

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD062023AR\  
 Data File : FD045899.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Jun 2023 09:20  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023  
 Supervised By :Ankita Jodhani 06/21/2023

Integration File: autoint1.e  
 Quant Time: Jun 20 13:18:07 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 052723.M  
 Quant Title : GC Extractables  
 QLast Update : Sat May 27 06:44:25 2023  
 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...      | 7.520  | 3819055    | 21.183 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.37%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.375  | 2478331    | 20.614 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 41.23%        |
| 11) S ortho-Terphenyl (SURR)       | 11.415 | 4507362    | 20.179 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.36%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.331  | 4386164    | 21.727 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.860  | 4518541    | 21.324 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.909  | 4493163    | 21.274 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.179  | 3922984    | 20.706 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.475  | 4208848    | 20.817 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.253  | 4039817    | 20.389 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.643 | 3780736    | 19.762 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.717 | 3290029    | 19.313 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.446 | 3544851    | 19.187 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.740 | 3427022    | 19.188 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.603 | 3042676    | 19.434 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.645 | 3205705    | 19.431 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.144 | 3132612    | 20.698 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 16.177 | 3107625    | 20.073 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.520 | 3075069    | 21.028 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.876 | 3079490    | 21.025 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.919 | 3240339    | 21.600 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.130 | 3187391    | 21.601 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
Sample : 20 PPM AROMATIC HC STD  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

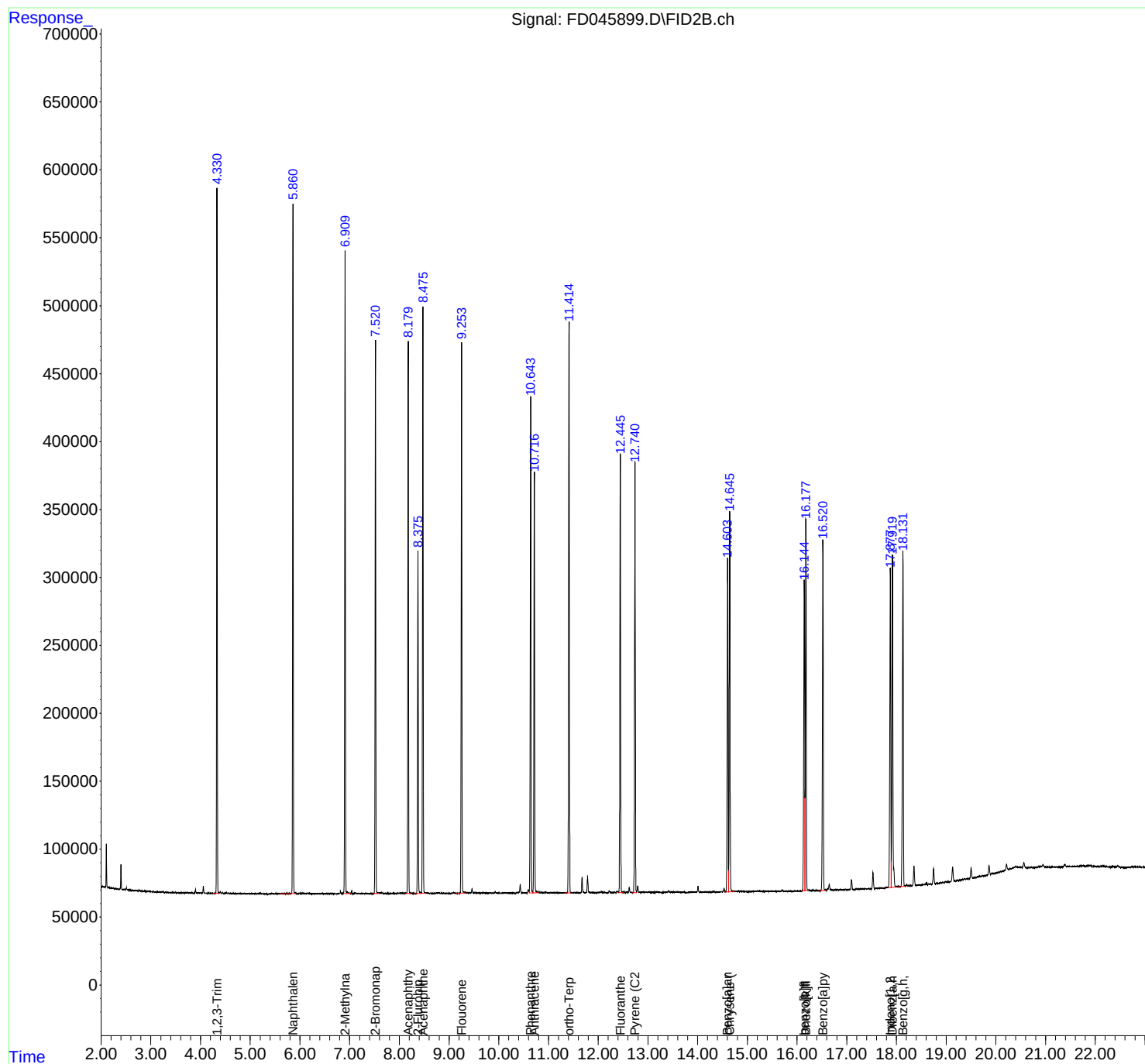
Instrument :  
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20 PPM AROMATIC HC STD

