

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF112625AR\  
 Data File : FF016819.D  
 Signal(s) : FID2B.ch  
 Acq On : 26 Nov 2025 21:12  
 Operator : YP\AJ  
 Sample : 100 PPM AROMATIC HC STD1  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 100 PPM AROMATIC HC STD1

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025  
 Supervised By :mohammad ahmed 12/02/2025

Integration File: autoint1.e  
 Quant Time: Dec 01 08:11:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 112625.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Dec 01 08:08:04 2025  
 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...      | 8.008  | 10984155   | 92.415 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 184.83%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.884  | 7358002    | 98.552 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 197.10%#      |
| 11) S ortho-Terphenyl (SURR)       | 11.952 | 12906081   | 86.766 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 173.53%       |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.601  | 12107936   | 87.522 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.278  | 12700001   | 90.825 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.380  | 12822985   | 90.106 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.686  | 12674444   | 90.711 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.987  | 12846316   | 88.090 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.776  | 12588707   | 92.658 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.184 | 12295450   | 91.962 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.260 | 11842044   | 91.907 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 13.010 | 12091448   | 90.272 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.309 | 11828276   | 87.846 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.194 | 10783852   | 95.634 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.241 | 11437195   | 82.929 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.760 | 10926837   | 89.636 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.799 | 10375730   | 80.196 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 17.144 | 10764168   | 87.160 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.523 | 10474667   | 100.851 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.564 | 10871475   | 68.417 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.786 | 11183735   | 85.785 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 100 PPM AROMATIC HC STD1  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

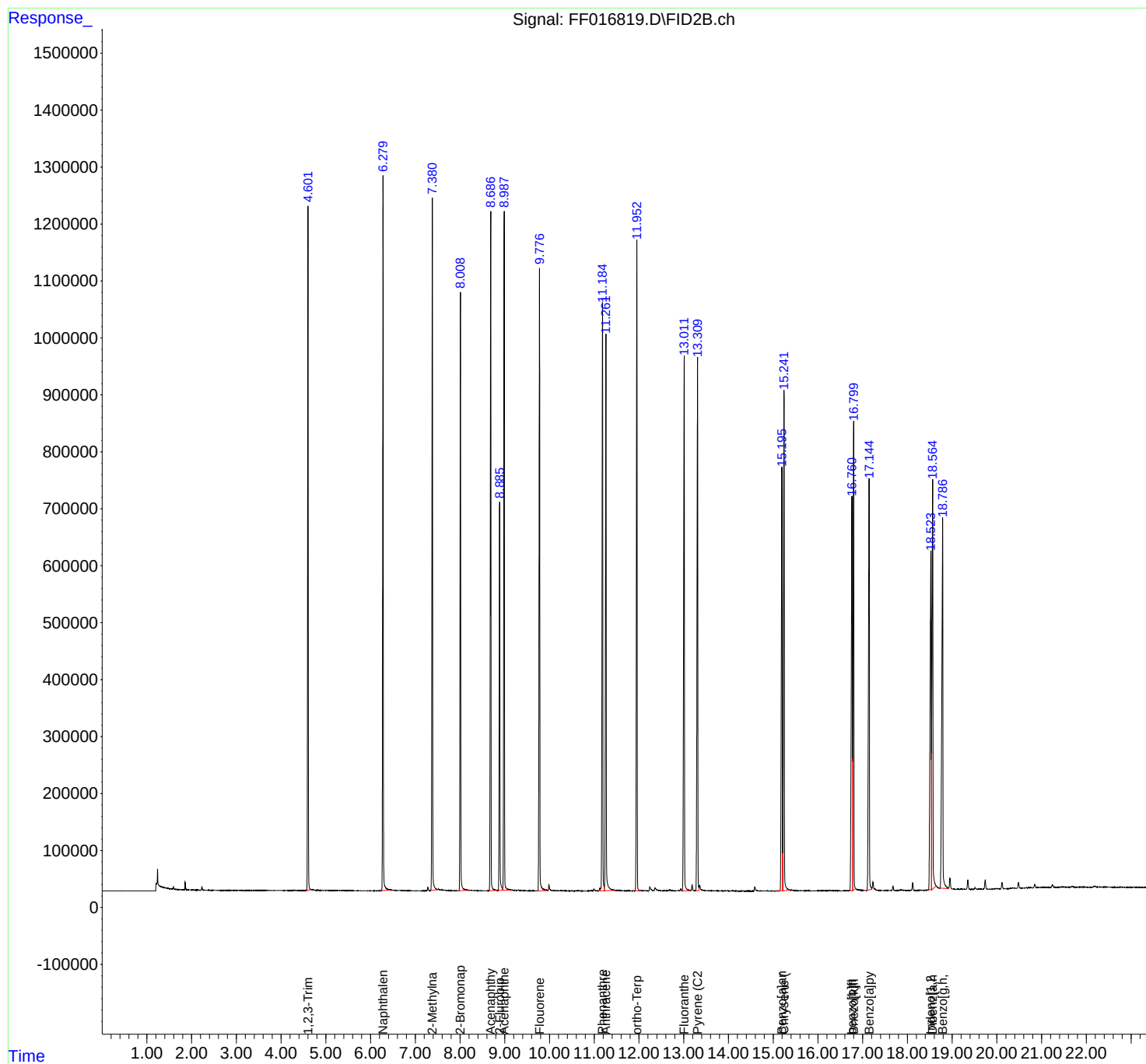
Instrument :  
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100 PPM AROMATIC HC STD1

