

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD112023AR\  
 Data File : FD046901.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Nov 2023 14:09  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023  
 Supervised By :Ankita Jodhani 11/21/2023

Integration File: autoint1.e  
 Quant Time: Nov 21 00:13:16 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 102723.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Oct 28 02:49:53 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...      | 7.477  | 3841807    | 21.065 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.13%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.330  | 2452501    | 20.840 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 41.68%        |
| 11) S ortho-Terphenyl (SURR)       | 11.367 | 4485561    | 21.183 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.37%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.292  | 4066338    | 21.056 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.817  | 4278307    | 21.365 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.865  | 4229784    | 21.045 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.134  | 3850489    | 20.935 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.429  | 4110159    | 20.982 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.207  | 3914892    | 21.165 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.595 | 3677893    | 20.673 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.669 | 2762310    | 16.209 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.397 | 3662685    | 21.207 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.691 | 3459507    | 20.806 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.554 | 2804747    | 19.935 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.596 | 3138522    | 20.124 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.096 | 2944154    | 20.570 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.127 | 3079438    | 21.034 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.470 | 2702406    | 19.280 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.827 | 2506481    | 19.841 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 17.867 | 2683155    | 19.206 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.078 | 2727865    | 19.537 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
Sample : 20 PPM AROMATIC HC STD  
Misc :  
ALS Vial : 56 Sample Multiplier: 1

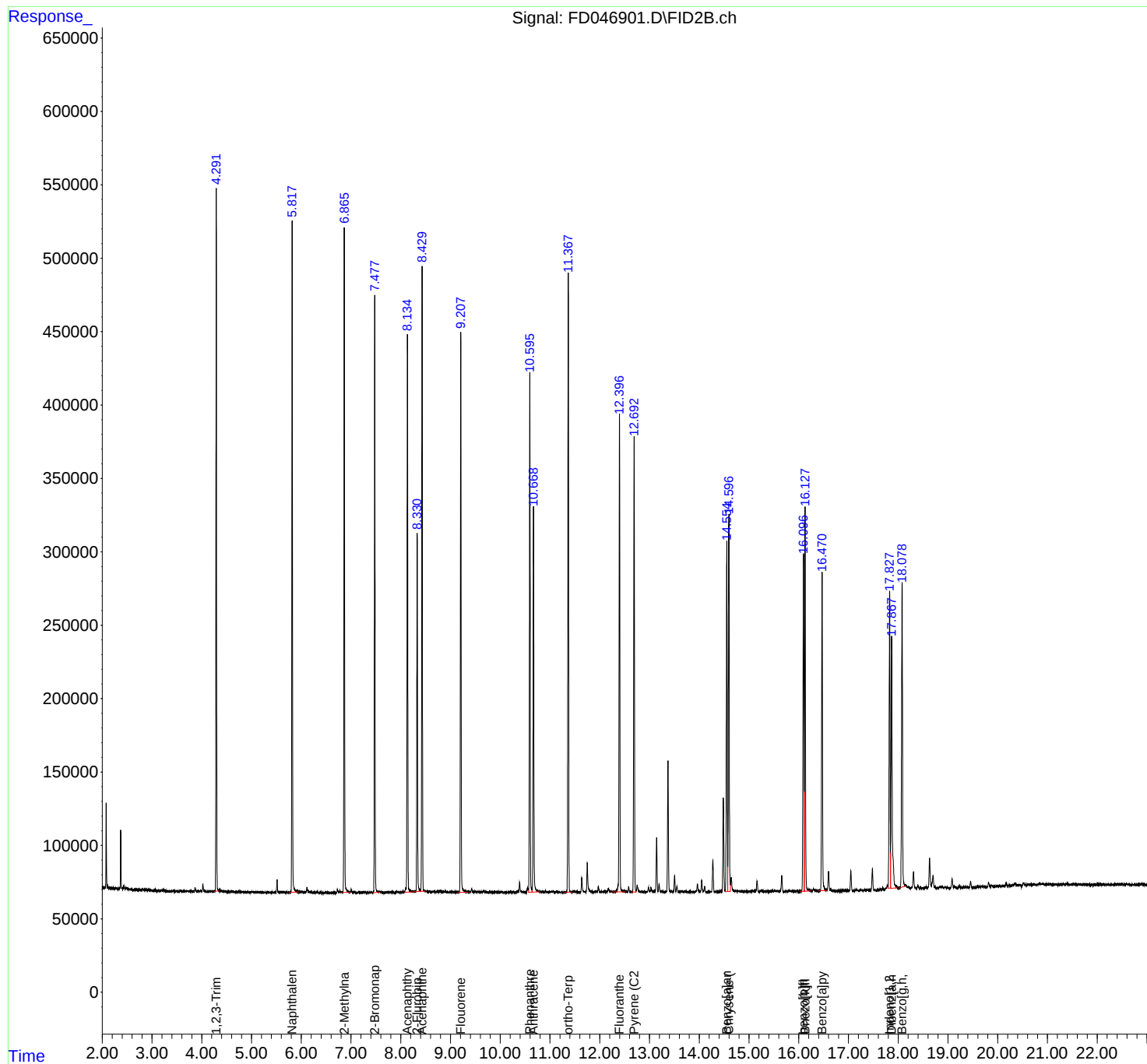
Instrument :  
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20 PPM AROMATIC HC STD

