#### Supplementary Materials ~Figures~

#### "Menthol-Plus": A Major Category of Cigarette Found Among "Concept Descriptor" Cigarettes from Mexico

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| List of Supplementary Figures    |   |
|----------------------------------|---|
| Pack and                         | d Filter Photos, and Flavor Bar Charts                |
| S1.a/b                           | Marlboro "Fusion Shine" – Mexico                      |
| S2.a/b                           | Lucky Strike "Convertibles, Blue" – Mexico            |
| S3.a/b                           | Lucky Strike "Flow Filter" March – Mexico             |
| S4.a/b                           | Marlboro "Velvet Fusion Blast" – Mexico               |
| S5.a/b                           | Marlboro "Double Fusion Velvet" – Mexico              |
| S6.a/b                           | Lucky Strike "Flow Filter" October – Mexico           |
| S7.a/b                           | Benson & Hedges "Polar Pearls" – Mexico               |
| S8.a/b                           | Marlboro "Amber" – Mexico                             |
| S9.a/b                           | Marlboro "Double Fusion Amber" – Mexico               |
| S10.a/b                          | Pall Mall/XL "Mystery" – Mexico                       |
| S11.a/b                          | Marlboro "Capsula Fresca" – Mexico                    |
| S12.a/b                          | Lucky Strike "Convertibles, Purple" – Mexico          |
| S13.a/b                          | Pall Mall/XL "Tokyo Midnight" – Mexico                |
| S14.a/b                          | Marlboro "Ruby Fusion Blast" – Mexico                 |
| S15.a/b                          | Pall Mall/XL "Black Edition/Maui Crepuscule" – Mexico |
| S16.a/b                          | Marlboro "Double Fusion Ruby" – Mexico                |
| S17.a/b                          | Chesterfield "Caps Purple" – Mexico                   |
| S18.a/b                          | Benson & Hedges "Crystal Violet" – Mexico             |
| S19.a/b                          | Pall Mall/XL "Black Edition/Ibiza Sunset" – Mexico    |
| S20.a/b                          | Pall Mall "Wave" – Mexico                             |
| S21.a/b                          | Pall Mall/XL "Mykonos Nightfall" – Mexico             |
| S22.a/b                          | Benson & Hedges "Crystal Blue" – Mexico               |
| S23.a/b                          | Next "Green" – Canada                                 |
| S24.a/b                          | John Player "Choice" – Canada                         |
| S25.a/b                          | Benson & Hedges "Unison" – Canada                     |
| S26.a/b                          | Camel "North, Aqua Filter" – Canada                   |
| S27.a/b                          | Du Maurier "Nano Blue" – Canada                       |
| Additional Supplementary Figures |   |
| S28                              | Triacetin vs. Menthol                                 |
| S29                              | Total Other Flavor Chemicals (TOFCs) vs. Menthol      |

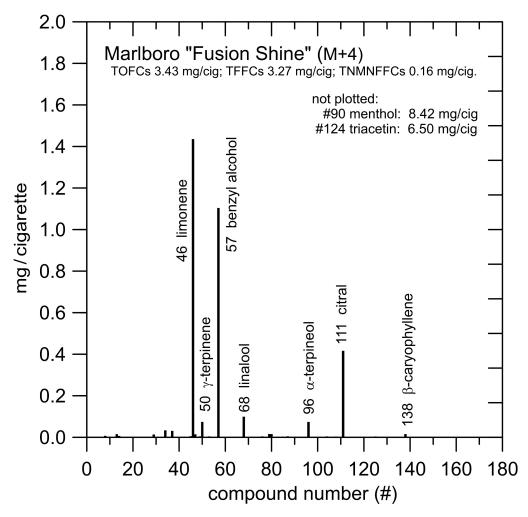
# Figure S1.a. Pack #1. Marlboro "Fusion Shine" (M+4) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

### Figure S1.b. Pack #1. Marlboro "Fusion Shine" (M+4)



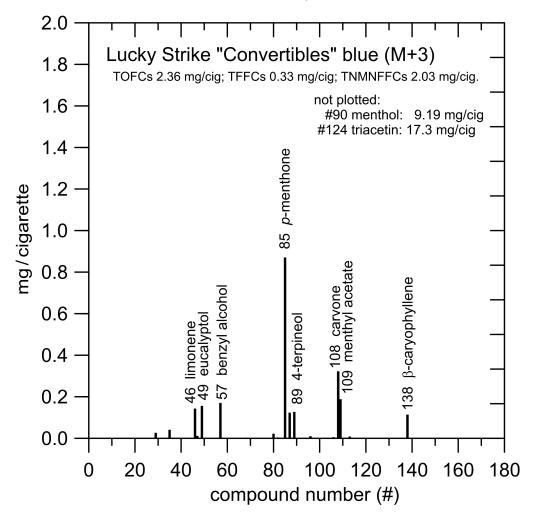
### Figure S2.a. Pack #2. Lucky Strike "Convertibles" blue (M+3) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

### Figure S2.b. Pack #2. Lucky Strike "Convertibles" blue (M+3)



#### Figure S3.a. Pack #3. Lucky Strike "Flow Filter" March

Sampler Flavour Categories: blue, M+3; orange, M+1+, red, M+1; and green, M+1.

