

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD112724AR\  
 Data File : FD048832.D  
 Signal(s) : FID2B.ch  
 Acq On : 27 Nov 2024 14:14  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/02/2024  
 Supervised By :Ankita Jodhani 12/02/2024

Integration File: autoint1.e  
 Quant Time: Nov 28 02:45:06 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 111424.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 14 14:16:25 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...      | 7.362  | 3738753    | 21.236 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.47%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.213  | 2476601    | 21.504 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 43.01%        |
| 11) S ortho-Terphenyl (SURR)       | 11.248 | 4217243    | 21.926 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 43.85%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.186  | 4208498    | 22.331 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.703  | 4378842    | 22.390 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.750  | 4386967    | 22.956 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.015  | 4246212    | 21.896 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.310  | 4330850    | 22.516 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.088  | 4212228    | 21.956 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.475 | 4084375    | 22.282 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.551 | 3324203    | 17.751 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.279 | 4119144    | 22.494 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.572 | 3920246    | 21.684 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.441 | 3519461    | 21.395 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.483 | 3851253    | 22.005 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 15.989 | 3375031    | 21.481 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.020 | 3606585    | 22.100 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.365 | 3242503    | 21.748 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.730 | 2714706    | 21.976 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.768 | 3624462    | 23.113 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 17.980 | 3079277    | 21.581 ug/mlm |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM AROMATIC HC STD  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

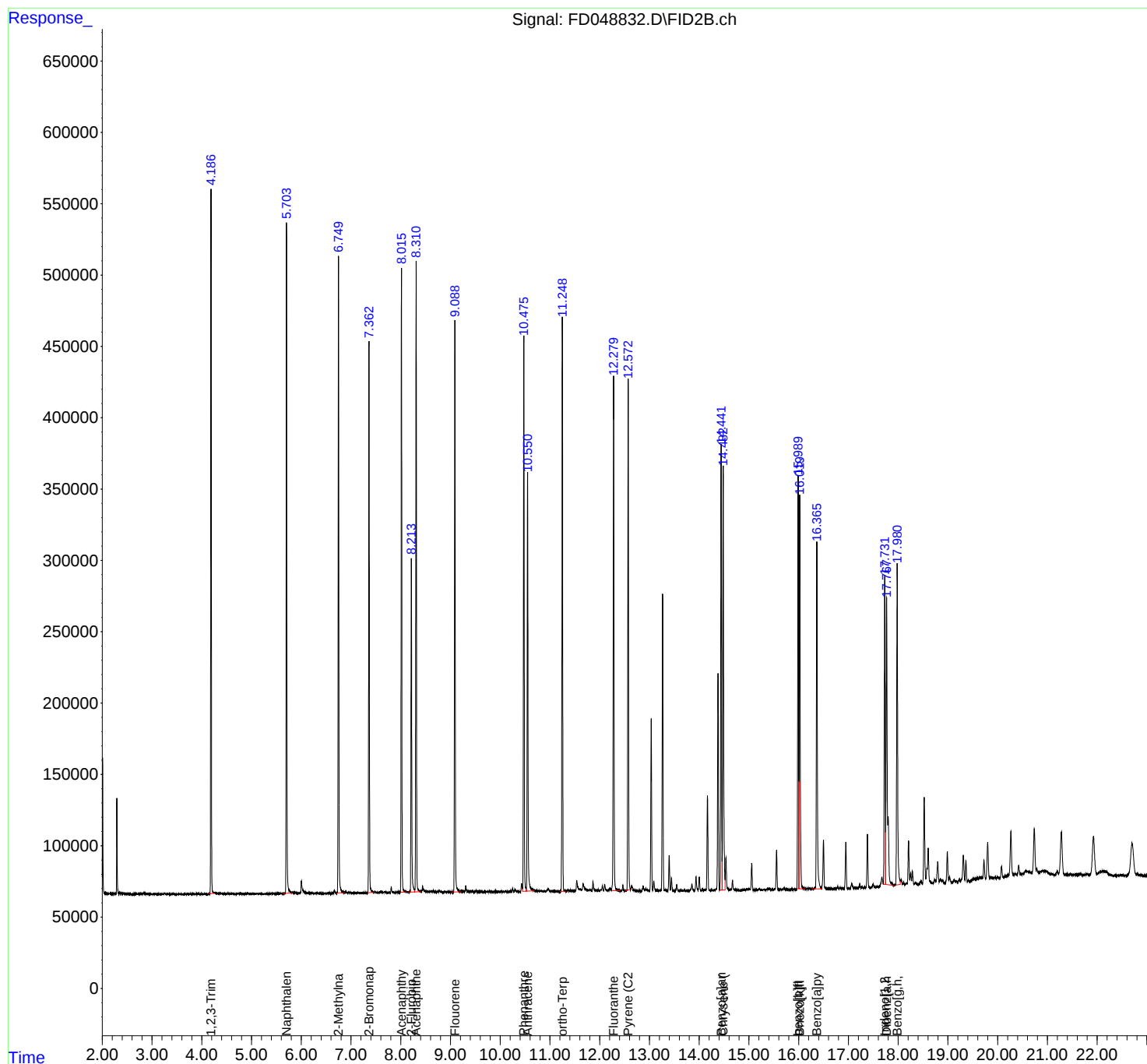
Instrument :  
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20 PPM AROMATIC HC STD

