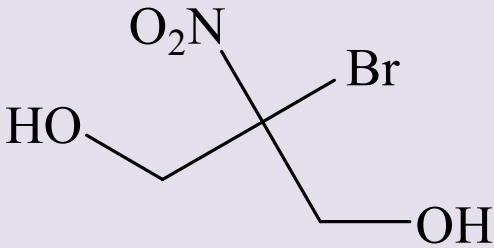
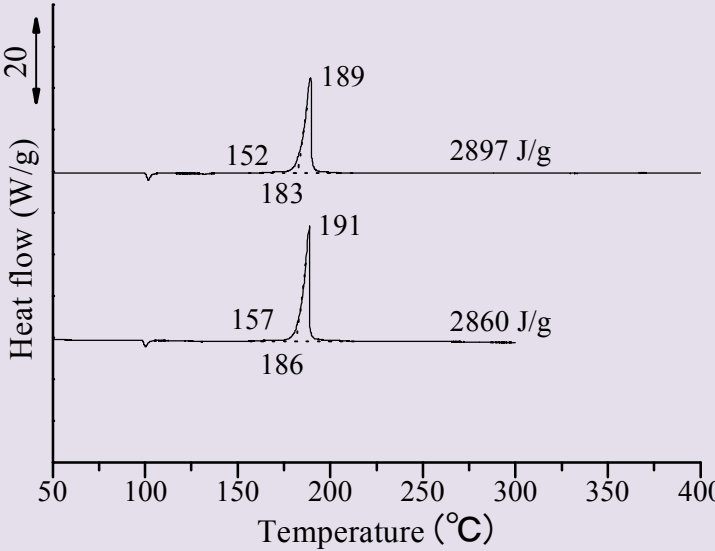
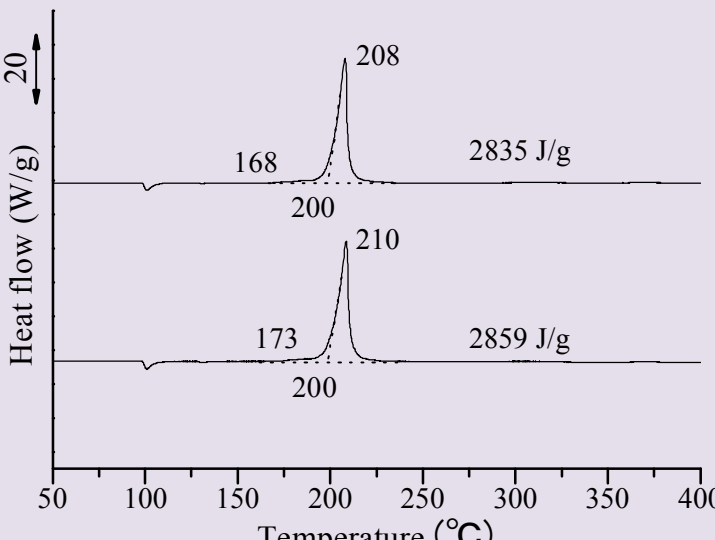
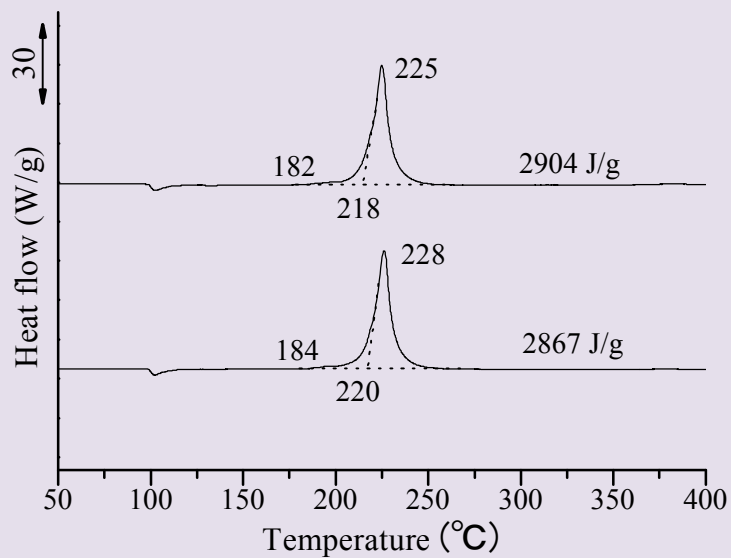


