

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD050522AR\  
 Data File : FD042305.D  
 Signal(s) : FID2B.CH  
 Acq On : 05 May 2022 11:39  
 Operator : UA/NP  
 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 05/06/2022  
 Supervised By :mohammad ahmed 05/09/2022

Integration File: sample.E  
 Quant Time: May 06 00:58:32 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 21 17:32:22 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...      | 7.338  | 3150085    | 22.474 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 44.95%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.189  | 1775549    | 24.919 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 49.84%        |
| 11) S ortho-Terphenyl (SURR)       | 11.211 | 3587045    | 20.695 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 41.39%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.161  | 3642204    | 23.395 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.681  | 3580403    | 22.697 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.727  | 3097493    | 21.420 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 7.988  | 3525964    | 21.395 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.280  | 3834185    | 20.422 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.059  | 3394030    | 22.283 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.444 | 3137025    | 21.126 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.520 | 3241305    | 19.361 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.246 | 3173720    | 20.233 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.539 | 3205712    | 19.654 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.409 | 2658278    | 22.223 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.449 | 3442327    | 18.763 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 15.955 | 2917594    | 22.221 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 15.986 | 3230655    | 18.687 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 16.334 | 2956312    | 20.037 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.699 | 2483231    | 24.879 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 17.736 | 3470693    | 22.112 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 17.948 | 3022483    | 21.825 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : UA/NP  
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Misc :  
ALS Vial : 52 Sample Multiplier: 1

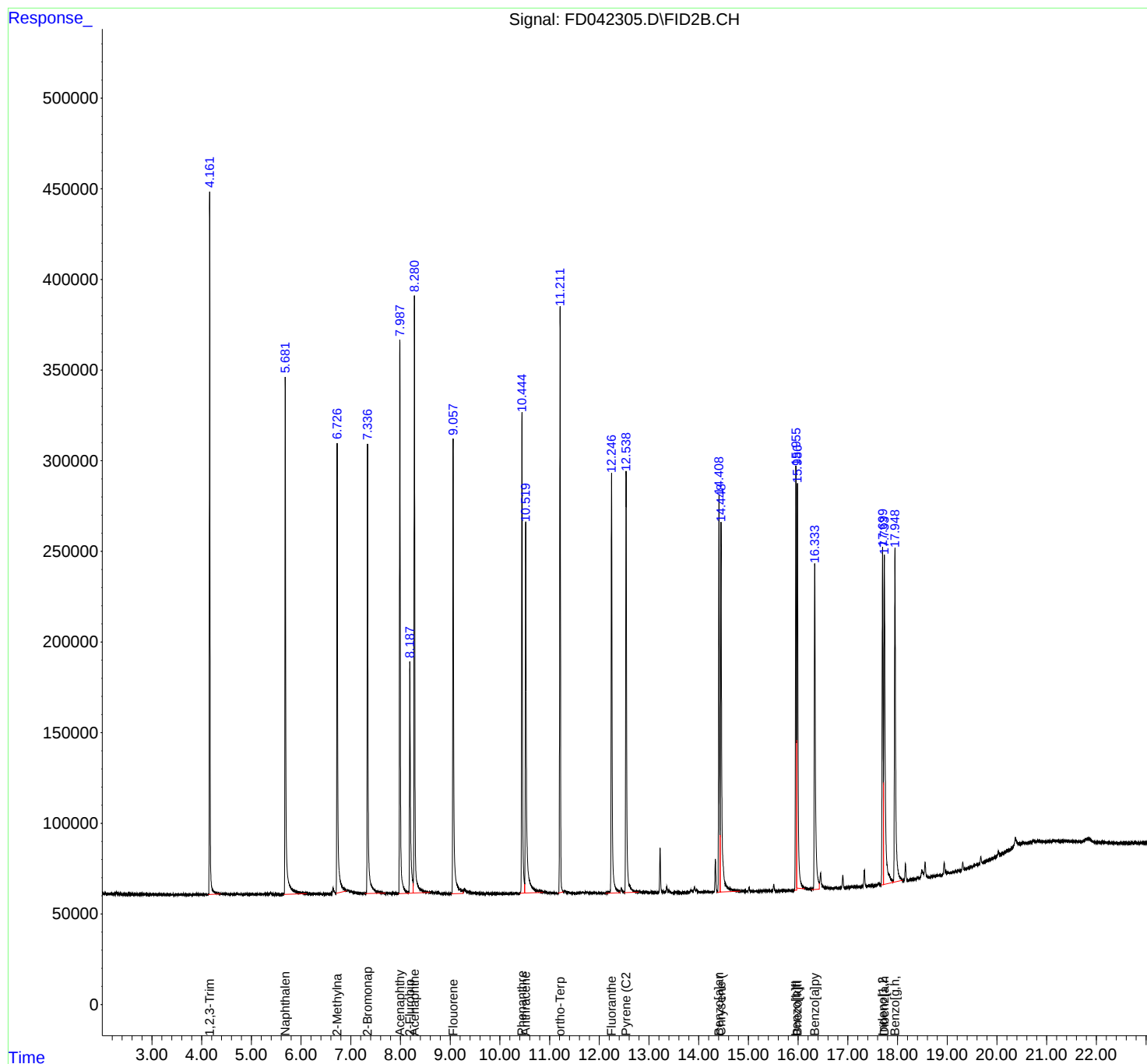
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM AROMATIC HC STD

