

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD101323AR\  
 Data File : FD046739.D  
 Signal(s) : FID2B.ch  
 Acq On : 13 Oct 2023 13:41  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/16/2023  
 Supervised By :Ankita Jodhani 10/17/2023

Integration File: autoint1.e  
 Quant Time: Oct 14 02:58:39 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 101023.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Oct 11 02:49:06 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...      | 7.488  | 3874179    | 20.870 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 41.74%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.341  | 2531361    | 20.892 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 41.78%        |
| 11) S ortho-Terphenyl (SURR)       | 11.378 | 4559250    | 21.073 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.15%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.301  | 4000641    | 20.603 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.827  | 4218752    | 20.853 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.876  | 4274320    | 20.926 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.145  | 3883622    | 21.039 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.440  | 4173017    | 20.992 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.218  | 4034661    | 21.196 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.607 | 3865999    | 20.974 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.680 | 2708223    | 20.715 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.409 | 3821089    | 20.973 ug/mlm |
| 13) T Pyrene (C20.8)               | 12.703 | 3713807    | 21.178 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.567 | 3066131    | 20.937 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.609 | 3396605    | 21.111 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.108 | 3170976    | 21.221 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.141 | 3150003    | 20.939 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.483 | 2978201    | 21.059 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.840 | 2761455    | 20.369 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.881 | 2800272    | 19.818 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.091 | 2949559    | 20.968 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

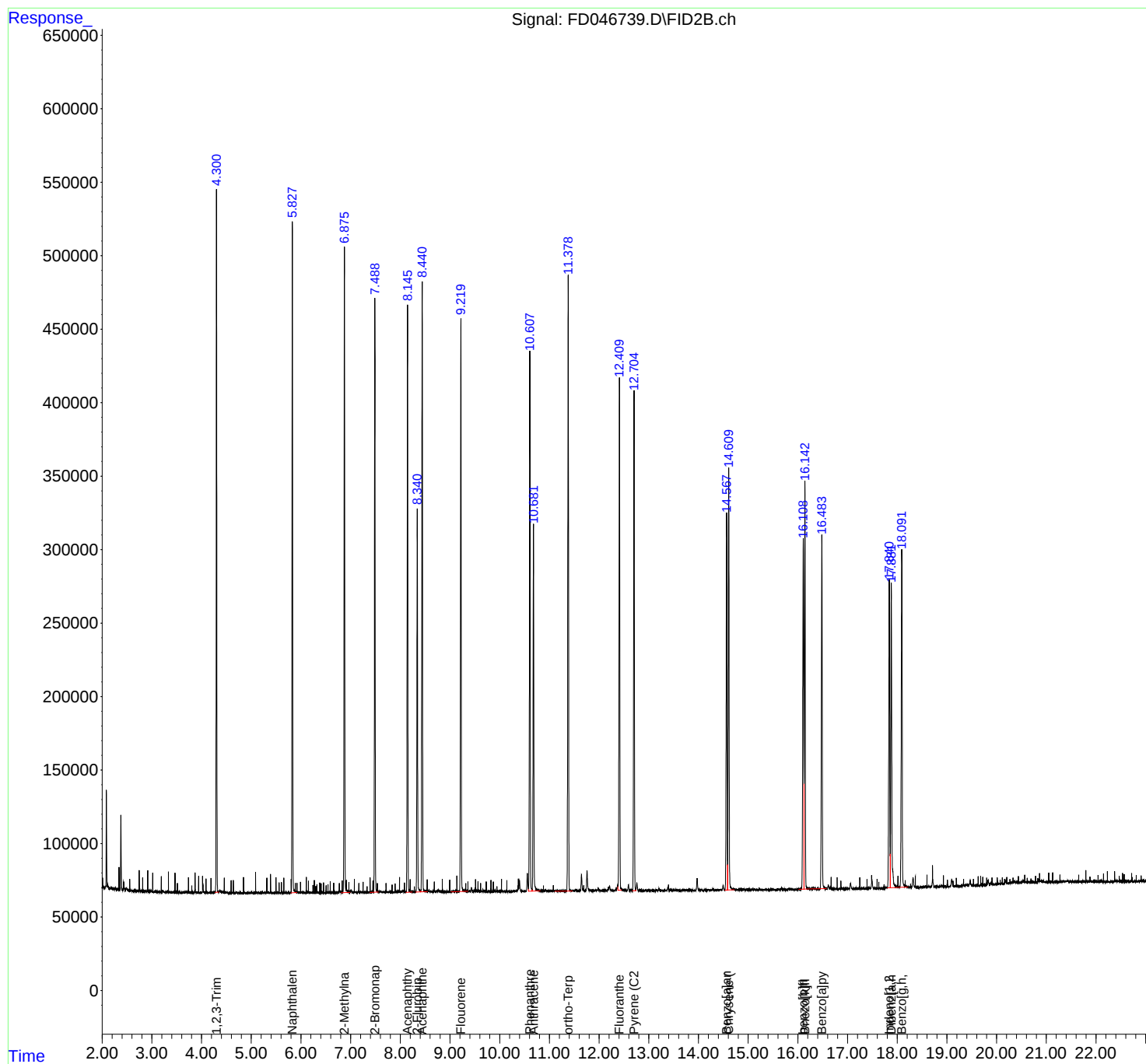
Instrument :  
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20 PPM AROMATIC HC STD

