

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD022724AR\  
 Data File : FD047358.D  
 Signal(s) : FID2B.ch  
 Acq On : 28 Feb 2024 01:14  
 Operator : YP/AJ  
 Sample : 20 PPM AROMATIC HC STD  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/28/2024  
 Supervised By :Ankita Jodhani 02/28/2024

Integration File: autoint1.e  
 Quant Time: Feb 28 03:54:34 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 020824.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Feb 08 13:43:49 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...      | 7.463  | 3198363    | 21.008 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.02%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.315  | 2123389    | 21.007 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 42.01%        |
| 11) S ortho-Terphenyl (SURR)       | 11.353 | 3720091    | 21.093 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.19%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.278  | 3287548    | 20.854 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.803  | 3475620    | 20.913 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.851  | 3513205    | 20.832 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.119  | 3215575    | 20.892 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.414  | 3432390    | 20.824 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.192  | 3353093    | 21.149 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.580 | 3224507    | 20.756 ug/mlm |
| 10) T Anthracene (C19.43)          | 10.654 | 2648828    | 17.962 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.383 | 3270766    | 21.125 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.677 | 3139240    | 20.869 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.542 | 2797146    | 20.808 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.583 | 3006542    | 20.532 ug/mlm |
| 16) T benzo[b]fluoranthene ...     | 16.084 | 2883160    | 20.940 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.116 | 2925848    | 21.086 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.459 | 2788742    | 20.600 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.818 | 2670073    | 21.150 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.858 | 2838435    | 21.303 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.069 | 2786191    | 21.013 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 53 Sample Multiplier: 1

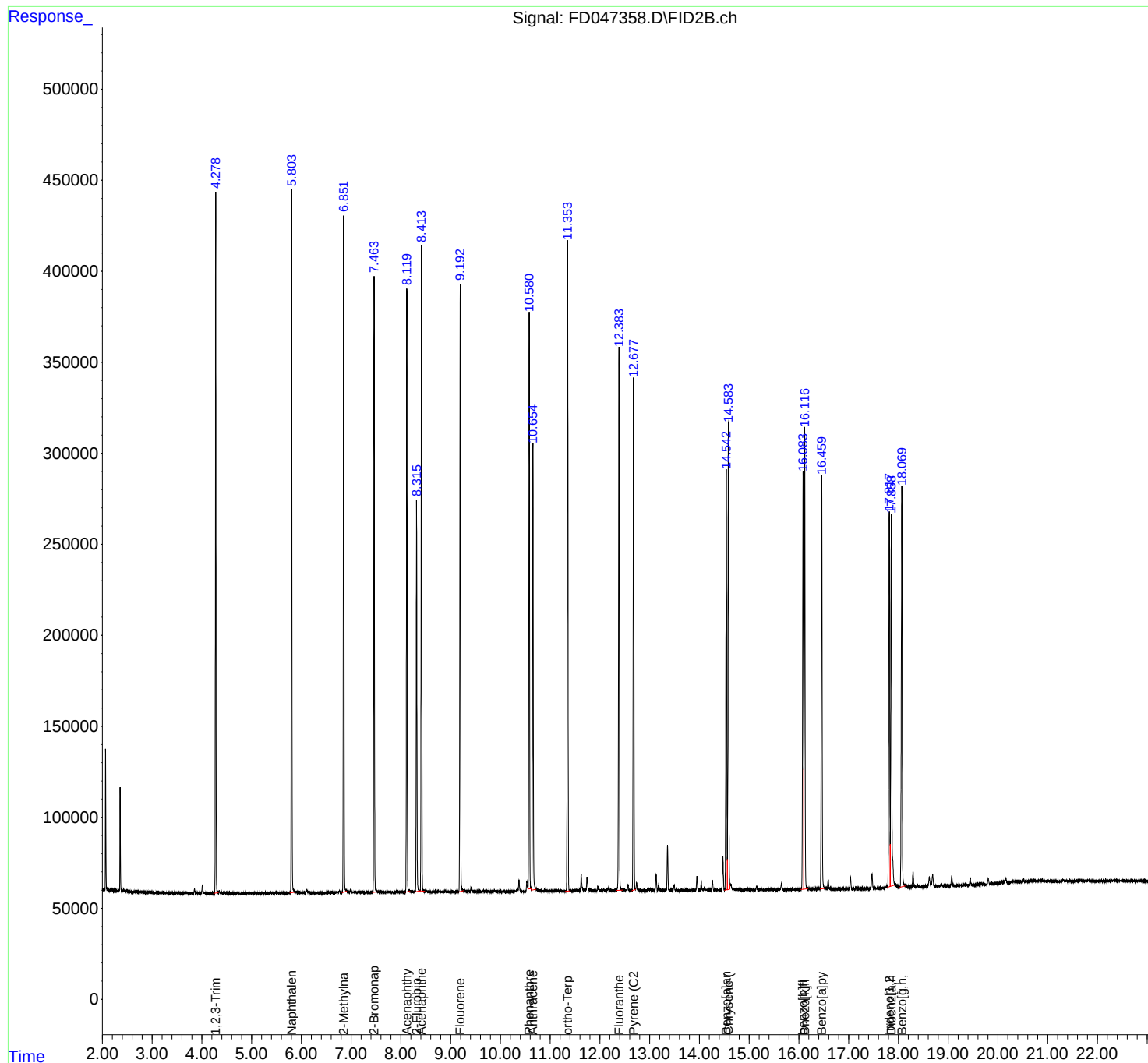
Instrument :  
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20 PPM AROMATIC HC STD

