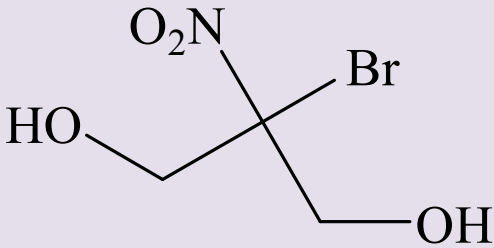
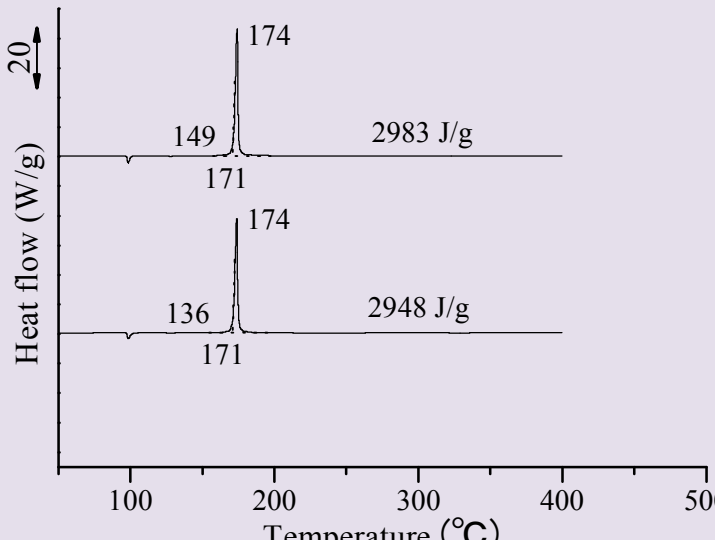
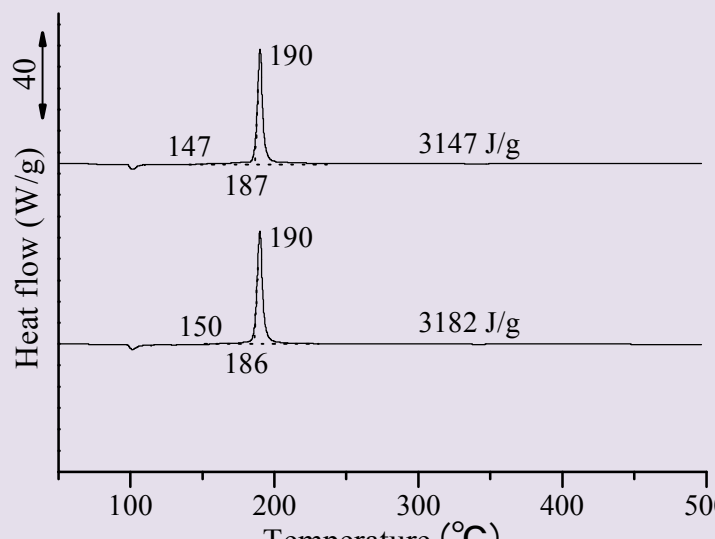
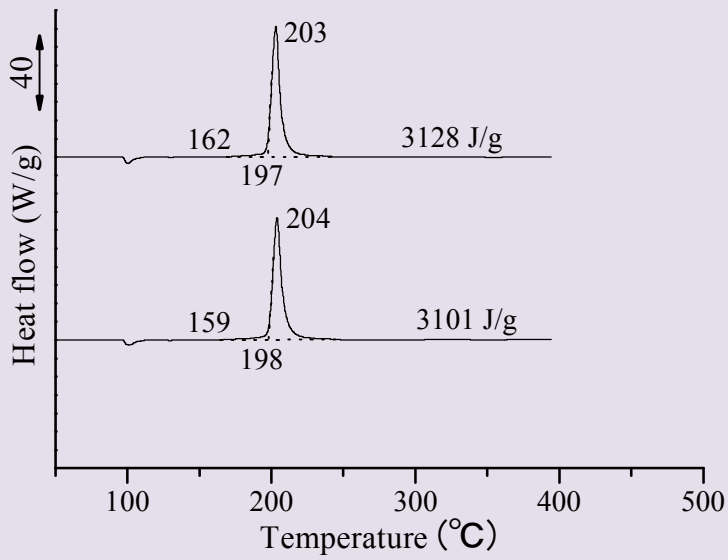


