

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD083024AR\  
 Data File : FD048251.D  
 Signal(s) : FID2B.ch  
 Acq On : 30 Aug 2024 07:18  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 20 PPM AROMATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/03/2024  
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e  
 Quant Time: Aug 31 02:51:59 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 081324.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Aug 12 16:16:10 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.393  | 3139593    | 21.034 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.07%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.243  | 2050251    | 21.420 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 42.84%        |
| 11) S ortho-Terphenyl (SURR)       | 11.279 | 3588328    | 21.303 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.61%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.214  | 3580683    | 21.006 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.733  | 3681499    | 21.128 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.780  | 3665707    | 21.079 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.046  | 3610102    | 20.967 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.340  | 3663259    | 21.156 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.118  | 3506141    | 21.261 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.505 | 3437223    | 21.477 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.581 | 3093586    | 19.722 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.308 | 3394874    | 21.323 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.602 | 3392019    | 21.614 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.469 | 3036016    | 21.553 ug/mlm |
| 15) T Chrysene (C27.41)            | 14.511 | 3280798    | 20.582 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.015 | 3181471    | 21.428 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 16.046 | 3085691    | 20.800 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 16.391 | 3166505    | 21.501 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.753 | 2664486    | 21.798 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.793 | 3375547    | 22.097 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.004 | 3039433    | 20.127 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
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Misc :  
ALS Vial : 52 Sample Multiplier: 1

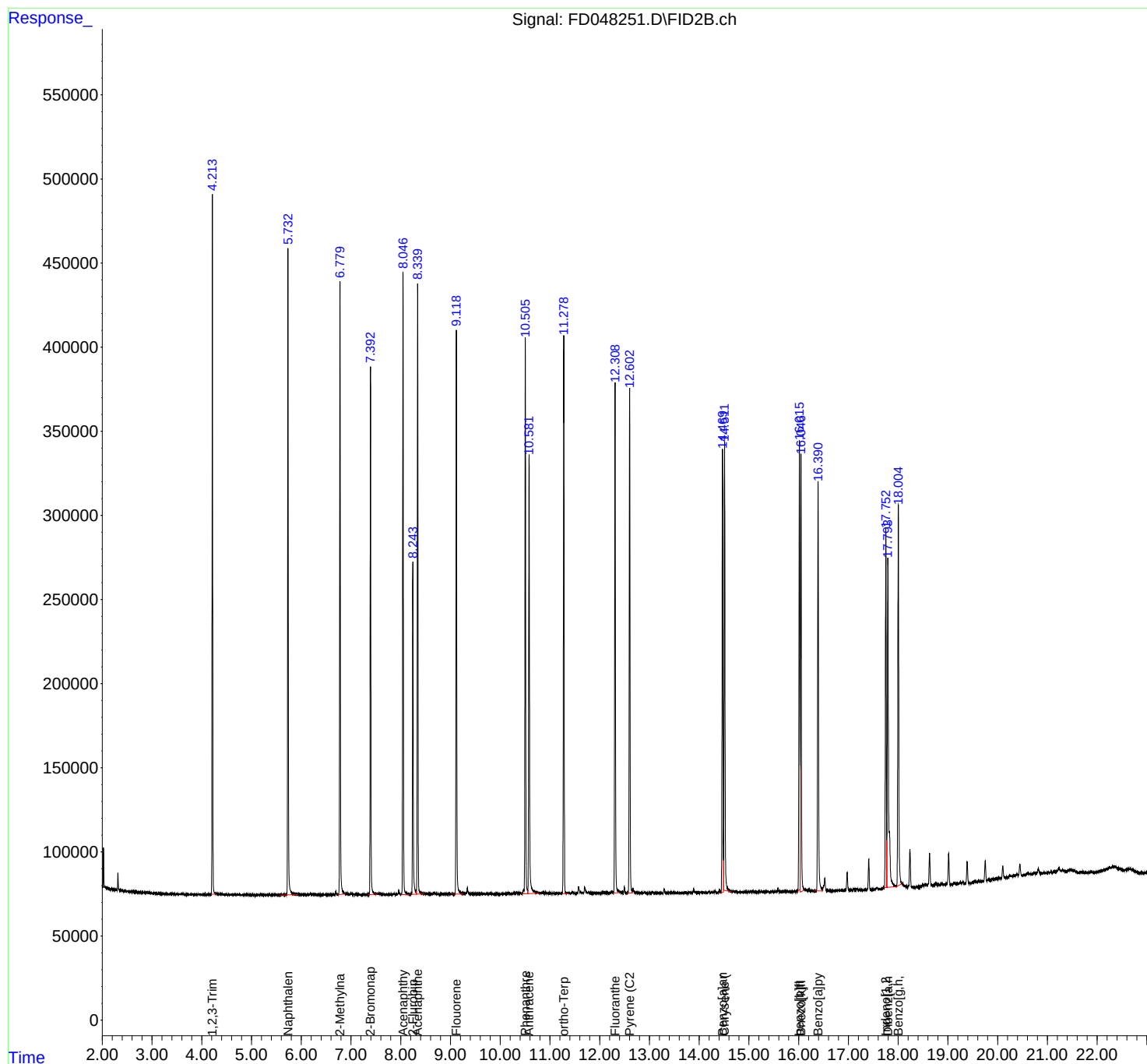
Instrument :  
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ClientSampleId :  
20 PPM AROMATIC HC STD

