

Supplementary Figures – Vietnam and Philippines  
Cohen et al. (2022) Menthol and Other Flavor Chemicals in  
Cigarettes from Vietnam and the Philippines

Vietnam

Vietnam - Photos of Packs and Filters (a), and Flavor Bar Charts (b)

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## Philippines

### Philippines - Photos of Packs and Filters (a), and Flavor Bar Charts (b)

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S-P2.a/b	Bohem Mojito Double (BoMD)
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S-P5.a/b	Winston Extreme Mint (WEM)
S-P6.a/b	DJ Mix Blueberry (DJMB)
S-P7.a/b	Winston Purple Mint (WPM)
S-P8.a/b	Marlboro Fusion Purple (MFP)
S-P9.a/b	Mevius Option Duo (MeOD)
S-P10.a/b	Marlboro Black Menthol (MBM)
S-P11.a/b	DJ Mix Strawberry (DJMS)
S-P12.a/b	Bohem Cigar Slim -Fit Brown (BoCSFBr)
S-P13.a/b	Esse Pop (EP)
S-P14.a/b	Dunhill Menthol (DuM)
S-P15.a/b	Winston Caster with LSS (WCLSS)
S-P16.a/b	Camel White (CW)
S-P17.a/b	Mevius Sky Blue (MeSB)
S-P18.a/b	Marlboro Premium Black (MPB)
S-P19.a/b	Mevius Wind Blue (MeWB)

### Philippines Flavor Chemical Level "Heat" Map

S-P20	Flavor Chemical Level Heat Map, All Cigarettes: Philippines
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The filter contained a green flavor capsule.

Figure S-V1.a. Marlboro Dry Menthol (abbreviation: MDM).

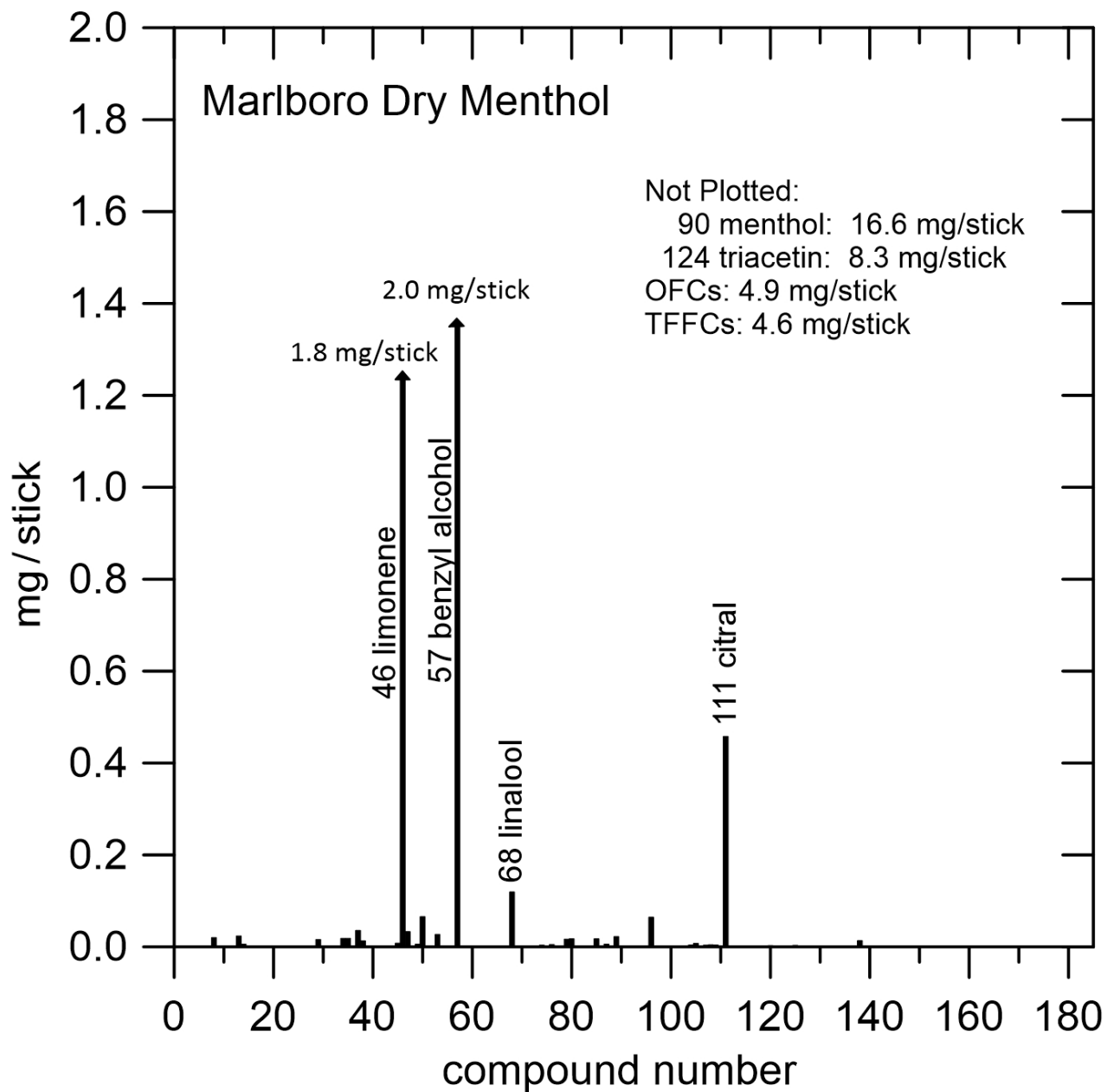


Figure S-V1.b. Marlboro Dry Menthol (abbreviation: MDM).



The filter contained two flavor capsules. The top one was green and the bottom one was blue.

Figure S-V2.a. Marlboro Double Burst (abbreviation: MDB).

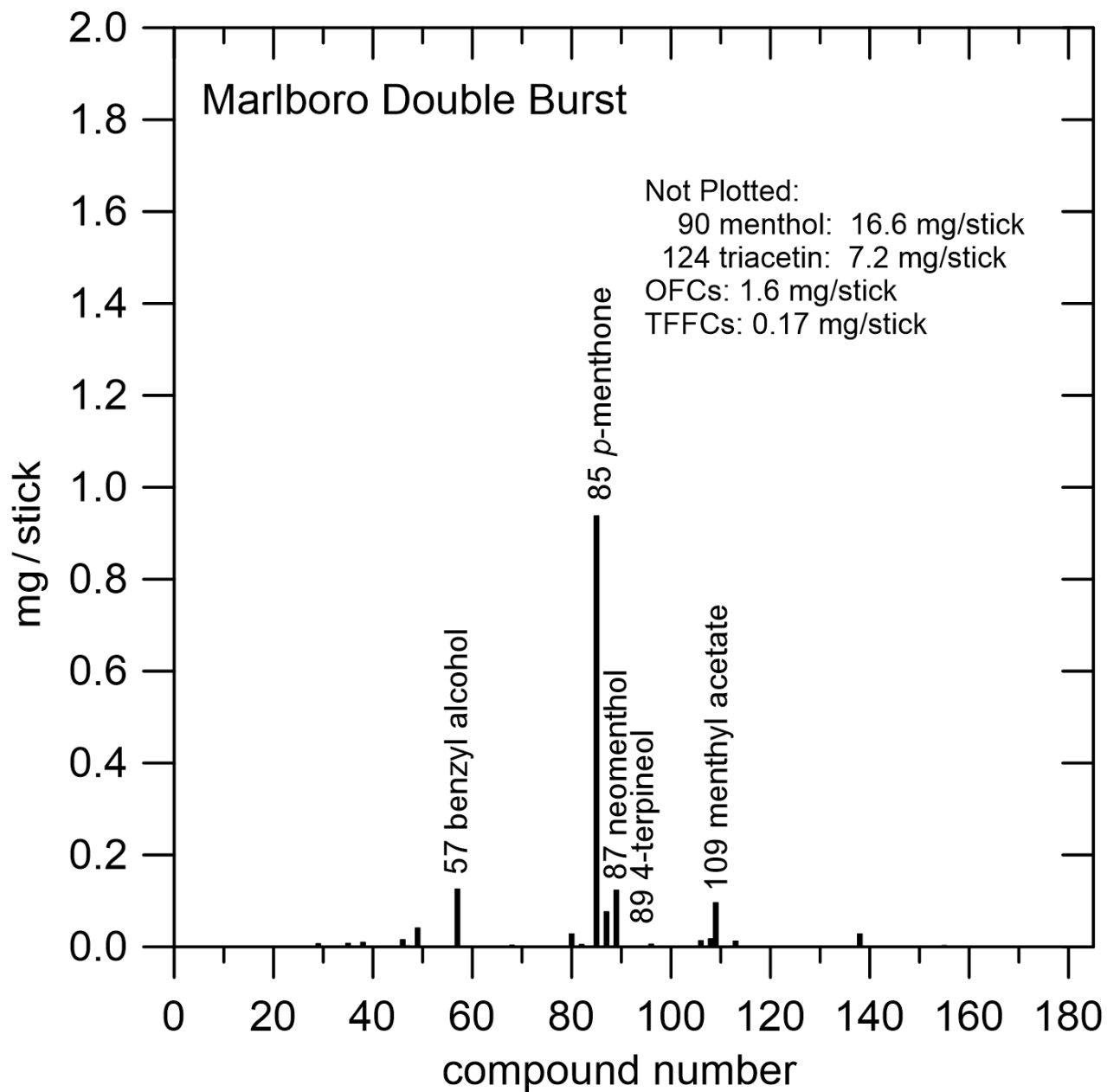
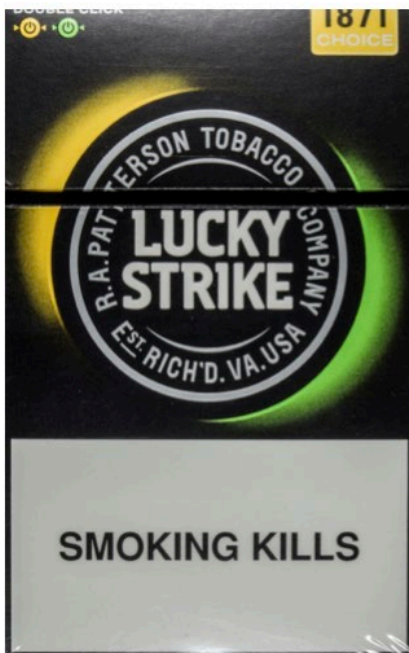


Figure S-V2.b. Marlboro Double Burst (abbreviation: MDB).



The filter contained two flavor capsules. The top one was light green and the bottom one was dark green.

Figure S-V3.a. Lucky Strike Double Click Yellow (abbreviation: LSDCY).

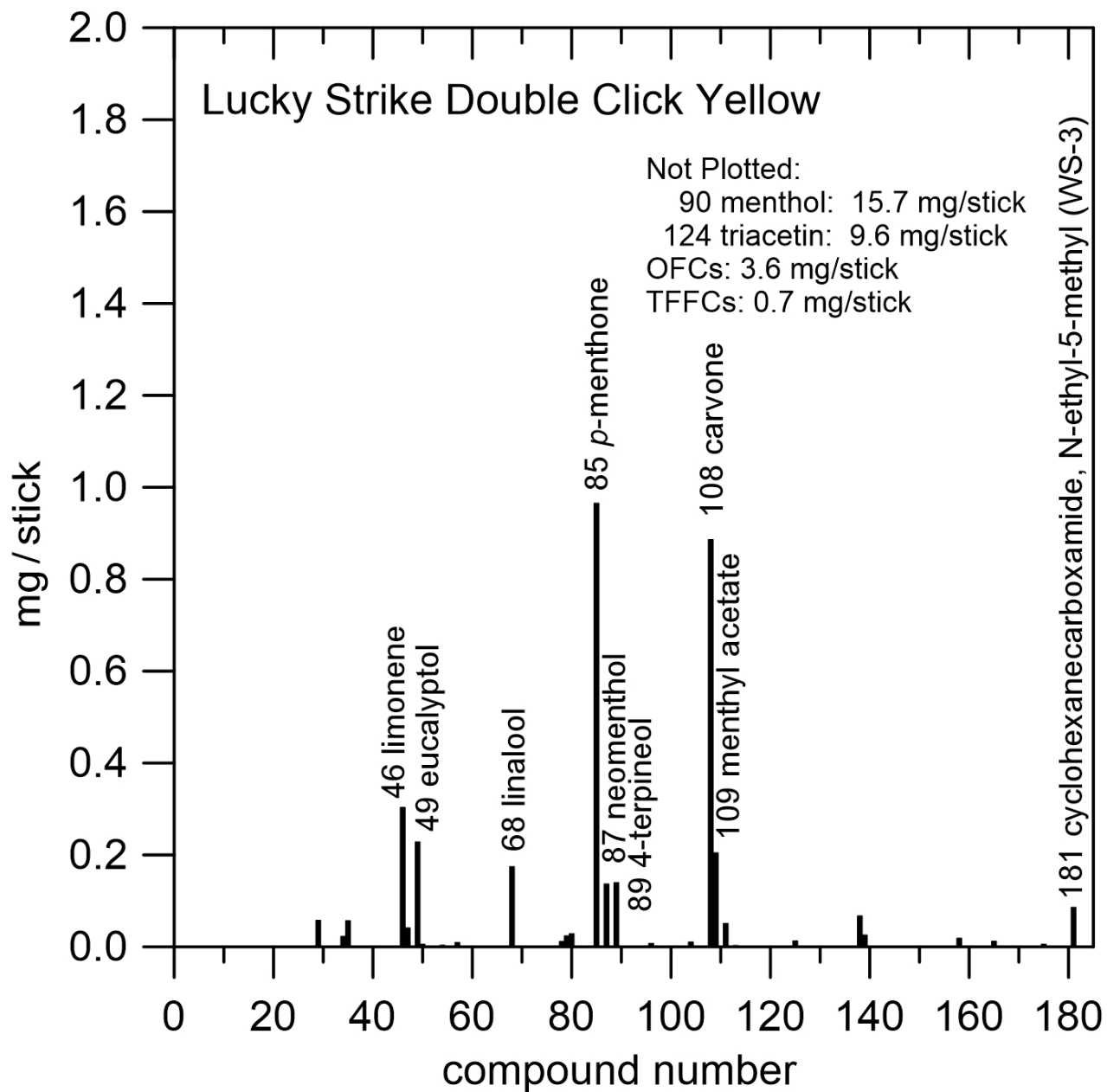


Figure S-V3.b. Lucky Strike Double Click Yellow (abbreviation: LSDCY).





The filter contained two flavor capsules. The top one was green and the bottom one was blue.

Figure S-V4.a. Marlboro Purple Burst (abbreviation: MPB).

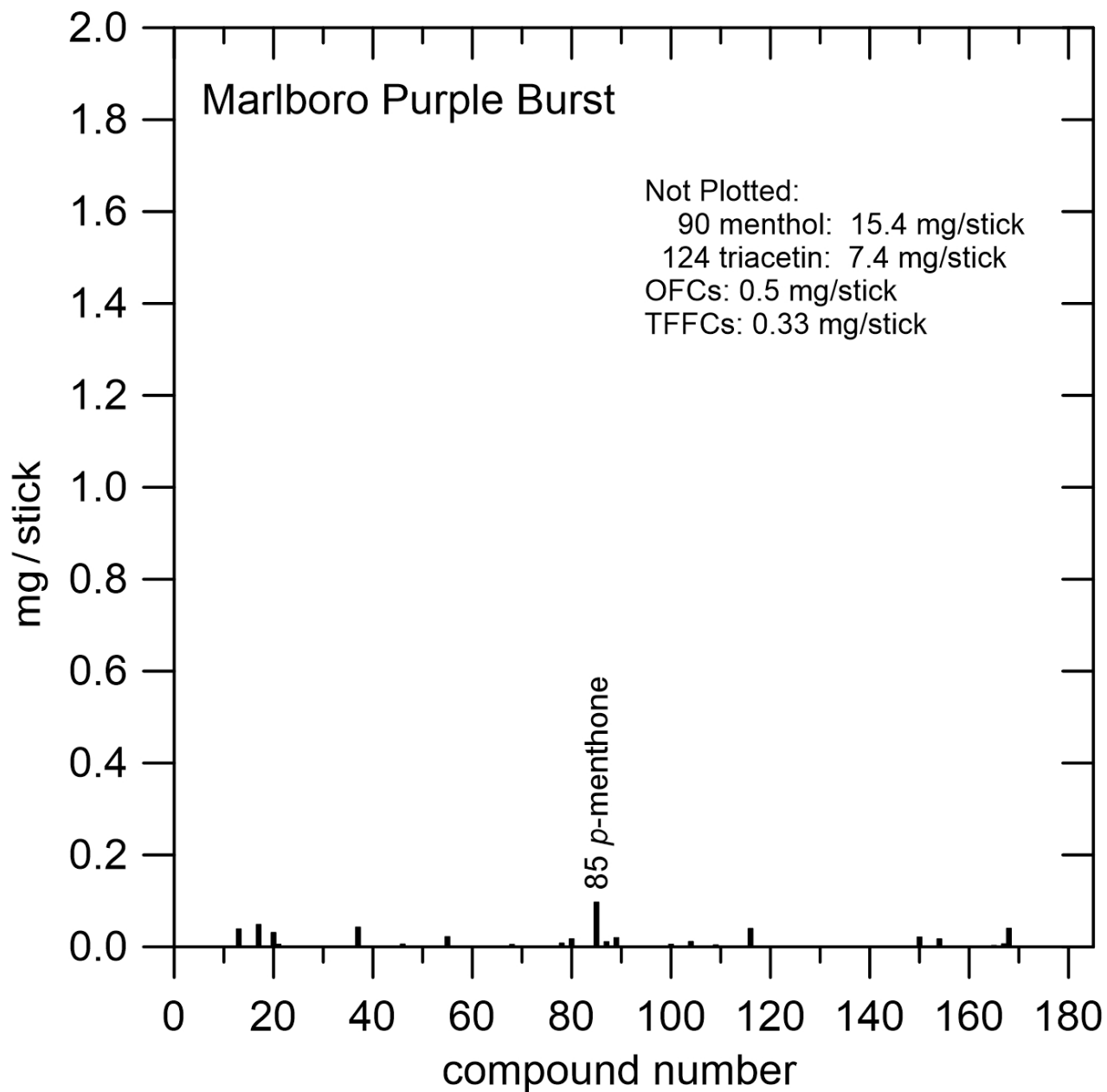


Figure S-V4.b. Marlboro Purple Burst (abbreviation: MPB).



The filter contained two flavor capsules. The top one was orange and the bottom one was dark green.

Figure S-V5.a. Lucky Strike Double Click Violet (abbreviation: LSDCV).

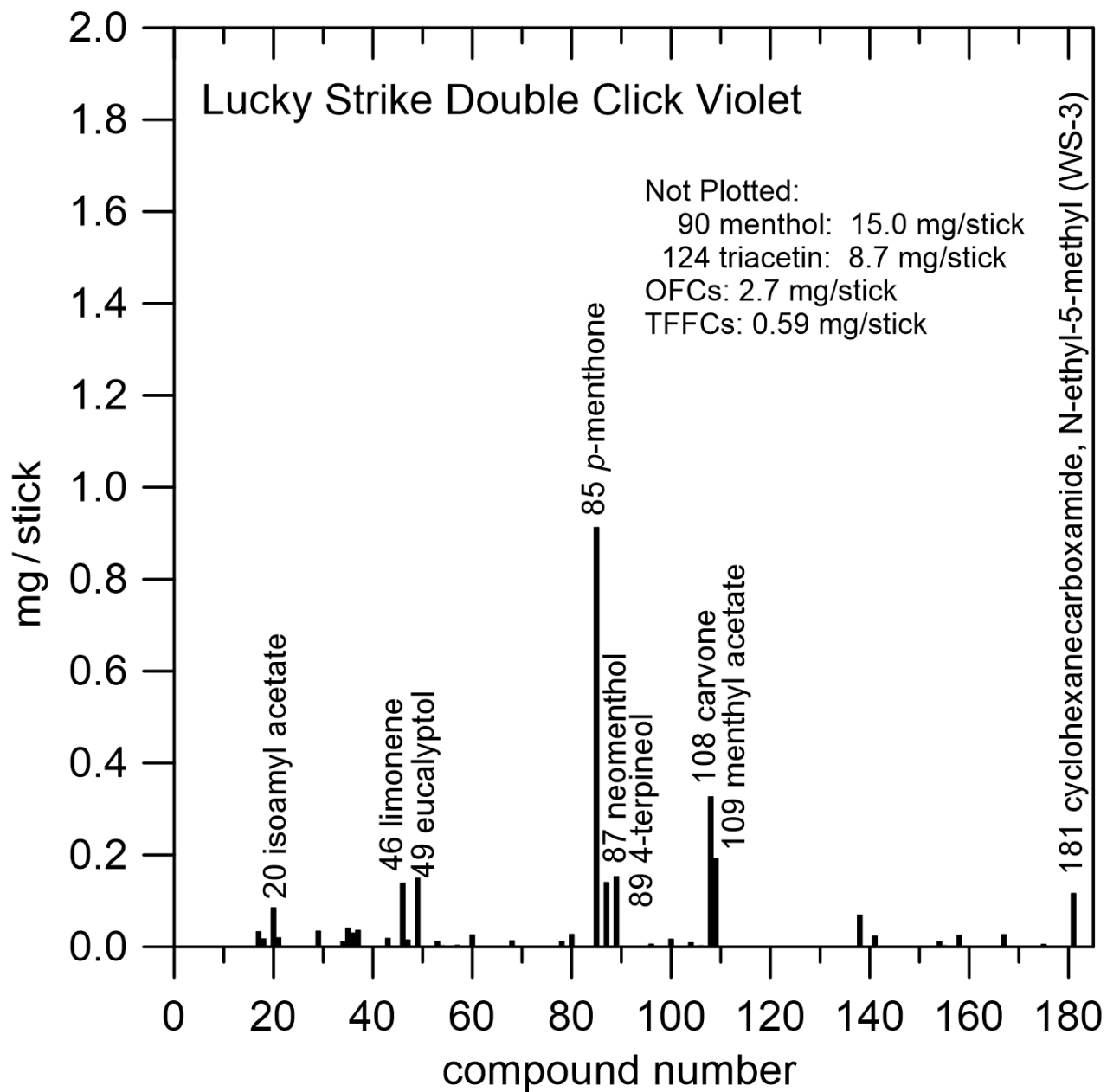


Figure S-V5.b. Lucky Strike Double Click Violet (abbreviation: LSDCV).



In this “sampler” pack, there were four different variations of the flavor capsule in the filter: purple, red, yellow, and green.

Figure S-V6.a. Luckies Click 4 Mix – Sampler/Green (abbreviation: LC4M-S/Green).

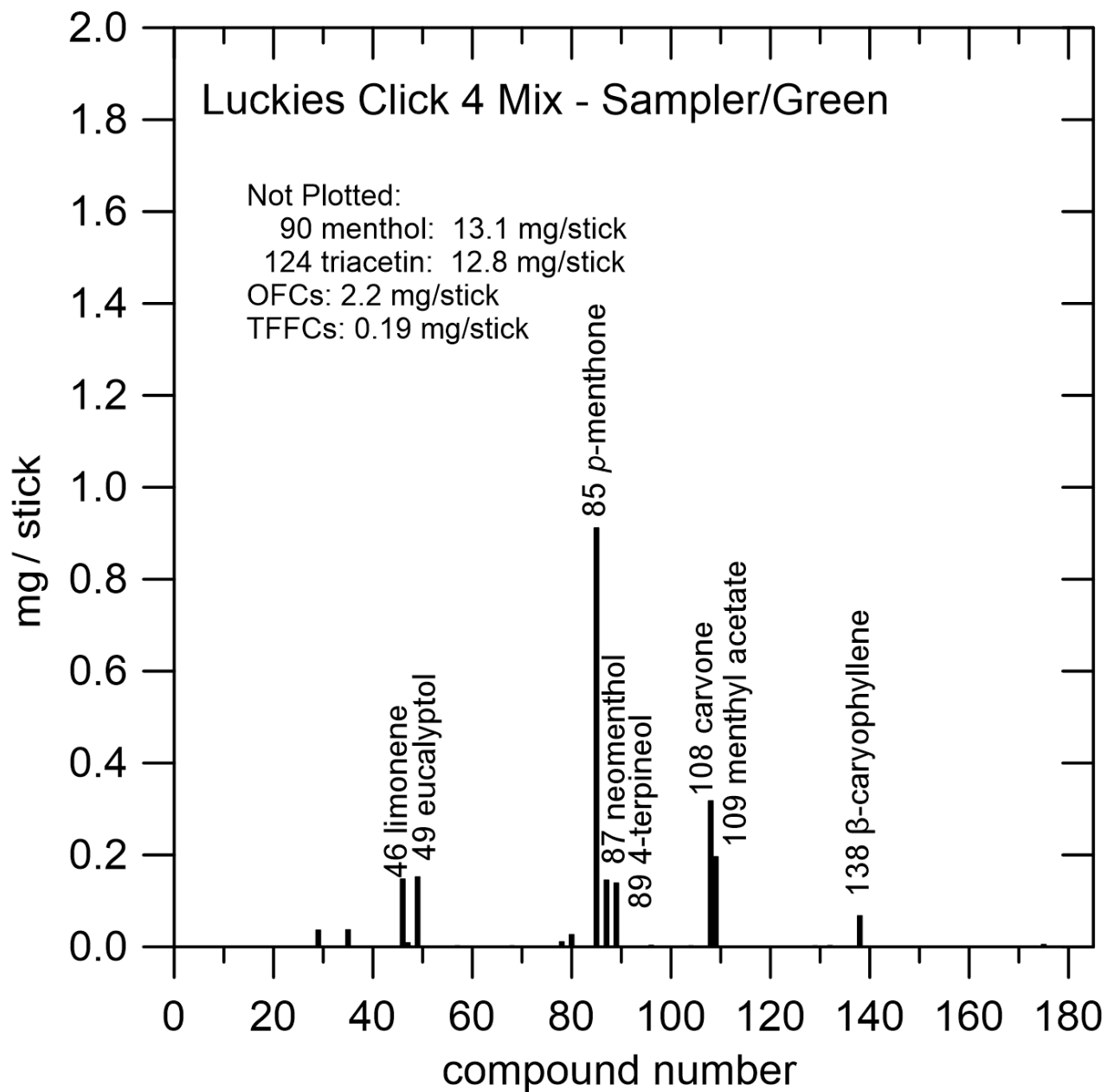
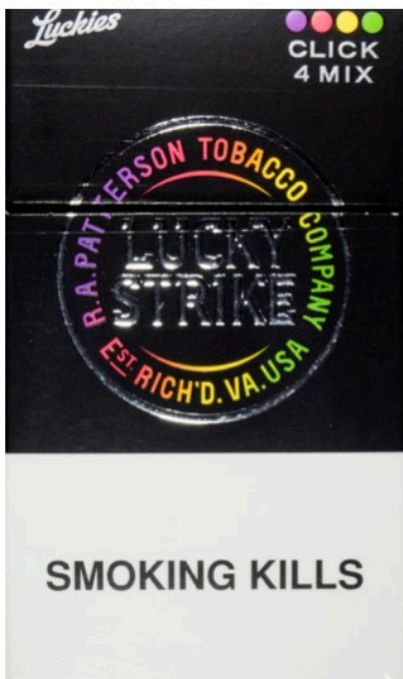


Figure S-V6.b. Luckies Click 4 Mix – Sampler/Green (abbreviation: LC4M-S/Green).



In this “sampler” pack, there were four different variations of the flavor capsule in the filter: purple, red, yellow, and green.

Figure S-V7.a. Luckies Click 4 Mix – Sampler/Red (abbreviation: LC4M-S/Red).

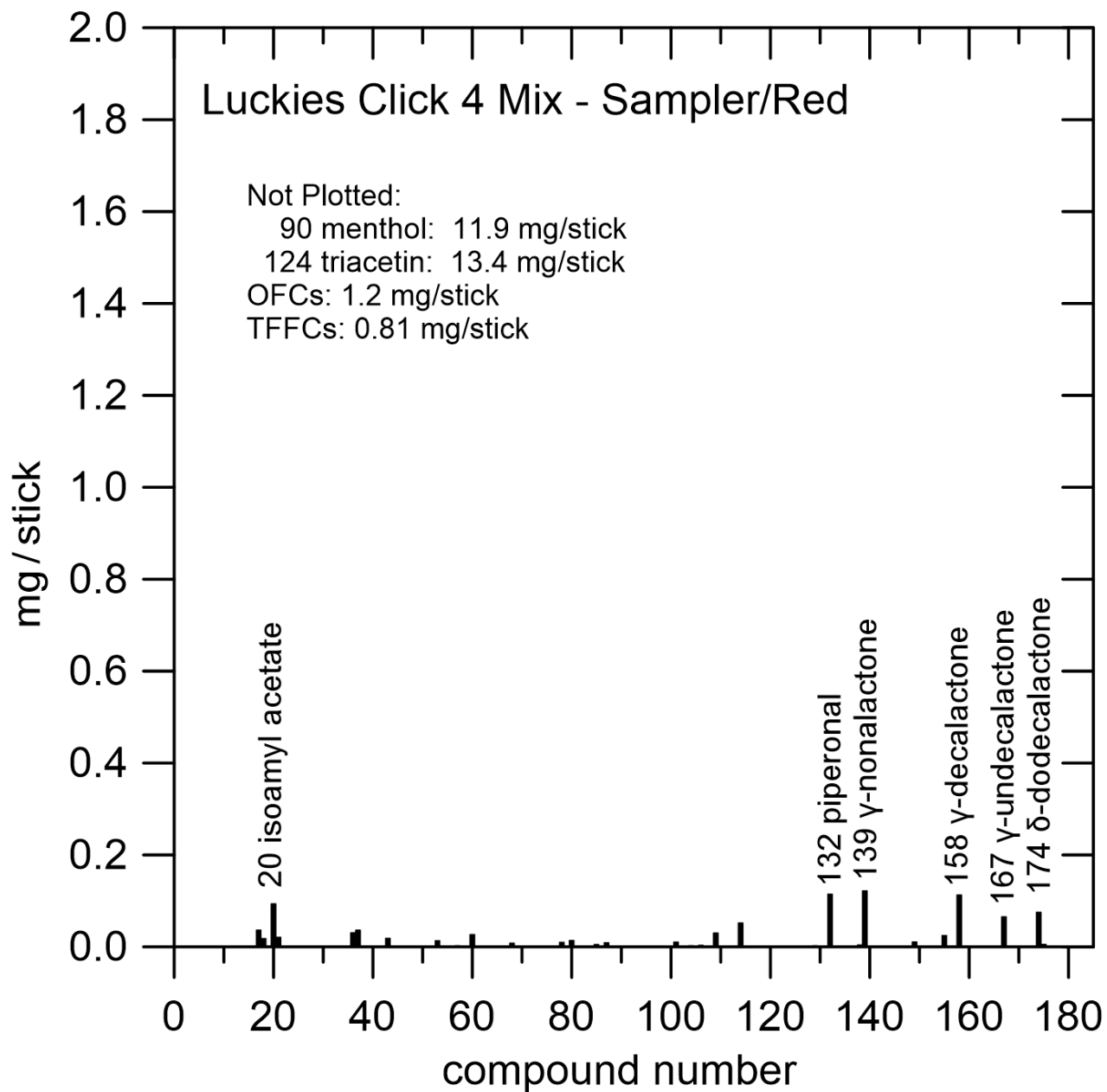


Figure S-V7.b. Luckies Click 4 Mix – Sampler/Red (abbreviation: LC4M-S/Red).





