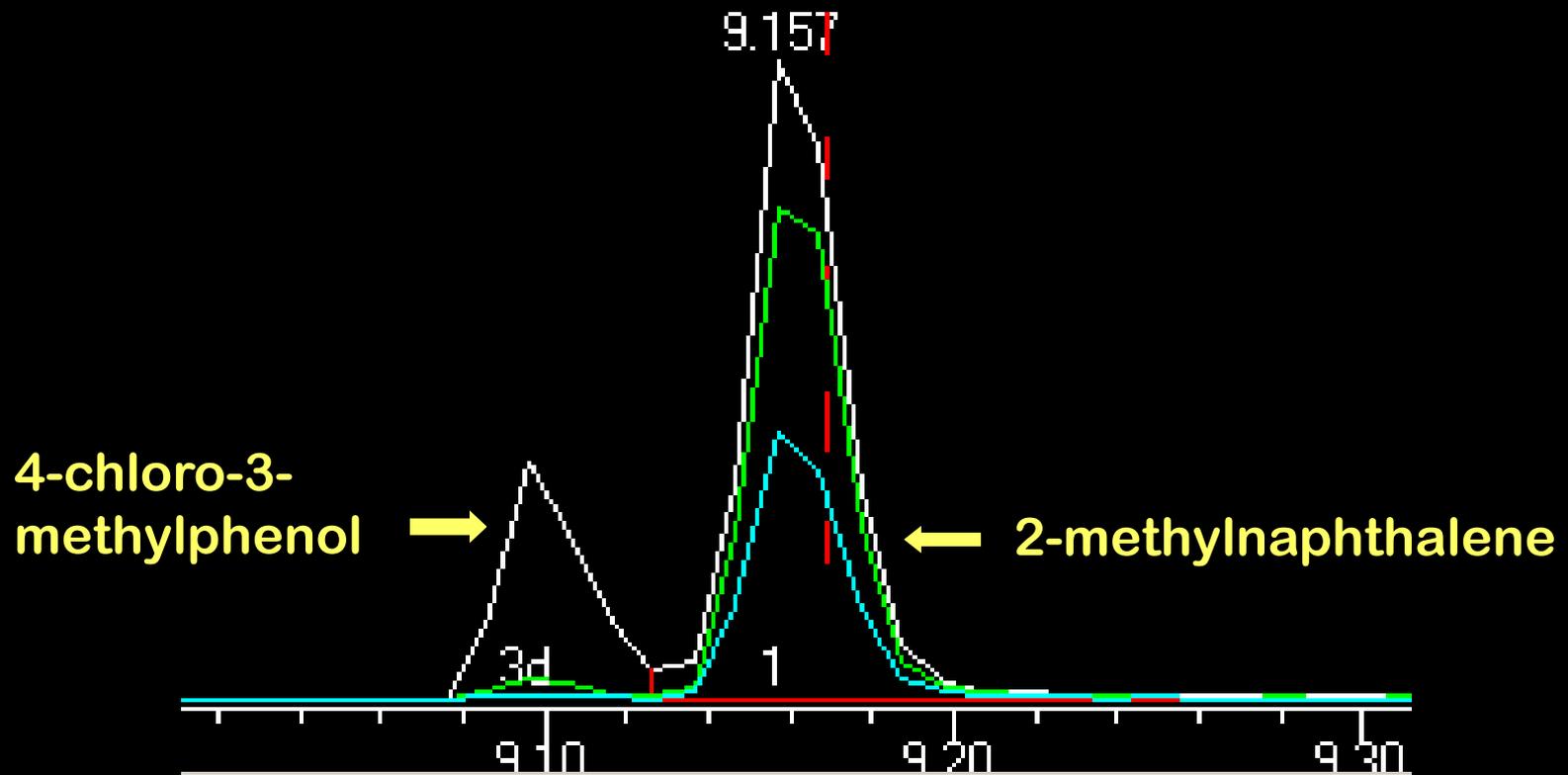


# The Effect On Calibration From Inconsistent Standard Responses

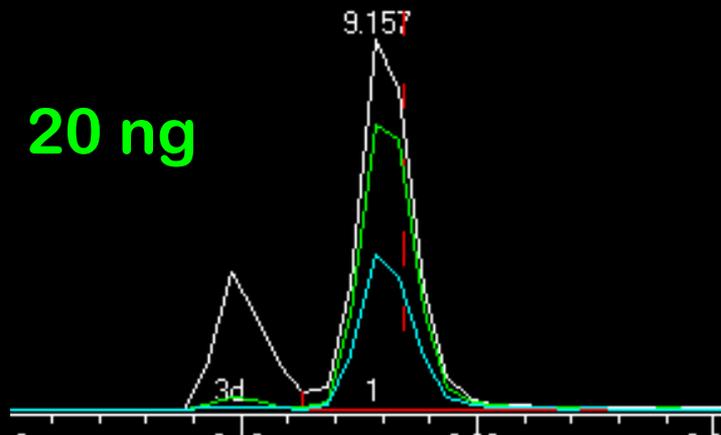


Ion 142.00 (141.70 to 142.70): BA016114.D\data.ms  
Ion 141.00 (140.70 to 141.70): BA016114.D\data.ms  
Ion 115.00 (114.70 to 115.70): BA016114.D\data.ms

