

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD101424AR\  
 Data File : FD048523.D  
 Signal(s) : FID2B.ch  
 Acq On : 15 Oct 2024 12:24  
 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 10/16/2024  
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e  
 Quant Time: Oct 16 01:38:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 30 14:17:34 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...      | 7.375  | 3337727    | 20.159 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.32%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.225  | 2200631    | 21.220 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 42.44%        |
| 11) S ortho-Terphenyl (SURR)       | 11.261 | 3706230    | 20.143 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 40.29%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.197  | 3796323    | 21.661 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.715  | 3949839    | 21.155 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.762  | 3937393    | 20.834 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.028  | 3850486    | 20.071 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.322  | 3861222    | 20.413 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.100  | 3723464    | 20.609 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.488 | 3644840    | 20.566 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.563 | 3443235    | 19.350 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.291 | 3577070    | 19.777 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.585 | 3510141    | 19.602 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.454 | 3247289    | 20.319 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.495 | 3376462    | 18.102 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.001 | 3311355    | 19.883 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.032 | 3225677    | 19.003 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.376 | 3320244    | 20.314 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.740 | 2969766    | 22.577 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 17.780 | 3474530    | 20.764 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 17.991 | 3303723    | 20.340 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

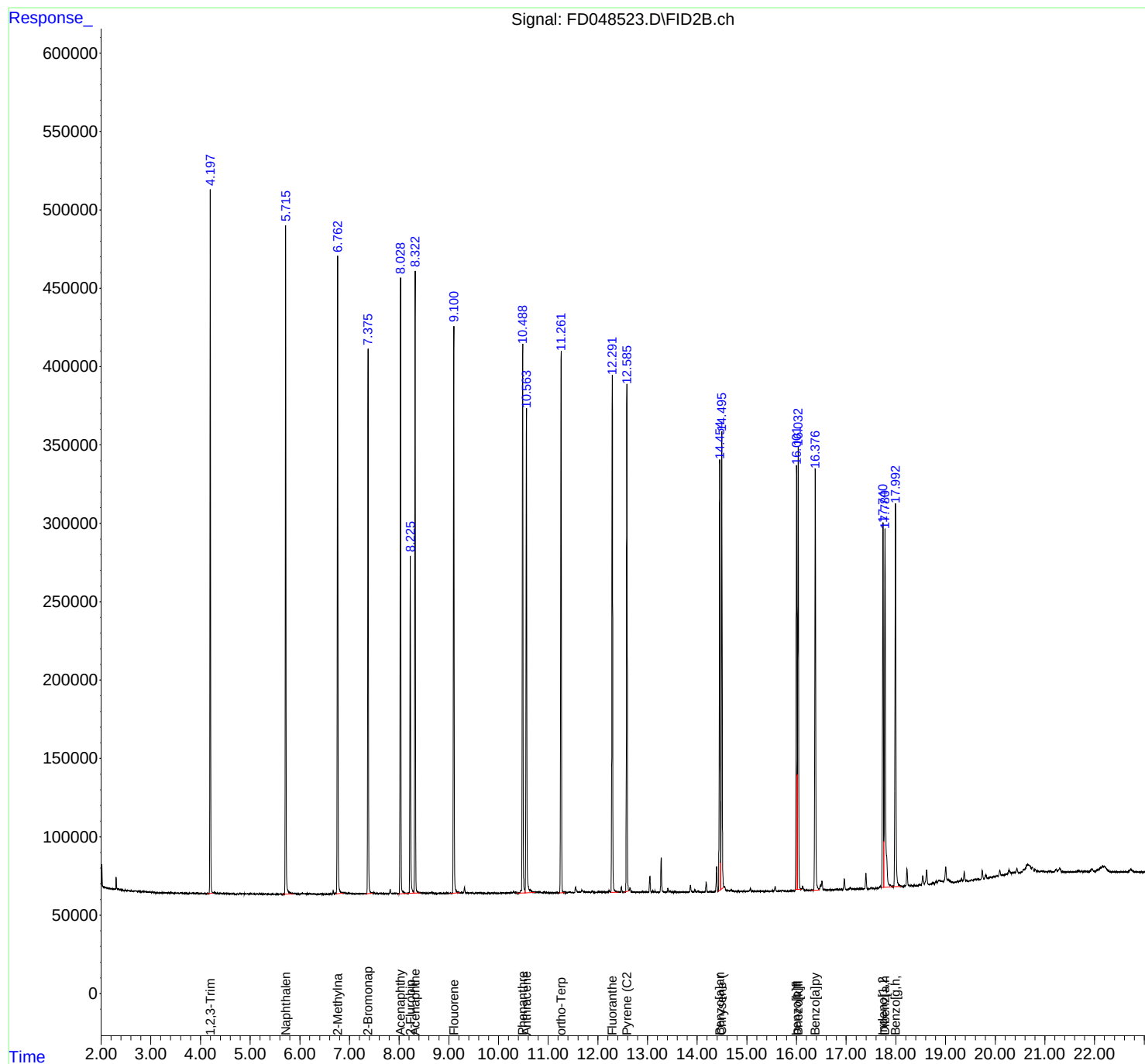
Instrument :  
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20 PPM AROMATIC HC STD

