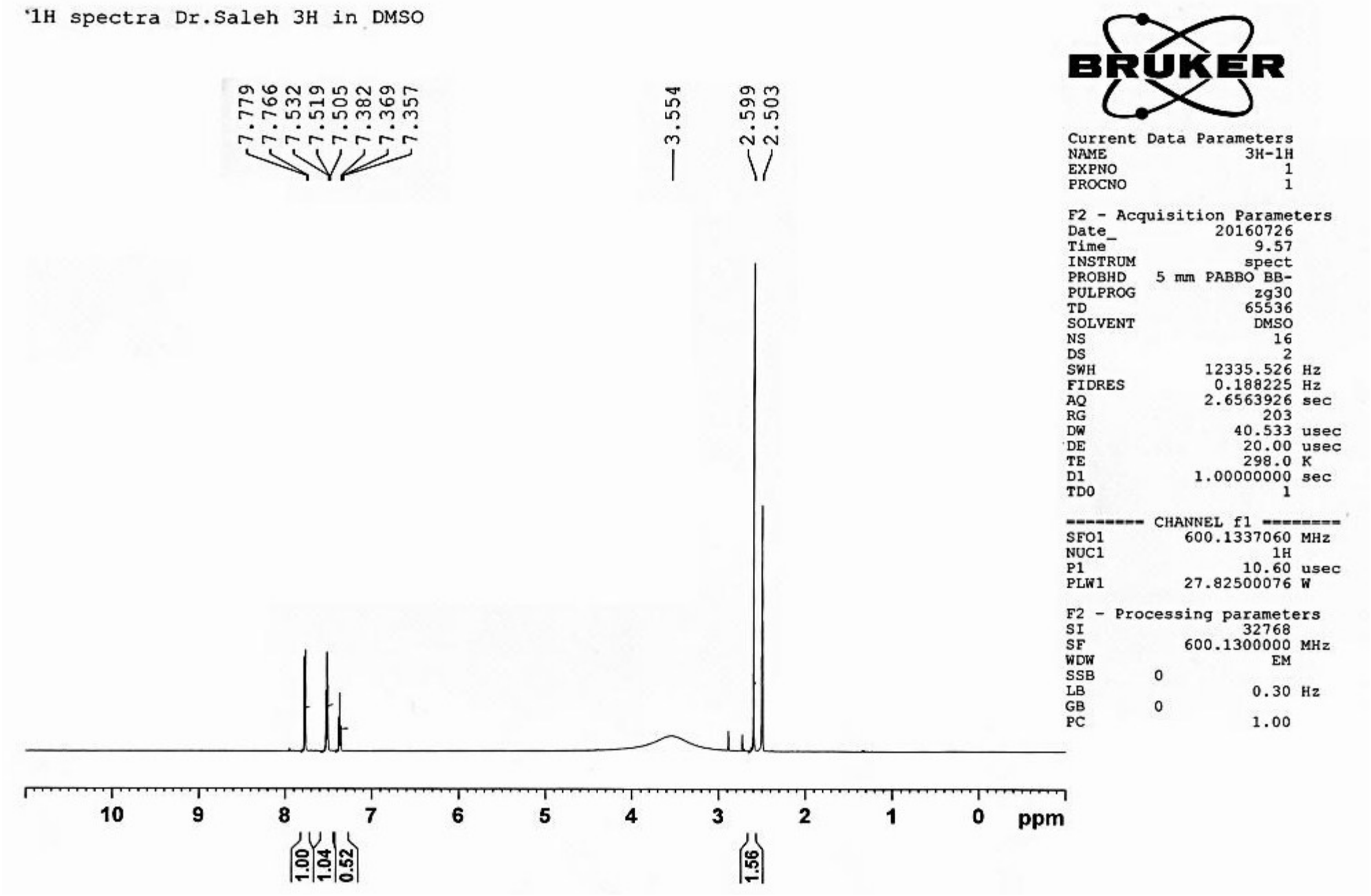
^{13}C NMR for the compound **9h**



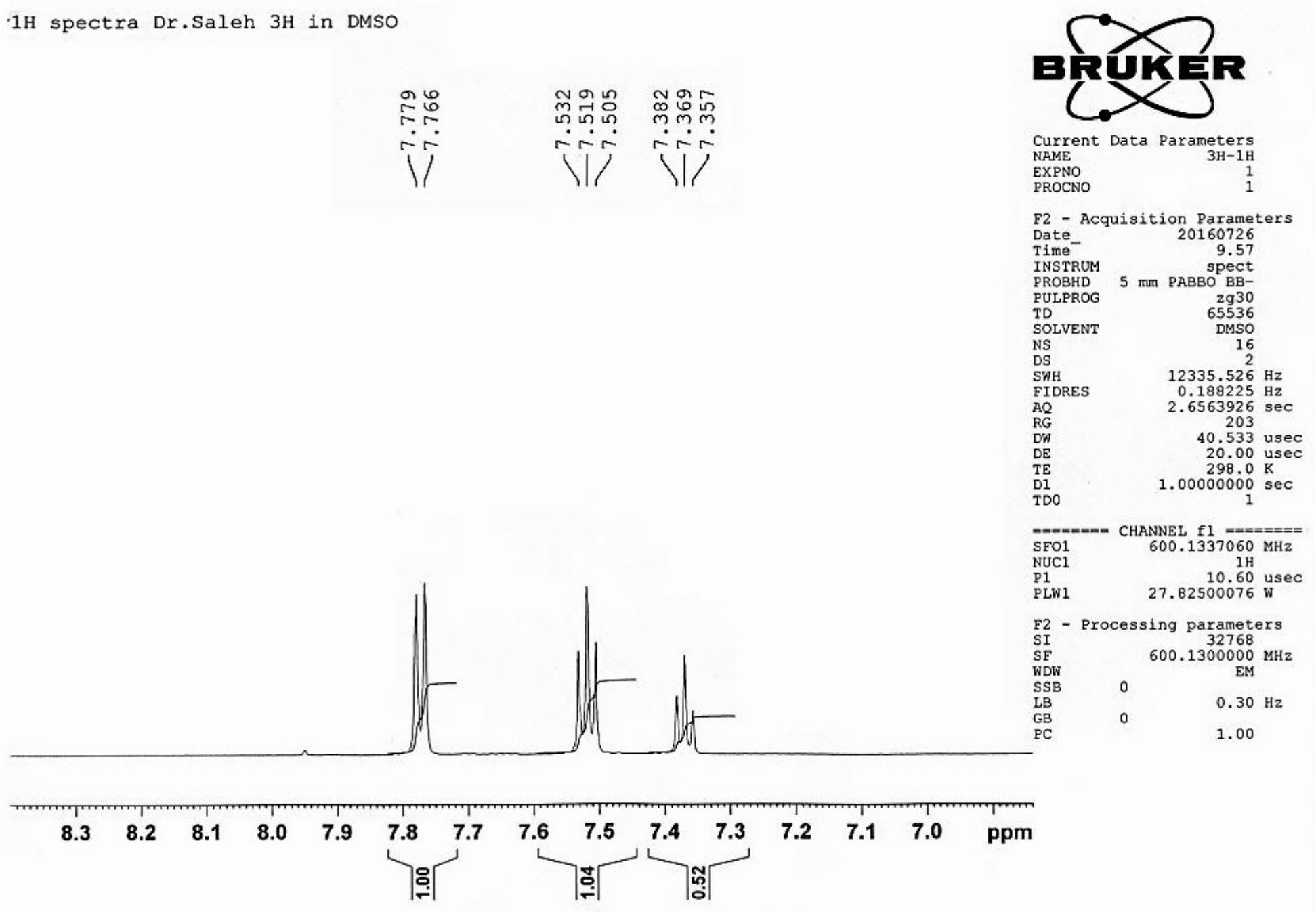
