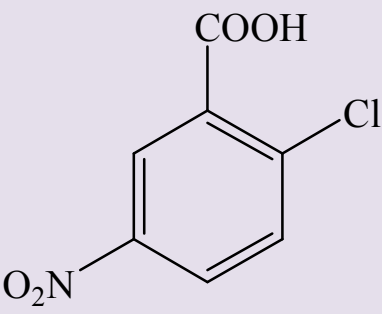
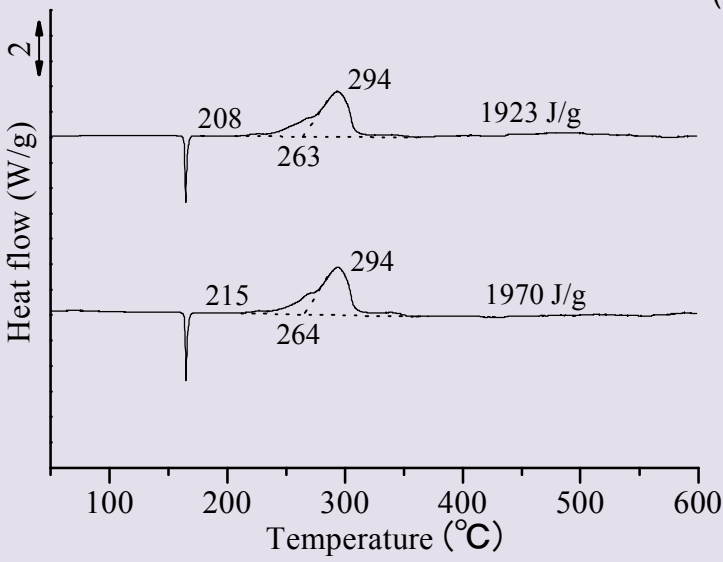
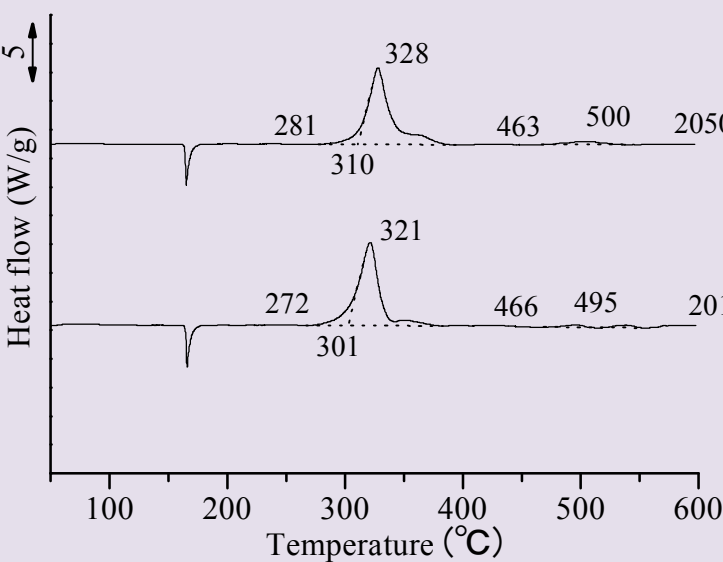
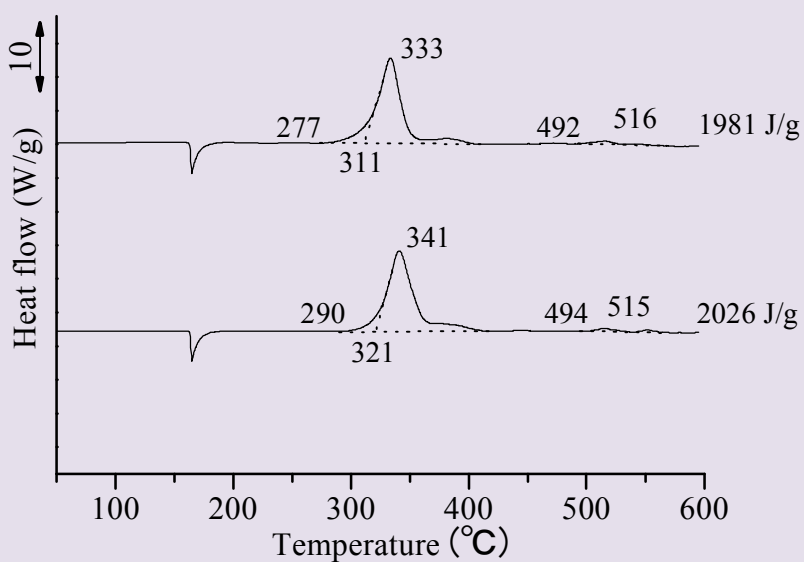