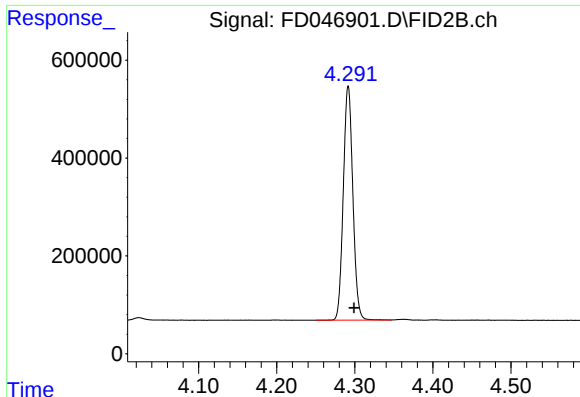
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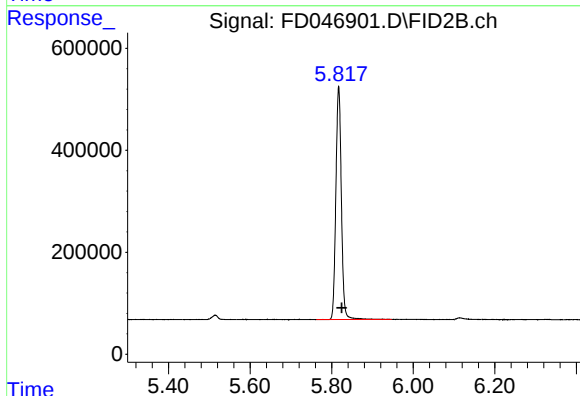
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.292 min  
Delta R.T.: -0.007 min  
Response: 4066338  
Conc: 21.06 ug/ml

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20 PPM AROMATIC HC STD

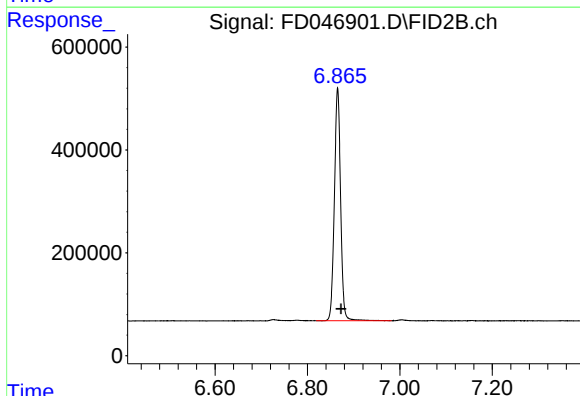
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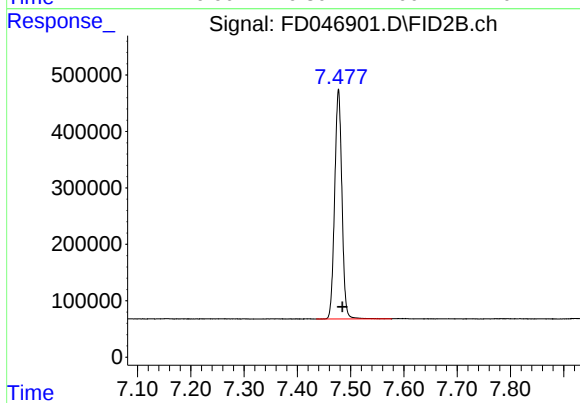
#2 Naphthalene (C11.7)

