

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD030124AR\  
 Data File : FD047367.D  
 Signal(s) : FID2B.ch  
 Acq On : 01 Mar 2024 09:08  
 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 03/04/2024  
 Supervised By :mohammad ahmed 03/04/2024

Integration File: autoint1.e  
 Quant Time: Mar 01 23:44:18 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...      | 7.460  | 3145436    | 20.661 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 41.32%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.312  | 2047842    | 20.260 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 40.52%        |
| 11) S ortho-Terphenyl (SURR)       | 11.348 | 3543702    | 20.092 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.18%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.276  | 3377771    | 21.426 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.801  | 3485409    | 20.972 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.848  | 3475300    | 20.608 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.116  | 3136292    | 20.377 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.410  | 3339127    | 20.258 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.188  | 3219722    | 20.308 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.576 | 3092001    | 19.903 ug/mlm |
| 10) T Anthracene (C19.43)          | 10.650 | 2331906    | 15.813 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.378 | 3050665    | 19.703 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.672 | 2935680    | 19.516 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.536 | 2554561    | 19.004 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.577 | 2773327    | 18.939 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.077 | 2650068    | 19.247 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.109 | 2668660    | 19.232 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.452 | 2590631    | 19.136 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.809 | 2431464    | 19.260 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.850 | 2519760    | 18.911 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.060 | 2556233    | 19.279 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

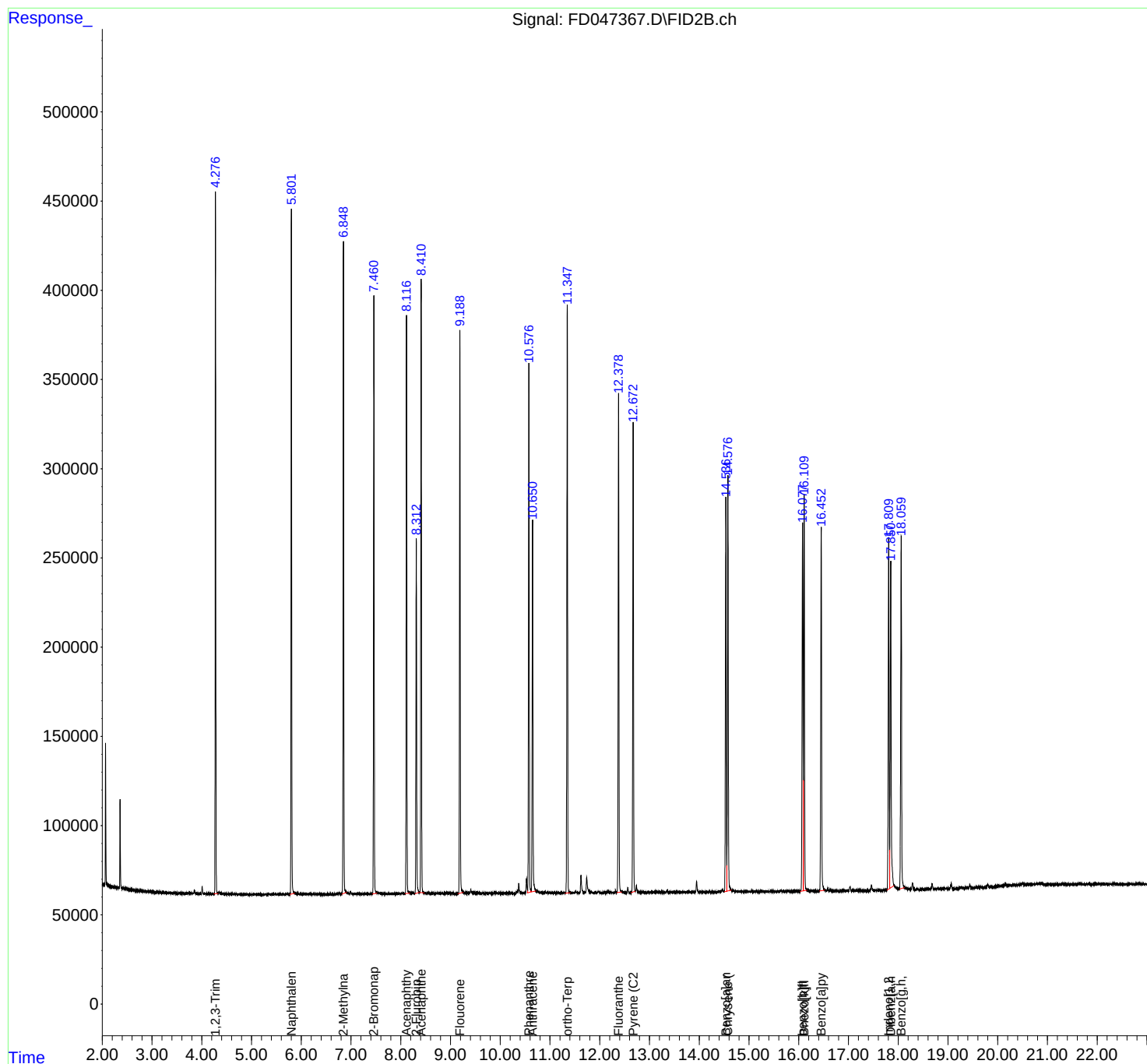
Instrument :  
FID\_D  
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20 PPM AROMATIC HC STD