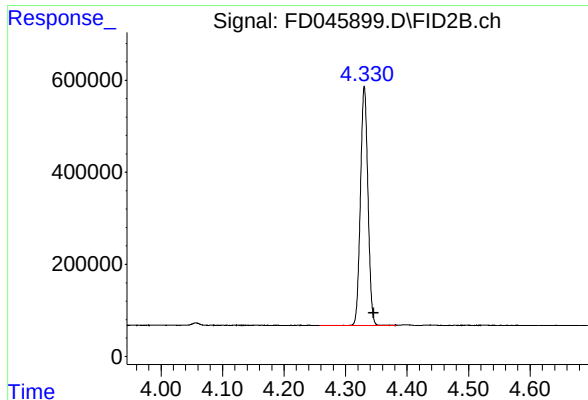
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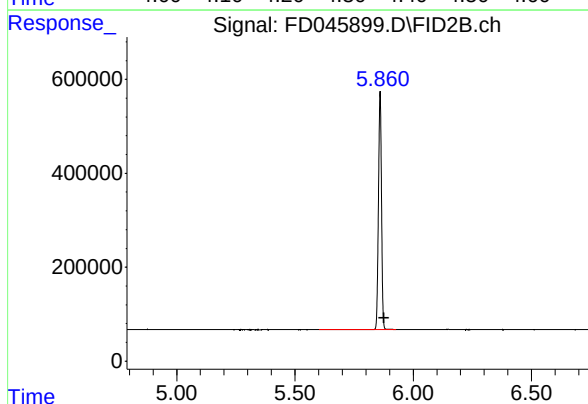
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.331 min  
Delta R.T.: -0.015 min  
Response: 4386164  
Conc: 21.73 ug/ml

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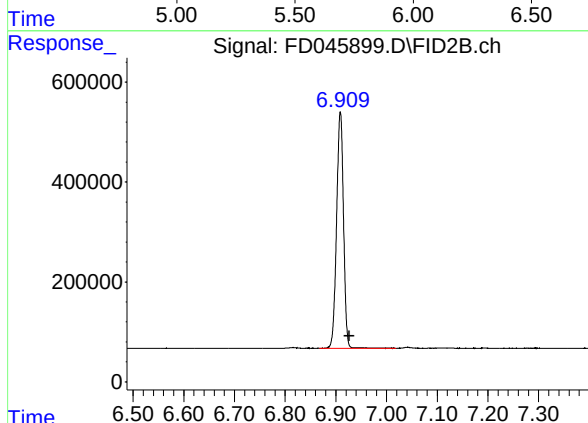
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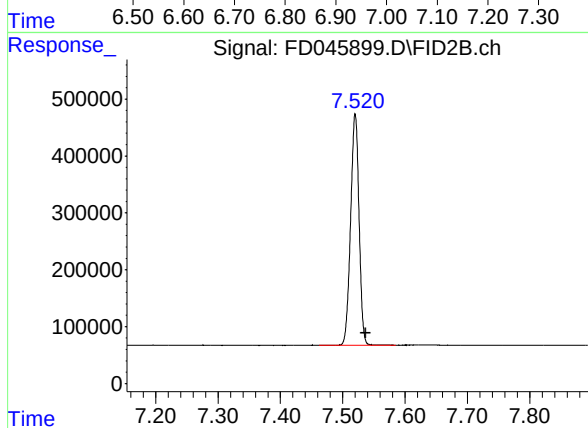
#2 Naphthalene (C11.7)