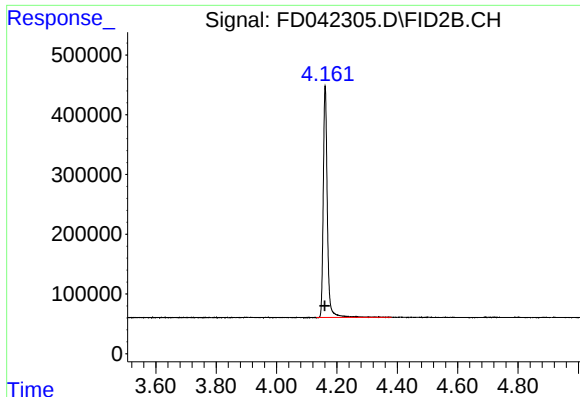
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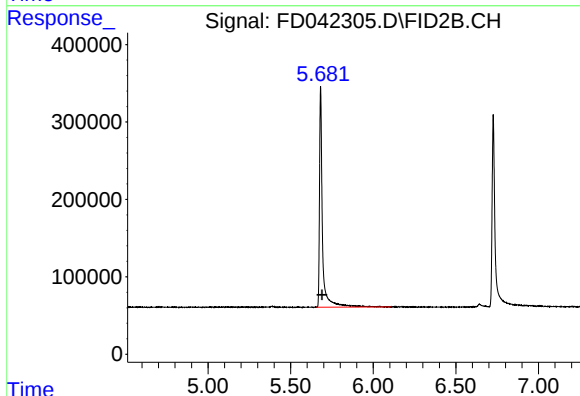
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.161 min  
Delta R.T.: 0.001 min  
Response: 3642204  
Conc: 23.40 ug/ml

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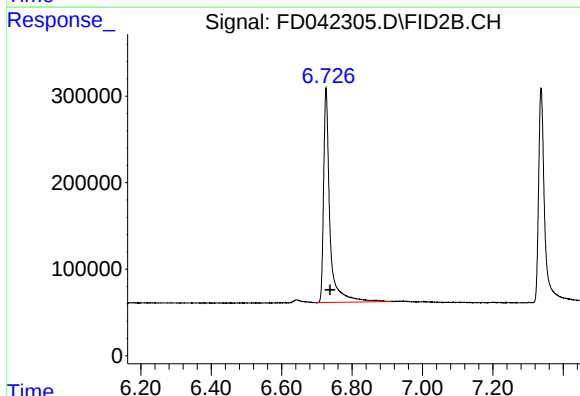
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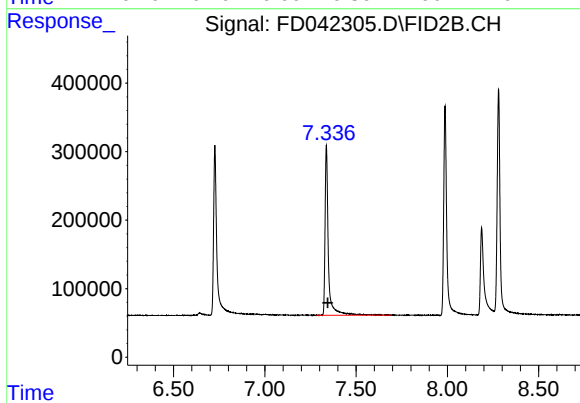
#2 Naphthalene (C11.7)