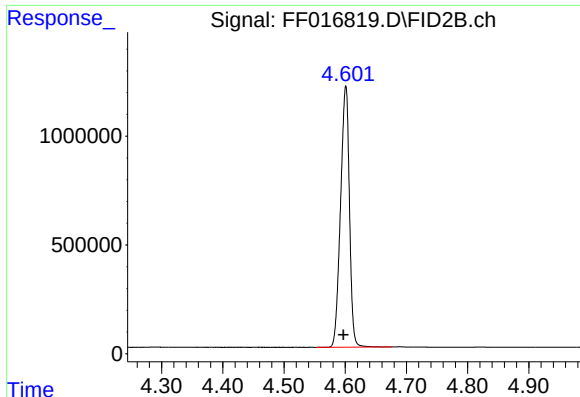
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QLast Update : Mon Dec 01 08:08:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.601 min  
Delta R.T.: 0.004 min  
Response: 12107936  
Conc: 87.52 ug/ml

Instrument :

FID\_F

ClientSampleId :

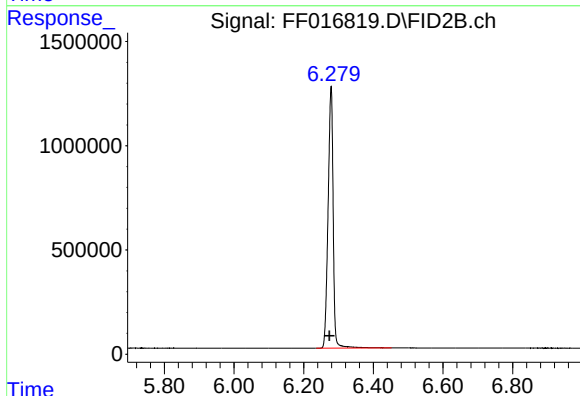
100 PPM AROMATIC HC STD1

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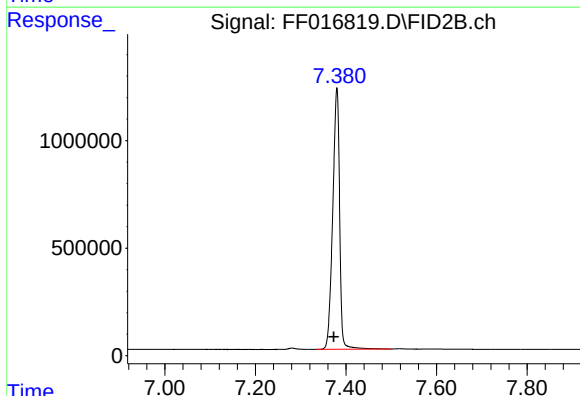
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Supervised By :mohammad ahmed 12/02/2025



