Table 3. The coordination tables of cations. The bold numbers on the diagonals are the bond distances (Å), the numbers above the diagonal the bond angles (^{o}), and the numbers below the diagonal the ligand – ligand distances.

Atom **Bi1**

	S1	**S2**	**S2**	**I1**	**I1**	**I1**	**I1**
S1	**2.556(5)**	90.4(1)	90.4(1)	80.5(1)	80.5(1)	145.1(1)	145.1(1)
S2	3.704(5)	**2.664(2)**	100.8(2)	163.6(1)	92.9(1)	122.6(1)	73.6(1)
S2	3.704(5)	4.105(1)	**2.664(2)**	92.9(1)	163.6(1)	73.6(1)	122.6(1)
I1	3.964(4)	6.084(3)	4.490(4)	**3.482(1)**	72.2(0)	69.9(0)	106.5(0)
I1	3.964(4)	4.490(4)	6.084(3)	4.105(1)	**3.482(1)**	106.5(0)	69.9(0)
I1	6.125(5)	5.743(3)	4.016(5)	4.212(2)	5.881(2)	**3.852(1)**	64.4(0)
I1	6.125(5)	4.016(5)	5.743(3)	5.881(2)	4.212(2)	4.105(1)	**3.852(1)**

Atom **Bi2A**

	S3	**S3**	**S3**	**I3**	**I3**	**I2**	**I2**
S3	**2.624(6)**	82.5(2)	82.5(2)	80.8(1)	80.8(1)	145.5(1)	145.5(1)
S3	3.534(5)	**2.735(3)**	97.2(2)	161.6(1)	88.2(1)	74.0(1)	124.7(1)
S3	3.534(5)	4.105(1)	**2.735(3)**	88.2(1)	161.6(1)	124.7(1)	74.0(1)
I3	3.756(4)	5.800(3)	4.097(4)	**3.140(2)**	81.6(1)	117.1(1)	73.7(1)
I3	3.756(4)	4.097(4)	5.800(3)	4.105(1)	**3.140(2)**	73.7(1)	117.1(1)
I2	5.994(5)	3.907(5)	5.667(3)	5.794(2)	4.089(3)	**3.644(3)**	68.6(1)
I2	5.994(5)	5.667(3)	3.907(5)	4.089(3)	5.794(2)	4.105(1)	**3.644(3)**

Atom **Bi2B**

	S3	**S4**	**S4**	**S3**	**S3**	**I2**	**I2**
S3	**2.579(8)**	88.2(2)	88.2(2)	77.5(2)	77.5(2)	143.9(2)	143.9(2)
S4	3.756(4)	**2.811(3)**	93.8(2)	165.4(2)	88.9(1)	124.6(2)	76.2(1)
S4	3.756(4)	4.105(1)	**2.811(3)**	88.9(1)	165.4(2)	76.2(1)	124.6(2)

S3	3.534(5)	5.800(3)	4.097(4)	**3.036(4)**	85.1(2)	69.9(1)	113.8(2)
S3	3.534(5)	4.097(4)	5.800(3)	4.105(1)	**3.036(4)**	113.8(2)	69.9(1)
I2	5.994(5)	5.794(2)	4.089(3)	3.907(5)	5.667(3)	**3.715(6)**	67.1(1)
I2	5.994(5)	4.089(3)	5.794(2)	5.667(3)	3.907(5)	4.105(1)	**3.715(6)**

Atom **Cu1**

	S3	**S1**	**I1**	**I1**
S3	**2.196(5)**	140.3(2)	105.9(1)	105.9(1)
S1	4.185(5)	**2.254(4)**	101.3(1)	101.3(1)
I1	4.043(4)	3.964(4)	**2.847(3)**	92.3(1)
I1	**4.043(4)**	**3.964(4)**	**4.105(1)**	**2**.847(3)

Atom **Cu2A**

	S2	**S1**	**S1**	**I3**
S2	**2.251(6)**	115.8(2)	115.8(2)	85.1(1)
S1	3.839(5)	**2.280(3)**	128.3(2)	91.5(1)
S1	3.839(5)	4.105(1)	**2.280(3)**	91.5(1)
I3	3.633(4)	3.856(4)	3.856(4)	**3.049(4)**

Atom **Cu2B**

	S4	**S1**	**S1**	**S2**
S4	**2.276(18)**	115.6(6)	115.6(6)	83.6(4)
S1	3.856(4)	**2.280(8)**	128.4(6)	89.8(4)
S1	3.856(4)	4.105(1)	**2.280(8)**	89.8(4)
S2	3.633(4)	3.839(5)	3.839(5)	**3.096(15)**

Atom **Cu3**

	S2	**S2**	**S1**	**S1**
S2	**2.521(7)**	158.2(7)	99.1(5)	94.5(5)
S2	4.950(7)	**2.521(7)**	94.5(5)	99.1(5)

S1	3.839(5)	3.704(5)	**2.525(16)**	102.7(5)
S1	3.704(5)	3.839(5)	3.944(5)	**2.525(16)**

Atom **Cu4A**

	S4	**S2**	**I2**	**I2**
S4	**2.157(10)**	108.5(3)	115.3(3)	115.3(3)
S2	3.633(4)	**2.318(9)**	110.6(3)	110.6(3)
I2	4.169(2)	4.184(4)	**2.762(8)**	96.0(2)
I2	4.169(2)	4.184(4)	4.105(1)	**2.762(8)**

Atom **Cu4B**

	S2	**I2**	**I2**	**I1**
S2	**2.294(12)**	118.2(3)	118.2(3)	102.9(3)
I2	4.184(4)	**2.578(5)**	105.5(3)	105.2(3)
I2	4.184(4)	4.105(1)	**2.578(5)**	105.2(3)
I1	4.016(5)	4.295(1)	4.295(1)	**2.823(10)**

Atom **Cu4C**

	S2	**I2**	**I2**	**I3**	**I1**
S2	**2.232(13)**	123.3(5)	123.3(5)	89.9(4)	80.4(3)
I2	4.184(4)	**2.521(8)**	109.0(4)	101.1(4)	84.4(3)
I2	4.184(4)	4.105(1)	**2.521(8)**	101.1(4)	84.4(3)
I3	3.633(4)	4.169(2)	4.169(2)	**2.872(15)**	170.3(4)
I1	4.016(5)	4.295(1)	4.295(1)	6.579(2)	**3.730(14)**

Atom **Cu5**

	I3	**I2**	**I2**	**I2**
I3	**2.518(18)**	106.6(4)	107.7(4)	107.7(4)
I2	4.089(3)	**2.583(12)**	116.2(5)	116.2(5)
I2	4.169(2)	4.438(2)	**2.643(9)**	101.9(4)

I2	4.169(2)	4.438(2)	4.105(1)	**2.643(9)**