

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD022323AR\  
 Data File : FD045158.D  
 Signal(s) : FID2B.ch  
 Acq On : 24 Feb 2023 12:48  
 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 02/27/2023  
 Supervised By :Ankita Jodhani 02/27/2023

Integration File: autoint1.e  
 Quant Time: Feb 25 03:01:01 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 022123.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Feb 22 04:55:52 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...      | 7.553  | 2754983    | 20.541 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 41.08%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.408  | 1840151    | 20.533 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 41.07%        |
| 11) S ortho-Terphenyl (SURR)       | 11.448 | 3379255    | 20.092 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.18%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.363  | 3075611    | 20.544 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.893  | 3232251    | 20.587 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.942  | 3225901    | 20.619 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.212  | 2917967    | 20.436 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.507  | 3091803    | 20.503 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.286  | 3009312    | 20.416 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.677 | 2901865    | 20.046 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.750 | 2641723    | 19.512 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.481 | 2855336    | 19.921 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.777 | 2767236    | 19.762 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.641 | 2513958    | 19.761 ug/mlm |
| 15) T Chrysene (C27.41)            | 14.683 | 2602762    | 19.657 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.183 | 2537458    | 19.348 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 16.216 | 2573914    | 19.848 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.559 | 2536311    | 19.760 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.917 | 2477558    | 19.725 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 17.958 | 2492780    | 20.381 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.169 | 2532833    | 19.964 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

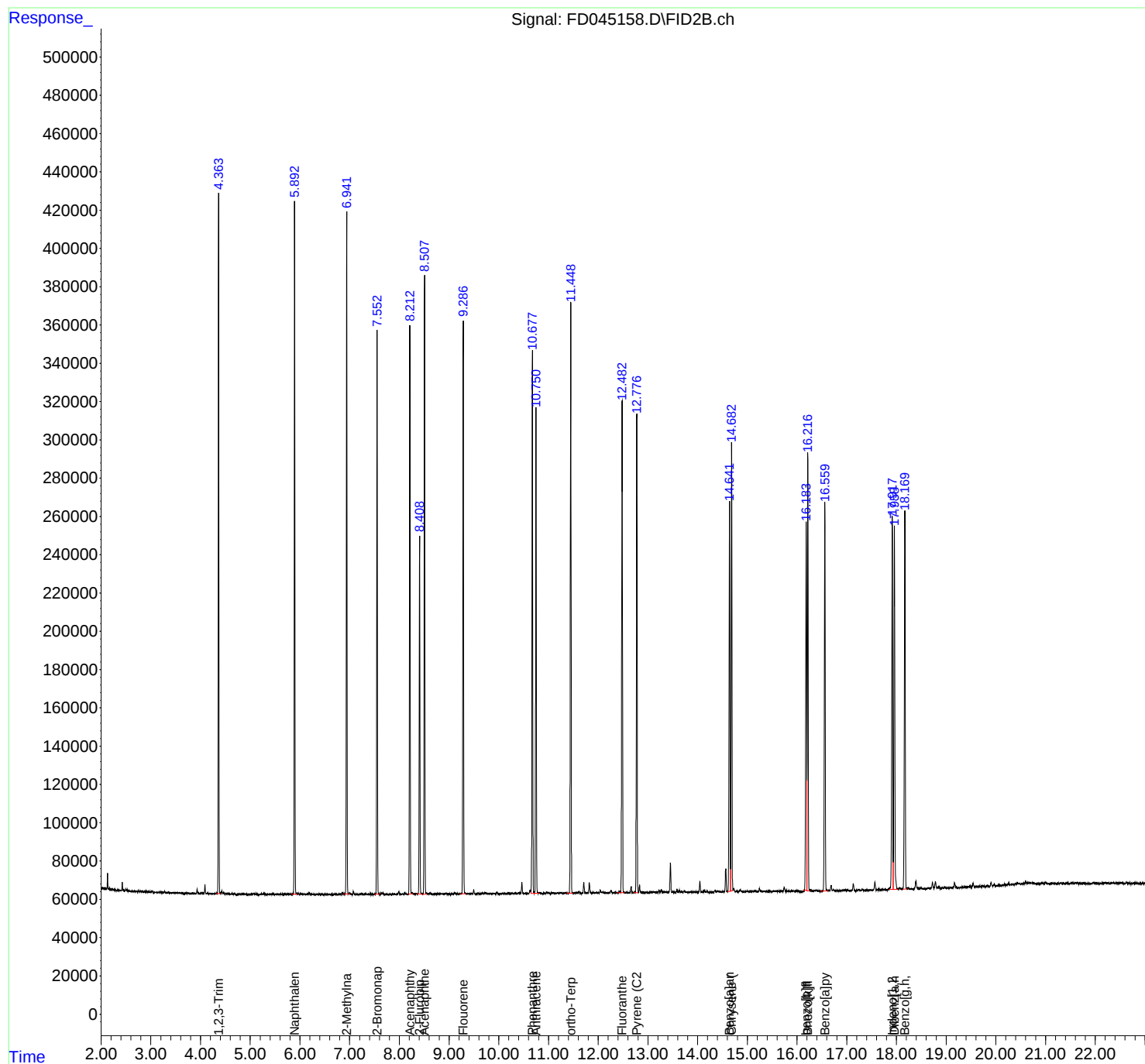
Instrument :  
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20 PPM AROMATIC HC STD