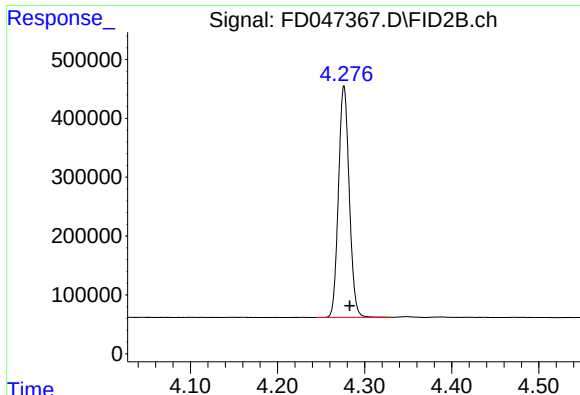
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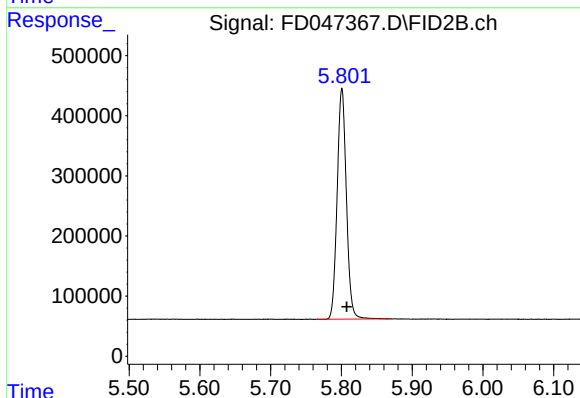
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.276 min  
Delta R.T.: -0.007 min  
Response: 3377771  
Conc: 21.43 ug/ml

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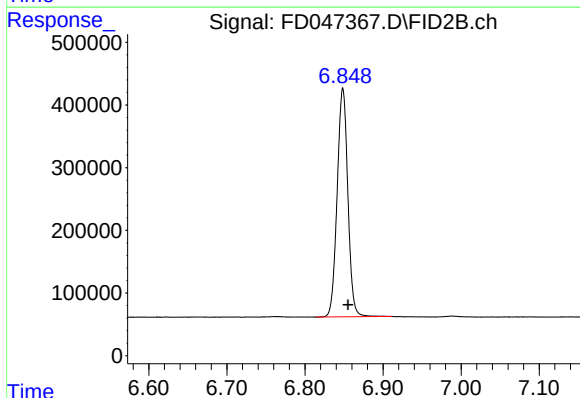
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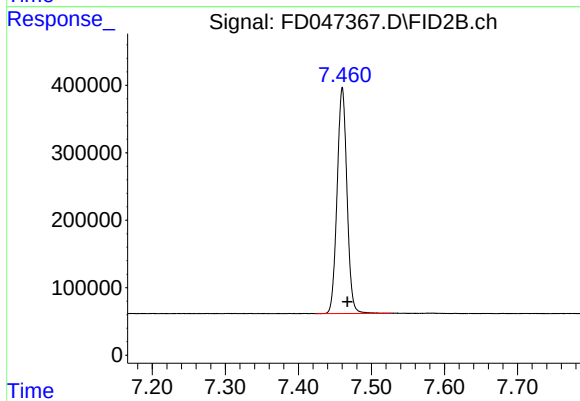
#2 Naphthalene (C11.7)