R.T.: 5.817 min  
Delta R.T.: -0.007 min  
Response: 4278307  
Conc: 21.37 ug/ml



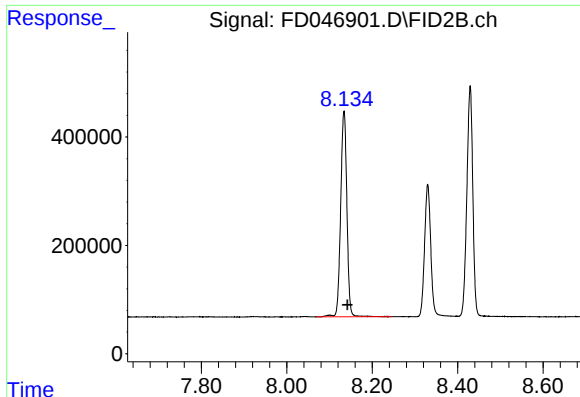
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.865 min  
Delta R.T.: -0.007 min  
Response: 4229784  
Conc: 21.05 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.477 min  
Delta R.T.: -0.007 min  
Response: 3841807  
Conc: 21.07 ug/ml



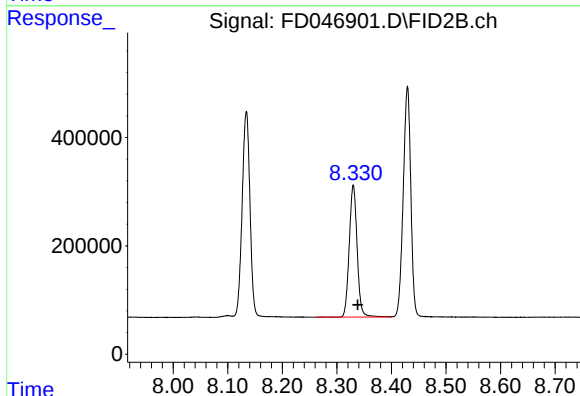
#5 Acenaphthylene (C15.06)

R.T.: 8.134 min  
Delta R.T.: -0.008 min  
Response: 3850489  
Conc: 20.93 ug/ml

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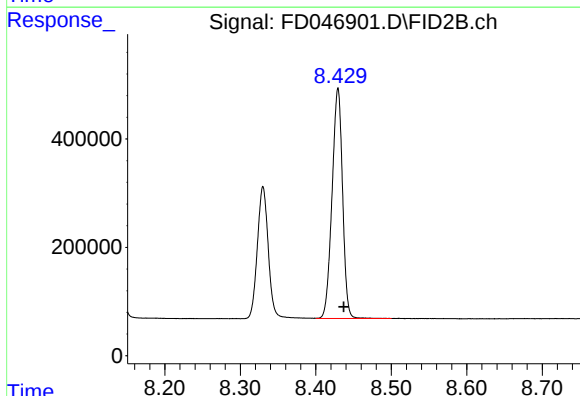
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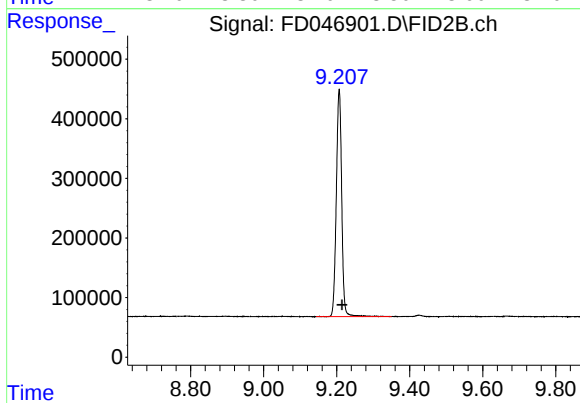
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.330 min  
Delta R.T.: -0.008 min  
Response: 2452501  
Conc: 20.84 ug/ml