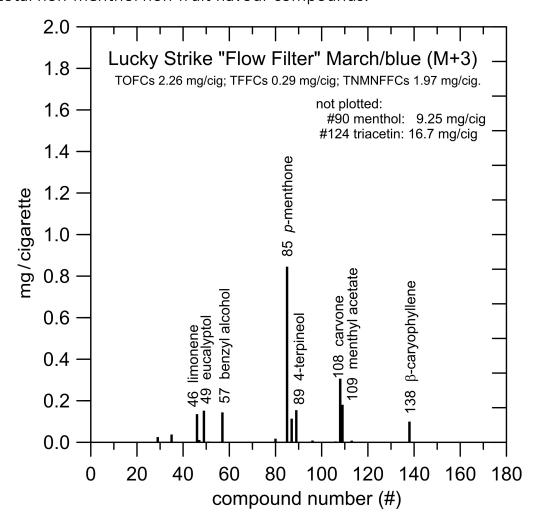




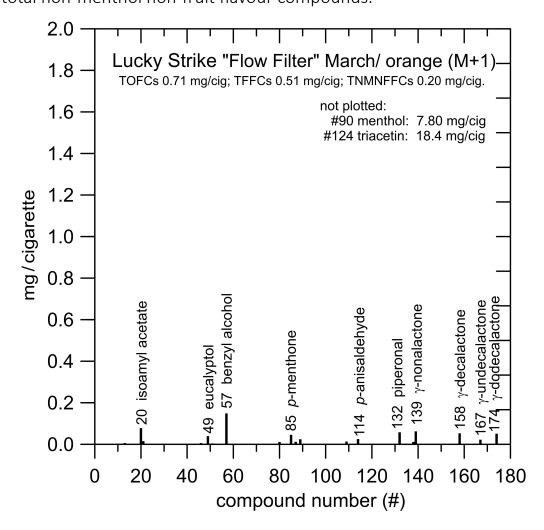
(Mexico)

- a. Photo of pack (front);
- b. Opened filter (red version) showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

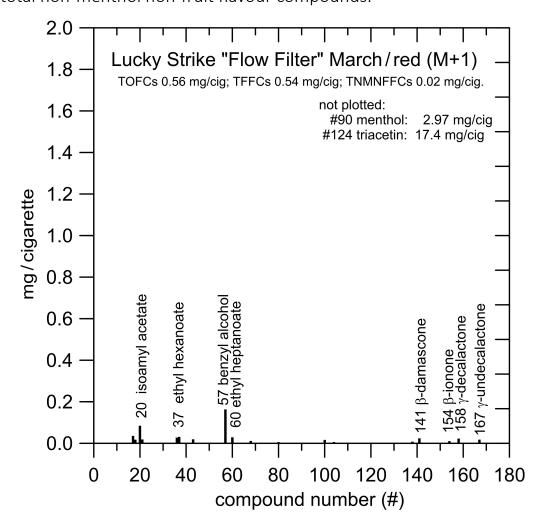
#### Figure S3.b.1. Pack #3. Lucky Strike "Flow Filter" March/blue (M+3)



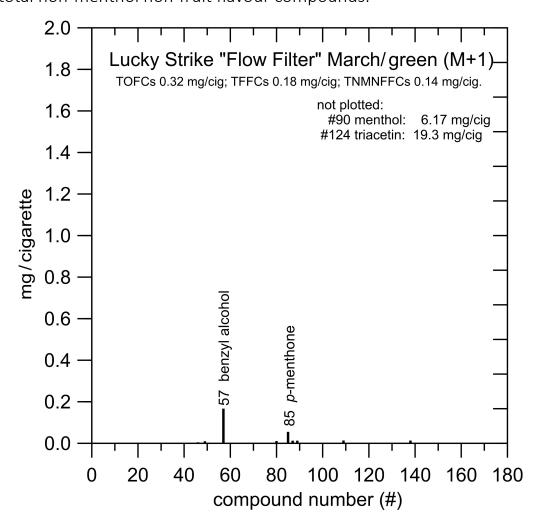
### Figure S3.b.2. Pack #3. Lucky Strike "Flow Filter" March/orange (M+1)



### Figure S3.b.3. Pack #3. Lucky Strike "Flow Filter" March/red (M+1)



### Figure S3.b.4. Pack #3. Lucky Strike "Flow Filter" March/green (M+1)



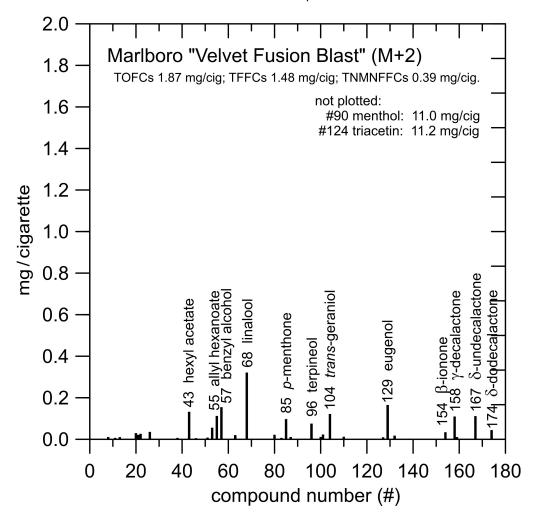
# Figure S4.a. Pack #4. Marlboro "Velvet Fusion Blast" (M+2) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

### Figure S4.b. Pack #4. Marlboro "Velvet Fusion Blast" (M+2)



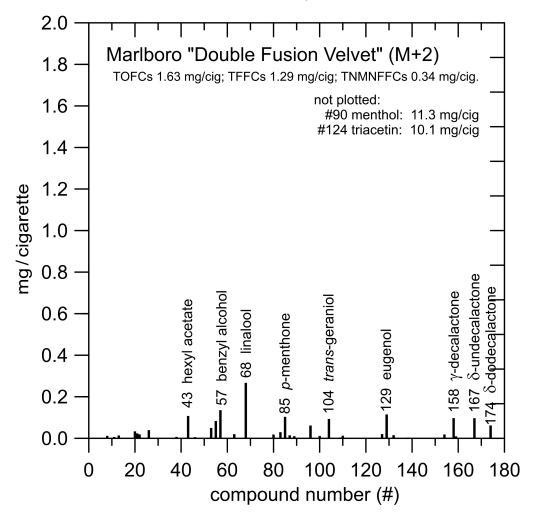
### Figure S5.a. Pack #5. Marlboro "Double Fusion Velvet" (M+2) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

#### Figure S5.b. Pack #5. Marlboro "Double Fusion Velvet" (M+2)



### Figure S6.a. Pack #6. Lucky Strike "Flow Filter" (October)

Sampler Flavour Categories: light green, M+2; purple, M+1; red, M+1+; and green, M+1.