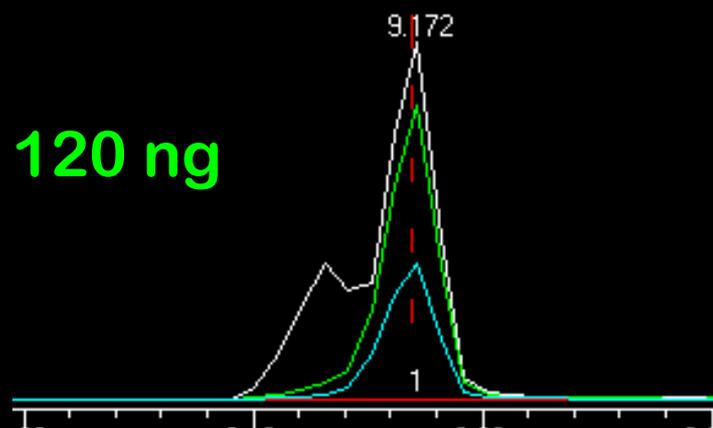


# 2- methylnaphthalene

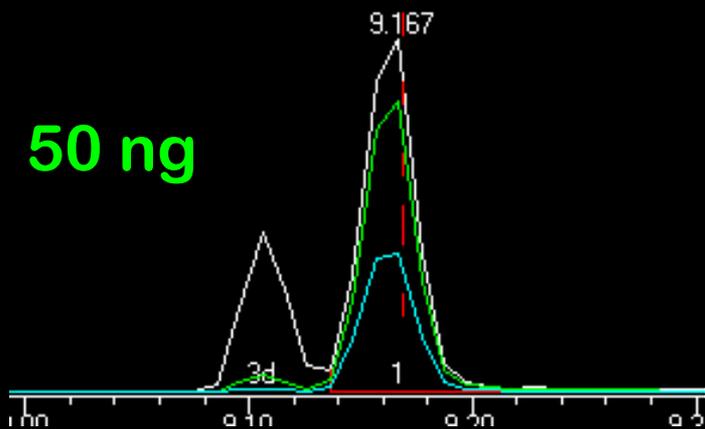
20 ng



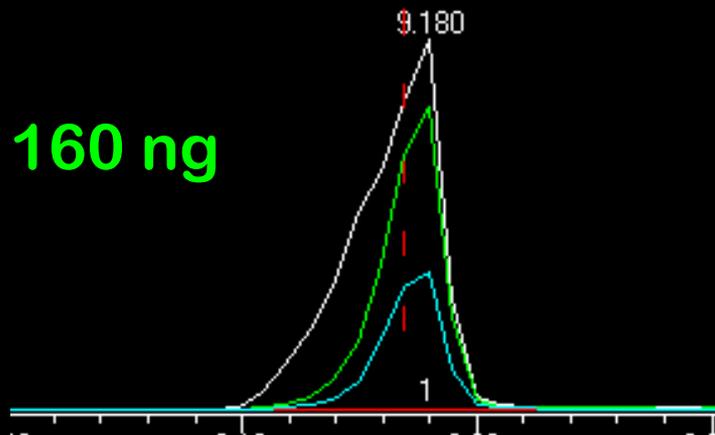
120 ng



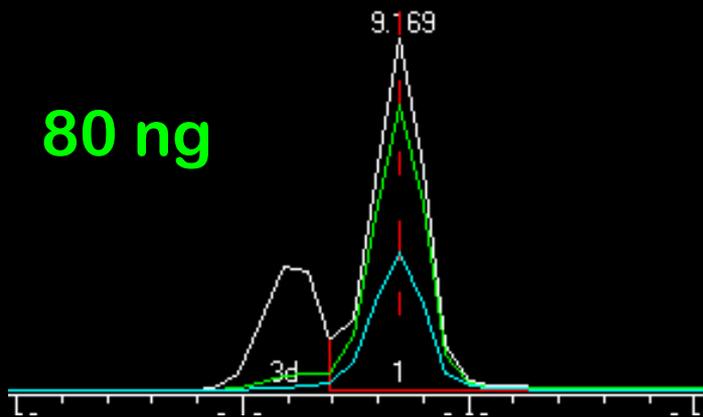
50 ng

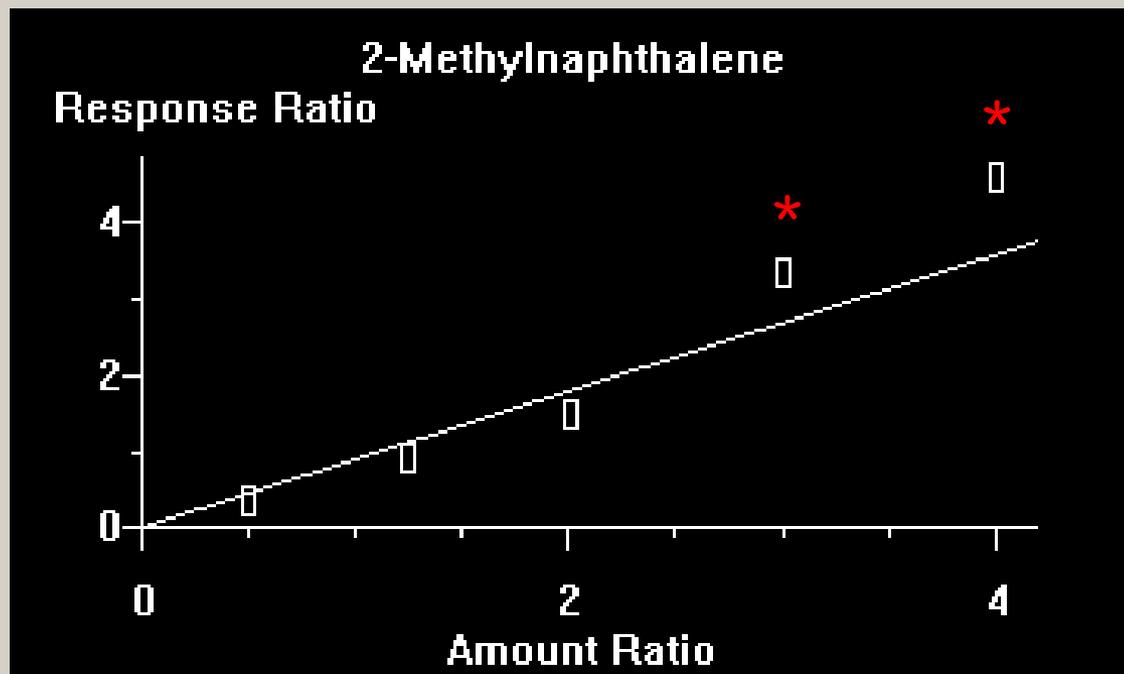


160 ng



80 ng





Amount Ratio	Response Ratio
2.00000000	1.49796804
4.00000000	4.60049585
0.50000000	0.36029521
3.00000000	3.33926785
1.25000000	0.92751615

