A Short-Cut Data Mining Method for the Mass Spectrometric Characterization of Block Copolymers

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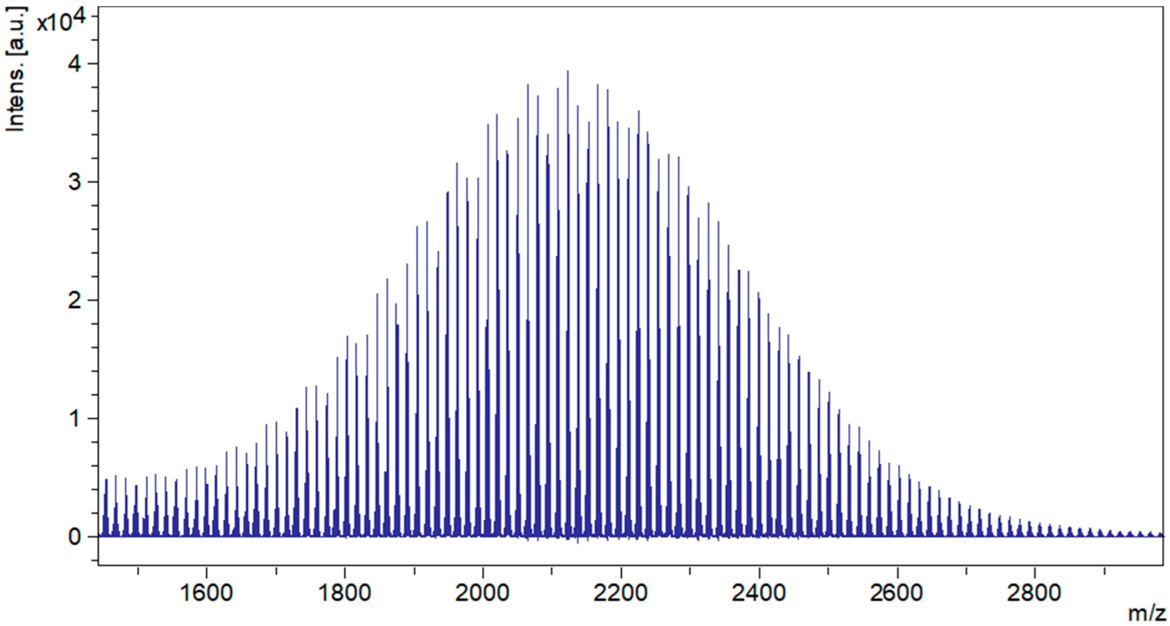

