

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD040725AR\  
 Data File : FD049232.D  
 Signal(s) : FID2B.ch  
 Acq On : 07 Apr 2025 16:15  
 Operator : YP/AJ  
 Sample : 100 PPM AROMATIC HC STD1  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/08/2025  
 Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e  
 Quant Time: Apr 08 05:15:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 040725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Apr 08 05:14:19 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...      | 7.760  | 14424350   | 99.788 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 199.58%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.629  | 10161811   | 101.365 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 202.73%#      |
| 11) S ortho-Terphenyl (SURR)       | 11.672 | 16886298   | 97.211 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 194.42%       |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.548  | 14124438   | 96.631 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.096  | 15715314   | 98.557 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.152  | 15774709   | 99.963 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.433  | 17132621   | 99.235 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.731  | 16770157   | 99.505 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.513  | 17097823   | 99.833 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.912 | 16719563   | 98.094 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.988 | 15597317   | 99.819 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.727 | 16159792   | 95.562 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.027 | 16001661   | 95.634 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.895 | 14068121   | 97.457 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.944 | 13989681   | 96.583 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.448 | 13370032   | 96.181 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.488 | 13068315   | 95.299 ug/mlm |
| 18) T Benzo[a]pyrene (C31.34)      | 16.830 | 12545484   | 96.612 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.196 | 12244453   | 100.460 ug/ml |
| 20) T Dibenz[a,h]anthracene...     | 18.235 | 11804250   | 93.036 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.458 | 12528889   | 96.335 ug/ml  |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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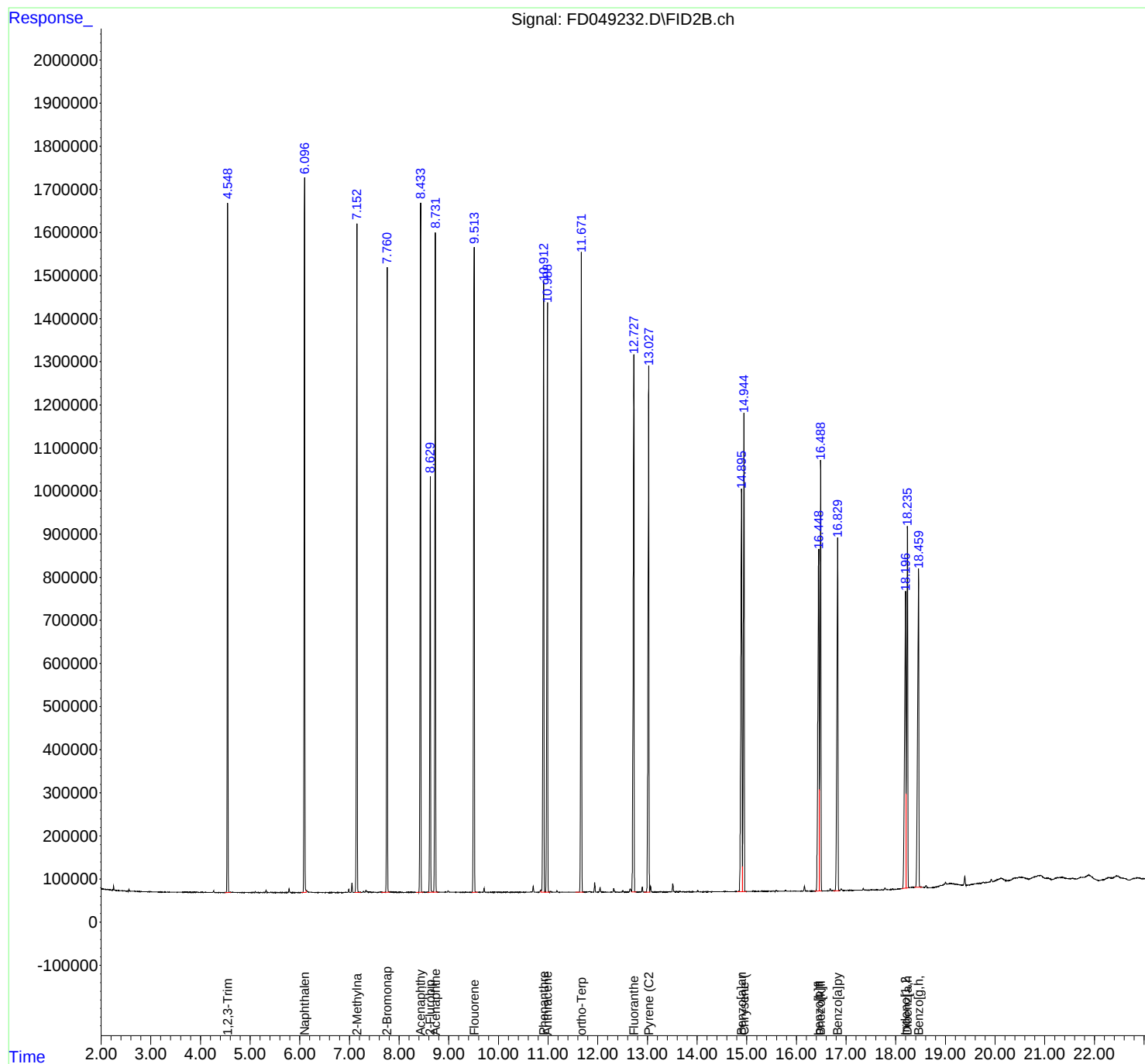
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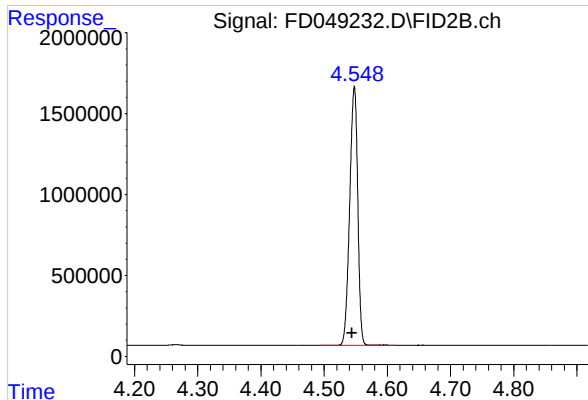
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Volume Inj. : 1 µl  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.548 min  
Delta R.T.: 0.004 min  
Response: 14124438  
Conc: 96.63 ug/ml

