

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD112923AR\  
 Data File : FD046977.D  
 Signal(s) : FID2B.ch  
 Acq On : 29 Nov 2023 17:21  
 Operator : YP/AJ  
 Sample : PB157457BS  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

**Instrument :**

FID\_D

**ClientSampleId :**

PB157457BS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 11/30/2023

Supervised By :Ankita Jodhani 11/30/2023

Integration File: autoint1.e

Quant Time: Nov 29 23:48:25 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 112423.M

Quant Title : GC Extractables

QLast Update : Fri Nov 24 13:30:33 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...      | 7.476  | 7133130    | 41.231 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 82.46%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.329  | 4271874    | 39.285 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 78.57%        |
| 11) S ortho-Terphenyl (SURR)       | 11.368 | 7479422    | 37.586 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 75.17%        |
|                                    |        |            |               |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.289  | 4809976    | 25.851 ug/mlm |
| 2) T Naphthalene (C11.7)           | 5.815  | 5786989    | 30.389 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.864  | 6078324    | 31.564 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.133  | 6693030    | 38.449 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.428  | 6680441    | 36.022 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.208  | 6899353    | 39.970 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.597 | 6951619    | 42.340 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.672 | 6701746    | 43.338 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.400 | 7010174    | 44.229 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.695 | 7010345    | 45.819 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.558 | 5928105    | 45.720 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.601 | 6029031    | 42.063 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.101 | 5967662    | 44.678 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.135 | 5754807    | 42.122 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.476 | 5494592    | 41.940 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.835 | 5297136    | 44.394 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.873 | 4822290    | 37.112 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.087 | 5306145    | 40.554 ug/ml  |
| -----                              |        |            |               |

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

(m)=manual int.

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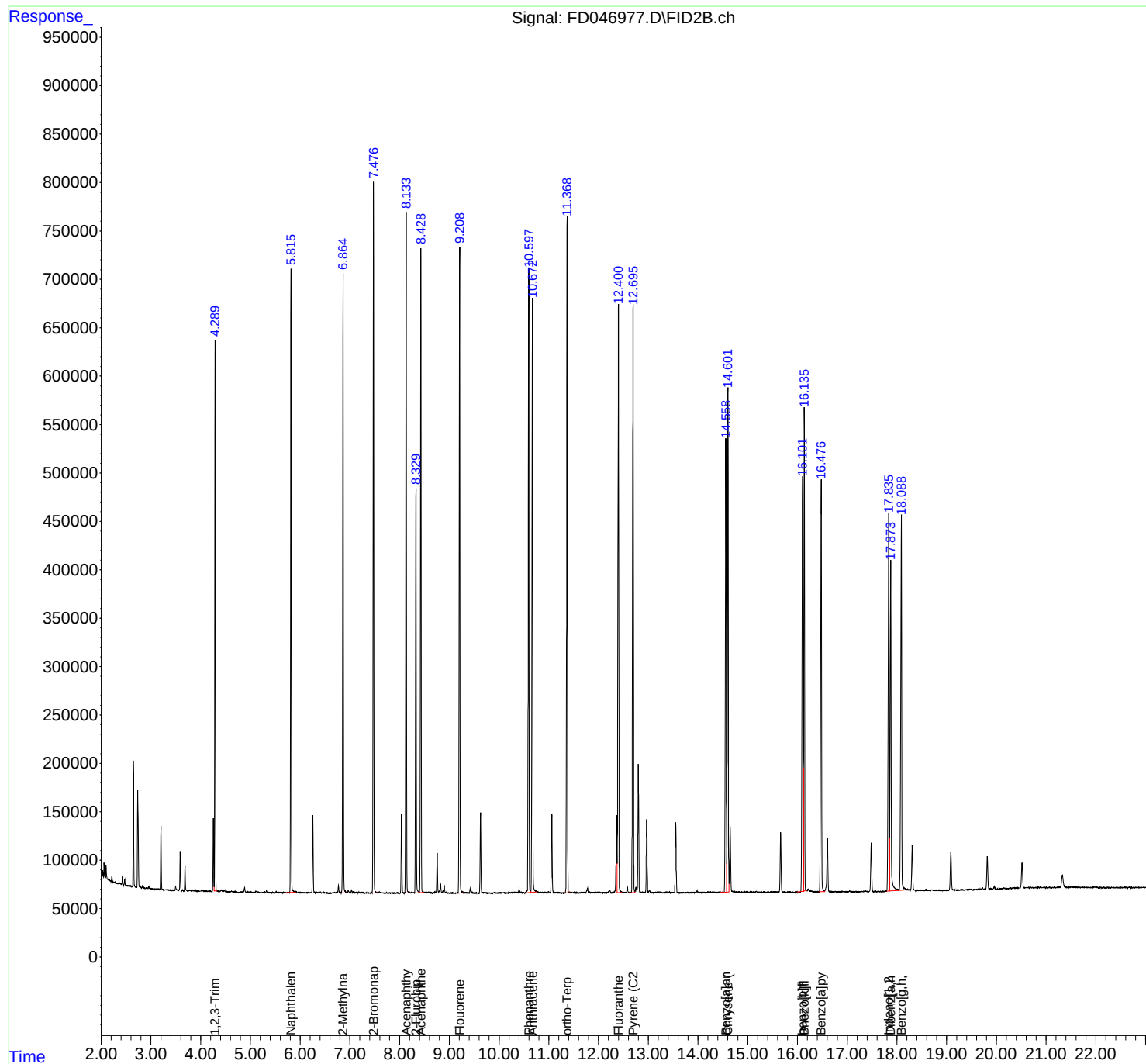
Response via : Initial Calibration

