

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD042924AR\  
 Data File : FD047614.D  
 Signal(s) : FID2B.ch  
 Acq On : 29 Apr 2024 23:09  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 68 Sample Multiplier: 1

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

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/30/2024  
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e  
 Quant Time: Apr 30 01:24:44 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 042924.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 29 17:13:11 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...      | 7.460  | 3213327    | 20.489 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.98%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.314  | 2168355    | 20.730 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 41.46%        |
| 11) S ortho-Terphenyl (SURR)       | 11.353 | 3785561    | 20.186 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.37%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.270  | 3323281    | 20.555 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.797  | 3483032    | 20.585 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.847  | 3524865    | 20.693 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.117  | 3329924    | 20.418 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.412  | 3465203    | 20.614 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.191  | 3412153    | 20.513 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.581 | 3355952    | 20.498 ug/mlm |
| 10) T Anthracene (C19.43)          | 10.656 | 3033232    | 20.251 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.387 | 3399190    | 20.485 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.681 | 3302800    | 20.299 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.549 | 3001096    | 20.559 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.591 | 3205283    | 20.340 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.095 | 3065283    | 20.523 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.126 | 3069835    | 20.391 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.471 | 2980786    | 20.658 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.833 | 2784941    | 20.520 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.873 | 2924413    | 20.425 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.084 | 2877593    | 20.959 ug/mlm |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
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Misc :  
ALS Vial : 68 Sample Multiplier: 1

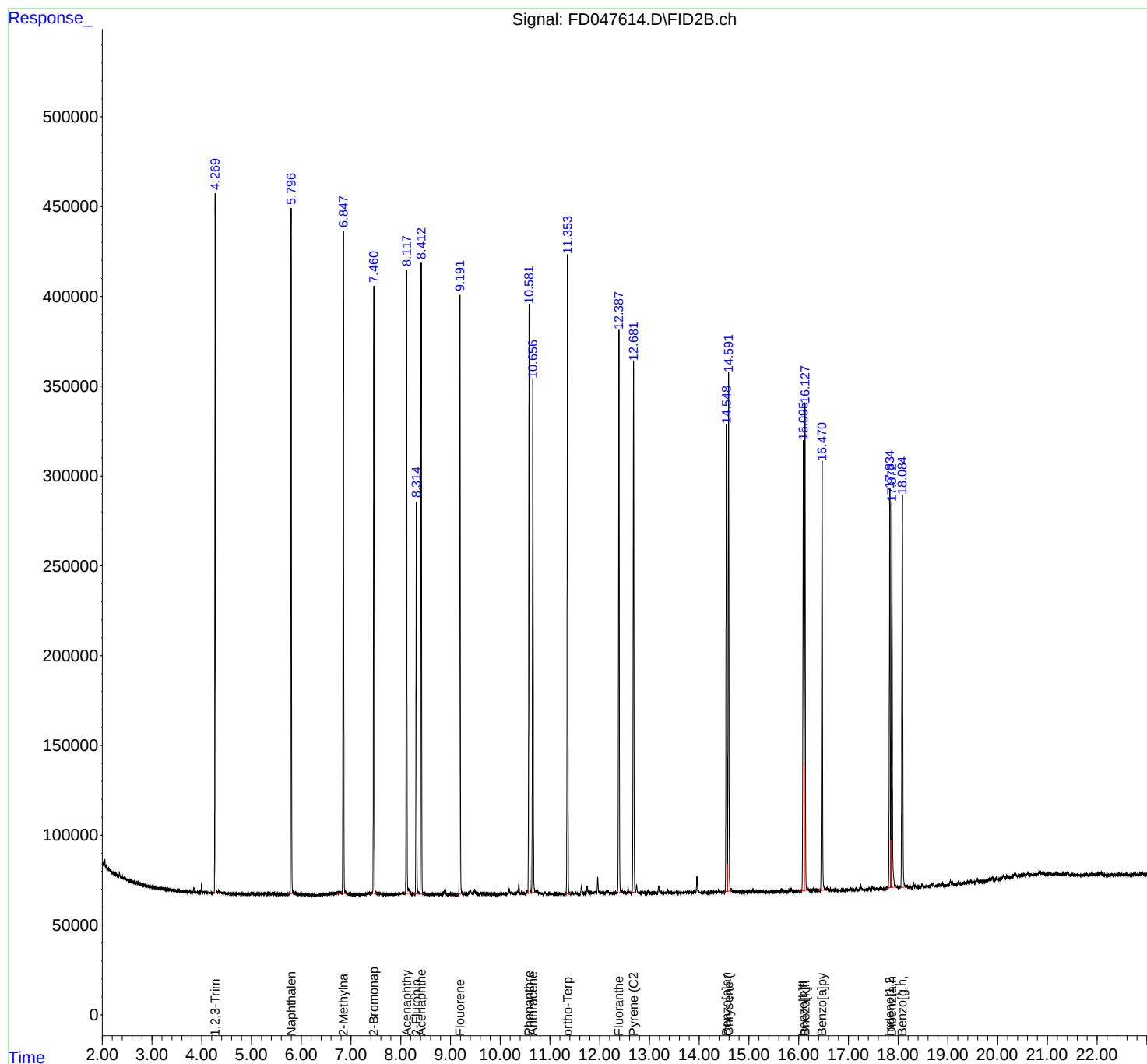
Instrument :  
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20 PPM AROMATIC HC STD