R.T.: 5.860 min  
Delta R.T.: -0.017 min  
Response: 4518541  
Conc: 21.32 ug/ml



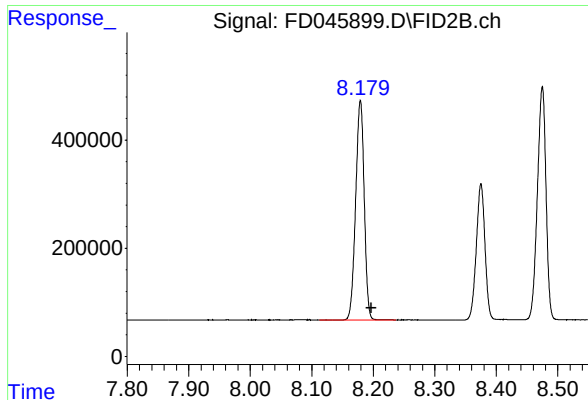
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.909 min  
Delta R.T.: -0.017 min  
Response: 4493163  
Conc: 21.27 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.520 min  
Delta R.T.: -0.017 min  
Response: 3819055  
Conc: 21.18 ug/ml



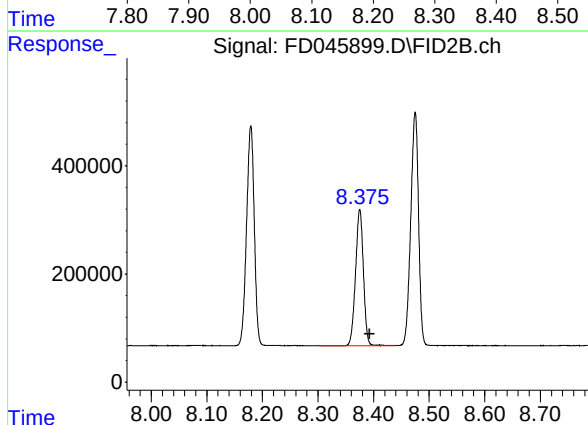
#5 Acenaphthylene (C15.06)

R.T.: 8.179 min  
Delta R.T.: -0.018 min  
Response: 3922984  
Conc: 20.71 ug/ml

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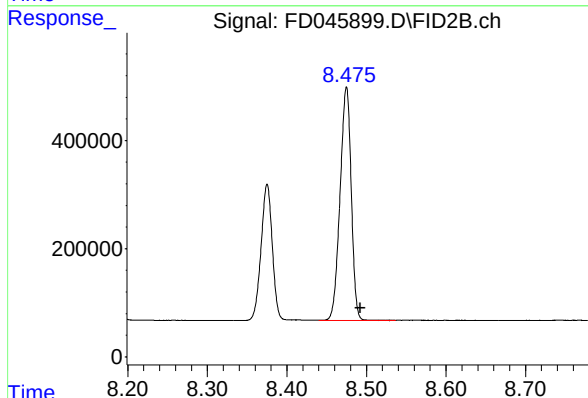
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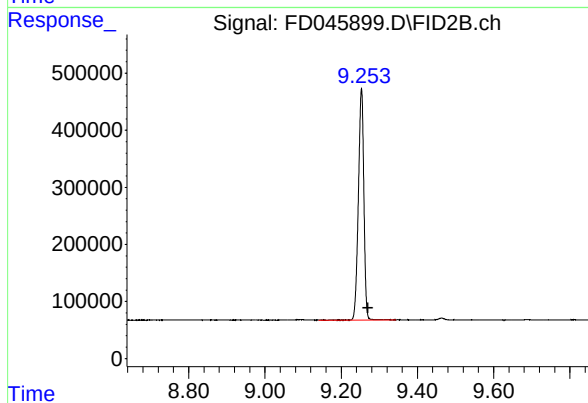
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.375 min  
Delta R.T.: -0.018 min  
Response: 2478331  
Conc: 20.61 ug/ml