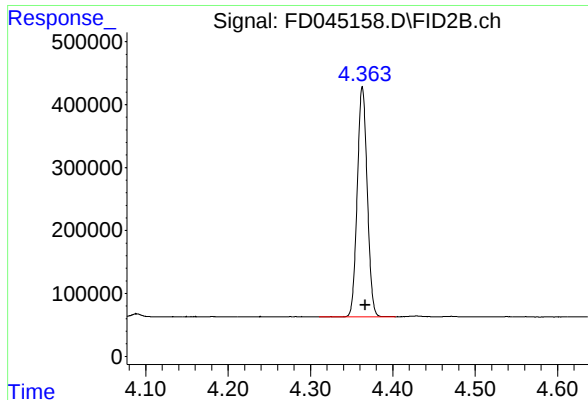
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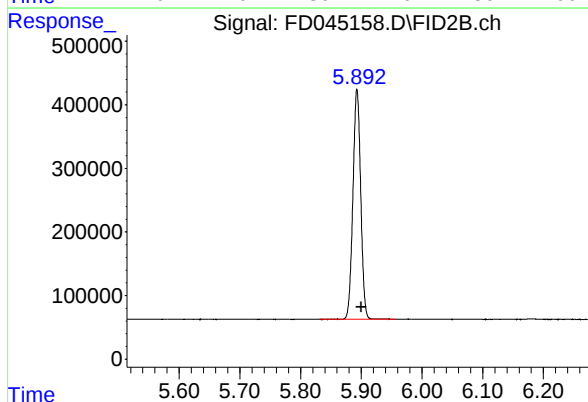
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.363 min  
Delta R.T.: -0.004 min  
Response: 3075611  
Conc: 20.54 ug/ml

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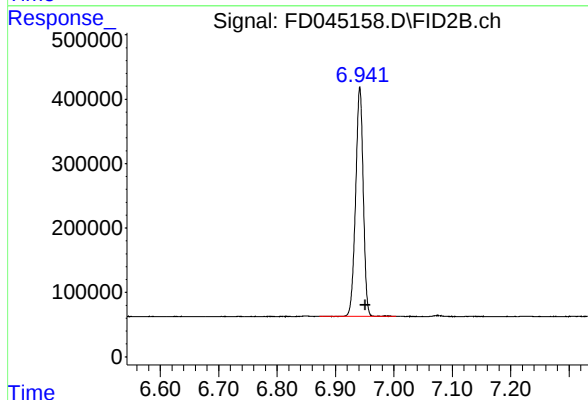
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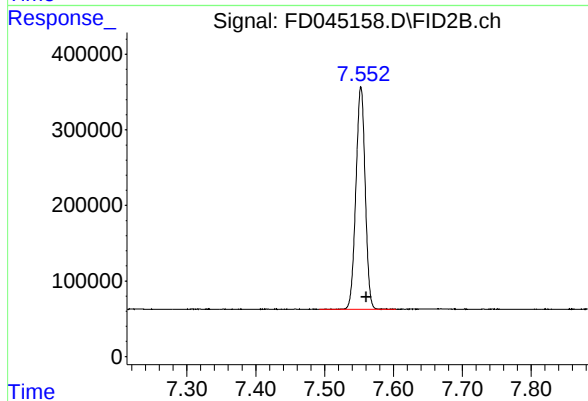
#2 Naphthalene (C11.7)