а.





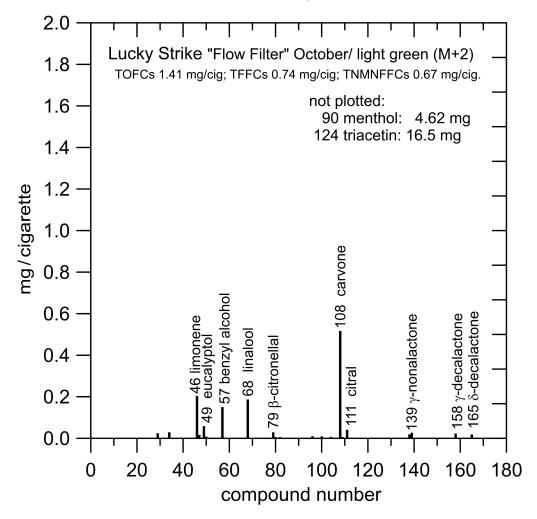
- a. Photo of pack (front);
- b. Opened filter (red version) showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

Photos Copyright Portland State University, 2020.

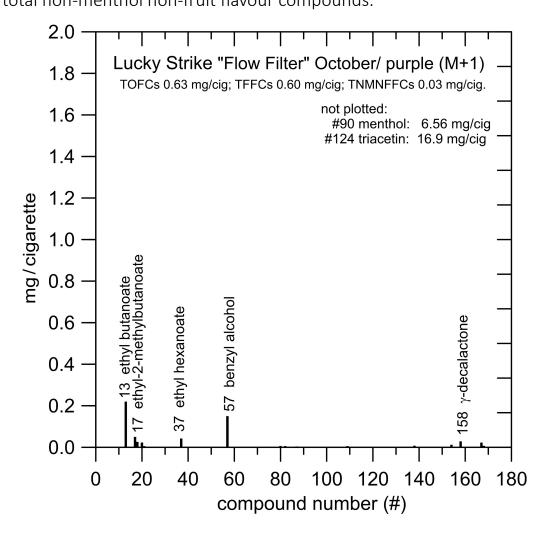
(Mexico)

Figure S6.b.1. Pack #6. Lucky Strike "Flow Filter" October/It. green (M+2) TOFCs = total other flavour compounds; TFFCs = total fruit flavour compounds;

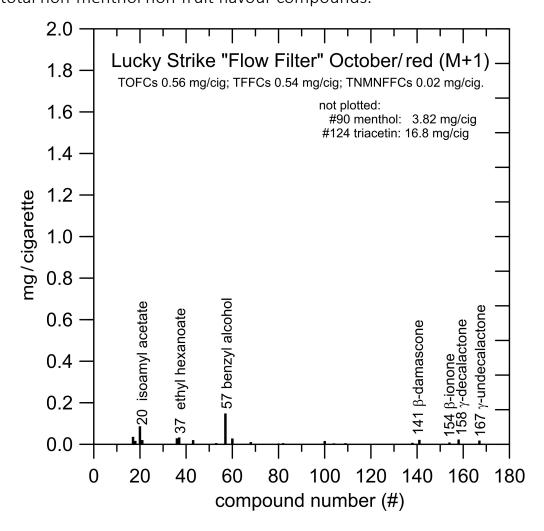
TNMNFFCs = total non-menthol non-fruit flavour compounds.



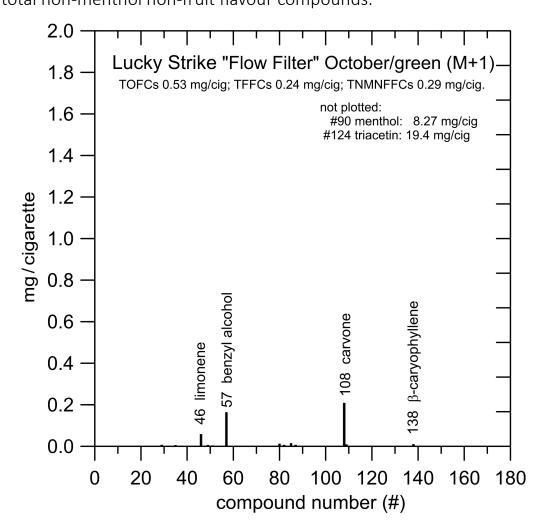
### Figure S6.b.2. Pack #6. Lucky Strike "Flow Filter" October/purple (M+1)



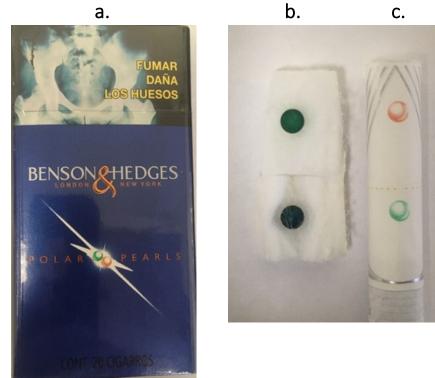
#### Figure S6.b.3. Pack #6. Lucky Strike "Flow Filter" October/red (M+1)



