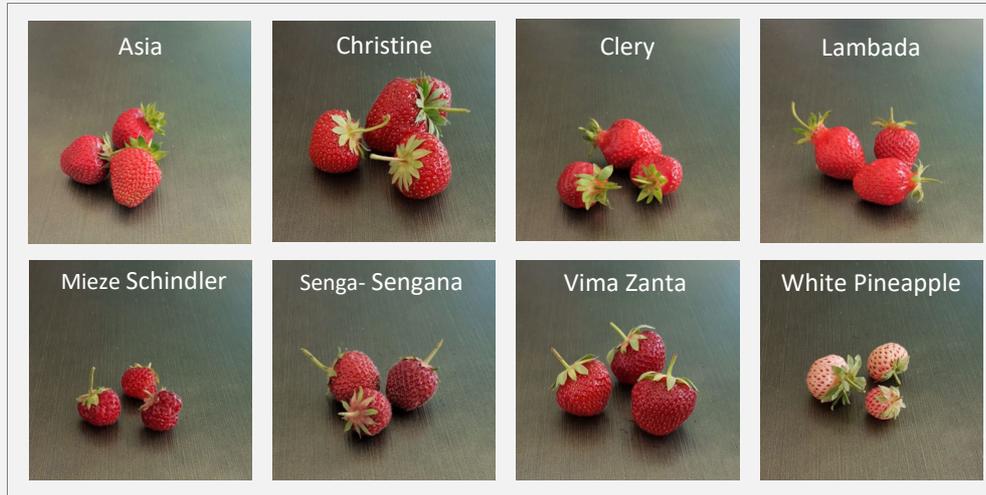


## Cations in strawberries

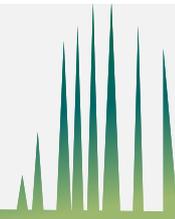


### Results:

	content [mg/kg]							
	Asia	Christine	Clery	Lambada	Mieze Schindler	Senga-Sengana	Vima Zanta	White Pineapple
Ammonium	30	36	81	37	59	60	18	34
Potassium	1632	1476	1442	1690	1660	1475	1297	1977
Calcium	115	105	127	96	154	120	94	175
Sodium	6	5	7	3	7	3	<1	7
Magnesium	96	95	102	111	112	83	79	159

### Conclusions:

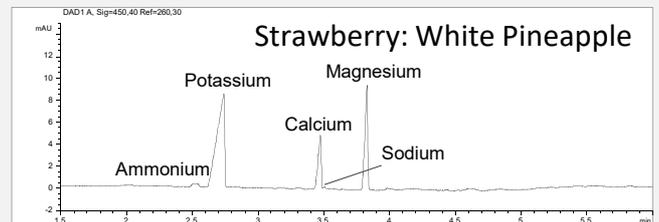
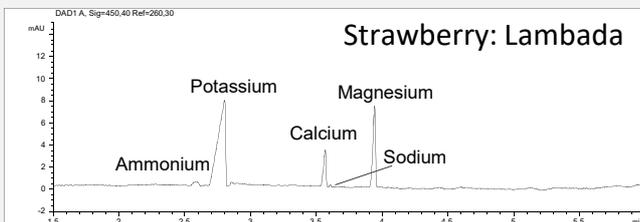
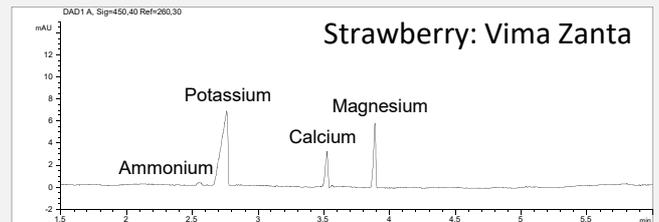
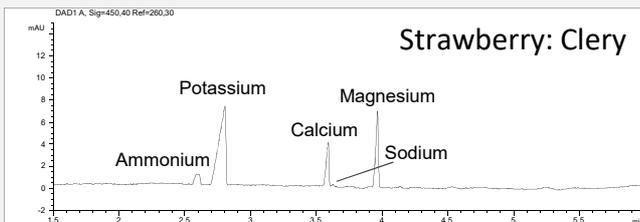
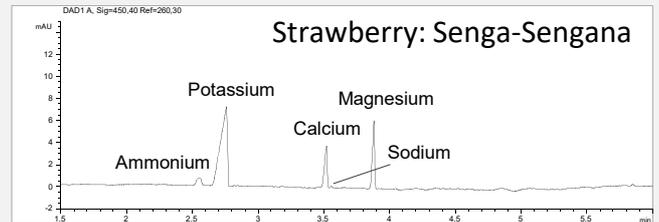
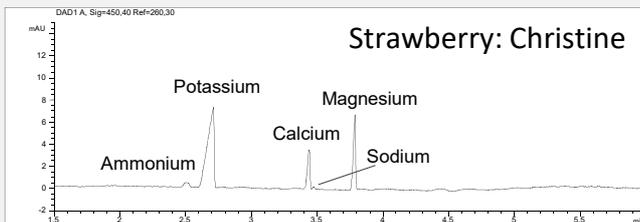
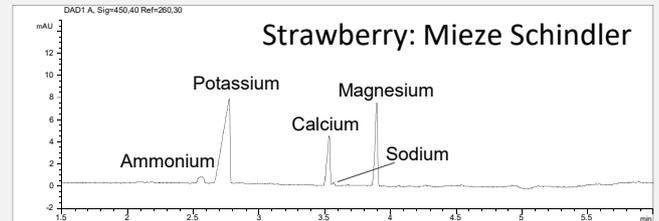
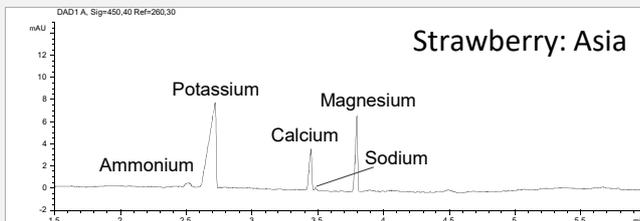
- Potassium is the main cation in all sorts of strawberries.
- Nutritionally important is also the content of magnesium and calcium.
- Advantageous is the low content of sodium for a low-salt diet.
- The content on ammonium could be caused by fertilization or by the degradation of amino acids.



## Cations in strawberries

### Sample preparation:

- Three fruits of each sort were pureed and deep-frozen.
- Immediately before the measurement, the puree was thawed.
- Each puree was diluted 1:5 using water and centrifuged to separate insoluble solids.
- Before injection, each sample was diluted again 1:4, resulting in a total dilution of 1:20.



### Experimental conditions:

- Mode: CZE
- Electrolyte: Aminopyridine system, laboratory made
- Capillary: fused silica, 50  $\mu\text{m}$  I.D., 56 cm effective length
- Injection: 50 mbar, 15 s
- Detection: indirect, 260 nm
- Separation: 25°C, +30 kV.