The filter contained a green flavor capsule.

Figure S-V8.a. Marlboro Ice Blast– Sampler/Red (abbreviation: MIB).

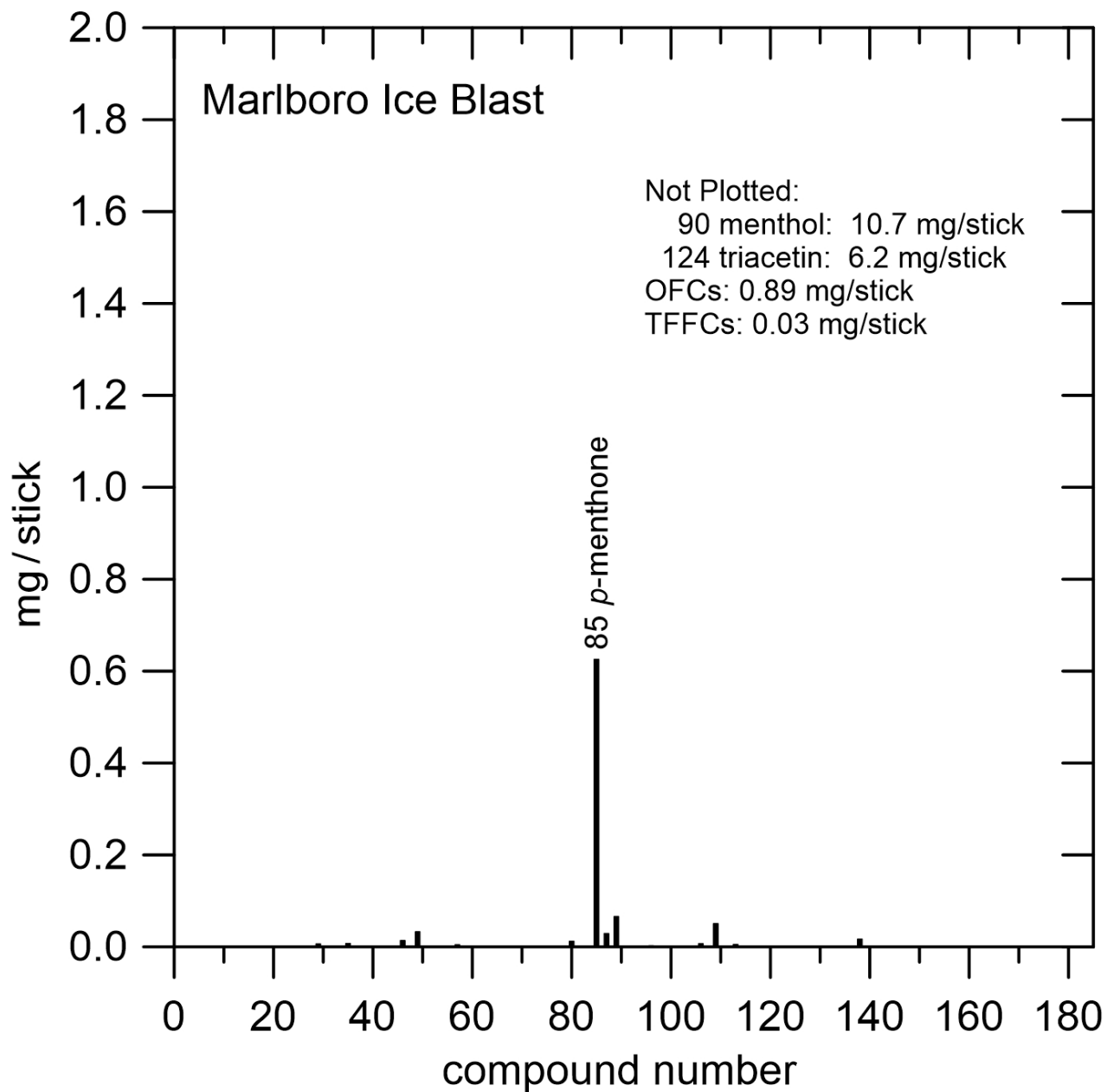


Figure S-V8.b. Marlboro Ice Blast– Sampler/Red  
 (abbreviation: MIB).



The filter contained two flavor capsules. The top one was blue, and the bottom one was green.

Figure S-V9.a. Blue Ice Double Blast (abbreviation: BIDB).

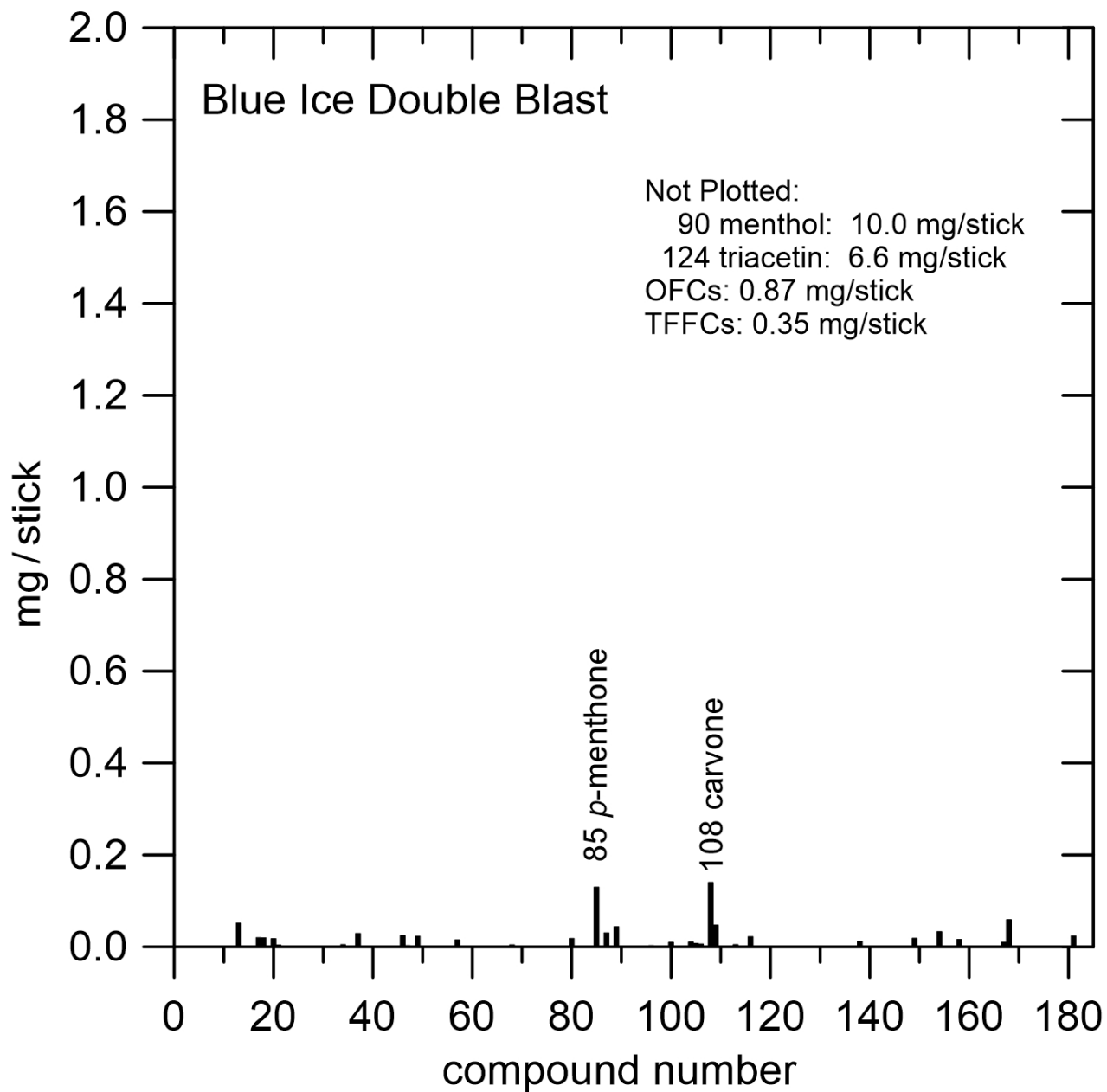
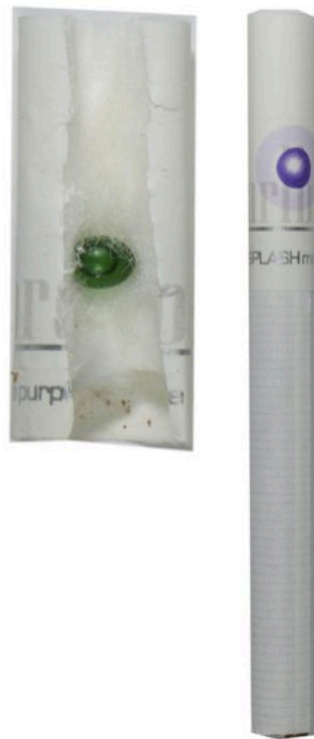


Figure S-V9.b. Blue Ice Double Blast (abbreviation: BIDB).



The filter contained a green flavor capsule.

Figure S-V10.a. Marlboro Splash Mega Purple (abbreviation: MSMP).

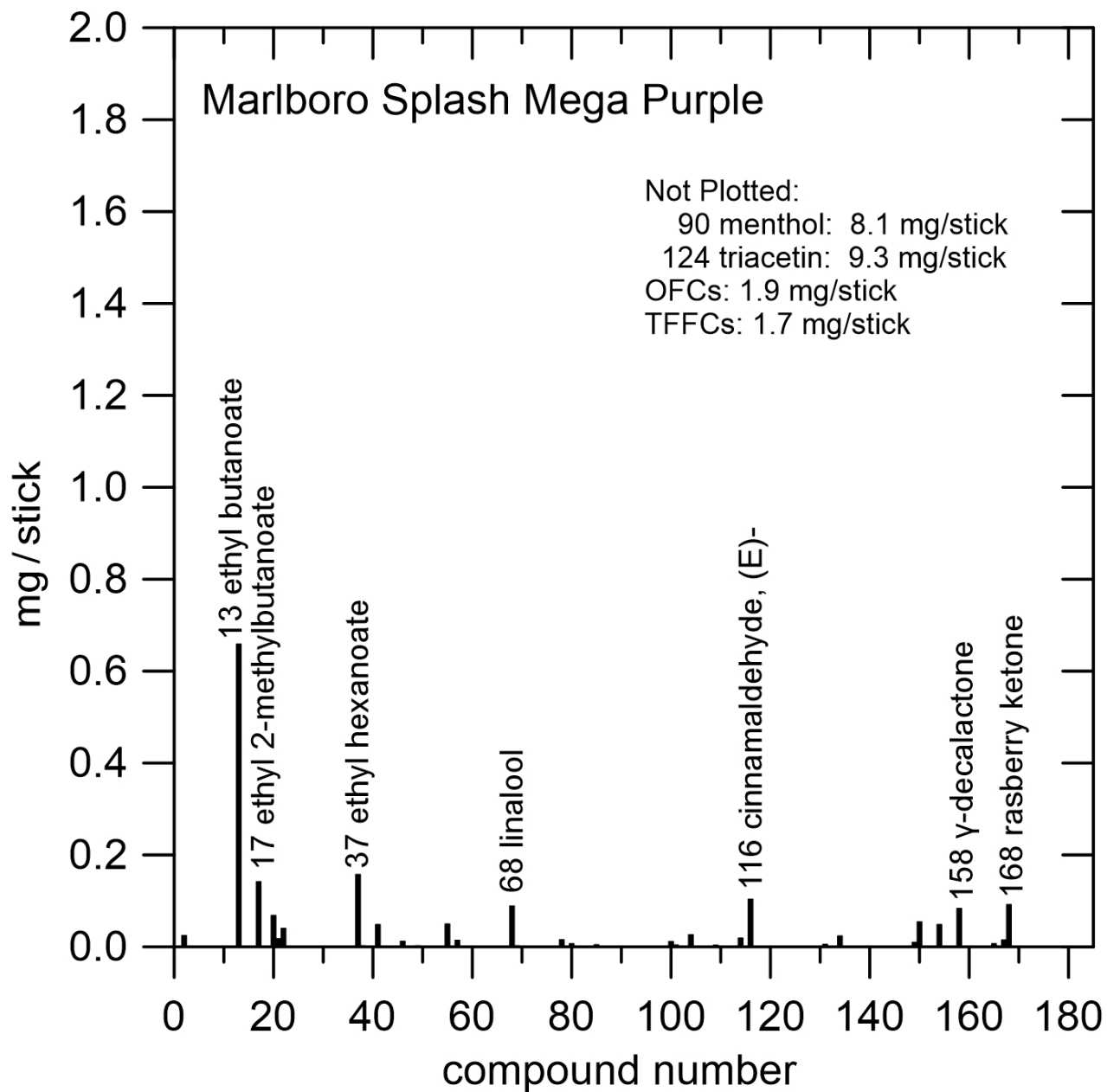


Figure S-V10.b. Marlboro Splash Mega Purple (abbreviation: MSMP).



In this “sampler” pack, there were four different variations of the flavor capsule in the filter: purple, red, yellow, and green.

Figure S-V11.a. Luckies Click 4 Mix – Sampler/Purple (abbreviation: LC4M-S/Purple).

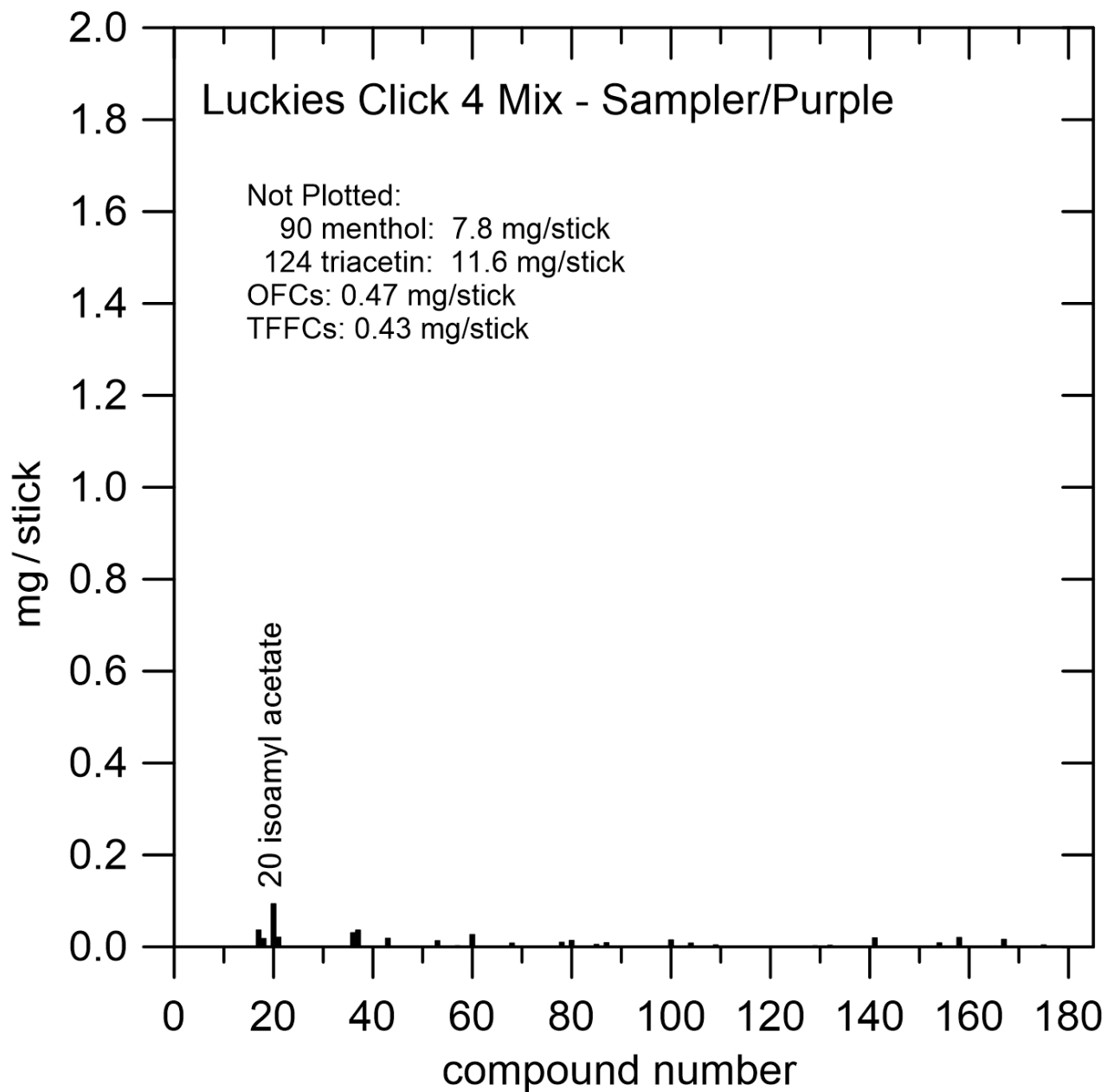
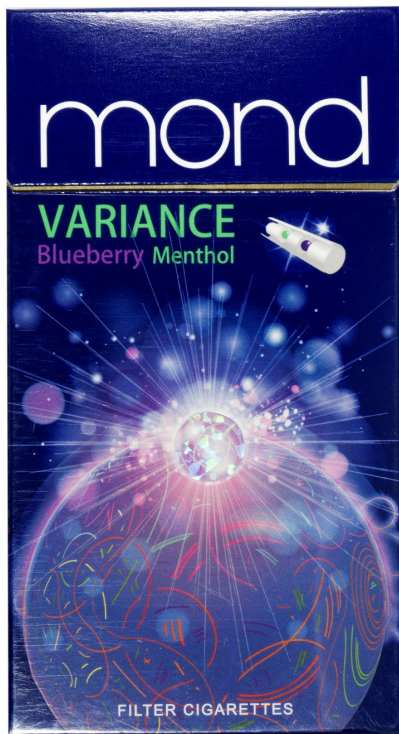


Figure S-V11.b. Luckies Click 4 Mix – Sampler/Purple (abbreviation: LC4M-S/Purple).





The filter contained two flavor capsules. The top one was blue and the bottom one was dark green.

Figure S-V12.a. Mond Variance Blueberry Menthol (abbreviation: MoVBM).

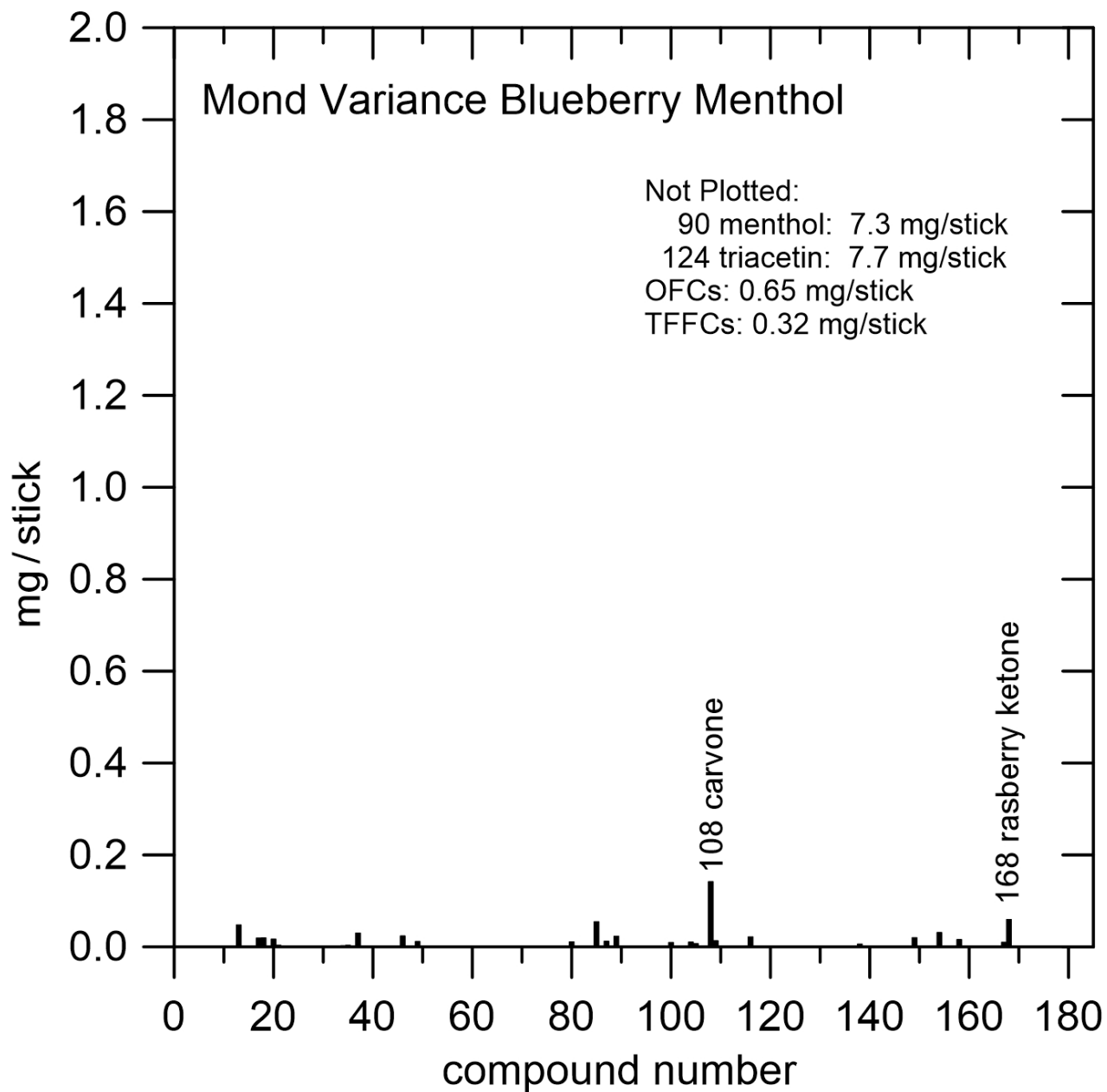


Figure S-V12.b. Mond Variance Blueberry Menthol (abbreviation: MoVBM).



The filter contained two flavor capsules. The top one was dark teal and the bottom one was blue.

Figure S-V13.a. Camel Activate Double Fresh Berry (abbreviation: CADFB).

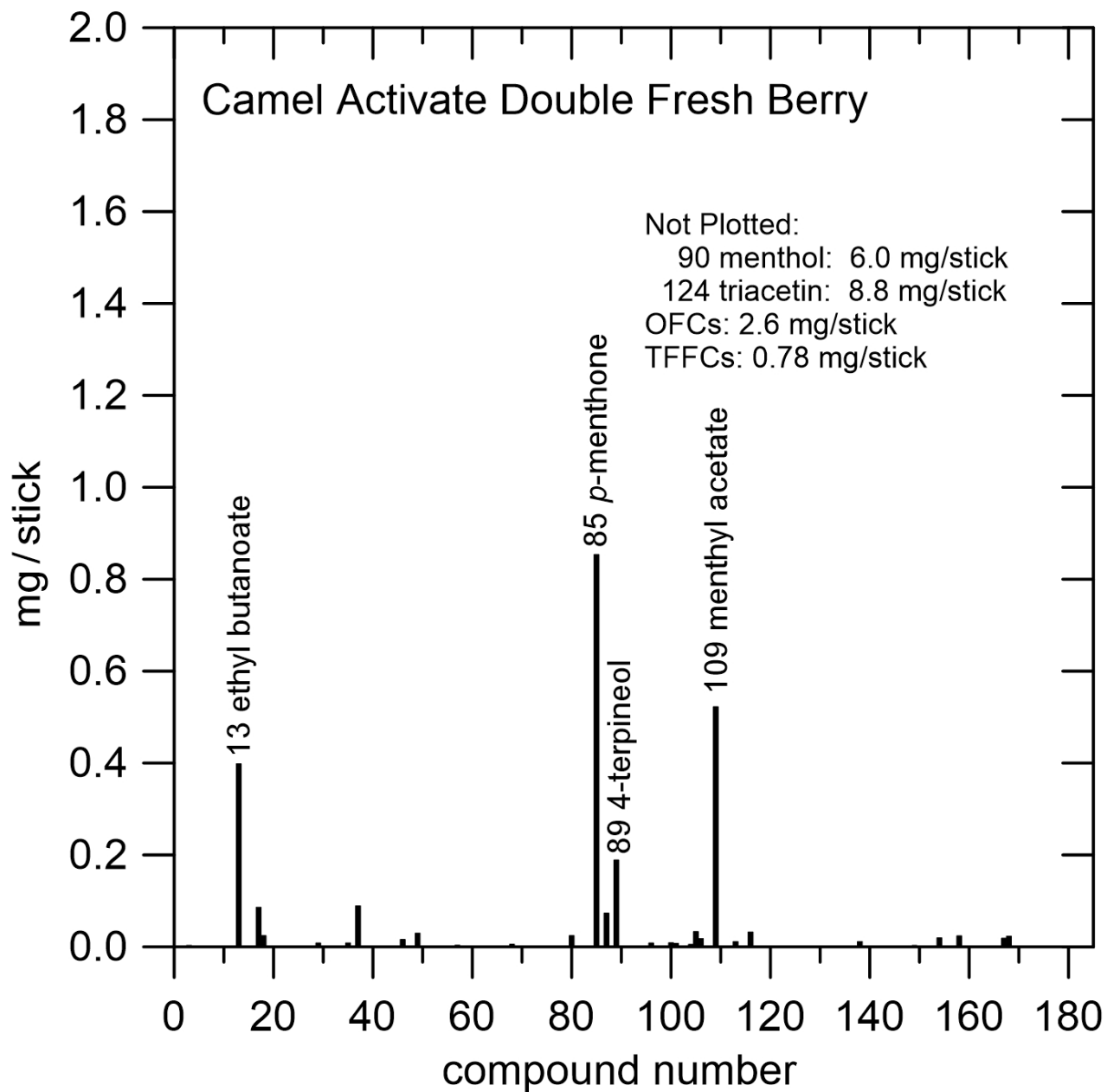
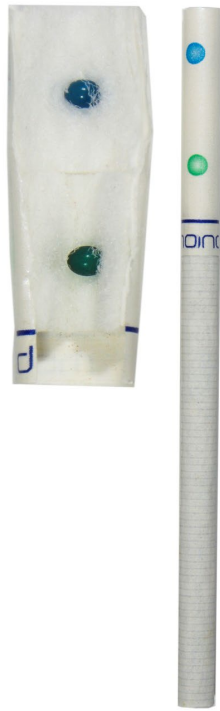


Figure S-V13.b. Camel Activate Double Fresh Berry (abbreviation: CADFB).



The filter contained two flavor capsules. The top one was blue and the bottom one was dark green.

Figure S-V14.a. Mond Variance Applemint Menthol (abbreviation: MoVAMM).