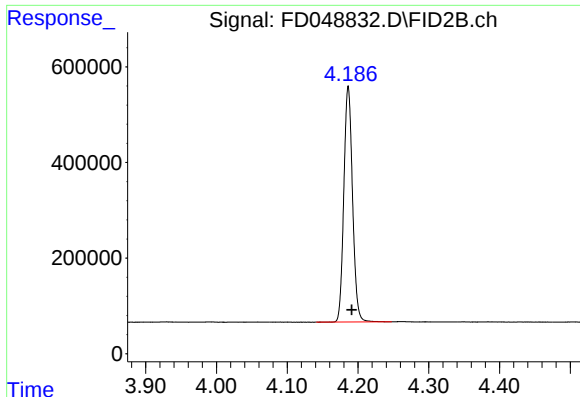
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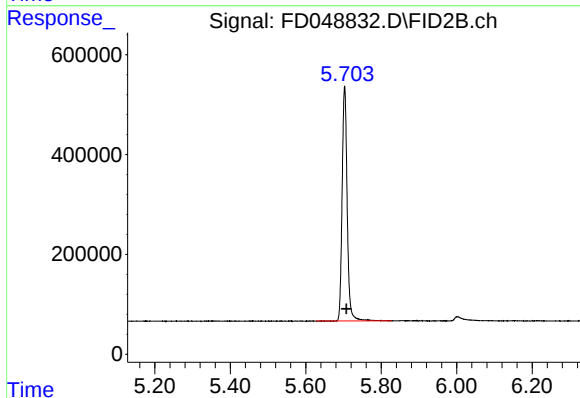
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.186 min  
Delta R.T.: -0.005 min  
Response: 4208498  
Conc: 22.33 ug/ml

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20 PPM AROMATIC HC STD

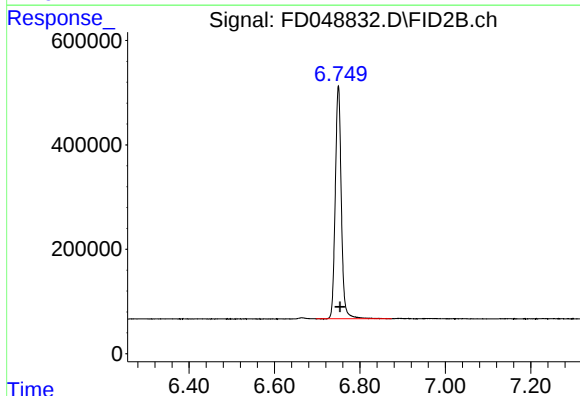
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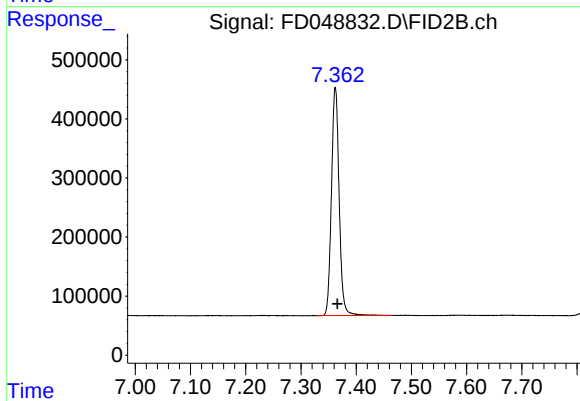
#2 Naphthalene (C11.7)

