

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD080724AR\  
 Data File : FD048166.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Aug 2024 19:34  
 Operator : YP/AJ  
 Sample : P3464-01MS  
 Misc :  
 ALS Vial : 67 Sample Multiplier: 1

**Instrument :**

FID\_D

**ClientSampleId :**

TOPSOILMS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :Ankita Jodhani 08/08/2024

Integration File: autoint1.e

Quant Time: Aug 08 03:21:13 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 071524.M

Quant Title : GC Extractables

QLast Update : Mon Jul 15 13:13:15 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...      | 7.401  | 6787998    | 45.672 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 91.34%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.252  | 4170474    | 44.067 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 88.13%       |
| 11) S ortho-Terphenyl (SURR)       | 11.290 | 6177158    | 36.918 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 73.84%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.220  | 5144932    | 30.725 ug/ml |
| 2) T Naphthalene (C11.7)           | 5.740  | 6229731    | 36.049 ug/ml |
| 3) T 2-Methylnaphthalene (...)     | 6.788  | 6956869    | 40.104 ug/ml |
| 5) T Acenaphthylene (C15.06)       | 8.055  | 7506585    | 43.803 ug/ml |
| 7) T Acenaphthene (C15.5)          | 8.351  | 7540505    | 43.467 ug/ml |
| 8) T Fluorene (C16.55)             | 9.129  | 7657486    | 47.146 ug/ml |
| 9) T Phenanthrene (C19.36)         | 10.518 | 8294700    | 52.229 ug/ml |
| 10) T Anthracene (C19.43)          | 10.594 | 7638284    | 48.374 ug/ml |
| 12) T Fluoranthene (C21.85)        | 12.324 | 8637731    | 54.555 ug/ml |
| 13) T Pyrene (C20.8)               | 12.617 | 7886591    | 49.875 ug/ml |
| 14) T Benzo[a]anthracene (C...     | 14.486 | 7162279    | 52.460 ug/ml |
| 15) T Chrysene (C27.41)            | 14.530 | 7376220    | 45.757 ug/ml |
| 16) T benzo[b]fluoranthene ...     | 16.034 | 7114613    | 49.429 ug/ml |
| 17) T Bnezo[k]fluoranthene ...     | 16.068 | 6979243    | 46.729 ug/ml |
| 18) T Benzo[a]pyrene (C31.34)      | 16.410 | 6572488    | 46.404 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.776 | 7762183    | 68.822 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 17.814 | 6801341    | 46.798 ug/ml |
| 21) T Benzo[g,h,i]perylene ...     | 18.028 | 6225420    | 42.243 ug/ml |
| -----                              |        |            |              |

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

(m)=manual int.

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QLast Update : Mon Jul 15 13:13:15 2024

