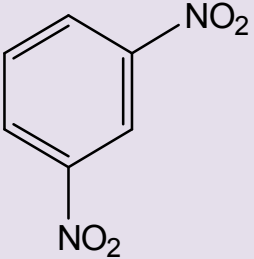
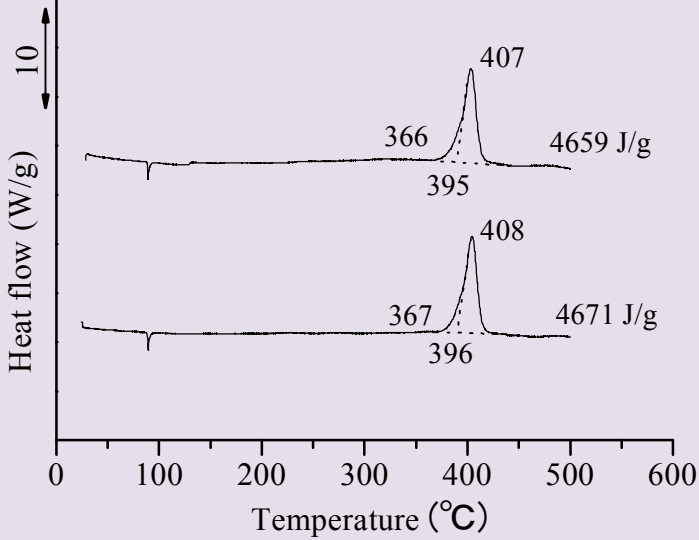
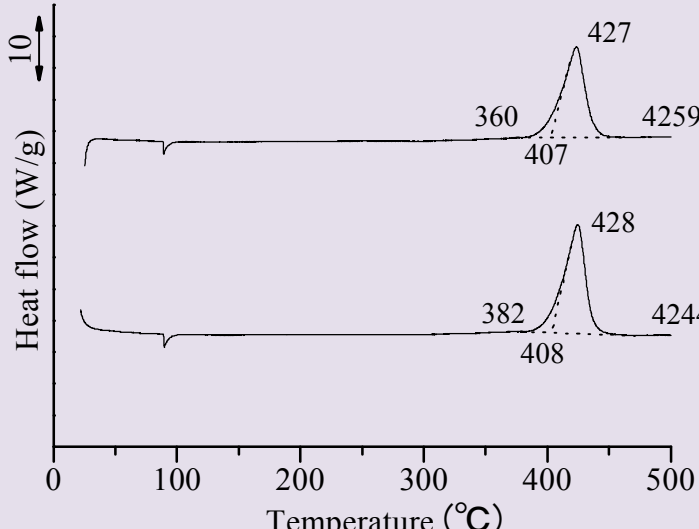
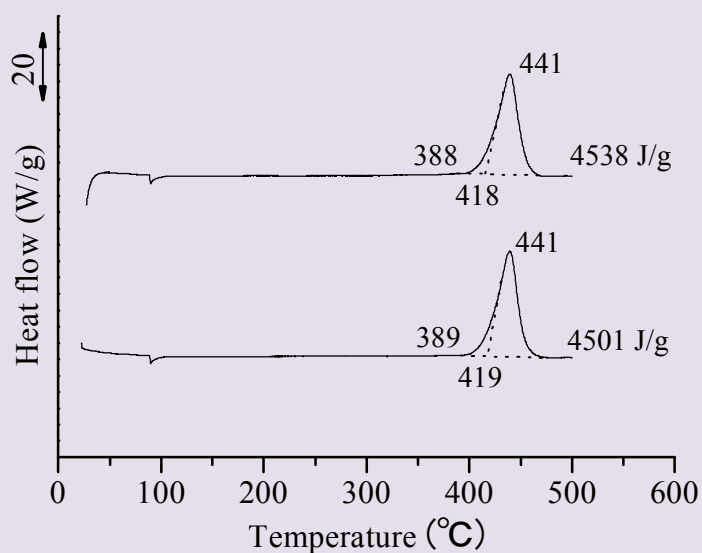


m-dinitrobenzene	$C_6H_4(NO_2)_2$ DNB
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako (> 99.0%)
a) 2 K/min Wako: 和光純薬工業株式会社	
	<Average> T_a : 367 °C T_o : 396 °C T_{top} : 408 °C Q_{DSC} : 4665 J/g
b) 5 K/min	
	<Average> T_a : 371 °C T_o : 408 °C T_{top} : 428 °C Q_{DSC} : 4252 J/g