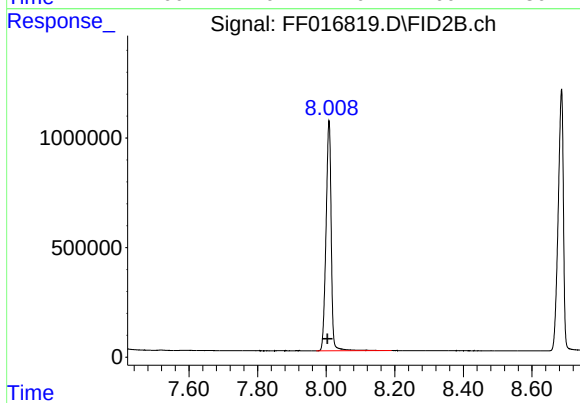
#2 Naphthalene (C11.7)

R.T.: 6.278 min  
Delta R.T.: 0.005 min  
Response: 12700001  
Conc: 90.82 ug/ml



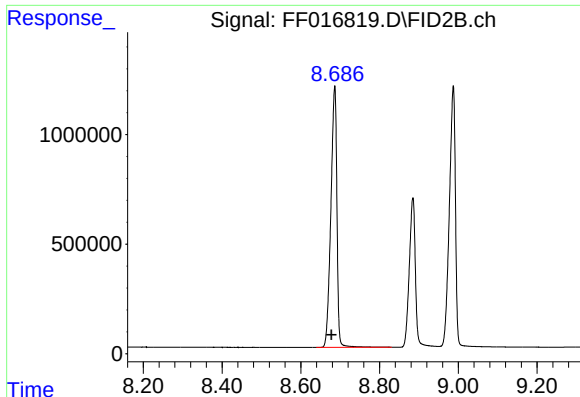
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.380 min  
Delta R.T.: 0.006 min  
Response: 12822985  
Conc: 90.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.008 min  
Delta R.T.: 0.005 min  
Response: 10984155  
Conc: 92.41 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.686 min  
Delta R.T.: 0.008 min  
Response: 12674444  
Conc: 90.71 ug/ml

Instrument :

FID\_F

ClientSampleId :

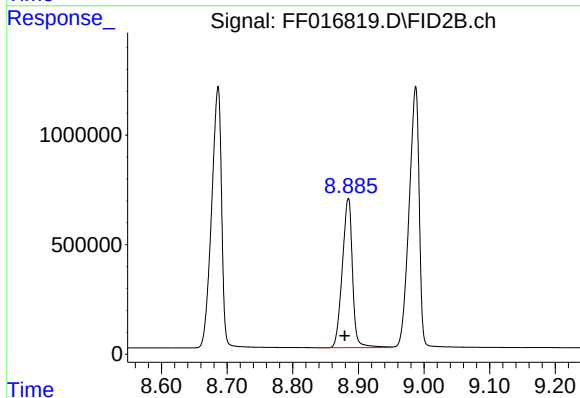
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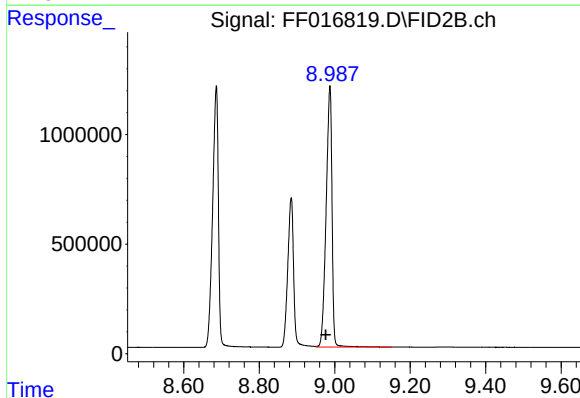
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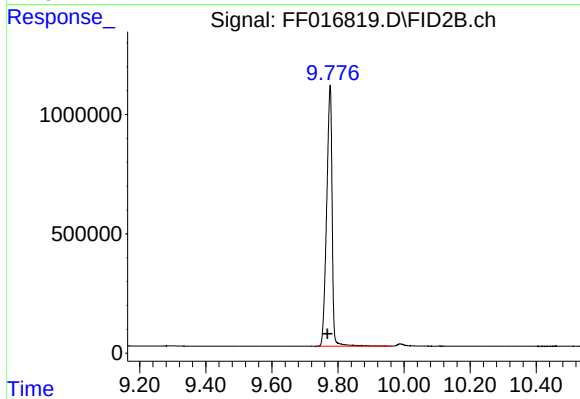
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.884 min  
Delta R.T.: 0.005 min  
Response: 7358002  
Conc: 98.55 ug/ml