Resp Ratio = 8.95e-001 \* Amt

RF Rel Std Dev = 24.2% Curve Fit: Avg RF

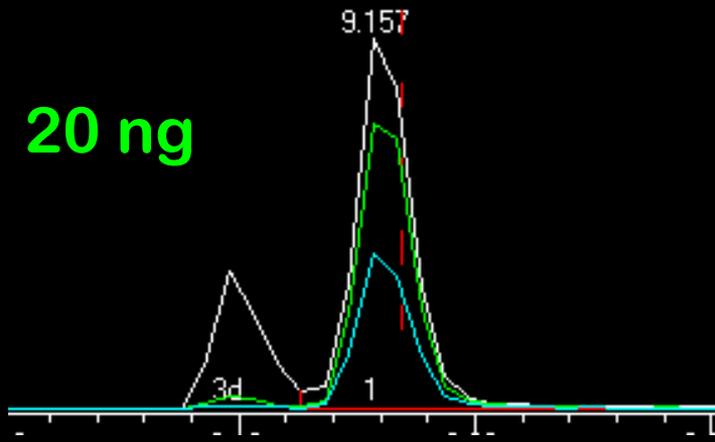
OK

Print

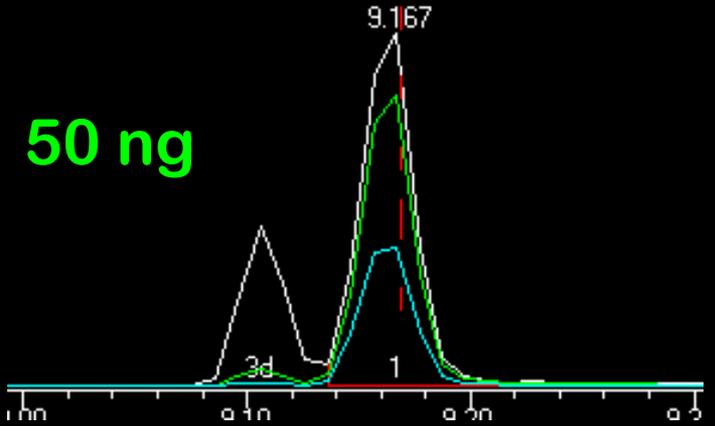


# 2- methylnaphthalene

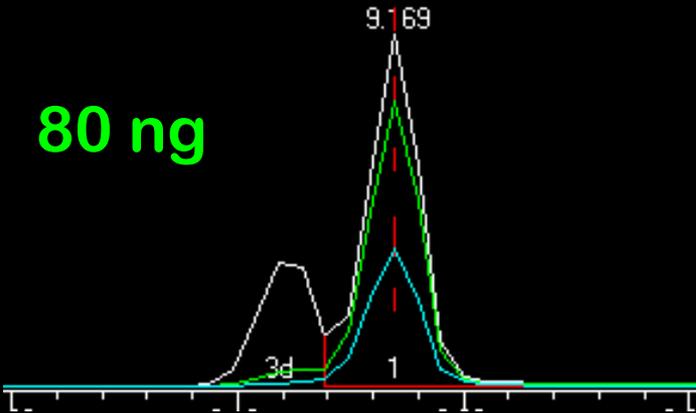
20 ng



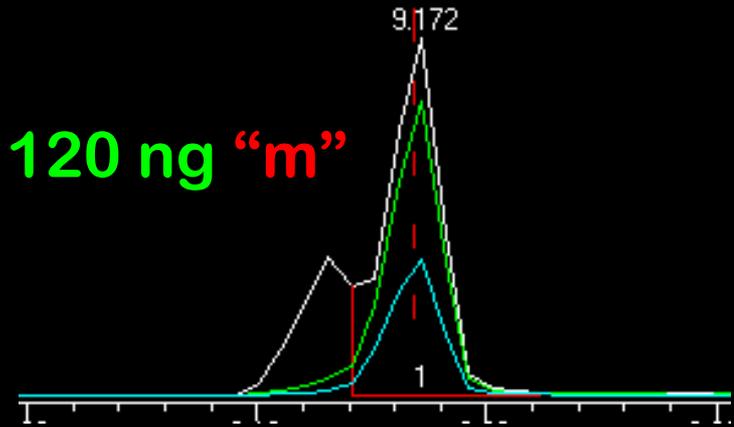
50 ng



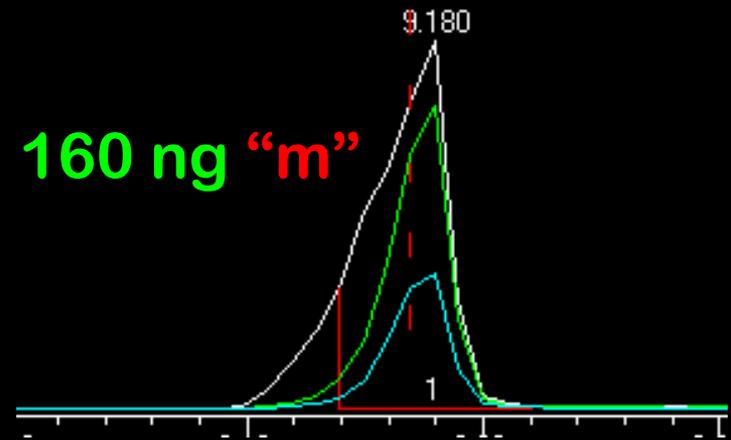
80 ng

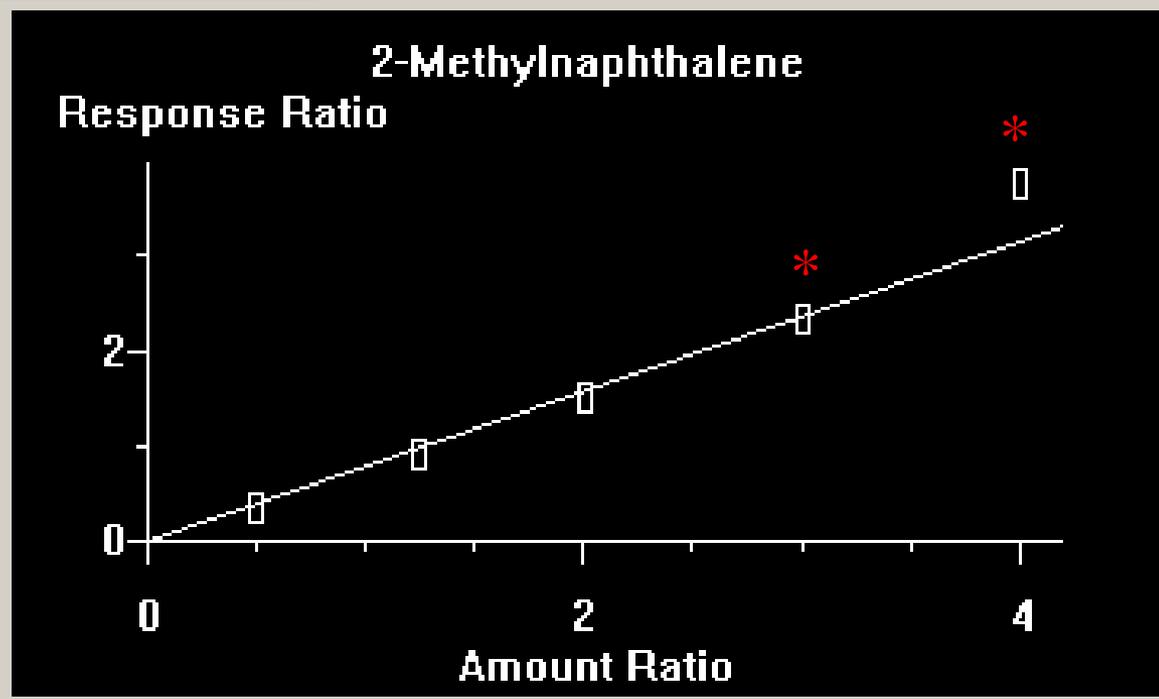


120 ng "m"