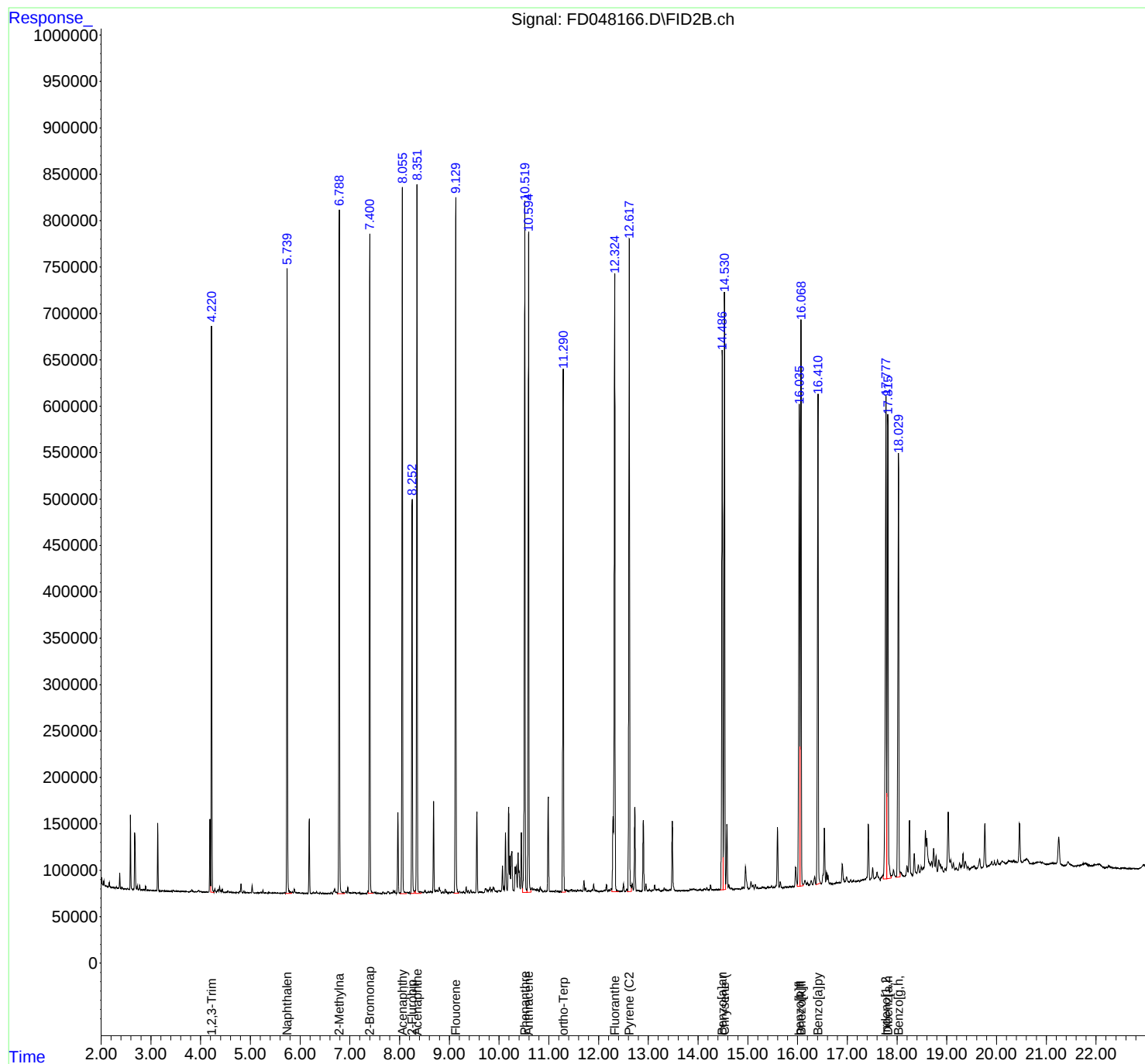
Response via : Initial Calibration

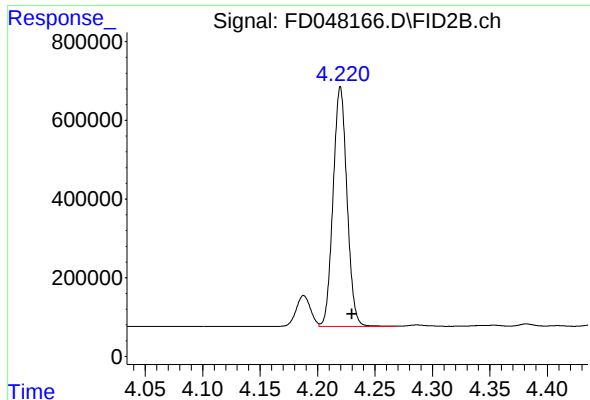
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