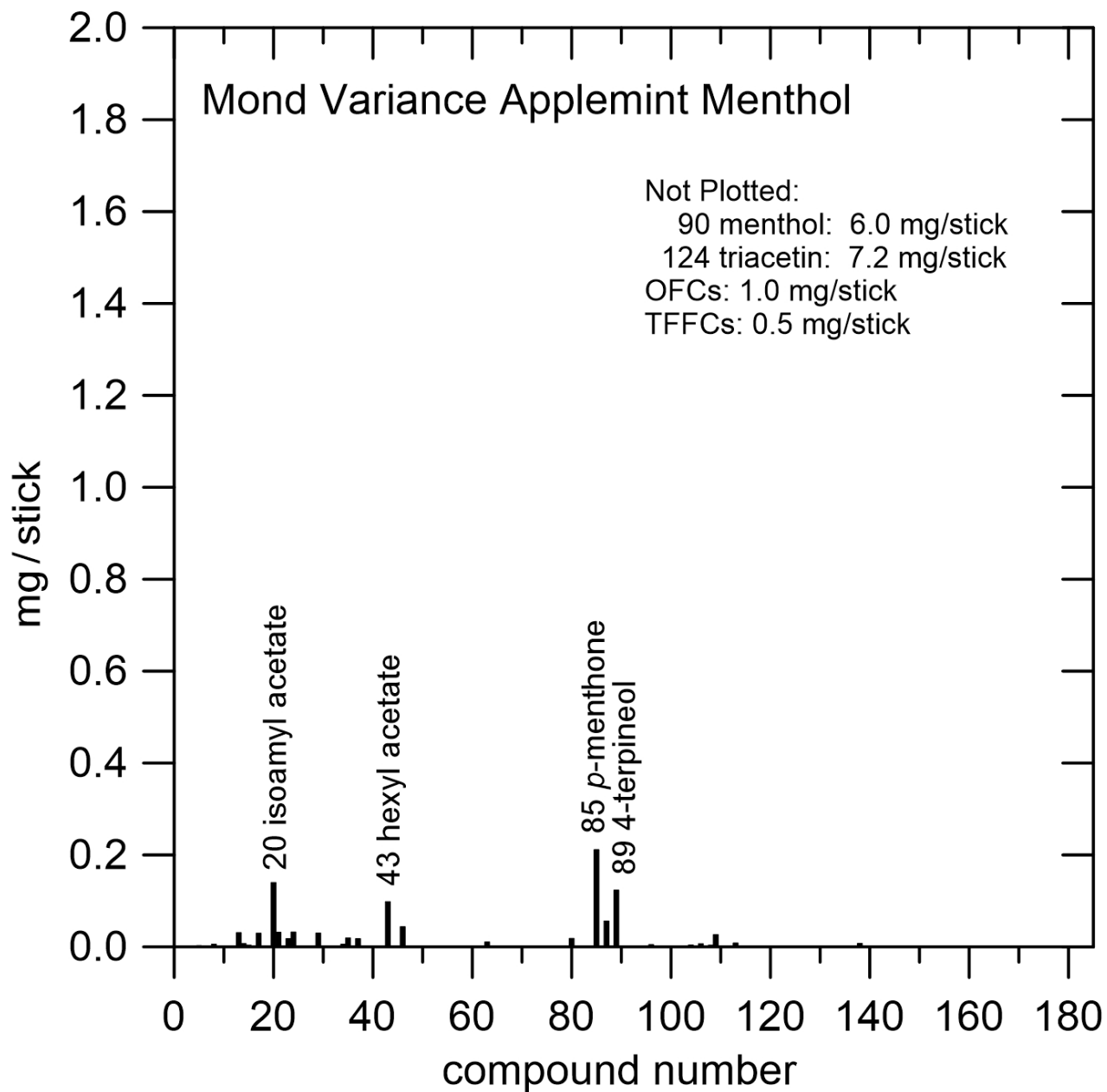
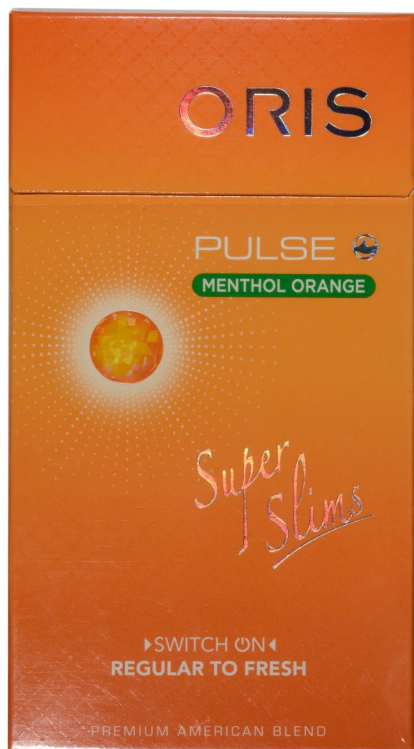


Figure S-V14.b. Mond Variance Applemint Menthol (abbreviation: MoVAMM).



The filter contained an orange flavor capsule.

Figure S-V15.a. Oris Pulse Menthol Orange (abbreviation: OPMO).

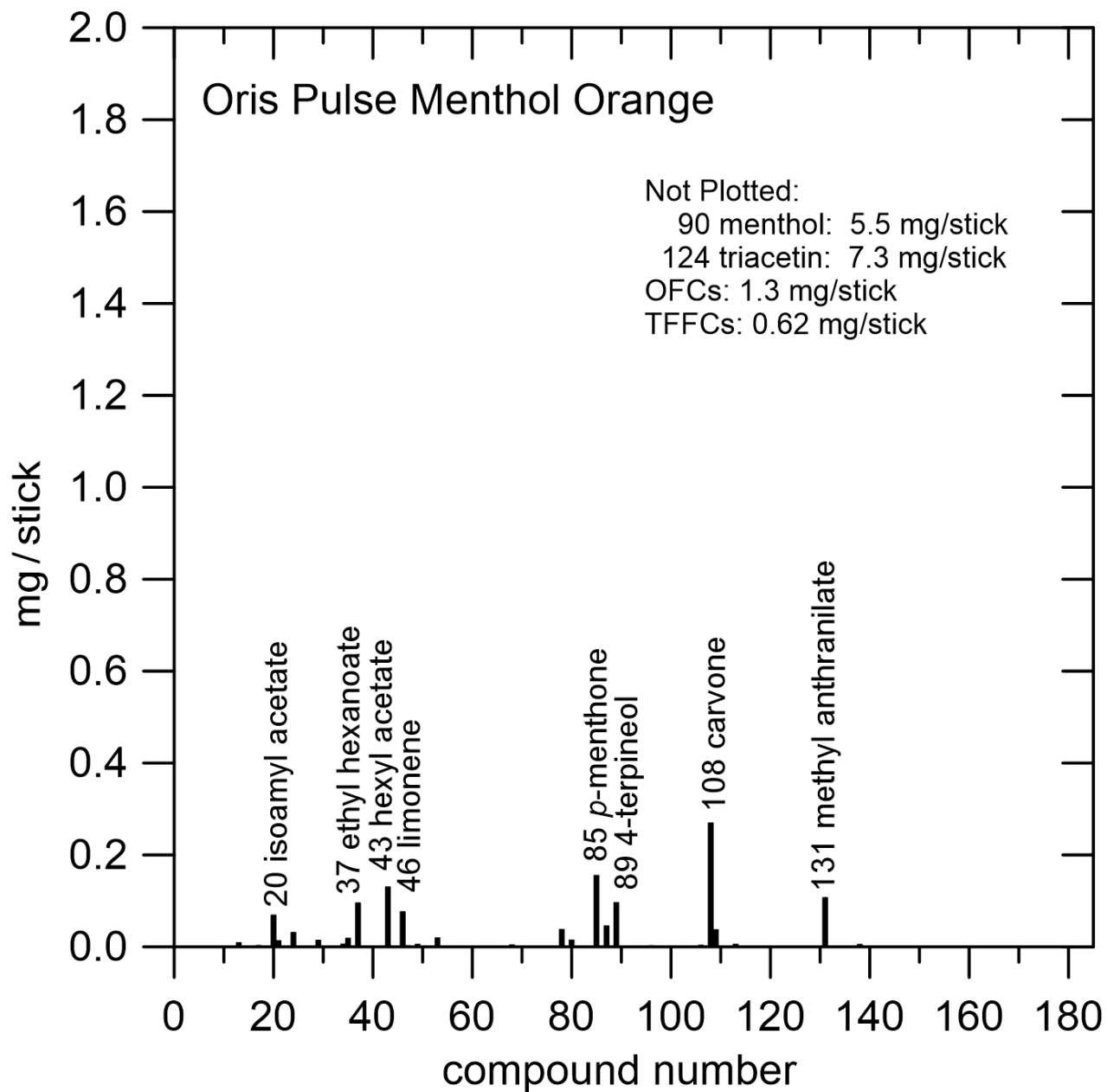


Figure S-V15.b. Oris Pulse Menthol Orange (abbreviation: OPMO).





The filter contained one flavor capsule above a region containing granules that appeared to be charcoal.

Figure S-V16.a. Kent iSwitch (abbreviation: Ki).

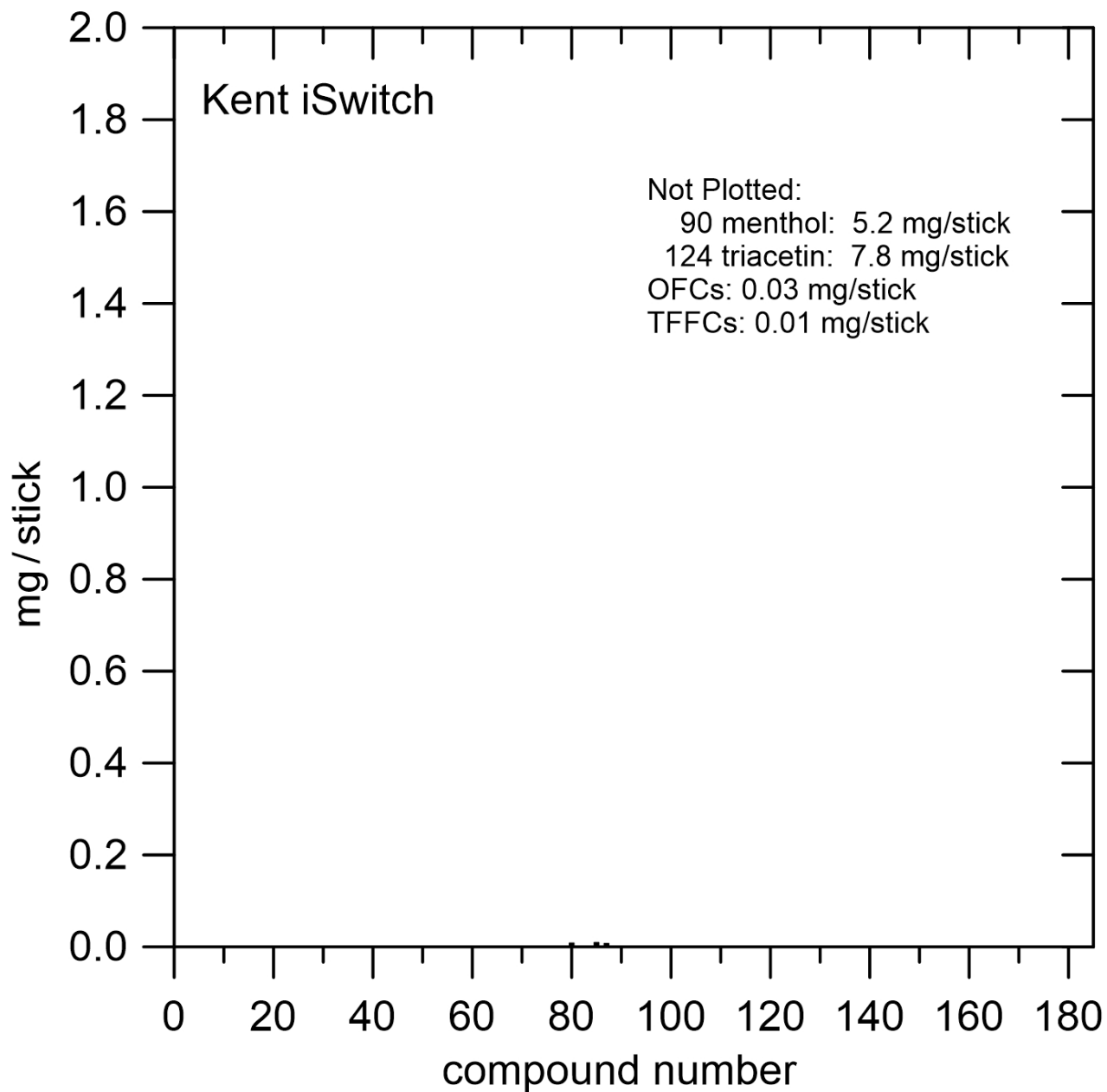
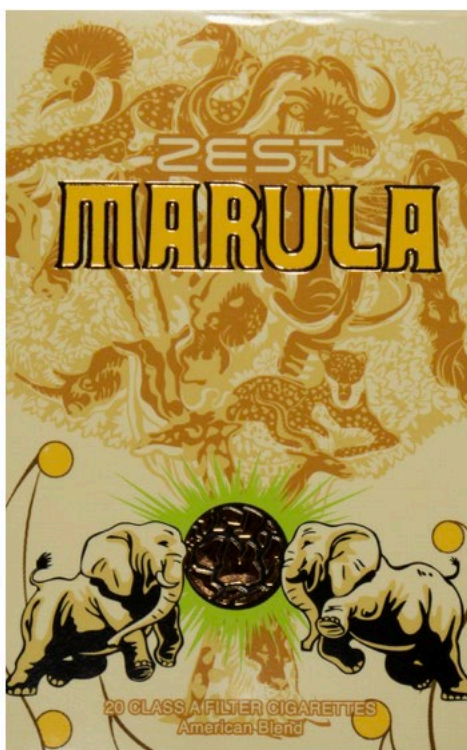


Figure S-V16.b. Kent iSwitch (abbreviation: Ki).



The filter contained one flavor capsule.

Figure S-V17.a. Zest Marula (abbreviation: ZM).

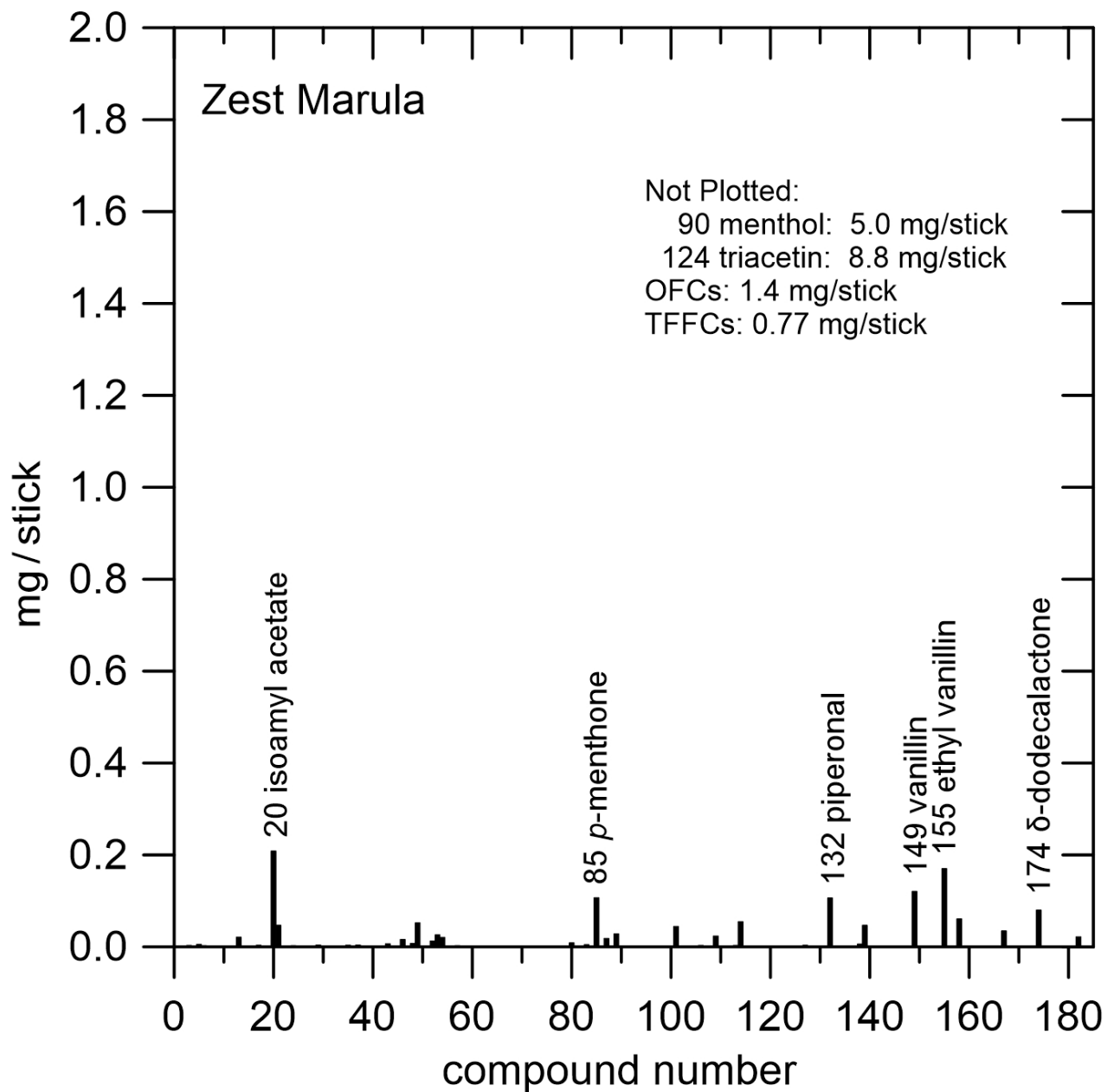
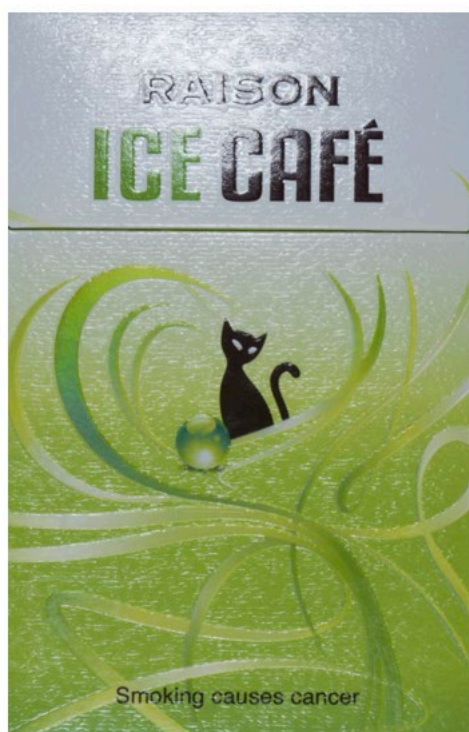


Figure S-V17.b. Zest Marula (abbreviation: ZM).



The filter contained one flavor capsule above a region containing granules that appeared to be charcoal.

Figure S-V18.a. Raison Ice Coffee (abbreviation: RIC).

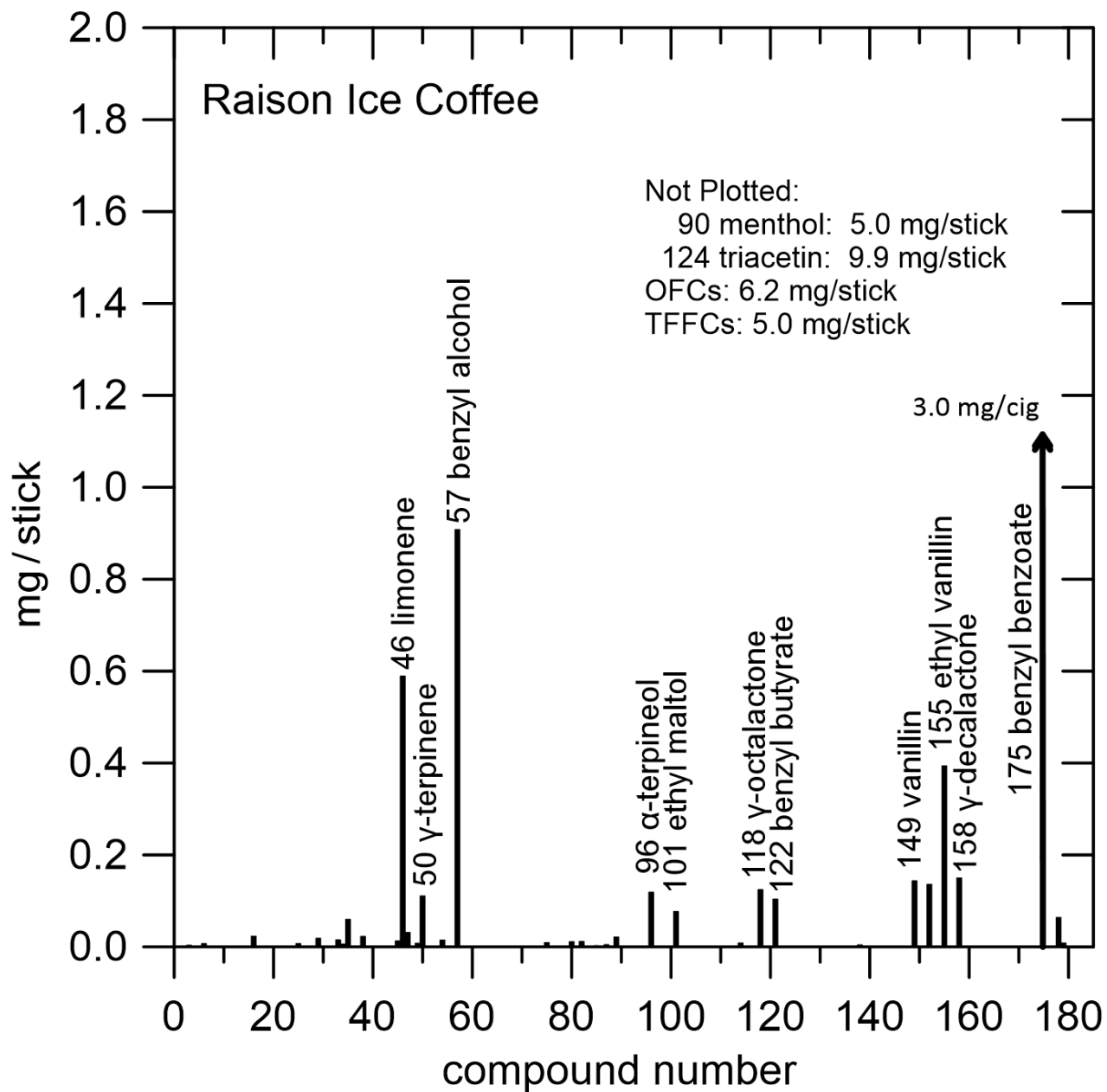
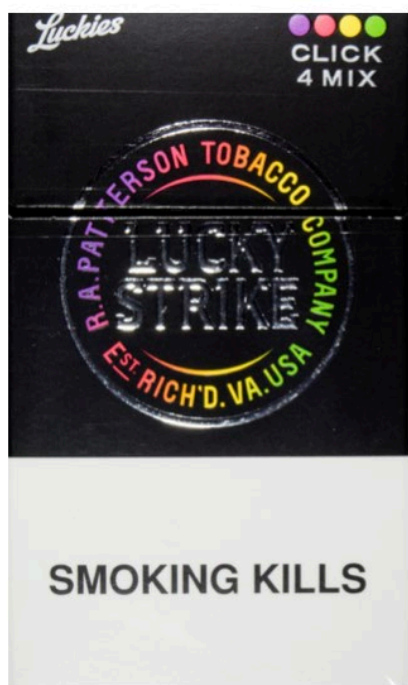


Figure S-V18.b. Raison Ice Coffee (abbreviation: RIC).



In this “sampler” pack, there were four different variations of the flavor capsule in the filter: purple, red, yellow, and green.

Figure S-V19.a. Luckies Click 4 Mix – Sampler/Yellow (abbreviation: LC4M-S/Yellow).

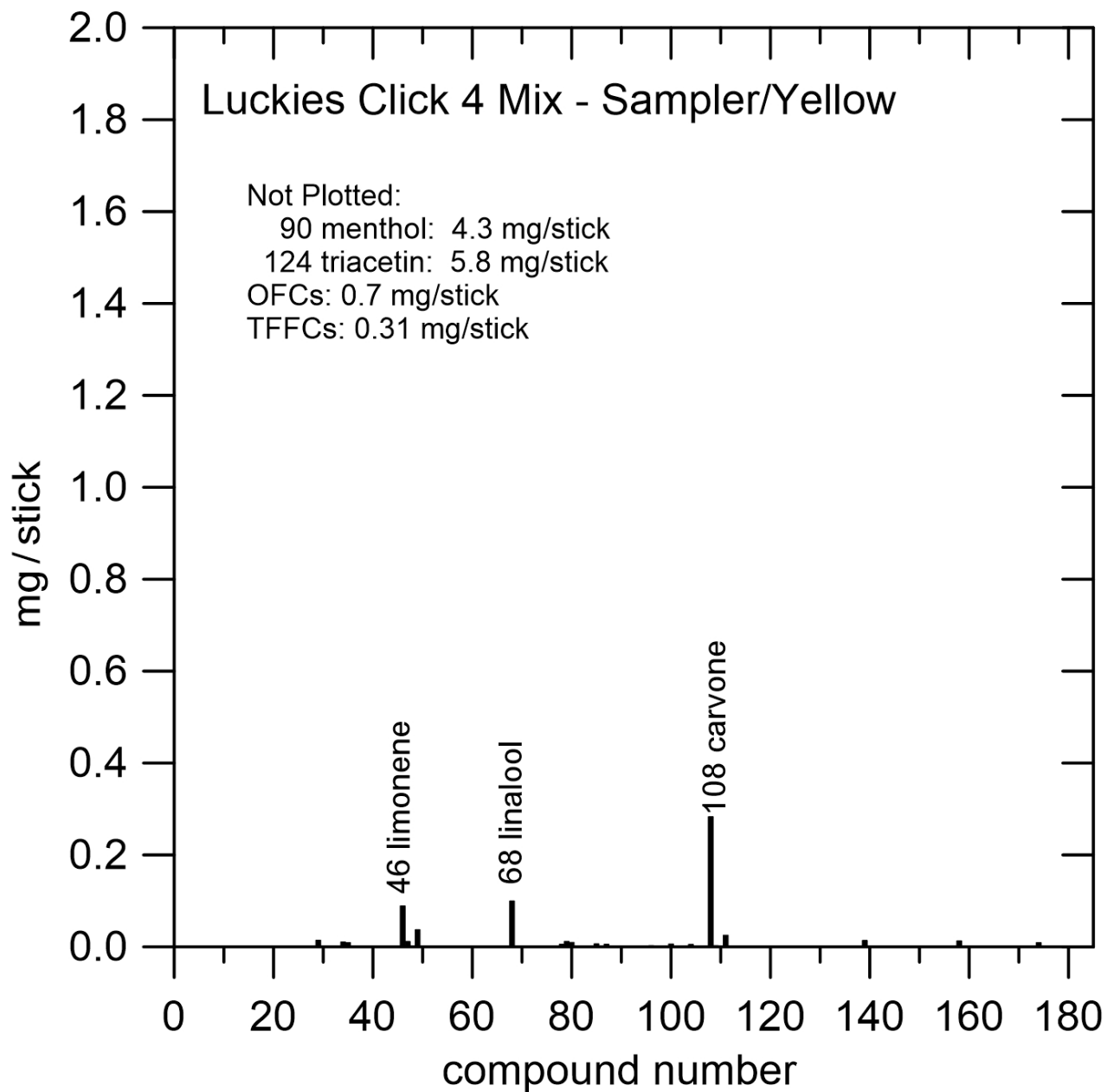


Figure S-V19.b. Luckies Click 4 Mix – Sampler/Yellow (abbreviation: LC4M-S/Yellow).





The filter contained two flavor capsules. The top one was green, and the bottom one was blue.

Figure S-V20.a. Oris Pulse Super Slim Double Mix (abbreviation: OPSSDM)

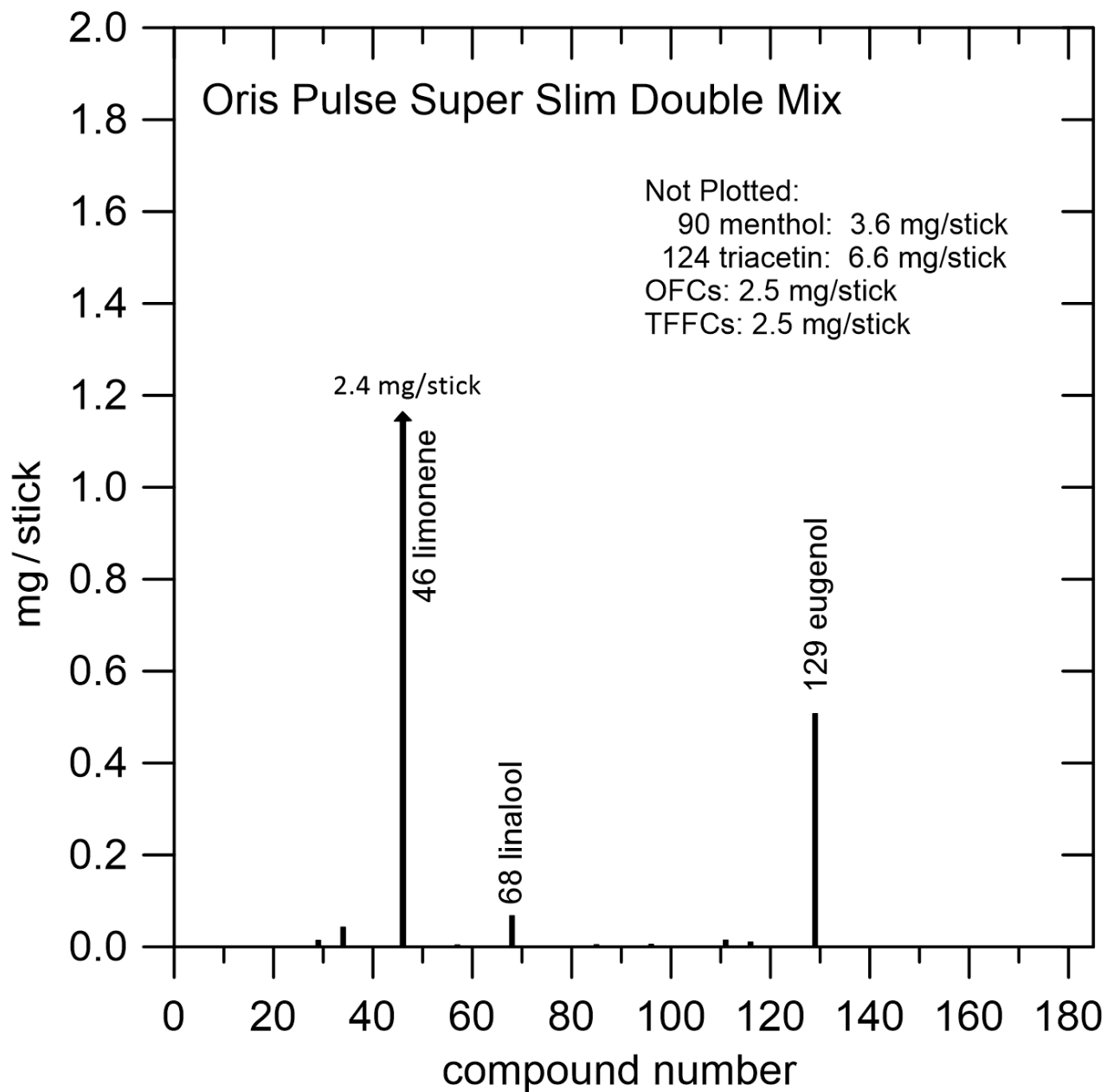


Figure S-V20.b. Oris Pulse Super Slim Double Mix (abbreviation: OPSSDM).