R.T.: 5.703 min  
Delta R.T.: -0.005 min  
Response: 4378842  
Conc: 22.39 ug/ml



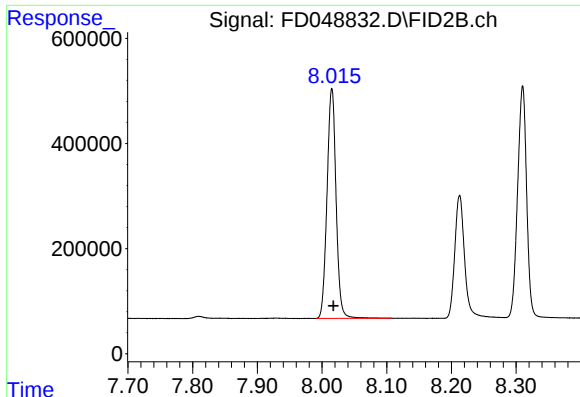
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.750 min  
Delta R.T.: -0.004 min  
Response: 4386967  
Conc: 22.96 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.362 min  
Delta R.T.: -0.004 min  
Response: 3738753  
Conc: 21.24 ug/ml



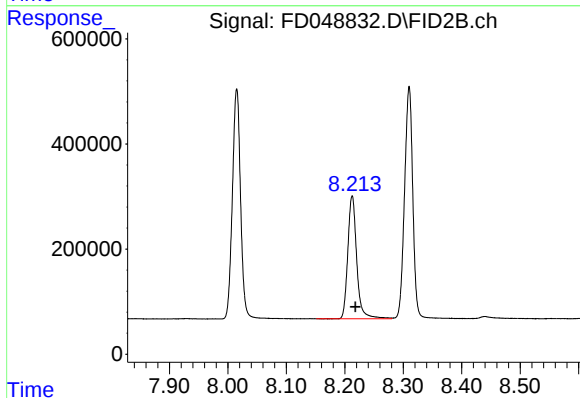
#5 Acenaphthylene (C15.06)

R.T.: 8.015 min  
Delta R.T.: -0.003 min  
Response: 4246212  
Conc: 21.90 ug/ml

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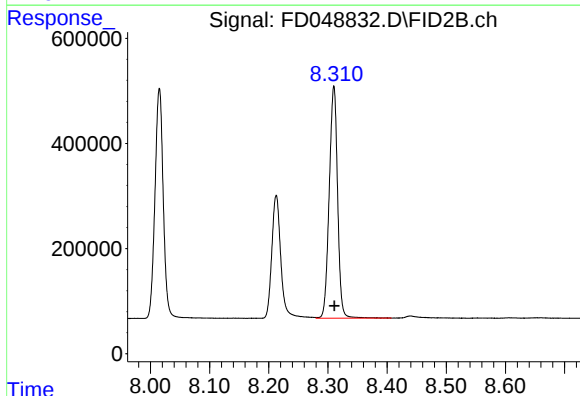
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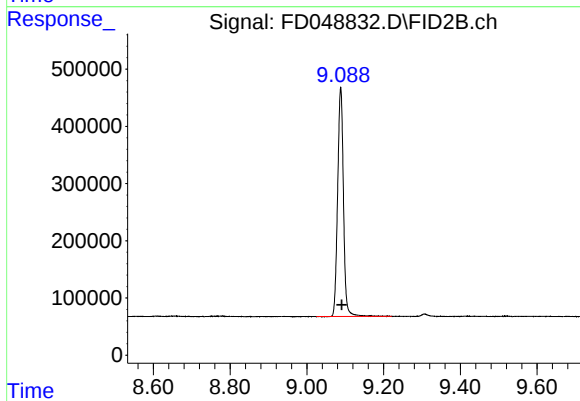
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.213 min  
Delta R.T.: -0.006 min  
Response: 2476601  
Conc: 21.50 ug/ml