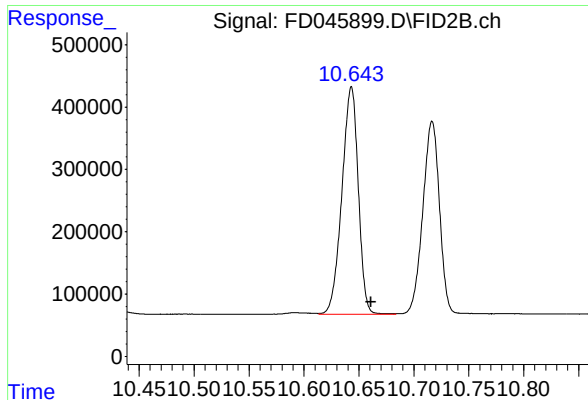
#7 Acenaphthene (C15.5)

R.T.: 8.475 min  
Delta R.T.: -0.018 min  
Response: 4208848  
Conc: 20.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.253 min  
Delta R.T.: -0.017 min  
Response: 4039817  
Conc: 20.39 ug/ml



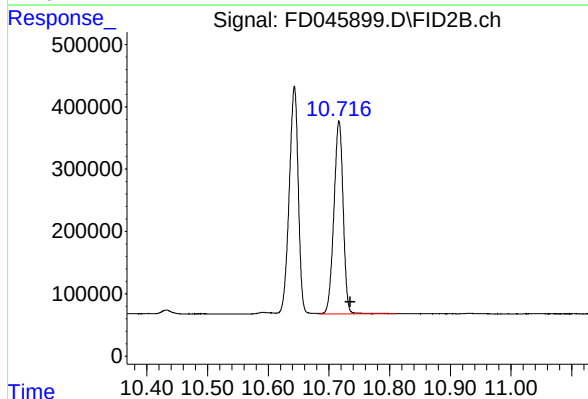
#9 Phenanthrene (C19.36)

R.T.: 10.643 min  
Delta R.T.: -0.018 min  
Response: 3780736  
Conc: 19.76 ug/ml

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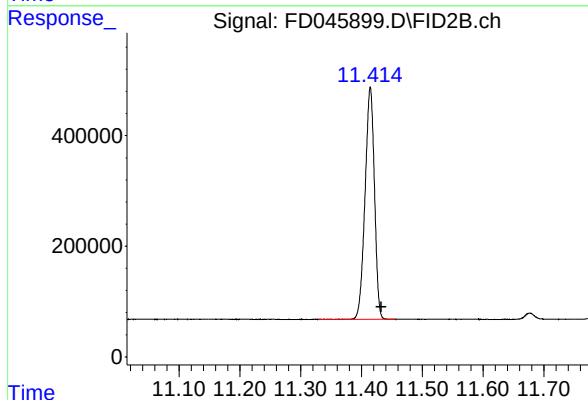
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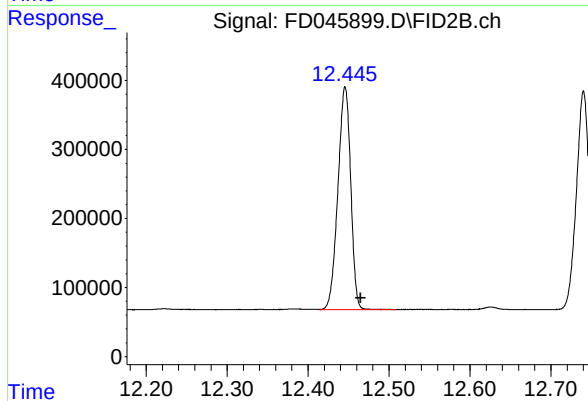
#10 Anthracene (C19.43)

R.T.: 10.717 min  
Delta R.T.: -0.019 min  
Response: 3290029  
Conc: 19.31 ug/ml