R.T.: 5.893 min  
Delta R.T.: -0.007 min  
Response: 3232251  
Conc: 20.59 ug/ml



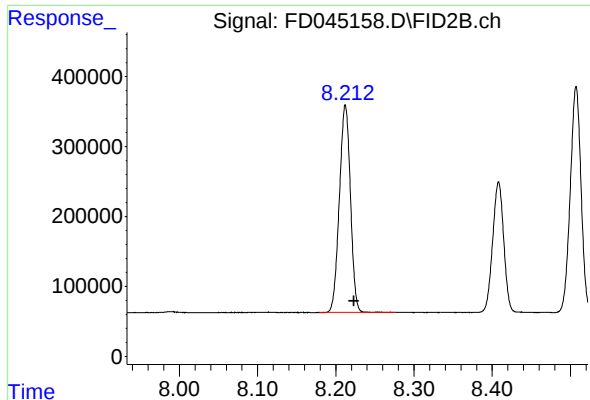
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.942 min  
Delta R.T.: -0.009 min  
Response: 3225901  
Conc: 20.62 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.553 min  
Delta R.T.: -0.008 min  
Response: 2754983  
Conc: 20.54 ug/ml



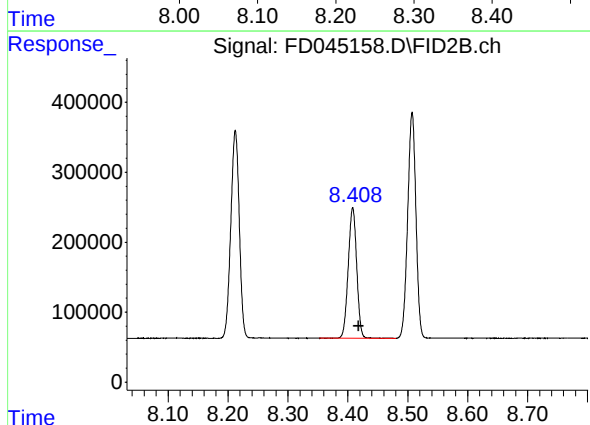
#5 Acenaphthylene (C15.06)

R.T.: 8.212 min  
Delta R.T.: -0.011 min  
Response: 2917967  
Conc: 20.44 ug/ml

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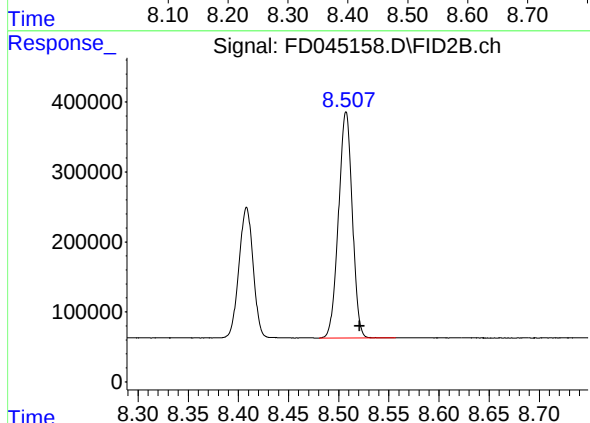
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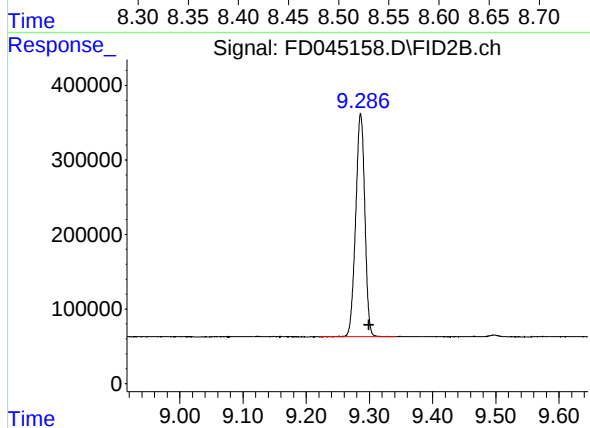
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.408 min  
Delta R.T.: -0.010 min  
Response: 1840151  
Conc: 20.53 ug/ml



