

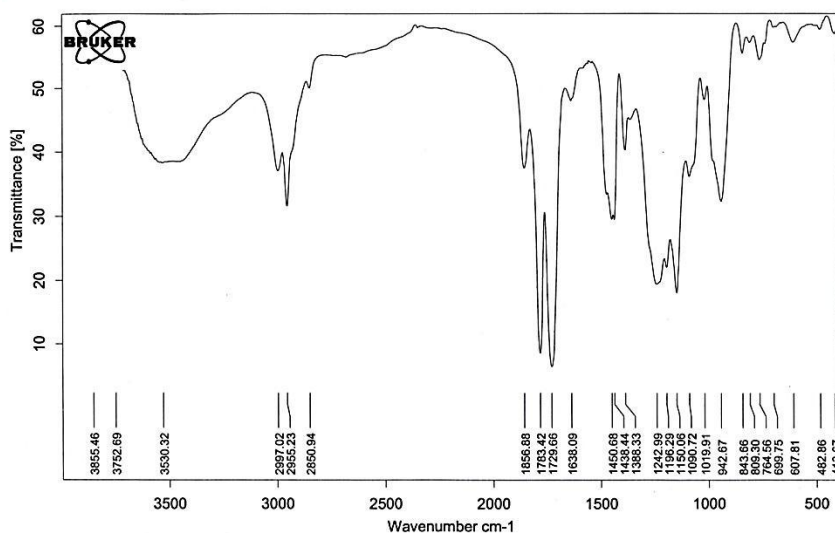
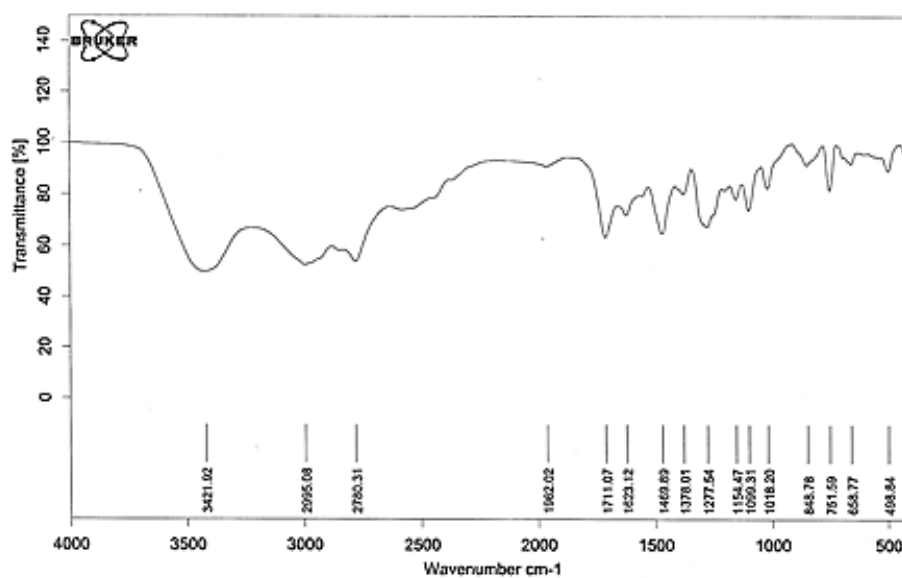
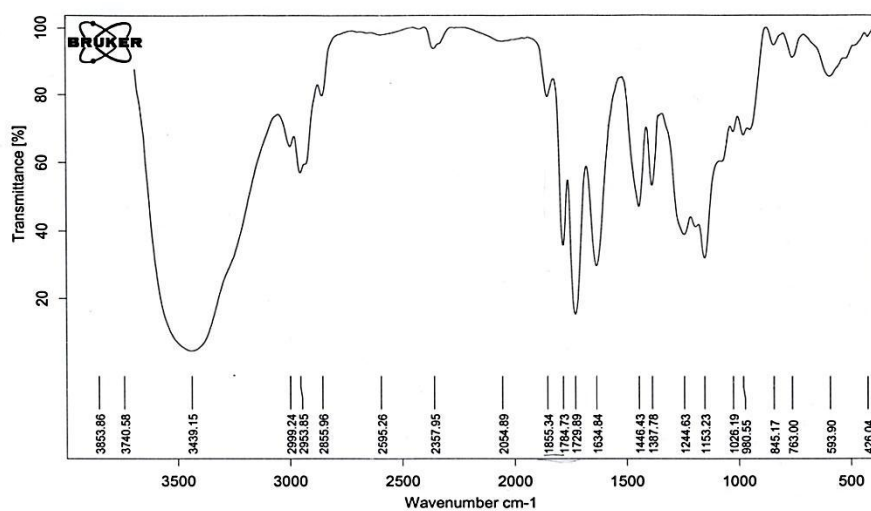


