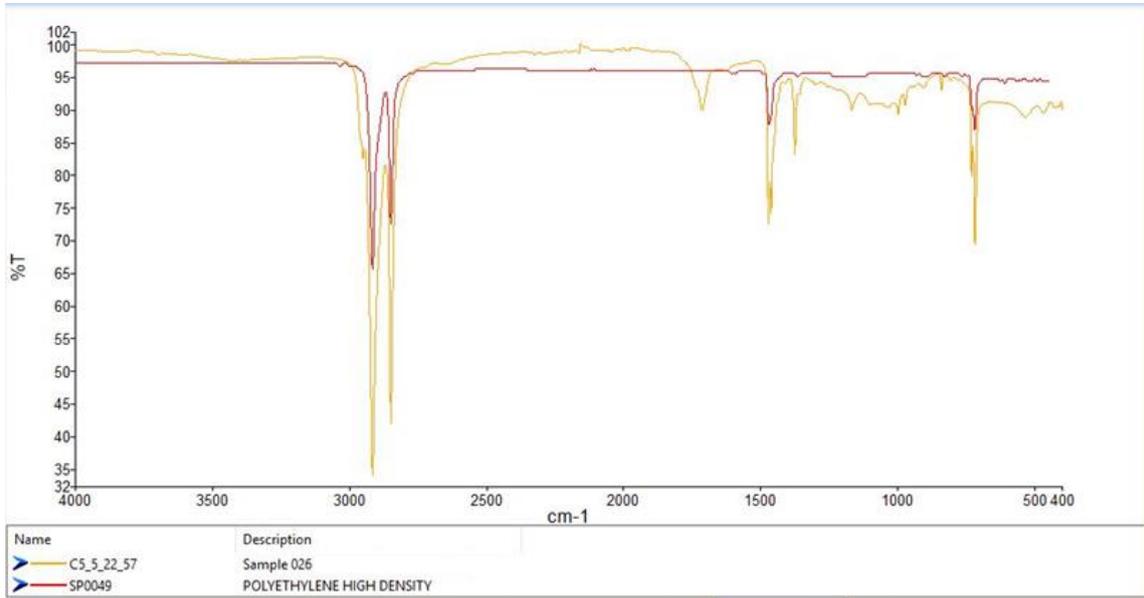


Orange spectra - microplastic (polyethylene (PE)) in water sample

Red spectra - best hit library reference spectra

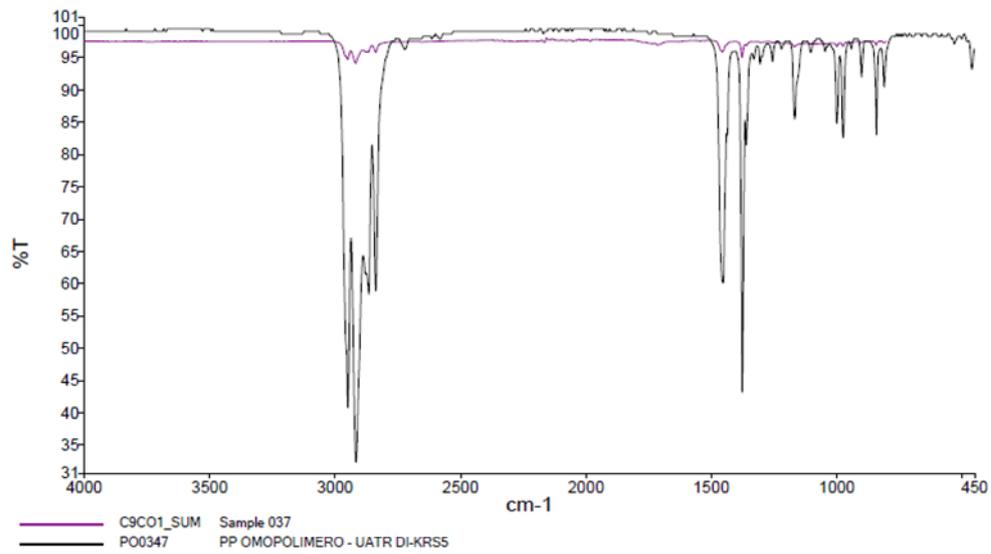


Sample Name	Search Best Hit	Search Best Hit Description	Search Score	Search Reference Spectrum Description
C5_5_22_57	SP0049	POLYETHYLENE HIGH DENSITY	1 0.97955	POLYETHYLENE HIGH DENSITY
			2 0.97955	POLYETHYLENE HIGH DENSITY
			3 0.978054	POLYETHYLENE, OXIDIZED ACID NUMBER 15 MG KOH/G
			4 0.978054	POLYETHYLENE, OXIDIZED ACID NUMBER 15 MG KOH/G
			5 0.977118	CERA ETILENICA-OLEFINICA
			6 0.972581	POLIETILENE BASSA DENSITA' + TiO2
			7 0.968685	POLIETILENE MR 10 - LDPE (POLIMERI EUROPA)
			8 0.968223	POLIETILENE BASSA DENSITA'
			9 0.968066	HDPE BASELL - POLIETILENE ALTA DENSITA'
			10 0.961841	DUTRAL TER 4033 - GOMMA EPDM CON 25% PROPILENE (POLIMERI EUROPA)

Figure S1. FTIR analysis of MP from water samples.

Purple spectra - microplastic (polypropylene (PP)) in zooplanktonic sample

Black spectra - best hit library reference spectra



Source Spectra		
Sample Name	Search Best Hit	Search Best Hit Description
C9C01_SUM	PO0347	PP OMOPOLIMERO - UATR DI-KRSS

Searched References	
Search Score	Search Reference Spectrum Description
0.964985	PP OMOPOLIMERO - UATR DI-KRSS
0.96322	PP RACO (RANDOM COPOLIMER) - UATR DI-KRSS
0.957343	POLYPROPYLENE, ISOTACTIC
0.957343	POLYPROPYLENE, ISOTACTIC
0.954712	POLIPROPILENE + CARBONATO DI CALCIO
0.954506	POLIPROPILENE ISOTATTICO - ATR CRISTALLO GE
0.949696	PP - POLIPROPILENE GRANULO - SPETTRO IN UATR
0.948387	POLYPROPYLENE, ISOTACTIC
0.948387	POLYPROPYLENE, ISOTACTIC
0.945678	FILM PP BIORIENTATO

Figure S2. FTIR analysis of MP from zooplanktonic samples.