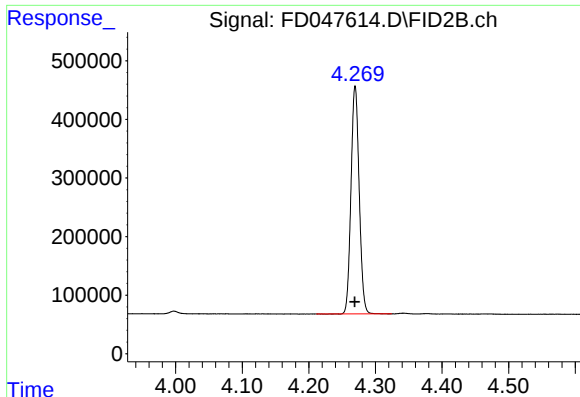
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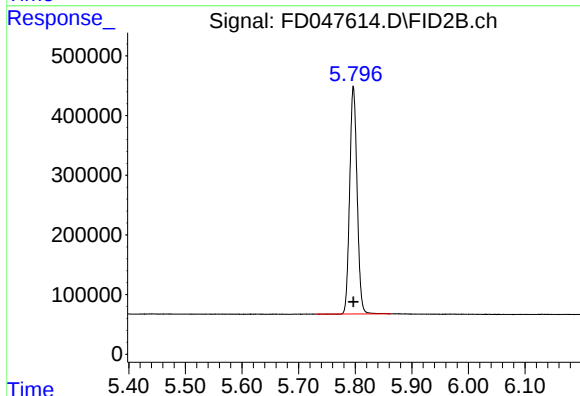
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.270 min  
Delta R.T.: 0.000 min  
Response: 3323281  
Conc: 20.55 ug/ml

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20 PPM AROMATIC HC STD

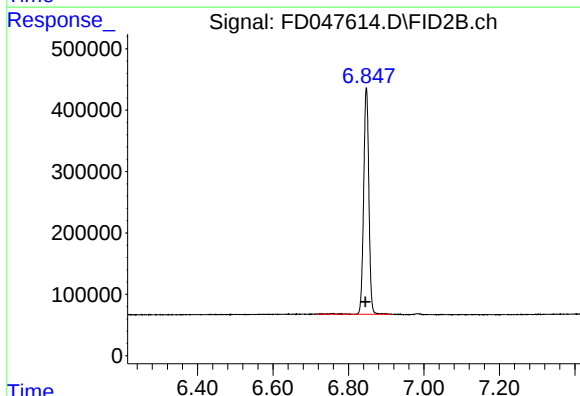
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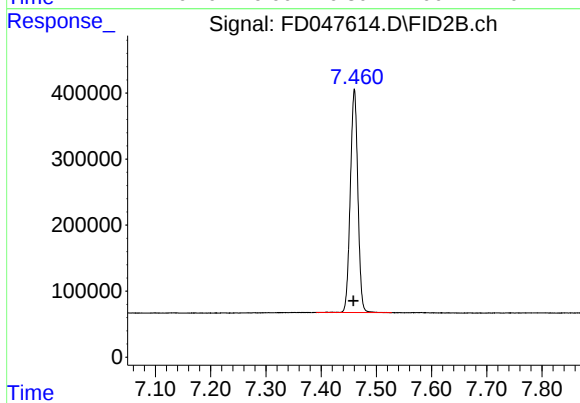
#2 Naphthalene (C11.7)