### Figure S6.b.4. Pack #6. Lucky Strike "Flow Filter" October/green (M+1)

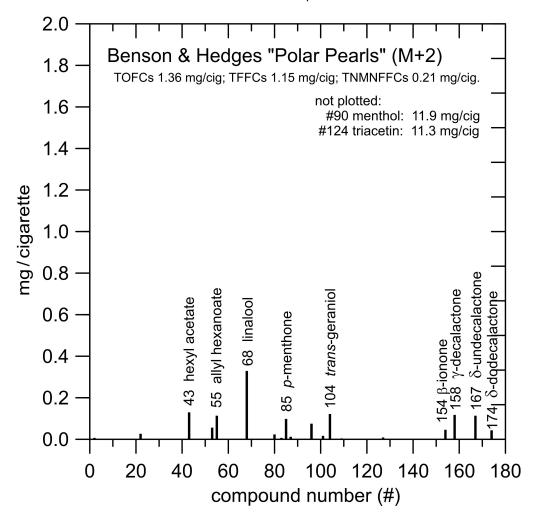


### Figure S7.a. Pack #7. Benson & Hedges "Polar Pearls" (M+2) (Mexico)



- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

### Figure S7.b. Pack #7. Benson & Hedges "Polar Pearls" (M+2)



#### Figure S8.a. Pack #8. Marlboro "Amber" (M+2) (Mexico)

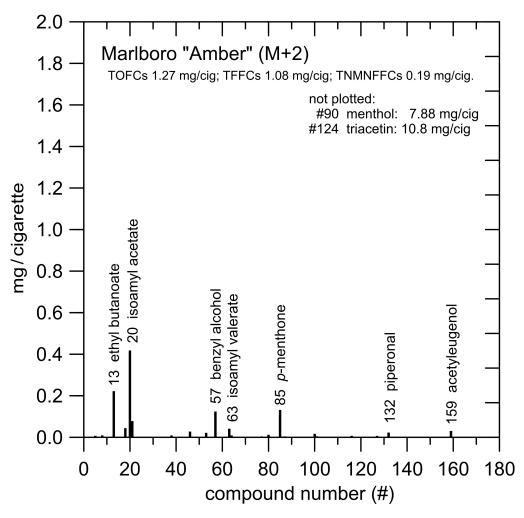






- Photo of pack (front); a.
- Opened filter showing two crushable flavor capsules (uncrushed); b.
- Filter end of cigarette. b.

#### Figure S8.b. Pack #8. Marlboro "Amber" (M+2)



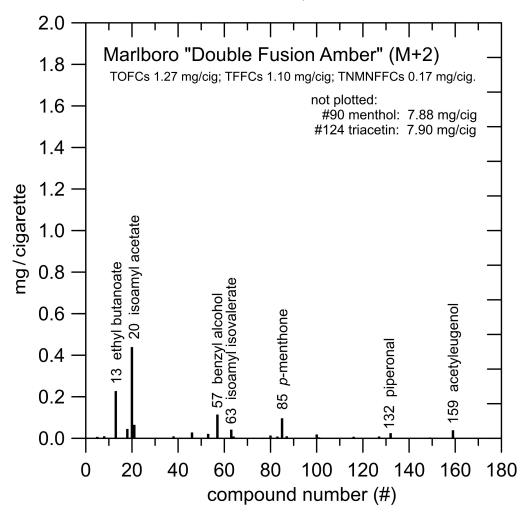
### Figure S9.a. Pack #9. Marlboro "Double Fusion Amber" (M+2) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

### Figure S9.b. Pack #9. Marlboro "Double Fusion Amber" (M+2)



### Figure S10.a. Pack #10. Pall Mall/XL "Mystery" (M+2) (Mexico)

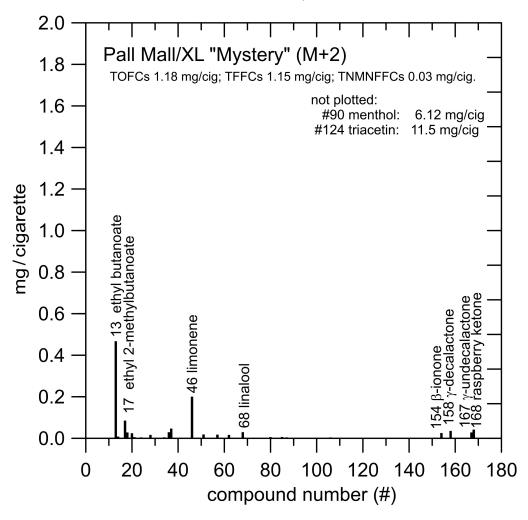




- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

### Figure S10.b. Pack #10. Pall Mall/XL "Mystery" (M+2) TOFCs = total other flavour compounds; TFFCs = total fruit flavour compounds;

TNMNFFCs = total non-menthol non-fruit flavour compounds.



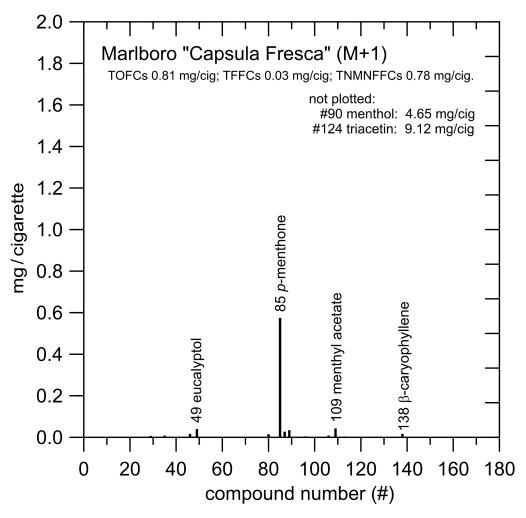
### Figure S11.a. Pack #11. Marlboro "Capsula Fresca" (M+1) (Mexico)