R.T.: 5.801 min  
Delta R.T.: -0.007 min  
Response: 3485409  
Conc: 20.97 ug/ml



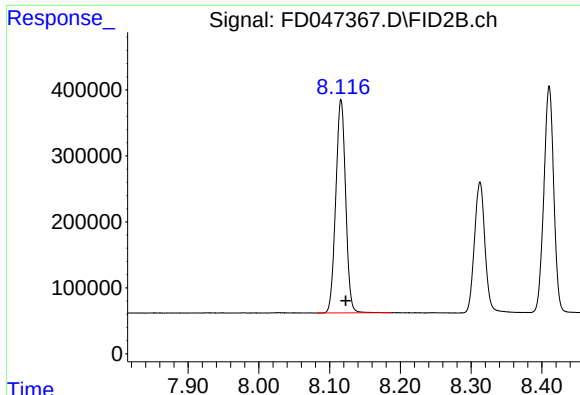
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.848 min  
Delta R.T.: -0.007 min  
Response: 3475300  
Conc: 20.61 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.460 min  
Delta R.T.: -0.007 min  
Response: 3145436  
Conc: 20.66 ug/ml



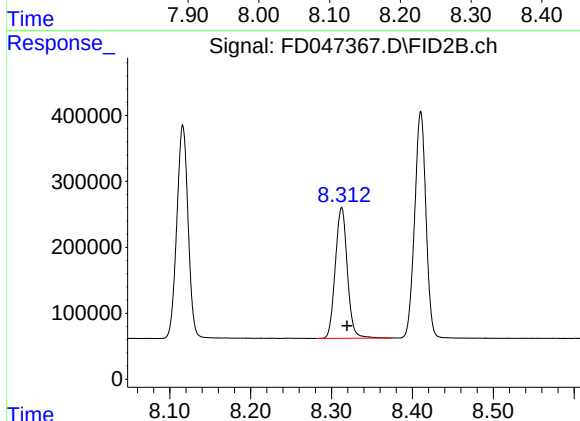
#5 Acenaphthylene (C15.06)

R.T.: 8.116 min  
Delta R.T.: -0.007 min  
Response: 3136292  
Conc: 20.38 ug/ml

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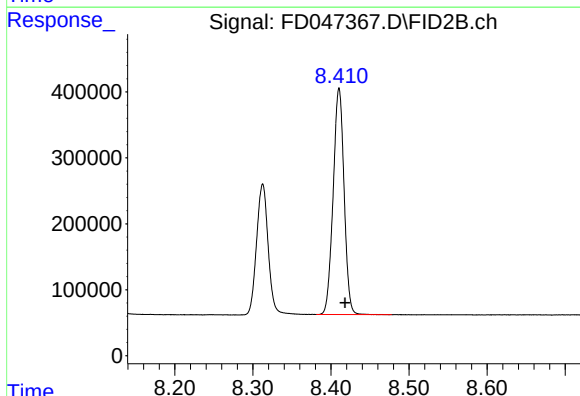
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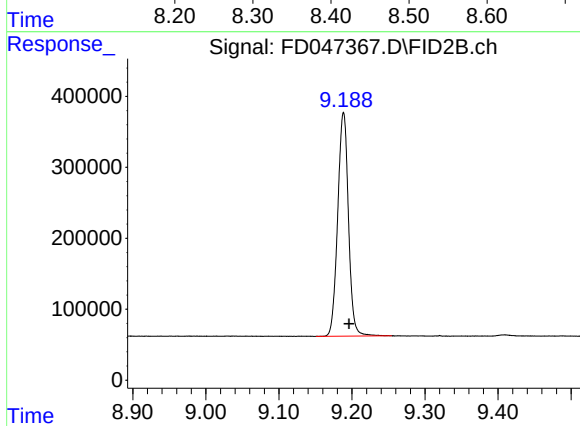
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.312 min  
Delta R.T.: -0.007 min  
Response: 2047842  
Conc: 20.26 ug/ml