R.T.: 5.797 min  
Delta R.T.: 0.000 min  
Response: 3483032  
Conc: 20.58 ug/ml



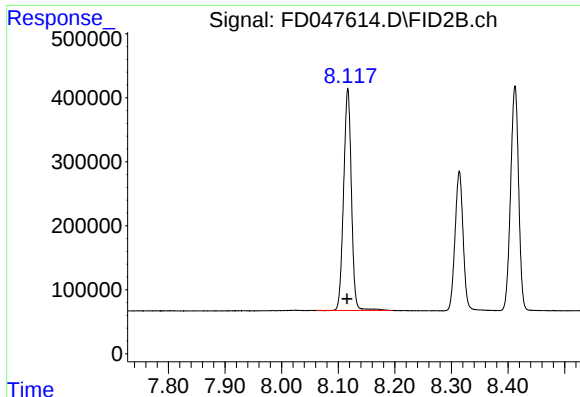
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.847 min  
Delta R.T.: 0.002 min  
Response: 3524865  
Conc: 20.69 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.460 min  
Delta R.T.: 0.002 min  
Response: 3213327  
Conc: 20.49 ug/ml



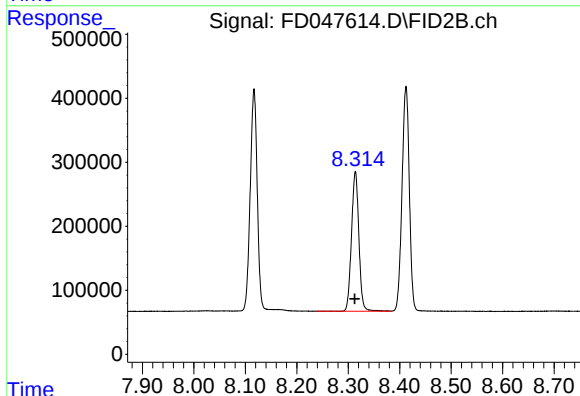
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min  
Delta R.T.: 0.001 min  
Response: 3329924  
Conc: 20.42 ug/ml

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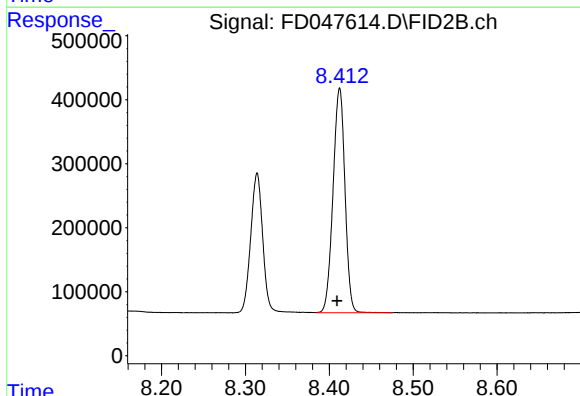
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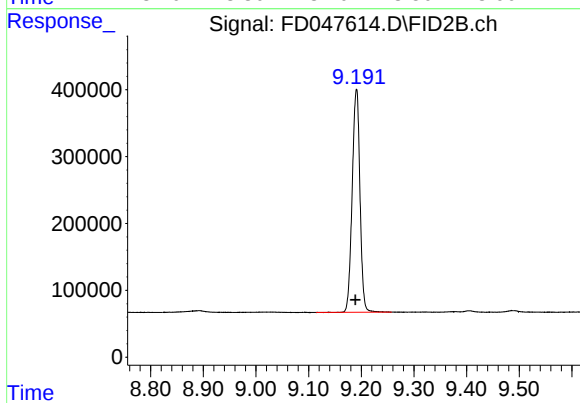
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min  
Delta R.T.: 0.001 min  
Response: 2168355  
Conc: 20.73 ug/ml



