

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD022725AR\  
 Data File : FD049126.D  
 Signal(s) : FID2B.ch  
 Acq On : 27 Feb 2025 17:45  
 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 02/28/2025  
 Supervised By :Ankita Jodhani 02/28/2025

Integration File: autoint1.e  
 Quant Time: Feb 28 01:29:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 021125.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Feb 12 12:54:29 2025  
 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...      | 7.353  | 2728919    | 19.069 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 38.14%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.205  | 1647523    | 18.741 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 37.48%        |
| 11) S ortho-Terphenyl (SURR)       | 11.234 | 3139487    | 19.407 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 38.81%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.176  | 2992353    | 18.790 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.694  | 3031512    | 19.092 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.740  | 3015137    | 19.366 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.004  | 3001239    | 18.457 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.297  | 3152302    | 19.162 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.078  | 2966953    | 18.820 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.465 | 2891028    | 19.184 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.543 | 2491145    | 16.495 ug/mlm |
| 12) T Fluoranthene (C21.85)        | 12.268 | 2989893    | 19.375 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.561 | 2994413    | 19.437 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.431 | 2485881    | 18.920 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.472 | 2805670    | 17.353 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 15.978 | 2629919    | 19.114 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.011 | 3133545    | 19.840 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.361 | 2394319    | 17.639 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.726 | 1822082    | 16.674 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.767 | 3259244    | 21.008 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 17.972 | 2536810    | 17.501 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

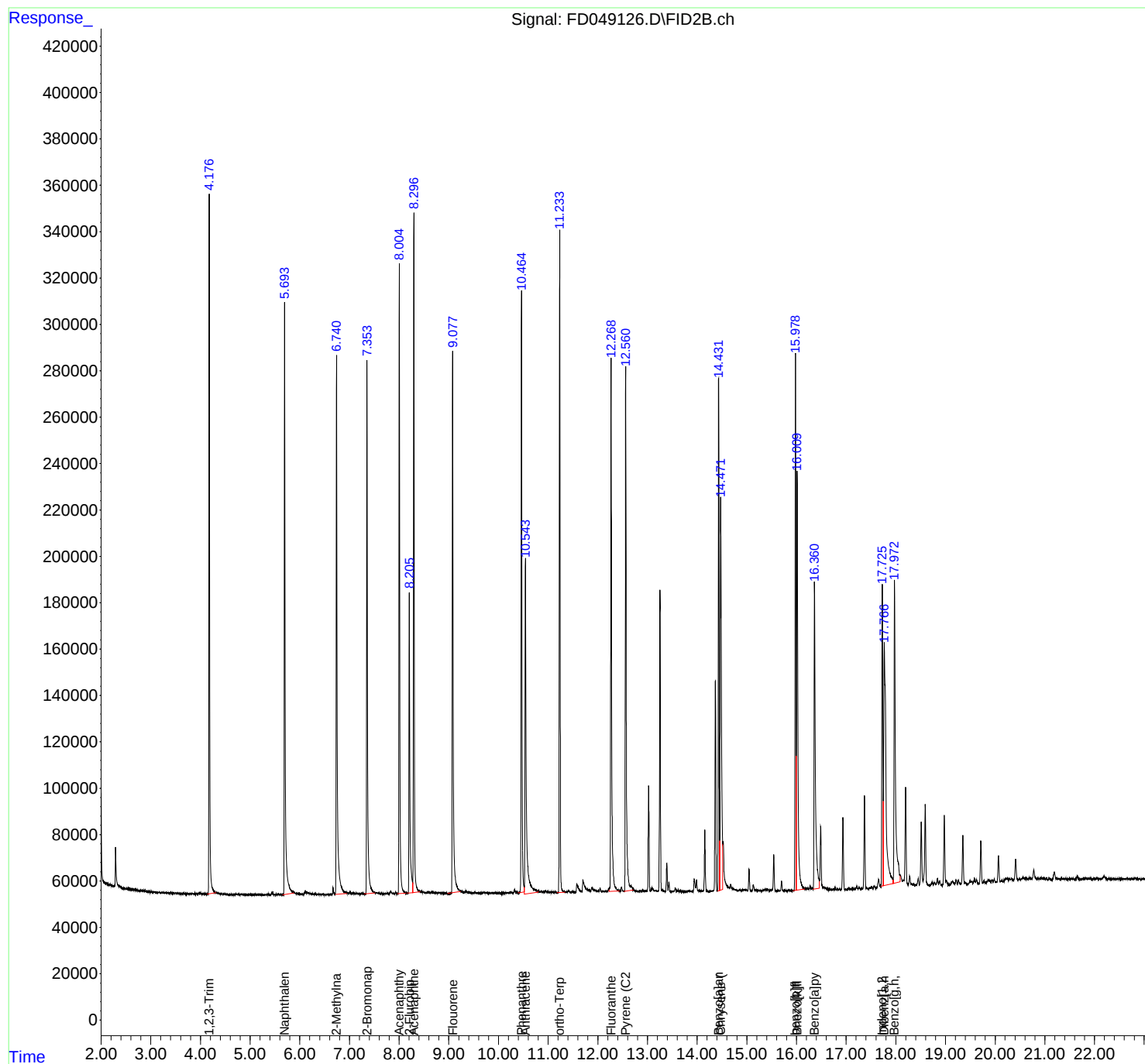
Instrument :  
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20 PPM AROMATIC HC STD