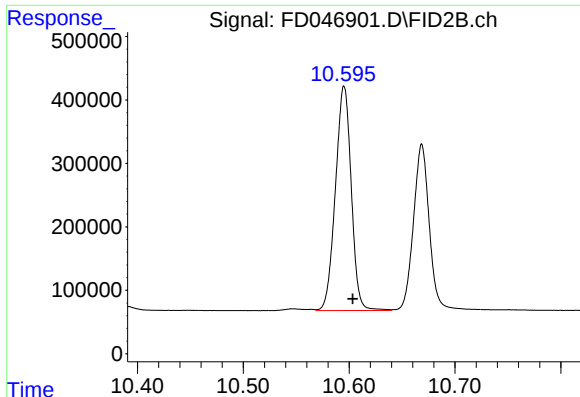
#7 Acenaphthene (C15.5)

R.T.: 8.429 min  
Delta R.T.: -0.008 min  
Response: 4110159  
Conc: 20.98 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.207 min  
Delta R.T.: -0.008 min  
Response: 3914892  
Conc: 21.17 ug/ml



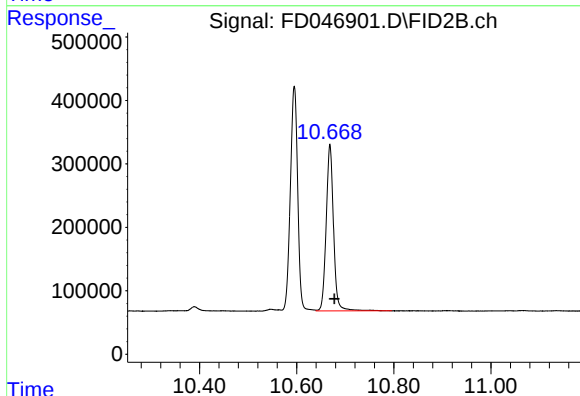
#9 Phenanthrene (C19.36)

R.T.: 10.595 min  
Delta R.T.: -0.008 min  
Response: 3677893  
Conc: 20.67 ug/ml

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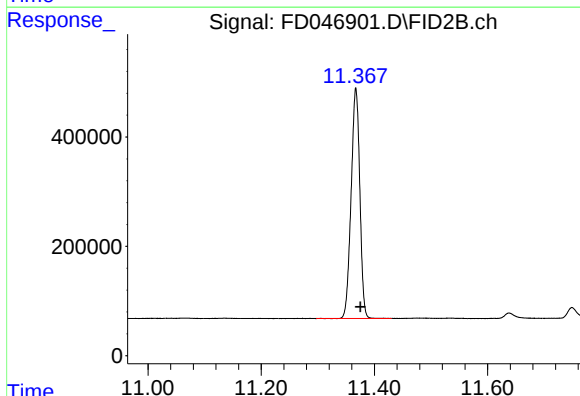
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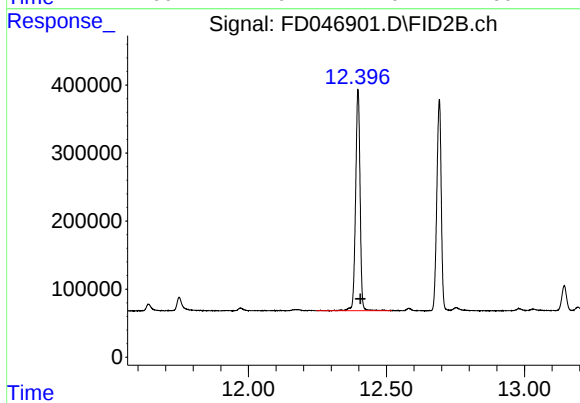
#10 Anthracene (C19.43)

R.T.: 10.669 min  
Delta R.T.: -0.009 min  
Response: 2762310  
Conc: 16.21 ug/ml