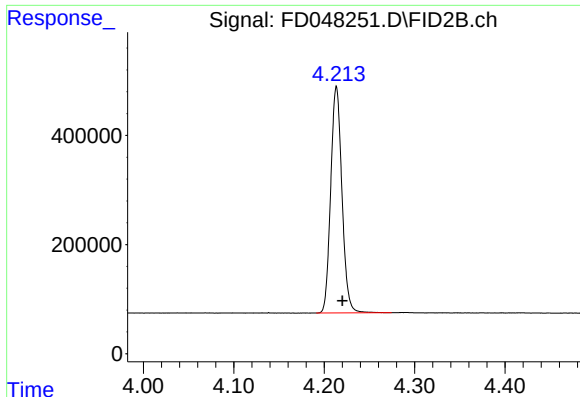
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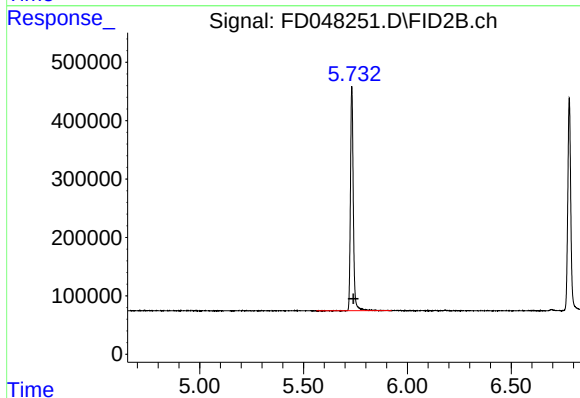
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.214 min  
Delta R.T.: -0.006 min  
Response: 3580683  
Conc: 21.01 ug/ml

Instrument :  
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20 PPM AROMATIC HC STD

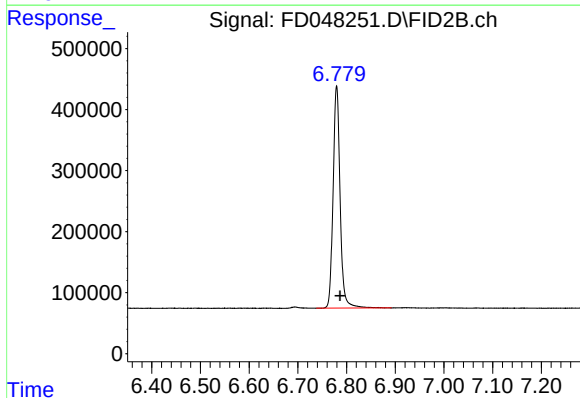
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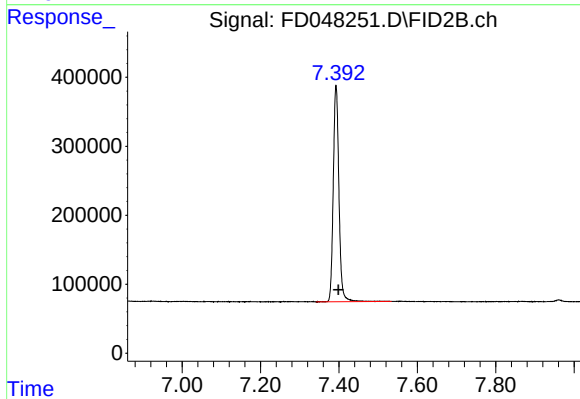
#2 Naphthalene (C11.7)

