

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD101424AR\  
 Data File : FD048517.D  
 Signal(s) : FID2B.ch  
 Acq On : 15 Oct 2024 08:41  
 Operator : YP/AJ  
 Sample : PB164112BS  
 Misc :  
 ALS Vial : 82 Sample Multiplier: 1

**Instrument :**

FID\_D

**ClientSampleId :**

PB164112BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 16 01:37:00 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...      | 7.378  | 8719324    | 52.663 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 105.33%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.228  | 5672283    | 54.697 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 109.39%       |
| 11) S ortho-Terphenyl (SURR)       | 11.264 | 7794957    | 42.365 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 84.73%        |
|                                    |        |            |               |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.199  | 6171495    | 35.214 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.717  | 7145375    | 38.269 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.764  | 7071120    | 37.416 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.030  | 7447213    | 38.820 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.326  | 7771466    | 41.085 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.104  | 7764912    | 42.978 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.492 | 7677090    | 43.317 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.567 | 7790237    | 43.780 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.298 | 7729013    | 42.732 ug/mlm |
| 13) T Pyrene (C20.8)               | 12.590 | 8047345    | 44.940 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.460 | 7185402    | 44.961 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.504 | 7295718    | 39.113 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.008 | 7026896    | 42.193 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.043 | 7036029    | 41.450 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.384 | 6777724    | 41.468 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.752 | 7063609    | 53.699 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.790 | 6688471    | 39.971 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.004 | 6454861    | 39.741 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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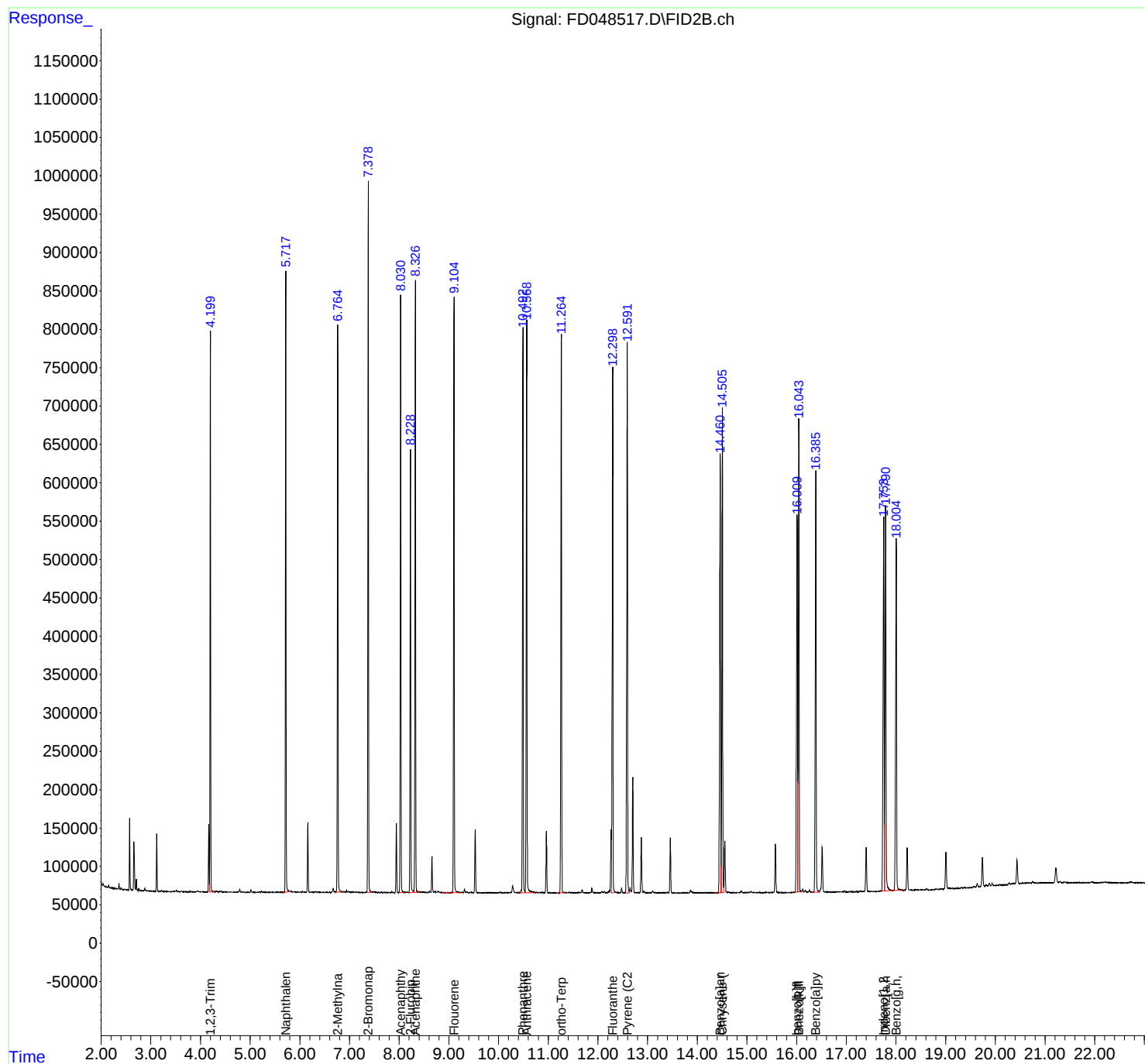
Response via : Initial Calibration