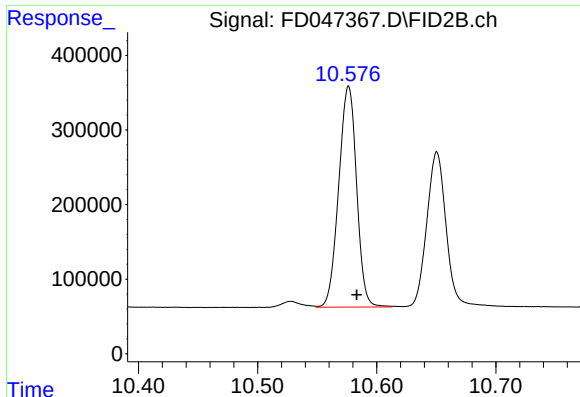
#7 Acenaphthene (C15.5)

R.T.: 8.410 min  
Delta R.T.: -0.008 min  
Response: 3339127  
Conc: 20.26 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.188 min  
Delta R.T.: -0.007 min  
Response: 3219722  
Conc: 20.31 ug/ml



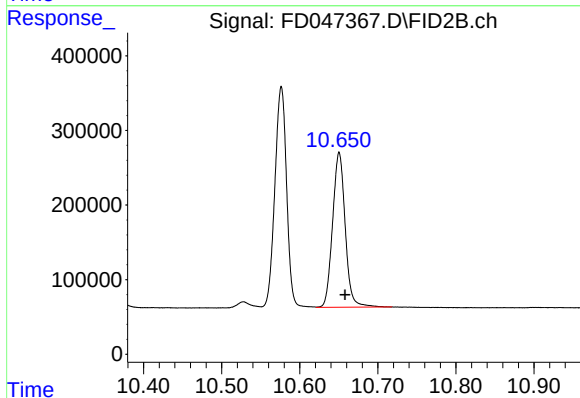
#9 Phenanthrene (C19.36)

R.T.: 10.576 min  
Delta R.T.: -0.007 min  
Response: 3092001  
Conc: 19.90 ug/ml

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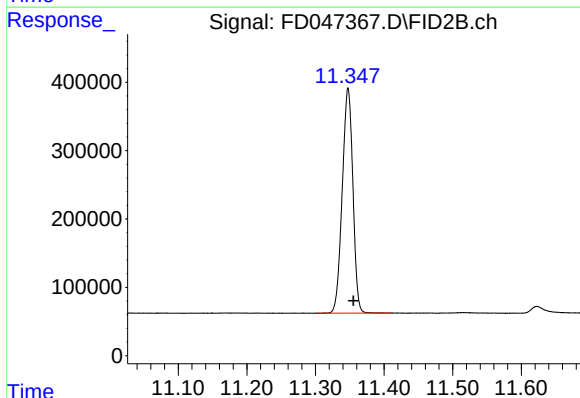
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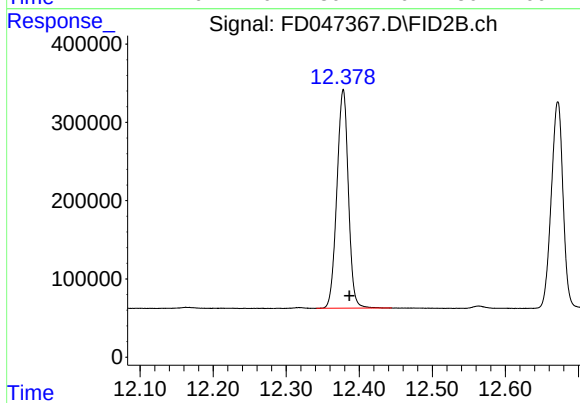
#10 Anthracene (C19.43)

R.T.: 10.650 min  
Delta R.T.: -0.007 min  
Response: 2331906  
Conc: 15.81 ug/ml