R.T.: 5.733 min  
Delta R.T.: -0.008 min  
Response: 3681499  
Conc: 21.13 ug/ml



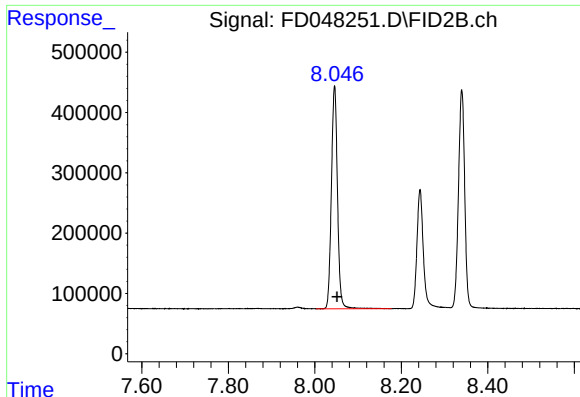
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.780 min  
Delta R.T.: -0.007 min  
Response: 3665707  
Conc: 21.08 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.393 min  
Delta R.T.: -0.006 min  
Response: 3139593  
Conc: 21.03 ug/ml



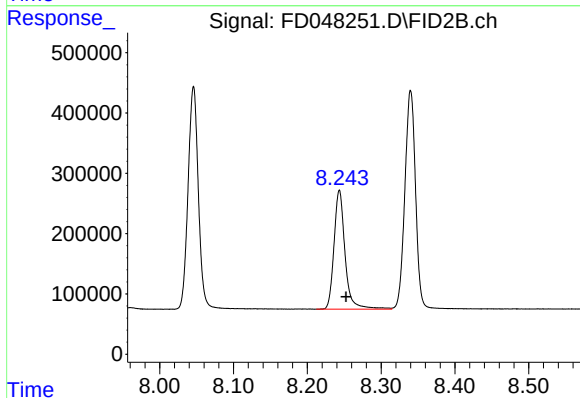
#5 Acenaphthylene (C15.06)

R.T.: 8.046 min  
Delta R.T.: -0.006 min  
Response: 3610102  
Conc: 20.97 ug/ml

Instrument :  
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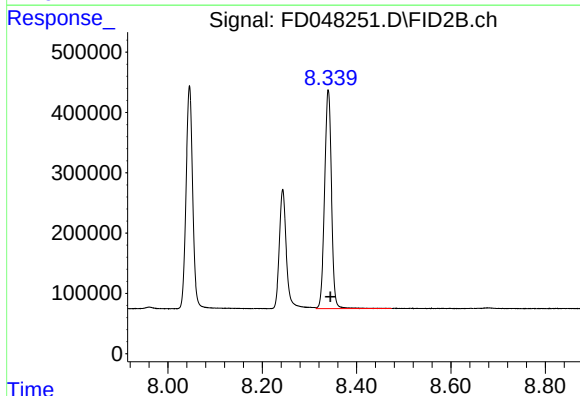
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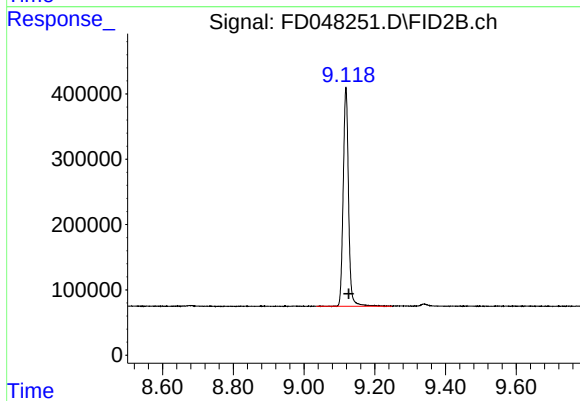
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.243 min  
Delta R.T.: -0.009 min  
Response: 2050251  
Conc: 21.42 ug/ml