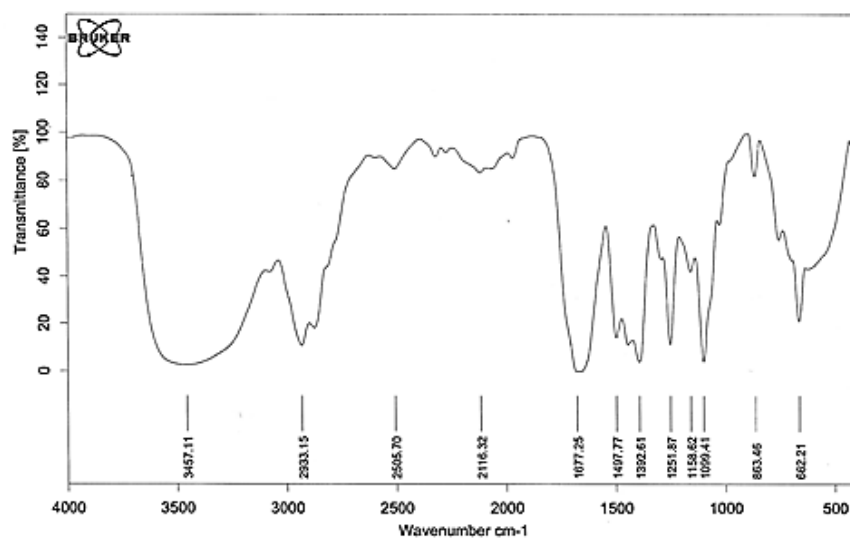
Figure (1): FT-IR spectra for Copolymer I (MAN-MMA)



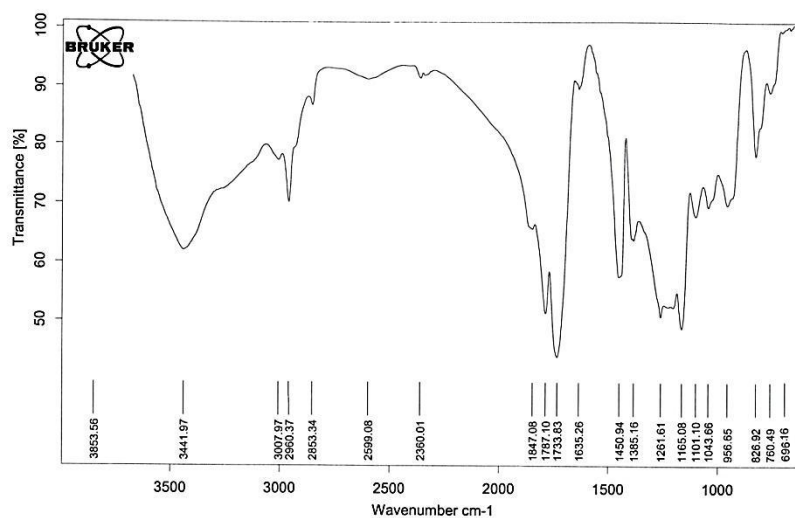
Figure(2): FT-IR spectra for Copolymer I (MAN- MMA)after modification with 2-amino ethyl benzoate groups