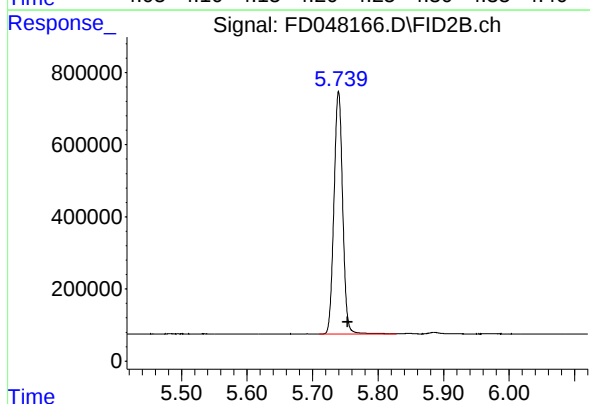
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.220 min  
Delta R.T.: -0.010 min  
Response: 5144932  
Conc: 30.72 ug/ml

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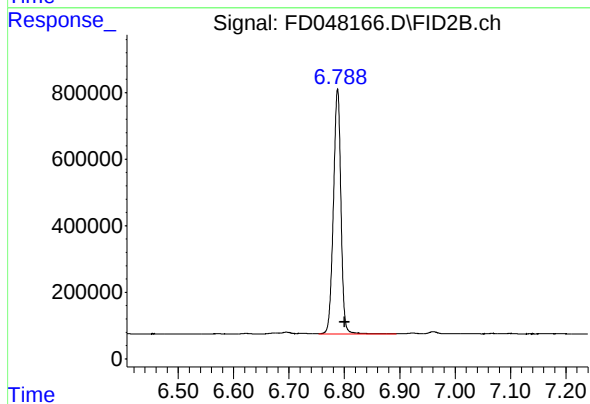
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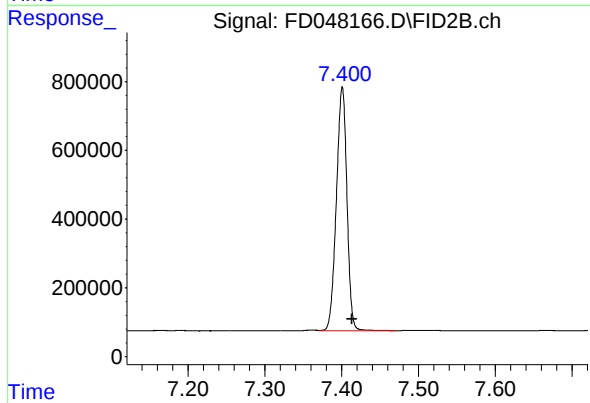
#2 Naphthalene (C11.7)

R.T.: 5.740 min  
Delta R.T.: -0.014 min  
Response: 6229731  
Conc: 36.05 ug/ml



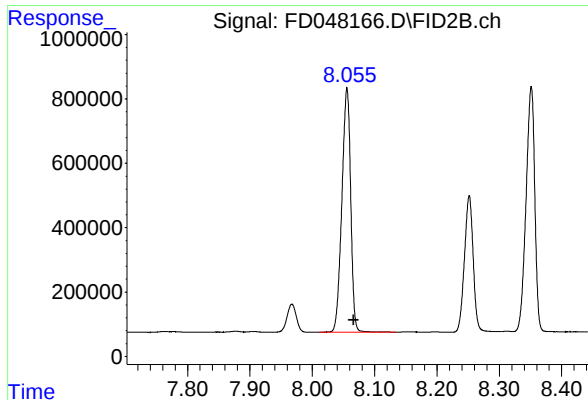
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.788 min  
Delta R.T.: -0.013 min  
Response: 6956869  
Conc: 40.10 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.401 min  
Delta R.T.: -0.013 min  
Response: 6787998  
Conc: 45.67 ug/ml