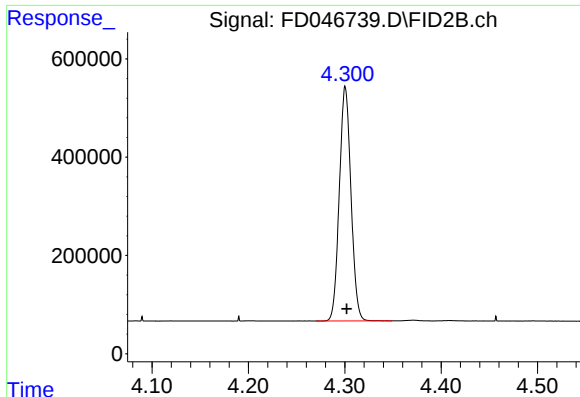
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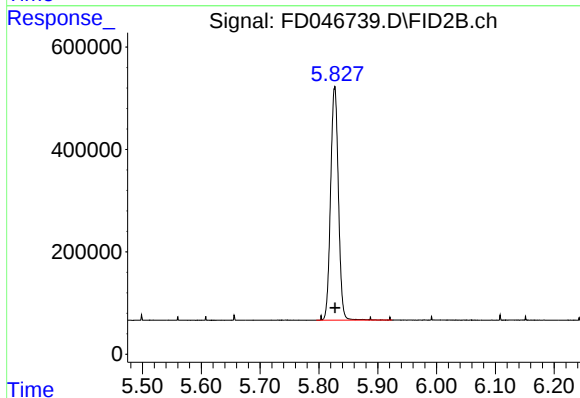
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.301 min  
Delta R.T.: -0.001 min  
Response: 4000641  
Conc: 20.60 ug/ml

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20 PPM AROMATIC HC STD

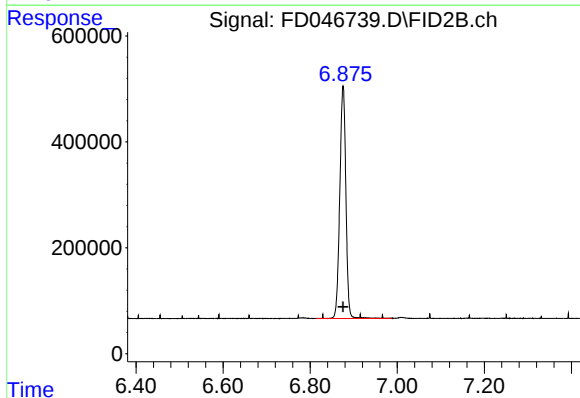
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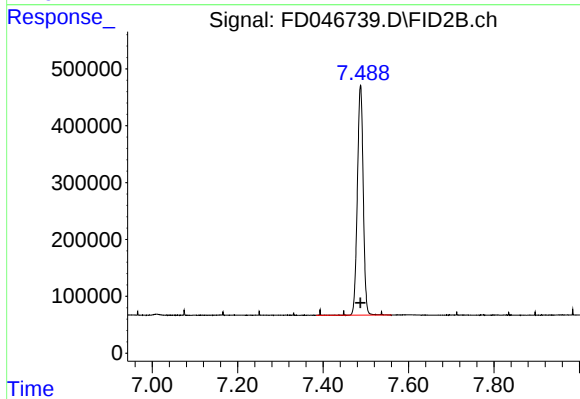
#2 Naphthalene (C11.7)