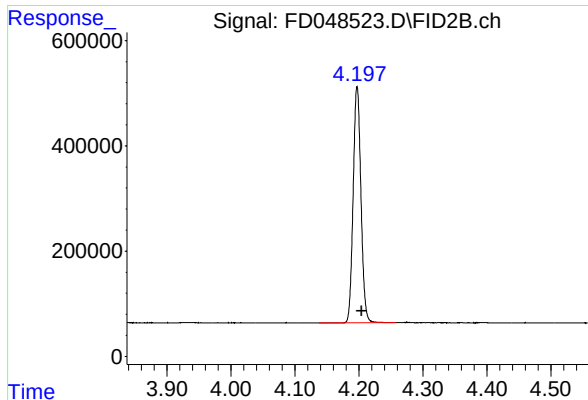
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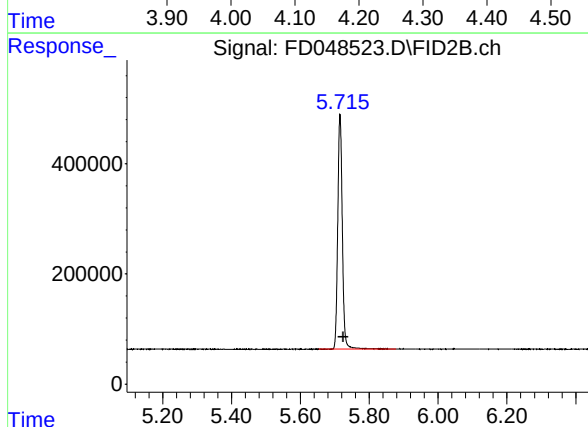
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.197 min  
Delta R.T.: -0.007 min  
Response: 3796323  
Conc: 21.66 ug/ml

Instrument :  
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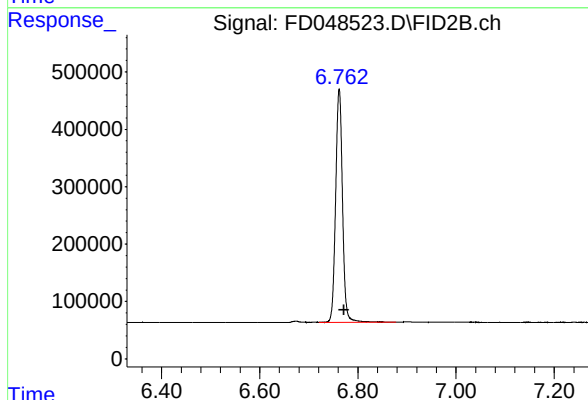
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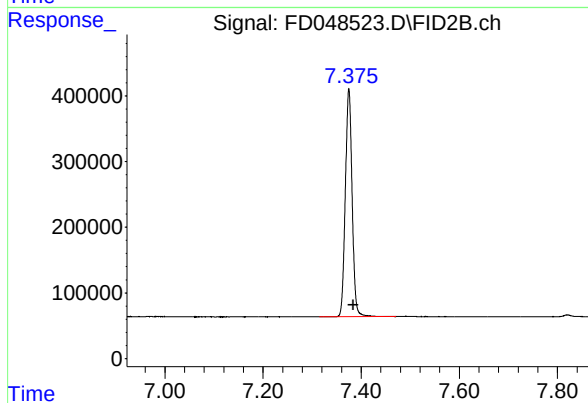
#2 Naphthalene (C11.7)