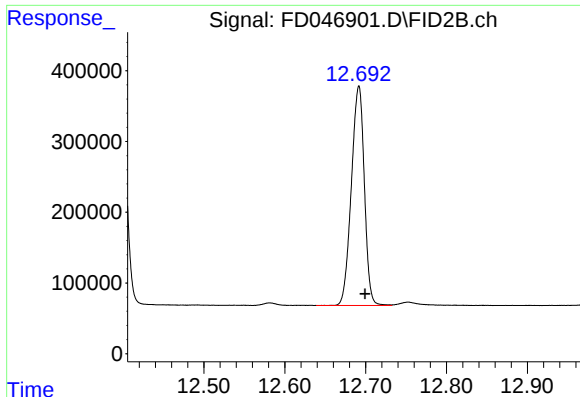
#11 ortho-Terphenyl (SURR)

R.T.: 11.367 min  
Delta R.T.: -0.008 min  
Response: 4485561  
Conc: 21.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.397 min  
Delta R.T.: -0.009 min  
Response: 3662685  
Conc: 21.21 ug/ml



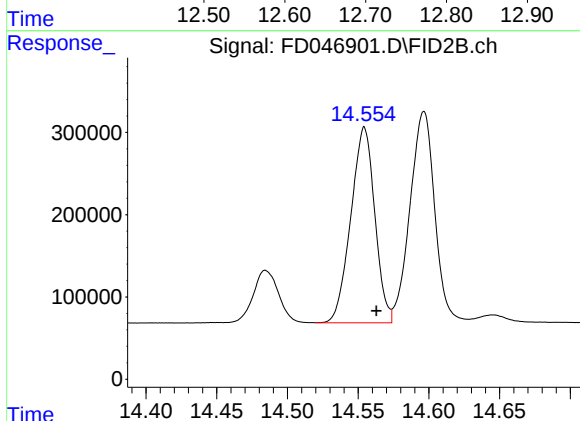
#13 Pyrene (C20.8)

R.T.: 12.691 min  
Delta R.T.: -0.008 min  
Response: 3459507  
Conc: 20.81 ug/ml

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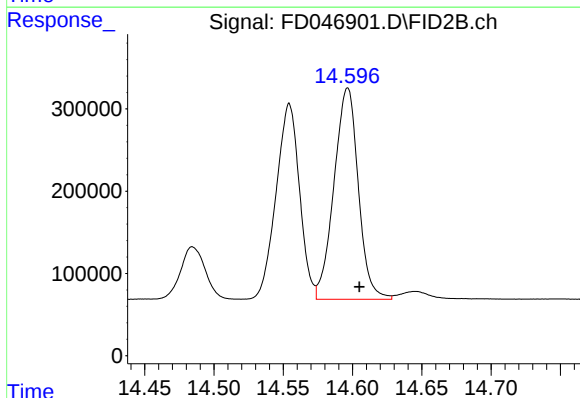
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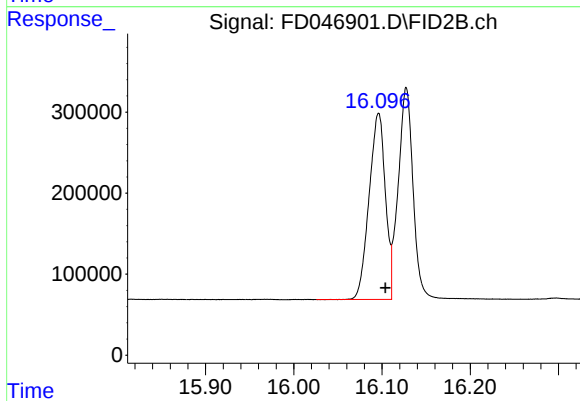
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.554 min  
Delta R.T.: -0.009 min  
Response: 2804747  
Conc: 19.94 ug/ml



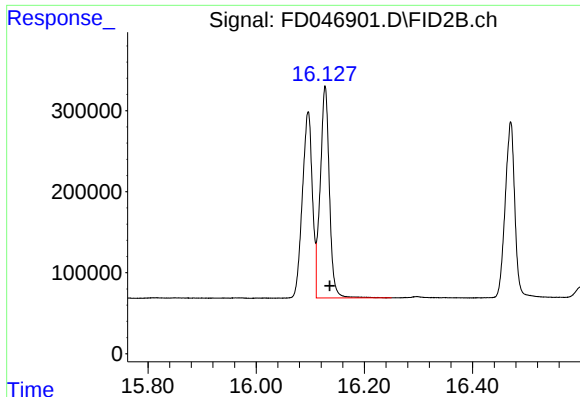
#15 Chrysene (C27.41)