160 ng "m"





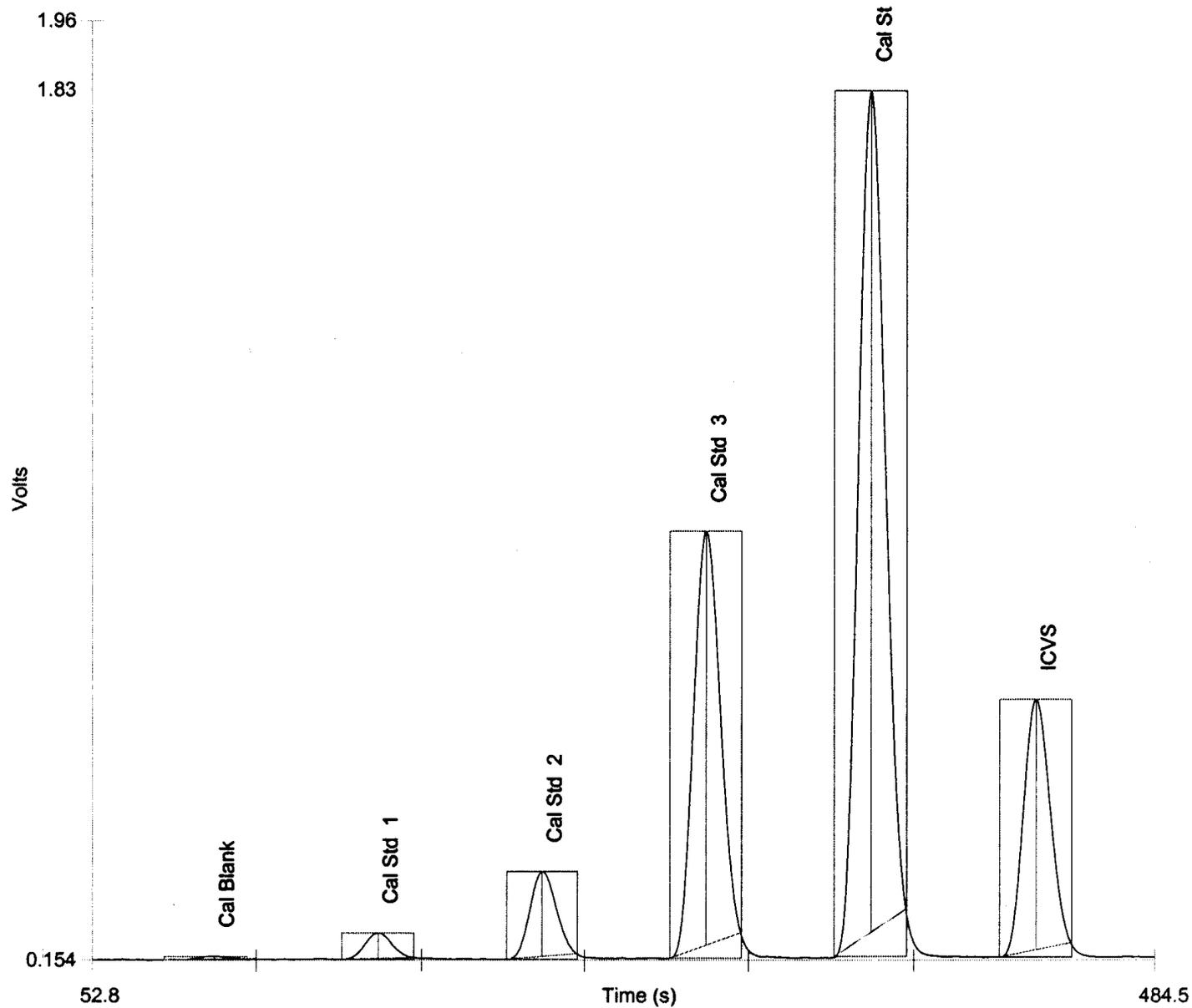
Amount Ratio	Response Ratio
2.00000000	1.49796804
4.00000000	3.76260734
0.50000000	0.36029521
3.00000000	2.32780972
1.25000000	0.92751615