R.T.: 5.715 min  
Delta R.T.: -0.009 min  
Response: 3949839  
Conc: 21.15 ug/ml



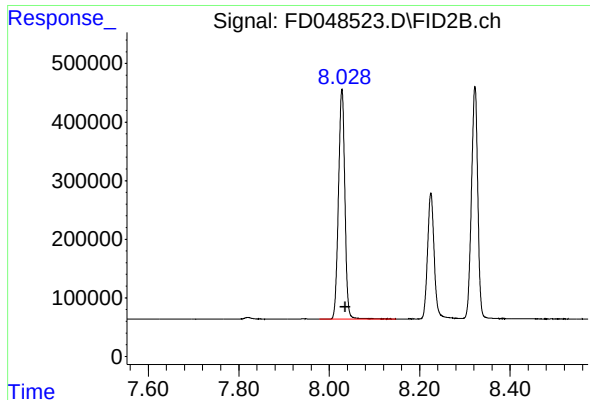
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min  
Delta R.T.: -0.010 min  
Response: 3937393  
Conc: 20.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.375 min  
Delta R.T.: -0.009 min  
Response: 3337727  
Conc: 20.16 ug/ml



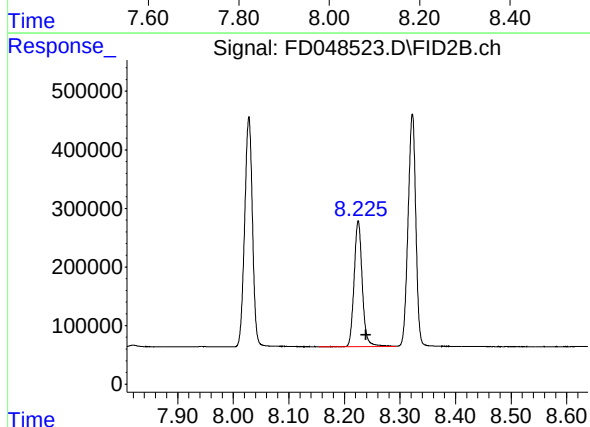
#5 Acenaphthylene (C15.06)

R.T.: 8.028 min  
Delta R.T.: -0.007 min  
Response: 3850486  
Conc: 20.07 ug/ml

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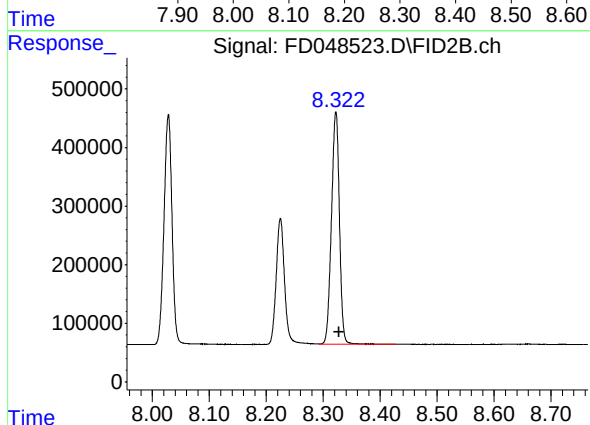
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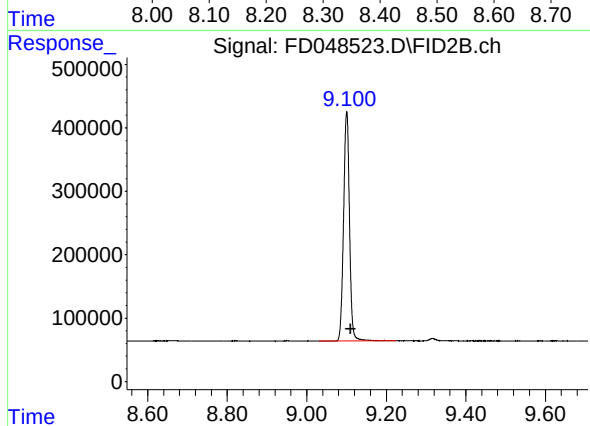
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.225 min  
Delta R.T.: -0.014 min  
Response: 2200631  
Conc: 21.22 ug/ml