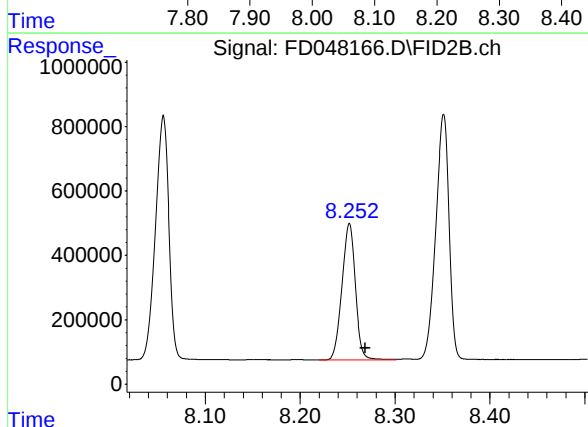
#5 Acenaphthylene (C15.06)

R.T.: 8.055 min  
Delta R.T.: -0.011 min  
Response: 7506585  
Conc: 43.80 ug/ml

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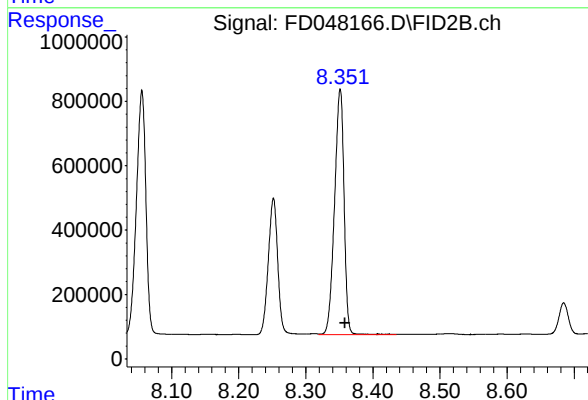
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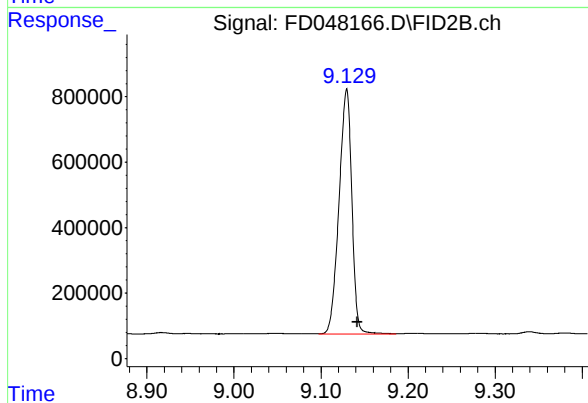
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.252 min  
Delta R.T.: -0.017 min  
Response: 4170474  
Conc: 44.07 ug/ml



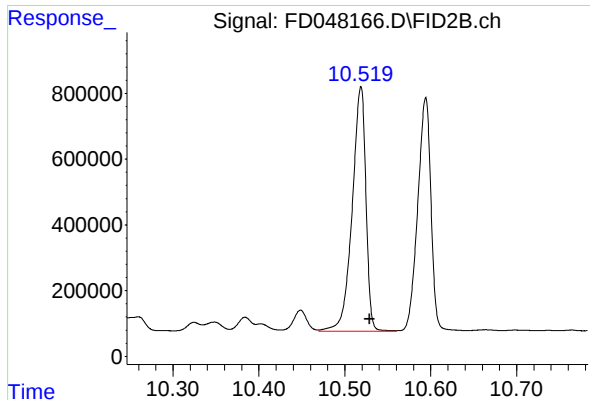
#7 Acenaphthene (C15.5)

R.T.: 8.351 min  
Delta R.T.: -0.008 min  
Response: 7540505  
Conc: 43.47 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.129 min  
Delta R.T.: -0.013 min  
Response: 7657486  
Conc: 47.15 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.518 min  
Delta R.T.: -0.011 min  
Response: 8294700  
Conc: 52.23 ug/ml

Instrument :