Mass spectra for the compound **9h**



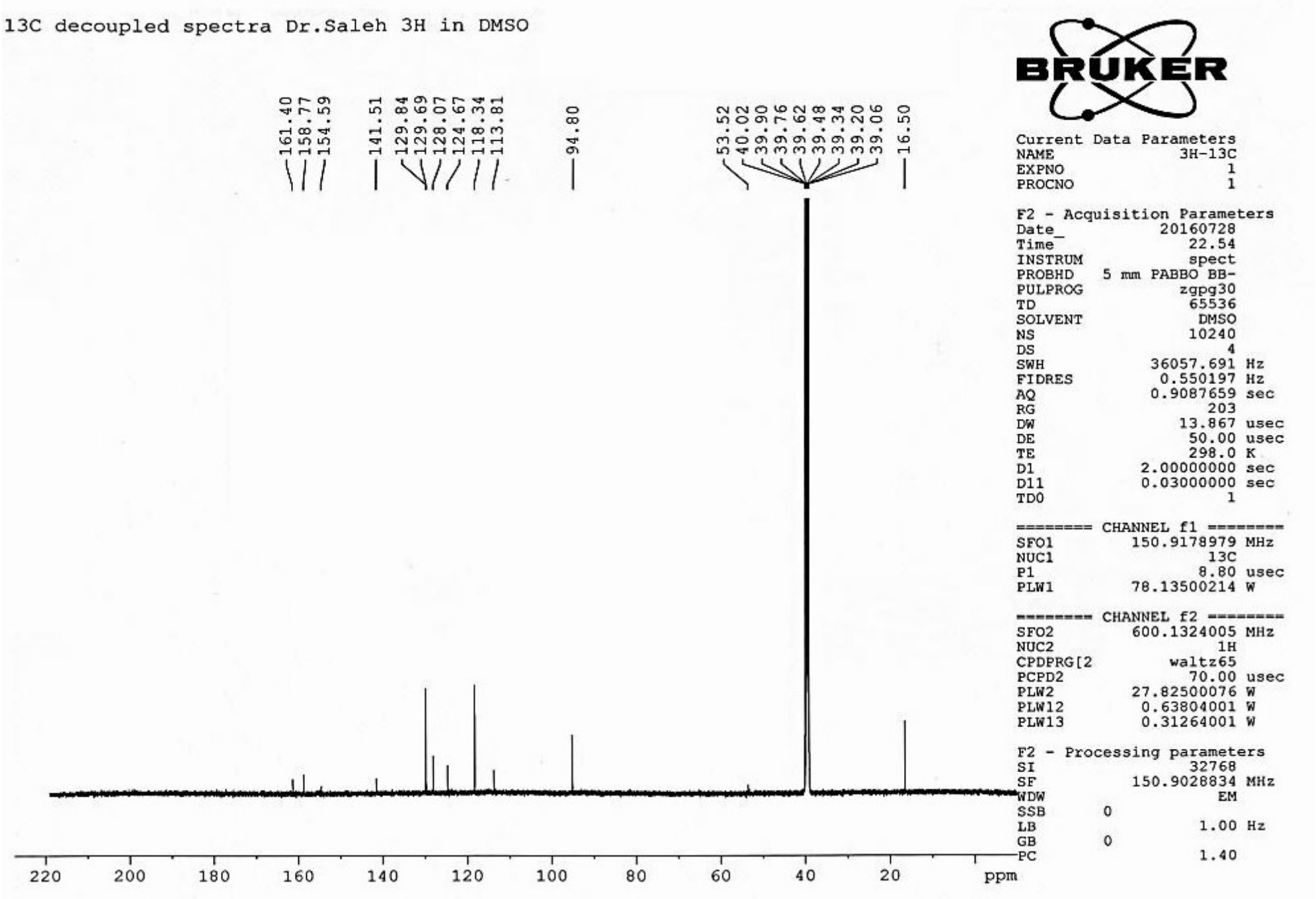
High resolution mass spectra for compound **9h**