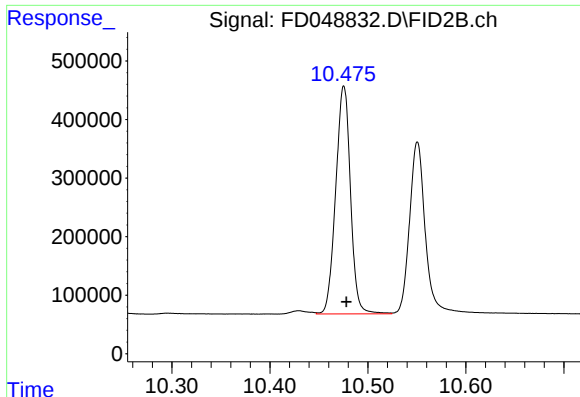
#7 Acenaphthene (C15.5)

R.T.: 8.310 min  
Delta R.T.: -0.001 min  
Response: 4330850  
Conc: 22.52 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.088 min  
Delta R.T.: -0.003 min  
Response: 4212228  
Conc: 21.96 ug/ml



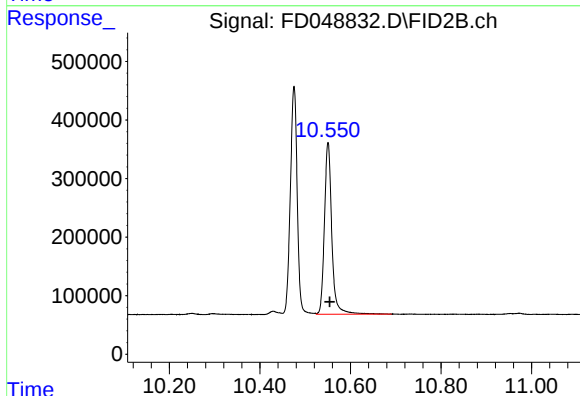
#9 Phenanthrene (C19.36)

R.T.: 10.475 min  
Delta R.T.: -0.003 min  
Response: 4084375  
Conc: 22.28 ug/ml

Instrument :  
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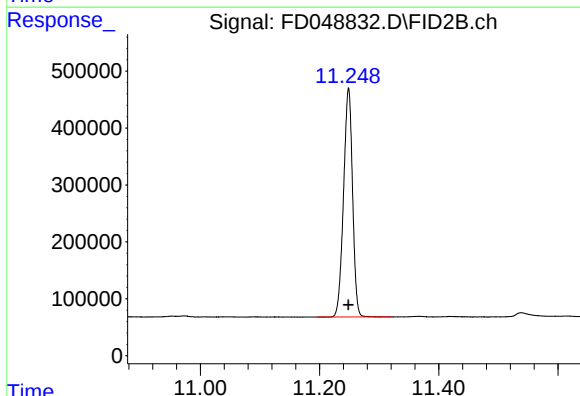
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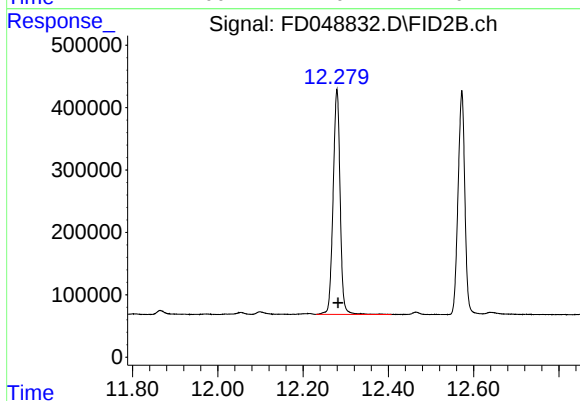
#10 Anthracene (C19.43)

R.T.: 10.551 min  
Delta R.T.: -0.004 min  
Response: 3324203  
Conc: 17.75 ug/ml