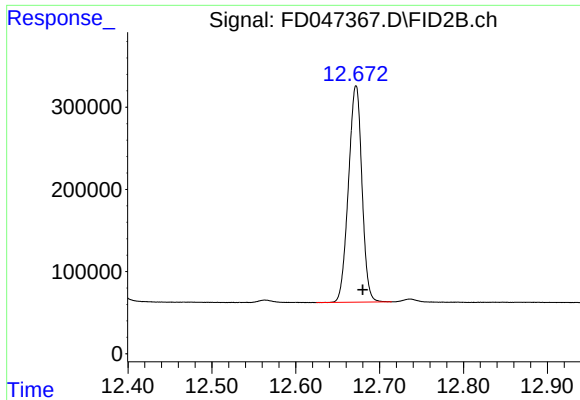
#11 ortho-Terphenyl (SURR)

R.T.: 11.348 min  
Delta R.T.: -0.008 min  
Response: 3543702  
Conc: 20.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.378 min  
Delta R.T.: -0.008 min  
Response: 3050665  
Conc: 19.70 ug/ml



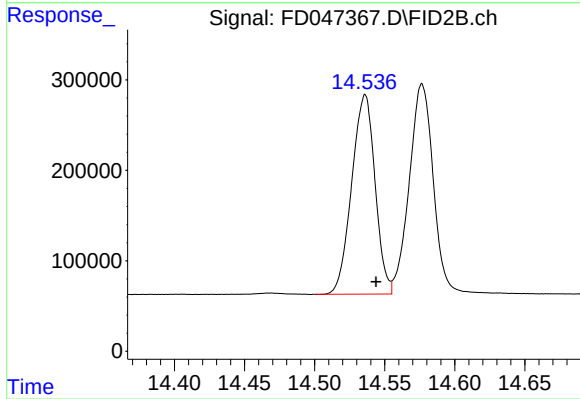
#13 Pyrene (C20.8)

R.T.: 12.672 min  
Delta R.T.: -0.008 min  
Response: 2935680  
Conc: 19.52 ug/ml

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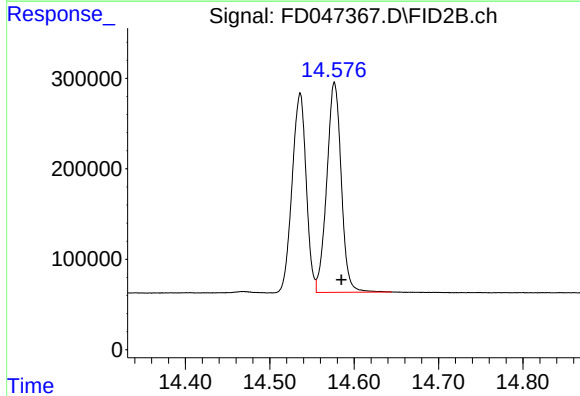
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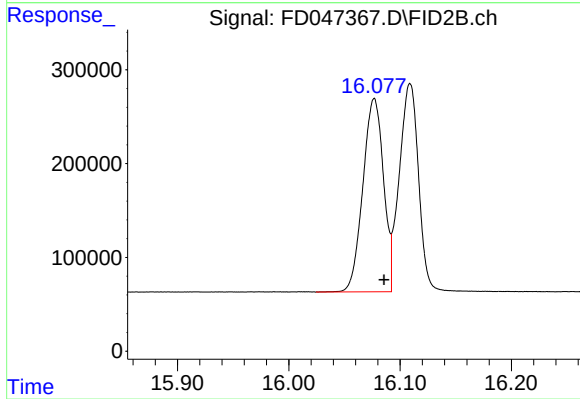
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.536 min  
Delta R.T.: -0.008 min  
Response: 2554561  
Conc: 19.00 ug/ml



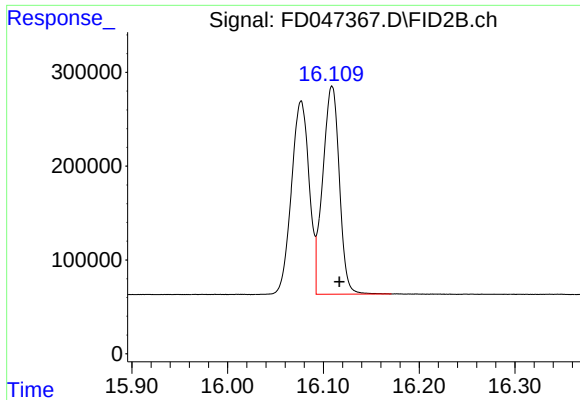
#15 Chrysene (C27.41)