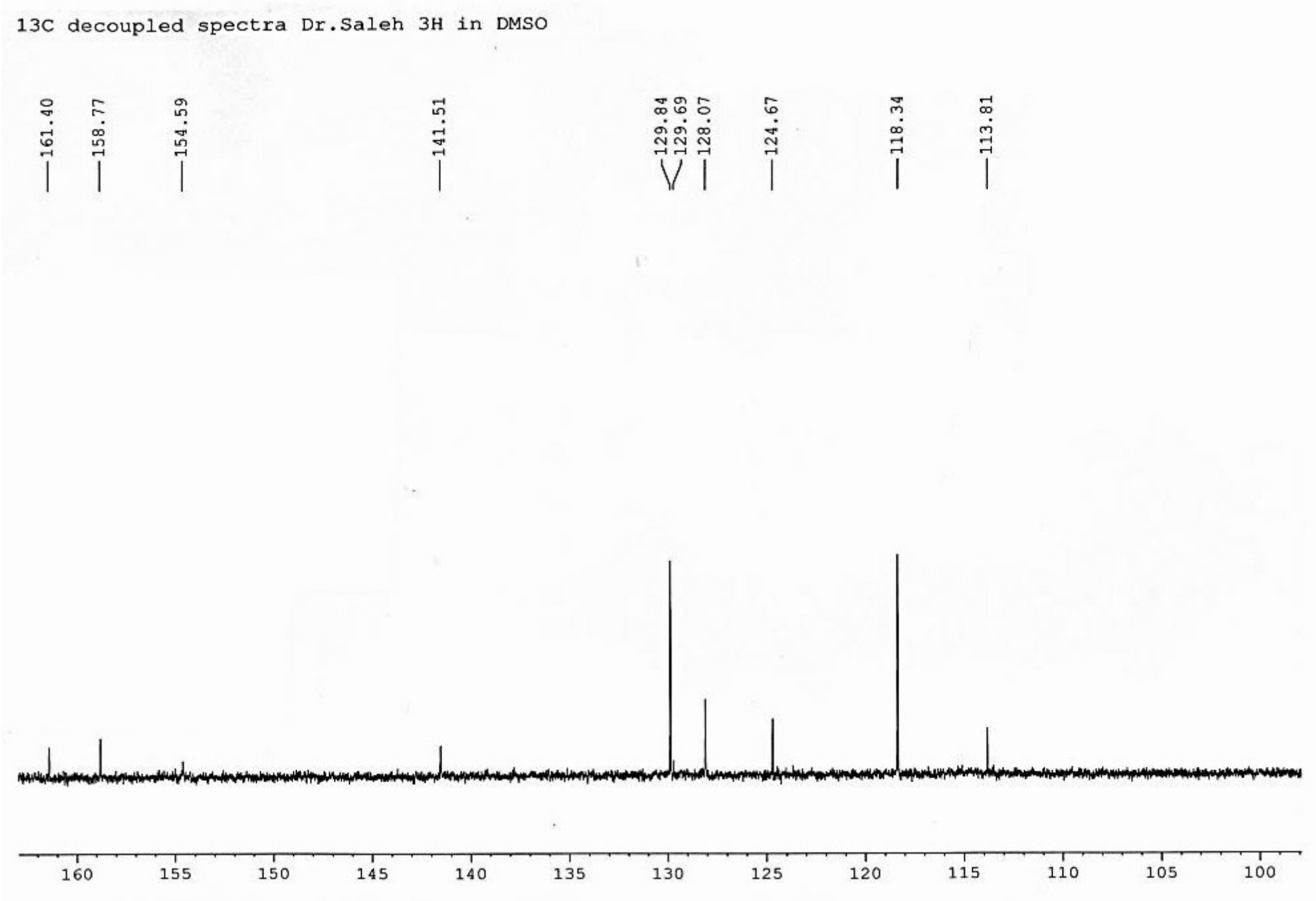
^{1}H NMR for the compound **20**



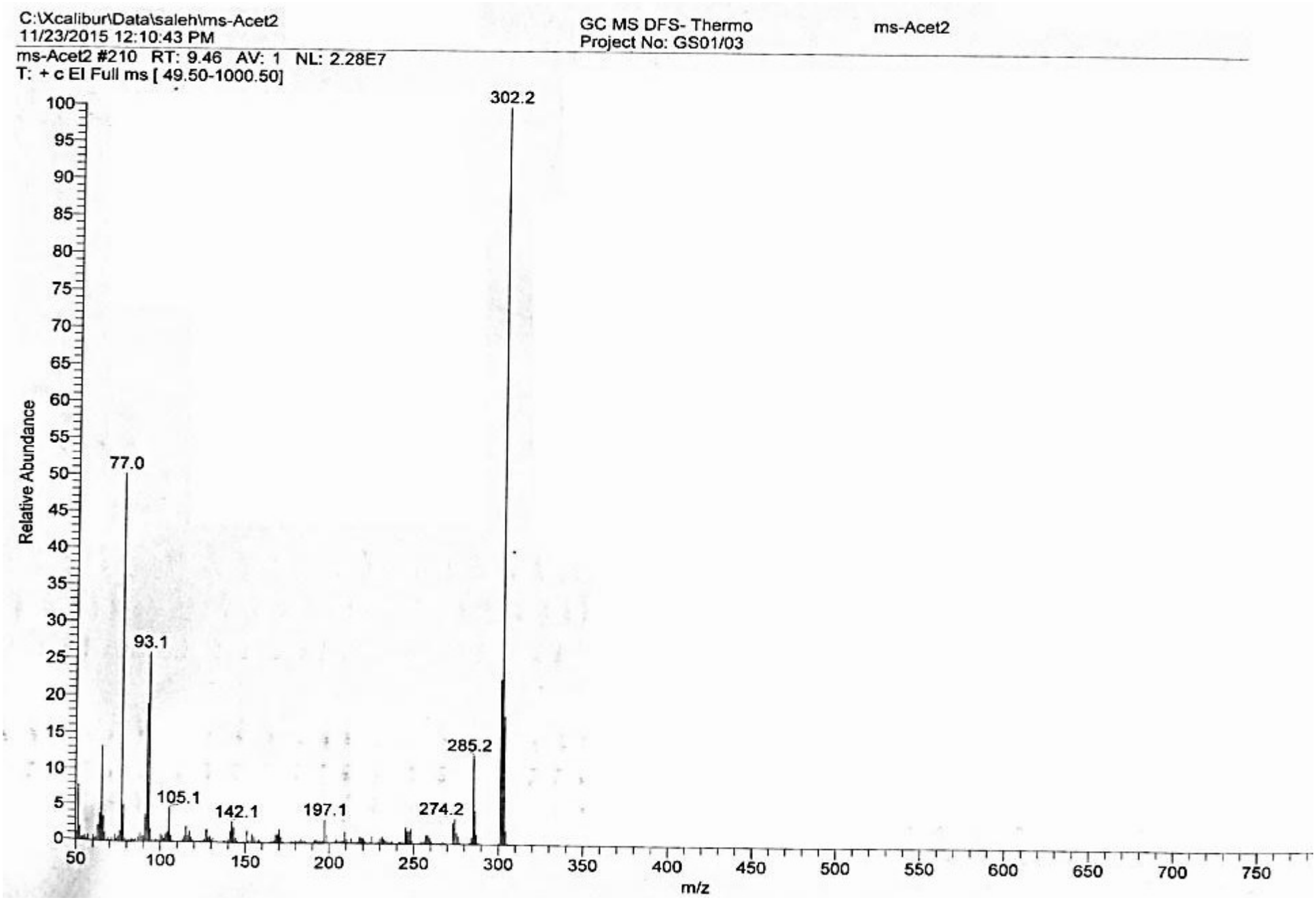