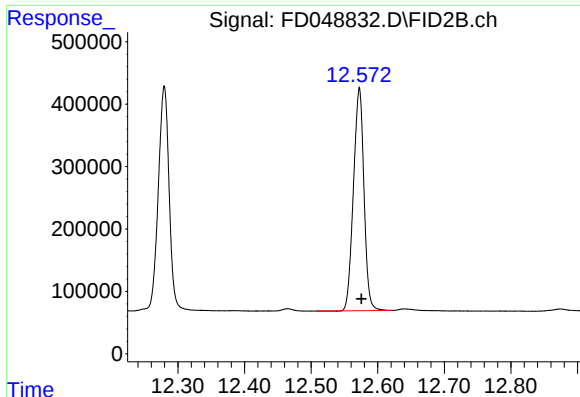
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min  
Delta R.T.: 0.000 min  
Response: 4217243  
Conc: 21.93 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.279 min  
Delta R.T.: -0.003 min  
Response: 4119144  
Conc: 22.49 ug/ml



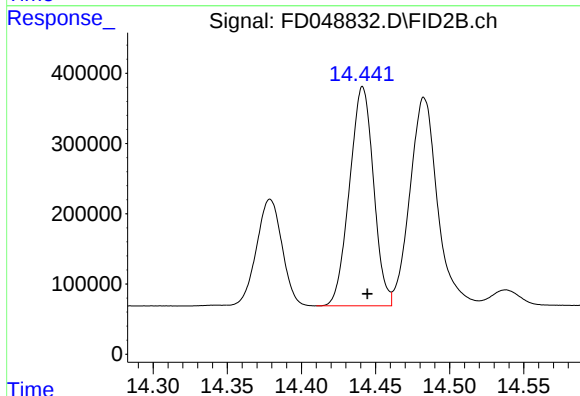
#13 Pyrene (C20.8)

R.T.: 12.572 min  
Delta R.T.: -0.003 min  
Response: 3920246  
Conc: 21.68 ug/ml

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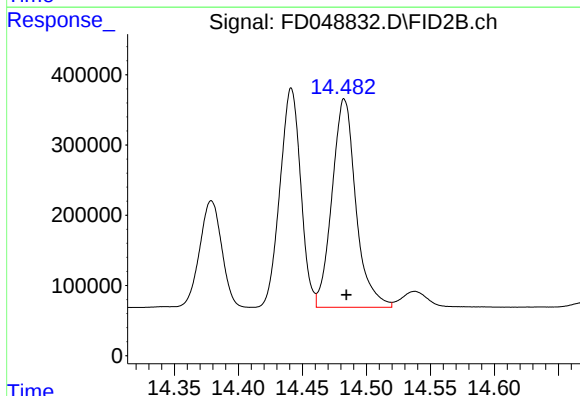
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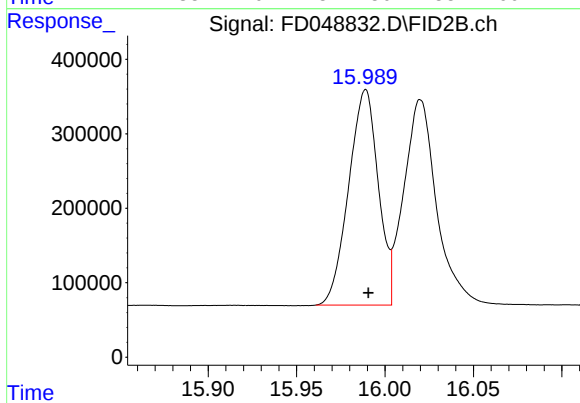
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min  
Delta R.T.: -0.003 min  
Response: 3519461  
Conc: 21.39 ug/ml



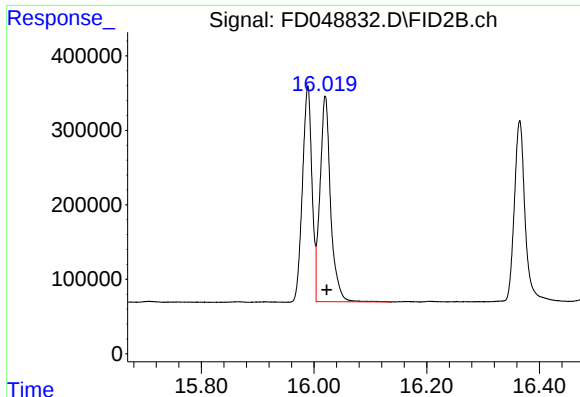
#15 Chrysene (C27.41)