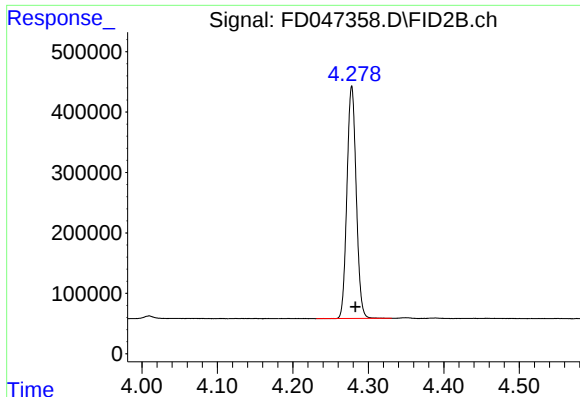
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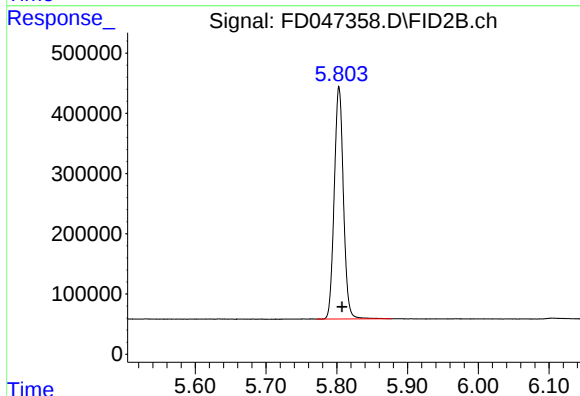
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.278 min  
Delta R.T.: -0.005 min  
Response: 3287548  
Conc: 20.85 ug/ml

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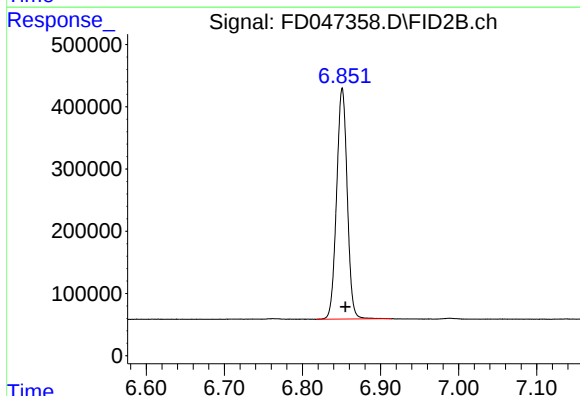
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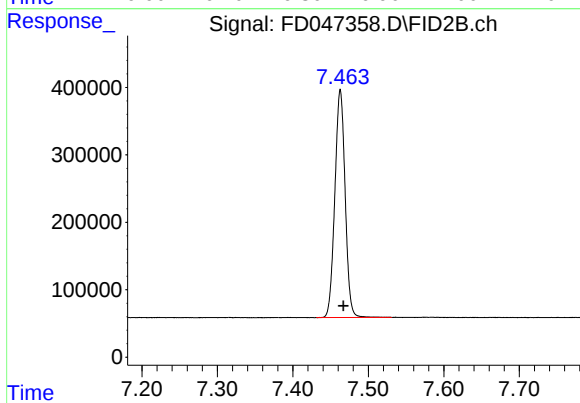
#2 Naphthalene (C11.7)