Instrument :

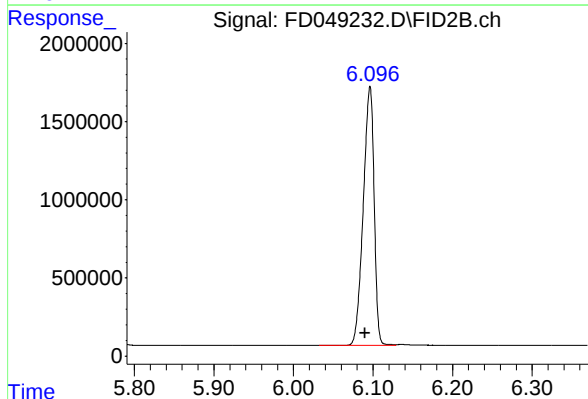
FID\_D

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100 PPM AROMATIC HC STD1

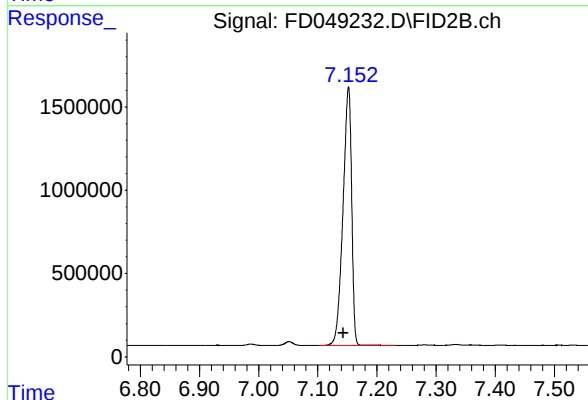
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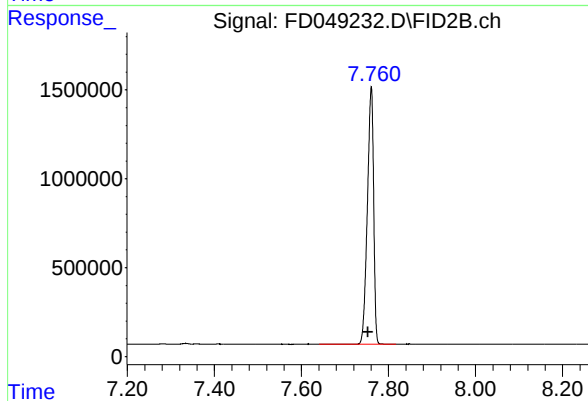
#2 Naphthalene (C11.7)