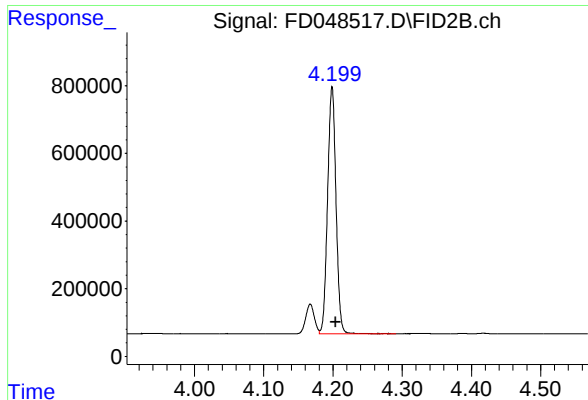
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





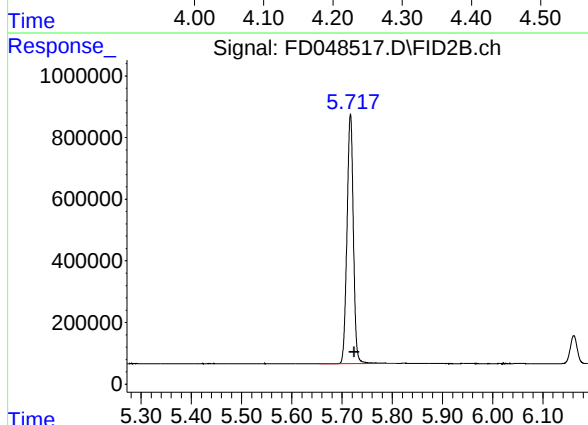
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.199 min  
Delta R.T.: -0.005 min  
Response: 6171495  
Conc: 35.21 ug/ml

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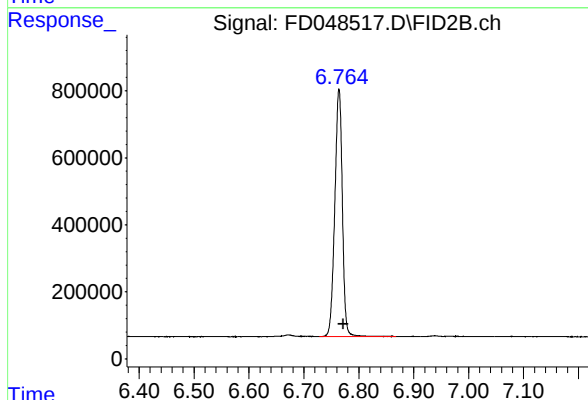
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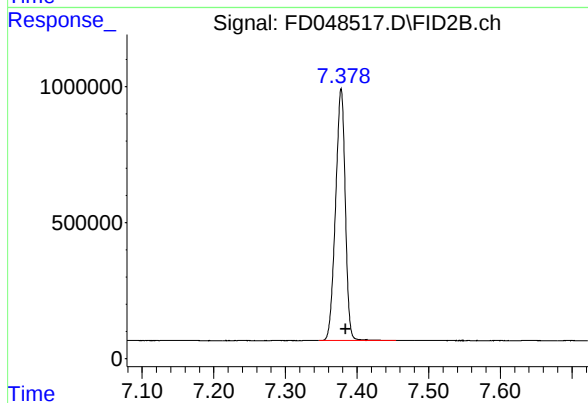
#2 Naphthalene (C11.7)