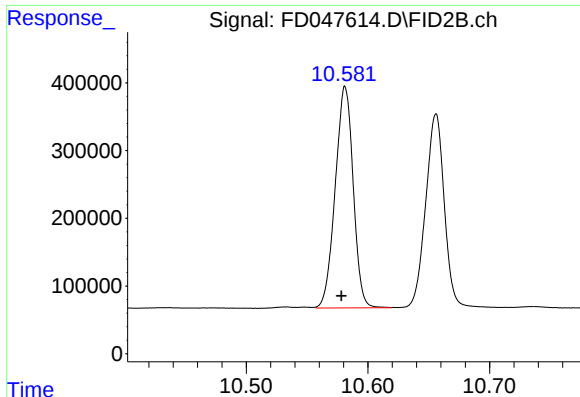
#7 Acenaphthene (C15.5)

R.T.: 8.412 min  
Delta R.T.: 0.003 min  
Response: 3465203  
Conc: 20.61 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.191 min  
Delta R.T.: 0.002 min  
Response: 3412153  
Conc: 20.51 ug/ml



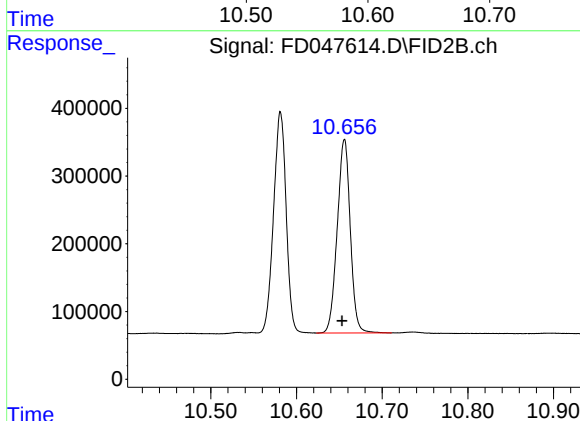
#9 Phenanthrene (C19.36)

R.T.: 10.581 min  
Delta R.T.: 0.002 min  
Response: 3355952  
Conc: 20.50 ug/ml

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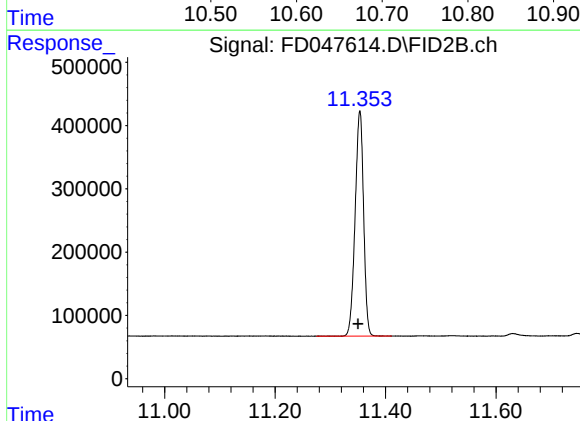
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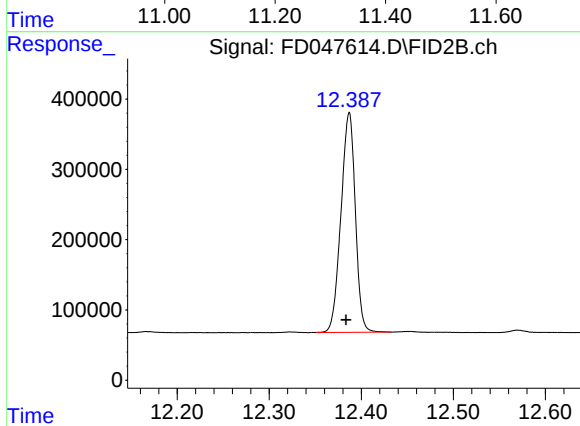
#10 Anthracene (C19.43)