R.T.: 5.803 min  
Delta R.T.: -0.005 min  
Response: 3475620  
Conc: 20.91 ug/ml



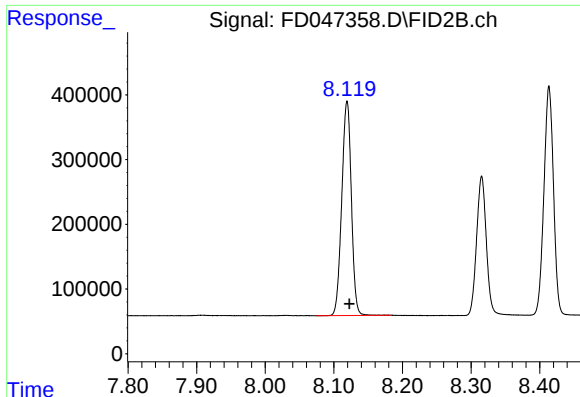
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.851 min  
Delta R.T.: -0.004 min  
Response: 3513205  
Conc: 20.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.463 min  
Delta R.T.: -0.004 min  
Response: 3198363  
Conc: 21.01 ug/ml



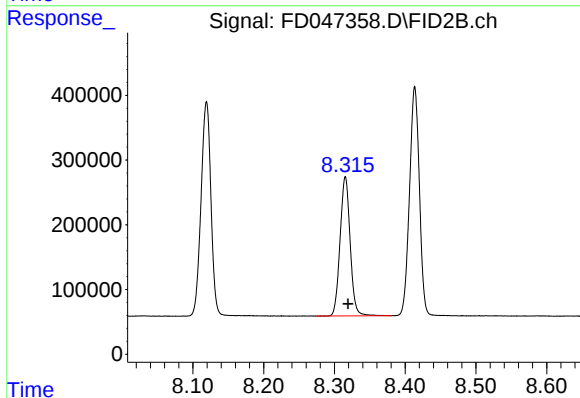
#5 Acenaphthylene (C15.06)

R.T.: 8.119 min  
Delta R.T.: -0.004 min  
Response: 3215575  
Conc: 20.89 ug/ml

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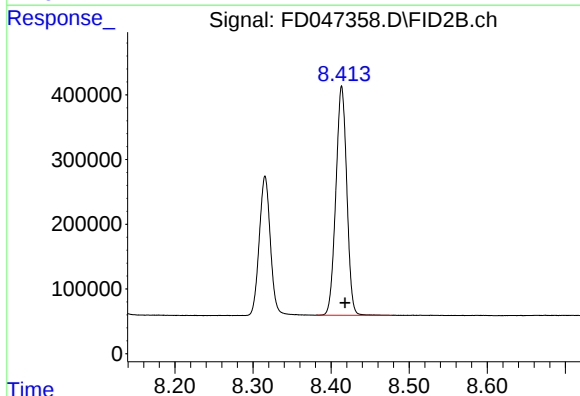
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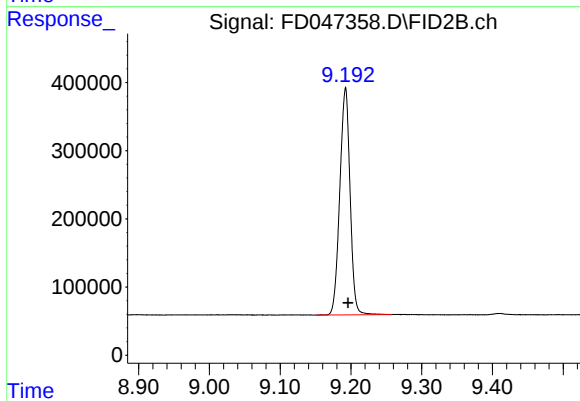
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.315 min  
Delta R.T.: -0.004 min  
Response: 2123389  
Conc: 21.01 ug/ml