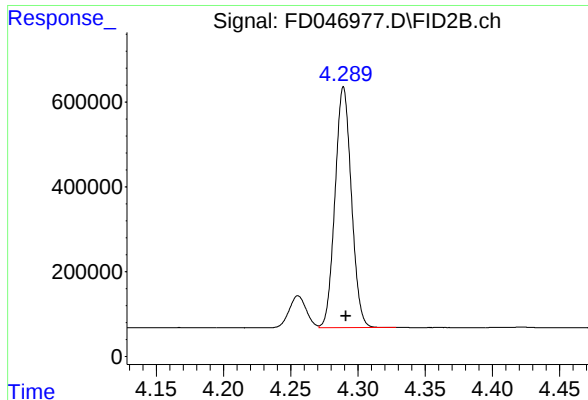
Integrator: ChemStation

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.: 4.289 min  
Delta R.T.: -0.002 min  
Response: 4809976  
Conc: 25.85 ug/ml

Instrument :

FID\_D

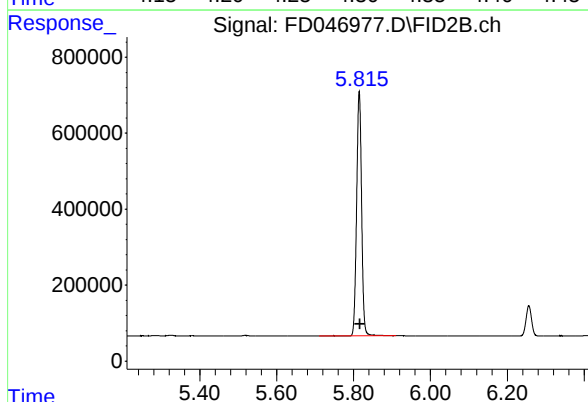
ClientSampleId :

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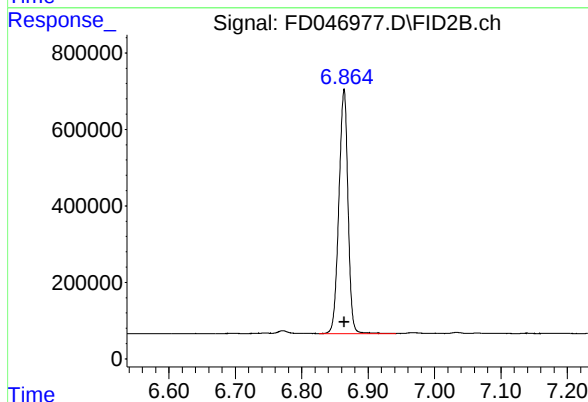
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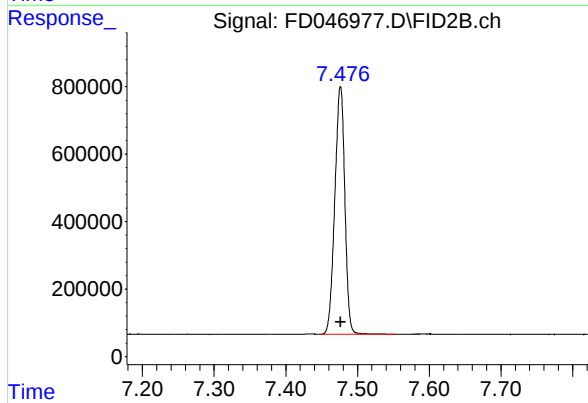
#2 Naphthalene (C11.7)