^{1}H NMR for the compound **20**



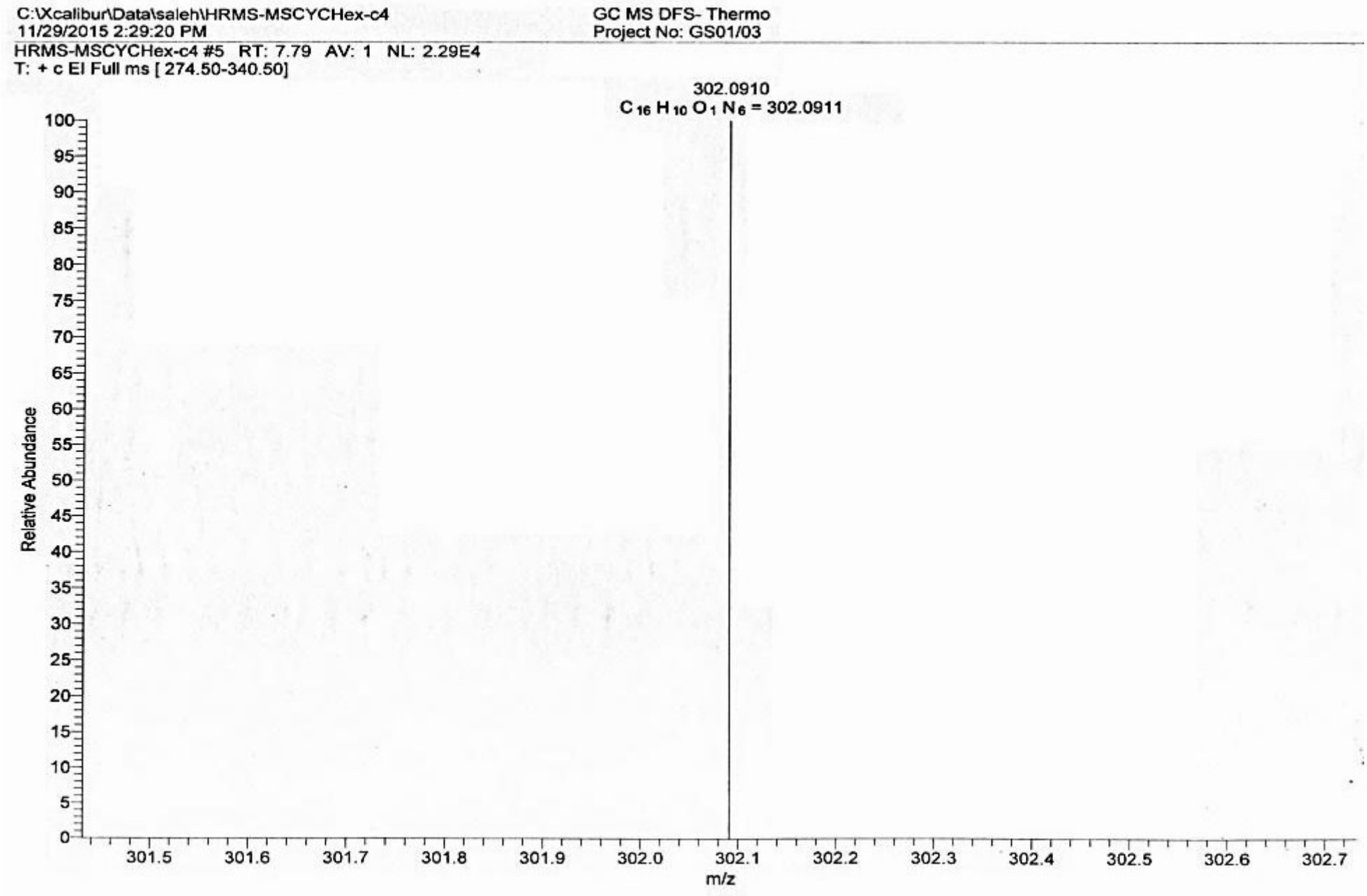
^{13}C NMR for the compound **20**