FID\_D

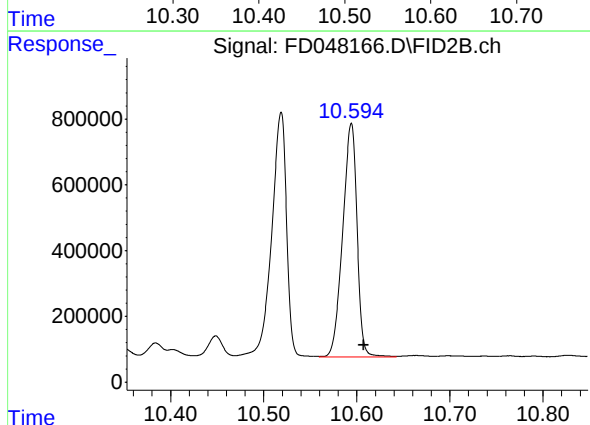
ClientSampleId :

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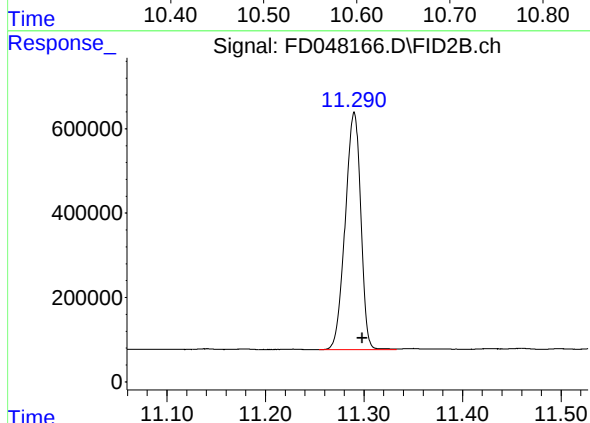
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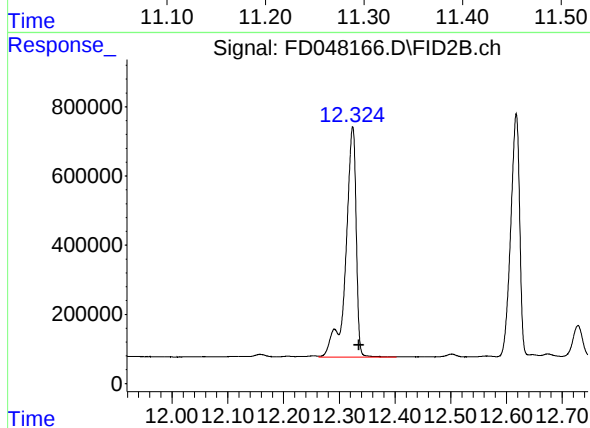
#10 Anthracene (C19.43)

R.T.: 10.594 min  
Delta R.T.: -0.014 min  
Response: 7638284  
Conc: 48.37 ug/ml



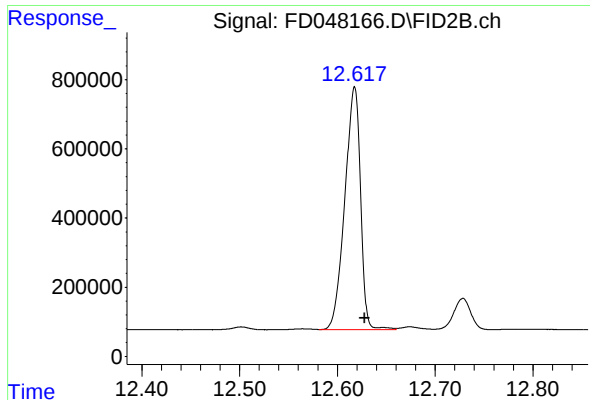
#11 ortho-Terphenyl (SURRE)

R.T.: 11.290 min  
Delta R.T.: -0.009 min  
Response: 6177158  
Conc: 36.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.324 min  
Delta R.T.: -0.012 min  
Response: 8637731  
Conc: 54.55 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.617 min  
Delta R.T.: -0.011 min  
Response: 7886591  
Conc: 49.87 ug/ml