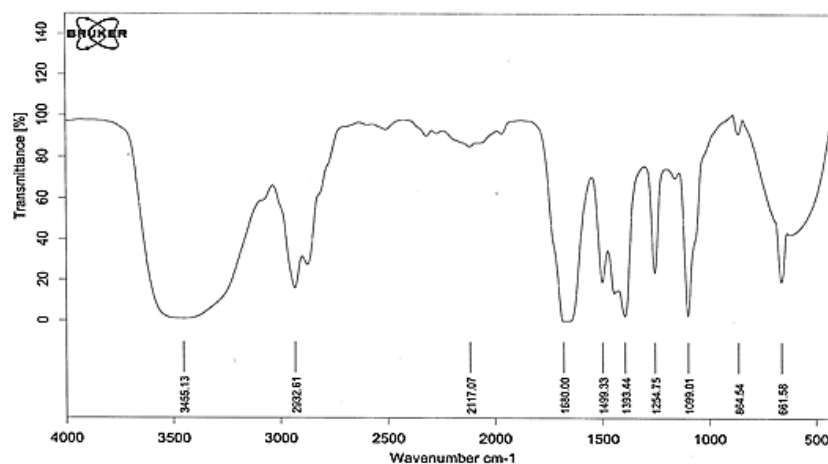
Figure(3): FT-IR spectra for Copolymer II (MAN- EMA)



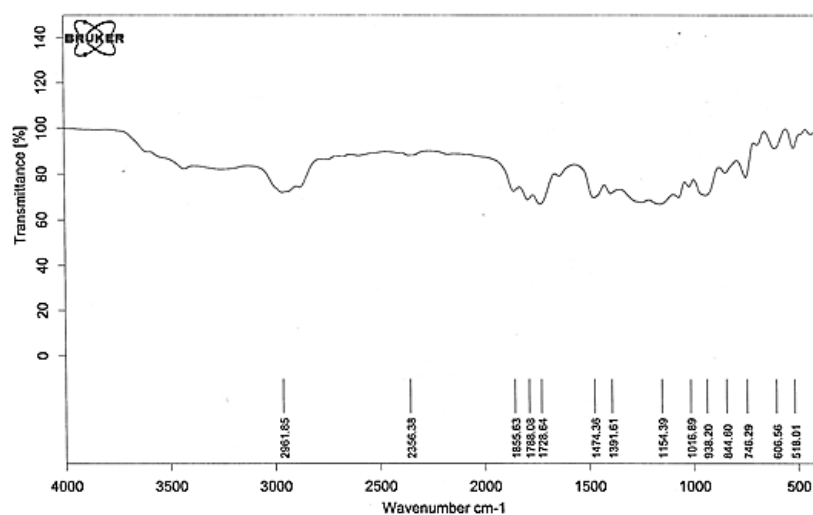
Figure(4): FT-IR spectra for Copolymer II (MAN- EMA) after modification with 2-amino ethyl benzoate groups



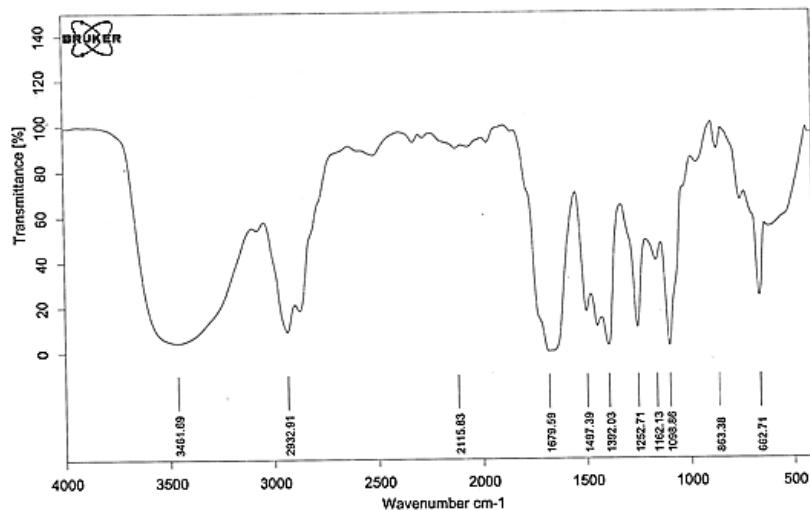
Figure(5): FT-IR spectra for Copolymer III (MAN- MA)