The filter contained no flavor capsule, but carried some color.

Figure S-V21.a. Captain Black Cherise (abbreviation: CptBC).

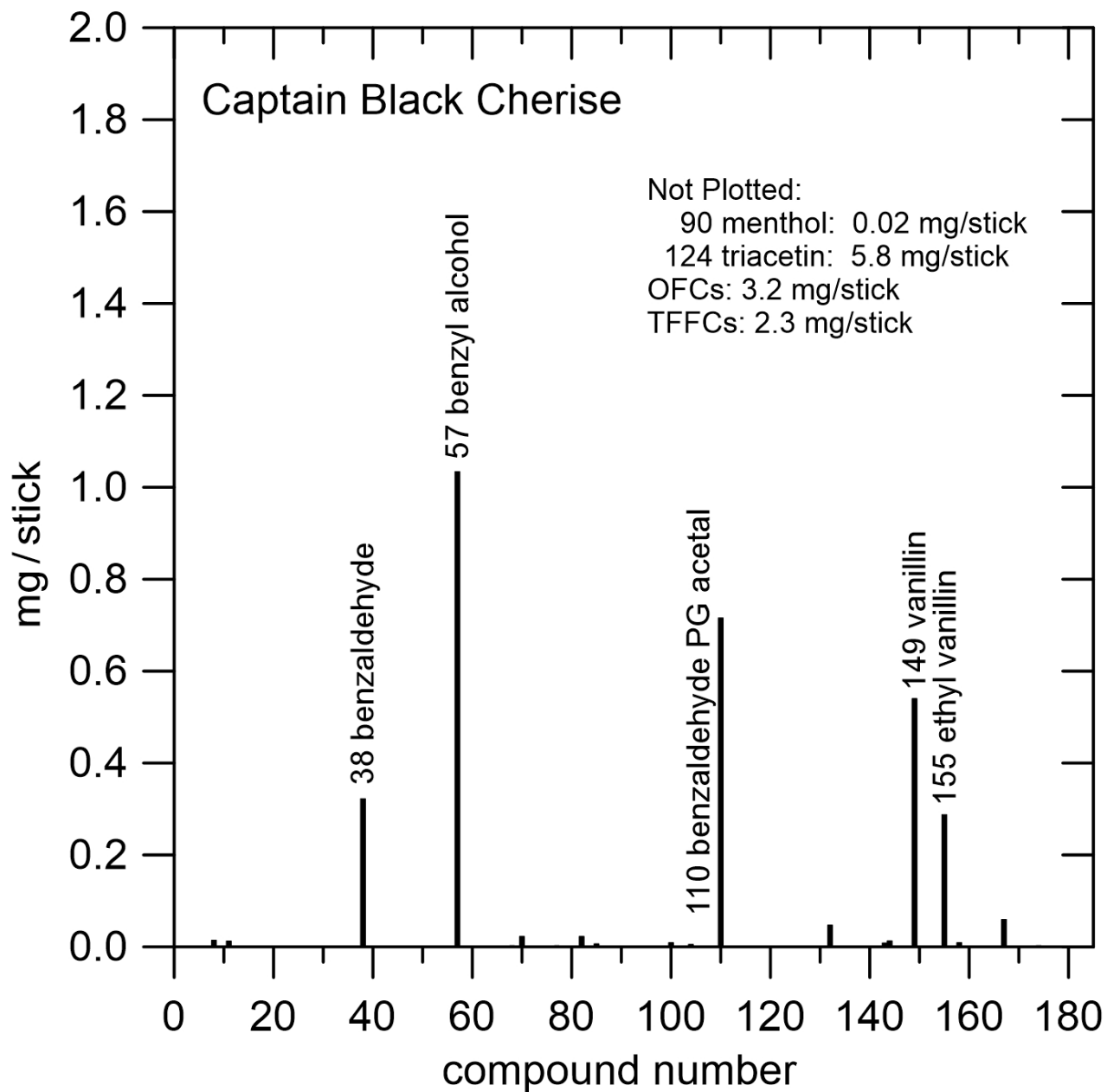


Figure S-V21.b. Captain Black Cherise (abbreviation: CptBC).



The filter contained no flavor capsule, but carried some color.

Figure S-V22.a. Captain Black Grape (abbreviation: CptBG).

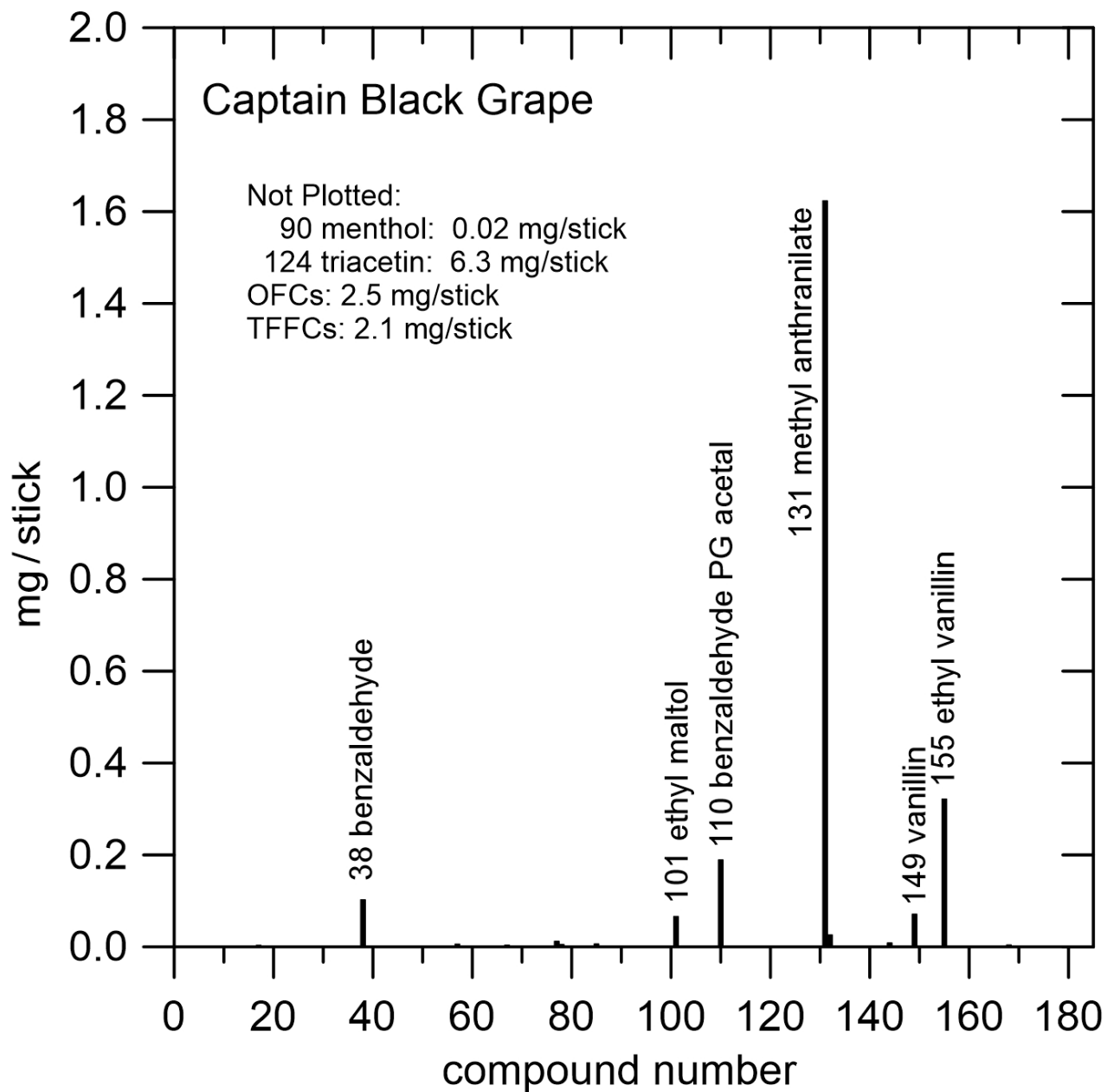


Figure S-V22.b. Captain Black Grape (abbreviation: CptBG)..



Figure S-V23.a. Zouk (abbreviation: Zouk).

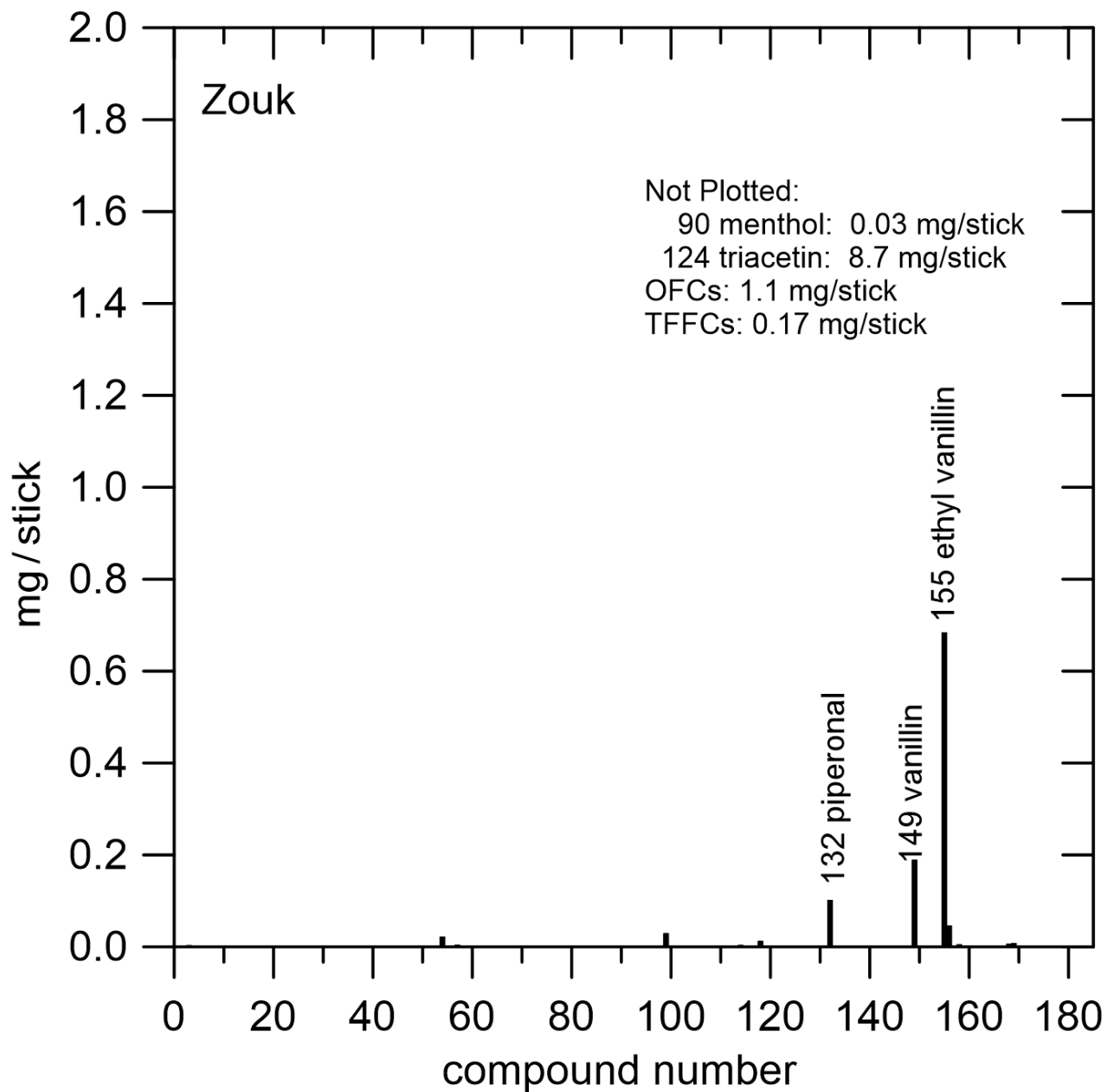


Figure S-V23.b. Zouk (abbreviation: Zouk).





Figure S-V24.a. Canyon Vanilla (abbreviation: CanV).

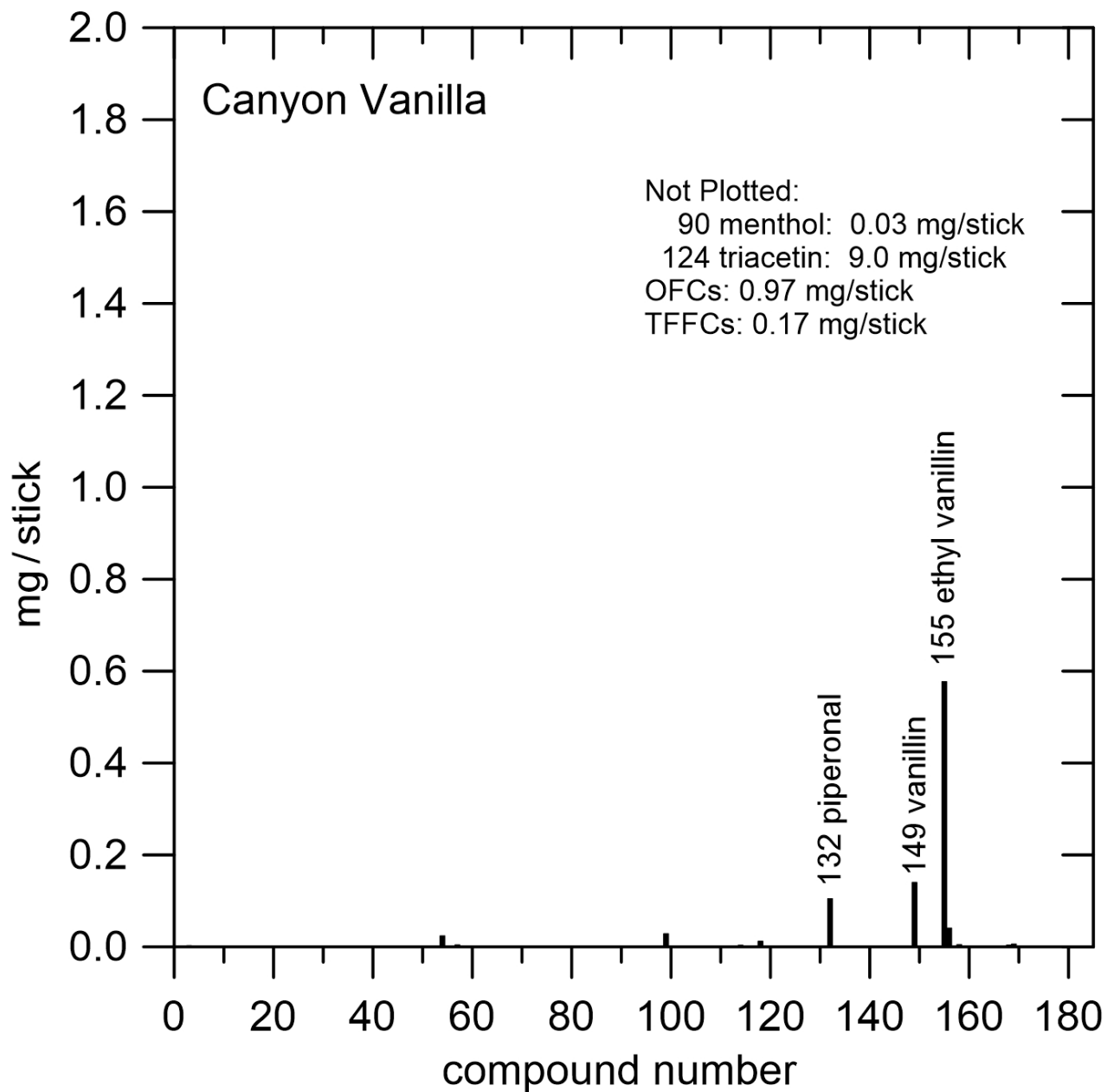


Figure S-V24.b. Canyon Vanilla (abbreviation: CanV).



Figure S-V25.a. Black Devil Café (abbreviation: BDC).

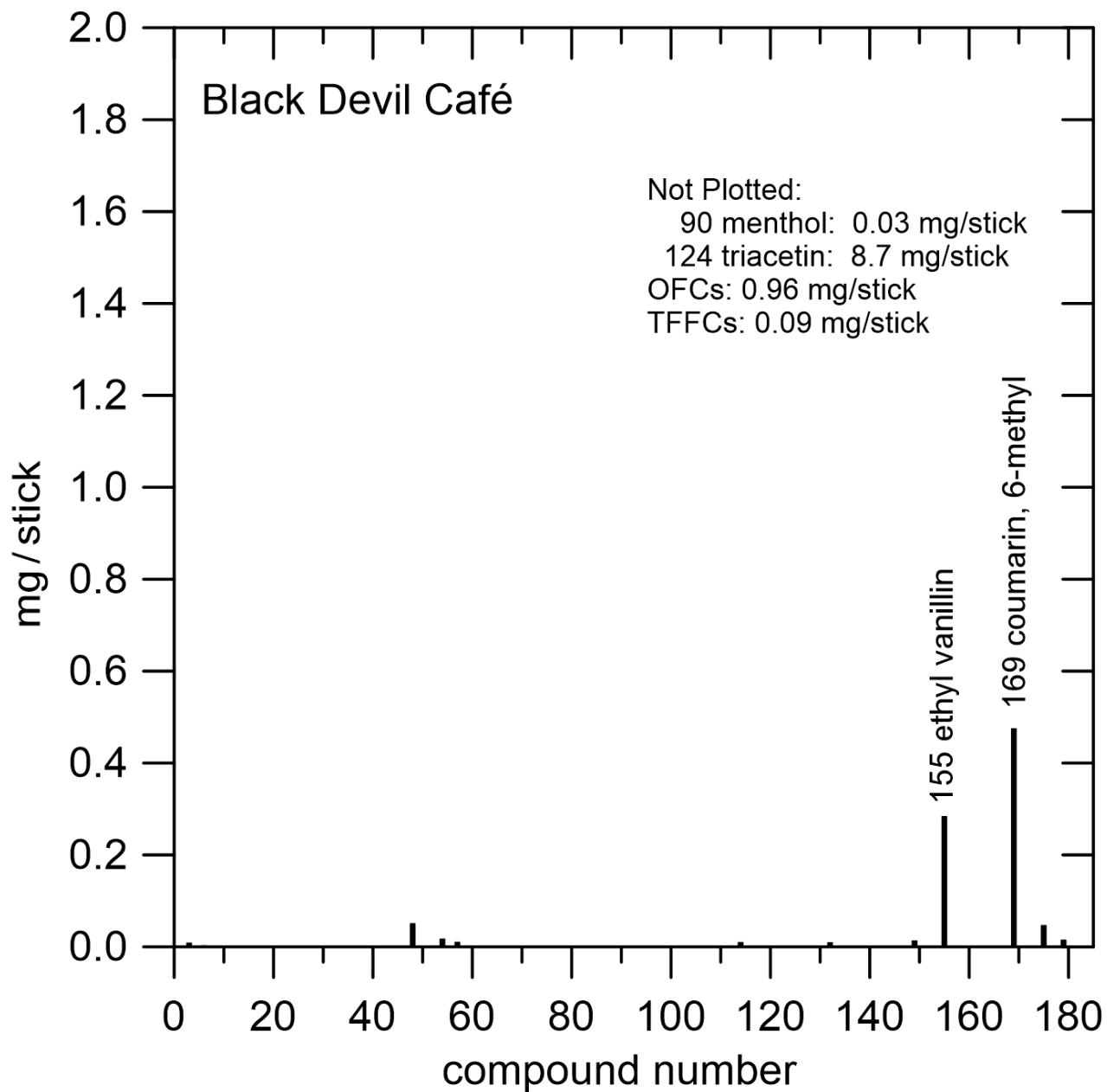


Figure S-V25.b. Black Devil Café (abbreviation: BDC).



Figure S-V26.a. Mond Strawberry Superslims (abbreviation: MoSSS).

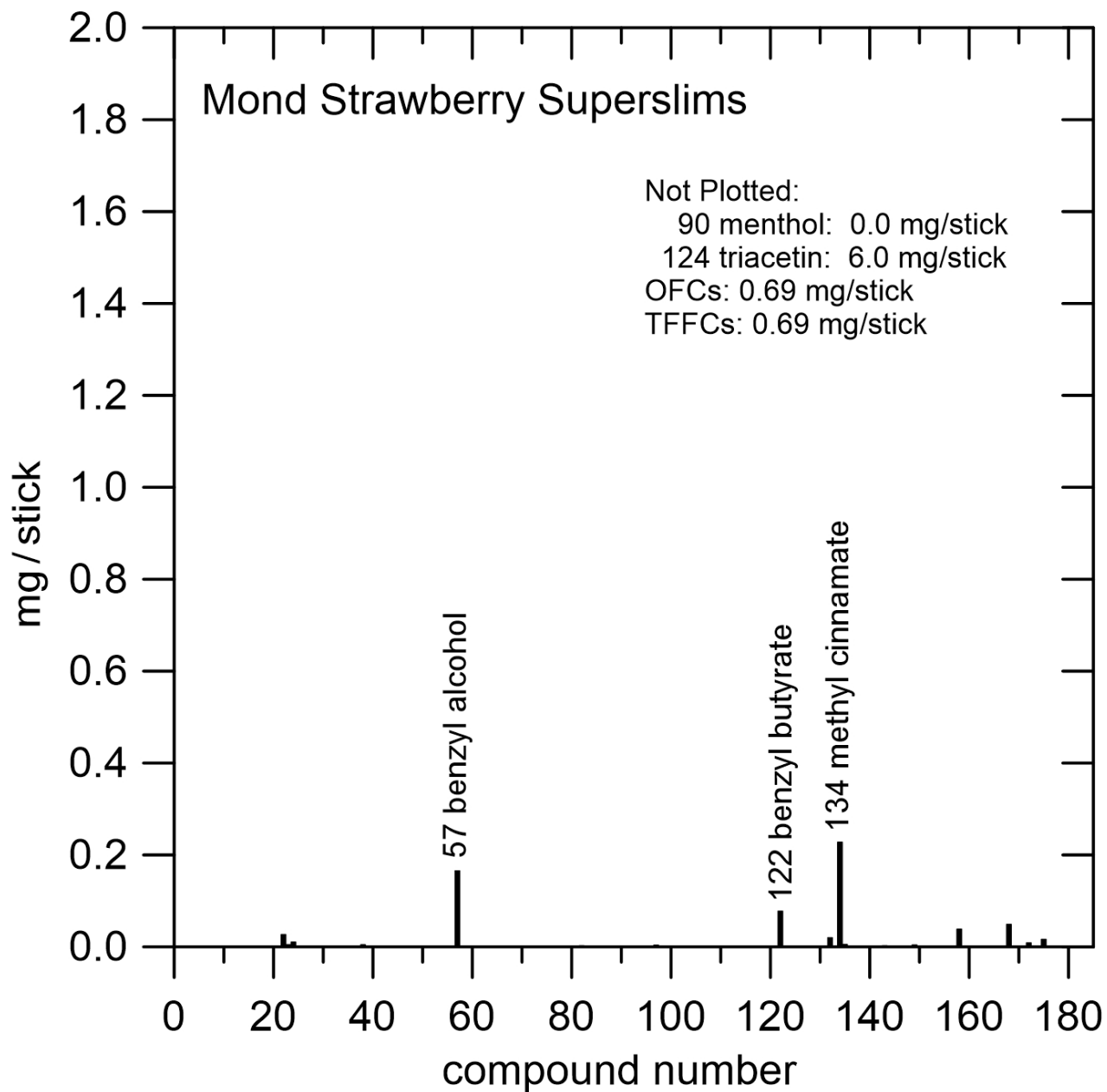


Figure S-V26.b. Mond Strawberry Superslims (abbreviation: MoSSS).



Figure S-V27.a. Mond Super Slims Cherry (abbreviation: MoSSC).

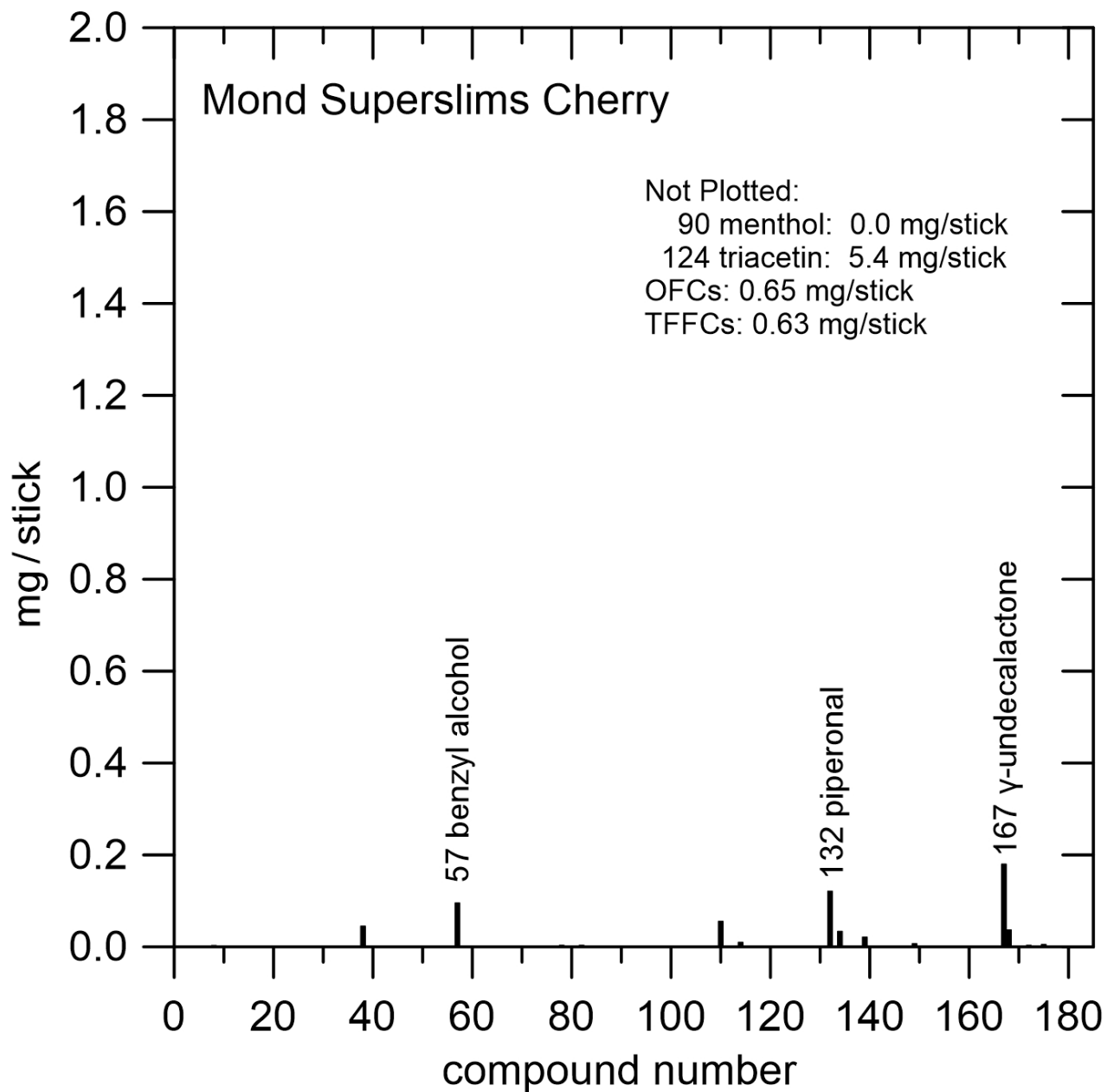


Figure S-V27.b. Mond Superslims Cherry (abbreviation: MoSSC).





Figure S-V28.a. Richmond Coffee Superslim (abbreviation: RCSS).