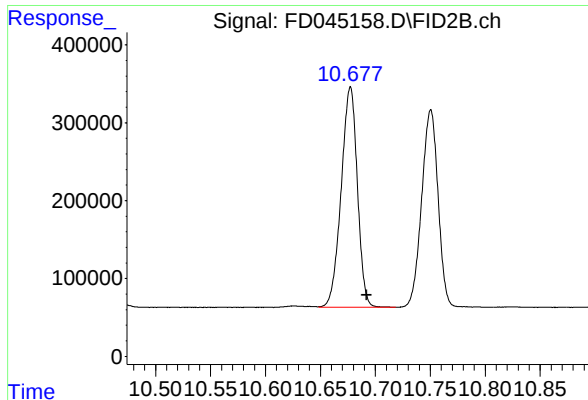
#7 Acenaphthene (C15.5)

R.T.: 8.507 min  
Delta R.T.: -0.014 min  
Response: 3091803  
Conc: 20.50 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.286 min  
Delta R.T.: -0.013 min  
Response: 3009312  
Conc: 20.42 ug/ml



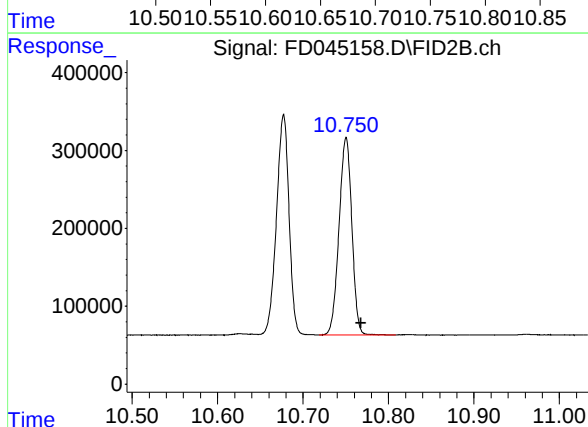
#9 Phenanthrene (C19.36)

R.T.: 10.677 min  
Delta R.T.: -0.015 min  
Response: 2901865  
Conc: 20.05 ug/ml

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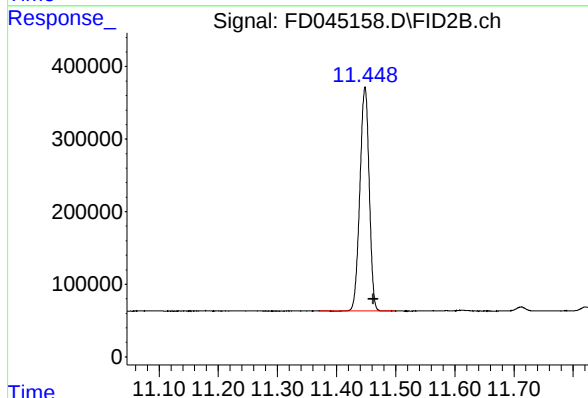
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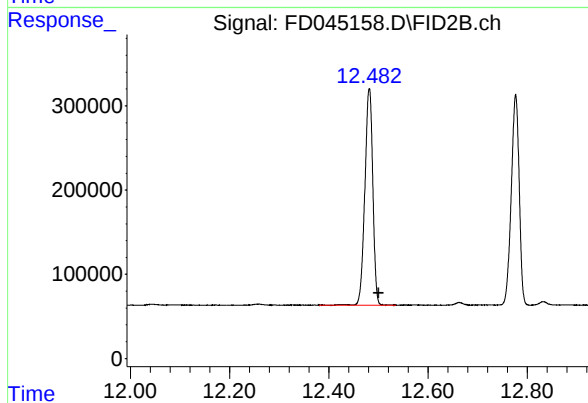
#10 Anthracene (C19.43)

R.T.: 10.750 min  
Delta R.T.: -0.017 min  
Response: 2641723  
Conc: 19.51 ug/ml