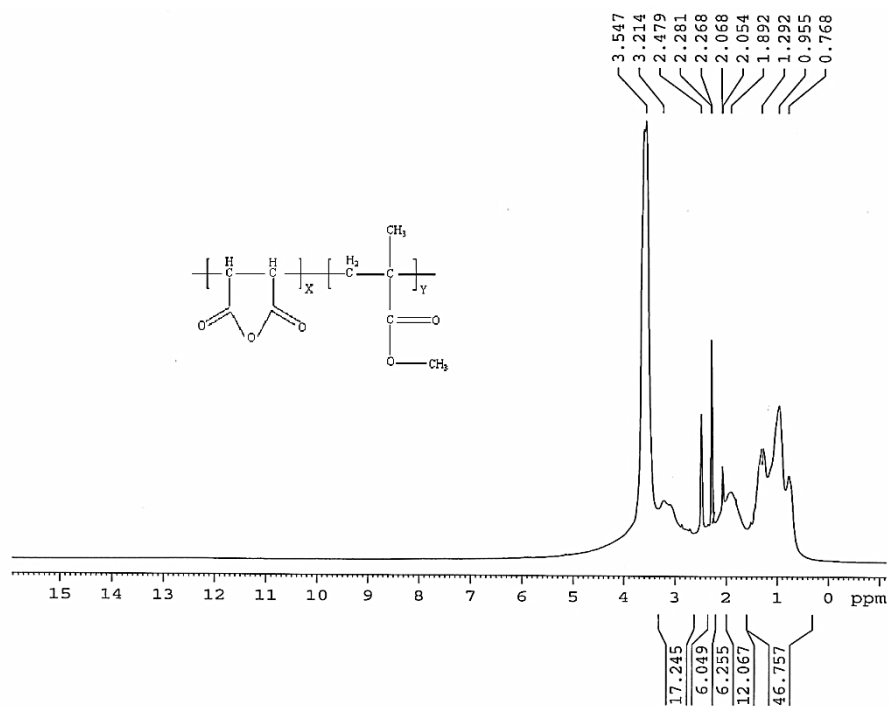
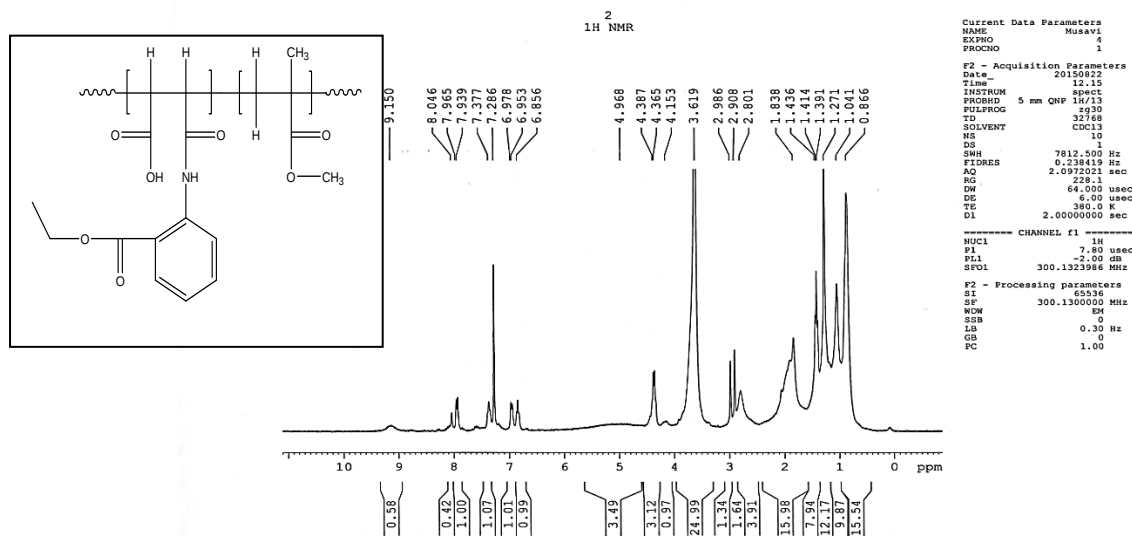
Figure(6): FT-IR spectra for Copolymer II (MAN- MA) after modification with 2-amino ethyl benzoate groups