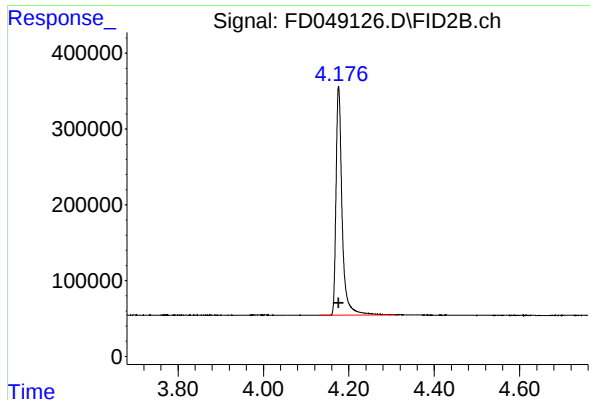
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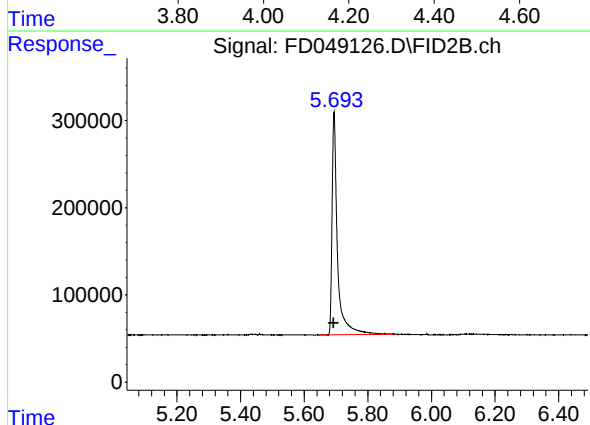
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.176 min  
Delta R.T.: 0.000 min  
Response: 2992353  
Conc: 18.79 ug/ml

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20 PPM AROMATIC HC STD

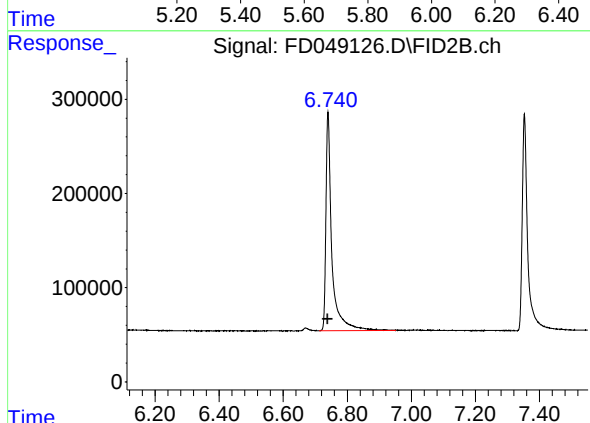
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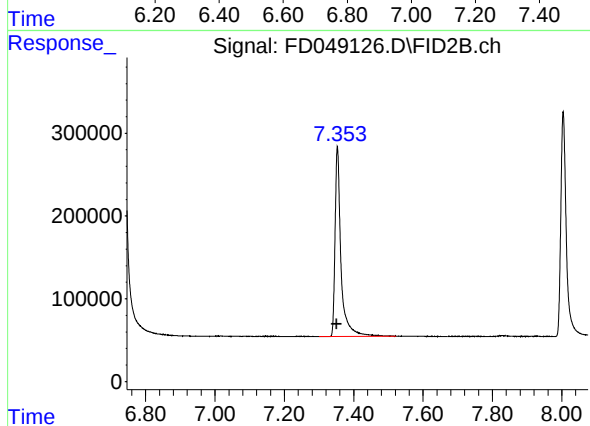
#2 Naphthalene (C11.7)