Fig. S1. MALDI-TOF mass spectrum of sample RPE-1720-1

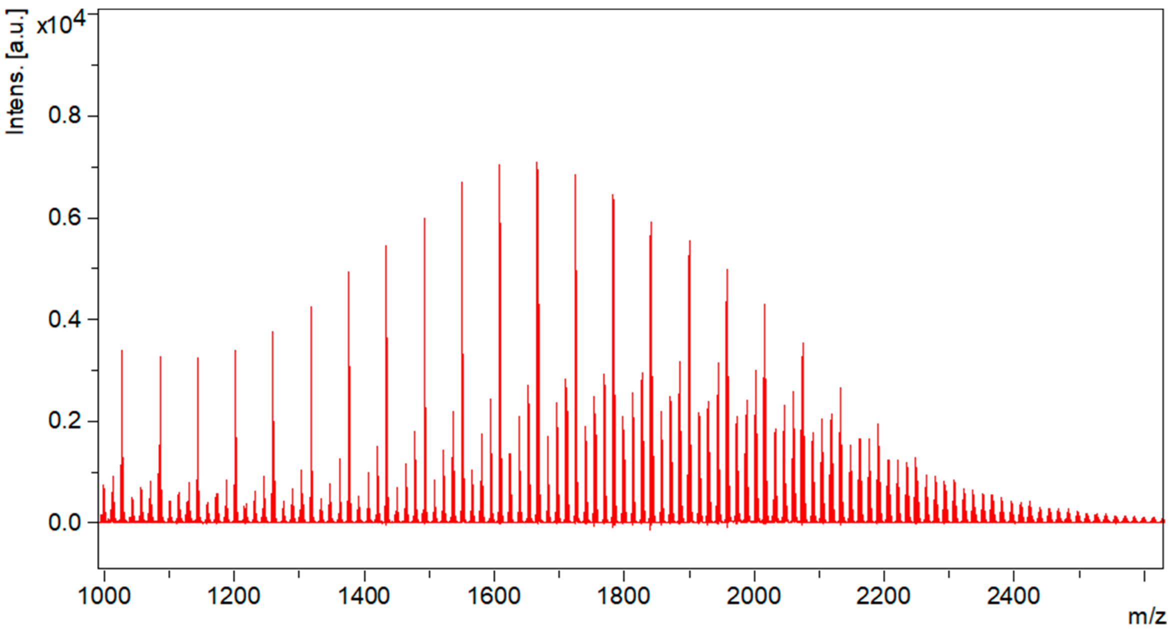

Fig. S2. MALDI-TOF mass spectrum of sample PE-6100-1

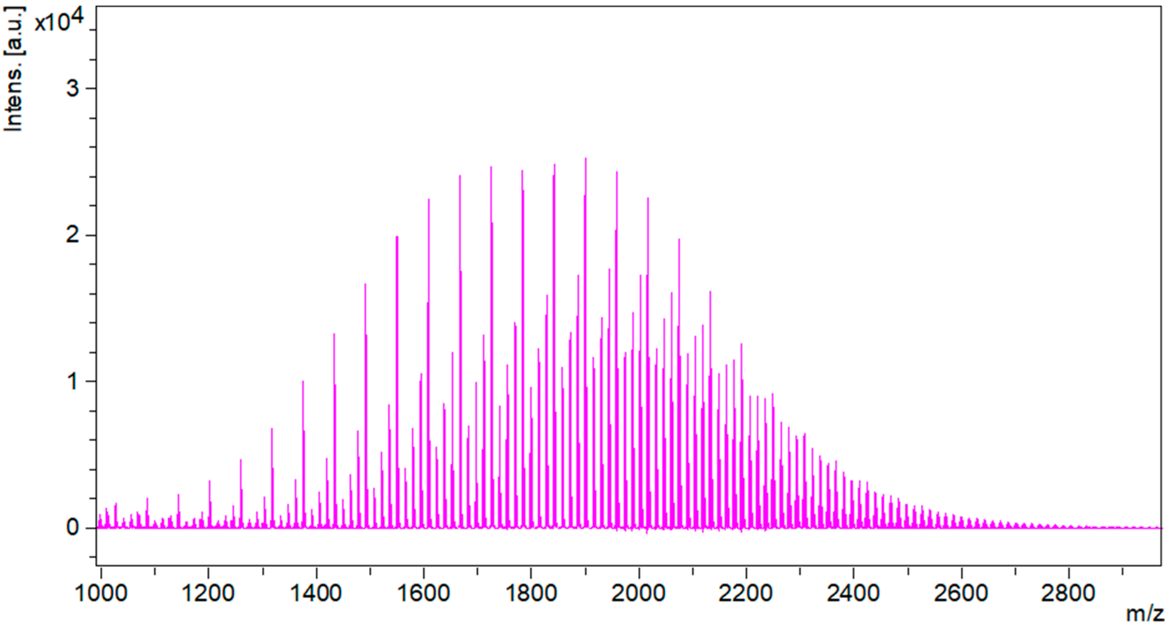

Fig. S3. MALDI-TOF mass spectrum of sample PE-6100-2

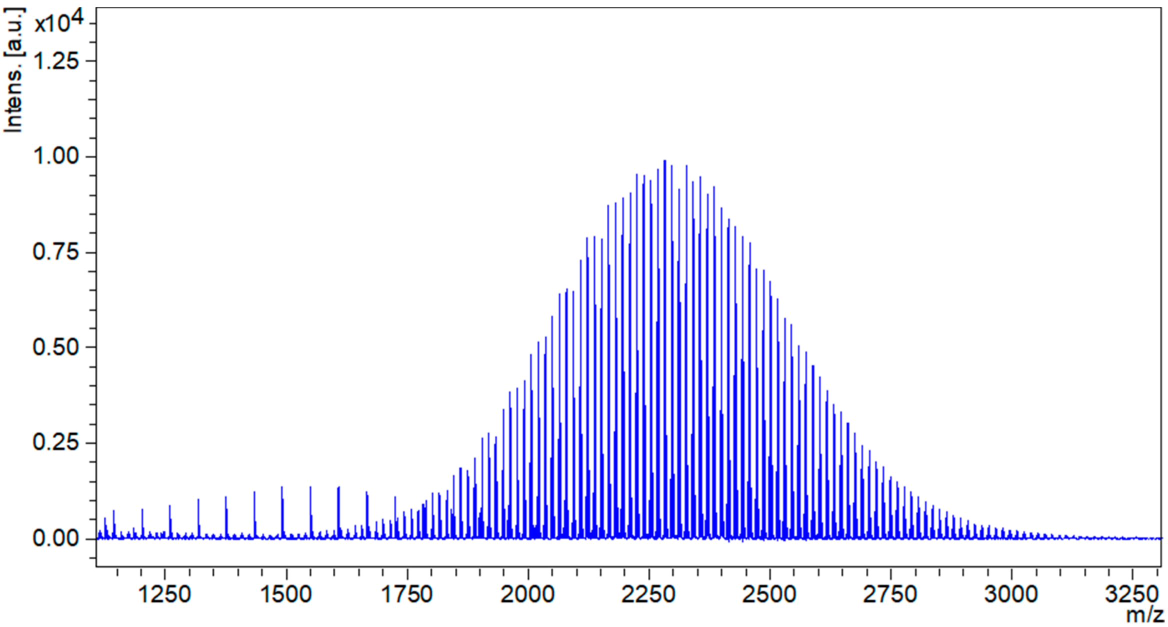

Fig. S4. MALDI-TOF mass spectrum of sample RPE-1720-2

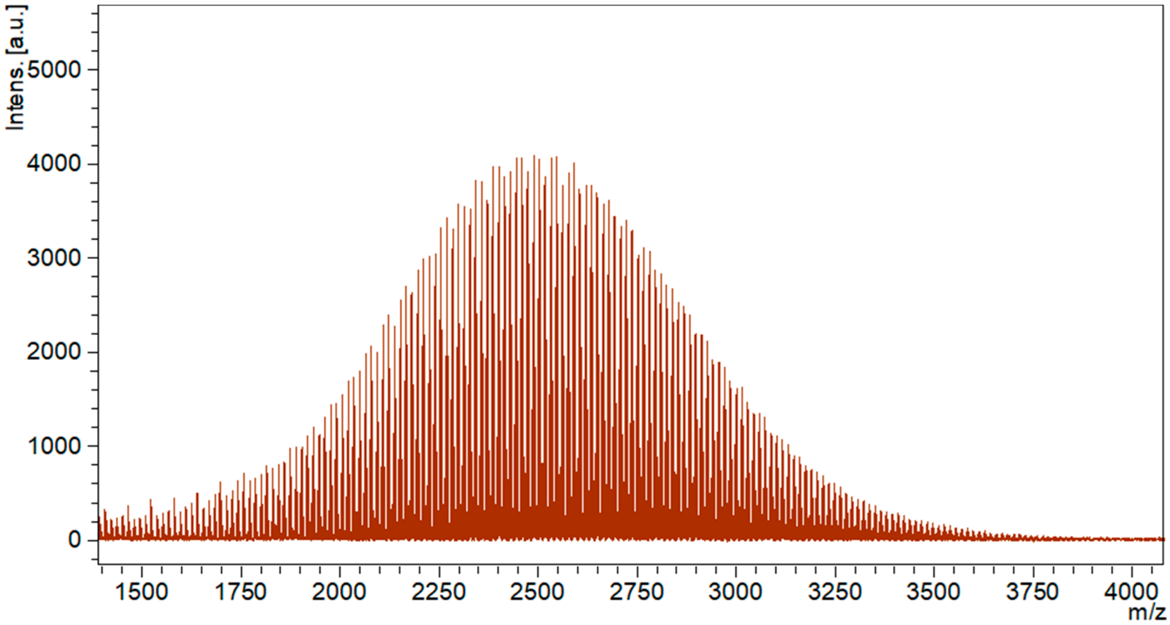

Fig. S5. MALDI-TOF mass spectrum of sample PE-6200

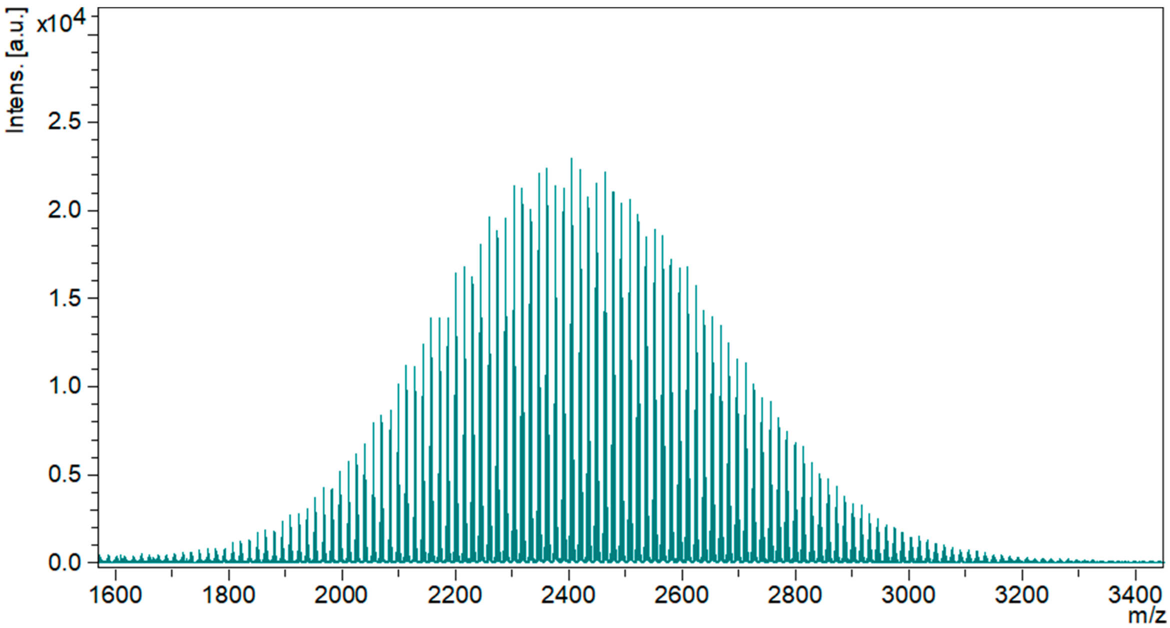

Fig. S6. MALDI-TOF mass spectrum of sample RPE-1740