R.T.: 10.656 min  
Delta R.T.: 0.002 min  
Response: 3033232  
Conc: 20.25 ug/ml



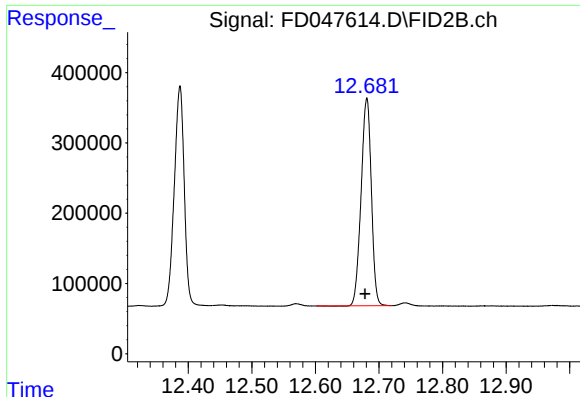
#11 ortho-Terphenyl (SURR)

R.T.: 11.353 min  
Delta R.T.: 0.003 min  
Response: 3785561  
Conc: 20.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.387 min  
Delta R.T.: 0.003 min  
Response: 3399190  
Conc: 20.49 ug/ml



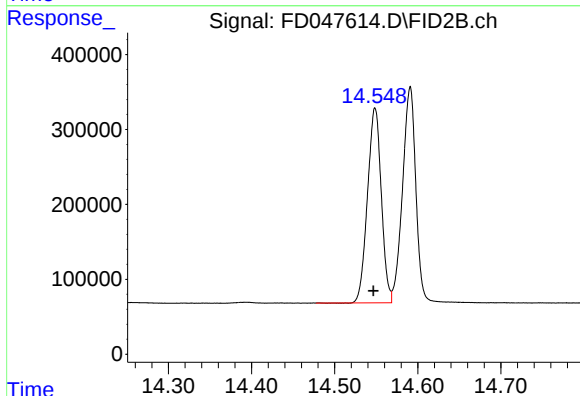
#13 Pyrene (C20.8)

R.T.: 12.681 min  
Delta R.T.: 0.002 min  
Response: 3302800  
Conc: 20.30 ug/ml

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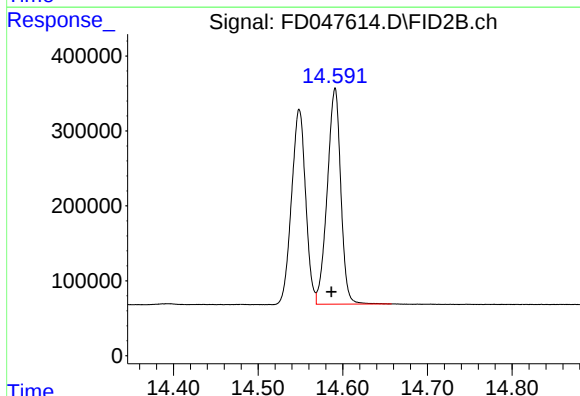
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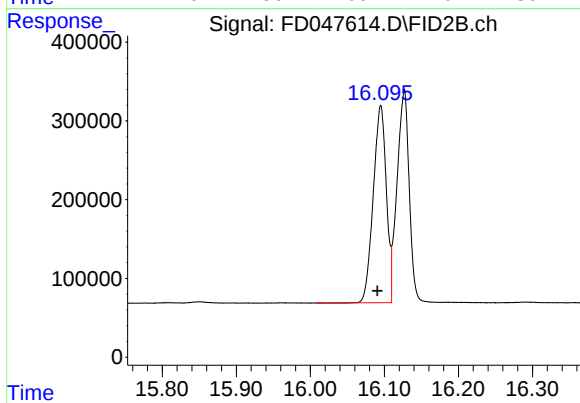
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.549 min  
Delta R.T.: 0.002 min  
Response: 3001096  
Conc: 20.56 ug/ml



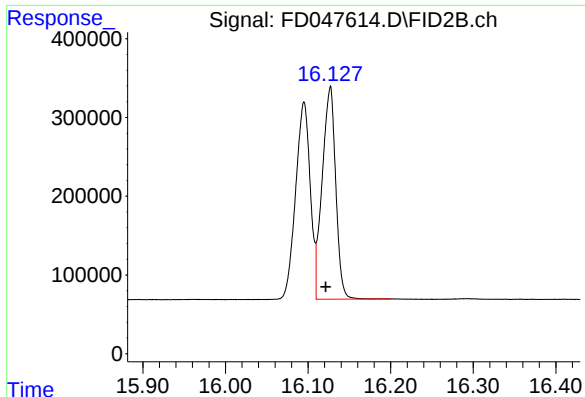
#15 Chrysene (C27.41)