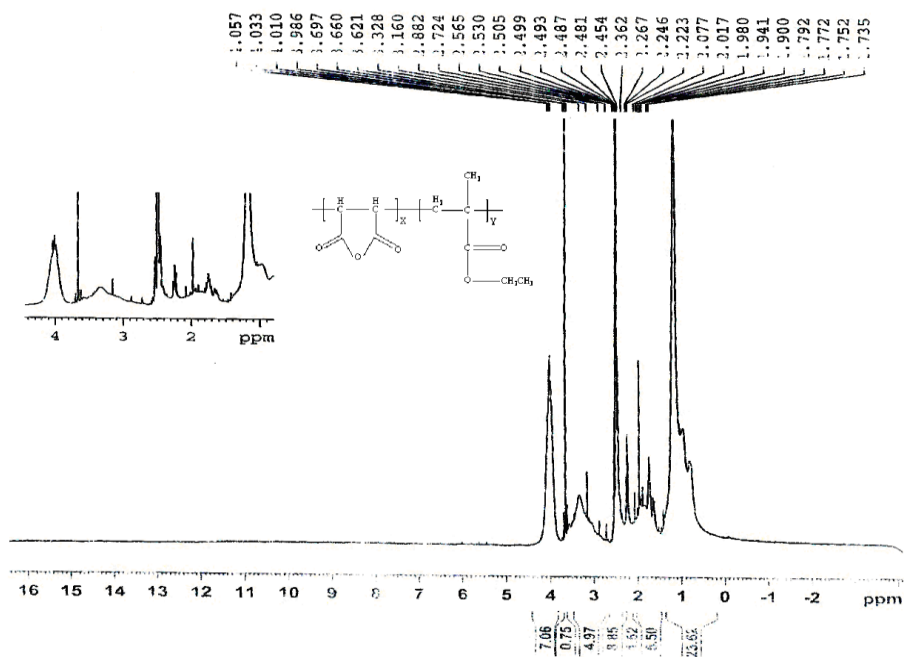
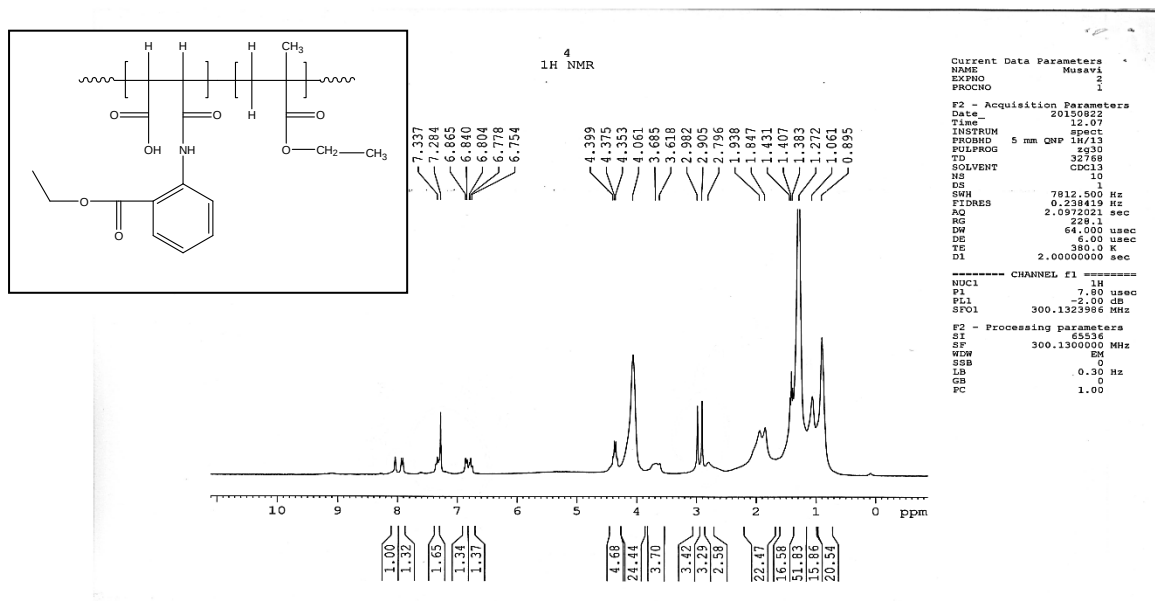