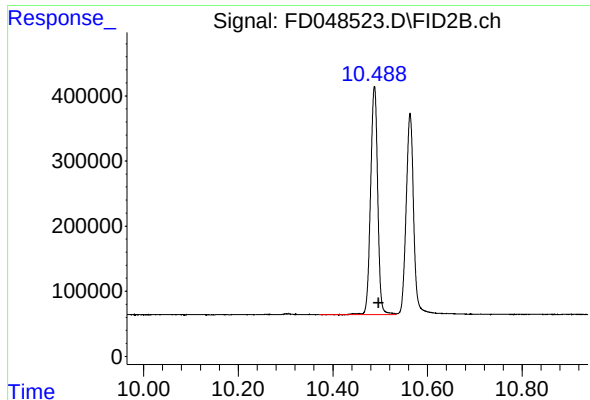
#7 Acenaphthene (C15.5)

R.T.: 8.322 min  
Delta R.T.: -0.006 min  
Response: 3861222  
Conc: 20.41 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.100 min  
Delta R.T.: -0.011 min  
Response: 3723464  
Conc: 20.61 ug/ml



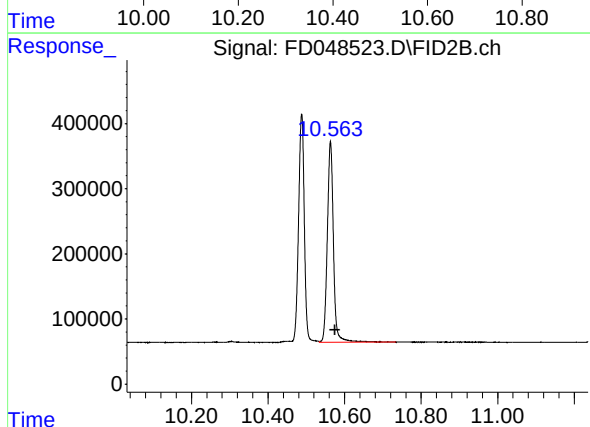
#9 Phenanthrene (C19.36)

R.T.: 10.488 min  
Delta R.T.: -0.009 min  
Response: 3644840  
Conc: 20.57 ug/ml

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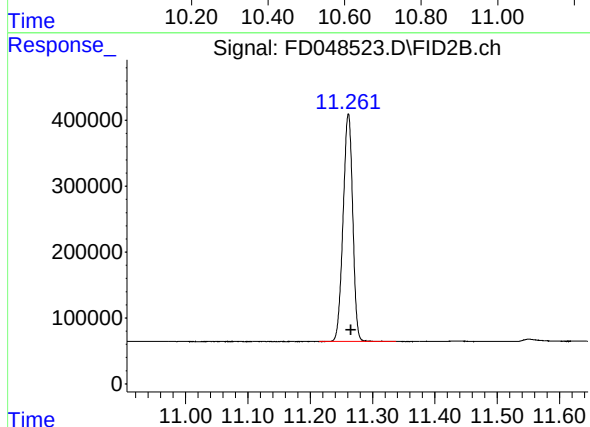
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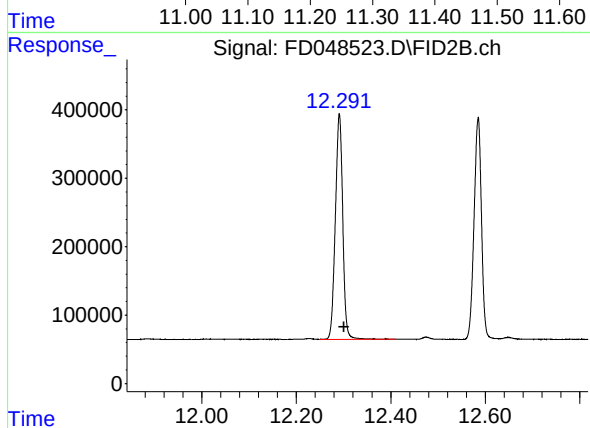
#10 Anthracene (C19.43)

R.T.: 10.563 min  
Delta R.T.: -0.012 min  
Response: 3443235  
Conc: 19.35 ug/ml