Resp Ratio = 7.86e-001 \* Amt  
 RF Rel Std Dev = 11.3% Curve Fit: Avg RF

OK

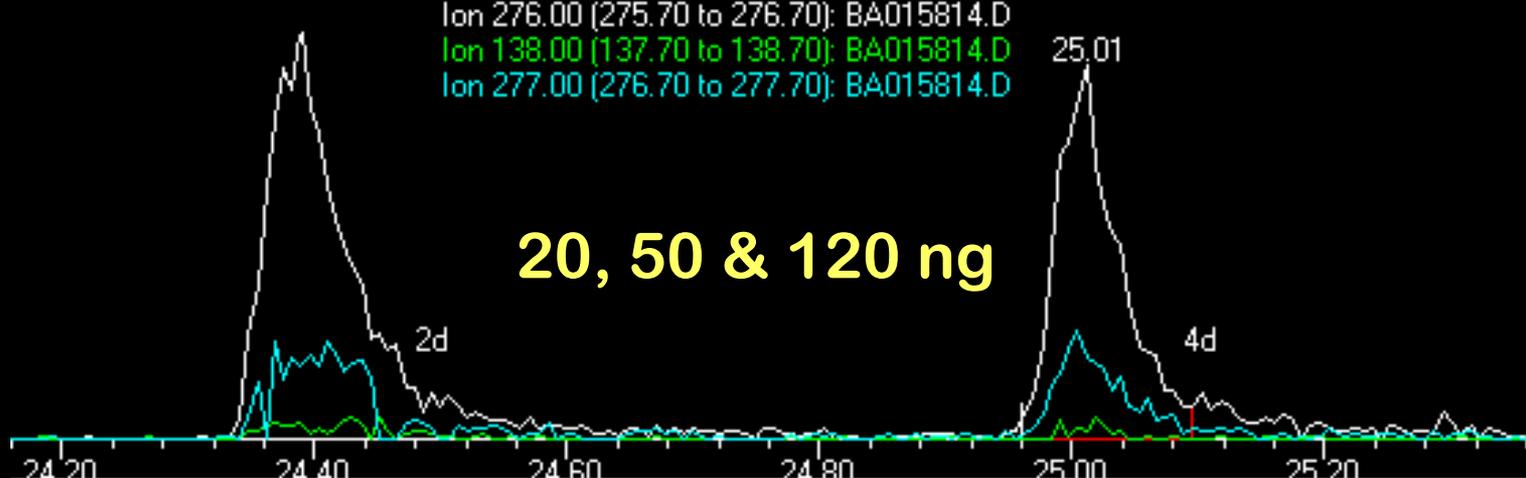
Print





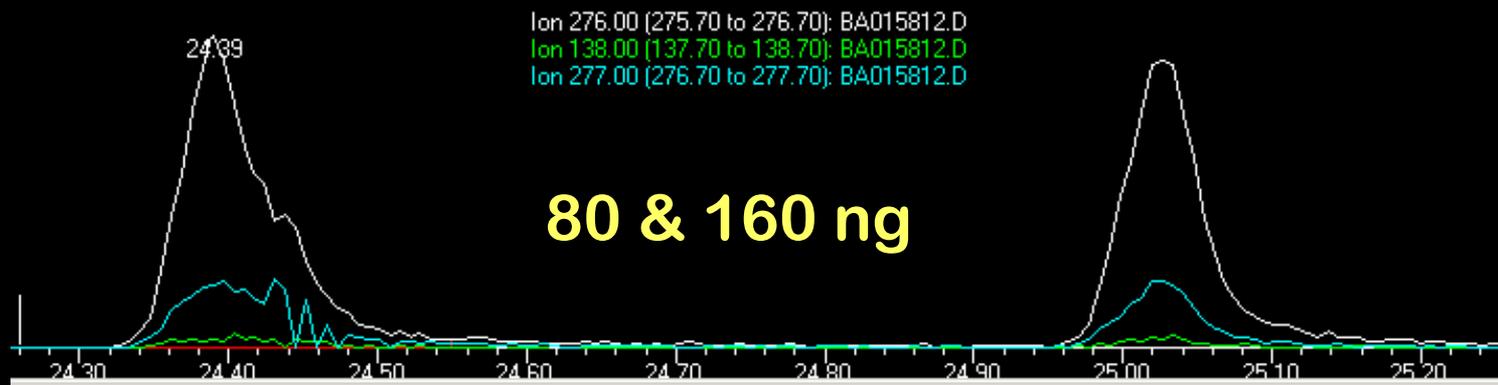
# TKN Standard Curve





Ion 276.00 (275.70 to 276.70): BA015814.D  
 Ion 138.00 (137.70 to 138.70): BA015814.D  
 Ion 277.00 (276.70 to 277.70): BA015814.D

**20, 50 & 120 ng**



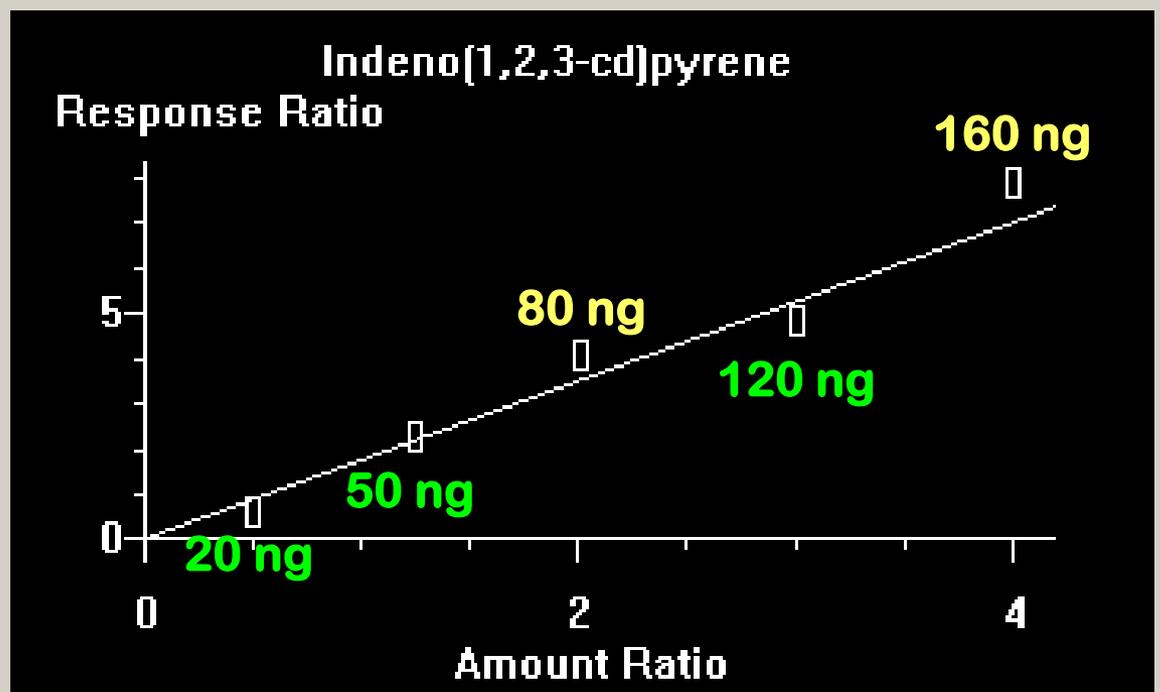
Ion 276.00 (275.70 to 276.70): BA015812.D  
 Ion 138.00 (137.70 to 138.70): BA015812.D  
 Ion 277.00 (276.70 to 277.70): BA015812.D

**80 & 160 ng**



**Indeno[1,2,3-cd]pyrene**





# Calibration Plot

ng = 1st peak

ng = 2nd peak

Amount Ratio	Response Ratio
2.00000000	4.08144568
4.00000000	7.90955242
0.50000000	0.62417176
3.00000000	4.86205738
1.25000000	2.27086664