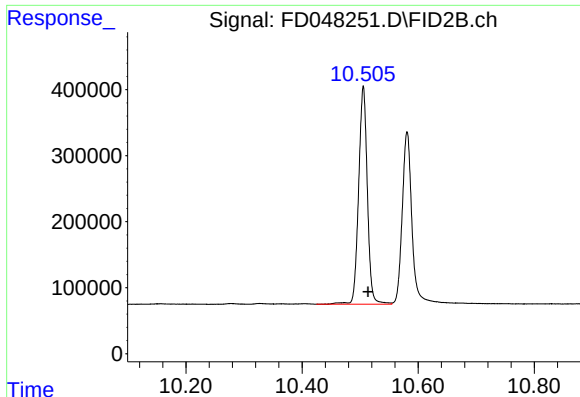
#7 Acenaphthene (C15.5)

R.T.: 8.340 min  
Delta R.T.: -0.005 min  
Response: 3663259  
Conc: 21.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.118 min  
Delta R.T.: -0.008 min  
Response: 3506141  
Conc: 21.26 ug/ml



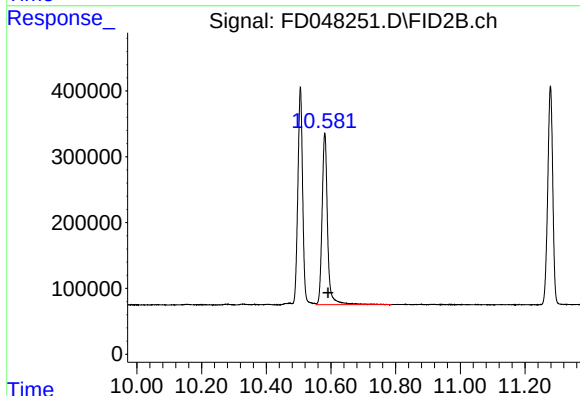
# #9 Phenanthrene (C19.36)

R.T.: 10.505 min  
Delta R.T.: -0.008 min  
Response: 3437223  
Conc: 21.48 ug/ml

Instrument :  
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20 PPM AROMATIC HC STD

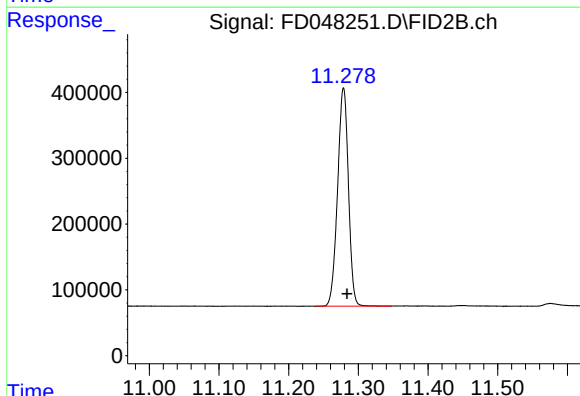
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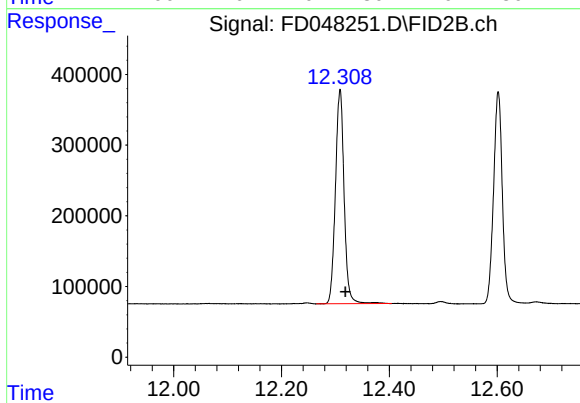
# #10 Anthracene (C19.43)

R.T.: 10.581 min  
Delta R.T.: -0.010 min  
Response: 3093586  
Conc: 19.72 ug/ml