R.T.: 5.694 min  
Delta R.T.: 0.001 min  
Response: 3031512  
Conc: 19.09 ug/ml



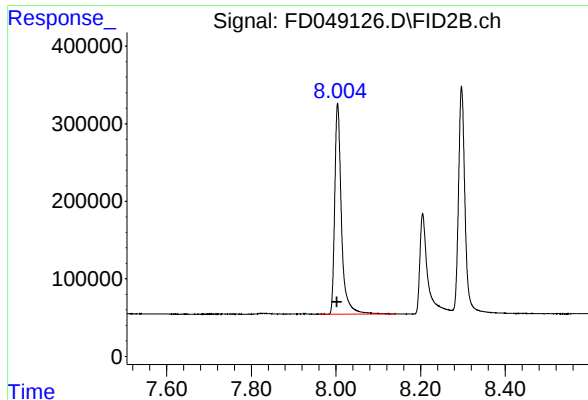
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.740 min  
Delta R.T.: 0.001 min  
Response: 3015137  
Conc: 19.37 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.353 min  
Delta R.T.: 0.002 min  
Response: 2728919  
Conc: 19.07 ug/ml



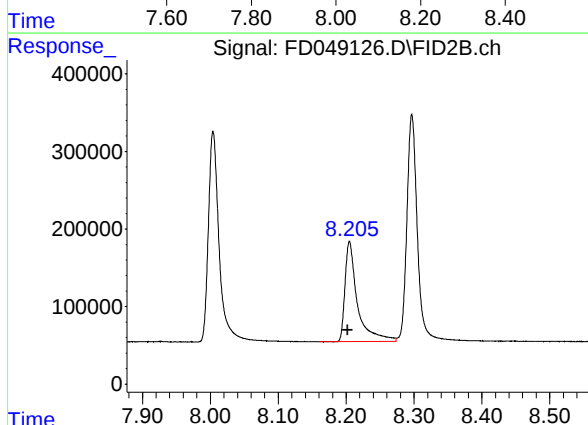
#5 Acenaphthylene (C15.06)

R.T.: 8.004 min  
Delta R.T.: 0.001 min  
Response: 3001239  
Conc: 18.46 ug/ml

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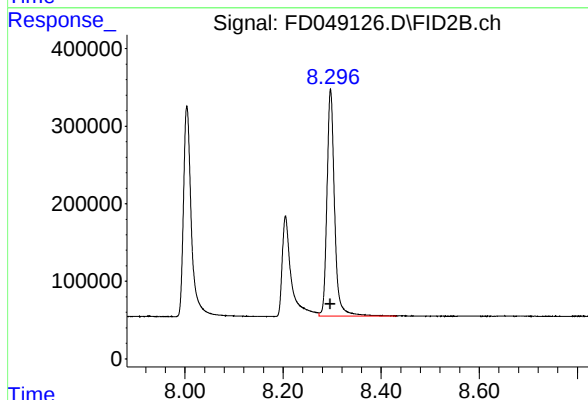
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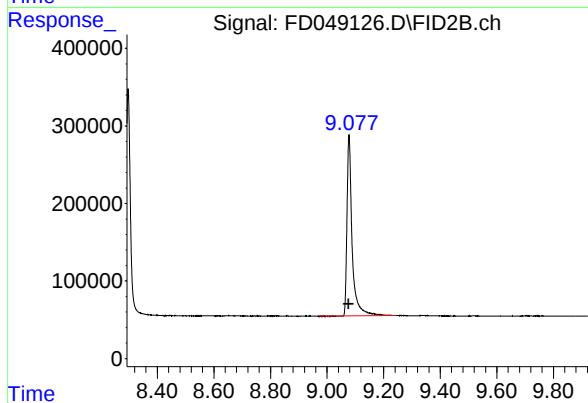
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.205 min  
Delta R.T.: 0.003 min  
Response: 1647523  
Conc: 18.74 ug/ml