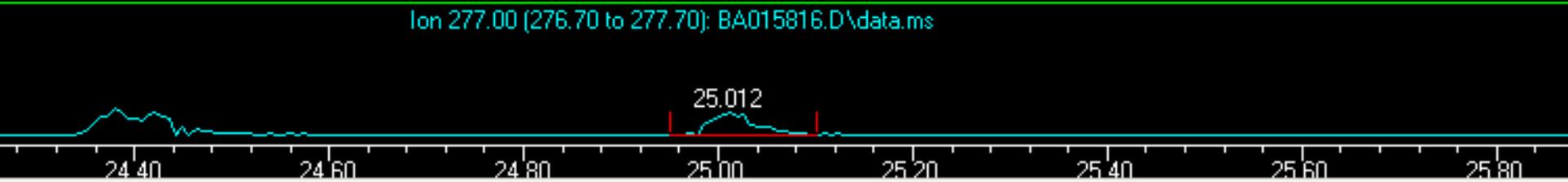
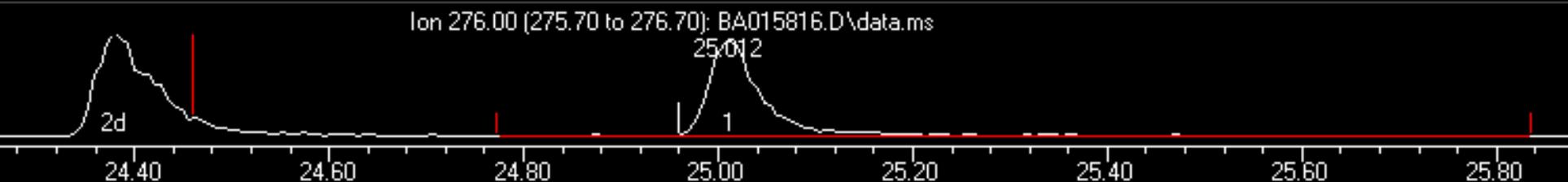
Resp Ratio = 1.74e+000 \* Amt

RF Rel Std Dev = 18.4%    Curve Fit: Avg RF

OK

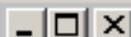
Print





5816.D\data.ms

276



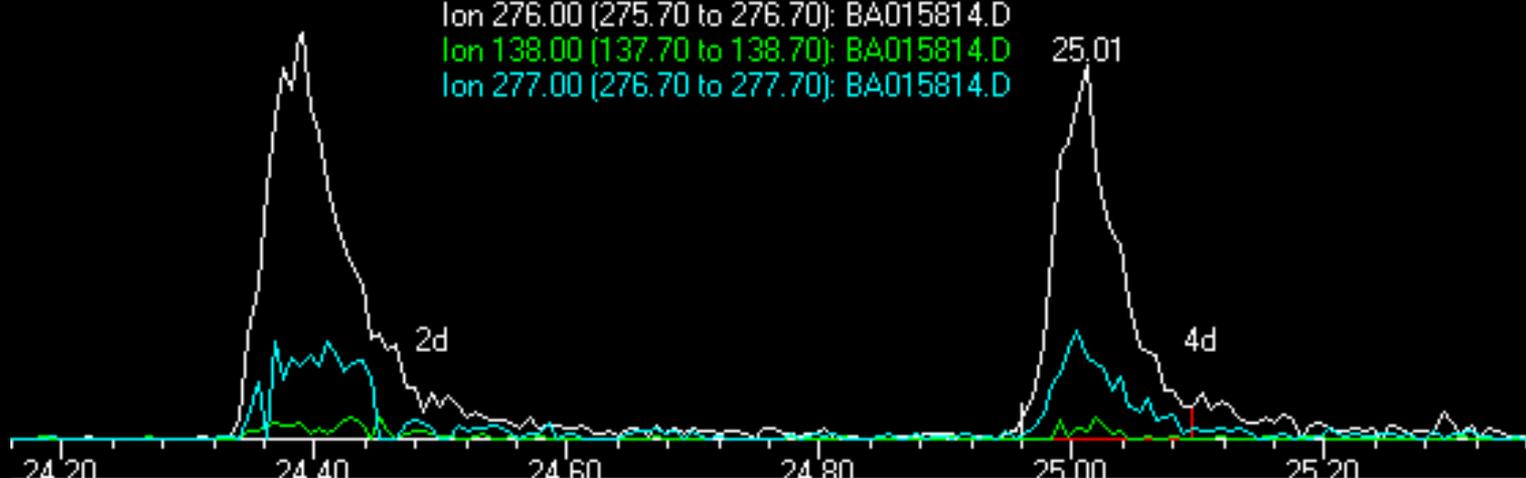
[7] TIC: BA015816.D\data.ms

(84) Indeno[1,2,3-cd]pyrene

25.012min (+0.552) 44.51ng m \*

# 50 ng Indeno[1,2,3-cd]pyrene Manual Integration





Ion 276.00 (275.70 to 276.70): BA015814.D  
 Ion 138.00 (137.70 to 138.70): BA015814.D  
 Ion 277.00 (276.70 to 277.70): BA015814.D

min): BA015814.D [7] TIC: BA015814.D

276

(84) Indeno(1,2,3-cd)pyrene  
 25.01min 12.23ng



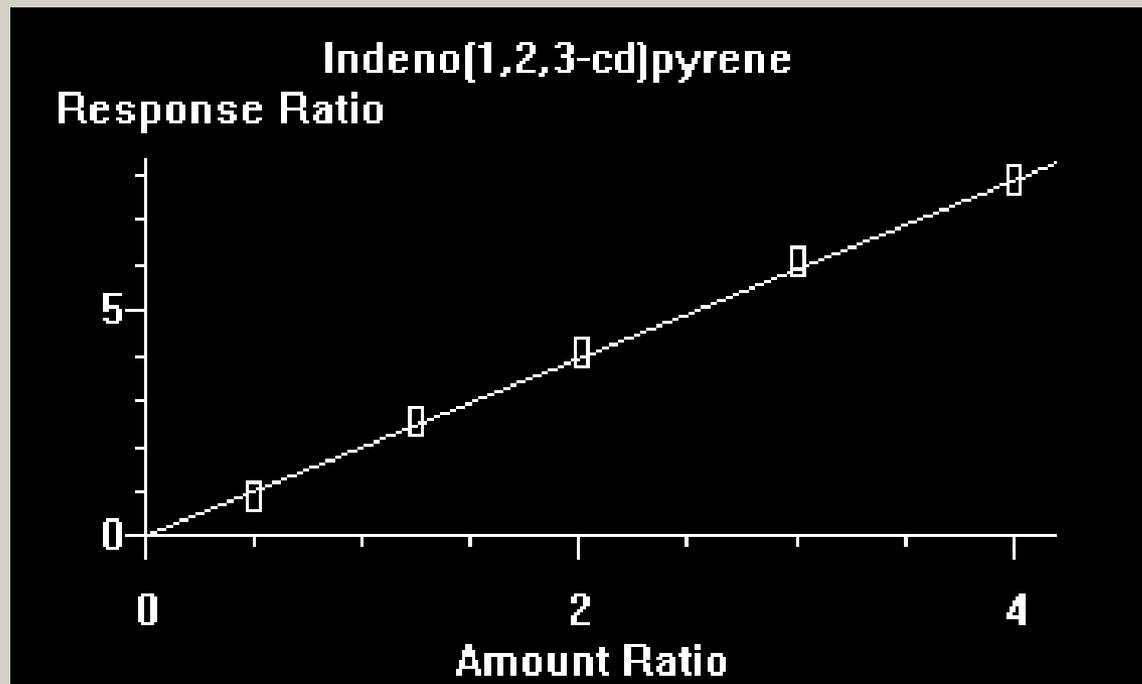
Ion 276.00 (275.70 to 276.70): BA015814.D\data.ms  
 Ion 277.00 (276.70 to 277.70): BA015814.D\data.ms  
 Ion 138.00 (137.70 to 138.70): BA015814.D\data.ms