R.T.: 6.096 min  
Delta R.T.: 0.006 min  
Response: 15715314  
Conc: 98.56 ug/ml



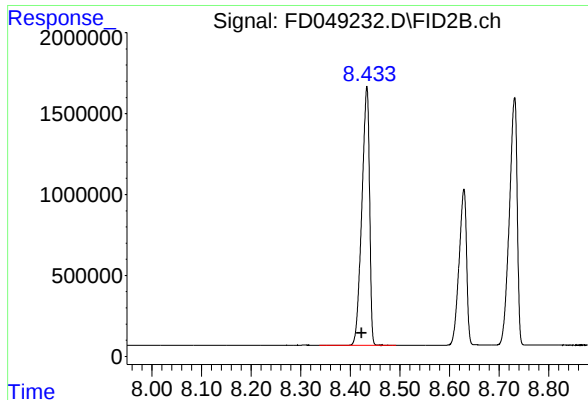
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.152 min  
Delta R.T.: 0.009 min  
Response: 15774709  
Conc: 99.96 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.760 min  
Delta R.T.: 0.008 min  
Response: 14424350  
Conc: 99.79 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.433 min  
Delta R.T.: 0.011 min  
Response: 17132621  
Conc: 99.24 ug/ml

Instrument :

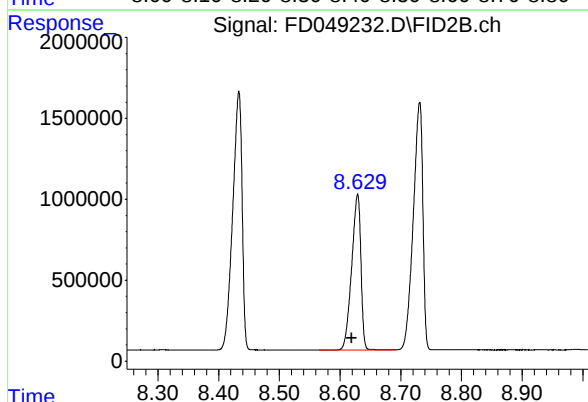
FID\_D

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100 PPM AROMATIC HC STD1

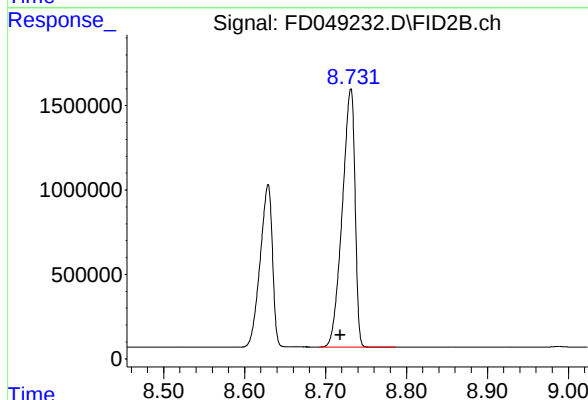
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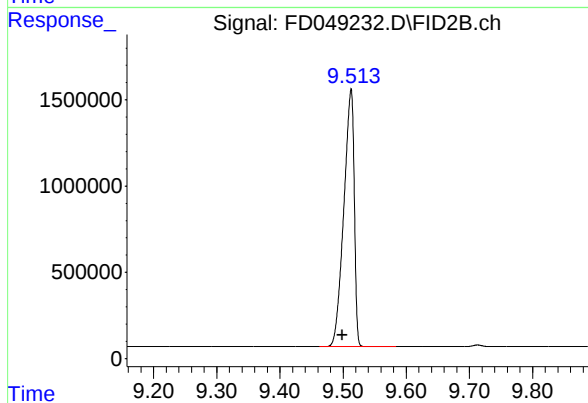
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.629 min  
Delta R.T.: 0.010 min  
Response: 10161811  
Conc: 101.36 ug/ml



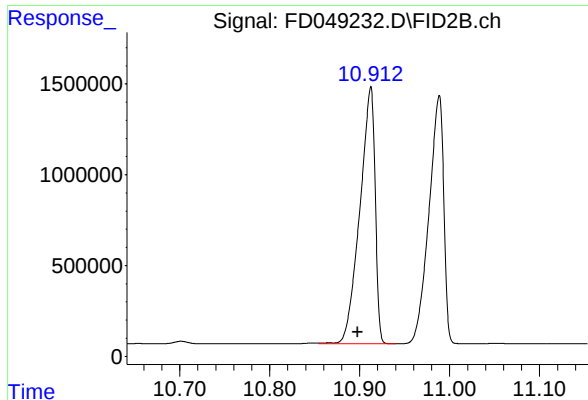
#7 Acenaphthene (C15.5)

R.T.: 8.731 min  
Delta R.T.: 0.013 min  
Response: 16770157  
Conc: 99.51 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.513 min  
Delta R.T.: 0.013 min  
Response: 17097823  
Conc: 99.83 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.912 min  
Delta R.T.: 0.014 min  
Response: 16719563  
Conc: 98.09 ug/ml

Instrument :

FID\_D

ClientSampleId :