R.T.: 5.827 min  
Delta R.T.: 0.000 min  
Response: 4218752  
Conc: 20.85 ug/ml



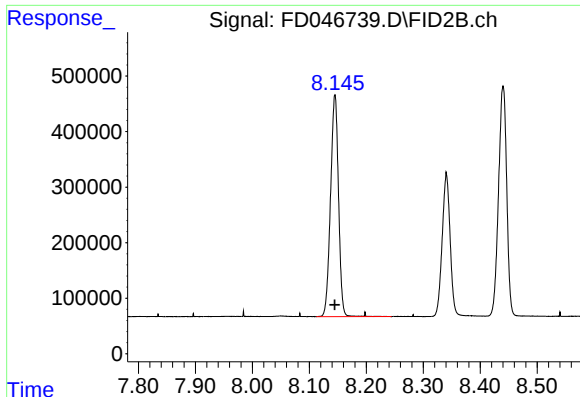
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.876 min  
Delta R.T.: 0.000 min  
Response: 4274320  
Conc: 20.93 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.488 min  
Delta R.T.: 0.000 min  
Response: 3874179  
Conc: 20.87 ug/ml



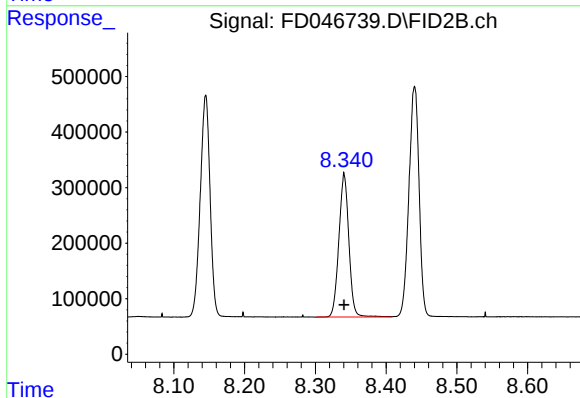
#5 Acenaphthylene (C15.06)

R.T.: 8.145 min  
Delta R.T.: 0.000 min  
Response: 3883622  
Conc: 21.04 ug/ml

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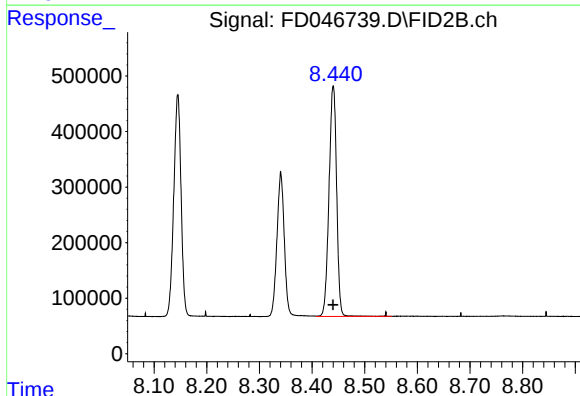
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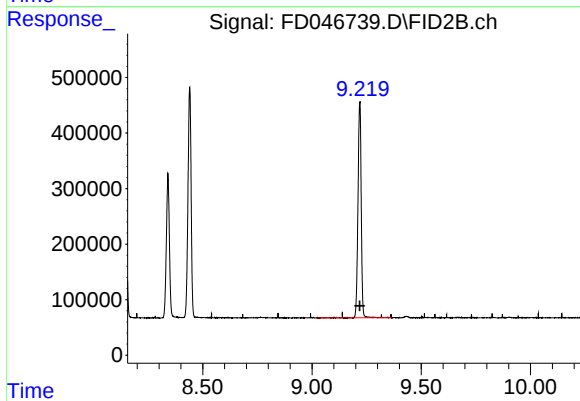
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.341 min  
Delta R.T.: 0.000 min  
Response: 2531361  
Conc: 20.89 ug/ml