15814.D\data.ms [7] TIC: BA015814.D\data.ms

276

(90) Benzo(g,h,i)perylene  
 25.011min (-0.168) 16.95ng m





Amount Ratio	Response Ratio
2.00000000	4.08144568
4.00000000	7.90955242
0.50000000	0.87176350
3.00000000	6.10493014
1.25000000	2.53491235

Resp Ratio = 1.96e+000 \* Amt

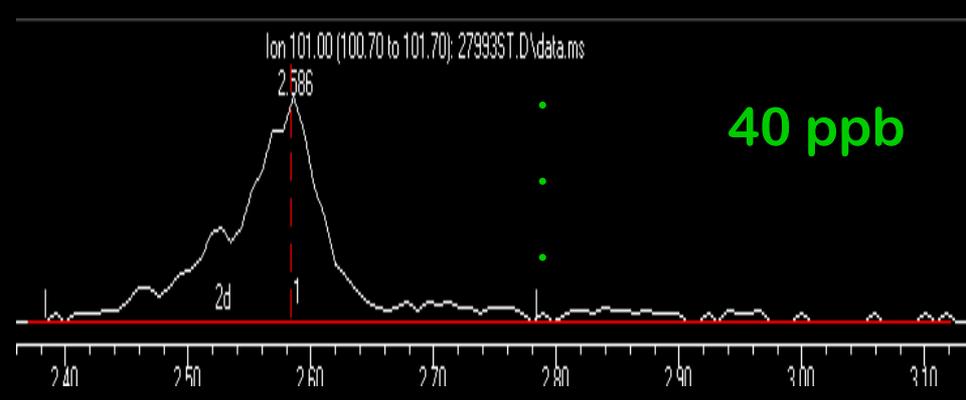
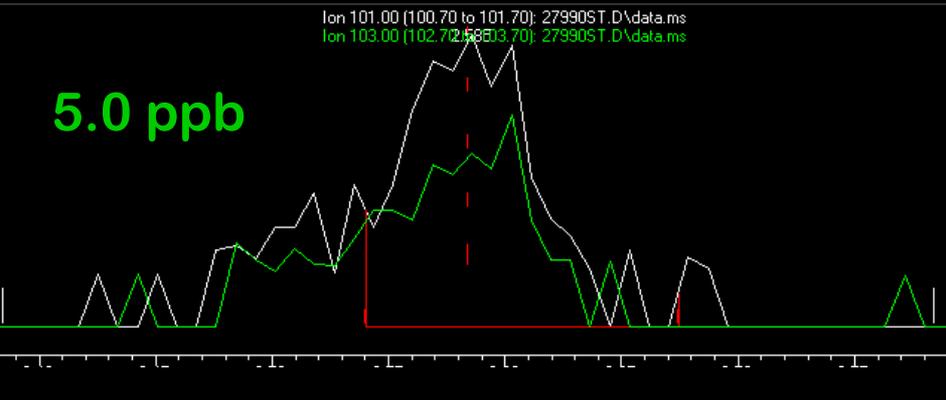
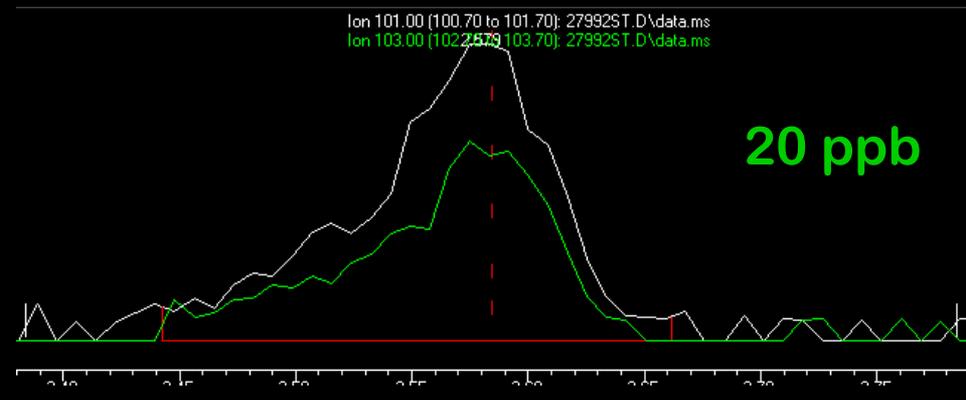
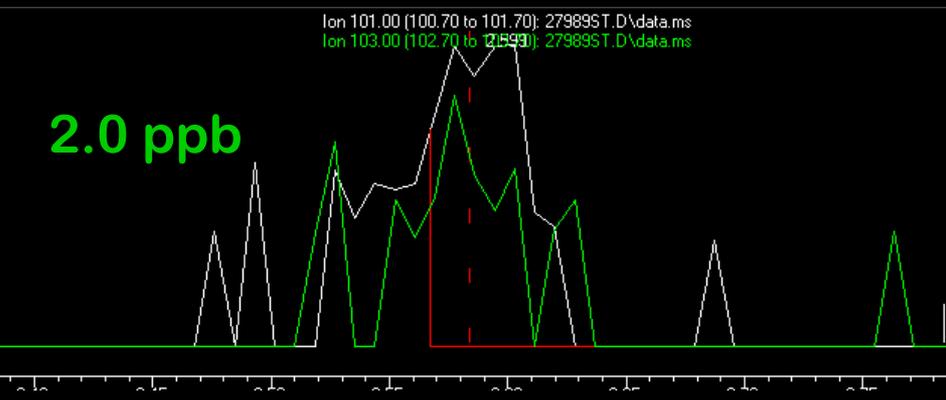
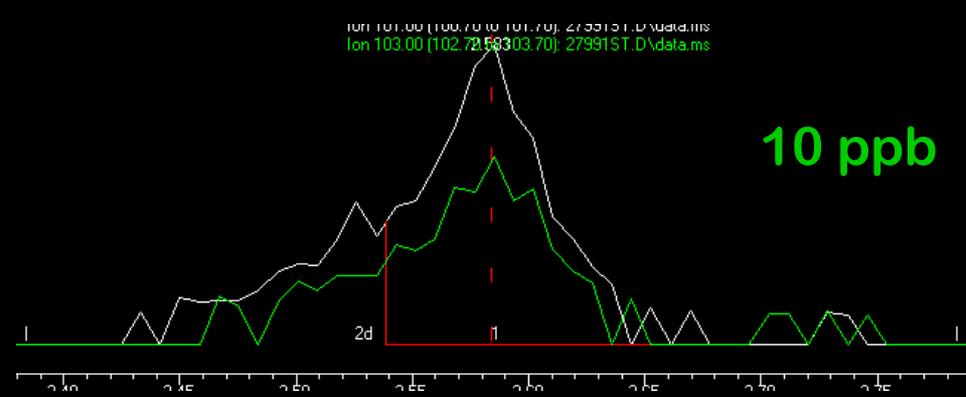
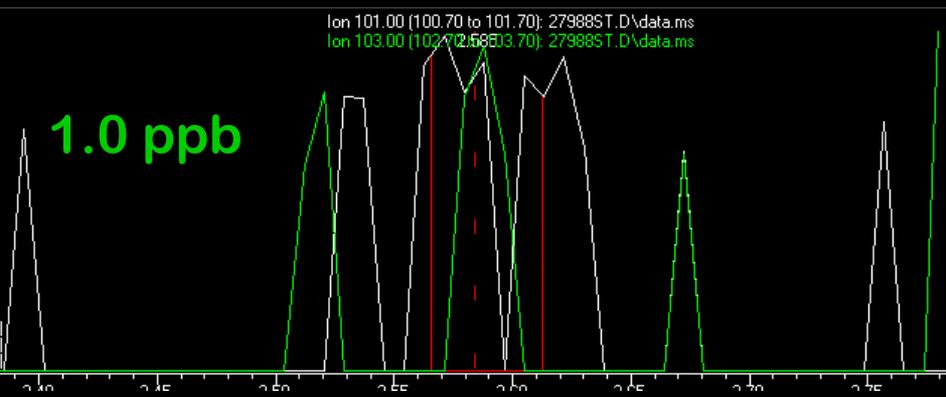
RF Rel Std Dev = 6.4% Curve Fit: Avg RF