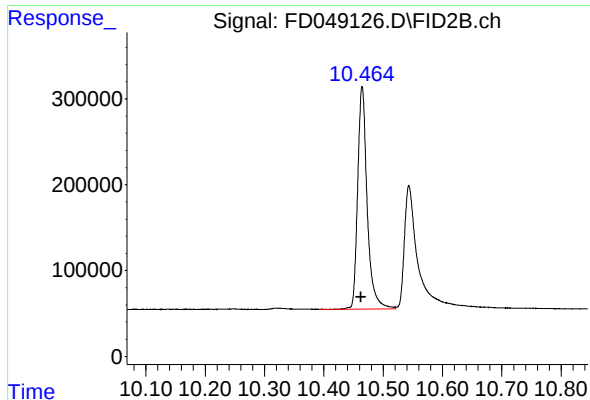
#7 Acenaphthene (C15.5)

R.T.: 8.297 min  
Delta R.T.: 0.000 min  
Response: 3152302  
Conc: 19.16 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.078 min  
Delta R.T.: 0.002 min  
Response: 2966953  
Conc: 18.82 ug/ml



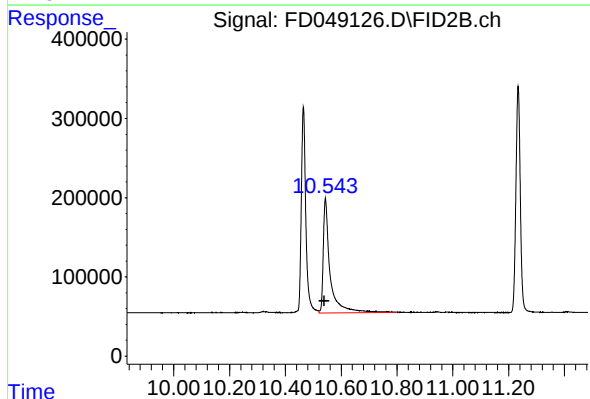
#9 Phenanthrene (C19.36)

R.T.: 10.465 min  
Delta R.T.: 0.002 min  
Response: 2891028  
Conc: 19.18 ug/ml

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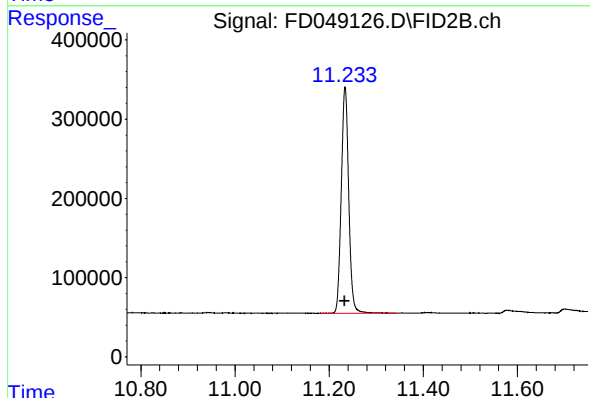
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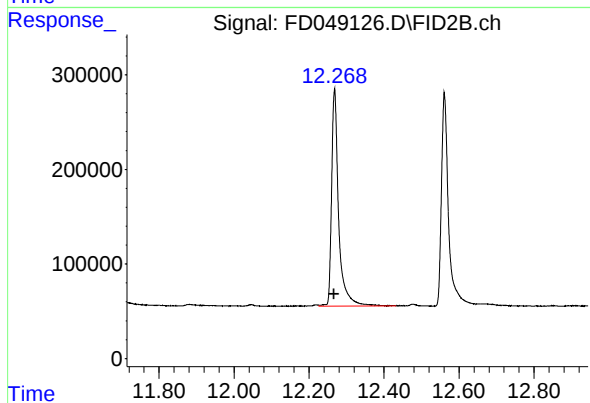
#10 Anthracene (C19.43)

R.T.: 10.543 min  
Delta R.T.: 0.003 min  
Response: 2491145  
Conc: 16.49 ug/ml m