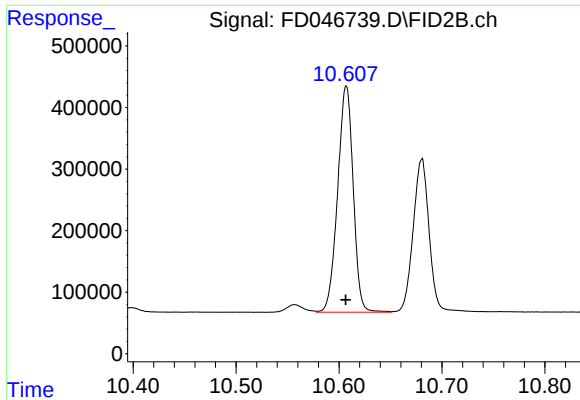
#7 Acenaphthene (C15.5)

R.T.: 8.440 min  
Delta R.T.: 0.000 min  
Response: 4173017  
Conc: 20.99 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.218 min  
Delta R.T.: 0.000 min  
Response: 4034661  
Conc: 21.20 ug/ml



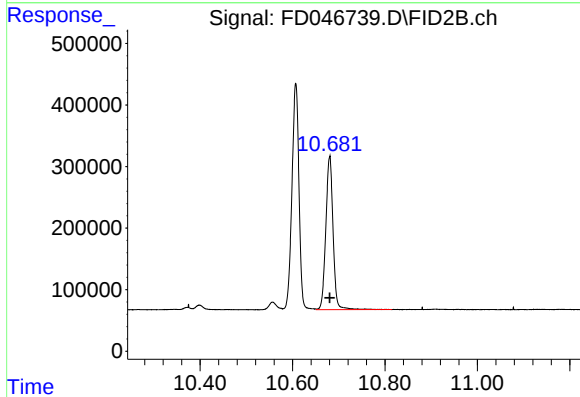
#9 Phenanthrene (C19.36)

R.T.: 10.607 min  
Delta R.T.: 0.000 min  
Response: 3865999  
Conc: 20.97 ug/ml

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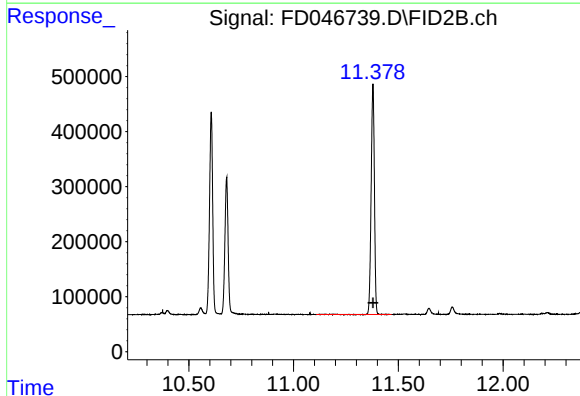
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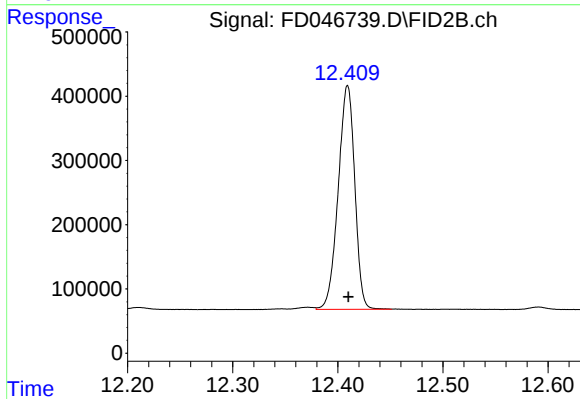
#10 Anthracene (C19.43)