R.T.: 14.591 min  
Delta R.T.: 0.004 min  
Response: 3205283  
Conc: 20.34 ug/ml



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

R.T.: 16.095 min  
Delta R.T.: 0.004 min  
Response: 3065283  
Conc: 20.52 ug/ml



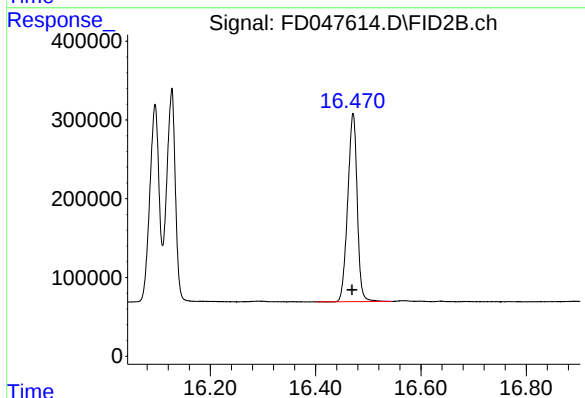
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.126 min  
Delta R.T.: 0.005 min  
Response: 3069835  
Conc: 20.39 ug/ml

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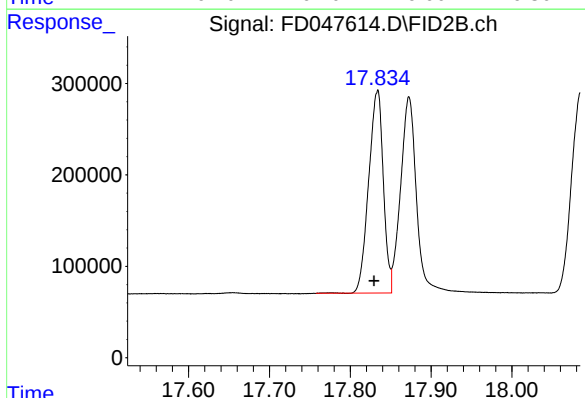
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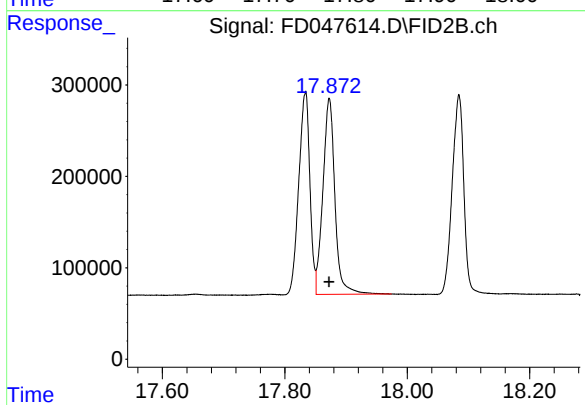
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.471 min  
Delta R.T.: 0.002 min  
Response: 2980786  
Conc: 20.66 ug/ml



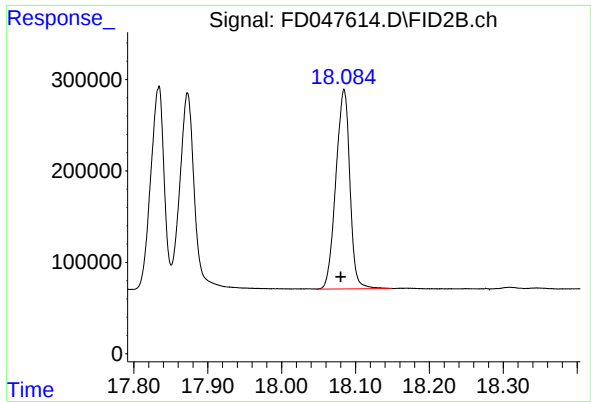
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.833 min  
Delta R.T.: 0.004 min  
Response: 2784941  
Conc: 20.52 ug/ml



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

R.T.: 17.873 min  
Delta R.T.: 0.000 min  
Response: 2924413  
Conc: 20.43 ug/ml



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

R.T.: 18.084 min  
Delta R.T.: 0.004 min  
Response: 2877593  
Conc: 20.96 ug/ml

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