2-Bromo-2-nitropropane-1,3-diol	$C_3H_6BrNO_4$ BNP
	DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: fluorochem (> 98%)
a) 2 K/min	
	fluorochem: fluorochem社 (販売 和光純薬工業株式会社)  <Average> $T_a$ : 143 °C $T_o$ : 171 °C $T_{top}$ : 174 °C $Q_{DSC}$ : 2966 J/g
b) 5 K/min	
	<Average> $T_a$ : 149 °C $T_o$ : 187 °C $T_{top}$ : 190 °C $Q_{DSC}$ : 3165 J/g

c) 10 K/min



<Average>

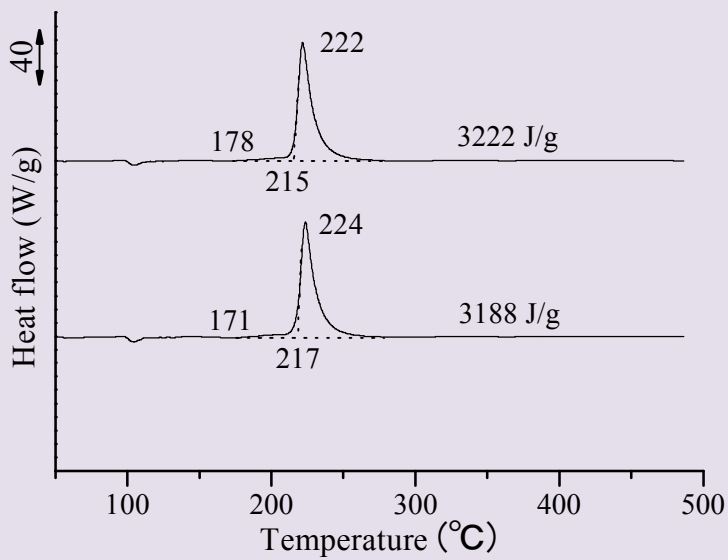
$T_a$  : 161 °C

$T_o$  : 198 °C

$T_{top}$  : 204 °C

$Q_{DSC}$  : 3115 J/g

d) 20 K/min



<Average>

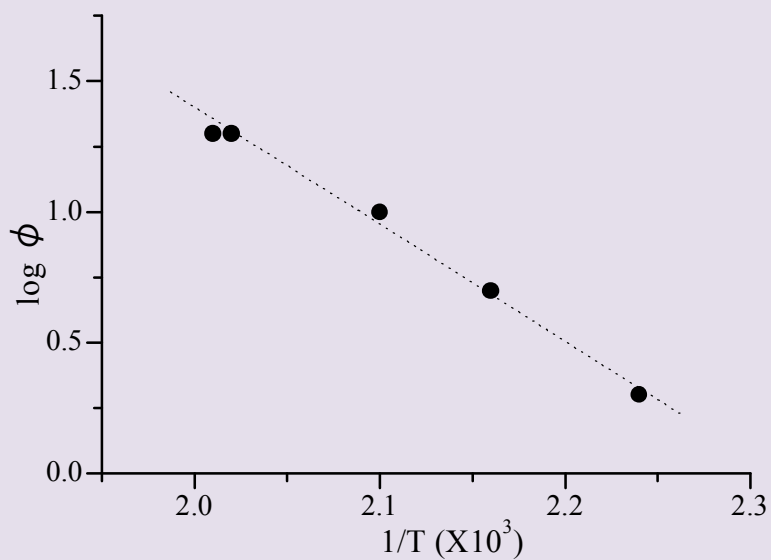
$T_a$  : 175 °C

$T_o$  : 216 °C

$T_{top}$  : 223 °C

$Q_{DSC}$  : 3205 J/g

## ASTM PLOT



Heat rate $\phi$ (K/min)	$T_{\text{peak}}$ (°C)	$T_m$ (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	174	447	2.24	0.301
	174	447	2.24	0.301
5	190	463	2.16	0.699
	190	463	2.16	0.699
10	203	476	2.10	1.00
	204	477	2.10	1.00
20	222	495	2.02	1.30
	224	497	2.01	1.30