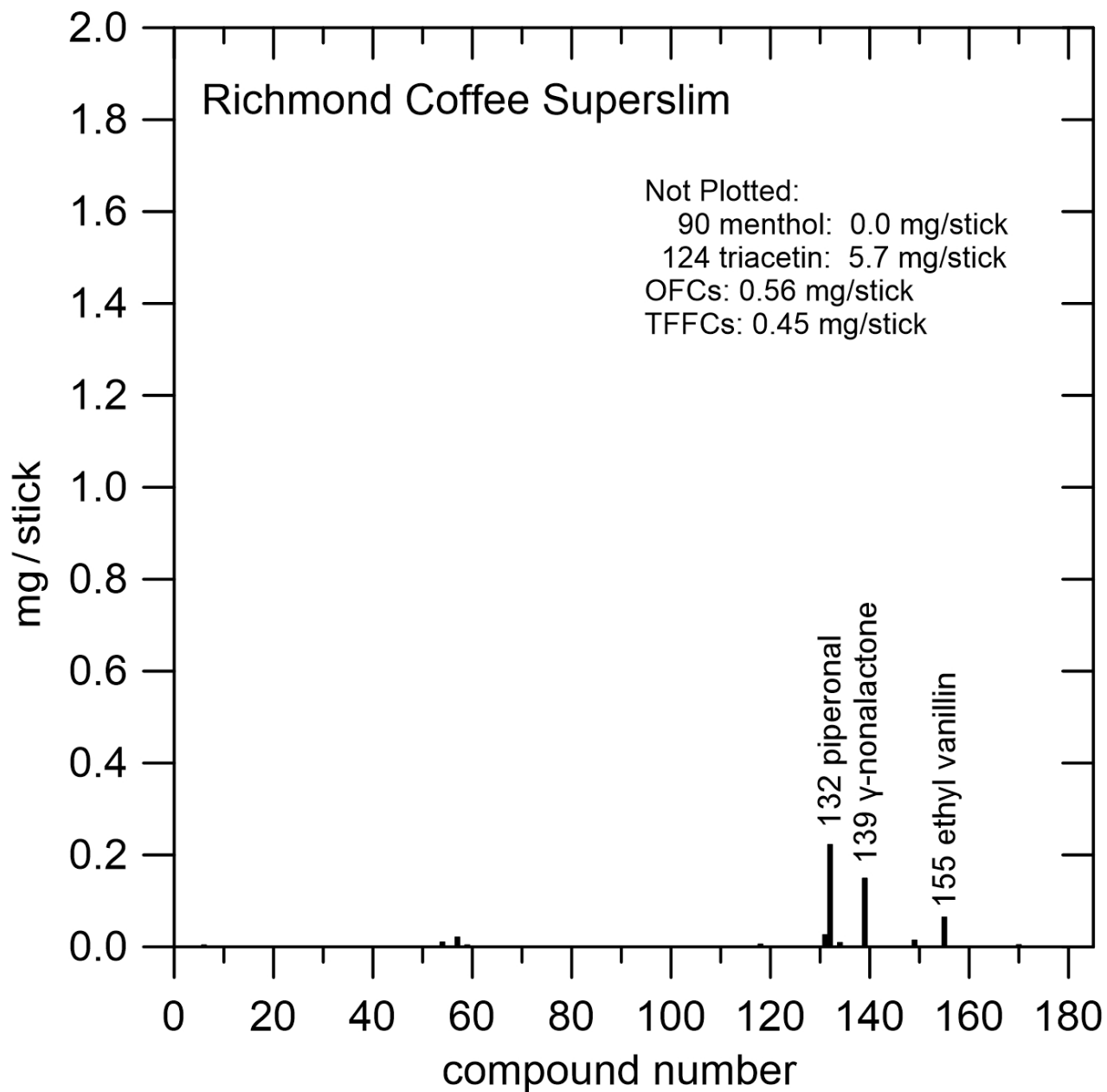


Figure S-V28.b. Richmond Coffee Superslim (abbreviation: RCSS).



Figure S-V29.a. Chapman No.3 Coffee (abbreviation: ChN3Cof).

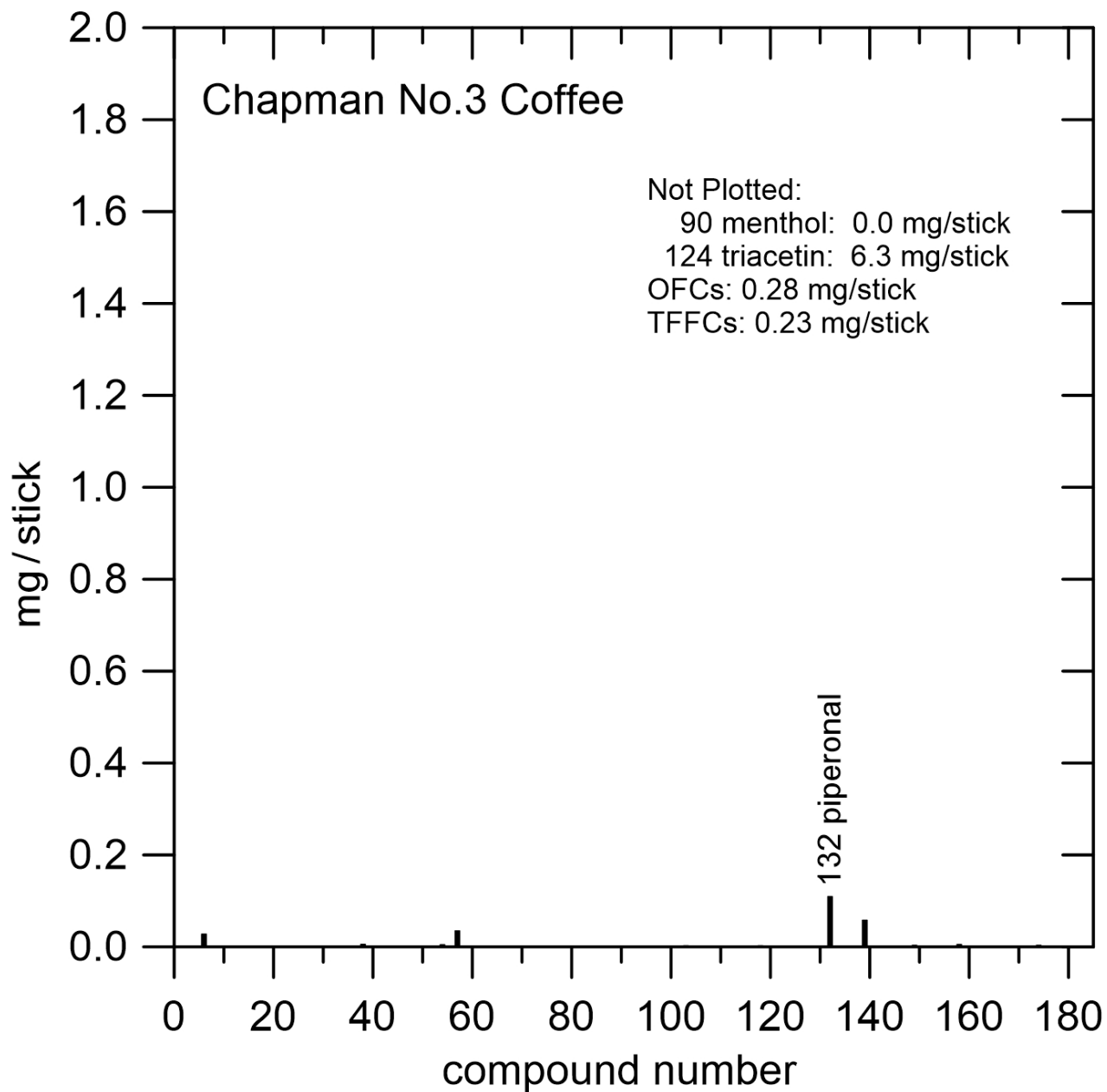


Figure S-V29.b. Chapman No.3 Coffee (abbreviation: ChN3Cof).



The filter contained no flavor capsule but carried some color.

Figure S-V30.a. Richmond Cherry Superslim (abbreviation: RCSS).

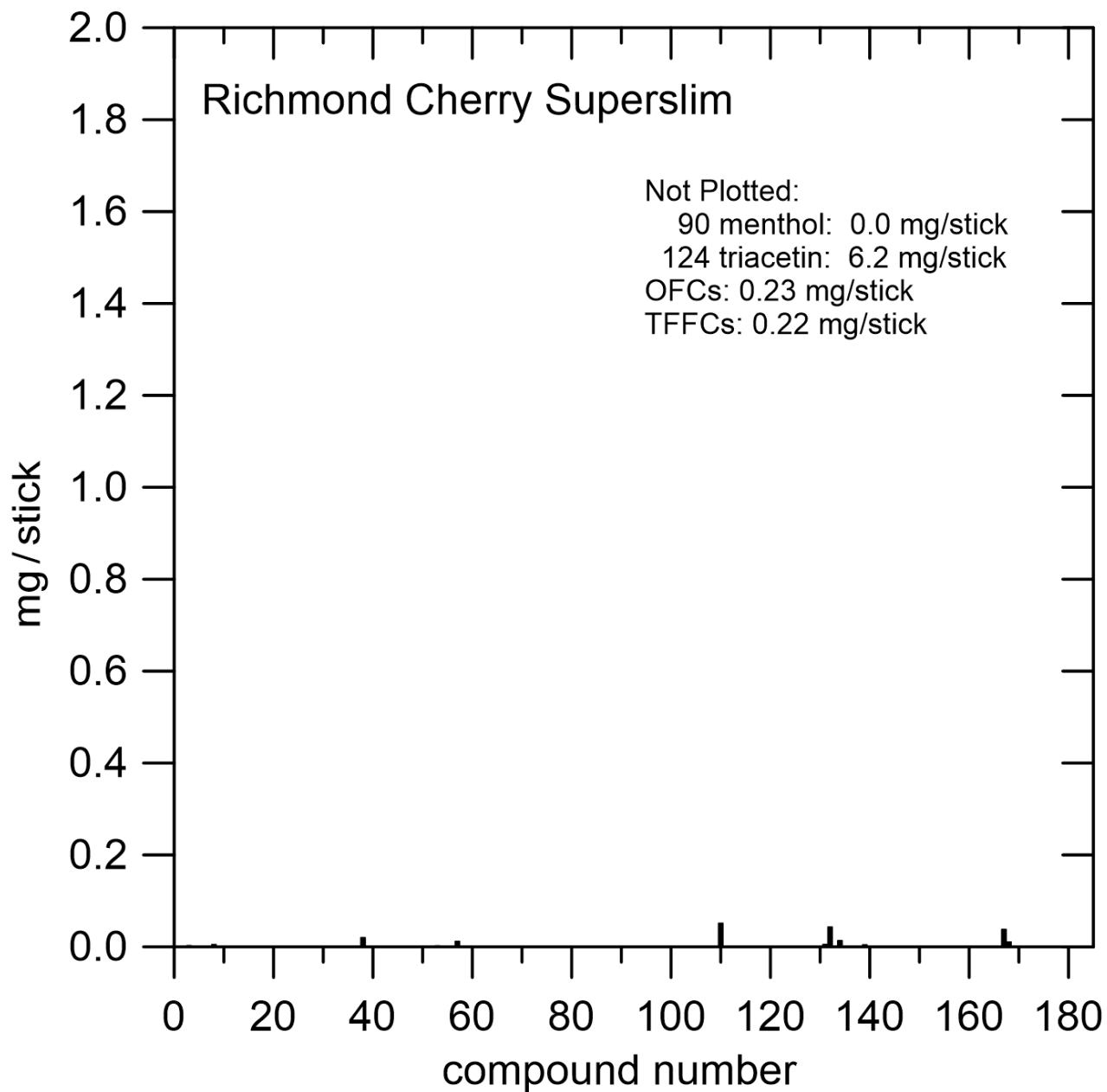


Figure S-V30.b. Richmond Cherry Superslim (abbreviation: RCSS).



Figure S-V31.a. Chapman No.3 Cherry (abbreviation: ChN3Ch).

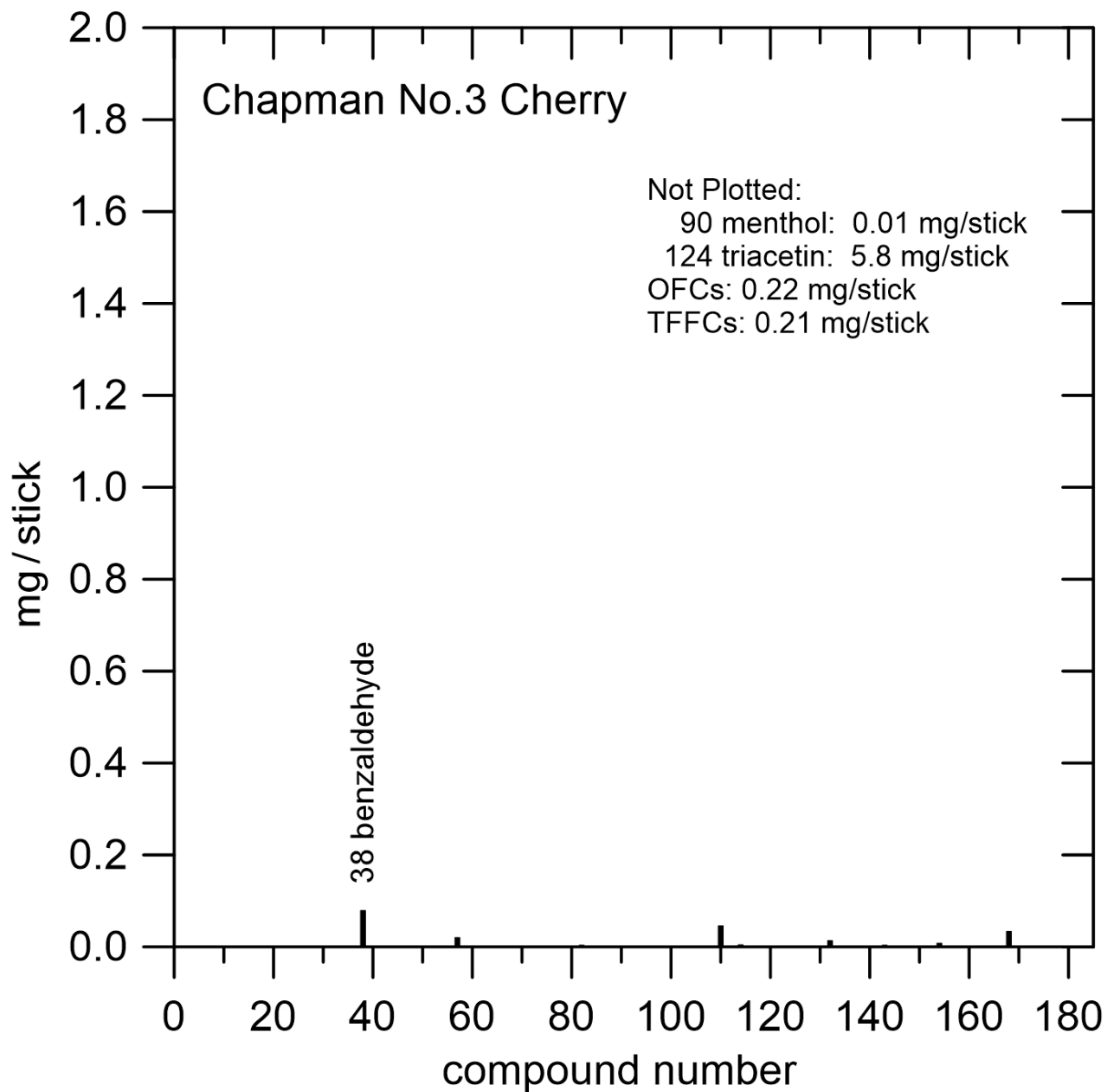


Figure S-V31.b. Chapman No.3 Cherry (abbreviation: ChN3Ch).





The filter has no flavor capsule, but it carries some color.

Figure S-V32.a. Captain Black Dark Crema (abbreviation: CptBDCr).

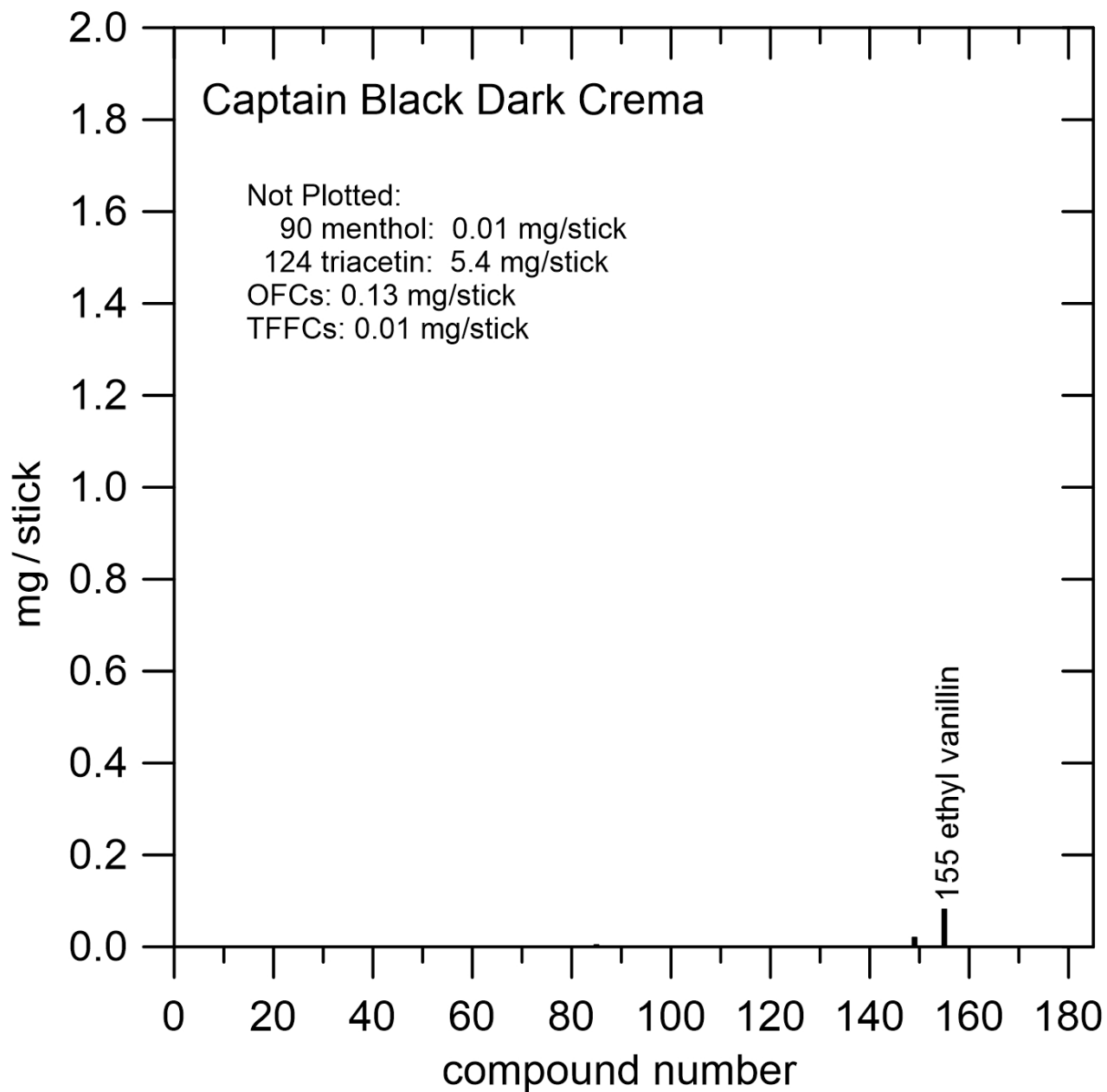
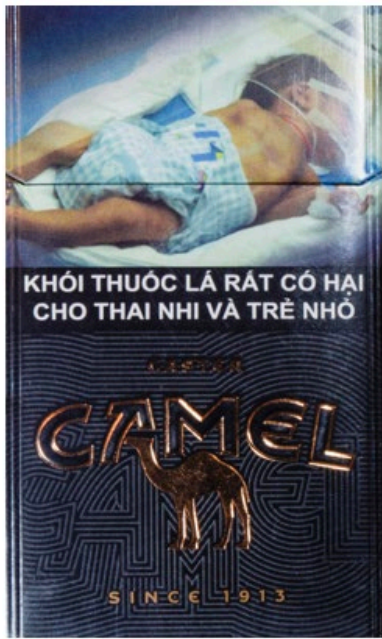


Figure S-V32.b. Captain Black Dark Crema (abbreviation: CptBDCr).



The filter has two parts. The bottom part contained some granules that appeared to be charcoal.

Figure S-V33.a. Camel Caster (abbreviation: CC).

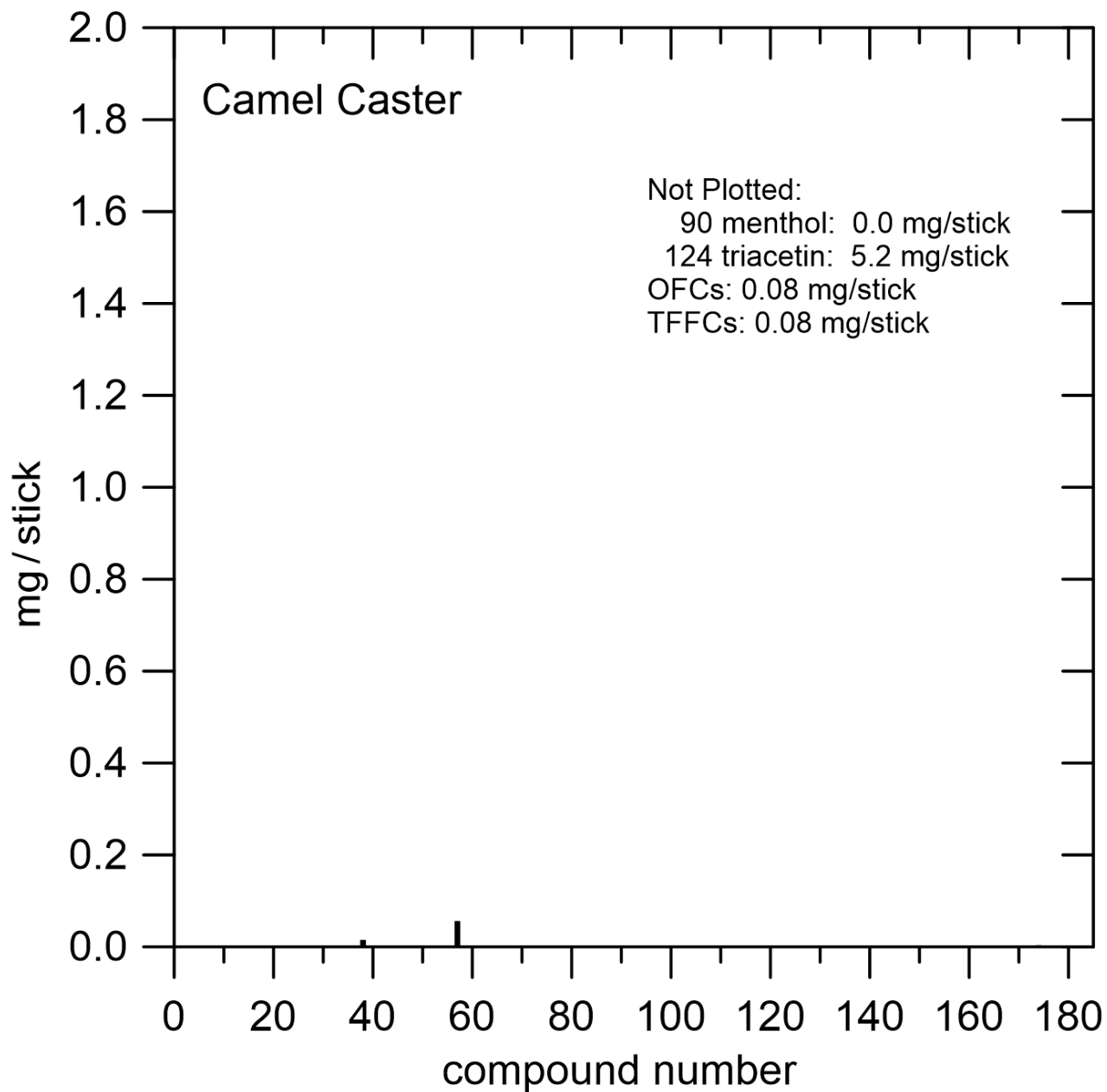


Figure S-V33.b. Camel Caster (abbreviation: CC).



The filter has two parts. The bottom part contained some granules that appeared to be charcoal.

Figure S-V34.a. Camel Filters (abbreviation: CF).

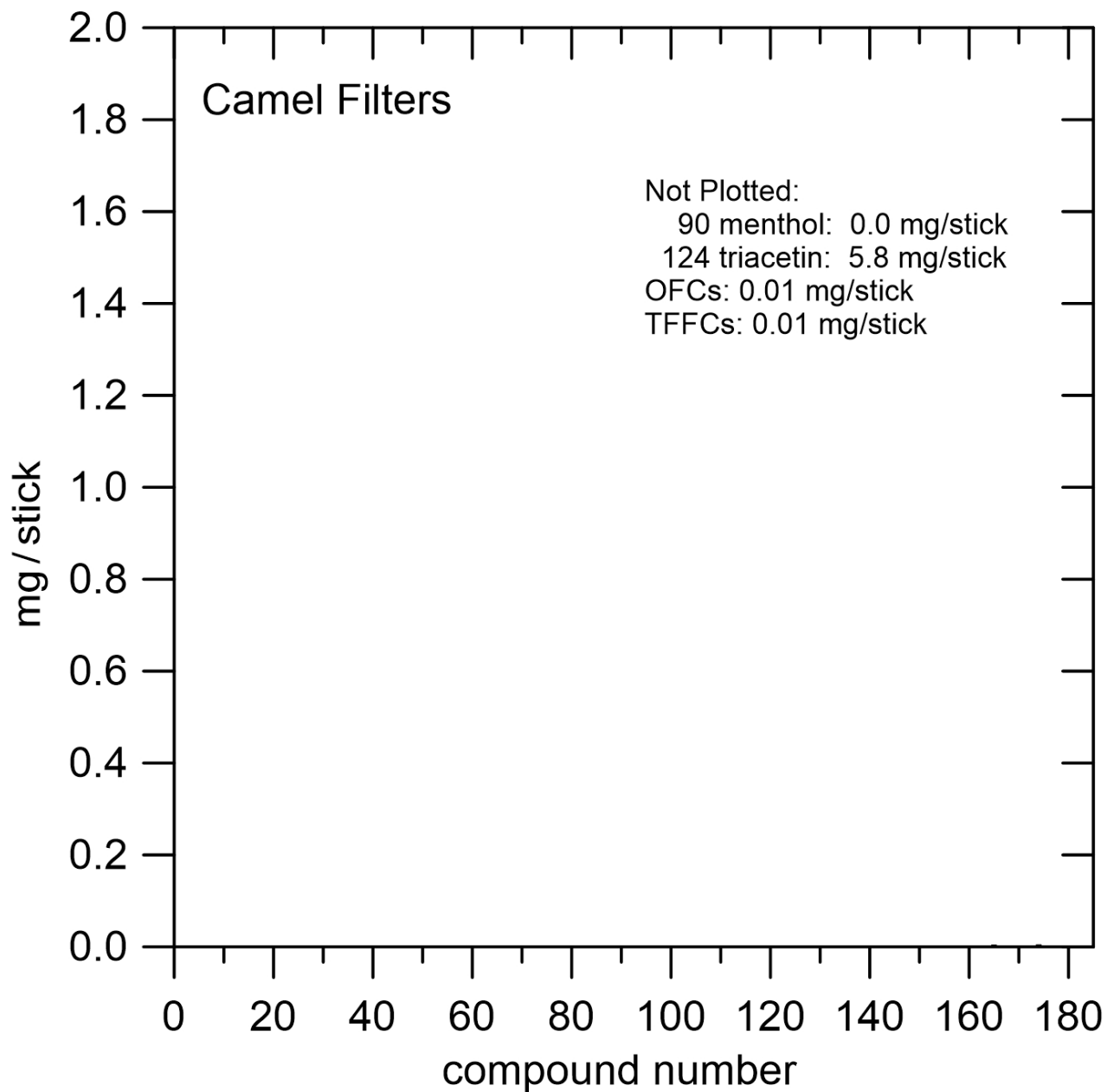


Figure S-V34.b. Camel Filters (abbreviation: CF).



The filter has two parts. The bottom part contained some granules that appeared to be charcoal.

Figure S-V35.a. Kent Nanotek 2.0 (abbreviation: KN2).

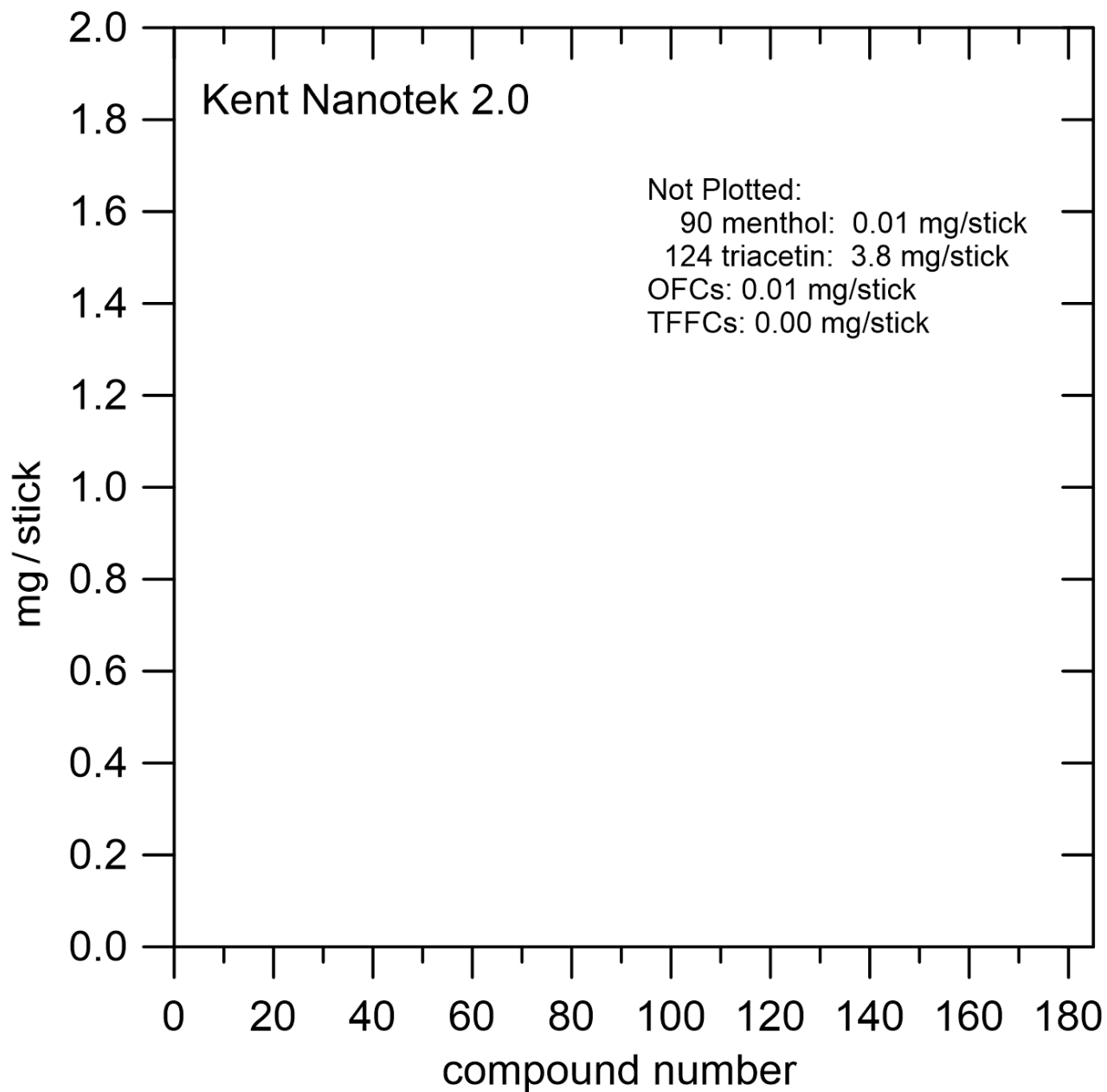


Figure S-V35.b. Kent Nanotek 2.0 (abbreviation: KN2).