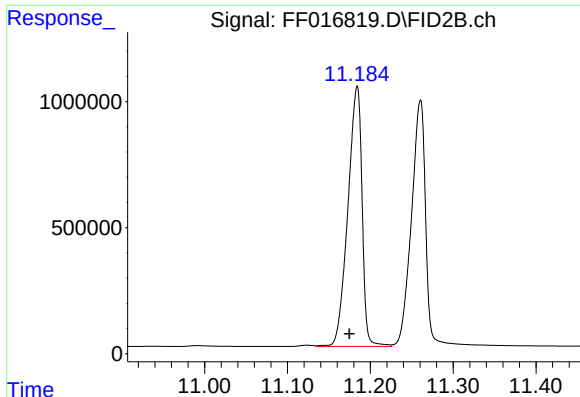
#7 Acenaphthene (C15.5)

R.T.: 8.987 min  
Delta R.T.: 0.010 min  
Response: 12846316  
Conc: 88.09 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.776 min  
Delta R.T.: 0.008 min  
Response: 12588707  
Conc: 92.66 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.184 min  
Delta R.T.: 0.009 min  
Response: 12295450  
Conc: 91.96 ug/ml

Instrument :

FID\_F

ClientSampleId :

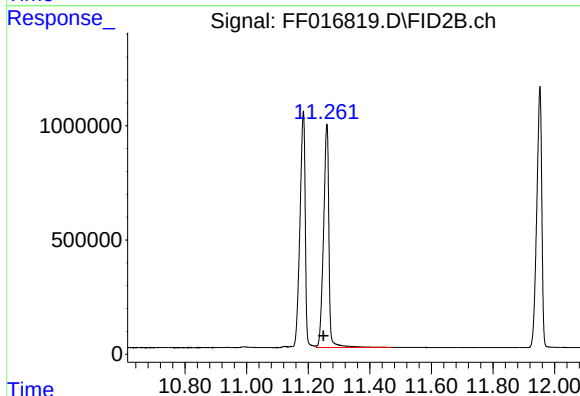
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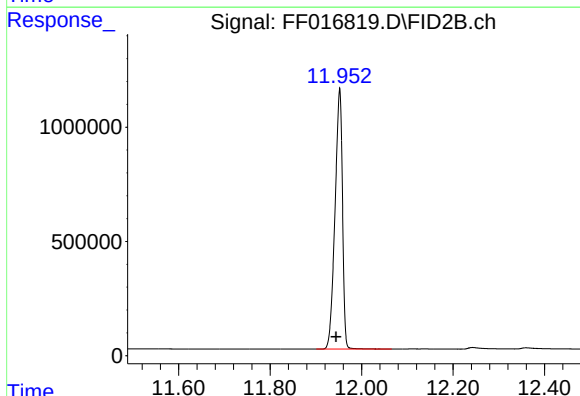
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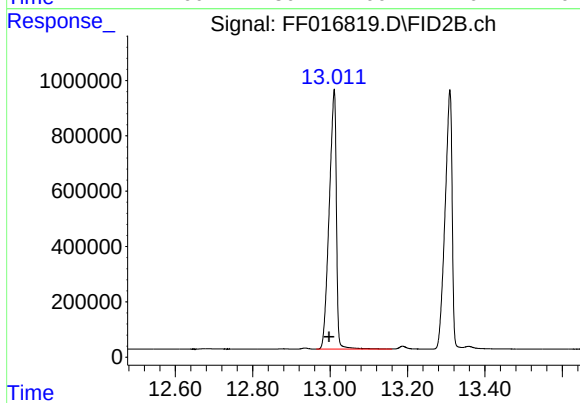
#10 Anthracene (C19.43)

R.T.: 11.260 min  
Delta R.T.: 0.010 min  
Response: 11842044  
Conc: 91.91 ug/ml