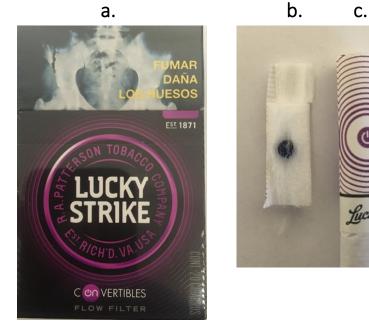


- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

#### Figure S11.b. Pack #11. Marlboro "Capsula Fresca" (M+1)

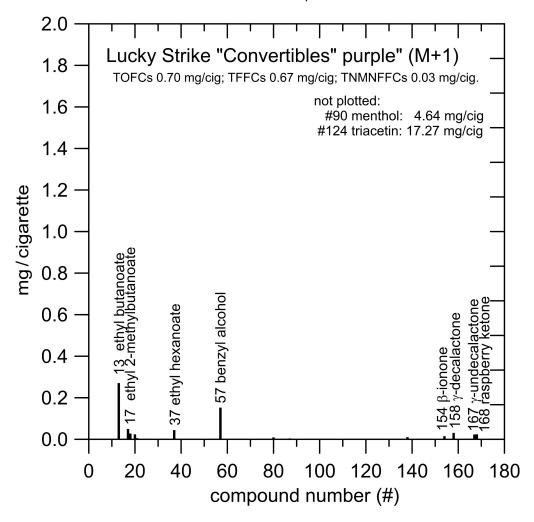


## Figure S12.a. Pack #12. Lucky Strike "Convertibles" purple (M+1) (Mexico)



- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

#### Figure S12.b. Pack #12. Lucky Strike "Convertibles" purple (M+1)



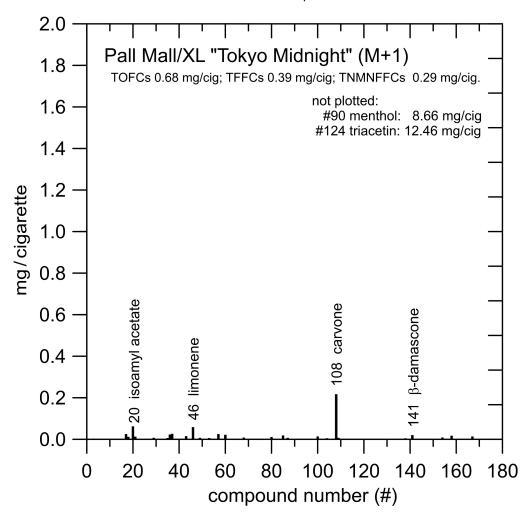
### Figure S13.a. Pack #13. Pall Mall/XL "Tokyo Midnight" (M+1) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

### Figure S13.b. Pack #13. Pall Mall/XL "Tokyo Midnight" (M+1)



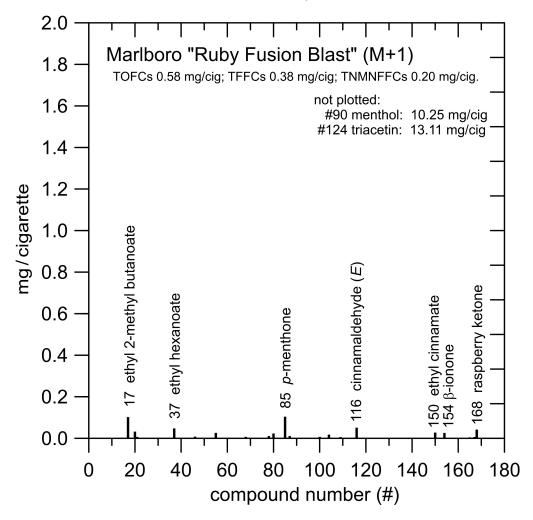
### Figure S14.a. Pack #14. Marlboro "Ruby Fusion Blast" (M+1) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

#### Figure S14.b. Pack #14. Marlboro "Ruby Fusion Blast" (M+1)



### Figure S15.a. Pack #15. Pall Mall/XL "Black Edition Maui Crepuscule" (M+1) (Mexico)

C.

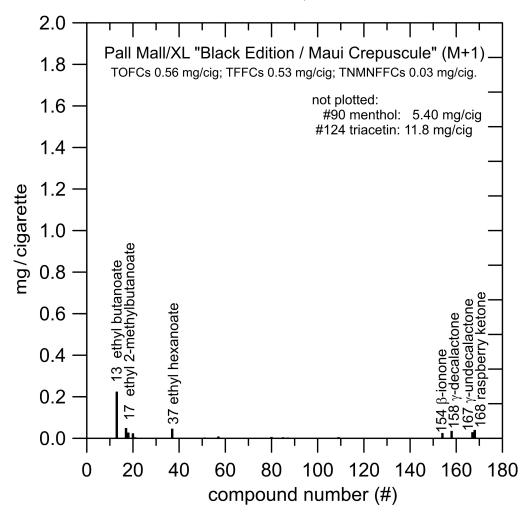




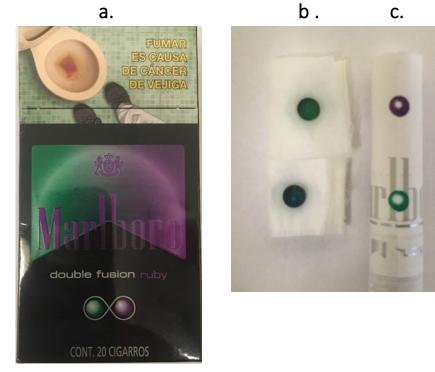
b.

- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

Figure S15.b. Pack #15. Pall Mall/XL "Black Edition Maui Crepuscule" (M+1) TOFCs = total other flavour compounds; TFFCs = total fruit flavour compounds; TNMNFFCs = total non-menthol non-fruit flavour compounds.