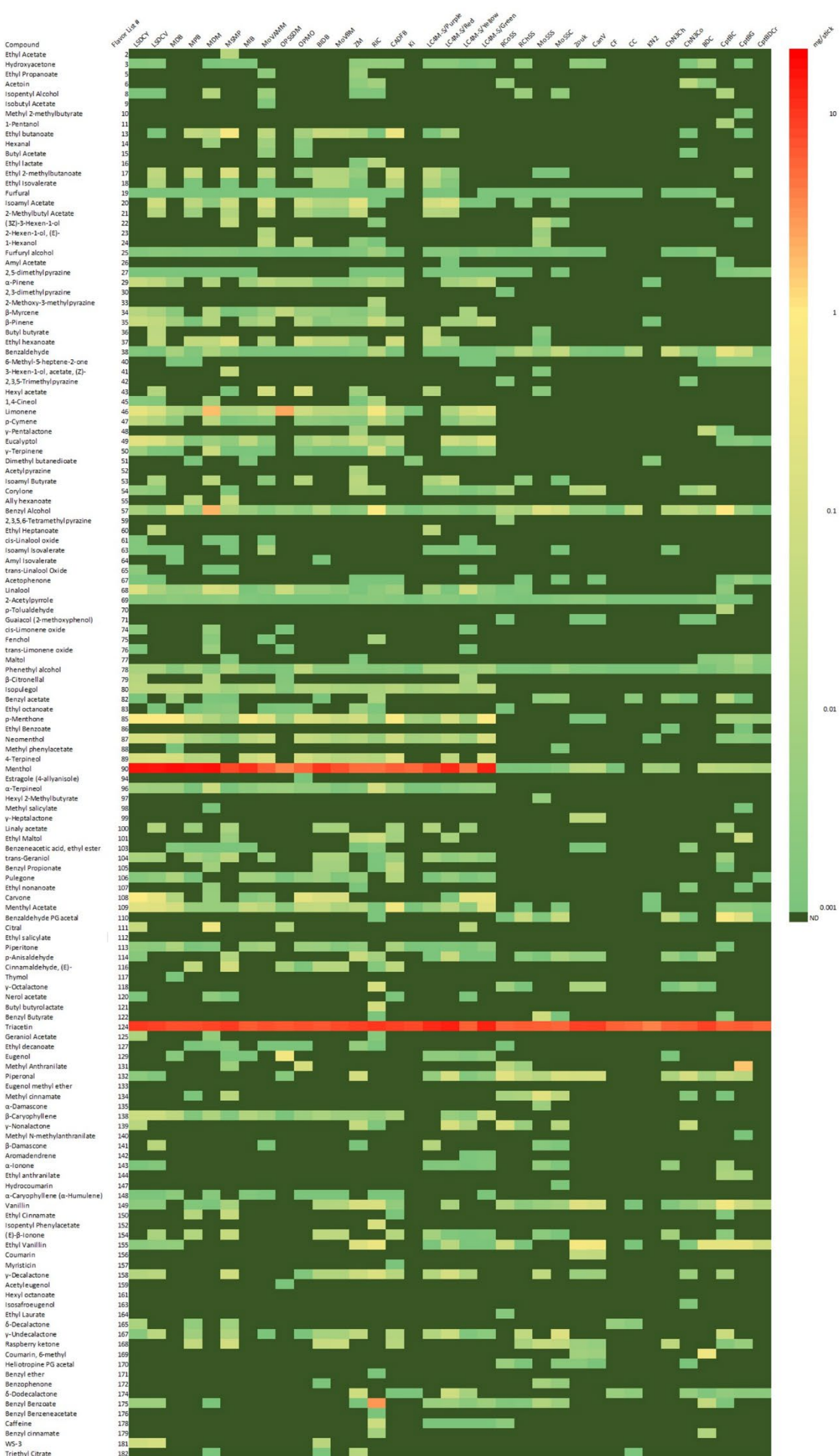
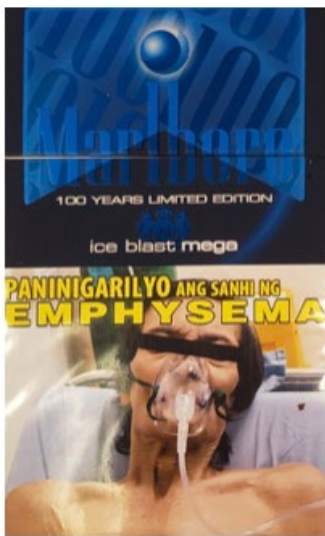


Figure S-V36. Flavor Chemical Level Heat Map, All Cigarettes: Vietnam.



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P1.a. Marlboro Ice Blast Mega (abbreviation: MIBM).

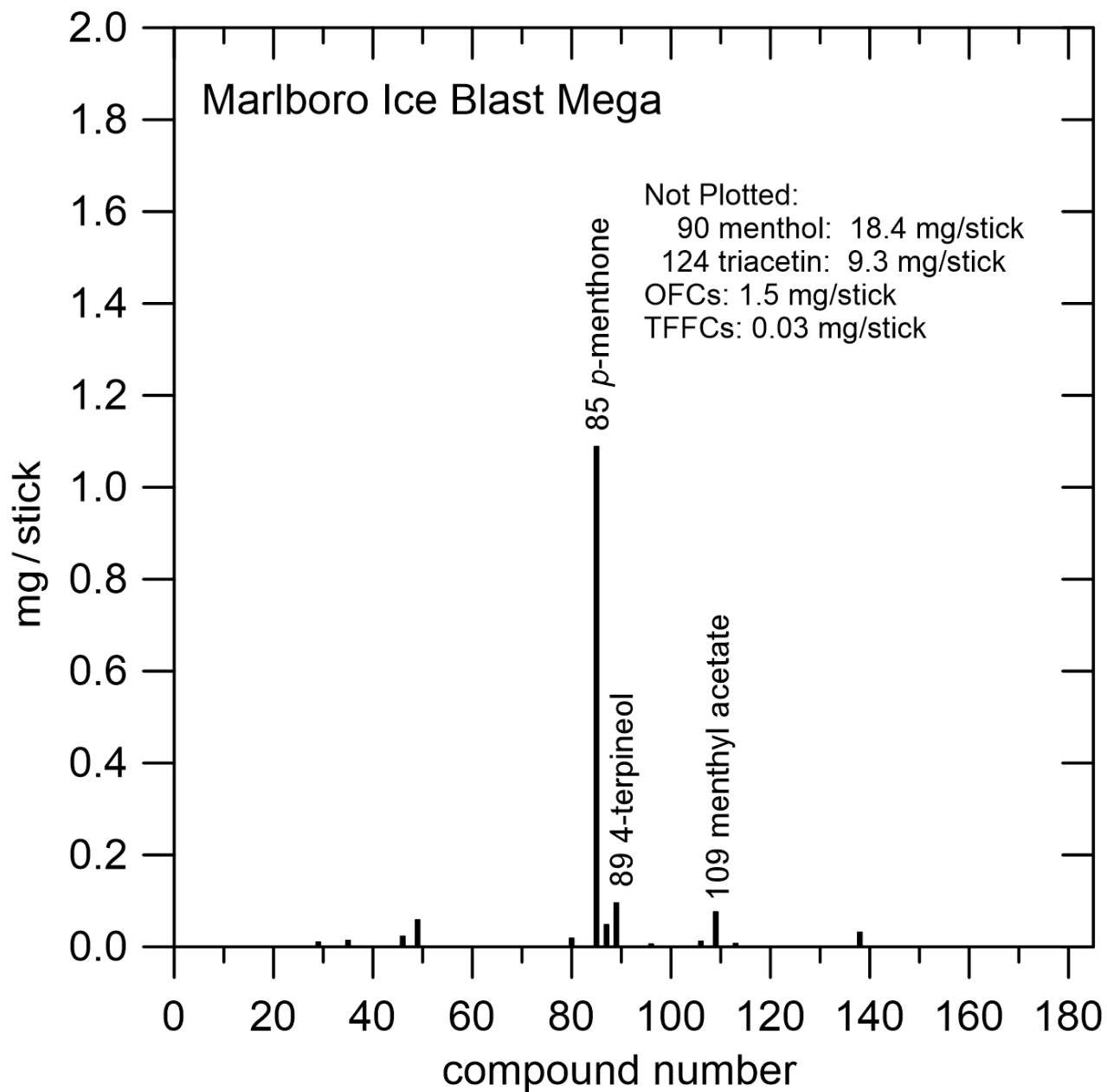
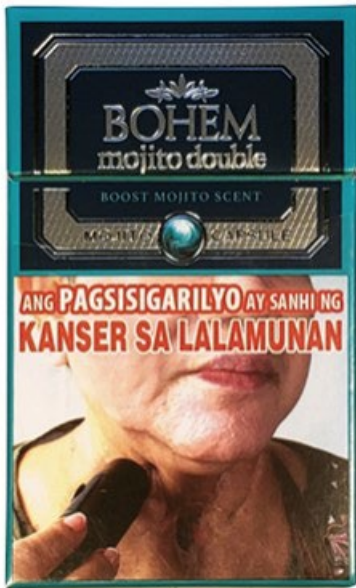


Figure S-P1.b. Marlboro Ice Blast Mega (abbreviation: MIBM).



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P2.a. Bohem Mojito Double (abbreviation: BoMD).

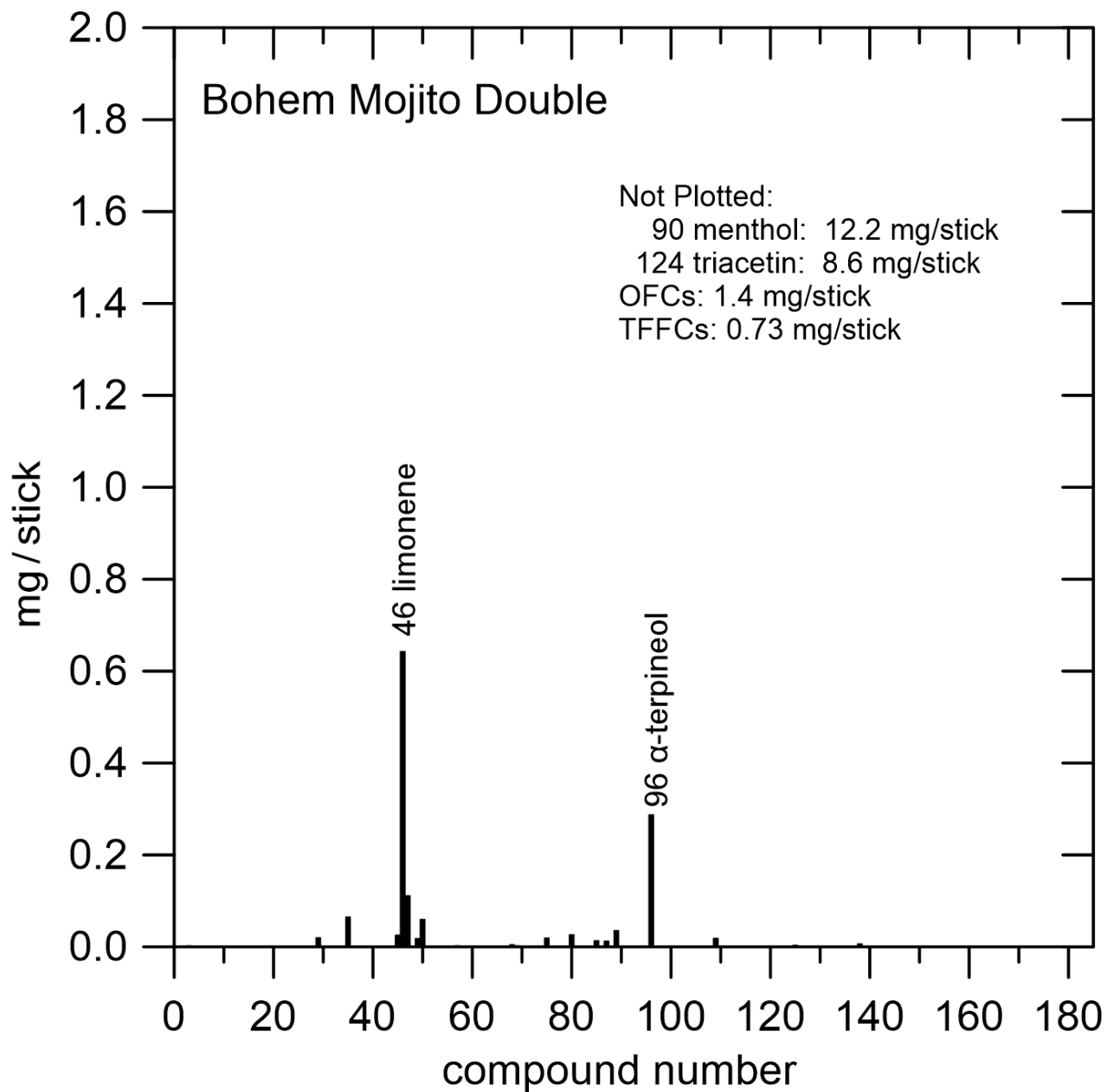
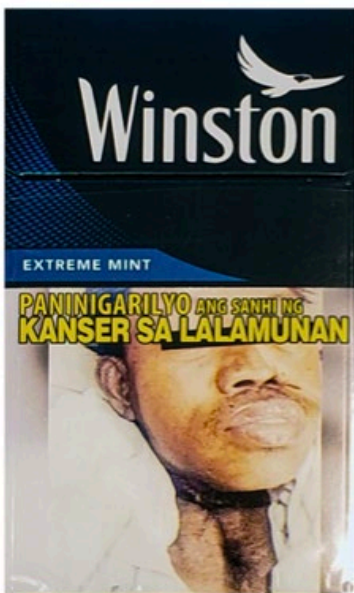


Figure S-P2.b. Bohem Mojito Double (abbreviation: BoMD).



The filter contained an embedded string.

Figure S-P3.a. Winston Intense Mint (abbreviation: WIM).

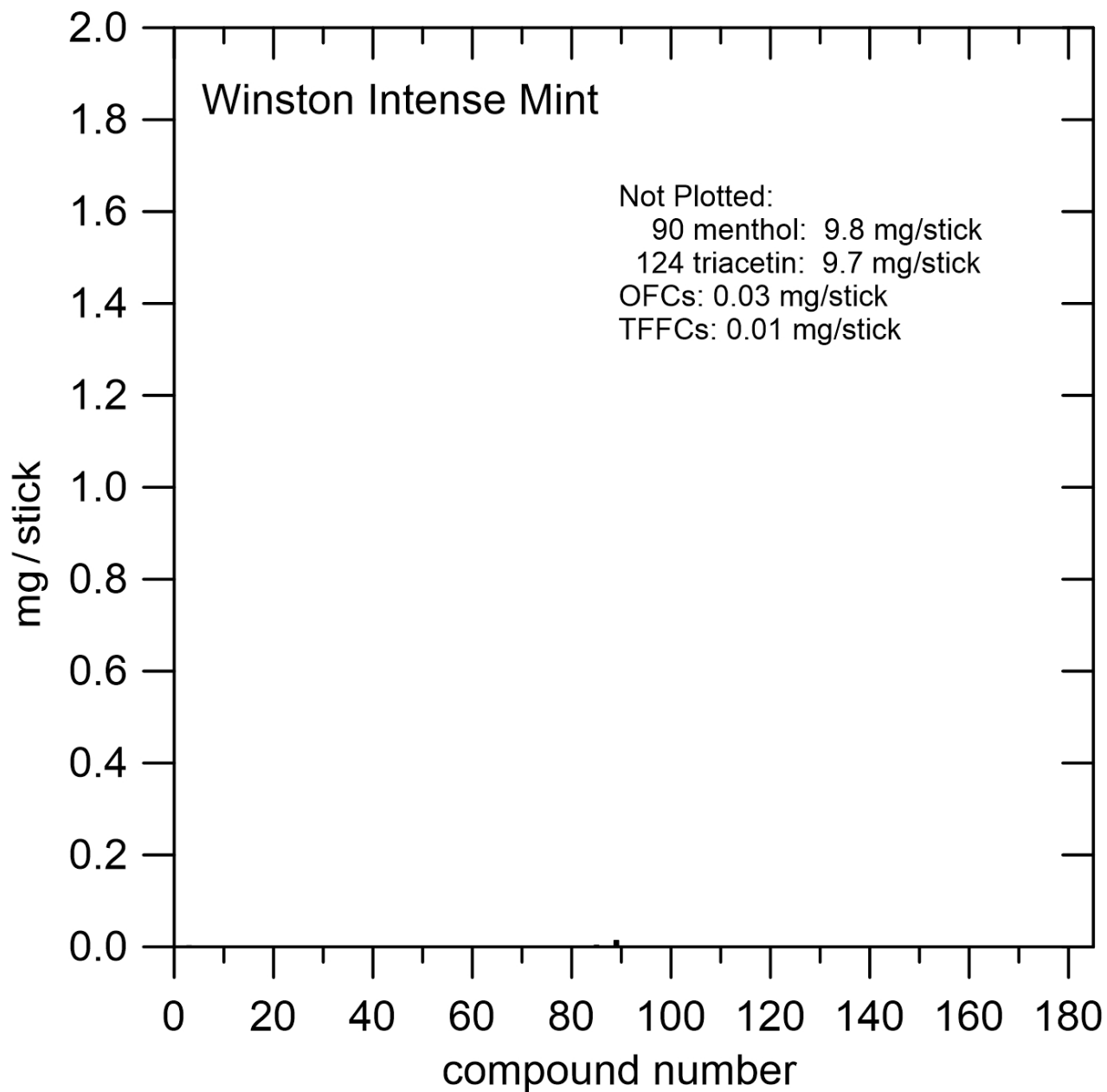
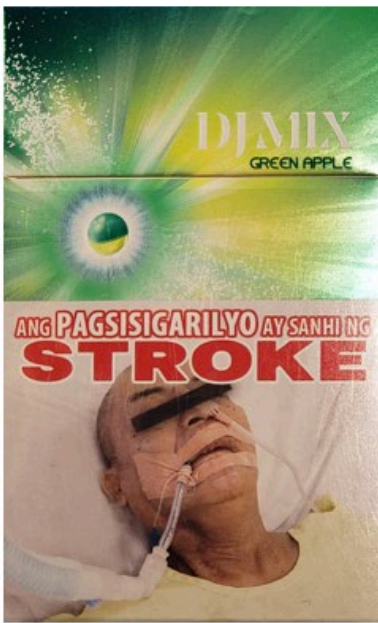


Figure S-P3.b. Winston Intense Mint (abbreviation: WIM).



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P4.a. DJ Mix Green Apple (abbreviation: DJMGA).



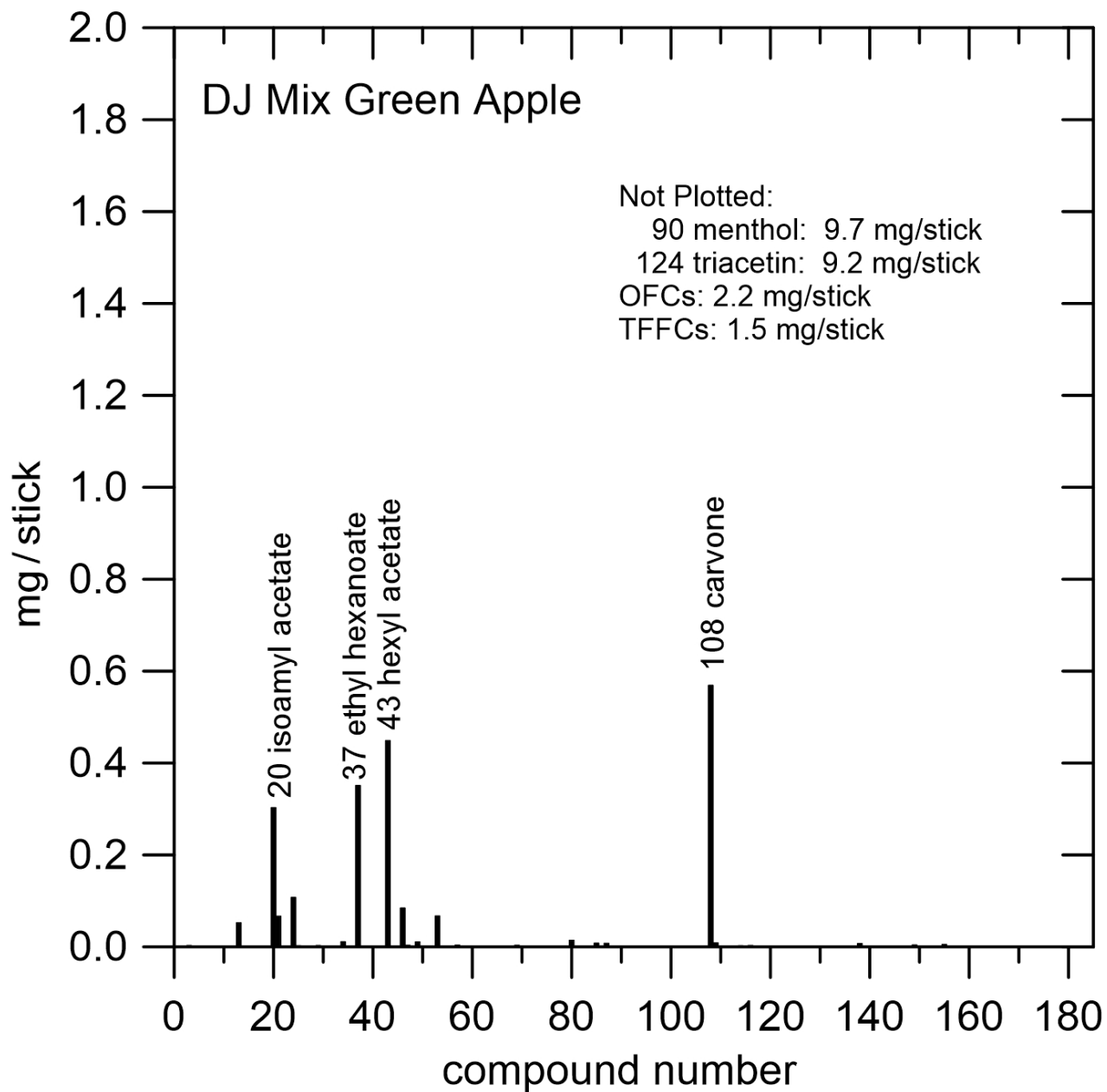


Figure S-P4.b. DJ Mix Green Apple (abbreviation: DJMGA).



The filter contained an embedded string.

Figure S-P5.a. Winston Extreme Mint (abbreviation: WEM).

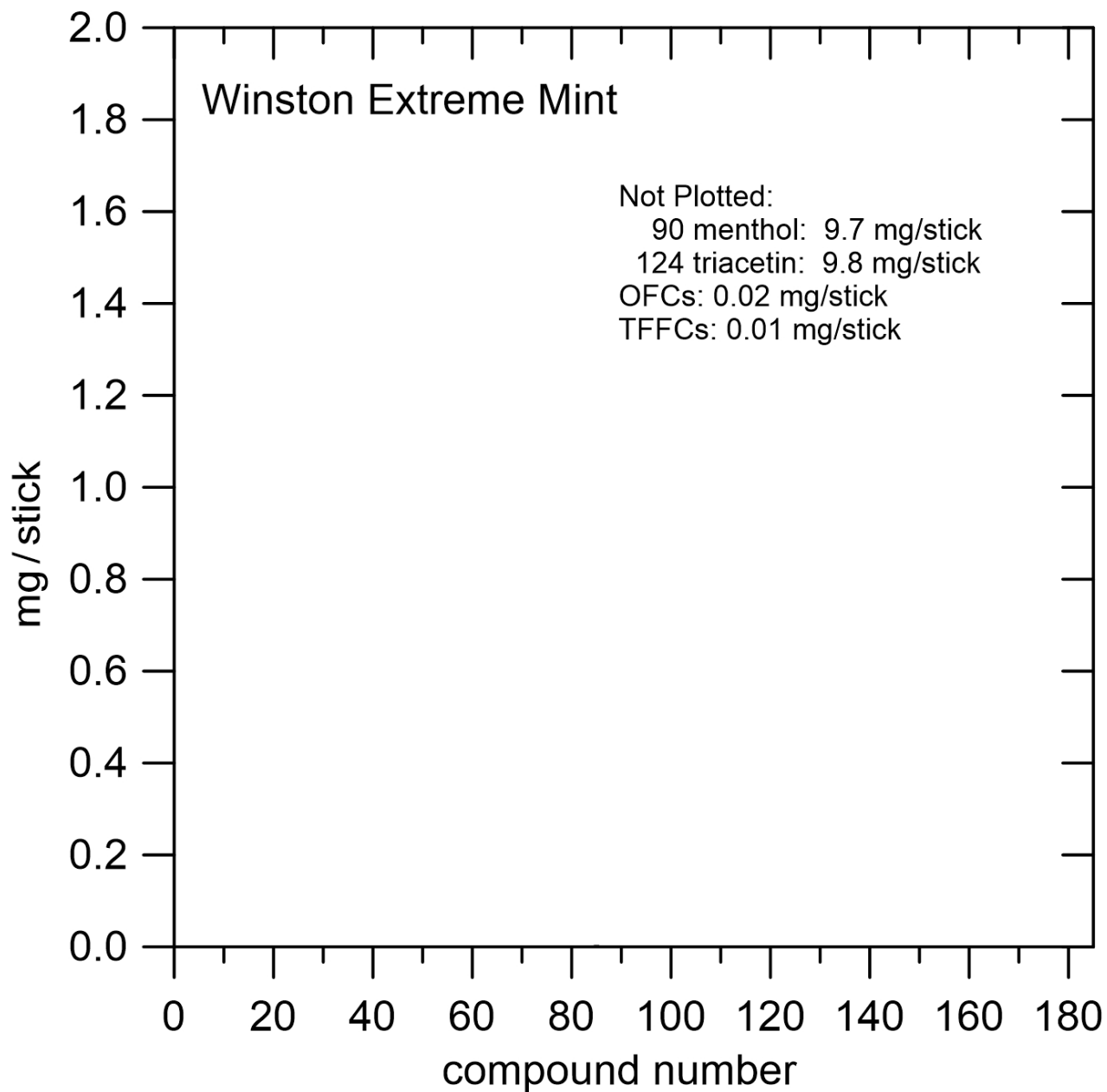
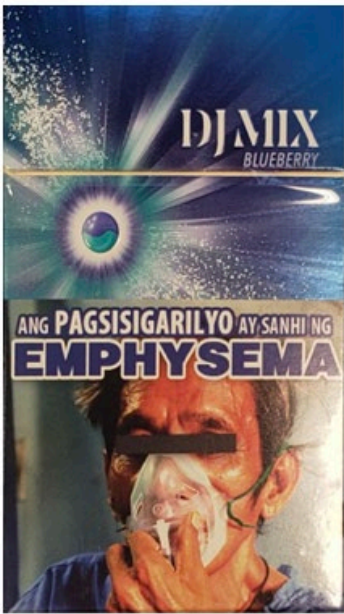


Figure S-P5.b. Winston Extreme Mint (abbreviation: WEM).



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P6.a. DJ Mix Blueberry (abbreviation: DJMB).

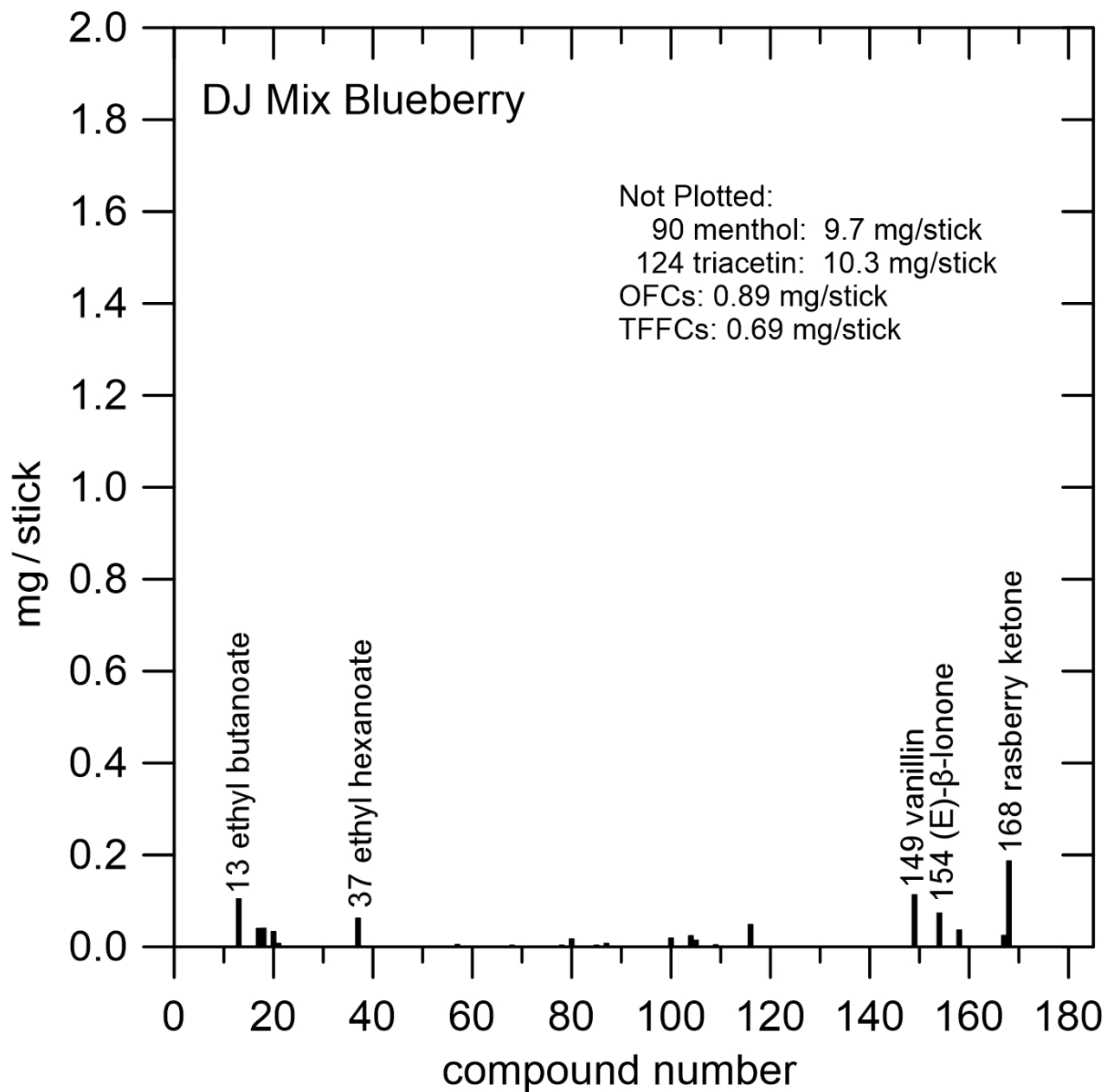


Figure S-P6.b. DJ Mix Blueberry (abbreviation: DJMB).