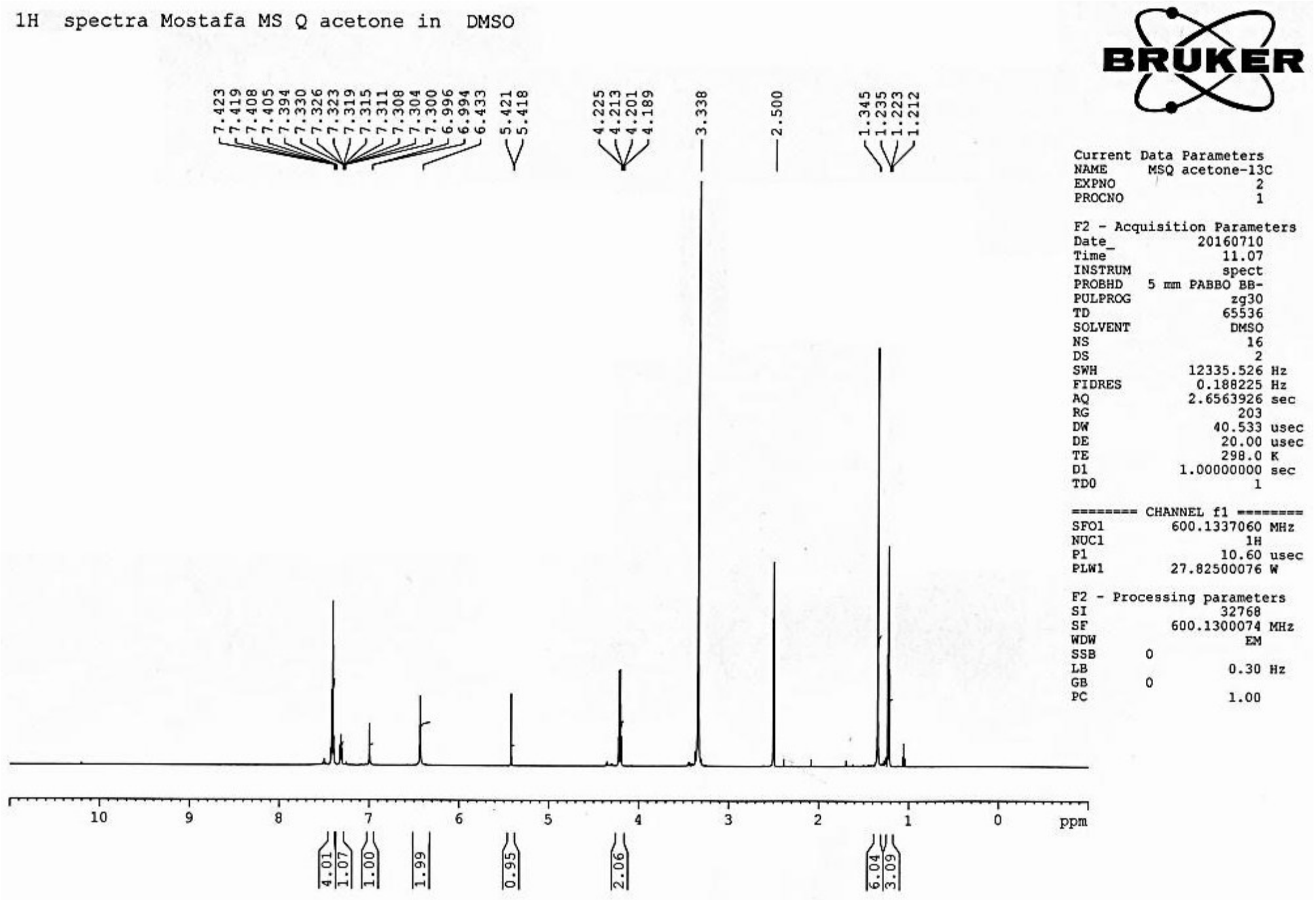
^{13}C NMR for the compound **20**



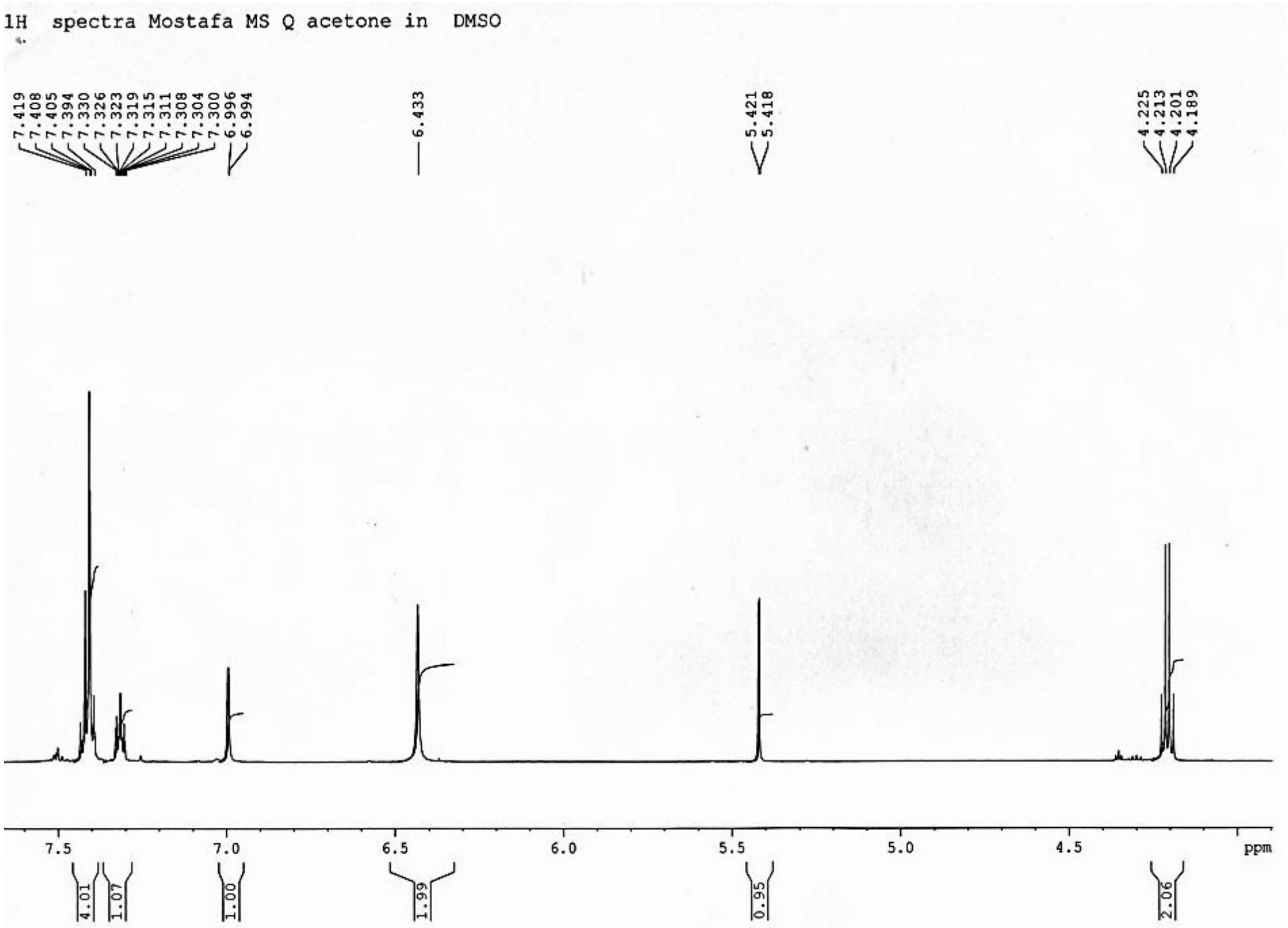
Mass spectra for the compound **20**