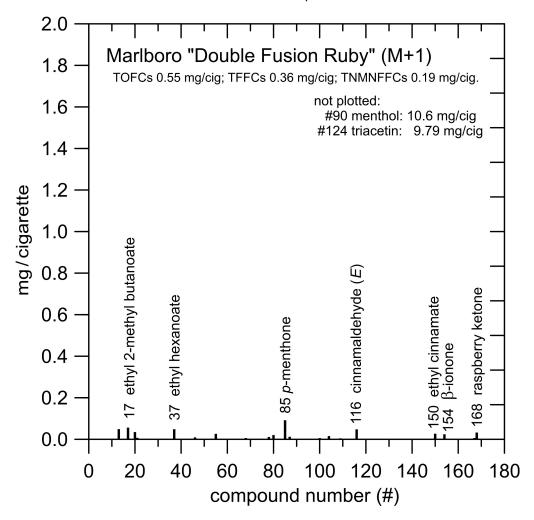


## Figure S16.a. Pack #16. Marlboro "Double Fusion Ruby" (M+1) (Mexico)



- a. Photo of pack (front);
- b. Opened filter showing two crushable flavor capsules (uncrushed);
- b. Filter end of cigarette.

#### Figure S16.b. Pack #16. Marlboro "Double Fusion Ruby" (M+1)



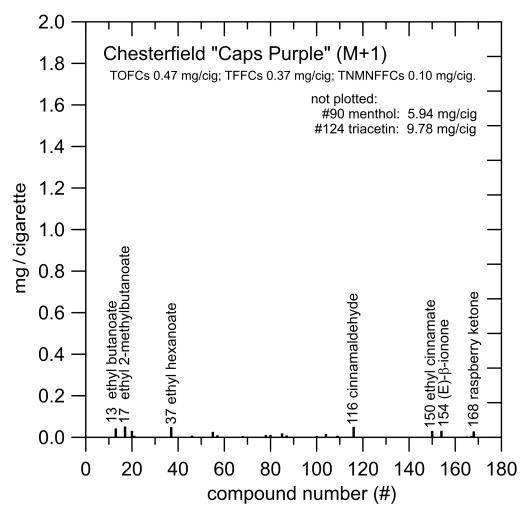
C.

## Figure S17.a. Pack #17. Chesterfield "Caps Purple" (M+1) (Mexico)

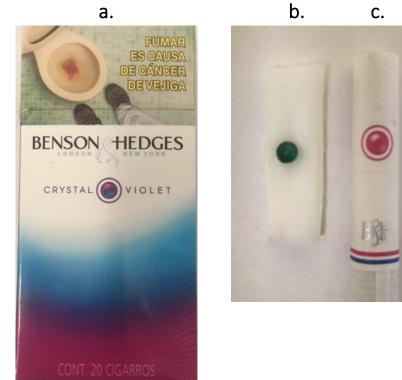


- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

### Figure S17.b. Pack #17. Chesterfield "Caps Purple" (M+1)

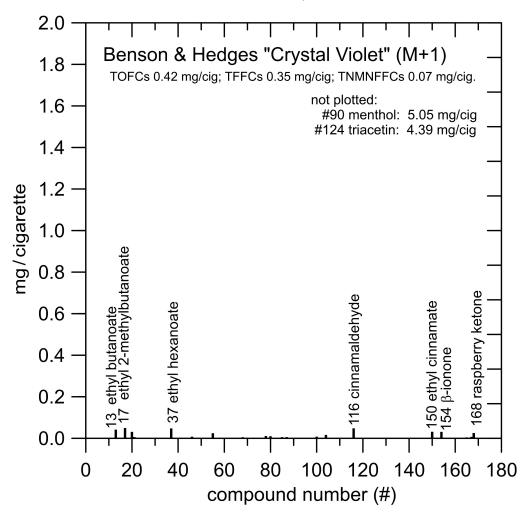


# Figure S18.a. Pack #18. Benson & Hedges "Crystal Violet" (M+1) (Mexico)



- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

### Figure S18.b. Pack #18. Benson & Hedges "Crystal Violet" (M+1)



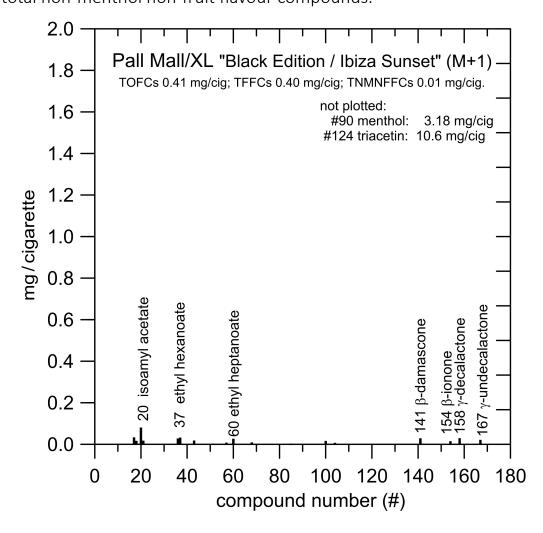
### Figure S19.a. Pack #19. Pall Mall/XL "Black Edition Ibiza Sunset" (M+1) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

#### Figure S19.b. Pack #19. Pall Mall/XL "Black Edition Ibiza Sunset" (M+1) TOFCs = total other flavour compounds; TFFCs = total fruit flavour compounds; TNMNFFCs = total non-menthol non-fruit flavour compounds.