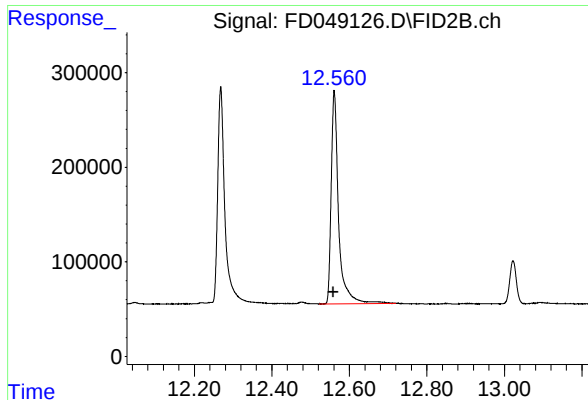
#11 ortho-Terphenyl (SURR)

R.T.: 11.234 min  
Delta R.T.: 0.000 min  
Response: 3139487  
Conc: 19.41 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.268 min  
Delta R.T.: 0.001 min  
Response: 2989893  
Conc: 19.38 ug/ml



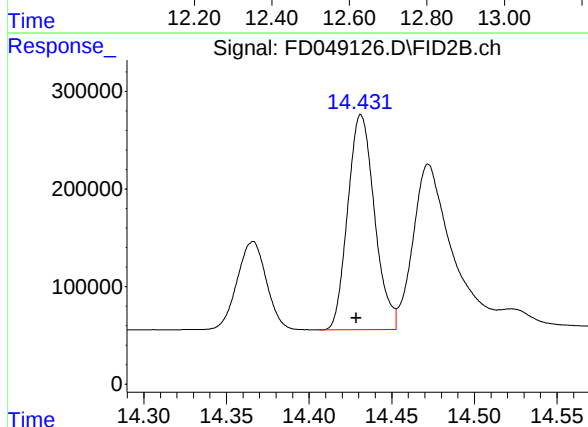
#13 Pyrene (C20.8)

R.T.: 12.561 min  
Delta R.T.: 0.003 min  
Response: 2994413  
Conc: 19.44 ug/ml

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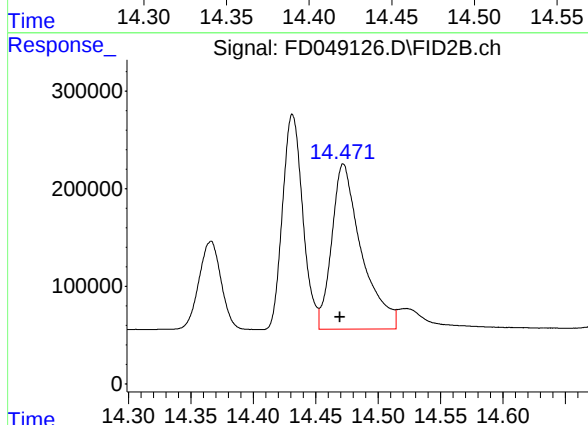
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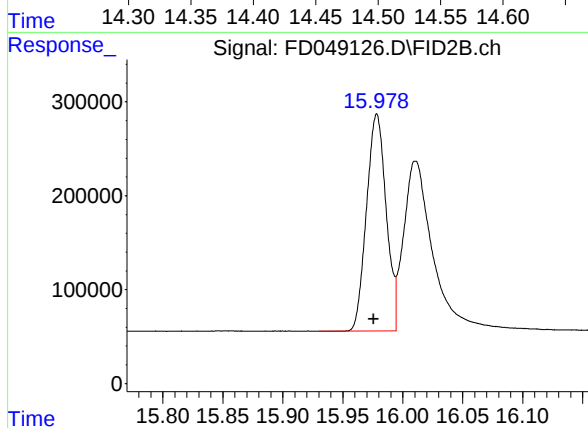
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.431 min  
Delta R.T.: 0.003 min  
Response: 2485881  
Conc: 18.92 ug/ml



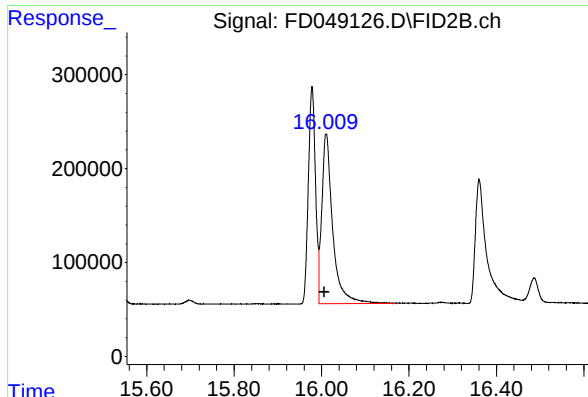
#15 Chrysene (C27.41)