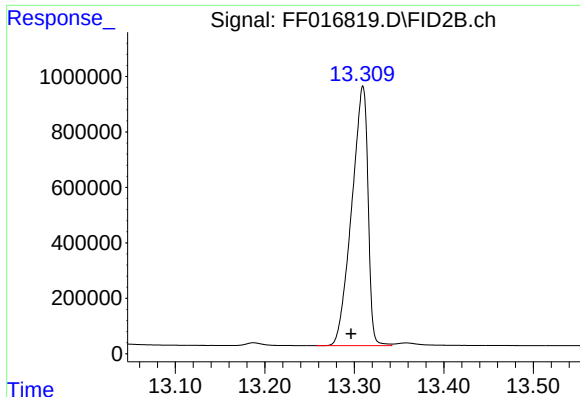
#11 ortho-Terphenyl (SURR)

R.T.: 11.952 min  
Delta R.T.: 0.008 min  
Response: 12906081  
Conc: 86.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.010 min  
Delta R.T.: 0.012 min  
Response: 12091448  
Conc: 90.27 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.309 min  
Delta R.T.: 0.013 min  
Response: 11828276  
Conc: 87.85 ug/ml

Instrument :

FID\_F

ClientSampleId :

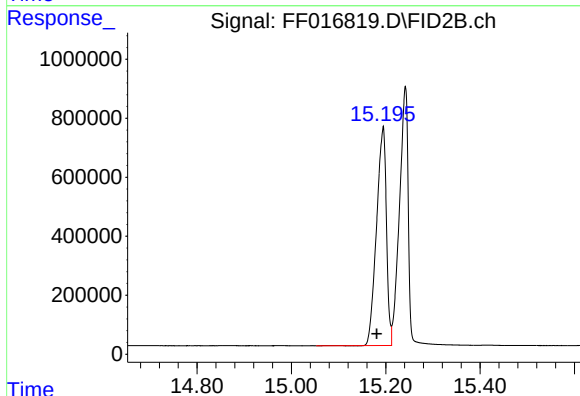
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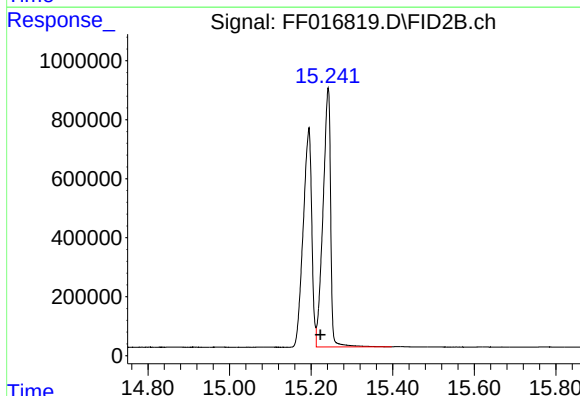
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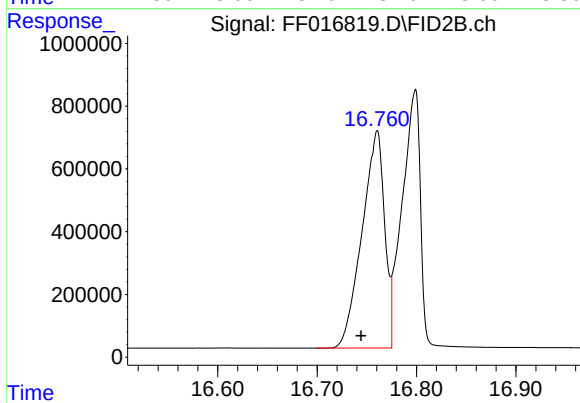
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.194 min  
Delta R.T.: 0.013 min  
Response: 10783852  
Conc: 95.63 ug/ml



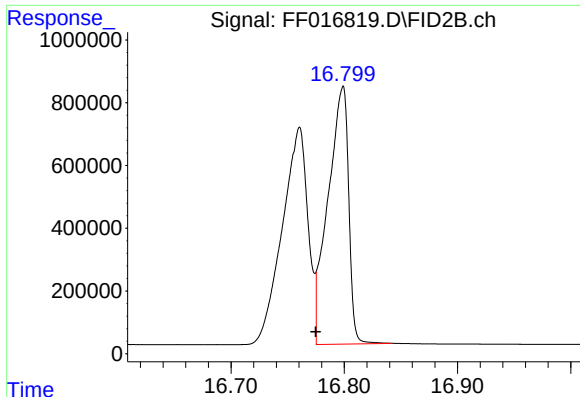
#15 Chrysene (C27.41)