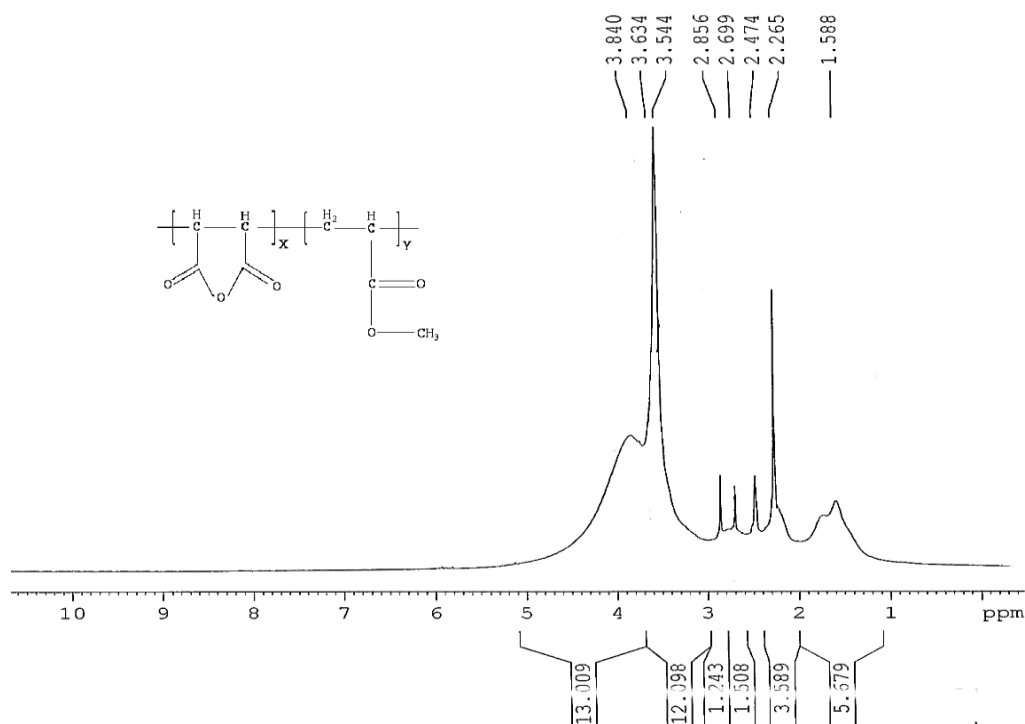
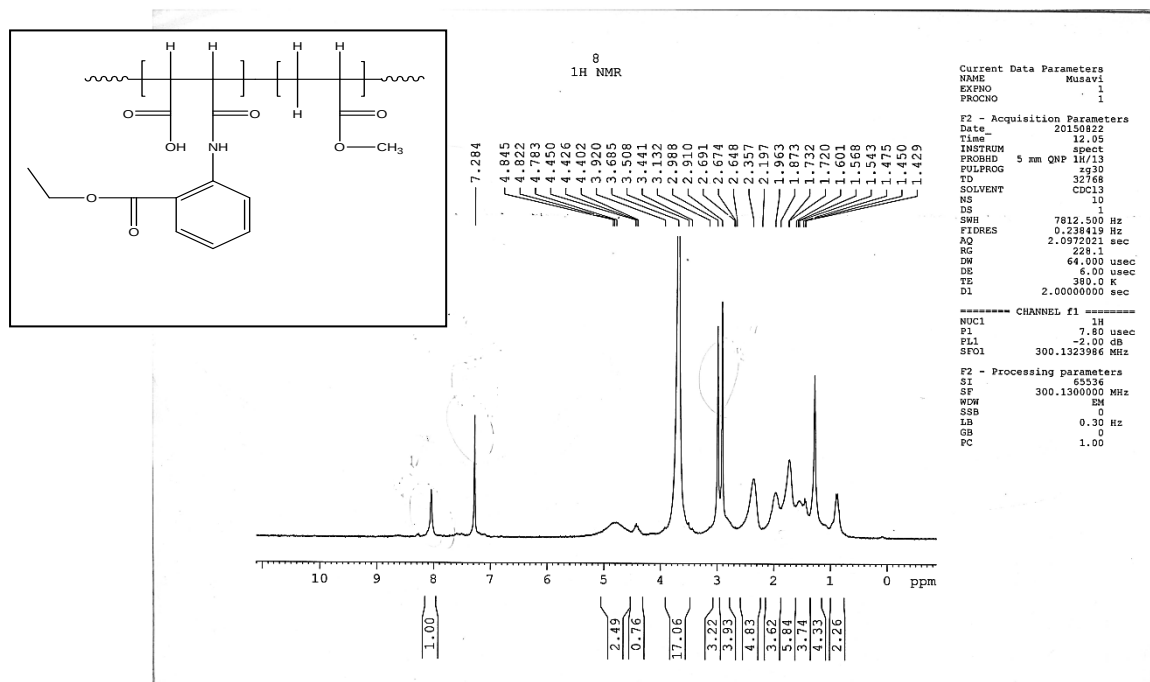
Figure(7): FT-IR spectra for Copolymer V (MAN- BA)