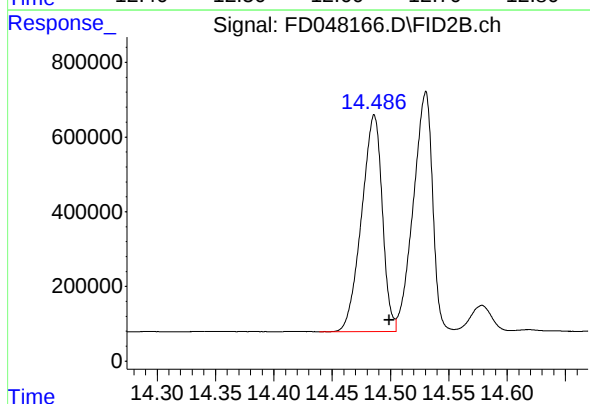
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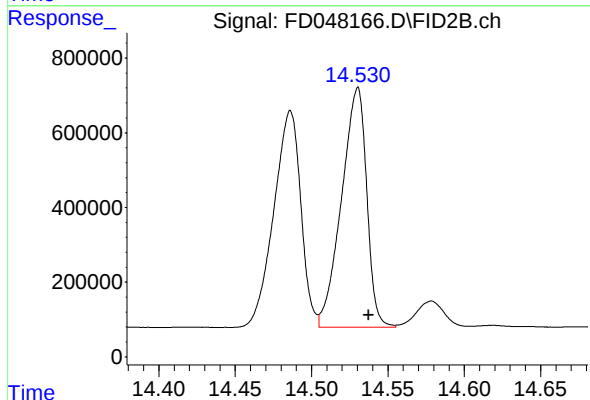
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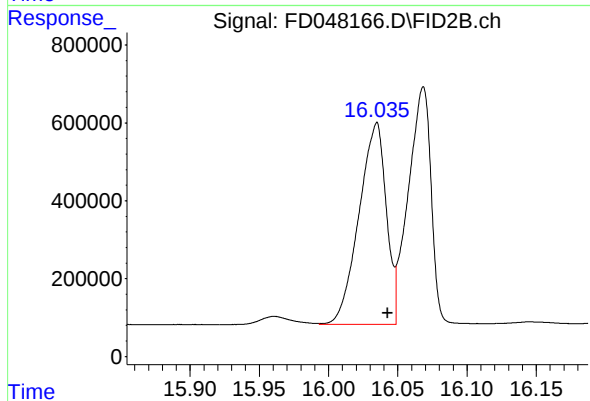
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.486 min  
Delta R.T.: -0.013 min  
Response: 7162279  
Conc: 52.46 ug/ml



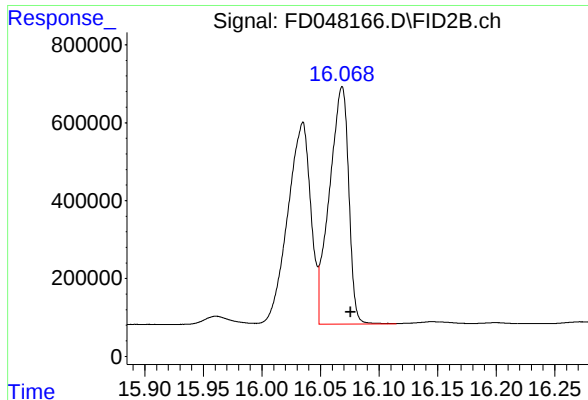
#15 Chrysene (C27.41)

R.T.: 14.530 min  
Delta R.T.: -0.008 min  
Response: 7376220  
Conc: 45.76 ug/ml



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

R.T.: 16.034 min  
Delta R.T.: -0.009 min  
Response: 7114613  
Conc: 49.43 ug/ml



