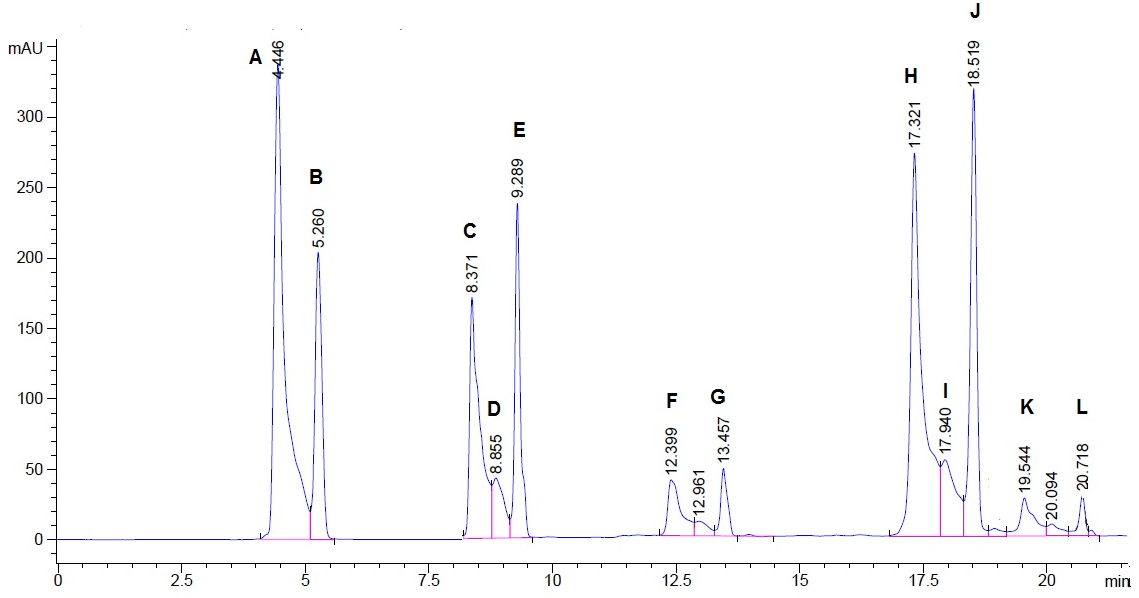


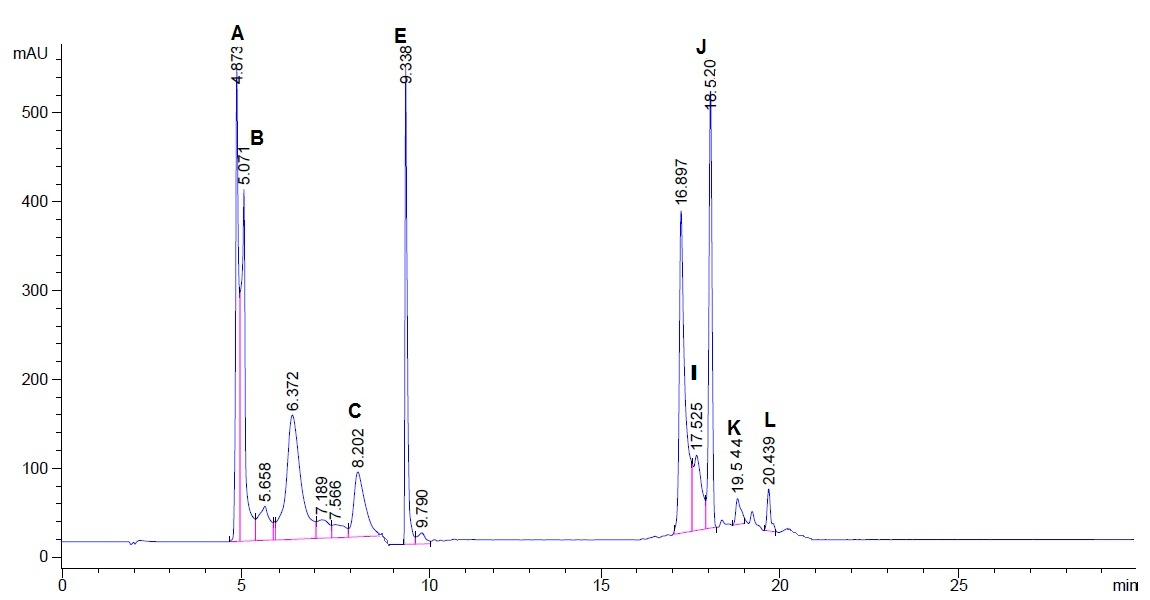
**Figura 1 Chile Ancho y Chile Pasilla (*Capsicum annuum L*.)**

Cuadro1 Relación de tratamientos del experimento.