R.T.: 5.717 min  
Delta R.T.: -0.008 min  
Response: 7145375  
Conc: 38.27 ug/ml



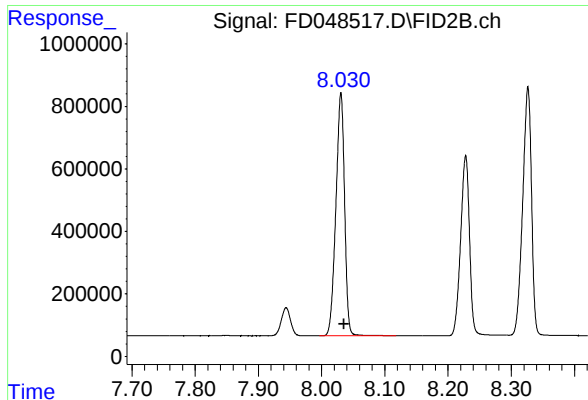
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.764 min  
Delta R.T.: -0.008 min  
Response: 7071120  
Conc: 37.42 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.378 min  
Delta R.T.: -0.007 min  
Response: 8719324  
Conc: 52.66 ug/ml



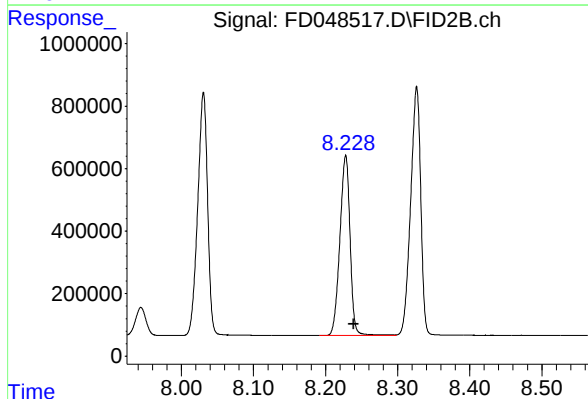
#5 Acenaphthylene (C15.06)

R.T.: 8.030 min  
Delta R.T.: -0.005 min  
Response: 7447213  
Conc: 38.82 ug/ml

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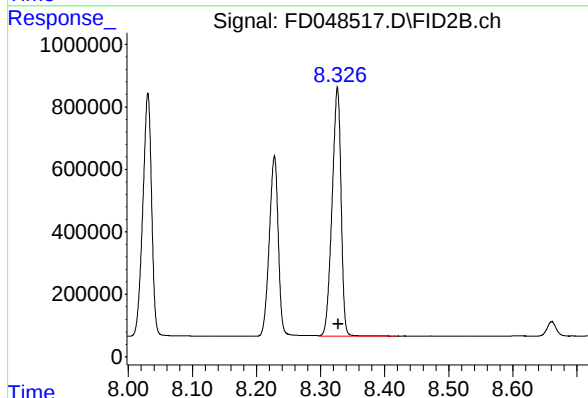
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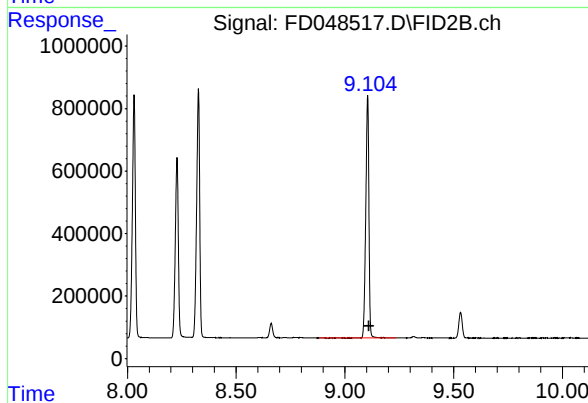
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.228 min  
Delta R.T.: -0.011 min  
Response: 5672283  
Conc: 54.70 ug/ml