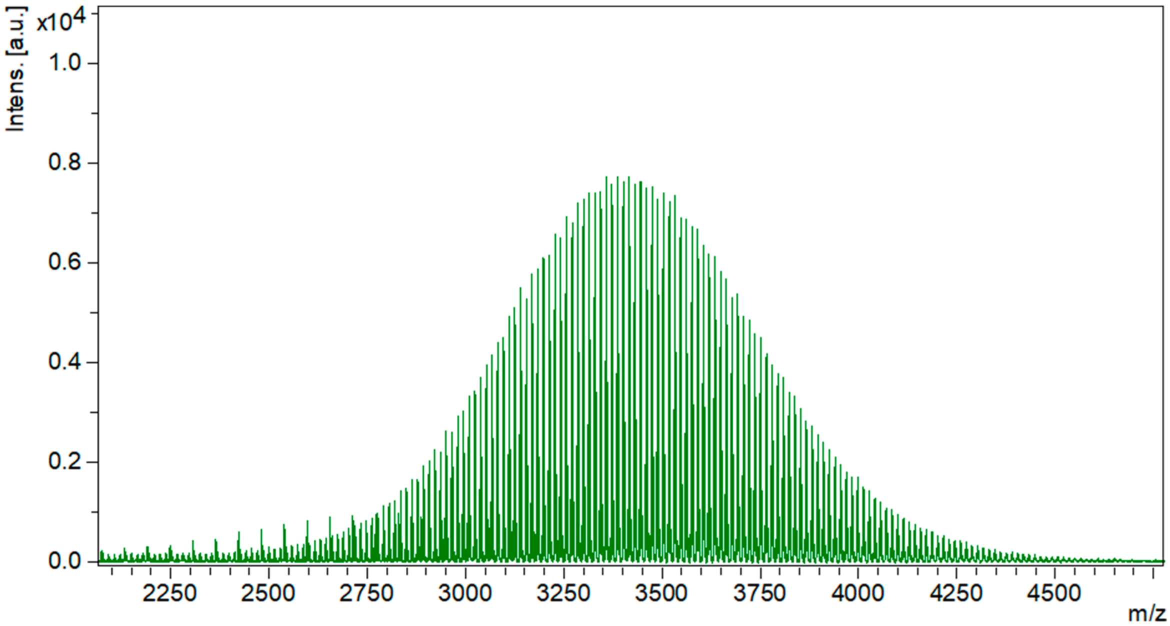

Fig. S7. MALDI-TOF mass spectrum of sample RPE-3110

Table S1. The constants of the polynomials originated from the intensities of isotopic peaks as a function of C atom number.

	a	b	c	d	e	R^2
m/z (monoisotopic peak)	8.17E-11	-9.56E-08	4.42E-05	-1.00E-02	9.89E-01	1.000
m/z+1	-1.85E-10	1.88E-07	-6.61E-05	8.26E-03	3.72E-02	0.997
m/z+2	6.02E-11	-3.44E-08	-1.68E-06	2.79E-03	-3.93E-02	0.996
m/z+3	7.30E-11	-6.85E-08	1.83E-05	-5.60E-04	4.93E-03	1.000