R.T.: 5.815 min  
Delta R.T.: -0.002 min  
Response: 5786989  
Conc: 30.39 ug/ml



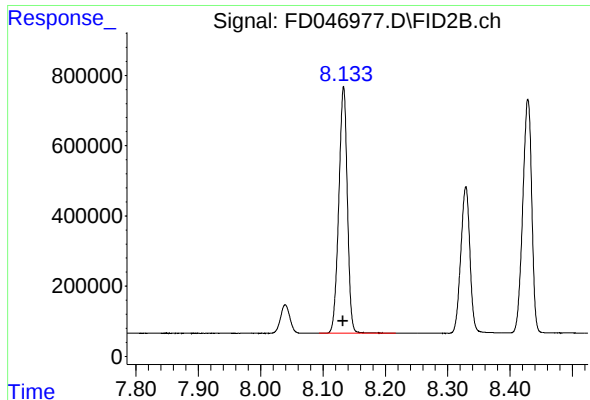
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.864 min  
Delta R.T.: 0.000 min  
Response: 6078324  
Conc: 31.56 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.476 min  
Delta R.T.: 0.000 min  
Response: 7133130  
Conc: 41.23 ug/ml



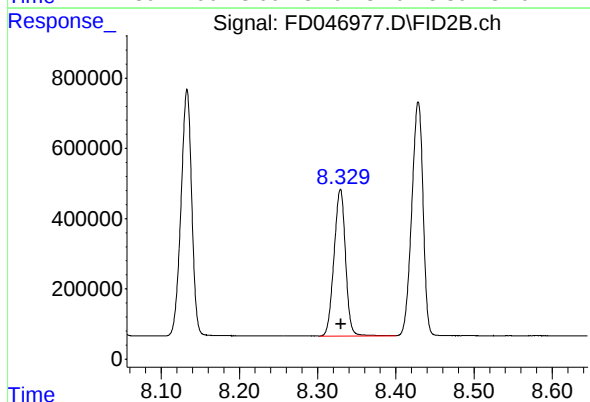
#5 Acenaphthylene (C15.06)

R.T.: 8.133 min  
Delta R.T.: 0.000 min  
Response: 6693030  
Conc: 38.45 ug/ml

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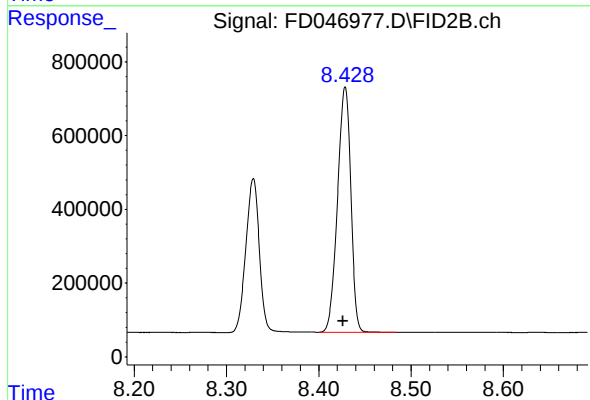
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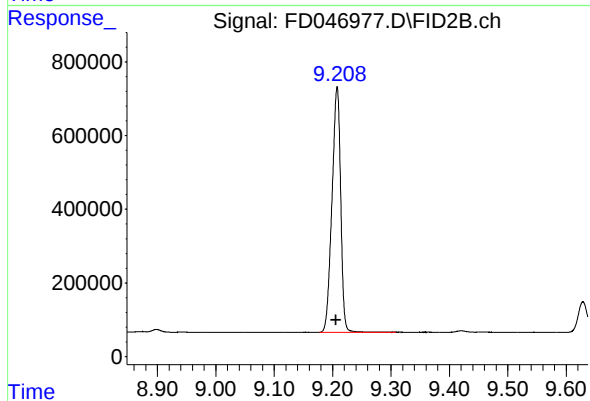
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.329 min  
Delta R.T.: 0.000 min  
Response: 4271874  
Conc: 39.28 ug/ml