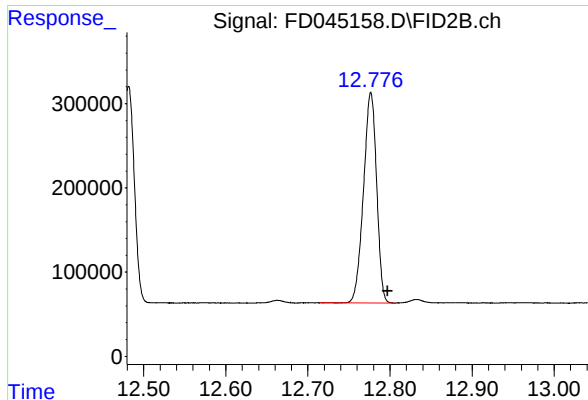
#11 ortho-Terphenyl (SURR)

R.T.: 11.448 min  
Delta R.T.: -0.014 min  
Response: 3379255  
Conc: 20.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.481 min  
Delta R.T.: -0.019 min  
Response: 2855336  
Conc: 19.92 ug/ml



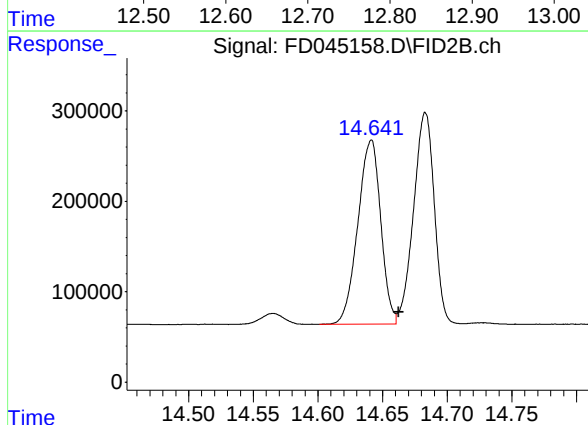
#13 Pyrene (C20.8)

R.T.: 12.777 min  
Delta R.T.: -0.020 min  
Response: 2767236  
Conc: 19.76 ug/ml

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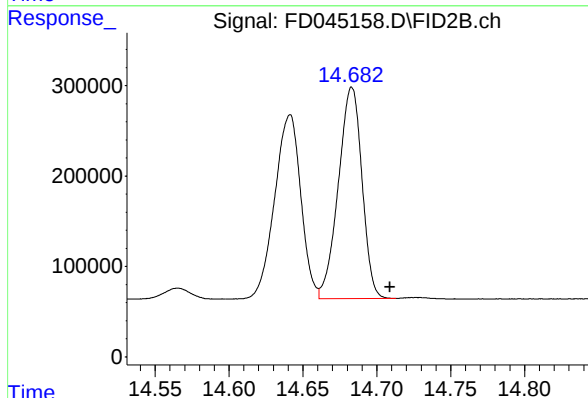
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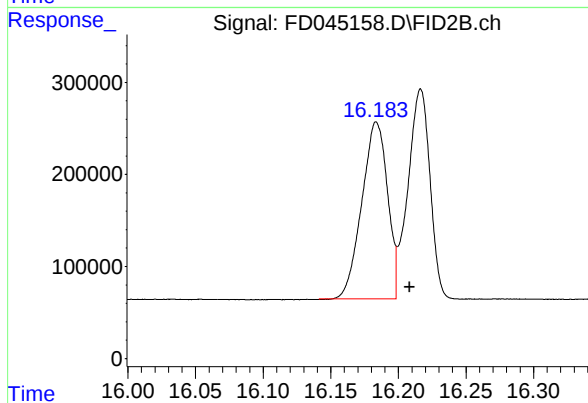
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.641 min  
Delta R.T.: -0.021 min  
Response: 2513958  
Conc: 19.76 ug/ml m



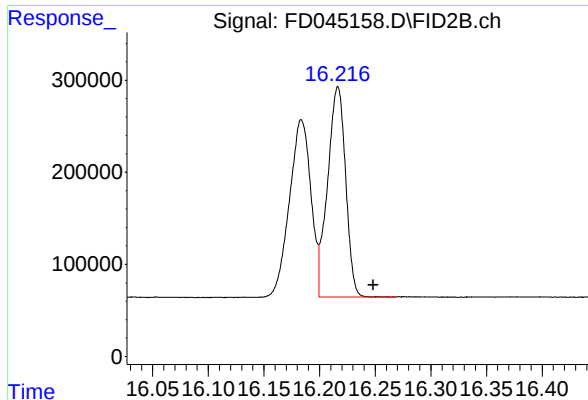
#15 Chrysene (C27.41)