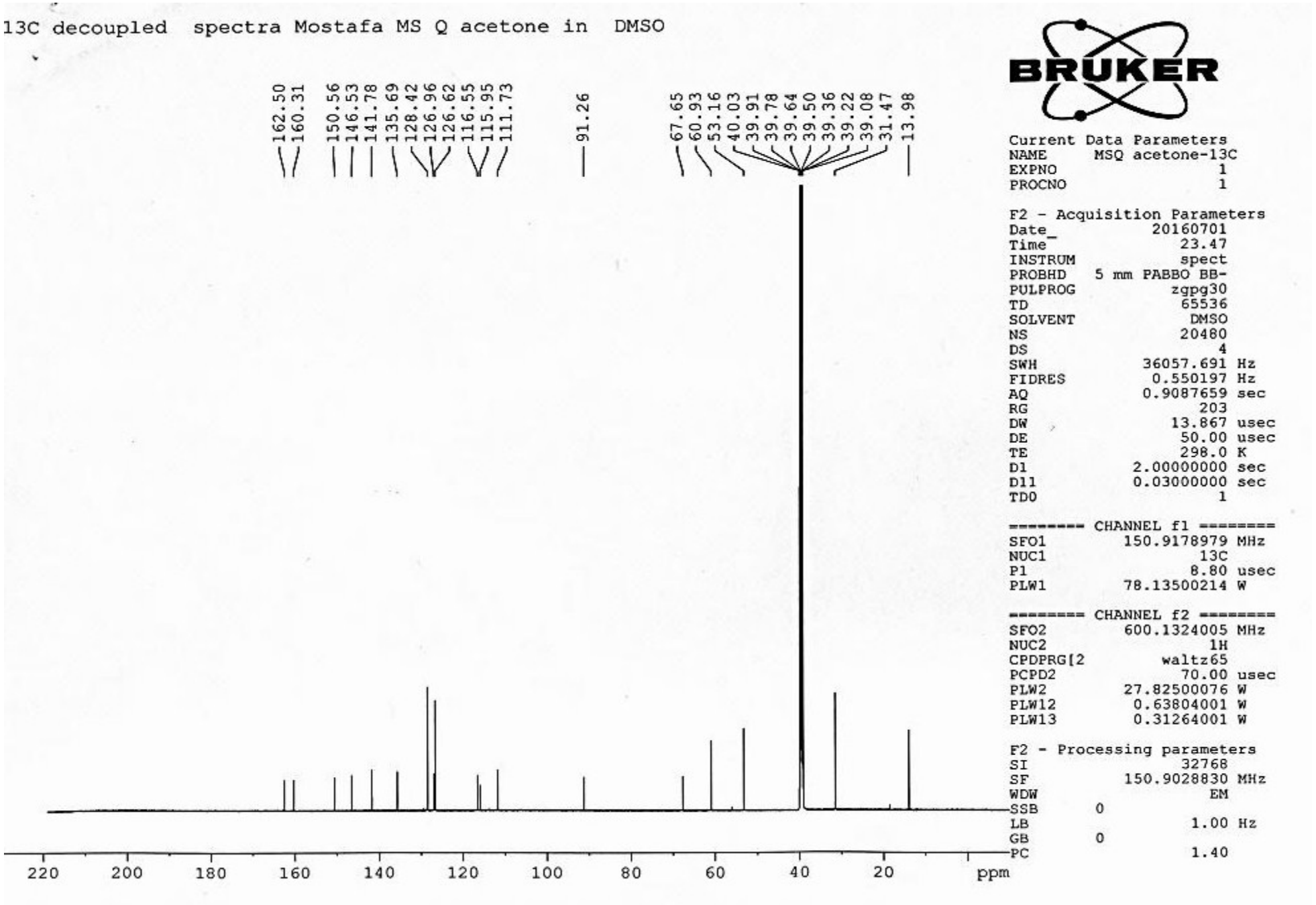
High resolution mass spectra for compound **20**