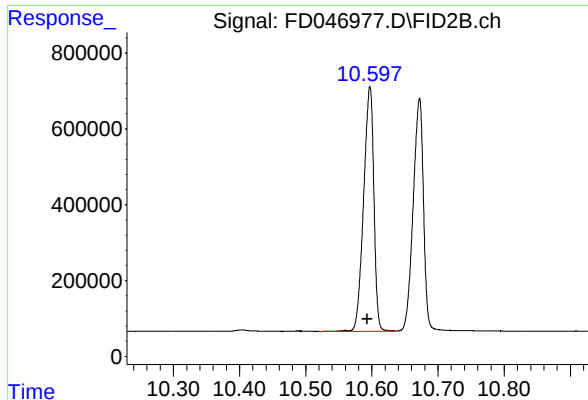
#7 Acenaphthene (C15.5)

R.T.: 8.428 min  
Delta R.T.: 0.002 min  
Response: 6680441  
Conc: 36.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.208 min  
Delta R.T.: 0.002 min  
Response: 6899353  
Conc: 39.97 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.597 min  
Delta R.T.: 0.003 min  
Response: 6951619  
Conc: 42.34 ug/ml

Instrument :

FID\_D

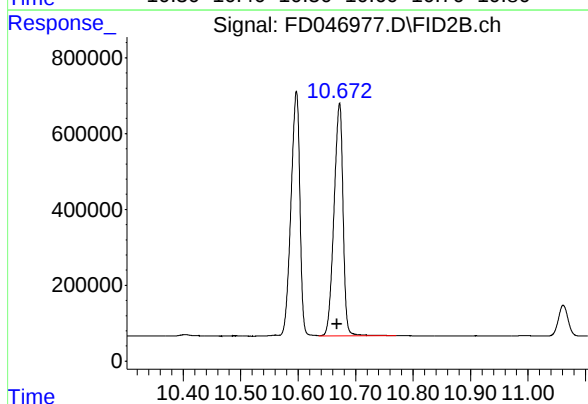
ClientSampleId :

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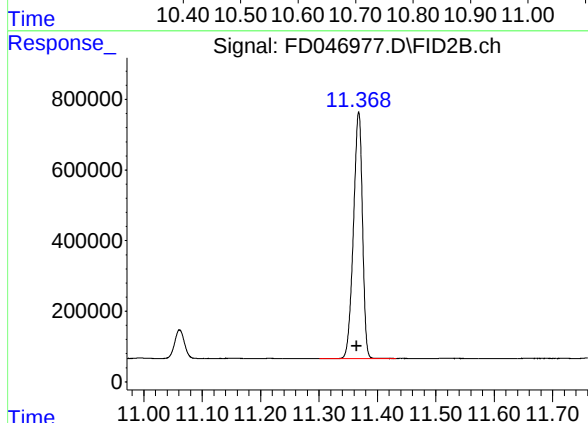
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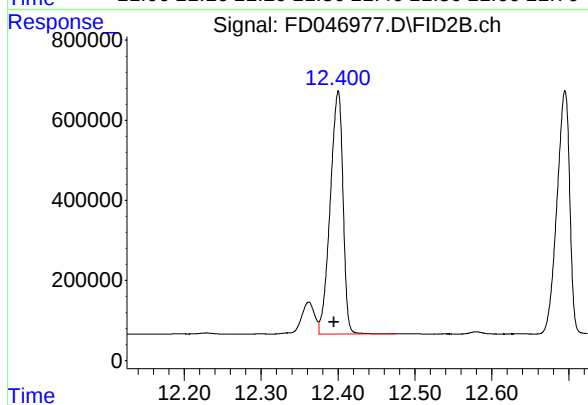
#10 Anthracene (C19.43)

R.T.: 10.672 min  
Delta R.T.: 0.004 min  
Response: 6701746  
Conc: 43.34 ug/ml



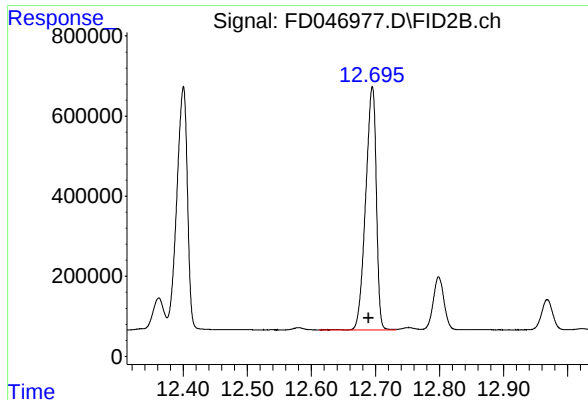
#11 ortho-Terphenyl (SURR)