R.T.: 14.683 min  
Delta R.T.: -0.026 min  
Response: 2602762  
Conc: 19.66 ug/ml



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

R.T.: 16.183 min  
Delta R.T.: -0.025 min  
Response: 2537458  
Conc: 19.35 ug/ml m



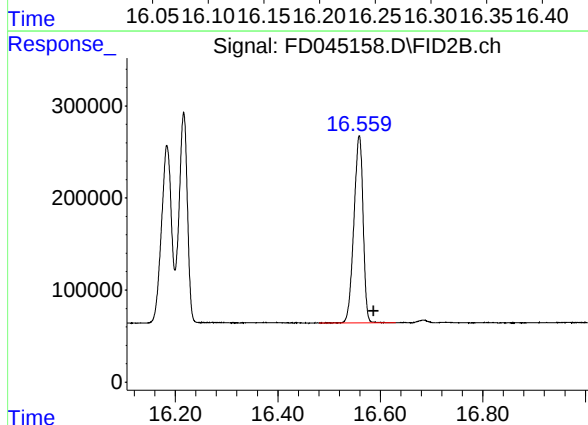
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.216 min  
Delta R.T.: -0.032 min  
Response: 2573914  
Conc: 19.85 ug/ml

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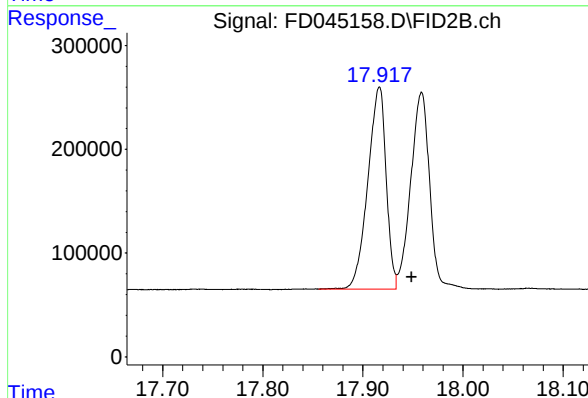
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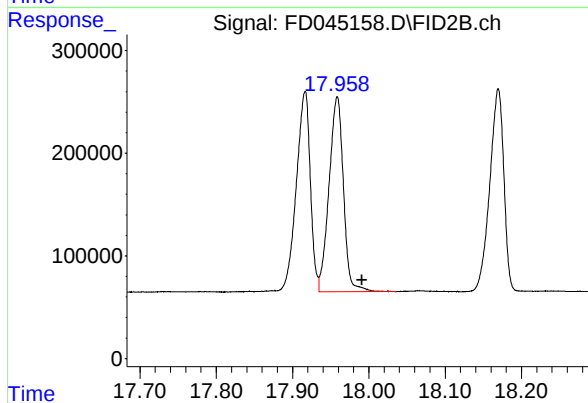
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.559 min  
Delta R.T.: -0.029 min  
Response: 2536311  
Conc: 19.76 ug/ml



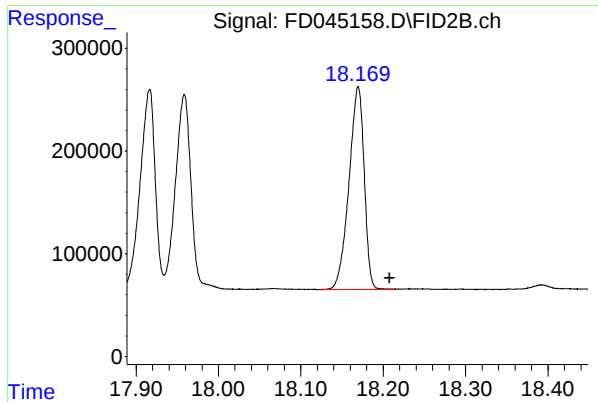
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.917 min  
Delta R.T.: -0.032 min  
Response: 2477558  
Conc: 19.72 ug/ml m



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

R.T.: 17.958 min  
Delta R.T.: -0.033 min  
Response: 2492780  
Conc: 20.38 ug/ml



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

R.T.: 18.169 min  
Delta R.T.: -0.039 min  
Response: 2532833  
Conc: 19.96 ug/ml

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