2-chloro-5-nitrobenzoic acid	$C_7H_4ClNO_4$ CNBA
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: AlfaAesar ($\geq 98\%$)
a) 2 K/min AlfaAesar: AlfaAesar社 (販売 和光純薬工業株式会社)	
	<Average> T_a : 108 °C T_o : 264 °C T_{top} : 294 °C Q_{DSC} : 1947 J/g
b) 5 K/min	
	<Average> T_a : 277 °C T_o : 306 °C T_{top} : 325 °C Q_{DSC} : 2035 J/g

c) 10 K/min



<Average>

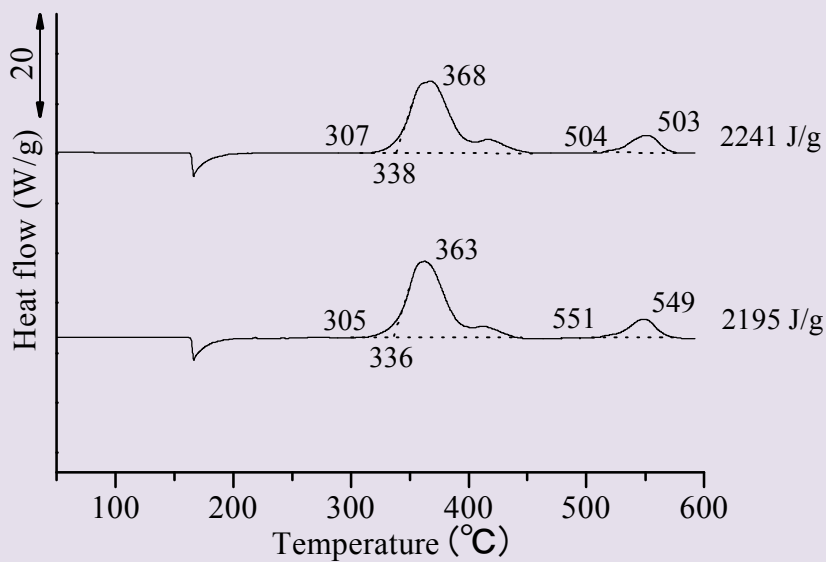
T_a : 284 °C

T_o : 316 °C

T_{top} : 337 °C

Q_{DSC} : 2004 J/g

d) 20 K/min



<Average>

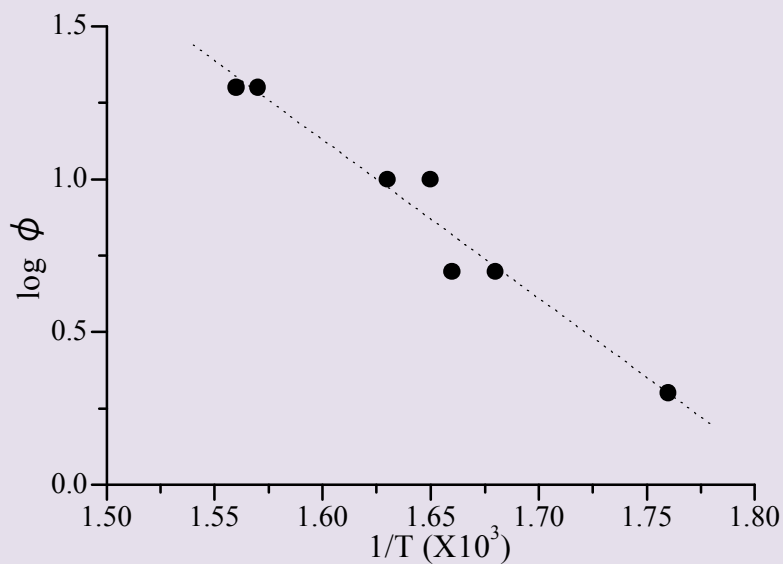
T_a : 306 °C

T_o : 337 °C

T_{top} : 366 °C

Q_{DSC} : 2218 J/g

ASTM PLOT



Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	294	567	1.76	0.301
	294	567	1.76	0.301
5	328	601	1.66	0.699
	321	594	1.68	0.699
10	333	606	1.65	1.00
	341	614	1.63	1.00
20	368	641	1.56	1.30
	363	636	1.57	1.30