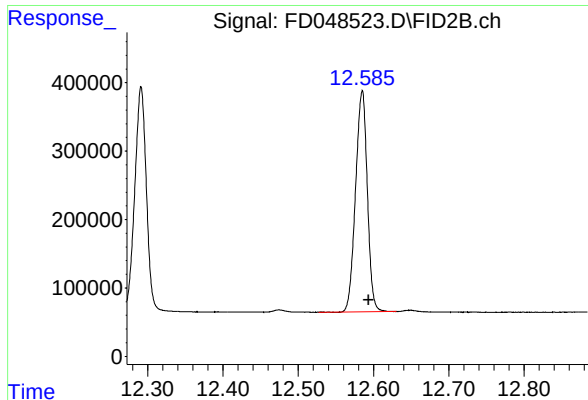
#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min  
Delta R.T.: -0.004 min  
Response: 3706230  
Conc: 20.14 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min  
Delta R.T.: -0.010 min  
Response: 3577070  
Conc: 19.78 ug/ml



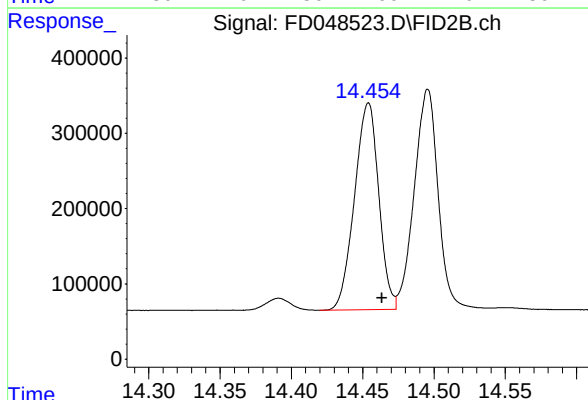
#13 Pyrene (C20.8)

R.T.: 12.585 min  
Delta R.T.: -0.009 min  
Response: 3510141  
Conc: 19.60 ug/ml

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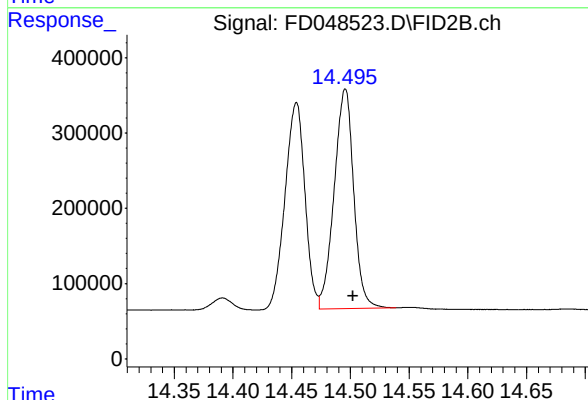
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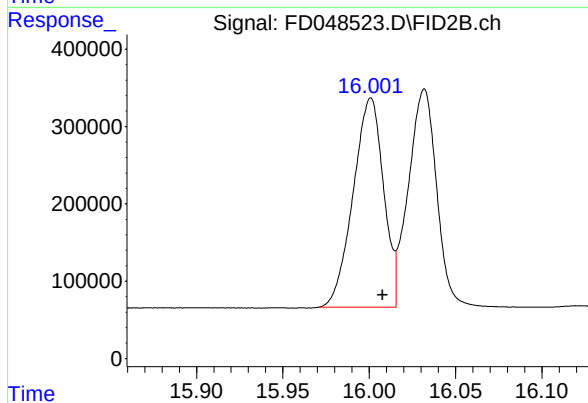
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.454 min  
Delta R.T.: -0.010 min  
Response: 3247289  
Conc: 20.32 ug/ml



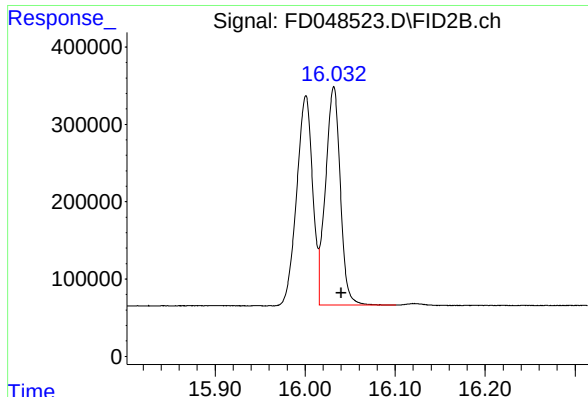
#15 Chrysene (C27.41)