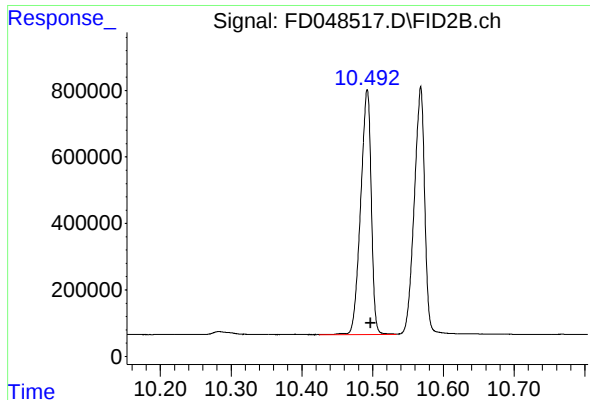
#7 Acenaphthene (C15.5)

R.T.: 8.326 min  
Delta R.T.: -0.001 min  
Response: 7771466  
Conc: 41.09 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.104 min  
Delta R.T.: -0.007 min  
Response: 7764912  
Conc: 42.98 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.492 min  
Delta R.T.: -0.005 min  
Response: 7677090  
Conc: 43.32 ug/ml

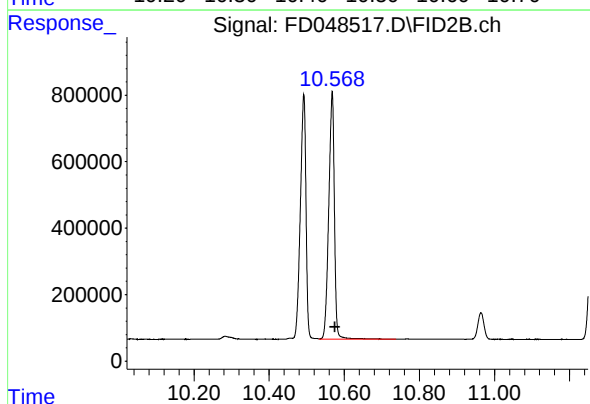
Instrument :

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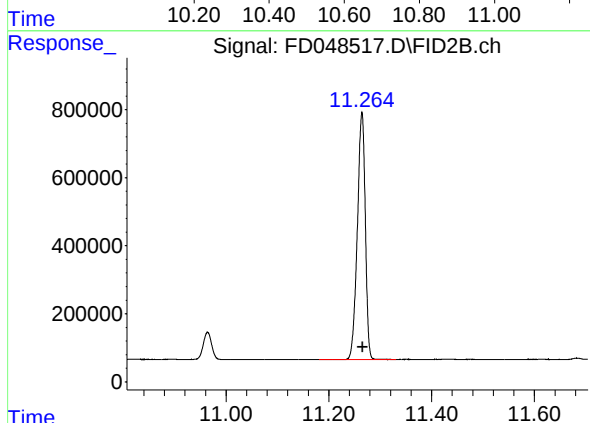
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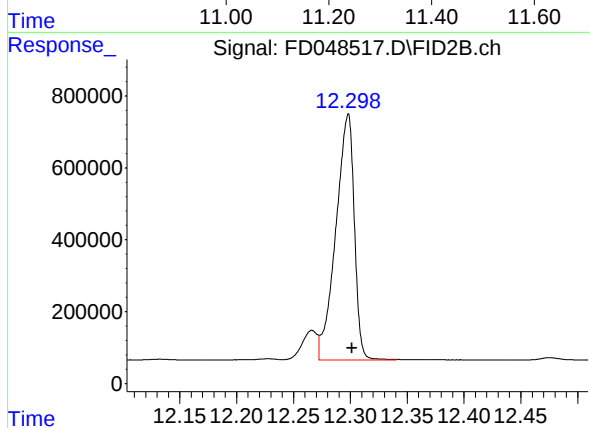
#10 Anthracene (C19.43)

R.T.: 10.567 min  
Delta R.T.: -0.008 min  
Response: 7790237  
Conc: 43.78 ug/ml