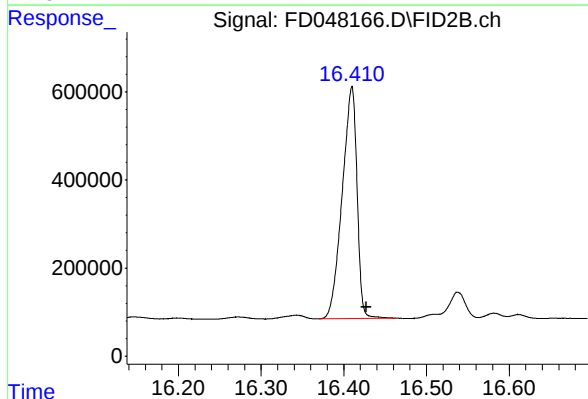
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.068 min  
Delta R.T.: -0.008 min  
Response: 6979243  
Conc: 46.73 ug/ml

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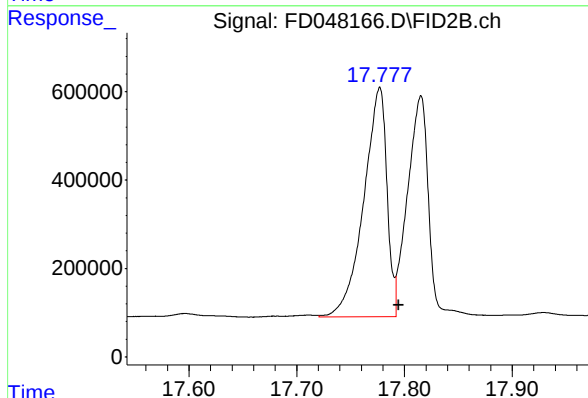
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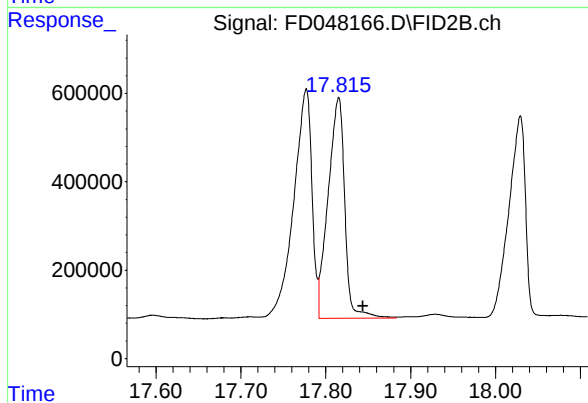
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.410 min  
Delta R.T.: -0.018 min  
Response: 6572488  
Conc: 46.40 ug/ml m



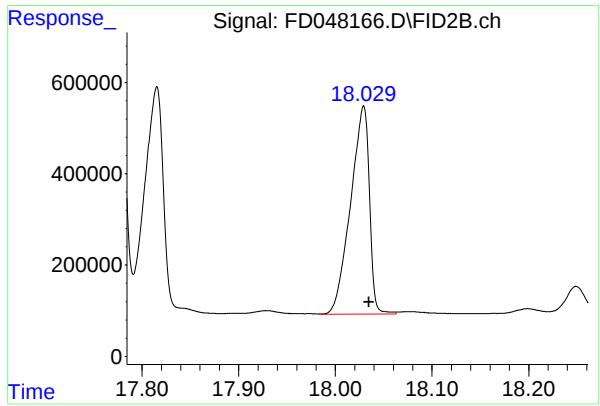
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.776 min  
Delta R.T.: -0.018 min  
Response: 7762183  
Conc: 68.82 ug/ml



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

R.T.: 17.814 min  
Delta R.T.: -0.029 min  
Response: 6801341  
Conc: 46.80 ug/ml



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

R.T.: 18.028 min  
Delta R.T.: -0.006 min  
Response: 6225420  
Conc: 42.24 ug/ml

Instrument :

FID\_D

ClientSampleId :

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