R.T.: 14.495 min  
Delta R.T.: -0.007 min  
Response: 3376462  
Conc: 18.10 ug/ml



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

R.T.: 16.001 min  
Delta R.T.: -0.007 min  
Response: 3311355  
Conc: 19.88 ug/ml



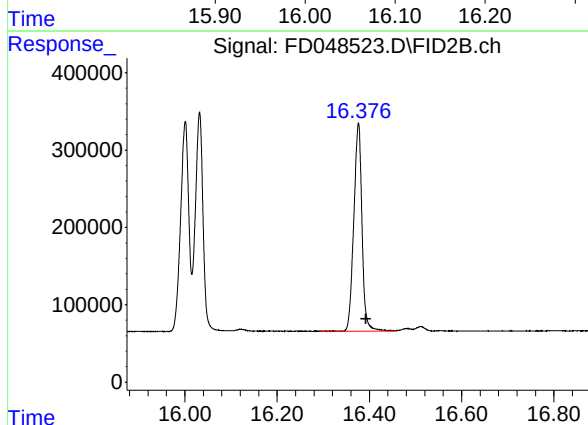
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.032 min  
Delta R.T.: -0.009 min  
Response: 3225677  
Conc: 19.00 ug/ml

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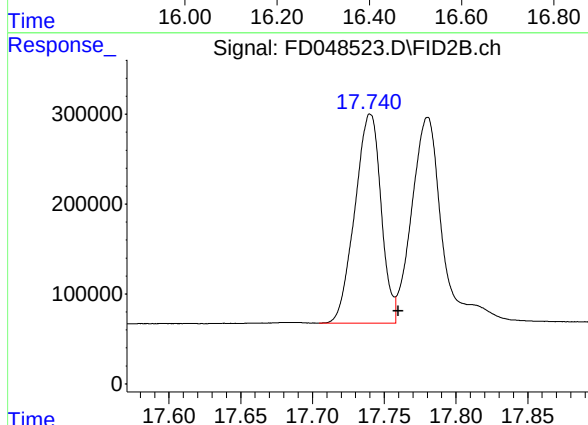
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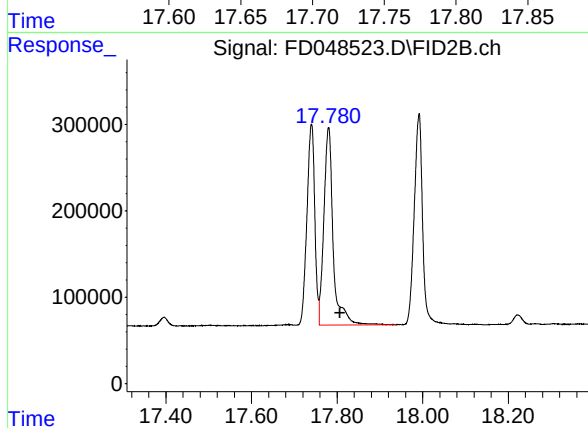
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.376 min  
Delta R.T.: -0.017 min  
Response: 3320244  
Conc: 20.31 ug/ml



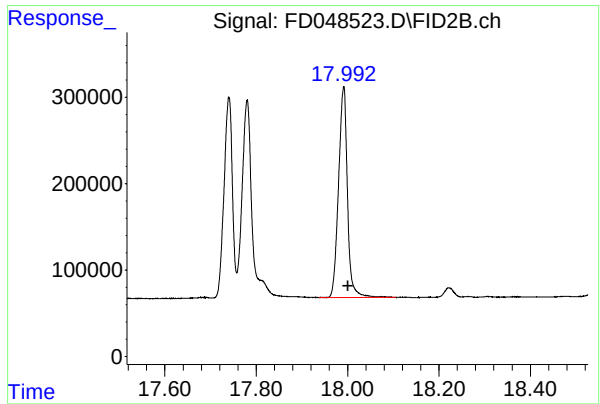
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.740 min  
Delta R.T.: -0.020 min  
Response: 2969766  
Conc: 22.58 ug/ml m



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

R.T.: 17.780 min  
Delta R.T.: -0.026 min  
Response: 3474530  
Conc: 20.76 ug/ml



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

R.T.: 17.991 min  
Delta R.T.: -0.010 min  
Response: 3303723  
Conc: 20.34 ug/ml

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