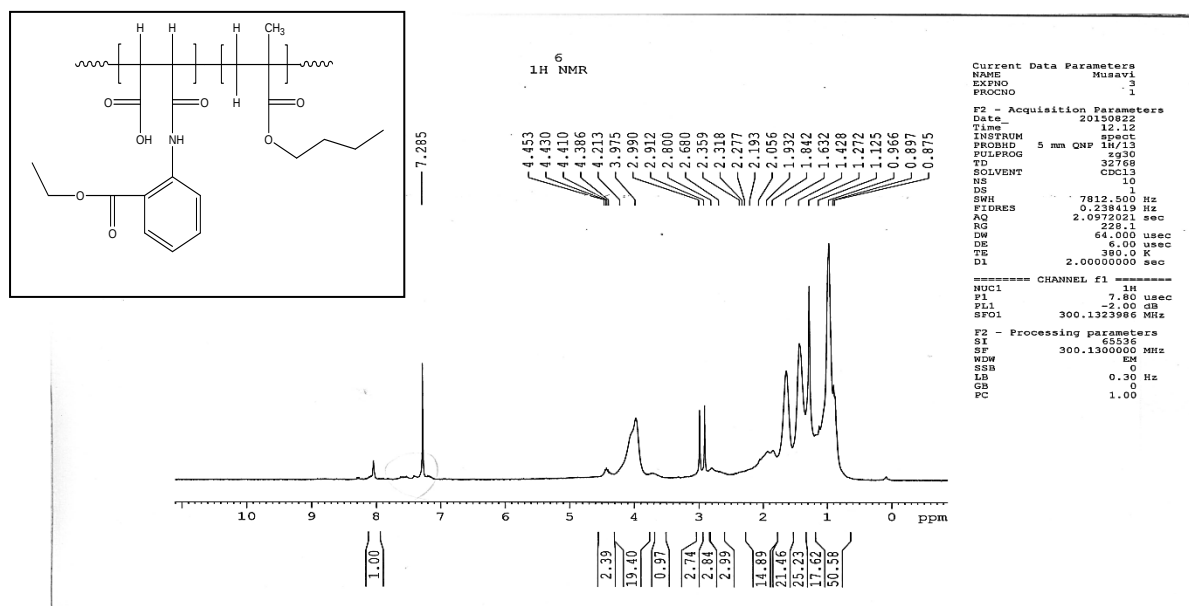


Figure(8): FT-IR spectra for Copolymer V (MAN- BA) after modification with 2-amino ethyl benzoate groups

Figure(9):(^1H NMR) spectra for Copolymer I (MAN-MMA)Figure(10):(^1H NMR) spectra for Copolymer I (MAN-MMA) after modification with 2-amino ethyl benzoate groups

Figure(11):(¹H NMR) spectra for Copolymer II (MAN-EMA)Figure(12):(¹H NMR) spectra for Copolymer II (MAN-EMA) after modification with 2-amino ethyl benzoate groups

Figure(13):(¹H NMR) spectra for Copolymer III (MAN-MA)Figure(14):(¹H NMR) spectra for Copolymer III (MAN-MA) after modification with 2-amino ethyl benzoate groups



Figure(15):(¹HNMR) spectra for Copolymer V (MAN-BA) after modification with 2-amino ethyl benzoate groups