OK

Print

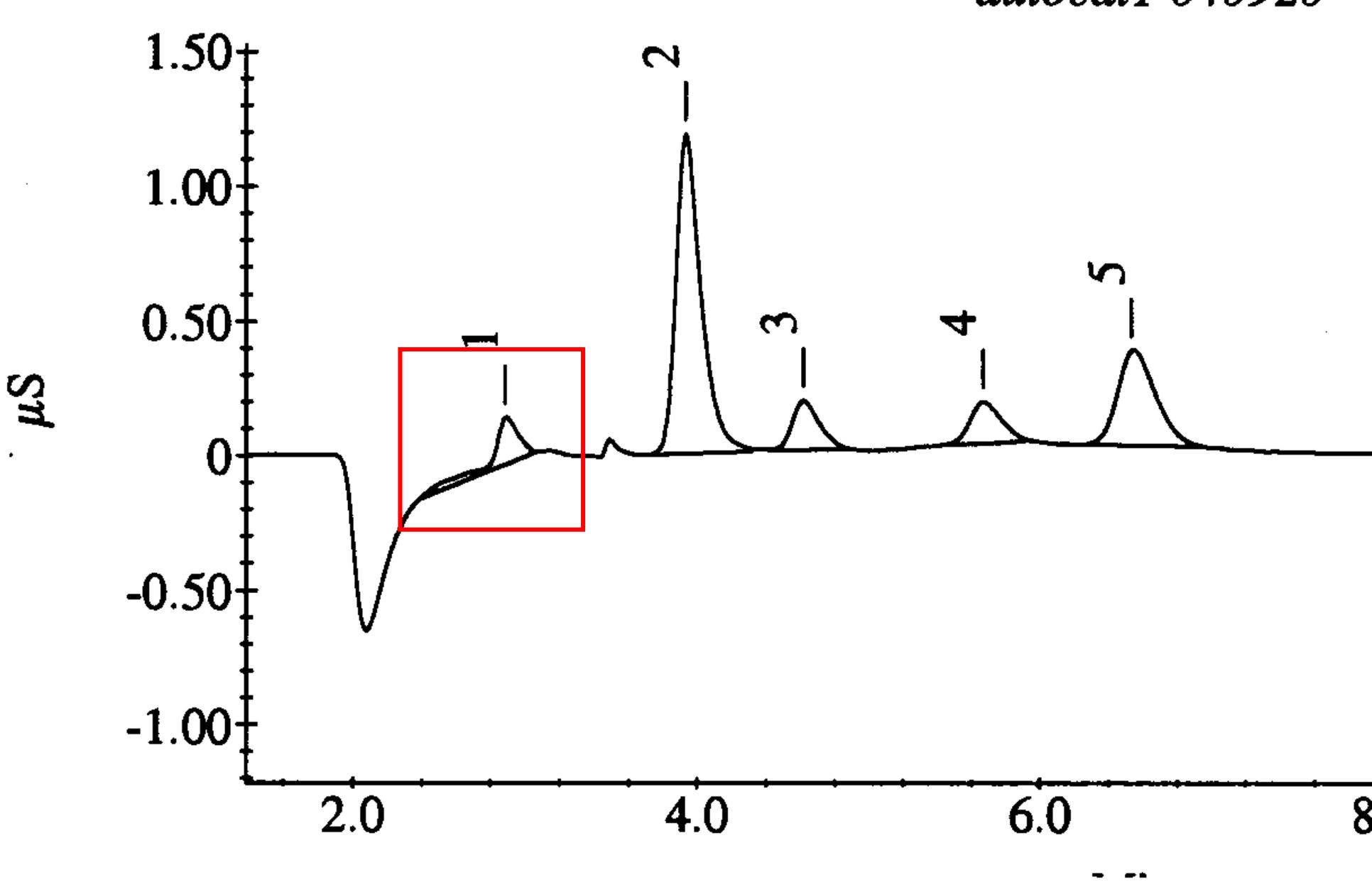
Indeno[1,2,3-cd]-  
Pyrene Using  
Correct Peak For  
20, 50 and 120 ng  
Standards





# Trichlorofluoromethane





**Fluoride Standard**

