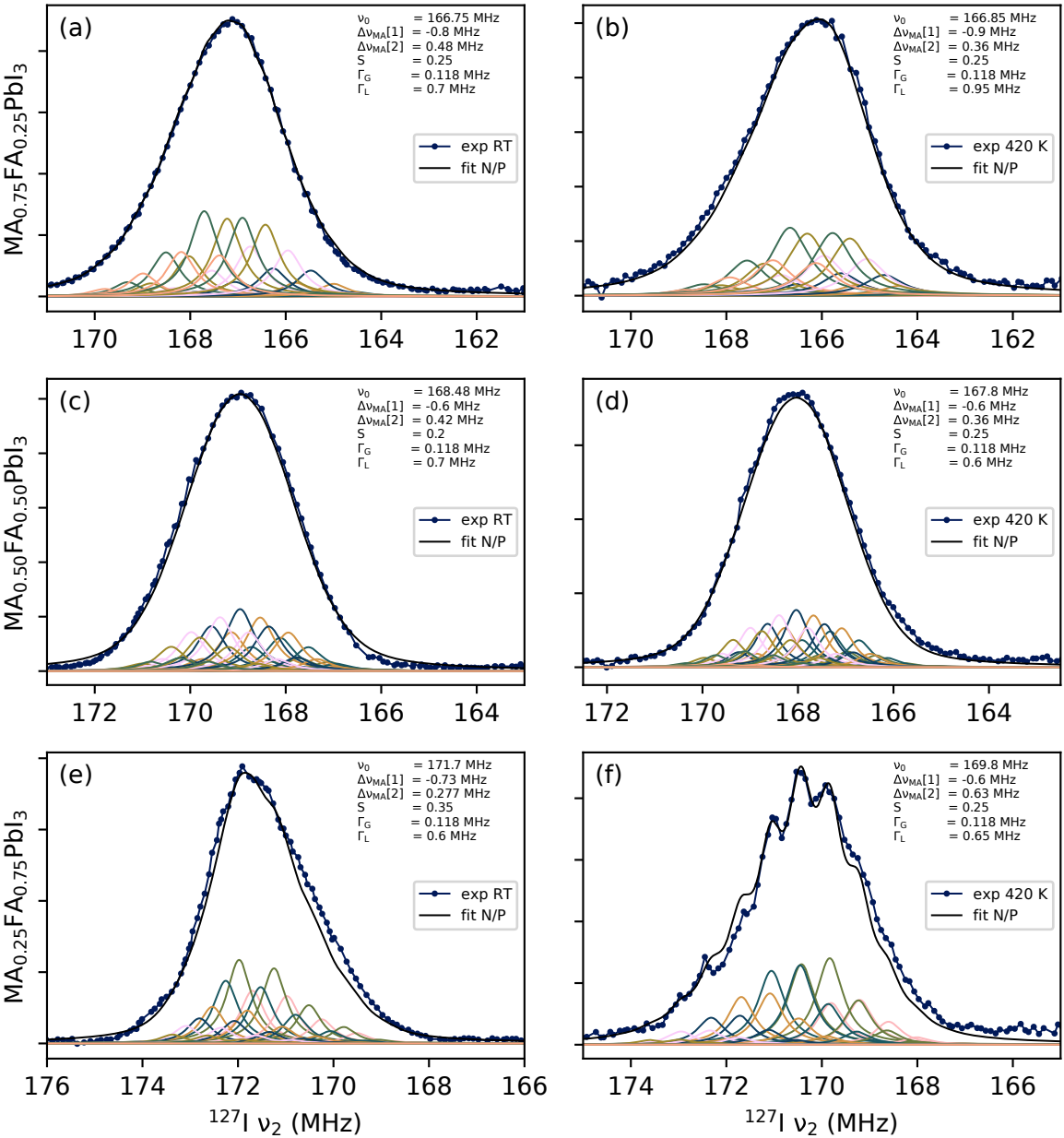
(a)
ν_0 = 166.75 MHz
$\Delta\nu_{MA}[1]$ = -0.8 MHz
$\Delta\nu_{MA}[2]$ = 0.48 MHz
S = 0.25
Γ_G = 0.118 MHz
Γ_L = 0.7 MHz
exp RT
fit N/P
$MA_{0.75}FA_{0.25}PbI_3$
(b)
ν_0 = 166.85 MHz
$\Delta\nu_{MA}[1]$ = -0.9 MHz
$\Delta\nu_{MA}[2]$ = 0.36 MHz
S = 0.25
Γ_G = 0.118 MHz
Γ_L = 0.95 MHz
exp 420 K
fit N/P
(c)
ν_0 = 168.48 MHz
$\Delta\nu_{MA}[1]$ = -0.6 MHz
$\Delta\nu_{MA}[2]$ = 0.42 MHz
S = 0.2
Γ_G = 0.118 MHz
Γ_L = 0.7 MHz
exp RT
fit N/P
$MA_{0.50}FA_{0.50}PbI_3$
(d)
ν_0 = 167.8 MHz
$\Delta\nu_{MA}[1]$ = -0.6 MHz
$\Delta\nu_{MA}[2]$ = 0.36 MHz
S = 0.25
Γ_G = 0.118 MHz
Γ_L = 0.6 MHz
exp 420 K
fit N/P
(e)
ν_0 = 171.7 MHz
$\Delta\nu_{MA}[1]$ = -0.73 MHz
$\Delta\nu_{MA}[2]$ = 0.277 MHz
S = 0.35
Γ_G = 0.118 MHz
Γ_L = 0.6 MHz
exp RT
fit N/P
$MA_{0.25}FA_{0.75}PbI_3$
(f)
ν_0 = 169.8 MHz
$\Delta\nu_{MA}[1]$ = -0.6 MHz
$\Delta\nu_{MA}[2]$ = 0.63 MHz
S = 0.25
Γ_G = 0.118 MHz
Γ_L = 0.65 MHz
exp 420 K
fit N/P
^{127}I ν_2 (MHz)
^{127}I ν_2 (MHz)