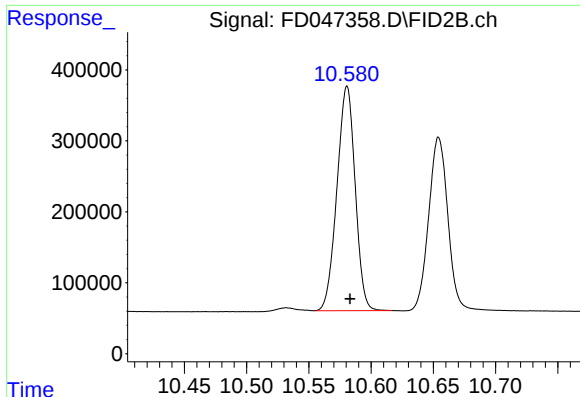
#7 Acenaphthene (C15.5)

R.T.: 8.414 min  
Delta R.T.: -0.004 min  
Response: 3432390  
Conc: 20.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.192 min  
Delta R.T.: -0.004 min  
Response: 3353093  
Conc: 21.15 ug/ml



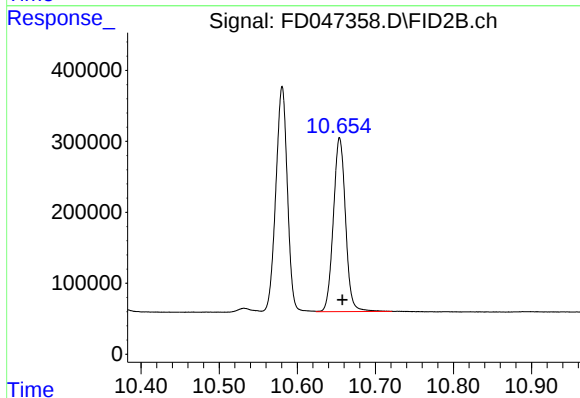
#9 Phenanthrene (C19.36)

R.T.: 10.580 min  
Delta R.T.: -0.003 min  
Response: 3224507  
Conc: 20.76 ug/ml

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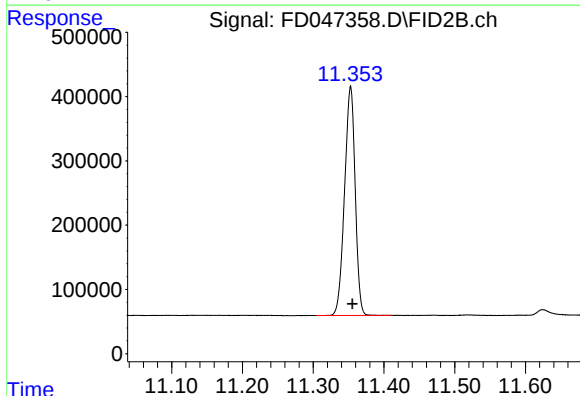
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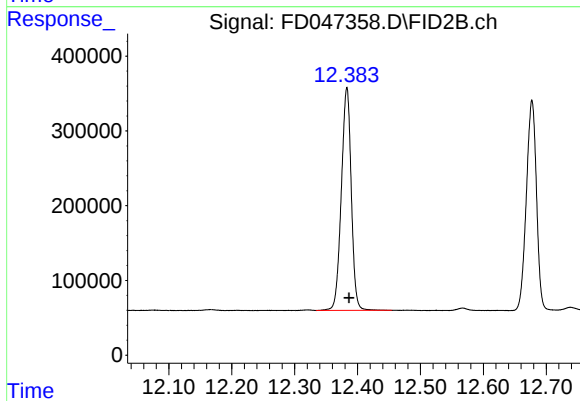
#10 Anthracene (C19.43)

R.T.: 10.654 min  
Delta R.T.: -0.003 min  
Response: 2648828  
Conc: 17.96 ug/ml