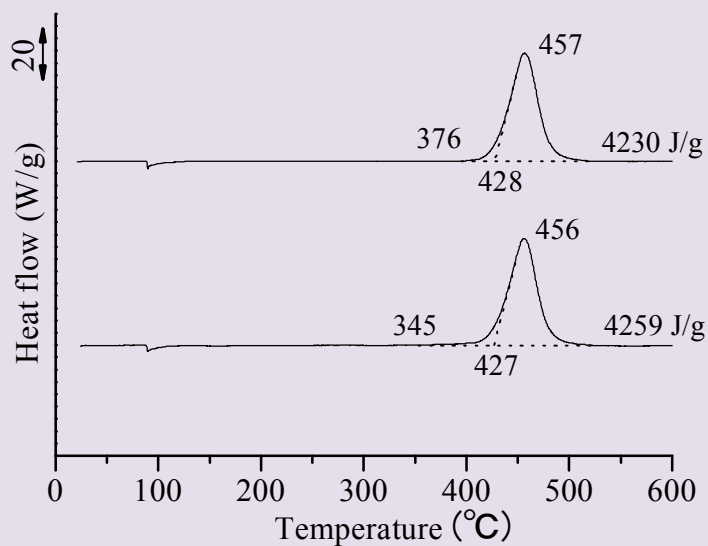
c) 10 K/min



< Average >

T_a : 389 °C
 T_o : 419 °C
 T_{top} : 441 °C
 Q_{DSC} : 4520 J/g

d) 20 K/min



< Average >

T_a : 361 °C
 T_o : 428 °C
 T_{top} : 457 °C
 Q_{DSC} : 4245 J/g

ASTM PLOT

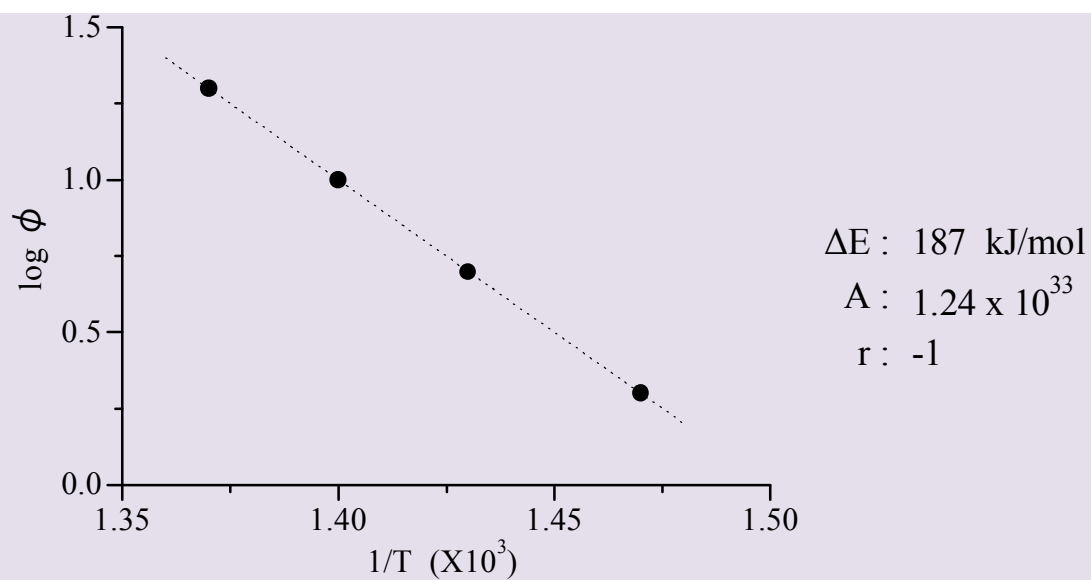


Table (ASTM)

Heat rate ϕ (K/min)	T_{peak} (°C)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	407	680	1.47	0.301
	408	681	1.47	0.301
5	427	700	1.43	0.699
	428	701	1.43	0.699
10	441	714	1.40	1.00
	441	714	1.40	1.00
20	457	730	1.37	1.30
	456	729	1.37	1.30