R.T.: 5.681 min  
Delta R.T.: -0.009 min  
Response: 3580403  
Conc: 22.70 ug/ml



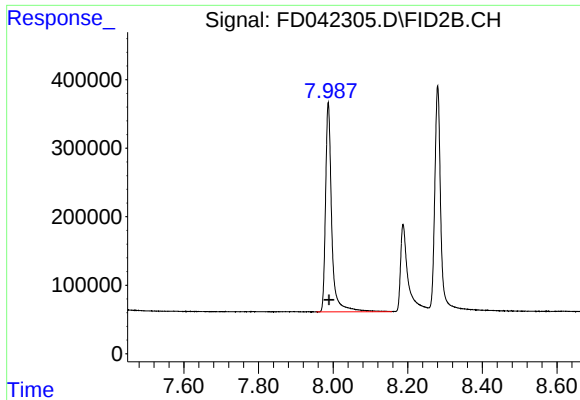
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.727 min  
Delta R.T.: -0.011 min  
Response: 3097493  
Conc: 21.42 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.338 min  
Delta R.T.: -0.007 min  
Response: 3150085  
Conc: 22.47 ug/ml



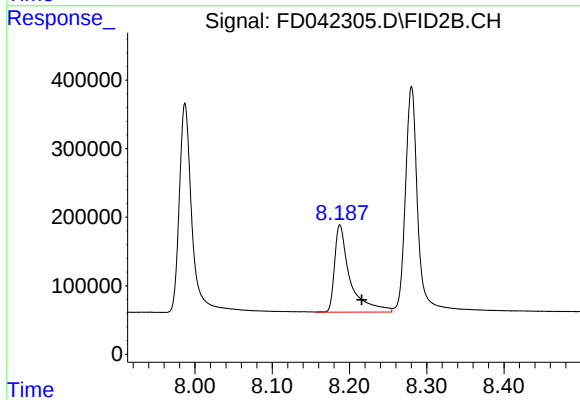
#5 Acenaphthylene (C15.06)

R.T.: 7.988 min  
Delta R.T.: -0.002 min  
Response: 3525964  
Conc: 21.40 ug/ml

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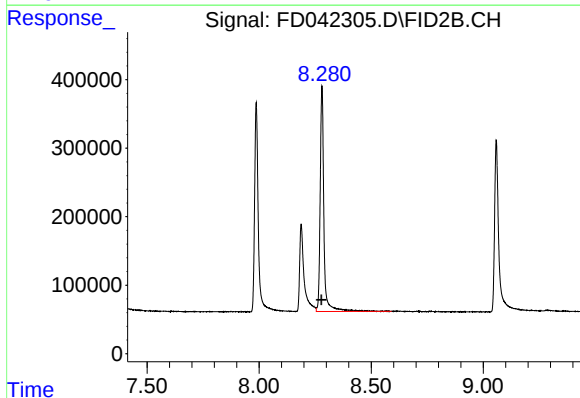
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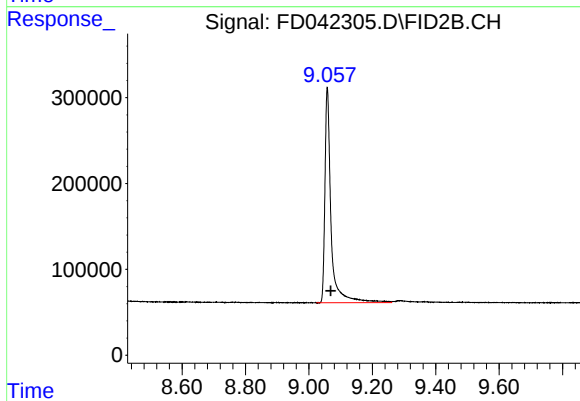
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.189 min  
Delta R.T.: -0.027 min  
Response: 1775549  
Conc: 24.92 ug/ml