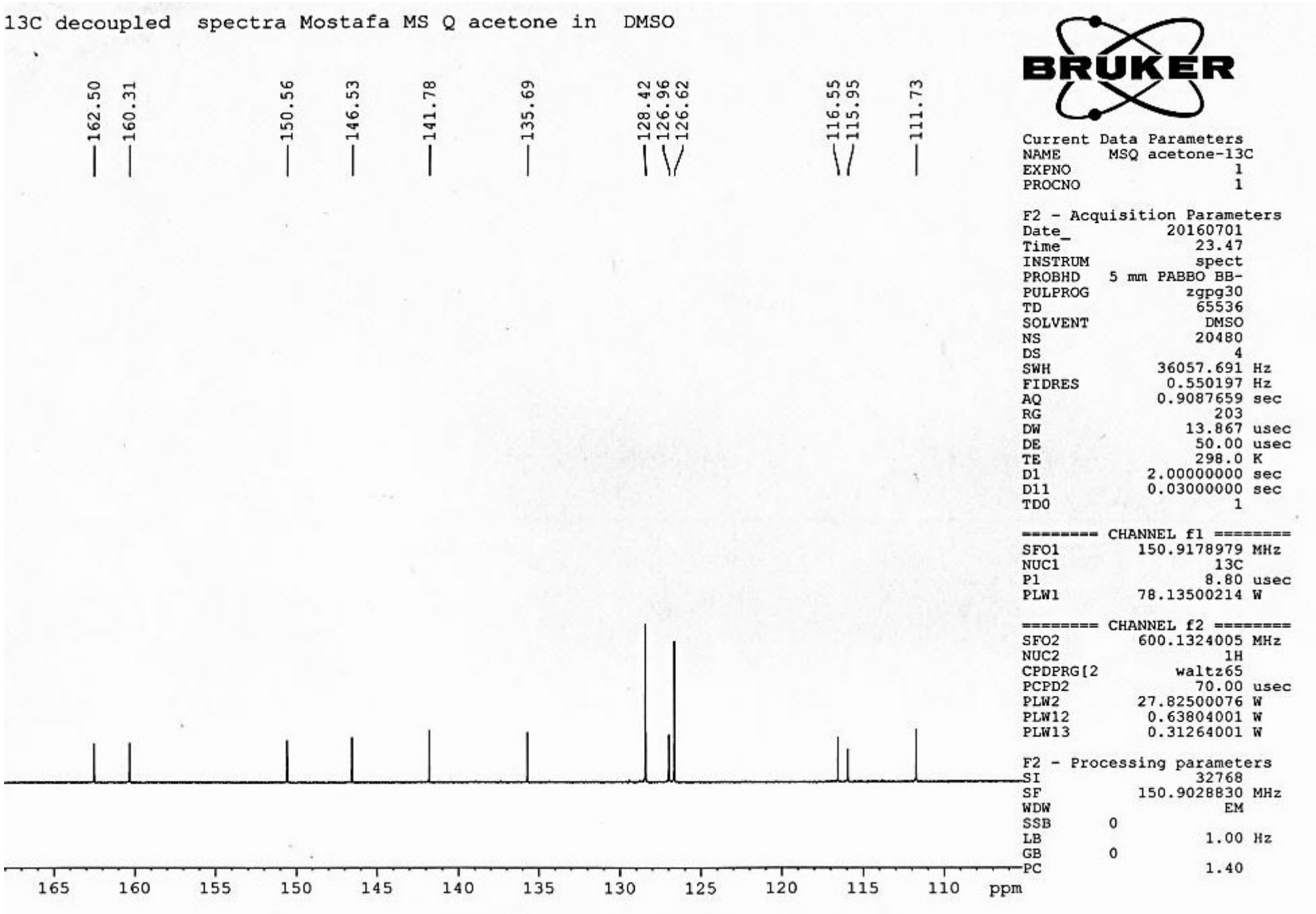
^{1}H NMR for the compound **22**



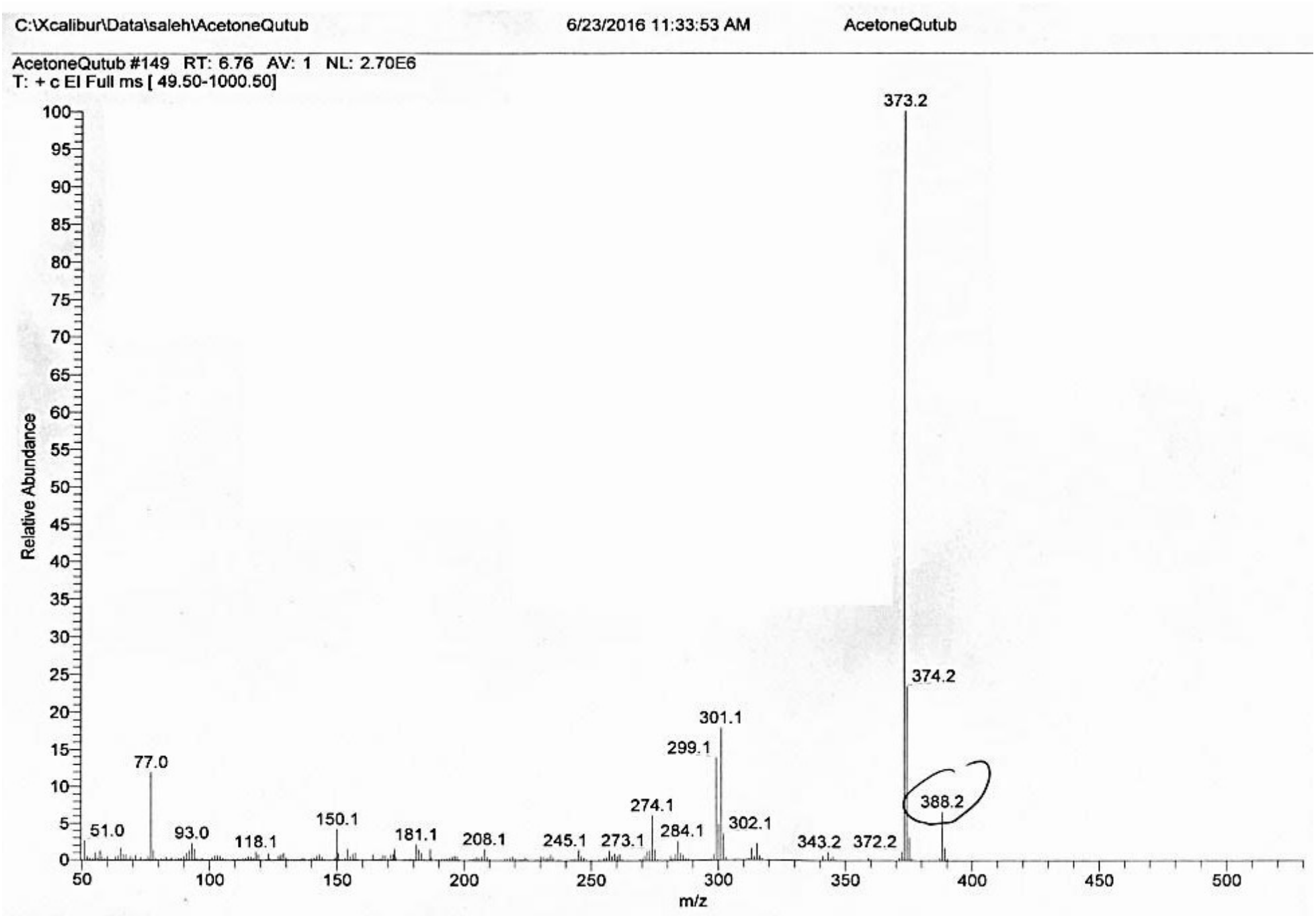
^{1}H NMR for the compound **22**



^{13}C NMR for the compound **22**



^{13}C NMR for the compound **22**



Mass spectra for the compound **22**