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P7.a. Winston Purple Mint (abbreviation: WPM).

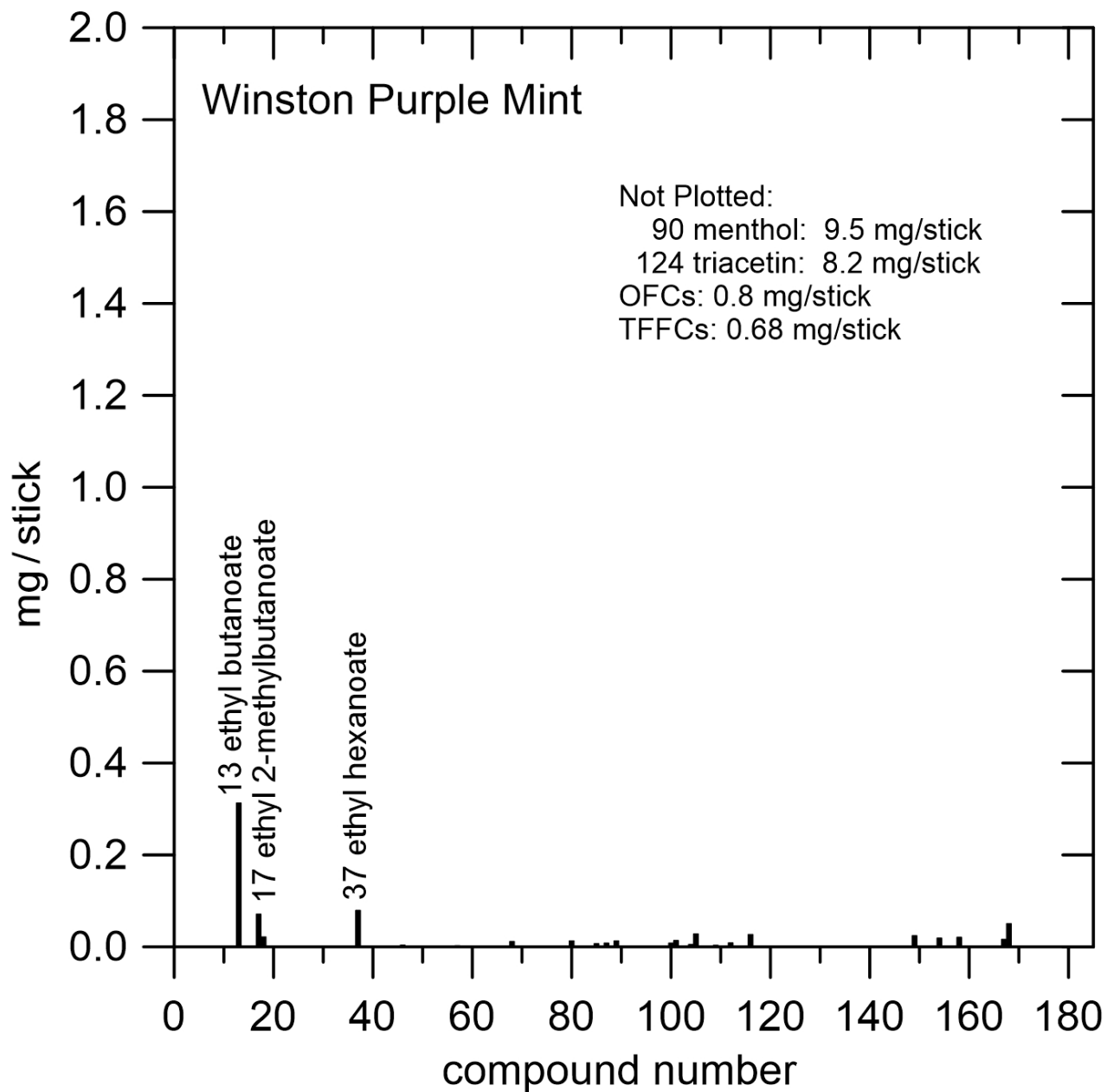
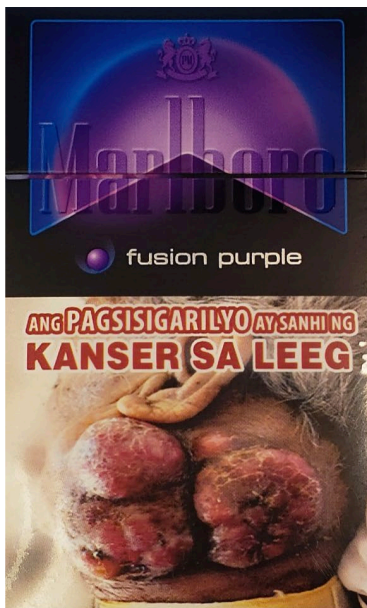


Figure S-P7.b. Winston Purple Mint (abbreviation: WPM).



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P8.a. Marlboro Fusion Purple (abbreviation: MFP).



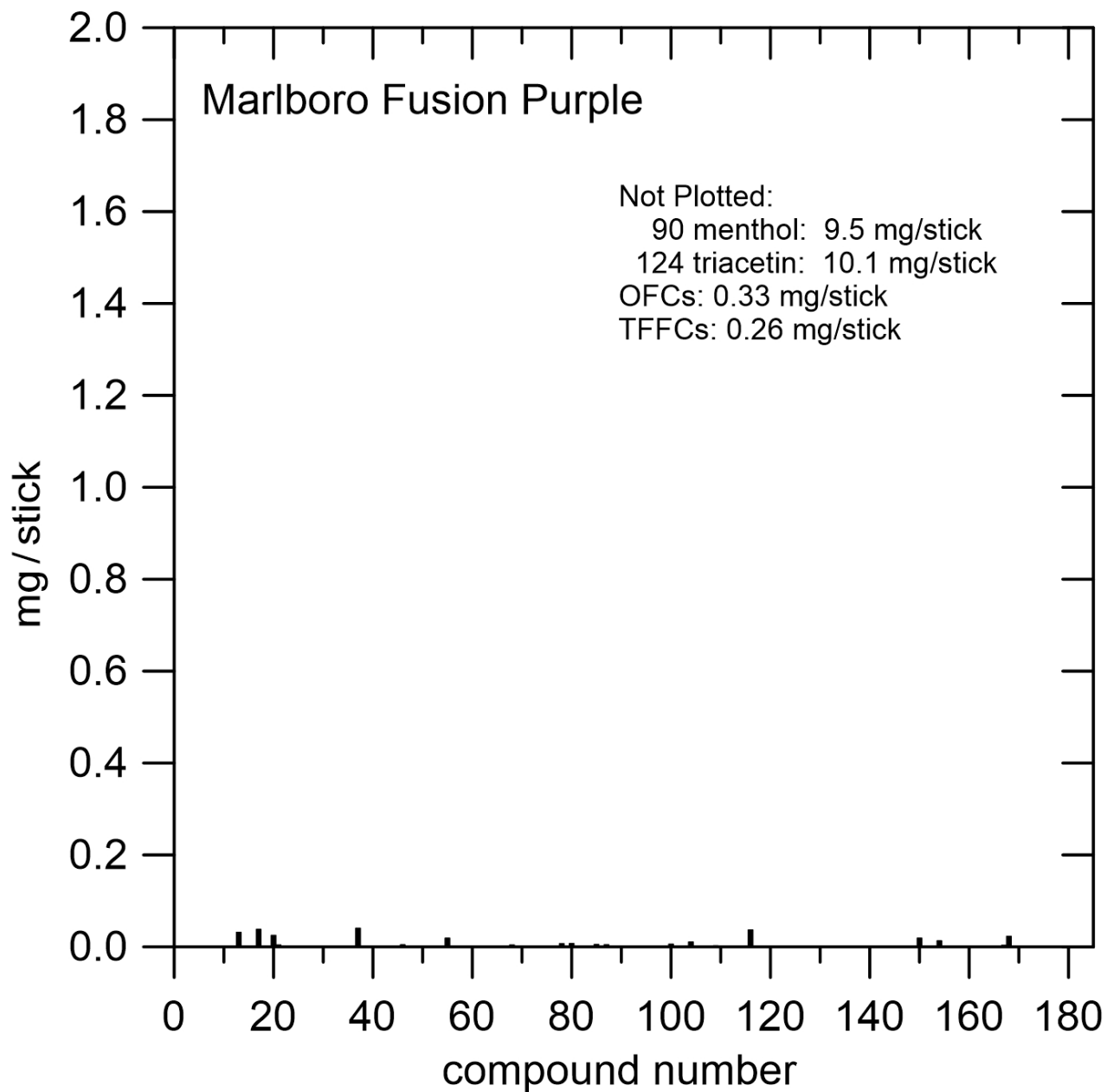
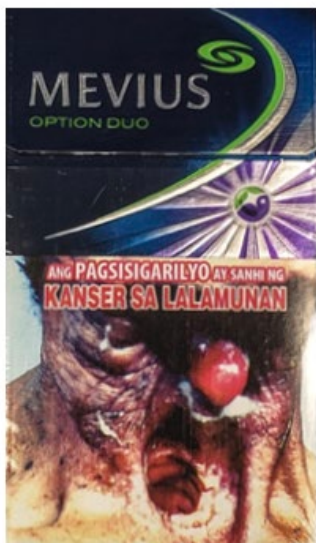


Figure S-P8.b. Marlboro Fusion Purple (abbreviation: MFP)



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P9.a. Mevius Option Duo (abbreviation: MeOD).

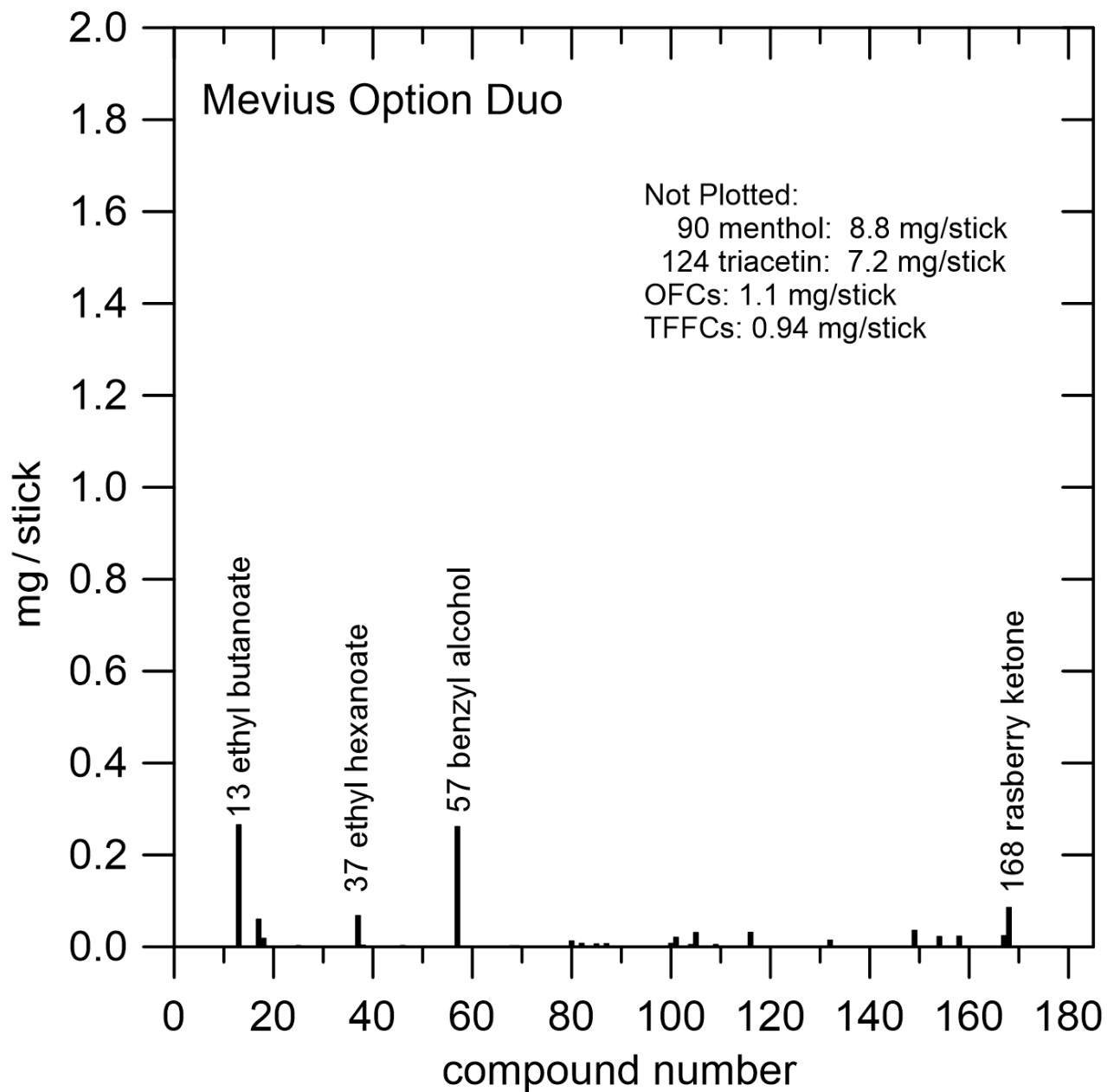


Figure S-P9.b. Mevius Option Duo (abbreviation: MeOD).



Figure S-P10.a. Marlboro Black Menthol (abbreviation: MBM).

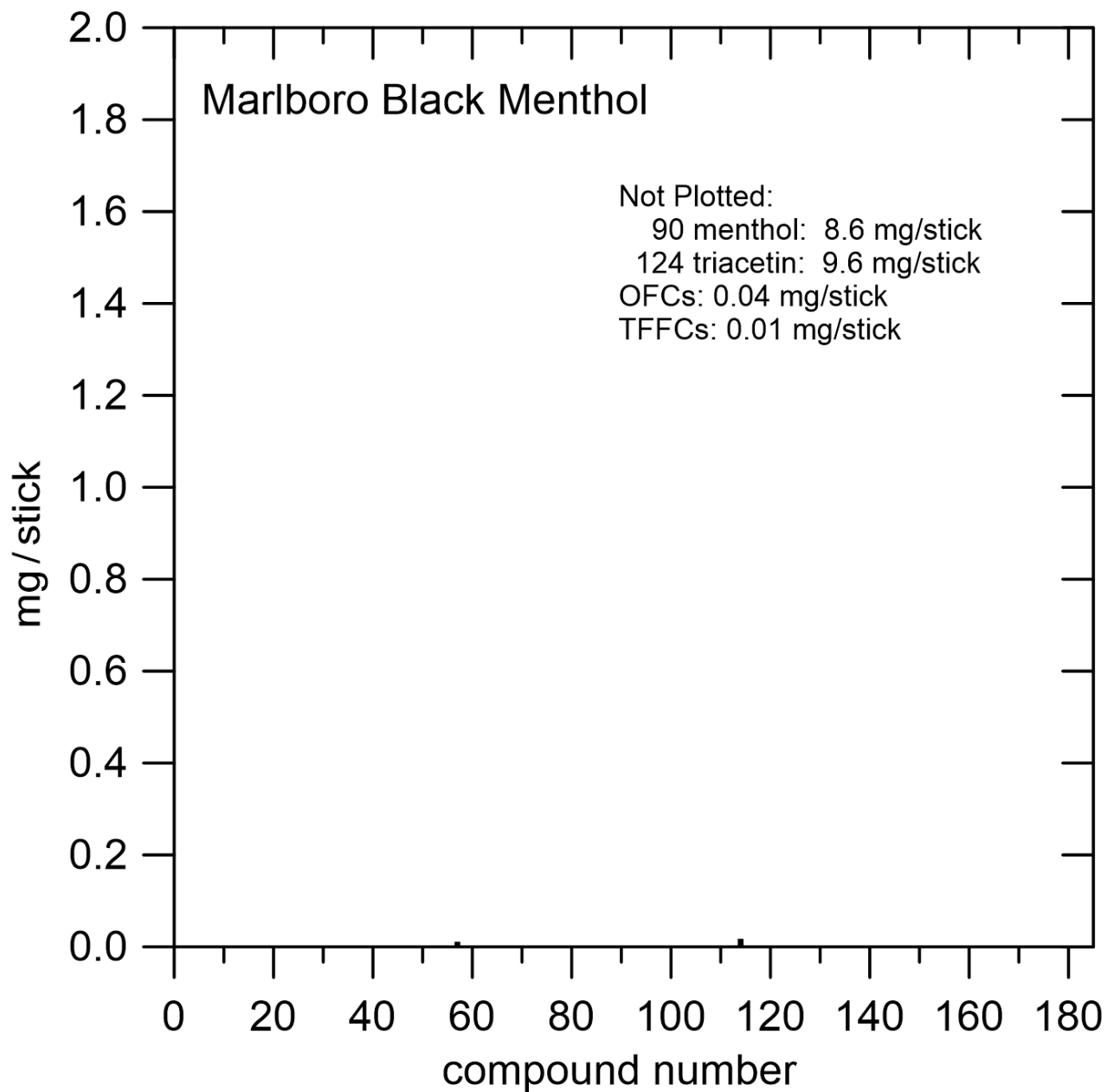
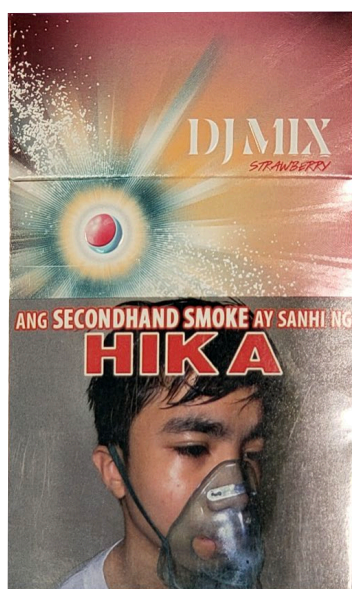


Figure S-P10.b. Marlboro Black Menthol (abbreviation: MBM).



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P11.a. DJ Mix Strawberry (abbreviation: DJMS).

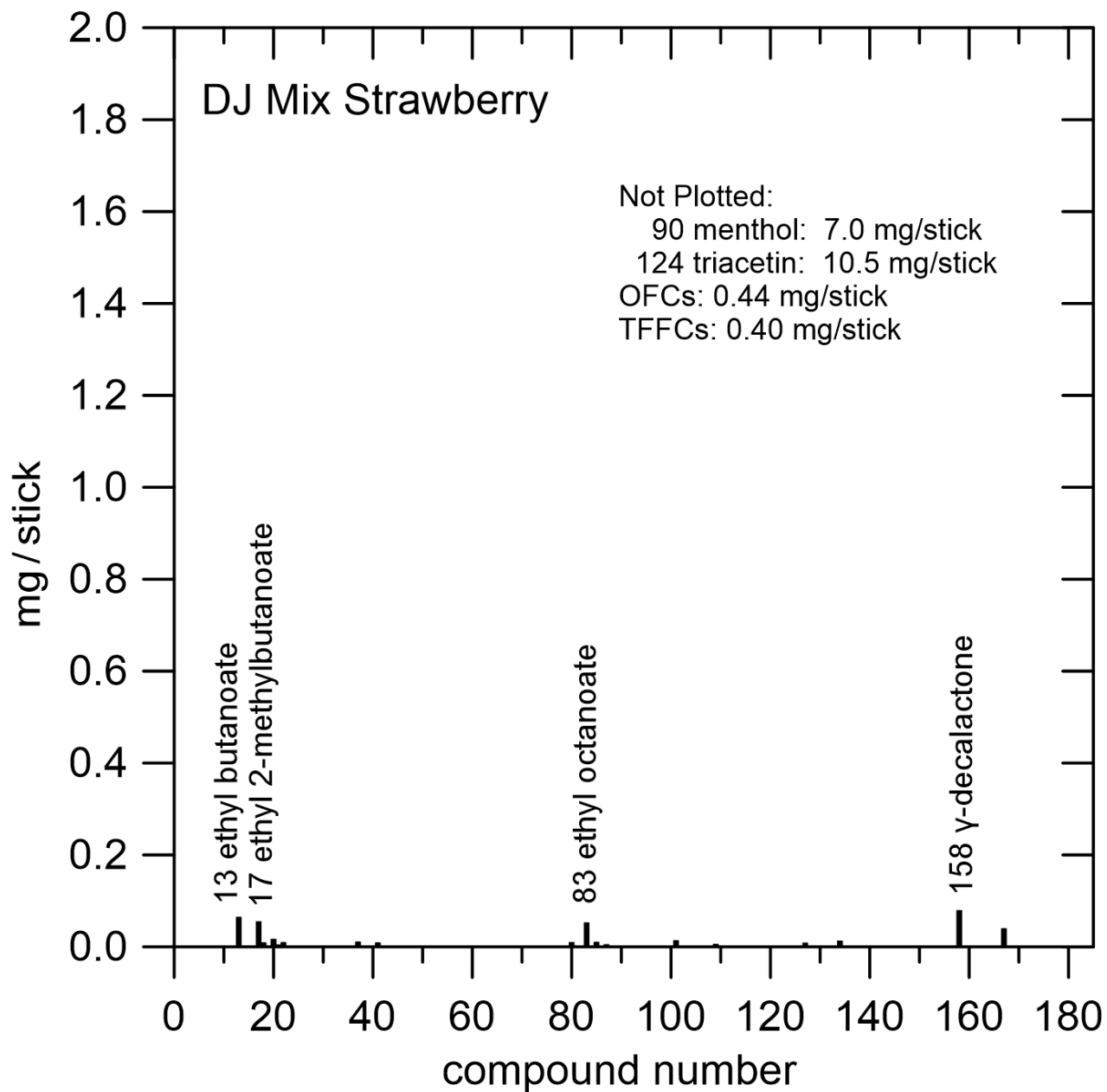


Figure S-P11.b. DJ Mix Strawberry (abbreviation: DJMS)



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P12.a. Bohem Cigar Slim –Fit Brown (abbreviation: BoCSFBr).



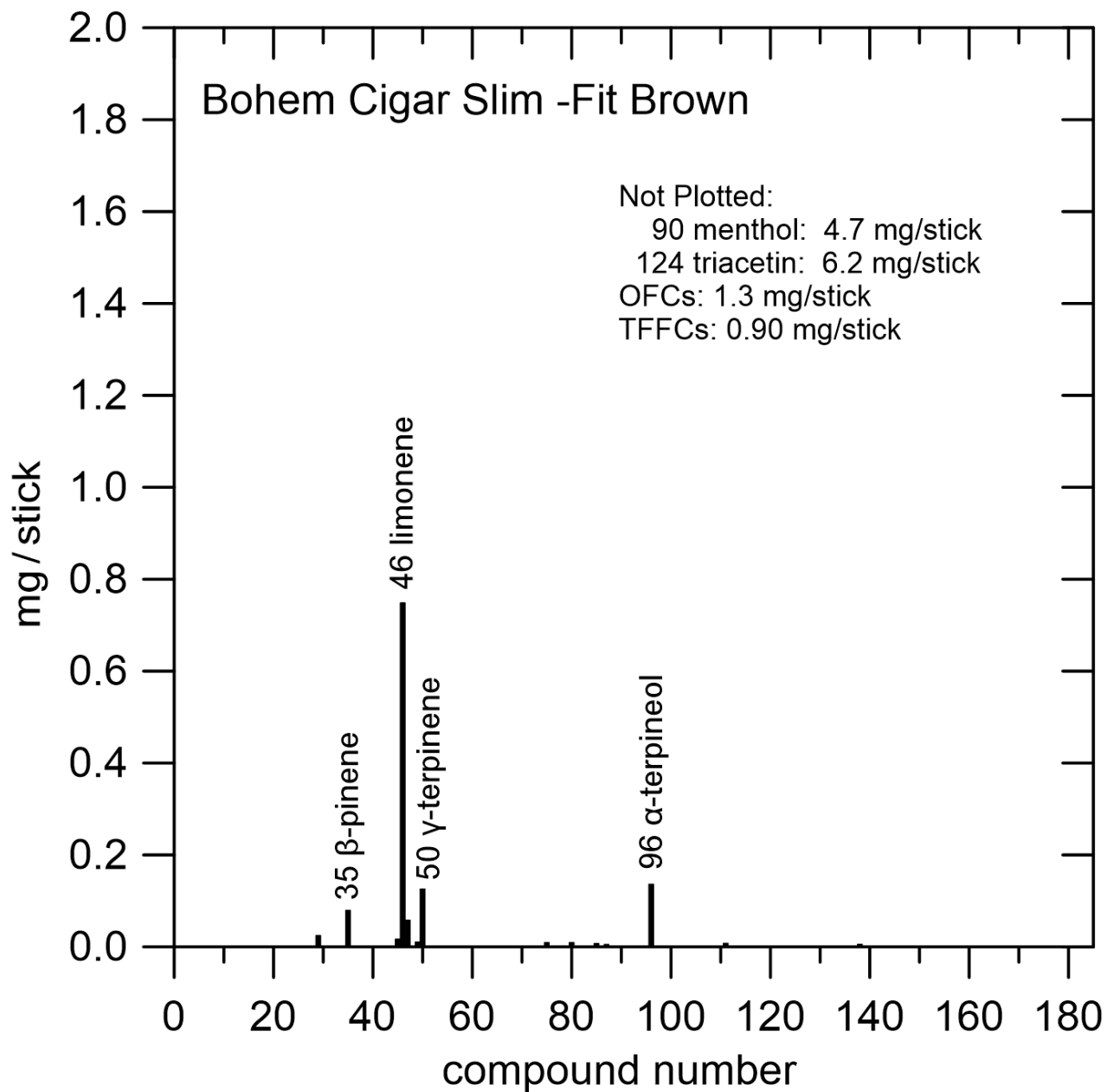
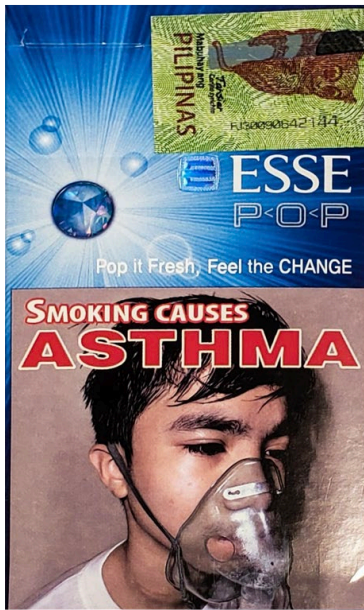


Figure S-P12.b. Bohem Cigar Slim –Fit Brown (abbreviation: BoCSFBr)



The filter contained one flavor capsule beneath the indicative icon on the filter.

Figure S-P13.a. Esse Pop (abbreviation: EP).