R.T.: 10.680 min  
Delta R.T.: 0.000 min  
Response: 2708223  
Conc: 20.72 ug/ml



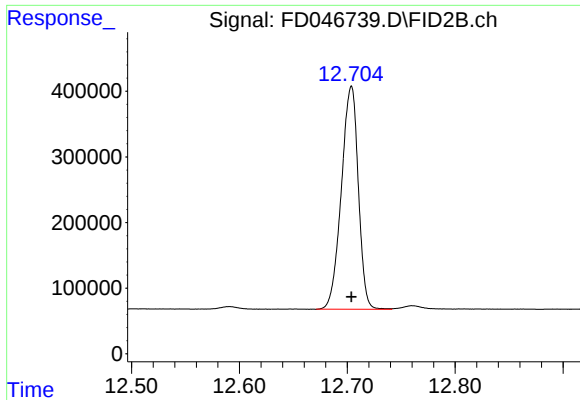
#11 ortho-Terphenyl (SURR)

R.T.: 11.378 min  
Delta R.T.: -0.001 min  
Response: 4559250  
Conc: 21.07 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.409 min  
Delta R.T.: 0.000 min  
Response: 3821089  
Conc: 20.97 ug/ml m



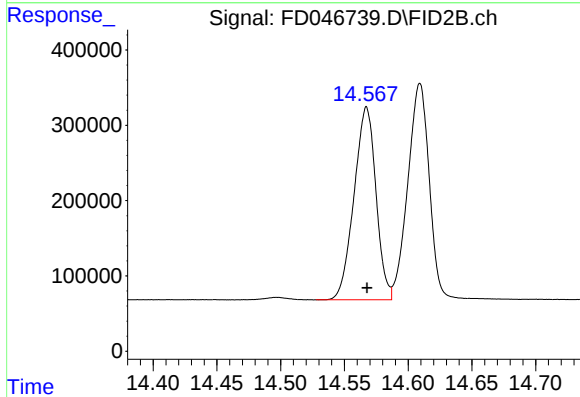
#13 Pyrene (C20.8)

R.T.: 12.703 min  
Delta R.T.: -0.001 min  
Response: 3713807  
Conc: 21.18 ug/ml

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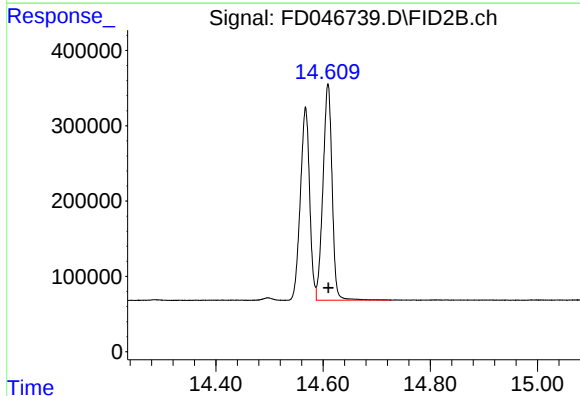
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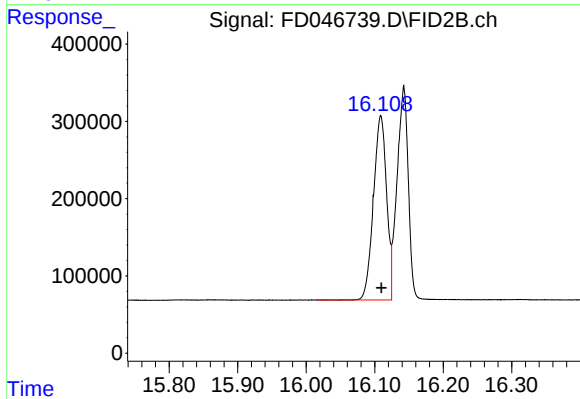
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.567 min  
Delta R.T.: 0.000 min  
Response: 3066131  
Conc: 20.94 ug/ml



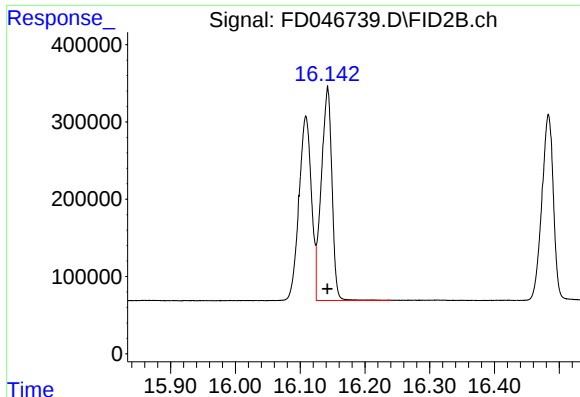
#15 Chrysene (C27.41)