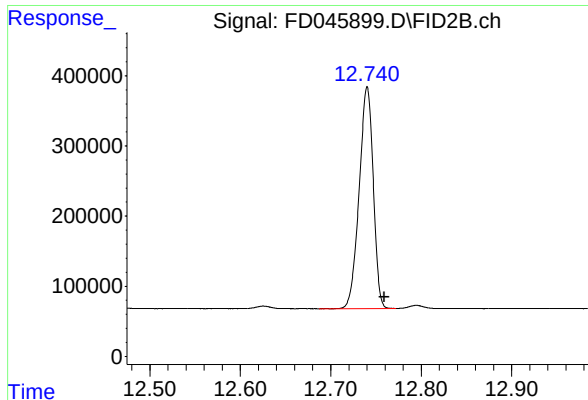
#11 ortho-Terphenyl (SURR)

R.T.: 11.415 min  
Delta R.T.: -0.018 min  
Response: 4507362  
Conc: 20.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.446 min  
Delta R.T.: -0.019 min  
Response: 3544851  
Conc: 19.19 ug/ml



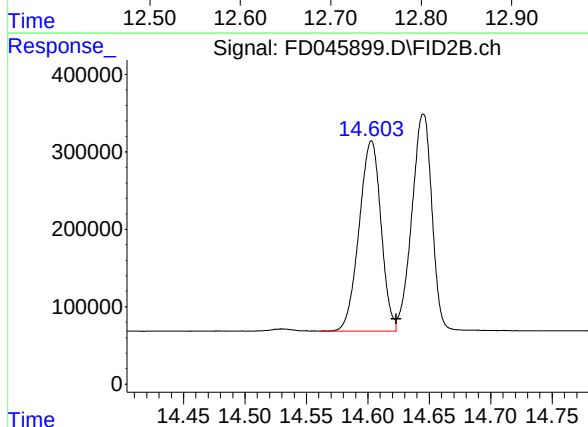
#13 Pyrene (C20.8)

R.T.: 12.740 min  
Delta R.T.: -0.019 min  
Response: 3427022  
Conc: 19.19 ug/ml

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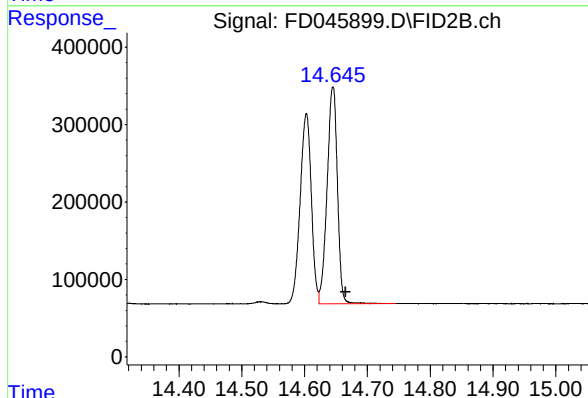
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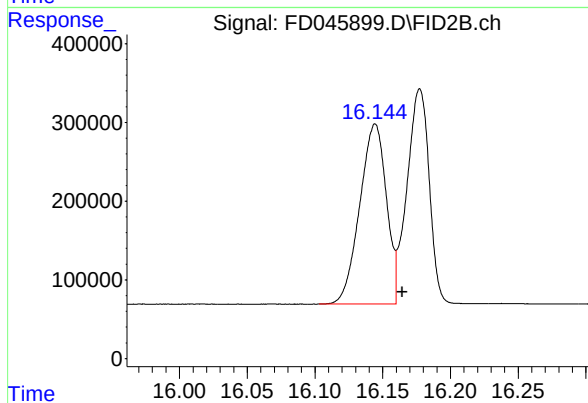
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.603 min  
Delta R.T.: -0.020 min  
Response: 3042676  
Conc: 19.43 ug/ml



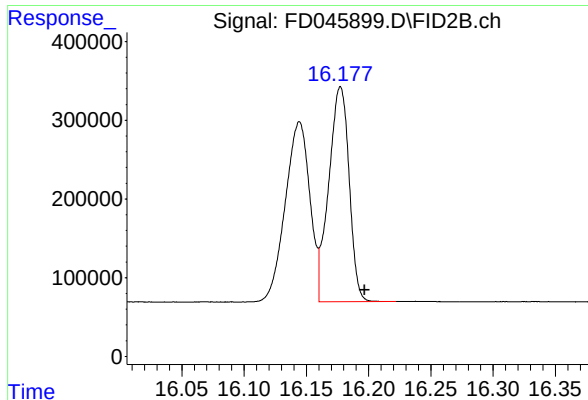
#15 Chrysene (C27.41)