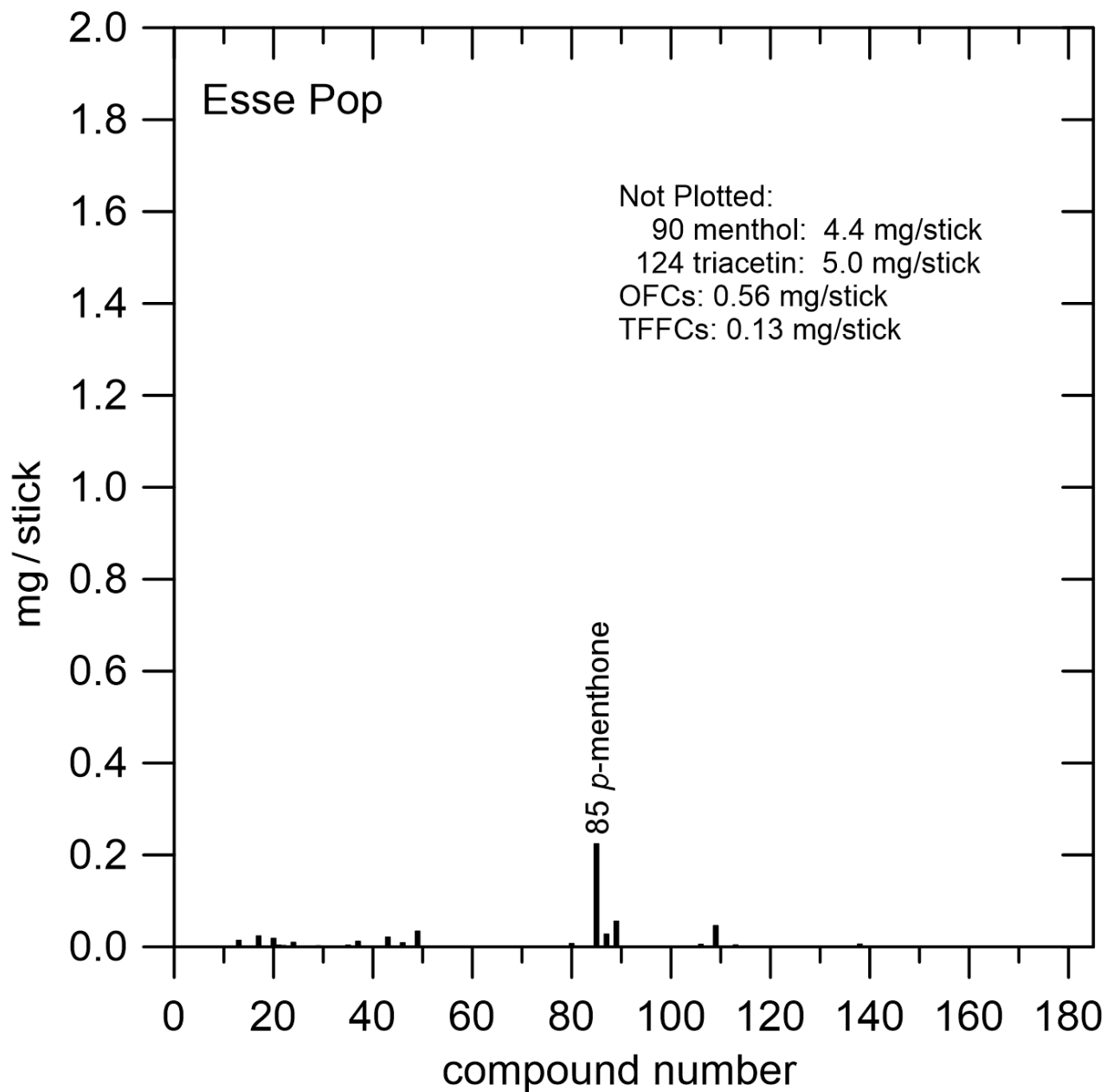


Figure S-P13.b. Esse Pop (abbreviation: EP).



Figure S-P14.a. Dunhill Menthol (abbreviation: DuM).

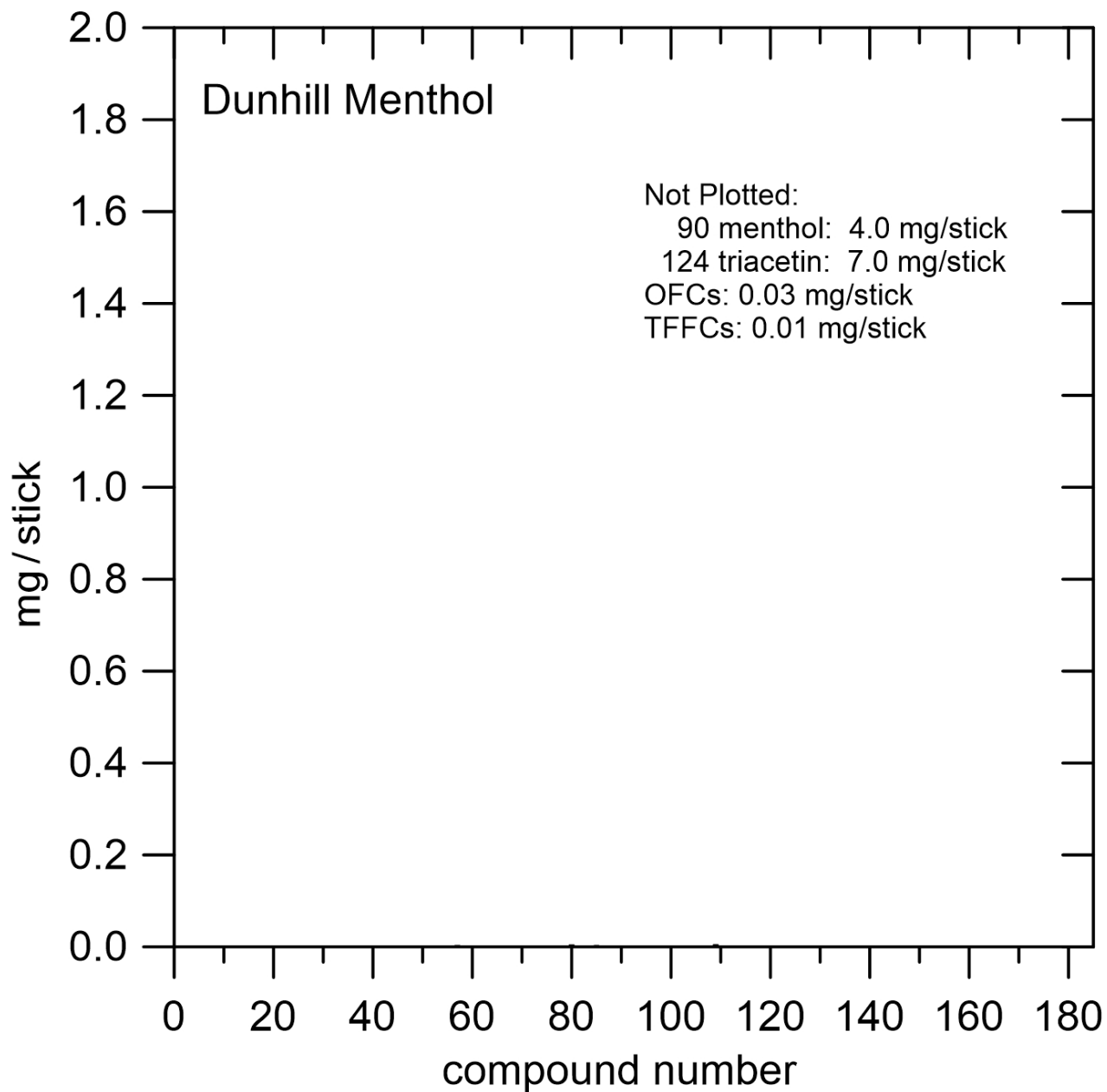
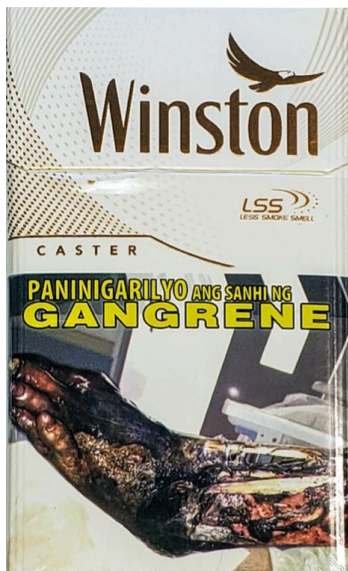


Figure S-P14.b. Dunhill Menthol (abbreviation: DuM).



The filter contained two separate portions. The bottom portion contained black granules that appeared to be charcoal.

Figure S-P15.a. Winston Caster with LSS (abbreviation: WCLSS).

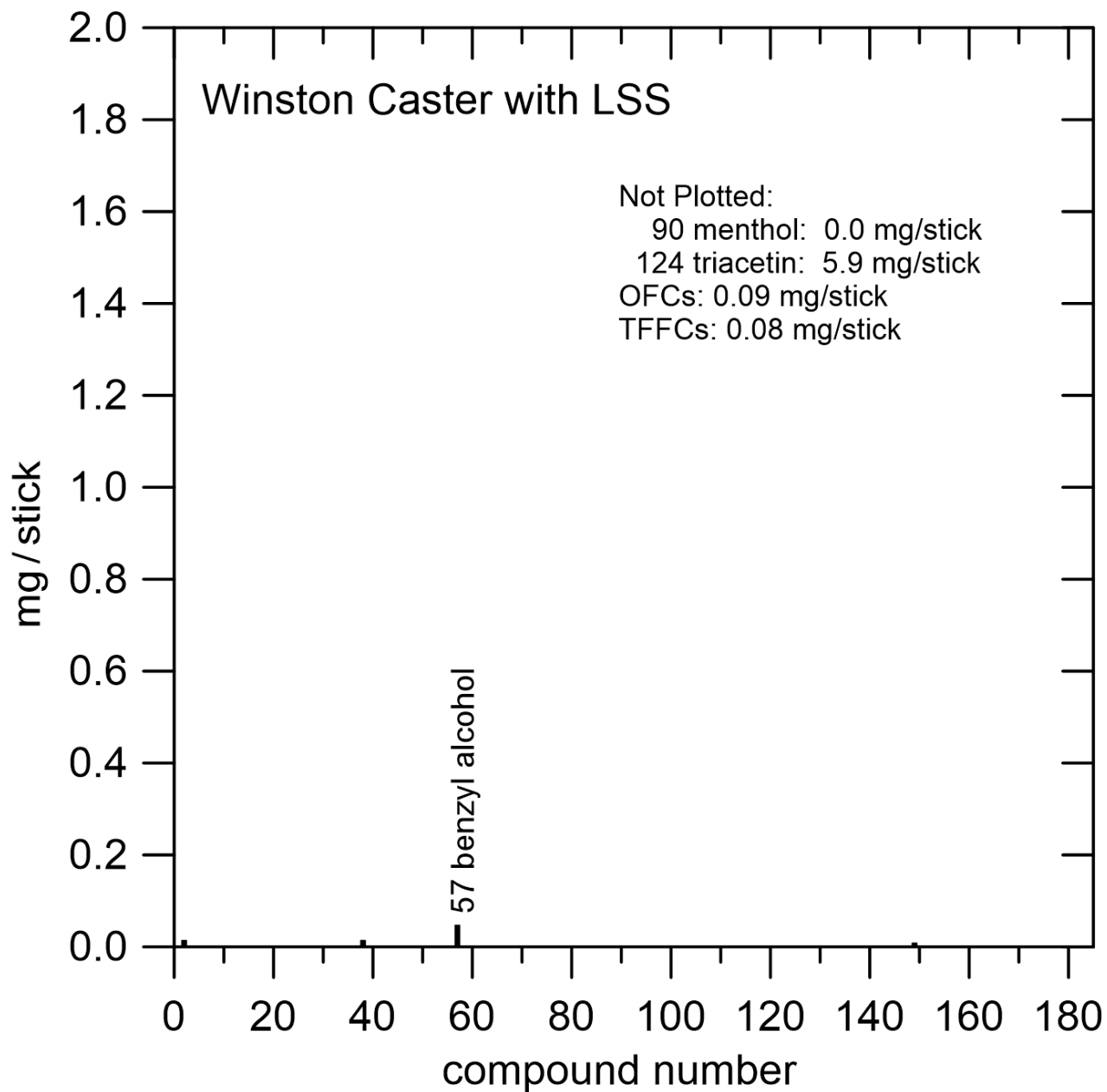


Figure S-P15.b. Winston Caster with LSS (abbreviation: WCLSS).



Figure S-P16.a. Camel White (abbreviation: CW).



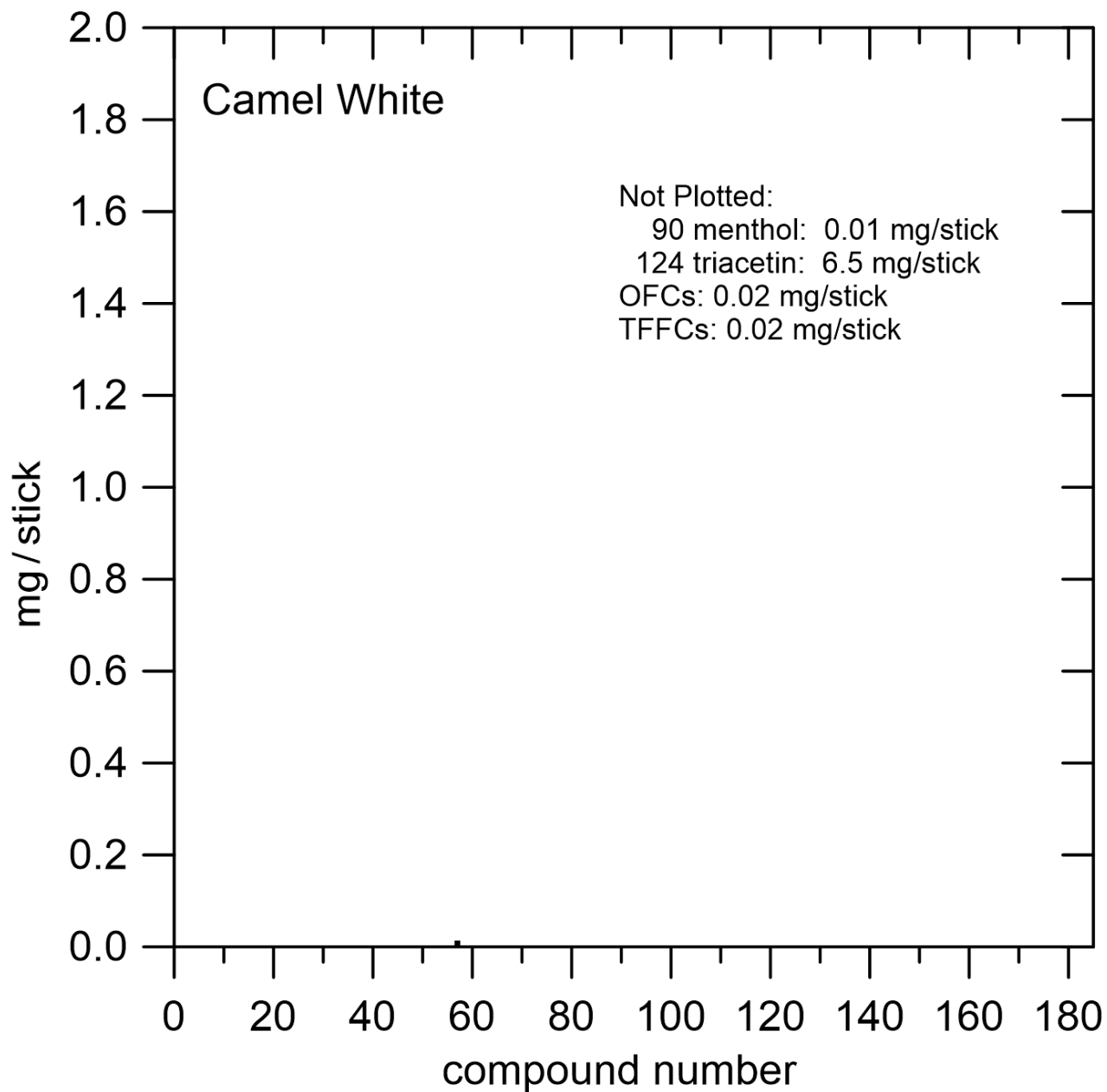


Figure S-P16.b. Camel White (abbreviation: CW).



The filter contained two separate portions. The bottom portion contained some black granules that appeared to be charcoal.

Figure S-P17.a. Mevius Sky Blue (abbreviation: MeSB).

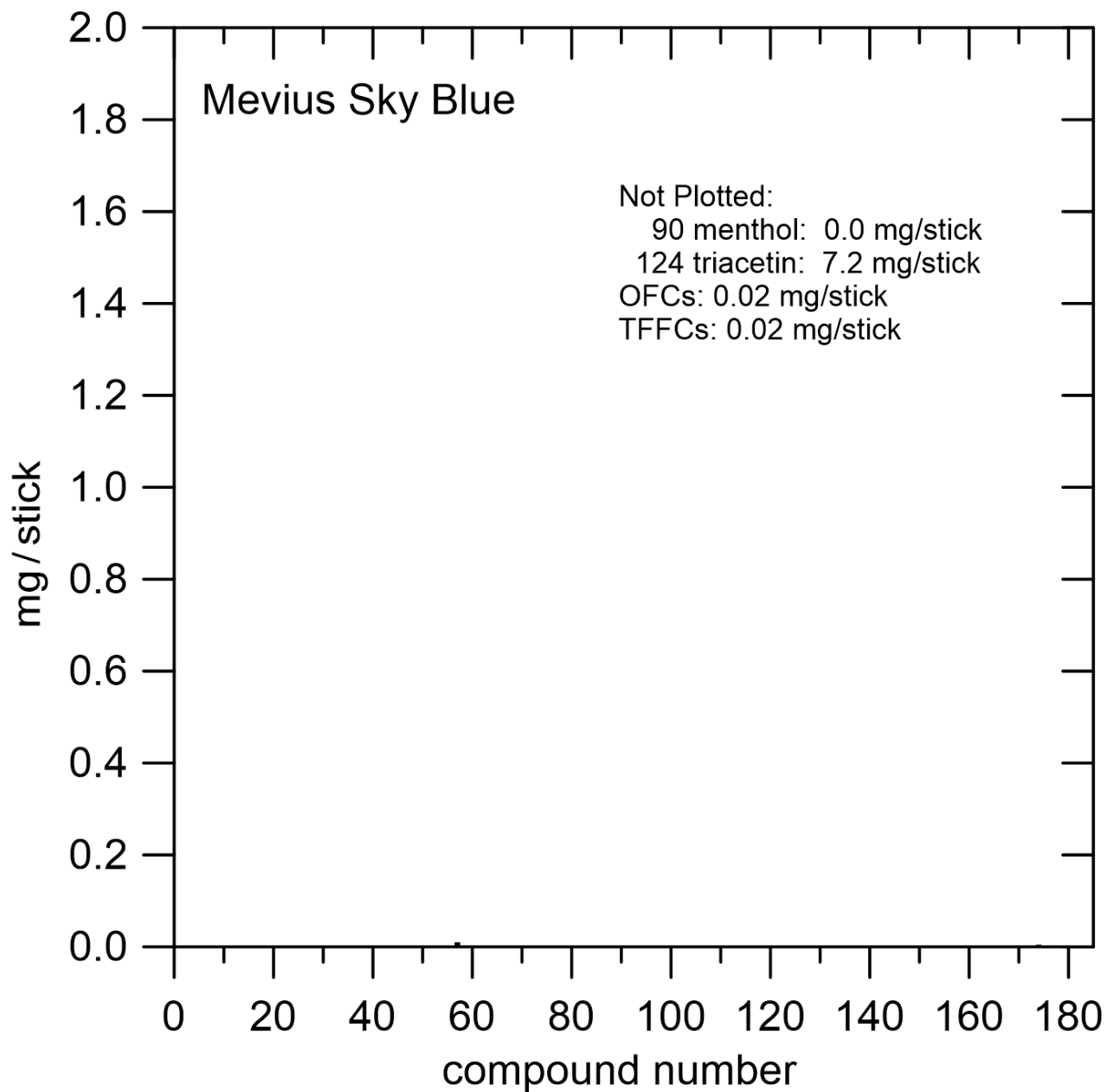


Figure S-P17.b. Meivius Sky Blue (abbreviation: MeSB).



Figure S-P18.a. Marlboro Premium Black (abbreviation: MPB).

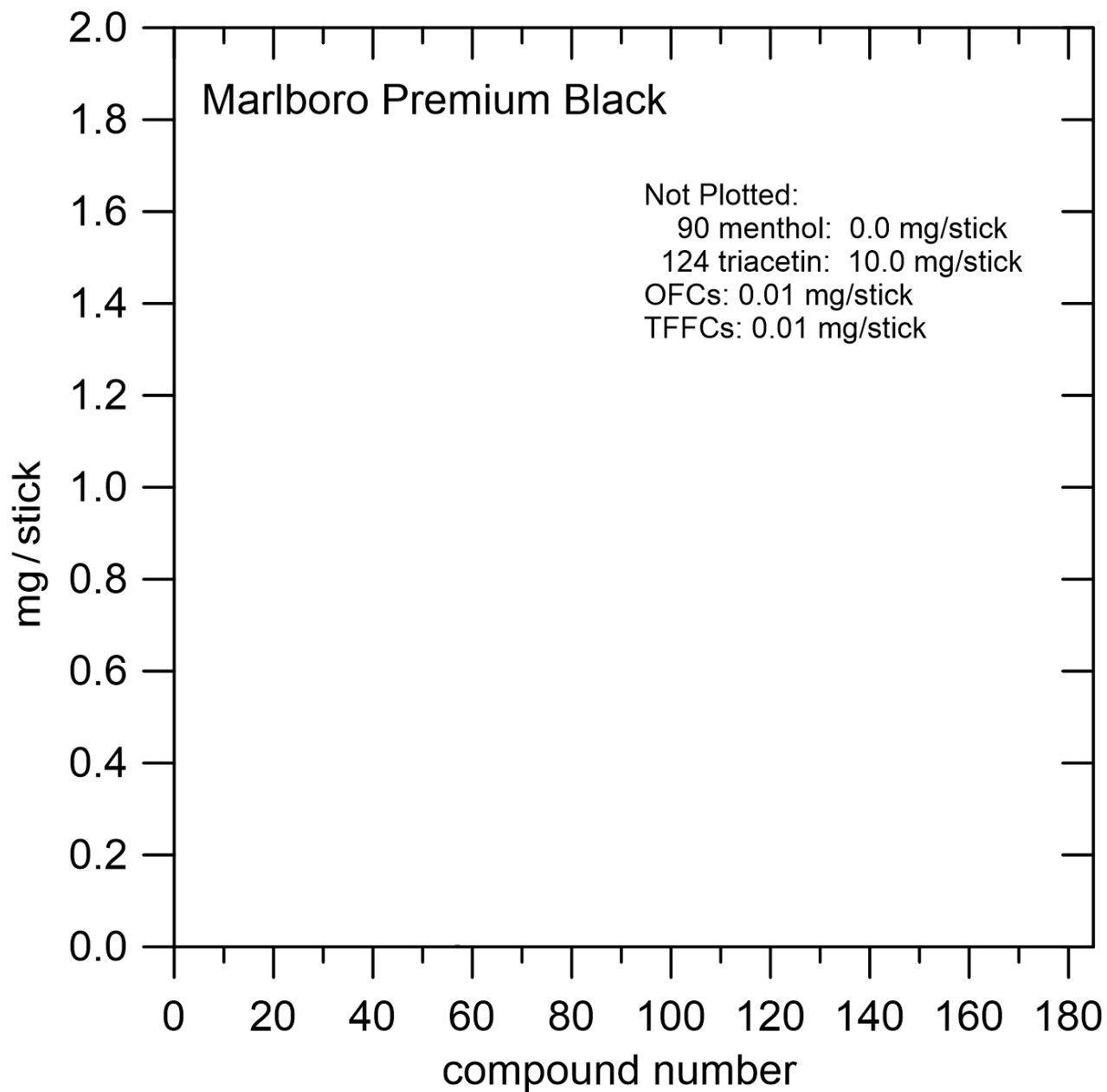


Figure S-P18.b. Marlboro Premium Black (abbreviation: MPB).



The filter contained two separate portions. The bottom portion contained some black granules that appeared to be charcoal.

Figure S-P19.a. Mevius Wind Blue (abbreviation: MeWB).

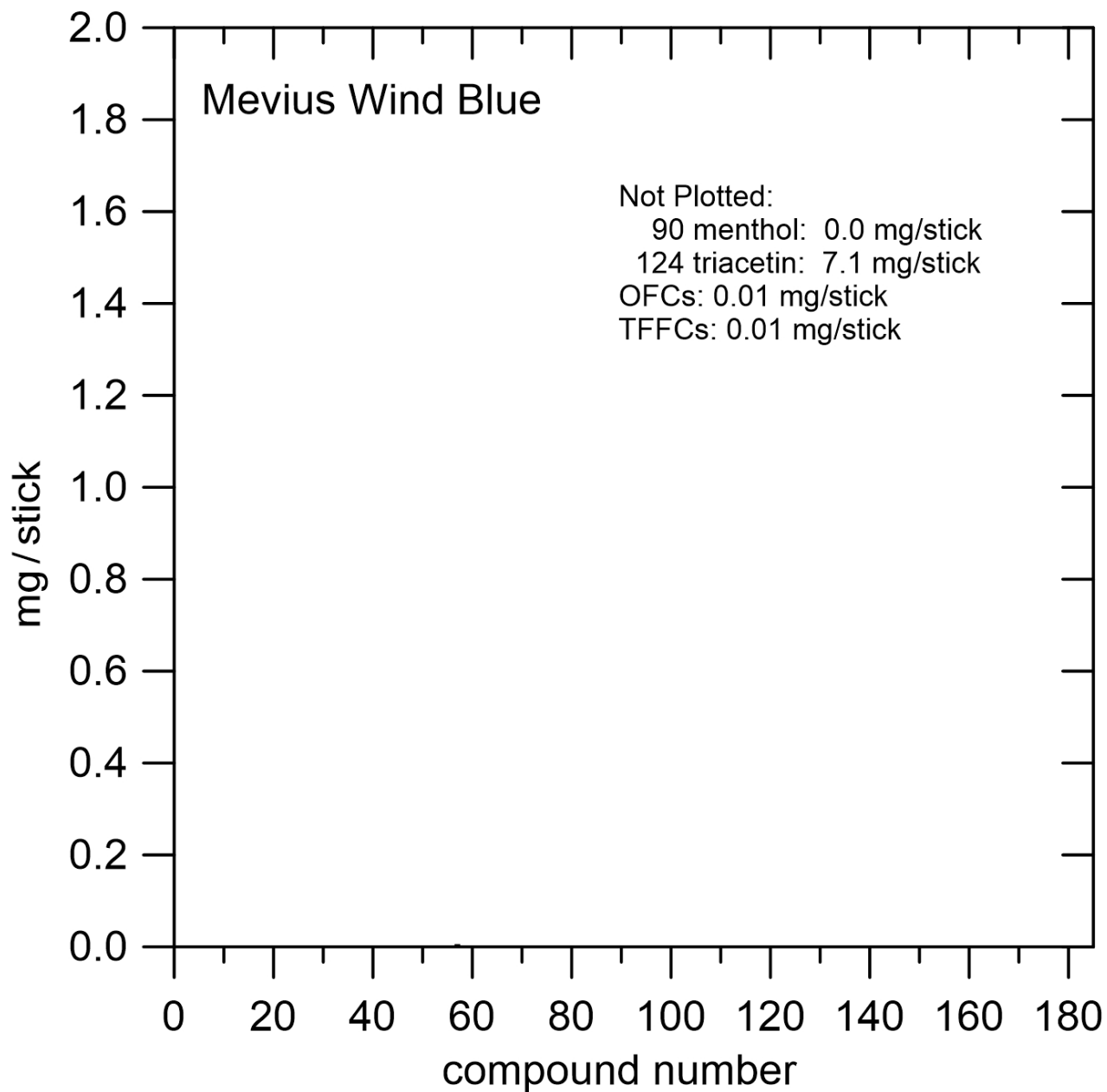


Figure S-P19.b. Mevius Wind Blue (abbreviation: MeWB).

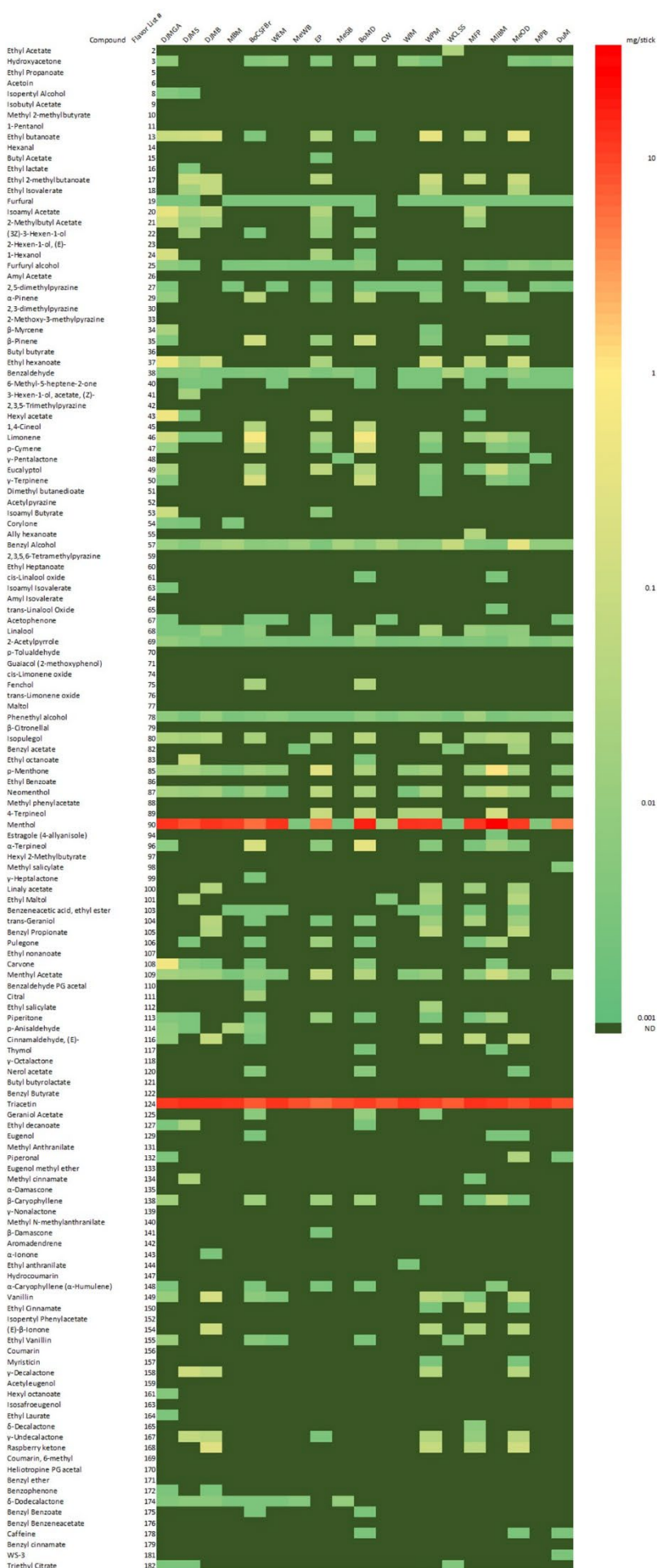


Figure S-P20. Flavor Chemical Level Heat Map, All Cigarettes: Philippines.