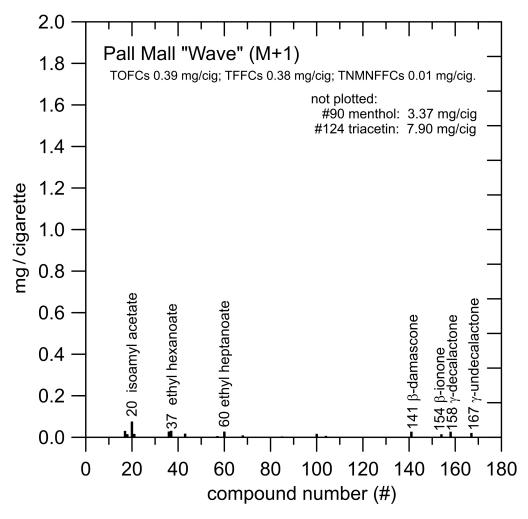
## Figure S20.a. Pack #20. Pall Mall "Wave" (M+1) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

#### Figure S20.b. Pack #20. Pall Mall "Wave" (M+1)



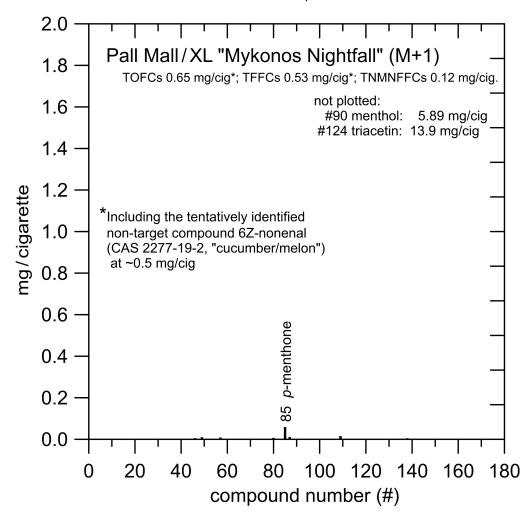
### Figure S21.a. Pack #21. Pall Mall/XL "Mykonos Nightfall" (M+1) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

#### Figure S21.b. Pack #21. Pall Mall/XL "Mykonos Nightfall" (M+1)



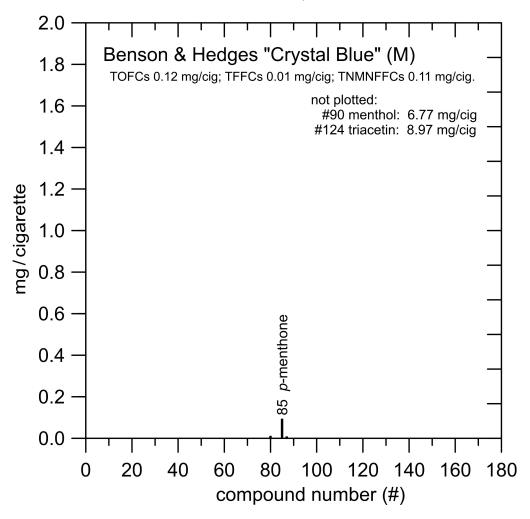
## Figure S22.a. Pack #22. Benson & Hedges "Crystal Blue" (M) (Mexico)





- a. Photo of pack (front);
- b. Opened filter showing one crushable flavor capsule (uncrushed);
- b. Filter end of cigarette.

### Figure S22.b. Pack #22. Benson & Hedges "Crystal Blue" (M)



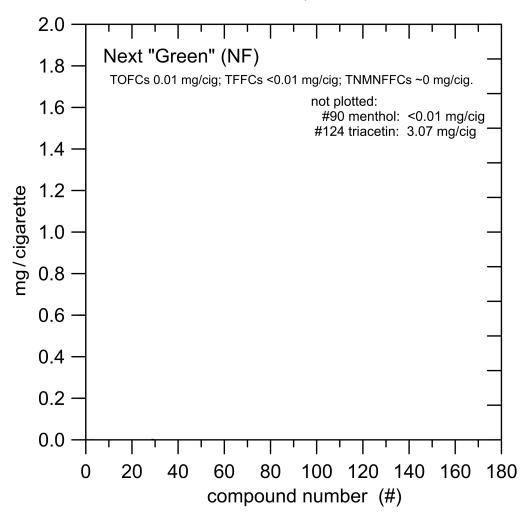
## Figure S23.a. Pack #23. Next "Green" (NF) (Canada)

a. WARNING Another premature death... Smoking is the leading preventable cause of premature death in Canada. About 100 people die from tobacco use each day. You can quit. We can help. ↓ 1-866-366-3667 gosmokefree.gc.ca/quit **Health** Canada ZD CIGARETTES - KS

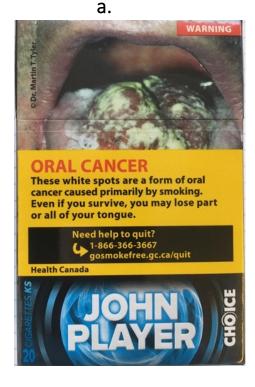


- a. Photo of pack (front);
- b. Opened filter showing a black powder (likely activated charcoal);
- b. Filter end of cigarette.

### Figure S23.b. Pack #23. Next "Green" (NF)



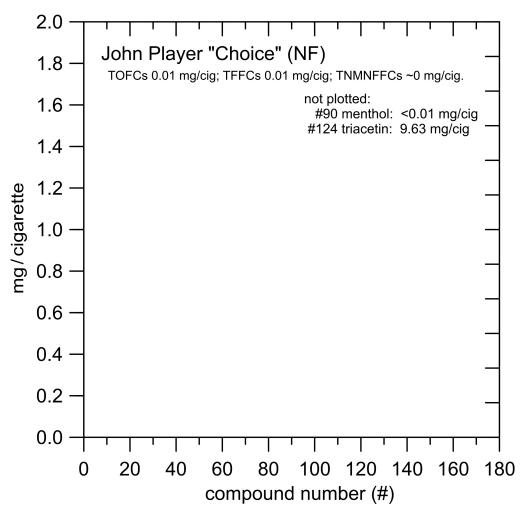
## Figure S24.a. Pack #24. John Player "Choice" (NF) (Canada)





- a. Photo of pack (front);
- b. Opened filter;
- b. Filter end of cigarette.

