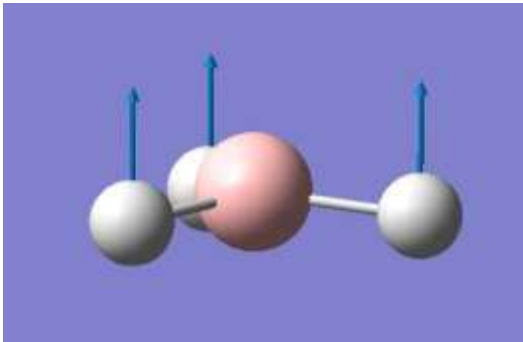
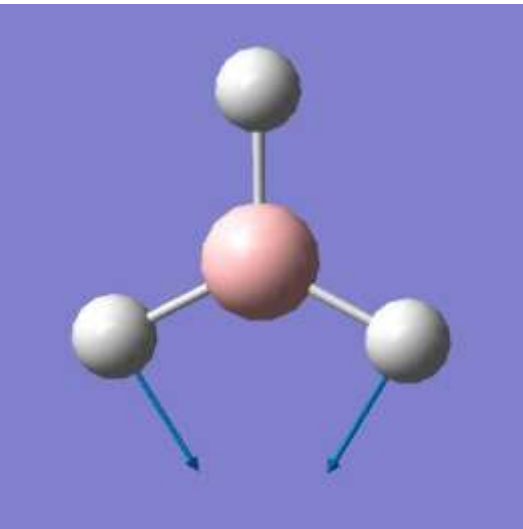
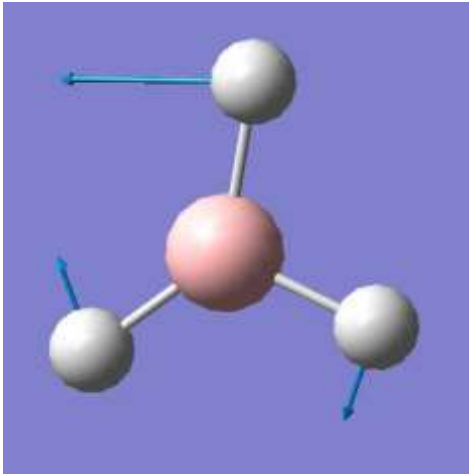
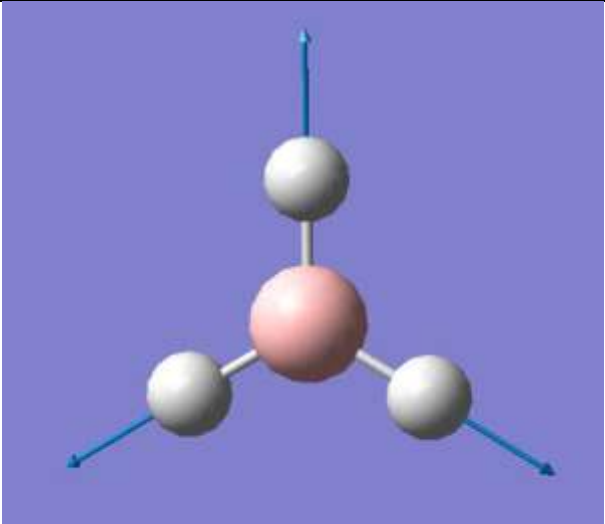
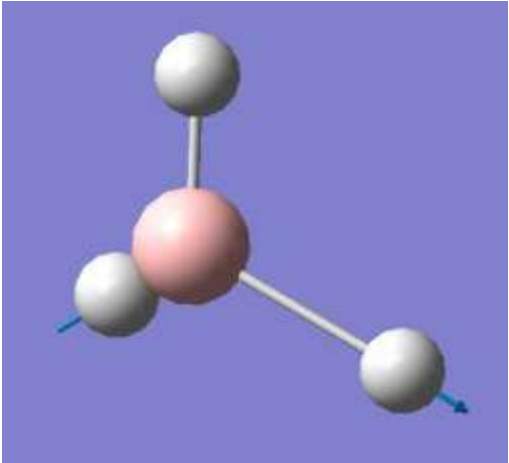
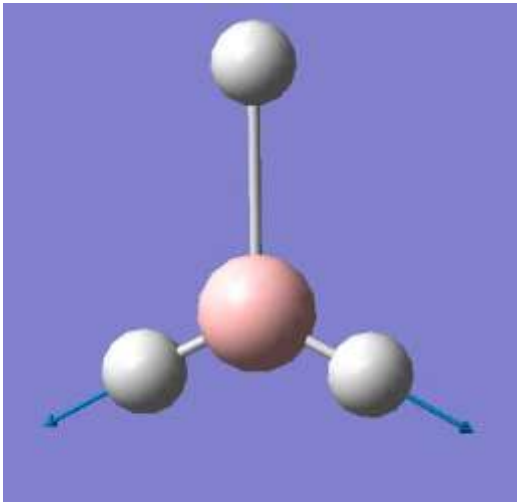


No.	Vibration Description	Frequency (cm ⁻¹)	Intensity	Symmetry Label
1	 H atoms move up and down together in a concerted motion, with B moving up & down in the opposite direction.	1145.71	92.6991	A ₂ ''
2	 2 of the H atoms 'wag' towards & away from each other, with B-H fairly stationary	1204.66	12.3789	A ₂ '
3	 2 H wag towards and away from each other, the other H left and right and the B remaining fairly stationary.	1204.66	12.3814	E''

4	 All H atoms move in and out together in a concerted motion, B stationary.	2592.79	0	A_1'
5	 2 H move in and out from the B which is vibrating slightly from left to right, remaining H remains stationary	2731.31	103.837	A_2''
6	 1 H moving up and down from B with higher displacement than the other 2 H which are moving in and out from the B (2 H are min displacement when other H is maximum displacement,	2731.31	103.83	A_1''