R.T.: 14.577 min  
Delta R.T.: -0.008 min  
Response: 2773327  
Conc: 18.94 ug/ml



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

R.T.: 16.077 min  
Delta R.T.: -0.009 min  
Response: 2650068  
Conc: 19.25 ug/ml



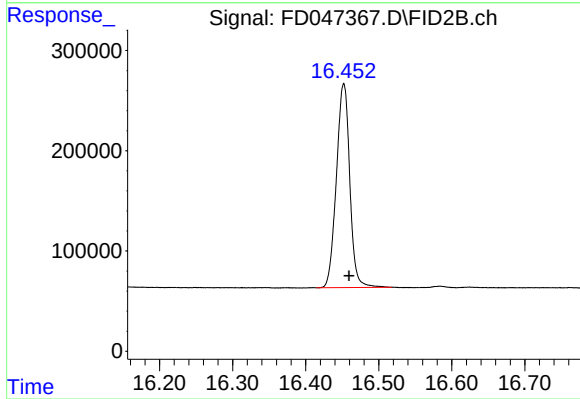
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.109 min  
Delta R.T.: -0.008 min  
Response: 2668660  
Conc: 19.23 ug/ml

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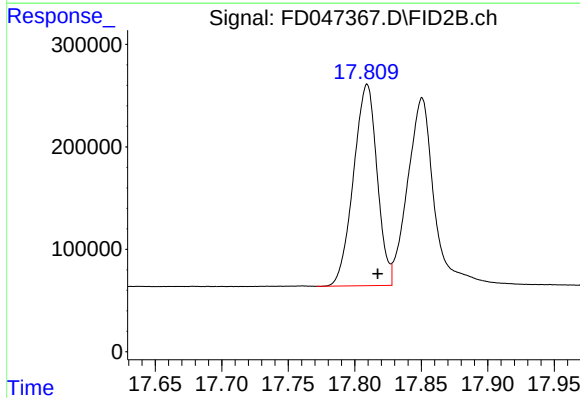
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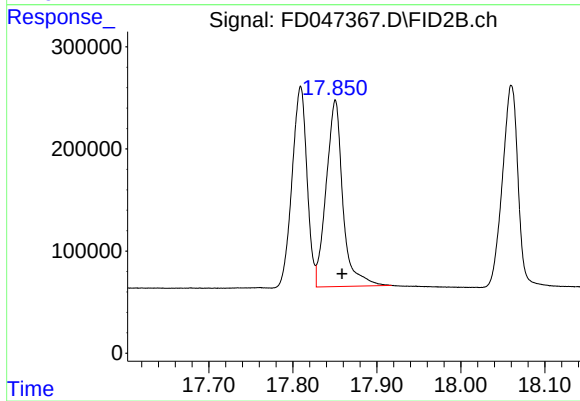
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.452 min  
Delta R.T.: -0.008 min  
Response: 2590631  
Conc: 19.14 ug/ml



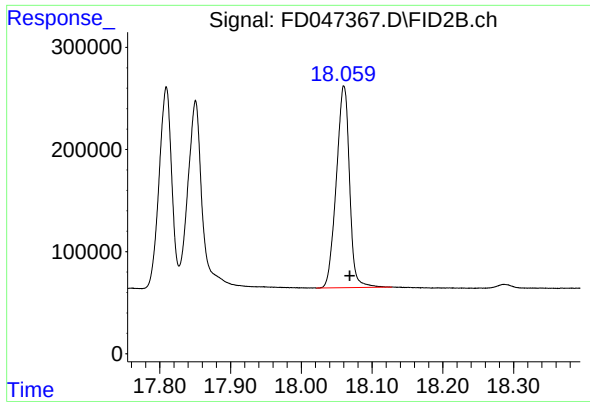
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.809 min  
Delta R.T.: -0.008 min  
Response: 2431464  
Conc: 19.26 ug/ml



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

R.T.: 17.850 min  
Delta R.T.: -0.008 min  
Response: 2519760  
Conc: 18.91 ug/ml



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

R.T.: 18.060 min  
Delta R.T.: -0.009 min  
Response: 2556233  
Conc: 19.28 ug/ml

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