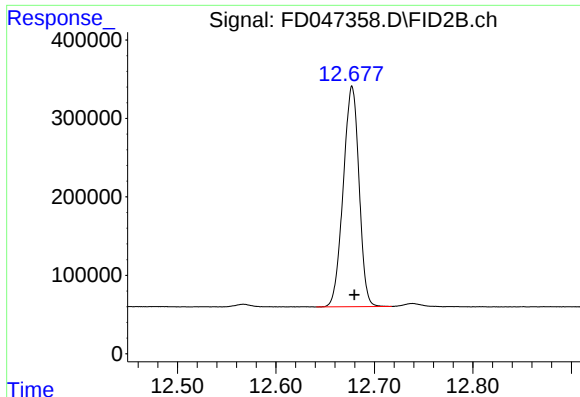
#11 ortho-Terphenyl (SURR)

R.T.: 11.353 min  
Delta R.T.: -0.003 min  
Response: 3720091  
Conc: 21.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min  
Delta R.T.: -0.003 min  
Response: 3270766  
Conc: 21.12 ug/ml



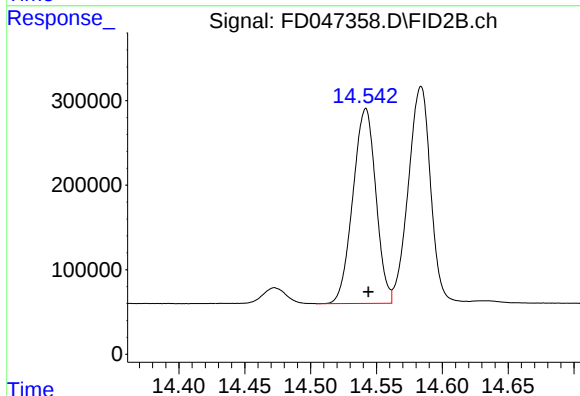
#13 Pyrene (C20.8)

R.T.: 12.677 min  
Delta R.T.: -0.003 min  
Response: 3139240  
Conc: 20.87 ug/ml

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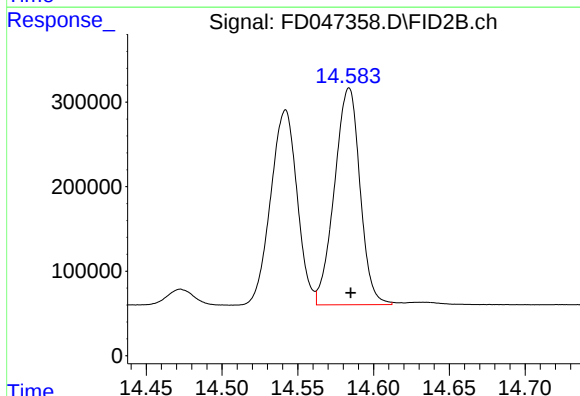
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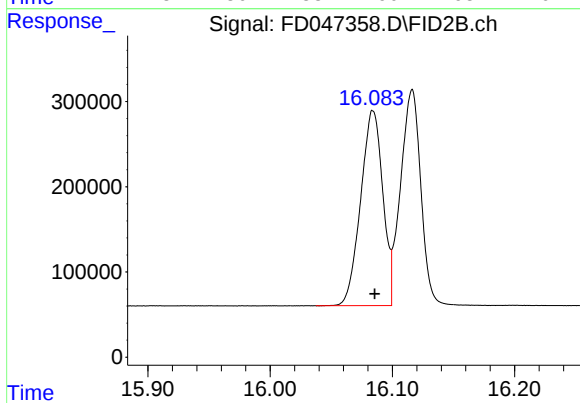
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.542 min  
Delta R.T.: -0.002 min  
Response: 2797146  
Conc: 20.81 ug/ml



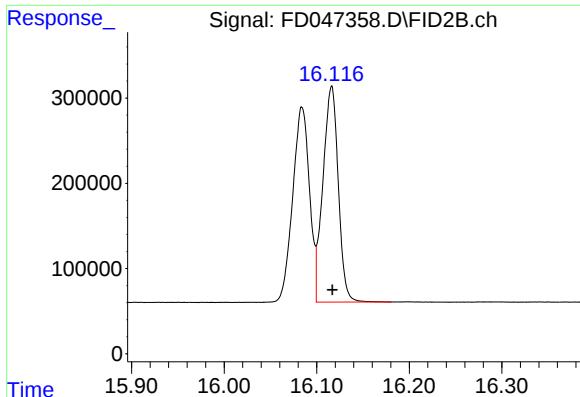
#15 Chrysene (C27.41)