R.T.: 15.241 min  
Delta R.T.: 0.019 min  
Response: 11437195  
Conc: 82.93 ug/ml



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

R.T.: 16.760 min  
Delta R.T.: 0.016 min  
Response: 10926837  
Conc: 89.64 ug/ml



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

R.T.: 16.799 min  
Delta R.T.: 0.024 min  
Response: 10375730  
Conc: 80.20 ug/ml

Instrument :

FID\_F

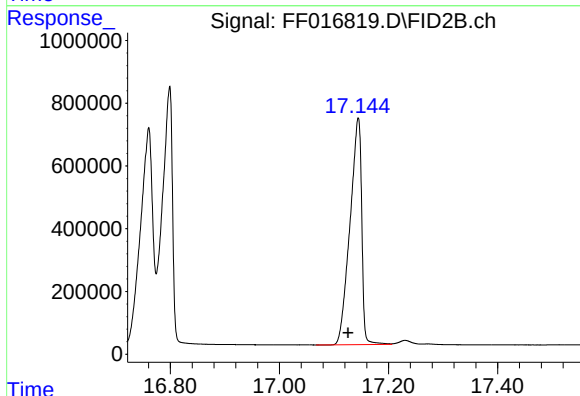
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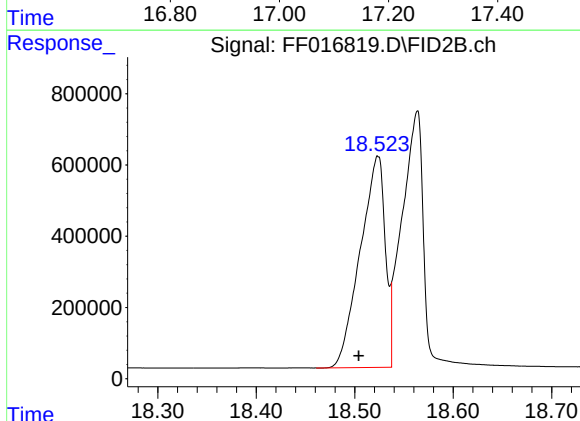
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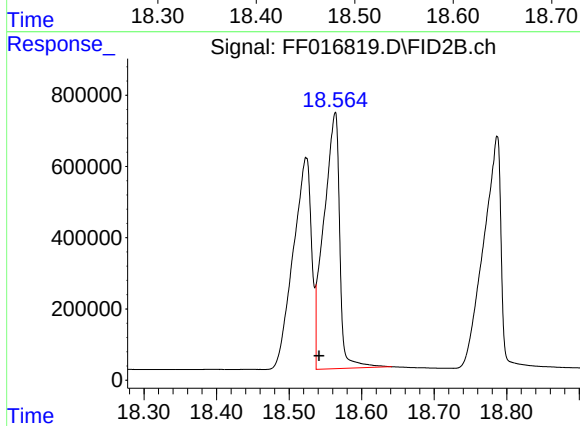
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.144 min  
Delta R.T.: 0.018 min  
Response: 10764168  
Conc: 87.16 ug/ml



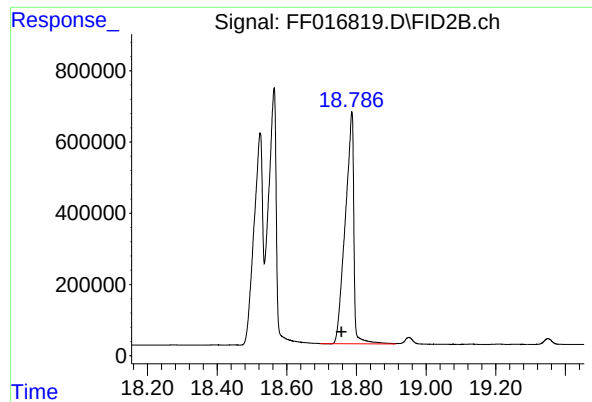
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.523 min  
Delta R.T.: 0.019 min  
Response: 10474667  
Conc: 100.85 ug/ml



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

R.T.: 18.564 min  
Delta R.T.: 0.023 min  
Response: 10871475  
Conc: 68.42 ug/ml m



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

R.T.: 18.786 min  
Delta R.T.: 0.029 min  
Response: 11183735  
Conc: 85.79 ug/ml

Instrument :

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