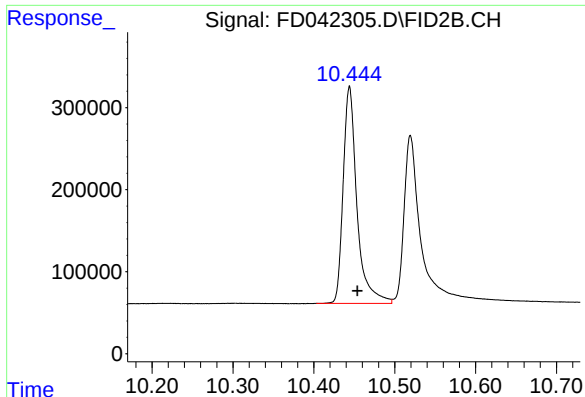
#7 Acenaphthene (C15.5)

R.T.: 8.280 min  
Delta R.T.: 0.002 min  
Response: 3834185  
Conc: 20.42 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.059 min  
Delta R.T.: -0.011 min  
Response: 3394030  
Conc: 22.28 ug/ml



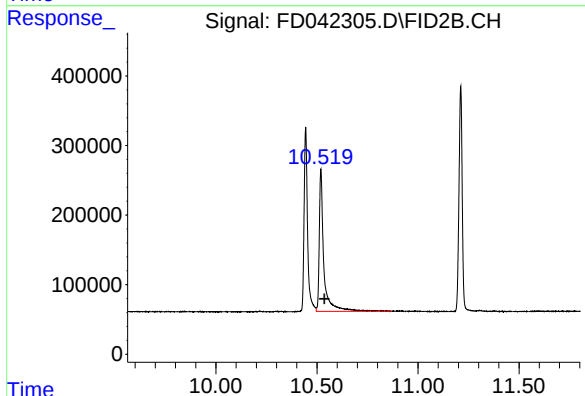
#9 Phenanthrene (C19.36)

R.T.: 10.444 min  
Delta R.T.: -0.010 min  
Response: 3137025  
Conc: 21.13 ug/ml

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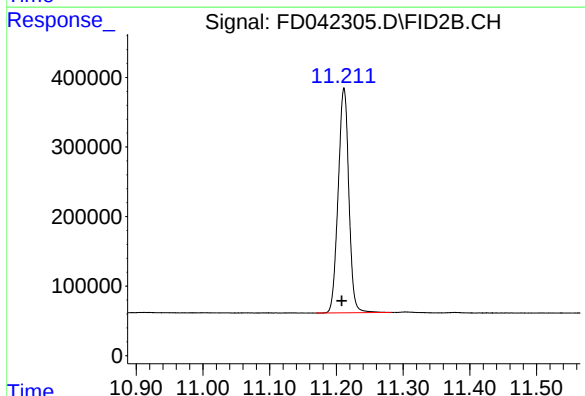
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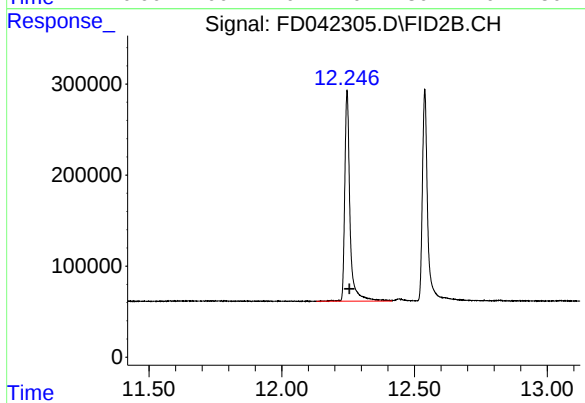
#10 Anthracene (C19.43)

R.T.: 10.520 min  
Delta R.T.: -0.016 min  
Response: 3241305  
Conc: 19.36 ug/ml