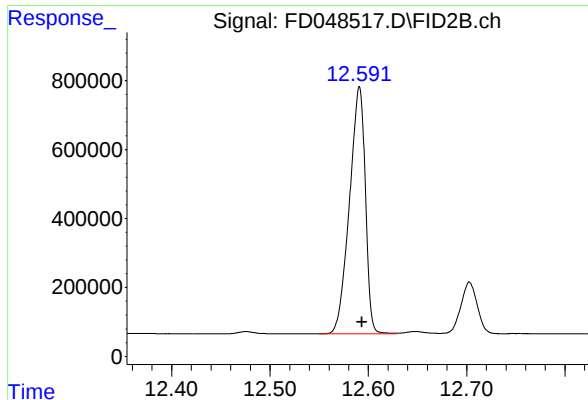
#11 ortho-Terphenyl (SURR)

R.T.: 11.264 min  
Delta R.T.: -0.001 min  
Response: 7794957  
Conc: 42.36 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.298 min  
Delta R.T.: -0.003 min  
Response: 7729013  
Conc: 42.73 ug/ml m



#13 Pyrene (C20.8)

R.T.: 12.590 min  
Delta R.T.: -0.003 min  
Response: 8047345  
Conc: 44.94 ug/ml

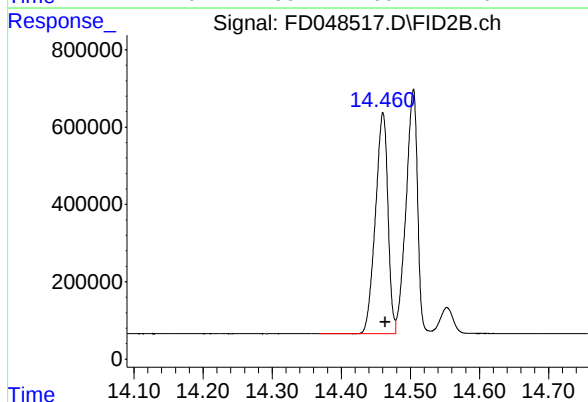
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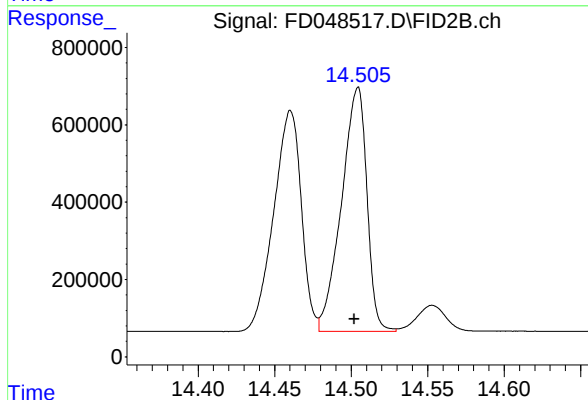
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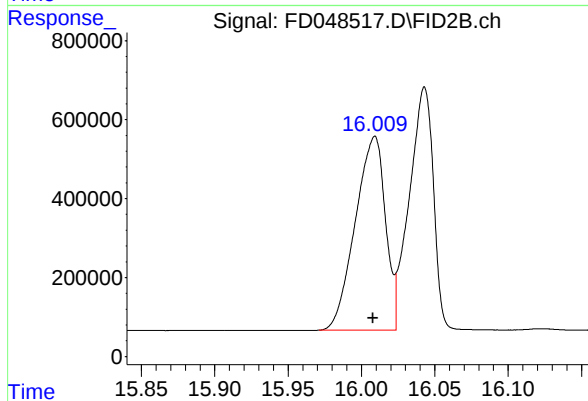
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.460 min  
Delta R.T.: -0.004 min  
Response: 7185402  
Conc: 44.96 ug/ml



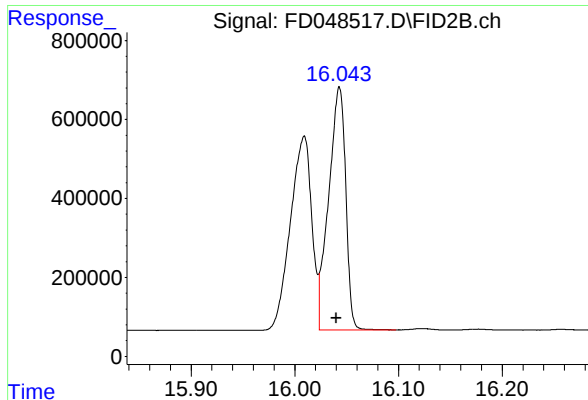
#15 Chrysene (C27.41)