R.T.: 14.472 min  
Delta R.T.: 0.003 min  
Response: 2805670  
Conc: 17.35 ug/ml



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

R.T.: 15.978 min  
Delta R.T.: 0.003 min  
Response: 2629919  
Conc: 19.11 ug/ml



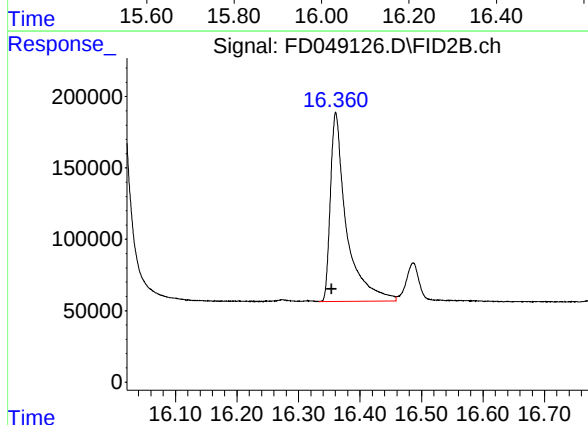
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.011 min  
Delta R.T.: 0.005 min  
Response: 3133545  
Conc: 19.84 ug/ml

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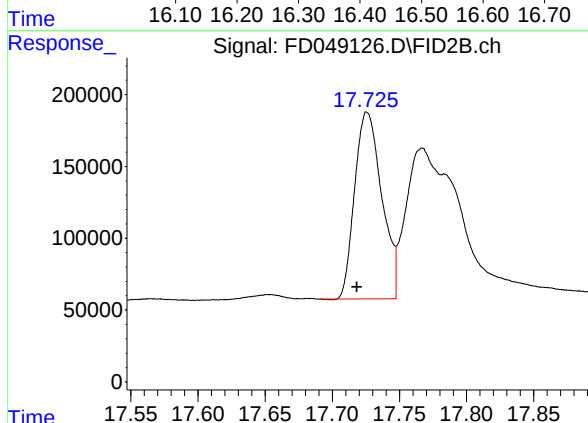
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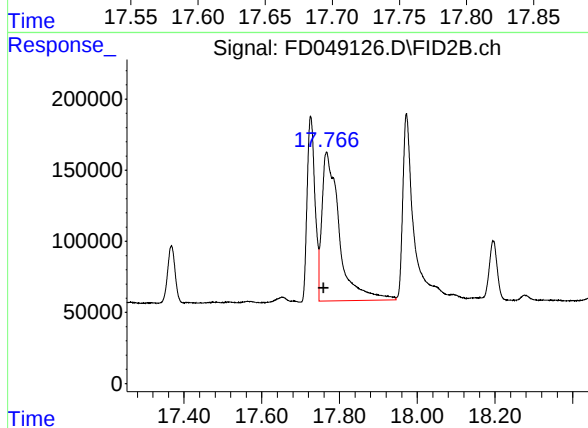
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.361 min  
Delta R.T.: 0.007 min  
Response: 2394319  
Conc: 17.64 ug/ml



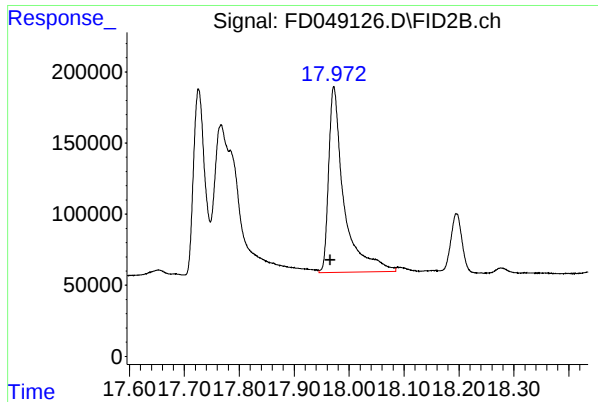
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.726 min  
Delta R.T.: 0.008 min  
Response: 1822082  
Conc: 16.67 ug/ml



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

R.T.: 17.767 min  
Delta R.T.: 0.008 min  
Response: 3259244  
Conc: 21.01 ug/ml



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

R.T.: 17.972 min  
Delta R.T.: 0.006 min  
Response: 2536810  
Conc: 17.50 ug/ml

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