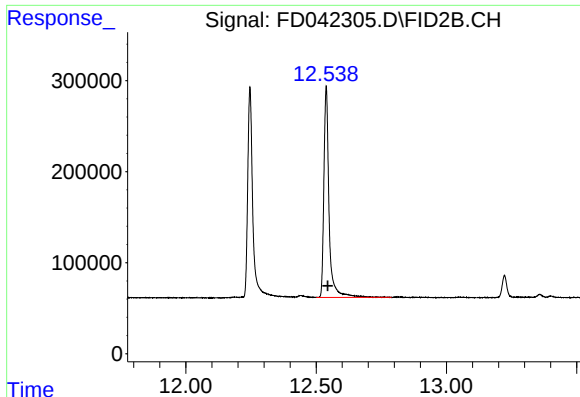
#11 ortho-Terphenyl (SURRE)

R.T.: 11.211 min  
Delta R.T.: 0.003 min  
Response: 3587045  
Conc: 20.69 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.246 min  
Delta R.T.: -0.009 min  
Response: 3173720  
Conc: 20.23 ug/ml



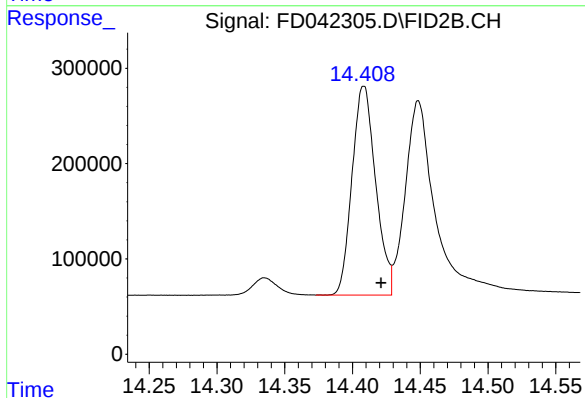
#13 Pyrene (C20.8)

R.T.: 12.539 min  
Delta R.T.: -0.006 min  
Response: 3205712  
Conc: 19.65 ug/ml

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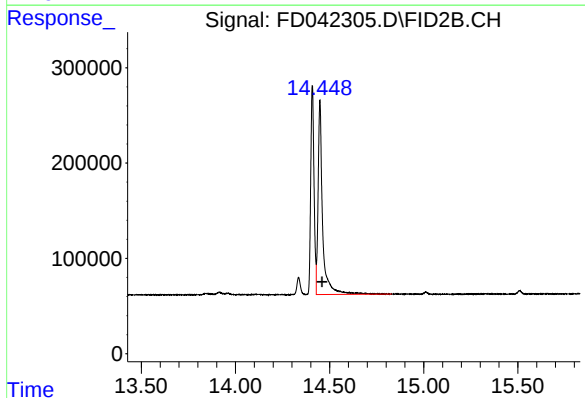
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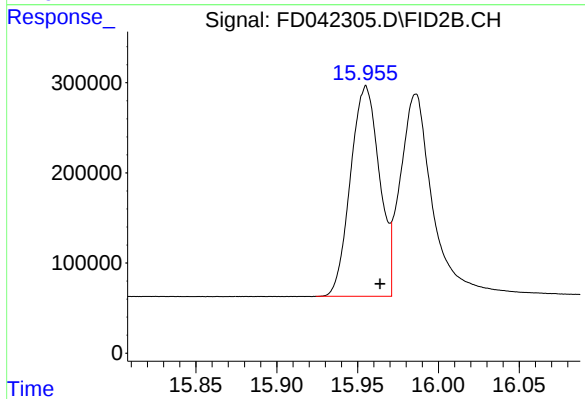
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.409 min  
Delta R.T.: -0.012 min  
Response: 2658278  
Conc: 22.22 ug/ml



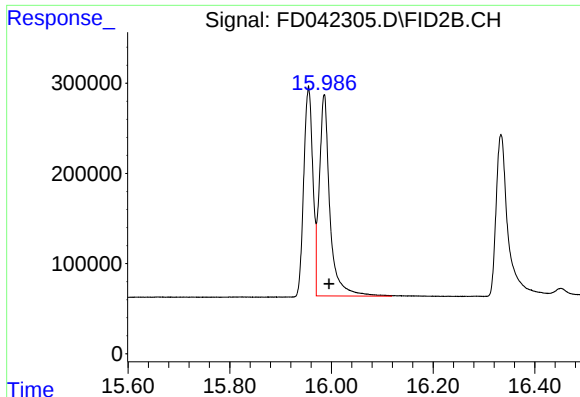
#15 Chrysene (C27.41)