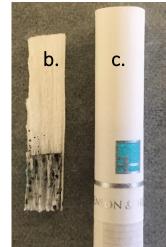
### Figure S24.b. Pack #24. John Player "Choice" (NF)



## Figure S25.a. Pack #25. Benson & Hedges "Unison" (NF) (Canada)

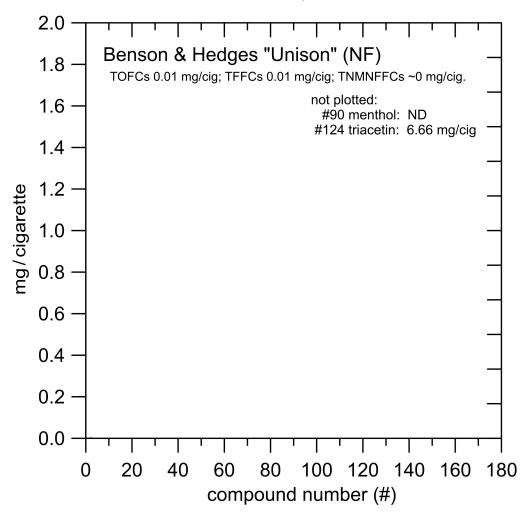
а.





- a. Photo of pack (front);
- b. Opened filter showing a black powder (likely activated charcoal);
- b. Filter end of cigarette.

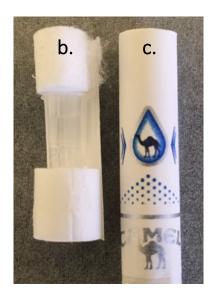
### Figure S25.b. Pack #25. Benson & Hedges "Unison" (NF)



# Figure S26.a. Pack #26. Camel "North, Aqua Filter" (NF) (Canada)

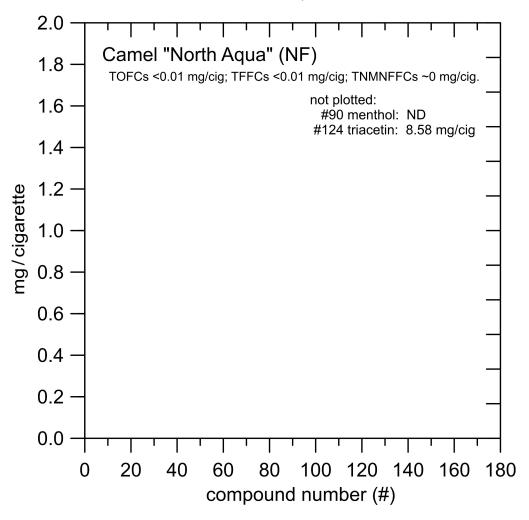
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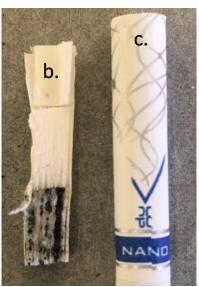
- a. Photo of pack (front);
- b. Opened filter showing cavity;
- b. Filter end of cigarette.

### Figure S26.b. Pack #26. Camel "North, Aqua Filter" (NF)



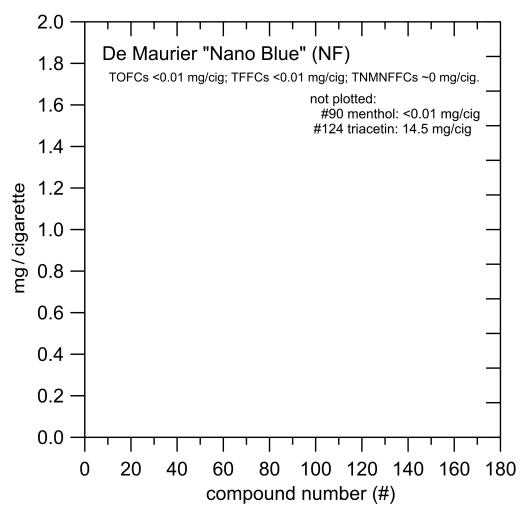
### Figure S27.a. Pack #27. du Maurier "Nano Blue" (NF) (Canada)



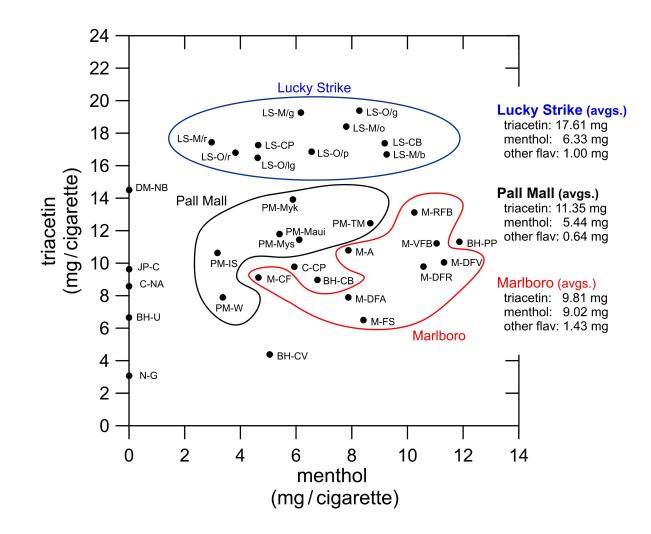


- a. Photo of pack (front);
- b. Opened filter showing a black powder (likely activated charcoal);
- b. Filter end of cigarette.

### Figure S27.b. Pack #27. du Maurier "Nano Blue" (NF)



### Figure S28. Triacetin (mg/cigarette) vs. menthol (mg/cigarette).



### Figure S29. TOFCs (mg/cigarette) vs. menthol (mg/cigarette).