R.T.: 11.368 min  
Delta R.T.: 0.004 min  
Response: 7479422  
Conc: 37.59 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.400 min  
Delta R.T.: 0.005 min  
Response: 7010174  
Conc: 44.23 ug/ml



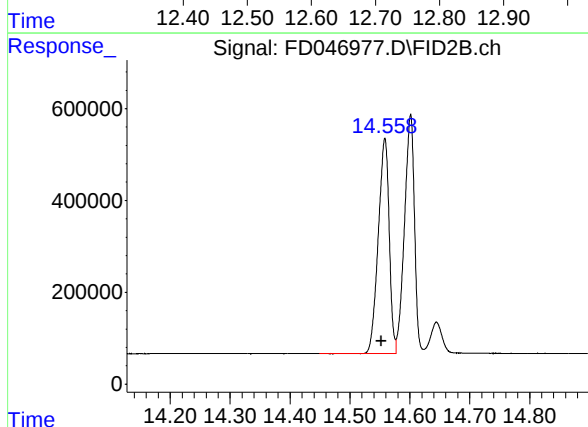
# #13 Pyrene (C20.8)

R.T.: 12.695 min  
Delta R.T.: 0.005 min  
Response: 7010345  
Conc: 45.82 ug/ml

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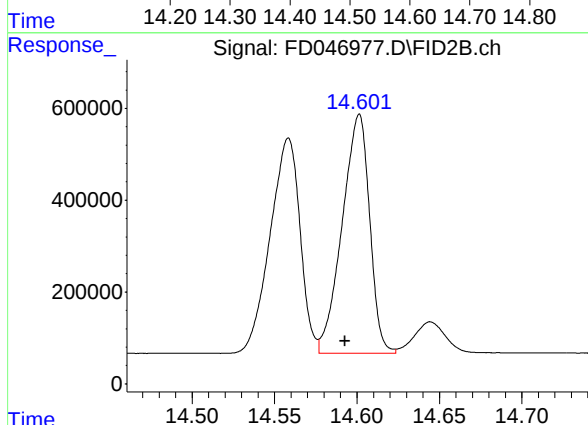
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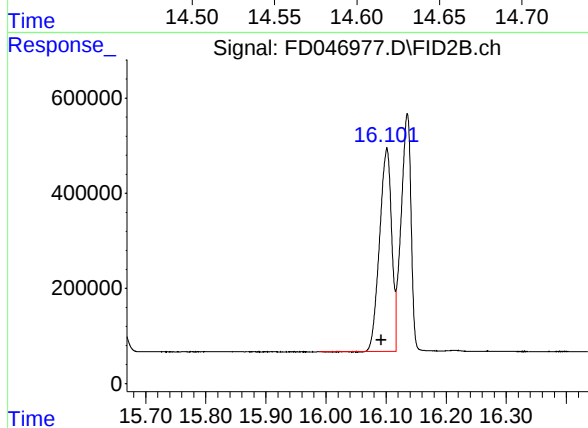
# #14 Benzo[a]anthracene (C26.37)

R.T.: 14.558 min  
Delta R.T.: 0.005 min  
Response: 5928105  
Conc: 45.72 ug/ml



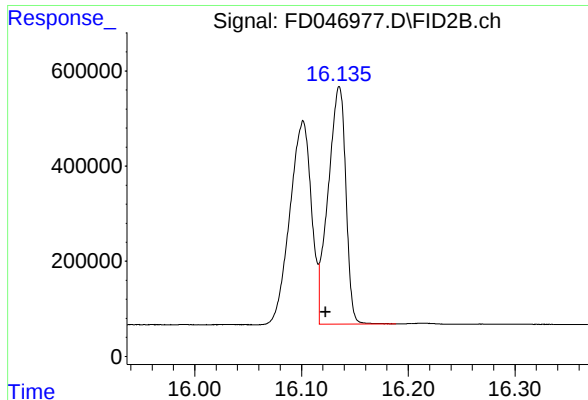
# #15 Chrysene (C27.41)