R.T.: 14.449 min  
Delta R.T.: -0.011 min  
Response: 3442327  
Conc: 18.76 ug/ml



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

R.T.: 15.955 min  
Delta R.T.: -0.009 min  
Response: 2917594  
Conc: 22.22 ug/ml m



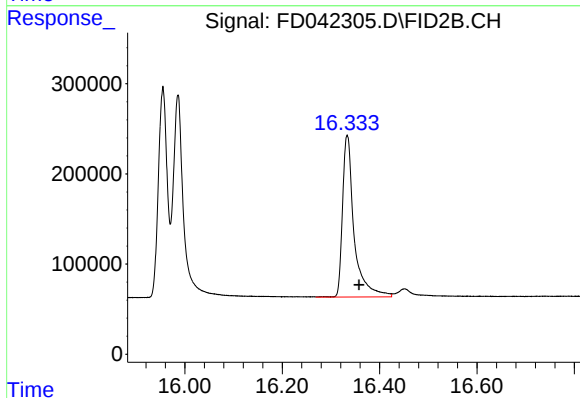
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 15.986 min  
Delta R.T.: -0.009 min  
Response: 3230655  
Conc: 18.69 ug/ml

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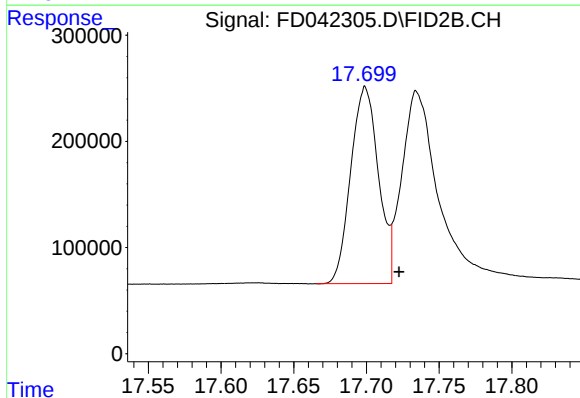
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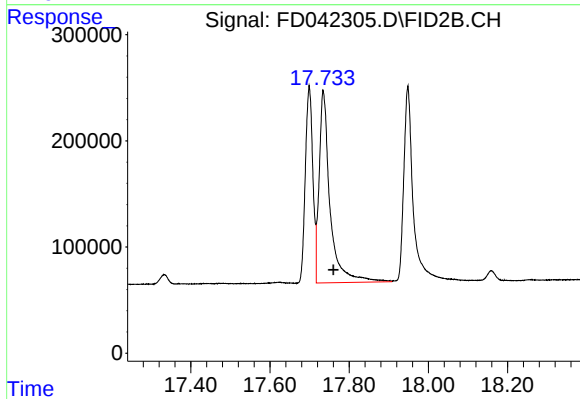
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.334 min  
Delta R.T.: -0.024 min  
Response: 2956312  
Conc: 20.04 ug/ml



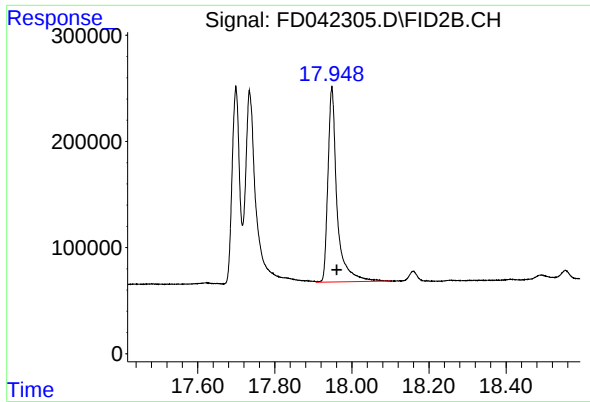
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.699 min  
Delta R.T.: -0.024 min  
Response: 2483231  
Conc: 24.88 ug/ml m



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

R.T.: 17.736 min  
Delta R.T.: -0.025 min  
Response: 3470693  
Conc: 22.11 ug/ml



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

R.T.: 17.948 min  
Delta R.T.: -0.012 min  
Response: 3022483  
Conc: 21.82 ug/ml

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