m/z+4	5.78E-12	-1.66E-08	8.25E-06	-5.65E-04	9.10E-03	1.000
m/z+5	-2.10E-11	1.15E-08	-8.47E-08	-6.47E-05	1.67E-03	1.000
m/z+6	-1.51E-11	1.19E-08	-1.87E-06	1.02E-04	-1.47E-03	1.000
m/z+7	-4.39E-12	5.14E-09	-1.07E-06	7.19E-05	-1.21E-03	1.000
m/z+8	8.87E-13	7.83E-10	-2.59E-07	2.14E-05	-4.01E-04	1.000
m/z+9	1.85E-12	-5.86E-10	5.80E-08	-1.70E-06	5.67E-06	1.000
m/z+10	1.29E-12	-6.05E-10	9.76E-08	-5.84E-06	9.16E-05	1.000
m/z+11	6.46E-13	-3.44E-10	6.14E-08	-4.00E-06	6.67E-05	0.999
m/z+12	2.66E-13	-1.51E-10	2.83E-08	-1.91E-06	3.28E-05	0.998

Table S2. The constants of polynomials originated from the intensities of isotopic peaks as a function of O atom number.

	a	b	c	d	e	R^2
m/z	6.63E-13	-1.43E-09	2.10E-06	-2.05E-03	1.00E+00	1.000
m/z+2	-2.59E-12	4.27E-09	-4.20E-06	2.05E-03	1.61E-07	1.000
m/z+4	3.73E-12	-4.25E-09	2.10E-06	-2.05E-06	-3.14E-07	1.000
m/z+6	-2.28E-12	1.39E-09	-1.89E-09	-4.26E-08	3.01E-07	1.000
m/z+8	4.27E-13	2.30E-11	-1.12E-09	2.09E-08	-1.38E-07	1.000
m/z+10	5.15E-14	-4.39E-12	1.73E-10	-3.16E-09	2.05E-08	1.000