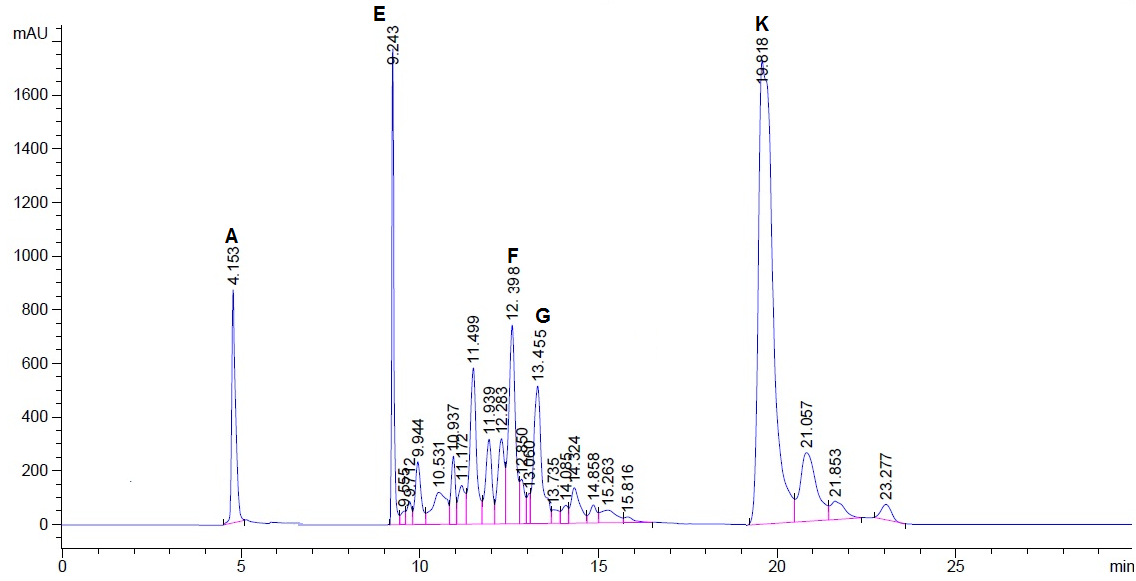
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Carotenos** | | | | | **Tratamiento** | | | | | | | |
|  | **T1**  **(CA)** | | **T2**  **(SL)** | **T3**  **(CC)** | | **T4**  **(CE)** | **T5**  **(CP)** | **T6**  **(PF)** | | **T7**  **(PC)** | | **T8**  **(PE)** | |
| β -caroteno |  | |  |  | |  |  | |  | |  |  | |
| α-caroteno | |  |  |  | |  |  | |  | |  |  | |
| β-cripoxantina | |  |  |  | |  |  | |  | |  |  | |
| α-criptoxantina | |  |  |  | |  |  | |  | |  |  | |
| trans-β-apo-8-carotenal | |  |  |  | |  |  | |  | |  |  | |
| zeaxantina | |  |  |  | |  |  | |  | |  |  | |
| cis-zeaxantina | |  |  |  | |  |  | |  | |  |  | |
| luteina | |  |  |  | |  |  | |  | |  |  | |
| luteoxantina | |  |  |  | |  |  | |  | |  |  | |
| astaxantina | |  |  |  | |  |  | |  | |  |  | |
| violaxantina | |  |  |  | |  |  | |  | |  |  | |
| neoxantina | |  |  |  | |  |  | |  | |  |  | |



**Figura 2 Cromatograma de Carotenoides a 450 nm.**



**Figura 3 Cromatograma del chile ancho a 450 nm.** A) β-Caroteno, B) α-Caroteno, C) β-Criptoxantina E) trans-β-Apo-8-carotenal, I) Luteoxantina, J) Astaxantina, K) Violaxantina y L) Neoxantina.

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**Figura 4 Cromatograma de chile pasilla a 450 nm** A) β-Caroteno, E) trans-β-Apo-8-carotenal, F) zeaxantina, G) cis-Zeaxantina K) Violaxantina.

**Cuadro 2 Perfil de carotenoides en cada tratamiento.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Carotenos | | | | | Tratamiento | | | | | | | |
|  | **T1**  **(CA)** | | **T2**  **(SL)** | **T3**  **(CC)** | | **T4**  **(CE)** | **T5**  **(CP)** | **T6**  **(PF)** | | **T7**  **(PC)** | | **T8**  **(PE)** | |
| β -Caroteno | 4.67a | | 4.62a | 4.67a | | 4.58a | 0d | | 4.09c | | 4.20cb | 4.52ab | |
| α-Caroteno | | 5.57ab | 5.71a | 5.16b | | 5.54ab | 0c | | 0c | | 0c | 0c | |
| β-Cripoxantina | | 8.20a | 8.19a | 8.22a | | 8.18a | 0b | | 0b | | 0b | 0b | |
| α-Criptoxantina | | 8.81bc | 8.87ab | 8.93a | | 8.91ab | 0d | | 8.73c | | 0d | 0d | |
| trans-β-Apo-8-carotenal | | 9.38a | 9.71a | 9.51a | | 9.44a | 9.47a | | 9.46a | | 9.51a | 0b | |
| zeaxantina | | 0c | 0c | 0c | | 0c | 12.22b | | 12.39ab | | 12.48a | 12.38ab | |
| cis-Zeaxantina | | 0b | 0b | 0b | | 0b | 12.44a | | 12.43a | | 12.46a | 12.70a | |
| Luteina | | 17.43a | 17.43a | 0b | | 0b | 17.45a | | 0b | | 0b | 0b | |
| Luteoxantina | | 0b | 0b | 0b | | 0b | 18.39ab | | 18.33a | | 0b | 0b | |
| Astaxantina | | 19.54a | 0b | 0b | | 0b | 0a | | 0b | | 0b | 0b | |
| Violaxantina | | 20.72a | 0c | 20.39b | | 0c | 20.39b | | 0b | | 0b | 0b | |
| Neoxantina | | 0 | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | |
| Suma %Area | | 94.32 | 54.53 | 56.88 | | 36.65 | 90.36 | | 43.15 | | 24.94 | 25.08 | |

**\***a, b, c medias con diferentes letras en el mismo renglón son significativamente diferentes (p≤0.05). **\***Diferencias entre tratamientos. (T1) Control chile ancho CA, Marca San Lázaro SL (T2), calidad comercial ancho CC (T3) y calidad extra ancho (CE) (T4), control chile pasilla CP (T5), marca San Lázaro pasilla PF (T6), calidad comercial pasilla PC (T7), calidad extra pasilla PE (T8).