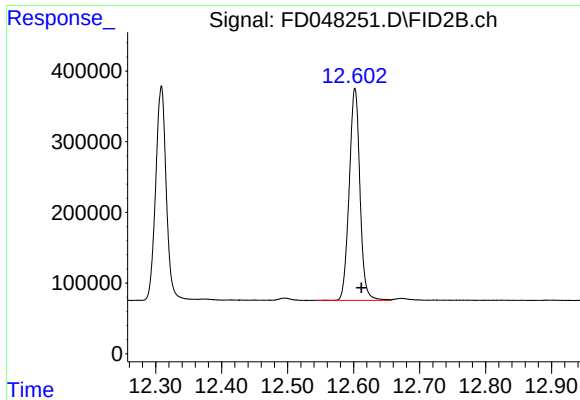
# #11 ortho-Terphenyl (SURR)

R.T.: 11.279 min  
Delta R.T.: -0.005 min  
Response: 3588328  
Conc: 21.30 ug/ml



# #12 Fluoranthene (C21.85)

R.T.: 12.308 min  
Delta R.T.: -0.010 min  
Response: 3394874  
Conc: 21.32 ug/ml



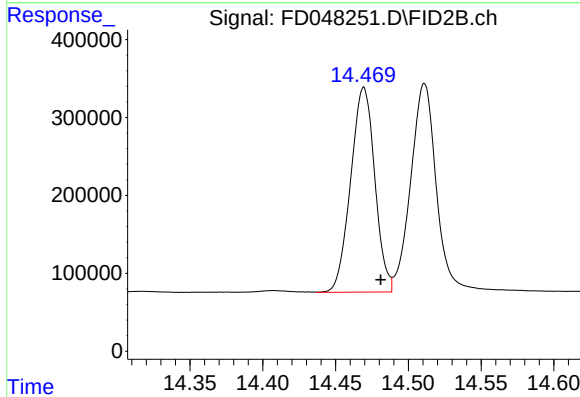
#13 Pyrene (C20.8)

R.T.: 12.602 min  
Delta R.T.: -0.010 min  
Response: 3392019  
Conc: 21.61 ug/ml

Instrument :  
FID\_D  
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20 PPM AROMATIC HC STD

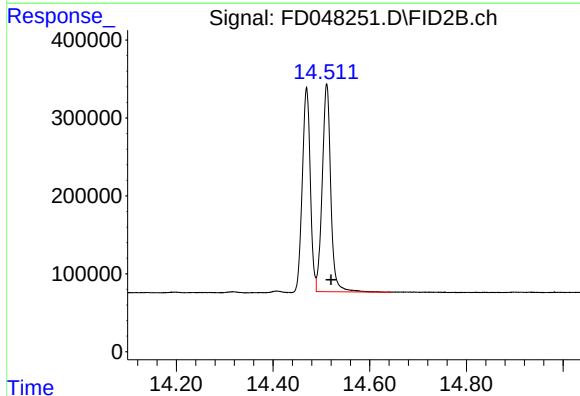
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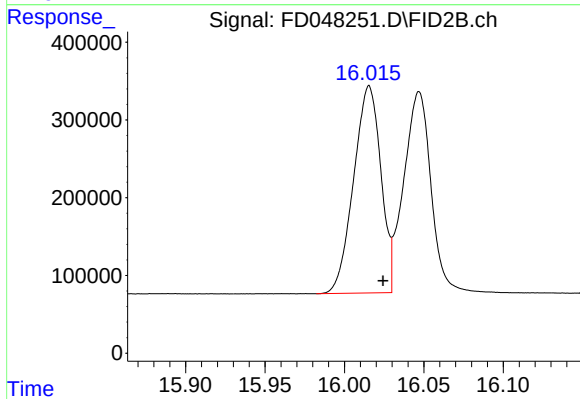
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.469 min  
Delta R.T.: -0.012 min  
Response: 3036016  
Conc: 21.55 ug/ml m



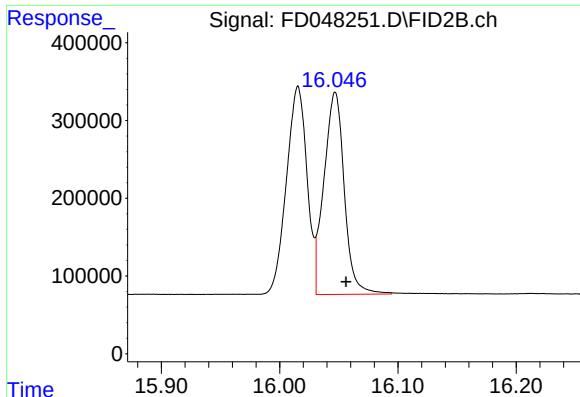
#15 Chrysene (C27.41)