2-Bromo-2-nitropropane-1,3-diol	$C_3H_6BrNO_4$ BNP
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: fluorochem (> 98%)
a) 2 K/min fluorochem: fluorochem社 (販売 和光純薬工業株式会社)	
	<Average> T_a : 155 °C T_o : 185 °C T_{top} : 190 °C Q_{DSC} : 2879 J/g
b) 5 K/min	
	<Average> T_a : 171 °C T_o : 200 °C T_{top} : 209 °C Q_{DSC} : 2847 J/g

c) 10 K/min



<Average>

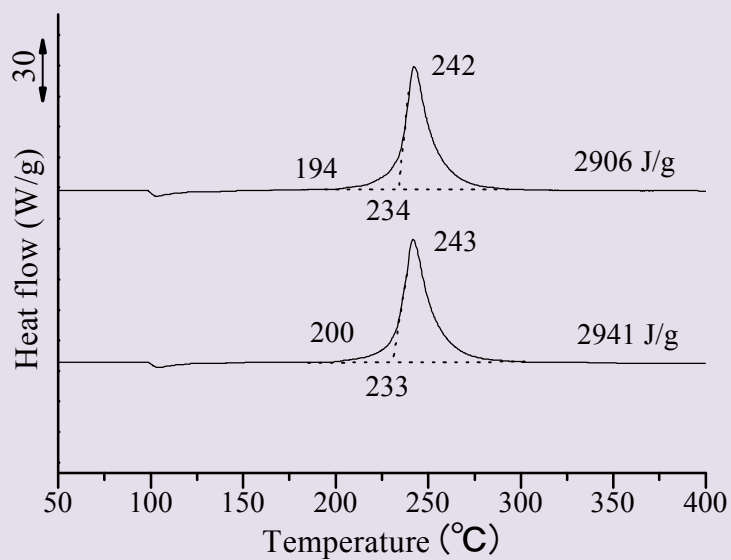
T_a : 183 °C

T_o : 219 °C

T_{top} : 227 °C

Q_{DSC} : 2886 J/g

d) 20 K/min



<Average>

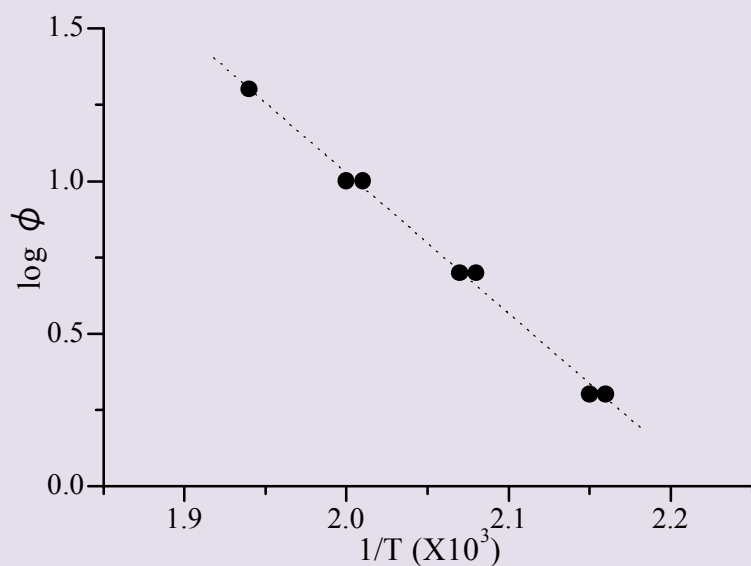
T_a : 197 °C

T_o : 234 °C

T_{top} : 243 °C

Q_{DSC} : 2924 J/g

ASTM PLOT



Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log(\phi/T_m^2)$
2	189	462	2.16	0.301
	191	464	2.15	0.301
5	208	481	2.08	0.699
	210	483	2.07	0.699
10	225	498	2.01	1.00
	228	501	2.00	1.00
20	242	515	1.94	1.30
	243	516	1.94	1.30