R.T.: 14.645 min  
Delta R.T.: -0.021 min  
Response: 3205705  
Conc: 19.43 ug/ml



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

R.T.: 16.144 min  
Delta R.T.: -0.020 min  
Response: 3132612  
Conc: 20.70 ug/ml m



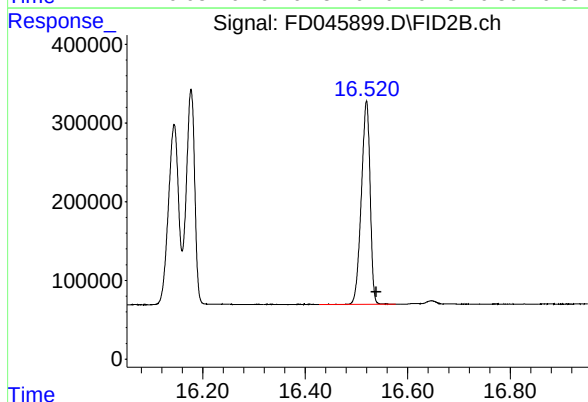
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.177 min  
Delta R.T.: -0.019 min  
Response: 3107625  
Conc: 20.07 ug/ml

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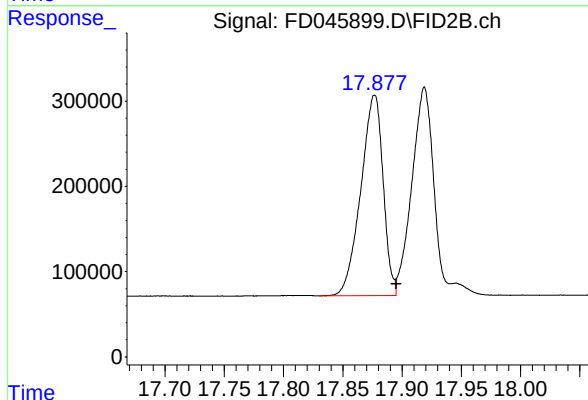
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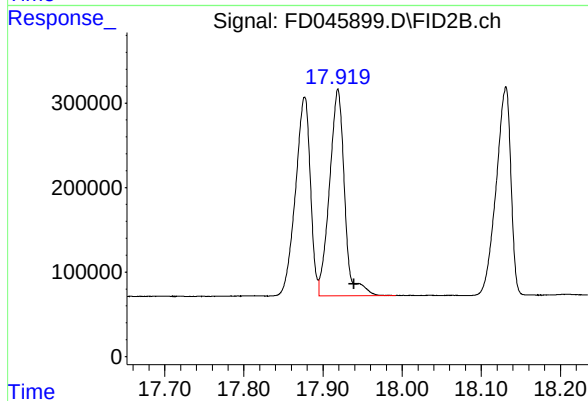
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.520 min  
Delta R.T.: -0.020 min  
Response: 3075069  
Conc: 21.03 ug/ml



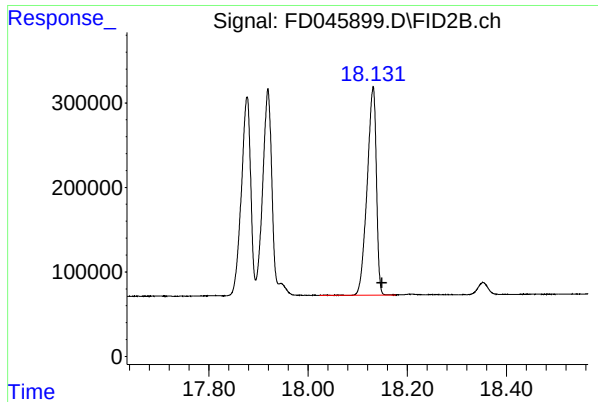
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.876 min  
Delta R.T.: -0.019 min  
Response: 3079490  
Conc: 21.03 ug/ml



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

R.T.: 17.919 min  
Delta R.T.: -0.020 min  
Response: 3240339  
Conc: 21.60 ug/ml



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

R.T.: 18.130 min  
Delta R.T.: -0.019 min  
Response: 3187391  
Conc: 21.60 ug/ml

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