R.T.: 14.583 min  
Delta R.T.: -0.002 min  
Response: 3006542  
Conc: 20.53 ug/ml m



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

R.T.: 16.084 min  
Delta R.T.: -0.002 min  
Response: 2883160  
Conc: 20.94 ug/ml



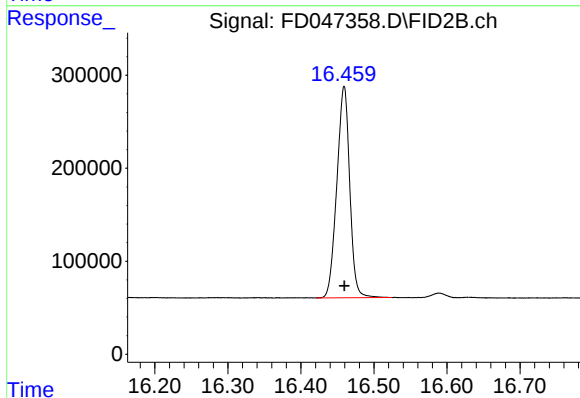
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.116 min  
Delta R.T.: 0.000 min  
Response: 2925848  
Conc: 21.09 ug/ml

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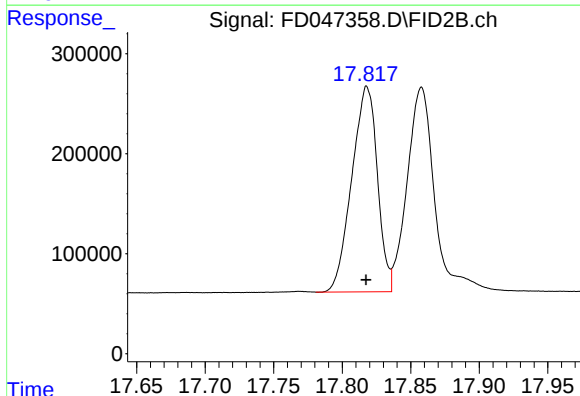
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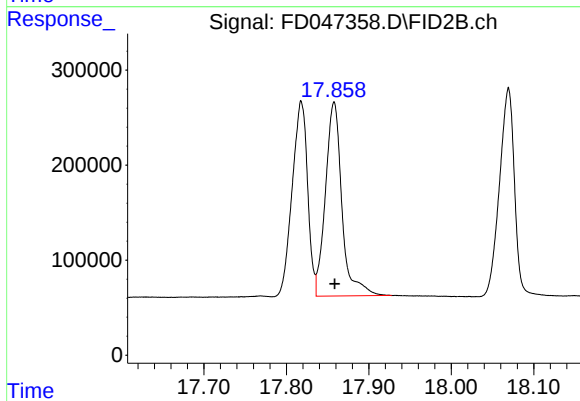
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.459 min  
Delta R.T.: 0.000 min  
Response: 2788742  
Conc: 20.60 ug/ml



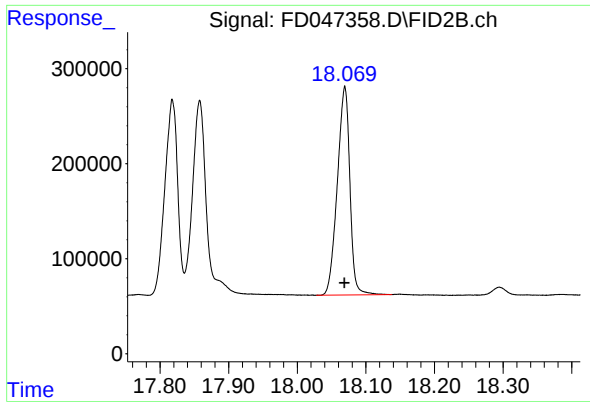
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.818 min  
Delta R.T.: 0.000 min  
Response: 2670073  
Conc: 21.15 ug/ml



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

R.T.: 17.858 min  
Delta R.T.: -0.001 min  
Response: 2838435  
Conc: 21.30 ug/ml



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

R.T.: 18.069 min  
Delta R.T.: 0.000 min  
Response: 2786191  
Conc: 21.01 ug/ml

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