R.T.: 14.609 min  
Delta R.T.: -0.001 min  
Response: 3396605  
Conc: 21.11 ug/ml



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

R.T.: 16.108 min  
Delta R.T.: -0.002 min  
Response: 3170976  
Conc: 21.22 ug/ml



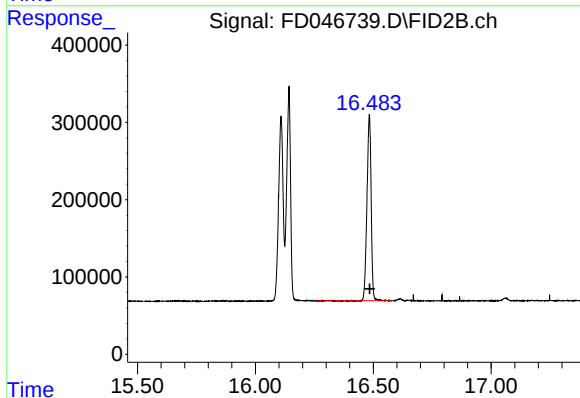
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.141 min  
Delta R.T.: 0.000 min  
Response: 3150003  
Conc: 20.94 ug/ml

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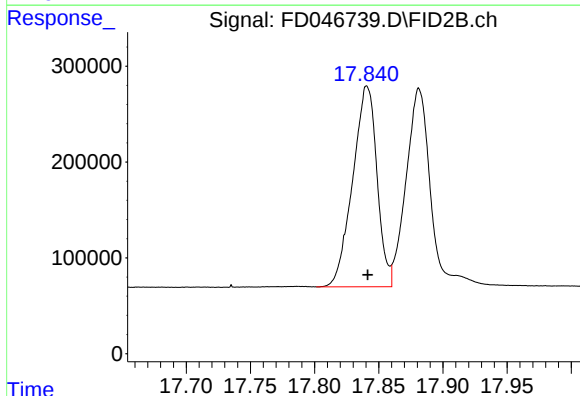
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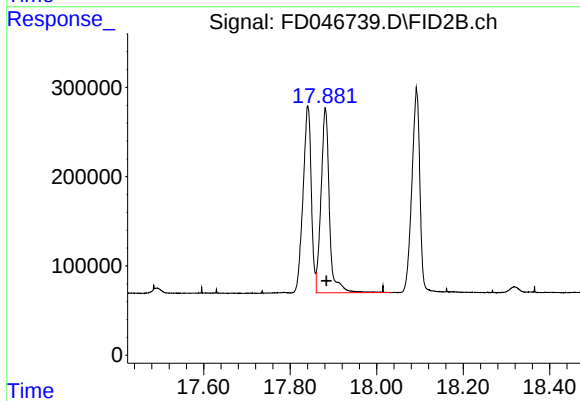
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.483 min  
Delta R.T.: -0.002 min  
Response: 2978201  
Conc: 21.06 ug/ml



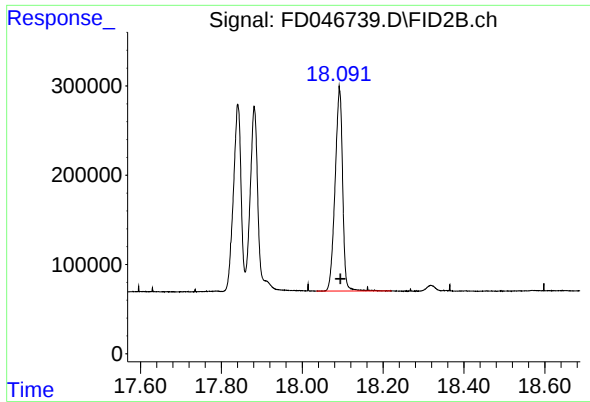
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.840 min  
Delta R.T.: -0.001 min  
Response: 2761455  
Conc: 20.37 ug/ml



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

R.T.: 17.881 min  
Delta R.T.: -0.003 min  
Response: 2800272  
Conc: 19.82 ug/ml



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

R.T.: 18.091 min  
Delta R.T.: -0.003 min  
Response: 2949559  
Conc: 20.97 ug/ml

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