R.T.: 14.483 min  
Delta R.T.: -0.002 min  
Response: 3851253  
Conc: 22.01 ug/ml



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

R.T.: 15.989 min  
Delta R.T.: -0.002 min  
Response: 3375031  
Conc: 21.48 ug/ml



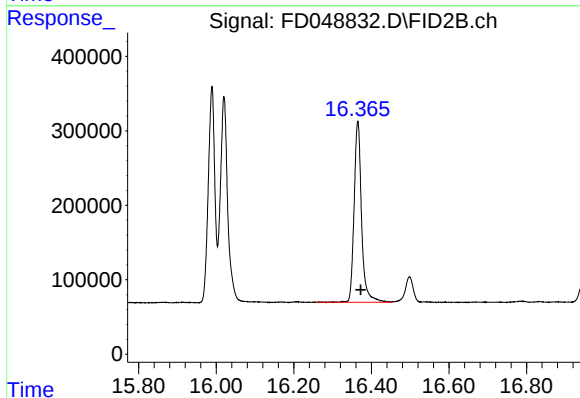
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.020 min  
Delta R.T.: -0.002 min  
Response: 3606585  
Conc: 22.10 ug/ml

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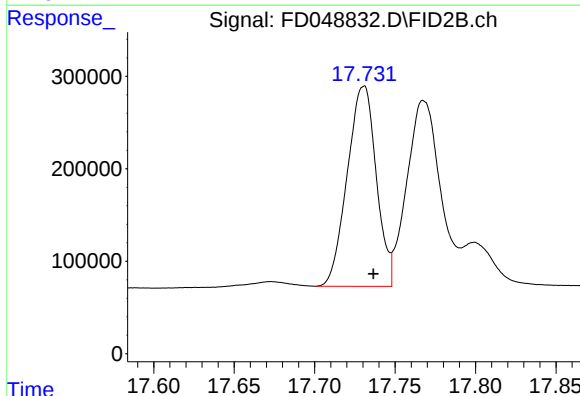
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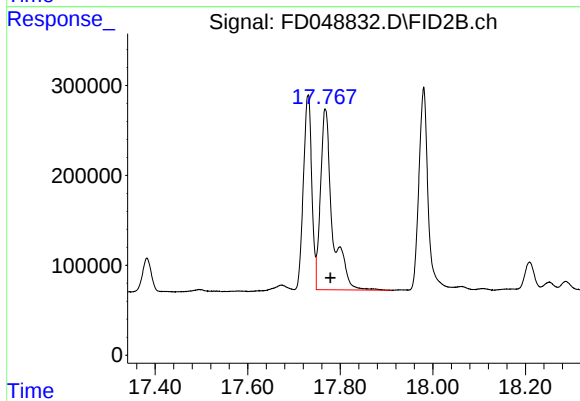
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.365 min  
Delta R.T.: -0.008 min  
Response: 3242503  
Conc: 21.75 ug/ml



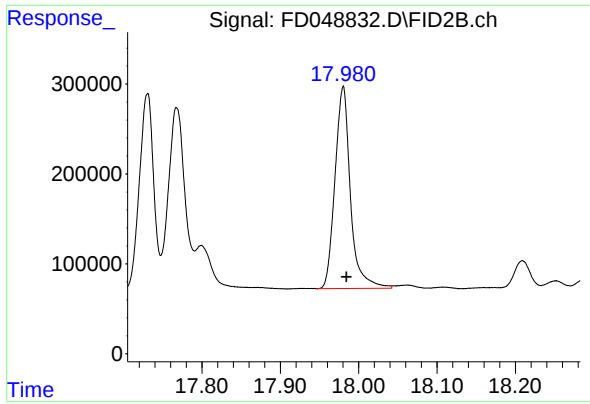
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min  
Delta R.T.: -0.006 min  
Response: 2714706  
Conc: 21.98 ug/ml



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

R.T.: 17.768 min  
Delta R.T.: -0.011 min  
Response: 3624462  
Conc: 23.11 ug/ml



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

R.T.: 17.980 min  
Delta R.T.: -0.004 min  
Response: 3079277  
Conc: 21.58 ug/ml

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