R.T.: 14.511 min  
Delta R.T.: -0.009 min  
Response: 3280798  
Conc: 20.58 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.015 min  
Delta R.T.: -0.009 min  
Response: 3181471  
Conc: 21.43 ug/ml m



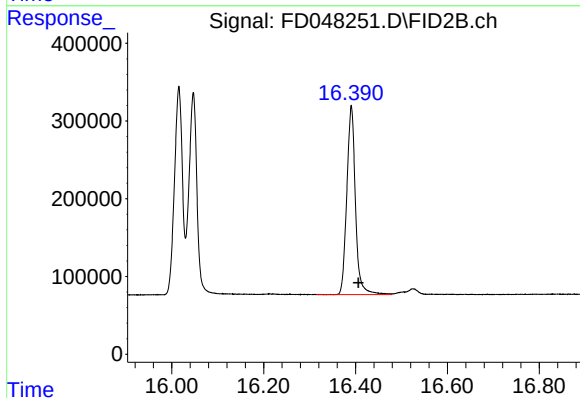
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.046 min  
Delta R.T.: -0.010 min  
Response: 3085691  
Conc: 20.80 ug/ml

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20 PPM AROMATIC HC STD

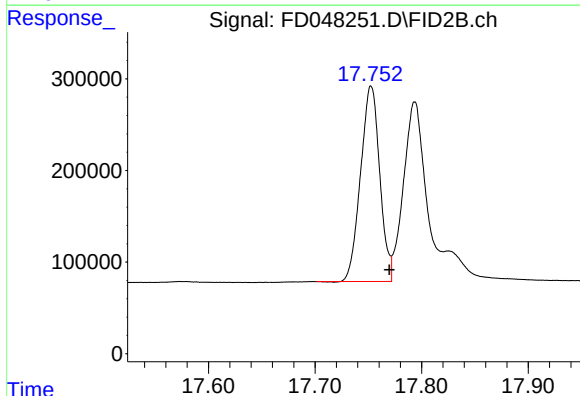
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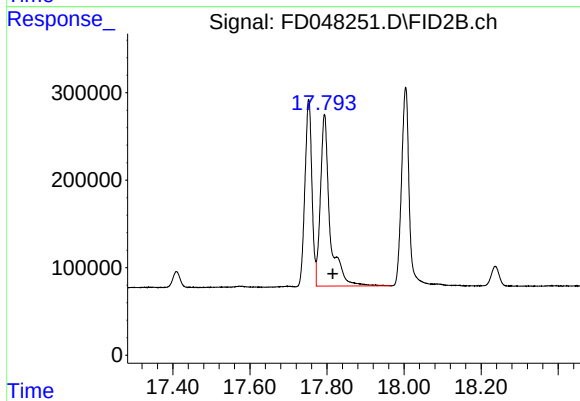
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.391 min  
Delta R.T.: -0.015 min  
Response: 3166505  
Conc: 21.50 ug/ml



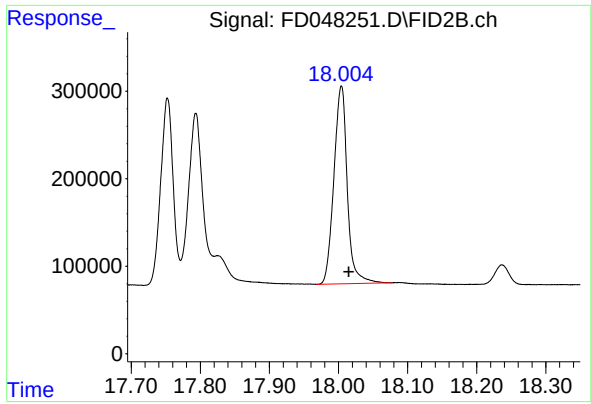
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.753 min  
Delta R.T.: -0.017 min  
Response: 2664486  
Conc: 21.80 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.793 min  
Delta R.T.: -0.021 min  
Response: 3375547  
Conc: 22.10 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.004 min  
Delta R.T.: -0.011 min  
Response: 3039433  
Conc: 20.13 ug/ml

Instrument :

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