R.T.: 14.596 min  
Delta R.T.: -0.009 min  
Response: 3138522  
Conc: 20.12 ug/ml



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

R.T.: 16.096 min  
Delta R.T.: -0.008 min  
Response: 2944154  
Conc: 20.57 ug/ml



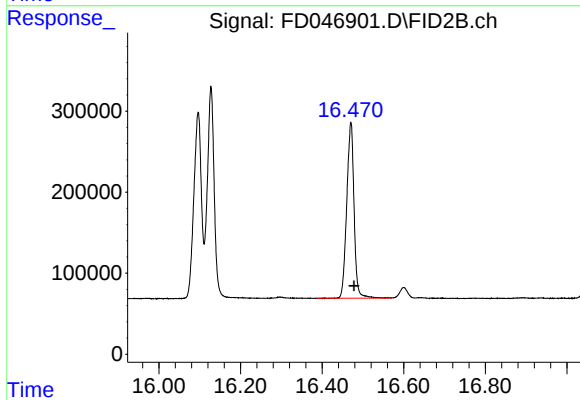
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.127 min  
Delta R.T.: -0.008 min  
Response: 3079438  
Conc: 21.03 ug/ml

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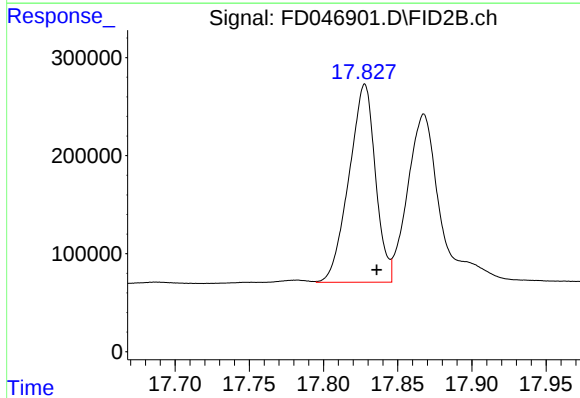
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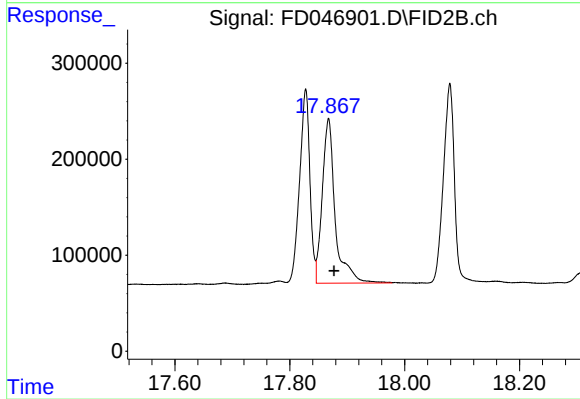
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.470 min  
Delta R.T.: -0.008 min  
Response: 2702406  
Conc: 19.28 ug/ml



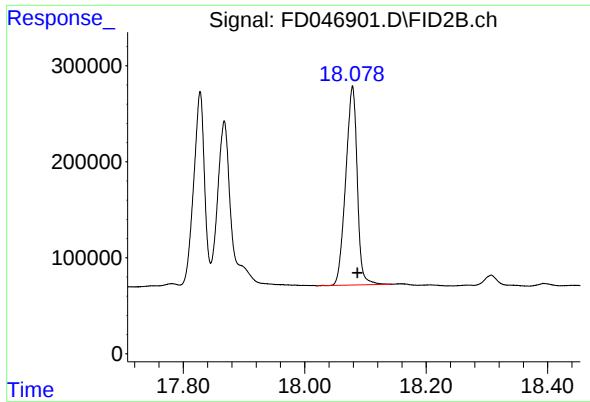
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.827 min  
Delta R.T.: -0.008 min  
Response: 2506481  
Conc: 19.84 ug/ml m



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

R.T.: 17.867 min  
Delta R.T.: -0.010 min  
Response: 2683155  
Conc: 19.21 ug/ml m



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

R.T.: 18.078 min  
Delta R.T.: -0.009 min  
Response: 2727865  
Conc: 19.54 ug/ml

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