R.T.: 14.601 min  
Delta R.T.: 0.008 min  
Response: 6029031  
Conc: 42.06 ug/ml



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

R.T.: 16.101 min  
Delta R.T.: 0.009 min  
Response: 5967662  
Conc: 44.68 ug/ml



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

R.T.: 16.135 min  
Delta R.T.: 0.012 min  
Response: 5754807  
Conc: 42.12 ug/ml

Instrument :

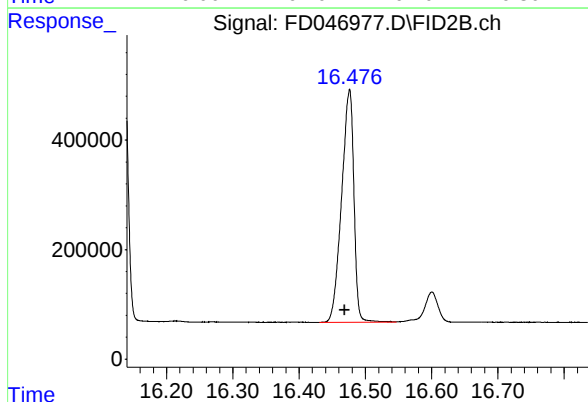
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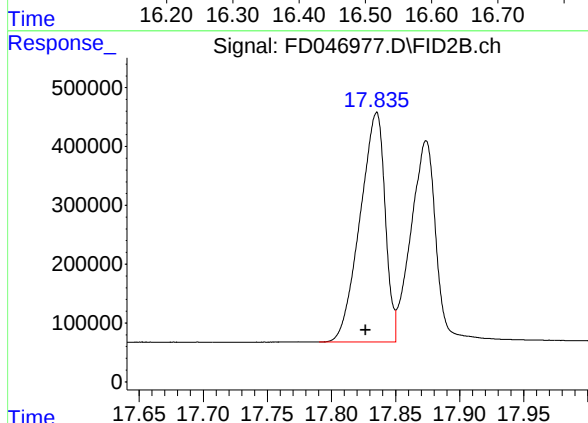
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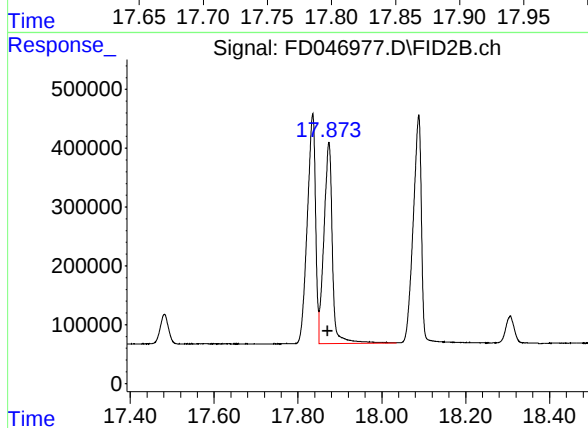
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.476 min  
Delta R.T.: 0.007 min  
Response: 5494592  
Conc: 41.94 ug/ml



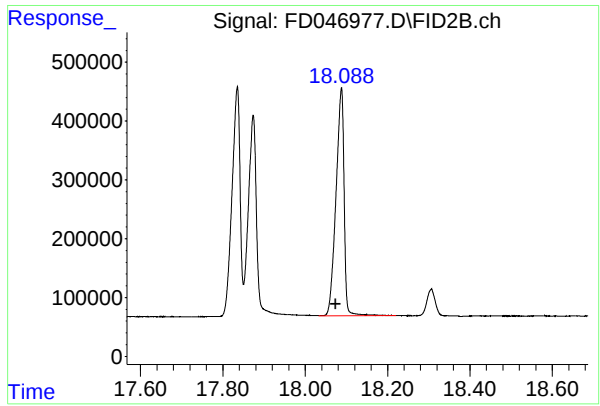
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.835 min  
Delta R.T.: 0.008 min  
Response: 5297136  
Conc: 44.39 ug/ml



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

R.T.: 17.873 min  
Delta R.T.: 0.002 min  
Response: 4822290  
Conc: 37.11 ug/ml



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

R.T.: 18.087 min  
Delta R.T.: 0.013 min  
Response: 5306145  
Conc: 40.55 ug/ml

Instrument :

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