R.T.: 14.504 min  
Delta R.T.: 0.002 min  
Response: 7295718  
Conc: 39.11 ug/ml



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

R.T.: 16.008 min  
Delta R.T.: 0.000 min  
Response: 7026896  
Conc: 42.19 ug/ml



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

R.T.: 16.043 min  
Delta R.T.: 0.002 min  
Response: 7036029  
Conc: 41.45 ug/ml

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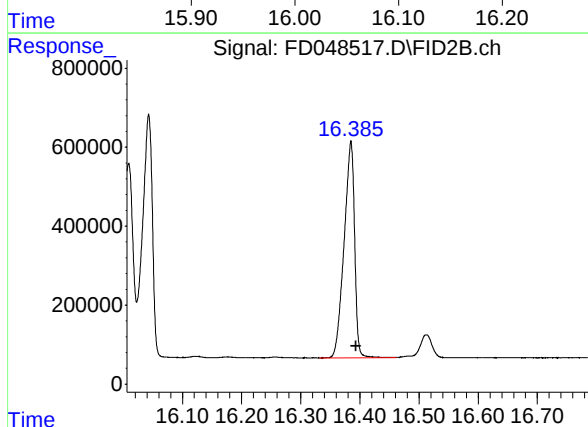
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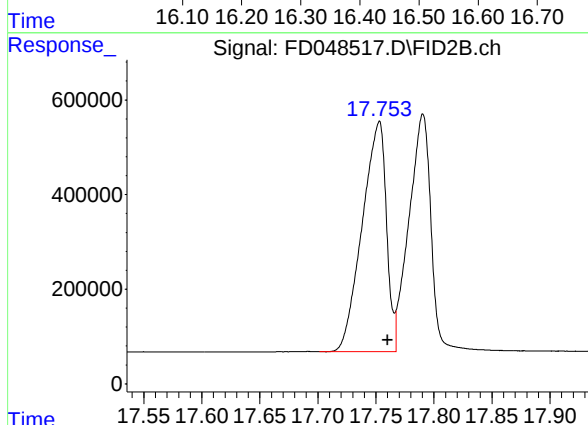
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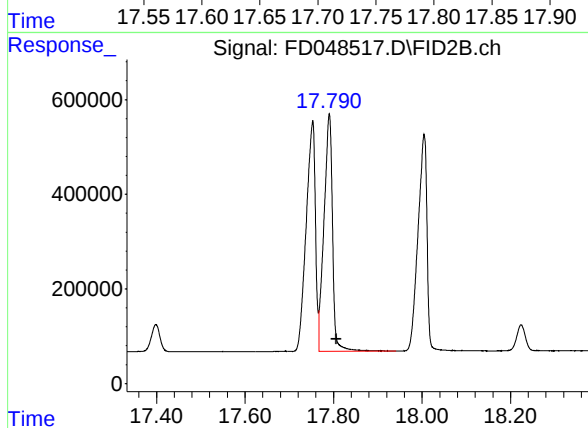
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.384 min  
Delta R.T.: -0.009 min  
Response: 6777724  
Conc: 41.47 ug/ml



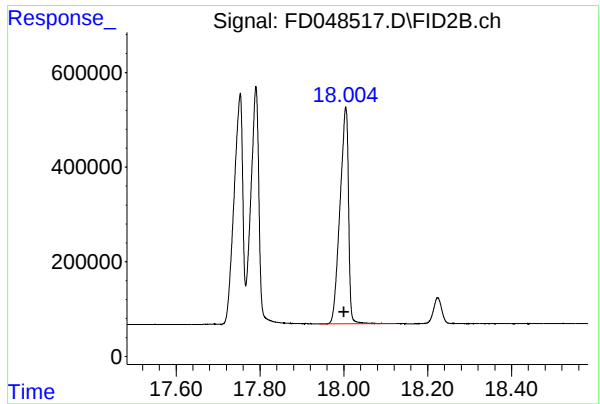
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.752 min  
Delta R.T.: -0.008 min  
Response: 7063609  
Conc: 53.70 ug/ml



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

R.T.: 17.790 min  
Delta R.T.: -0.016 min  
Response: 6688471  
Conc: 39.97 ug/ml



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

R.T.: 18.004 min  
Delta R.T.: 0.003 min  
Response: 6454861  
Conc: 39.74 ug/ml

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