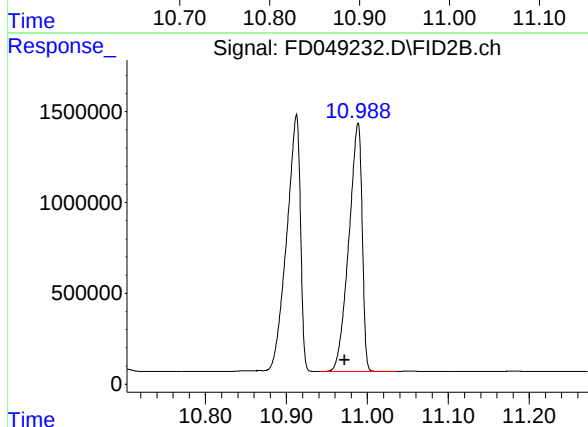
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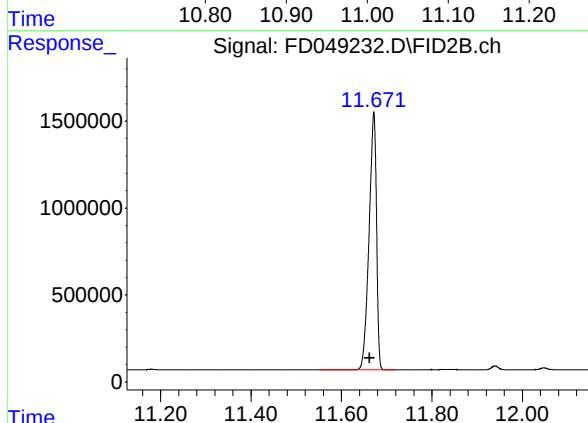
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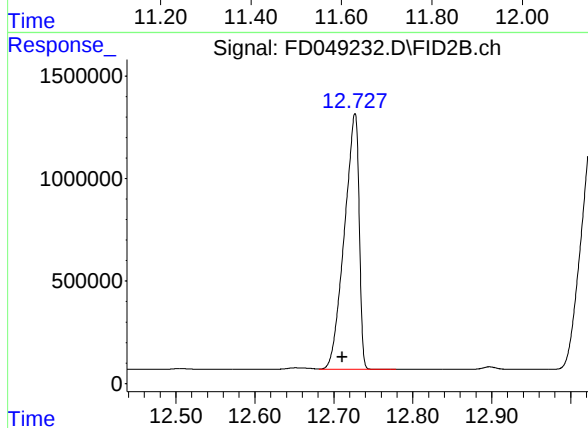
#10 Anthracene (C19.43)

R.T.: 10.988 min  
Delta R.T.: 0.016 min  
Response: 15597317  
Conc: 99.82 ug/ml



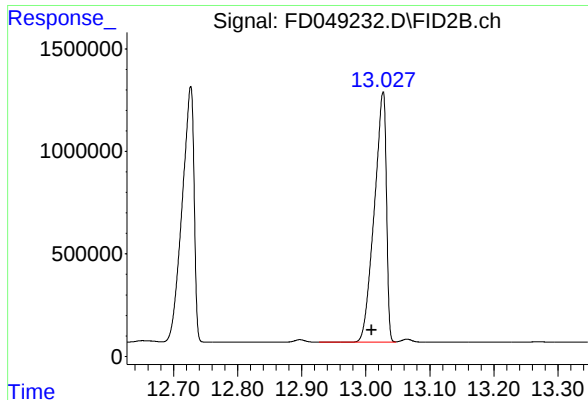
#11 ortho-Terphenyl (SURR)

R.T.: 11.672 min  
Delta R.T.: 0.010 min  
Response: 16886298  
Conc: 97.21 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.727 min  
Delta R.T.: 0.016 min  
Response: 16159792  
Conc: 95.56 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.027 min  
Delta R.T.: 0.018 min  
Response: 16001661  
Conc: 95.63 ug/ml

Instrument :

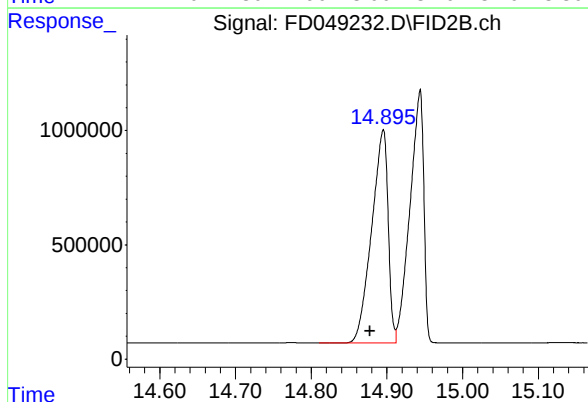
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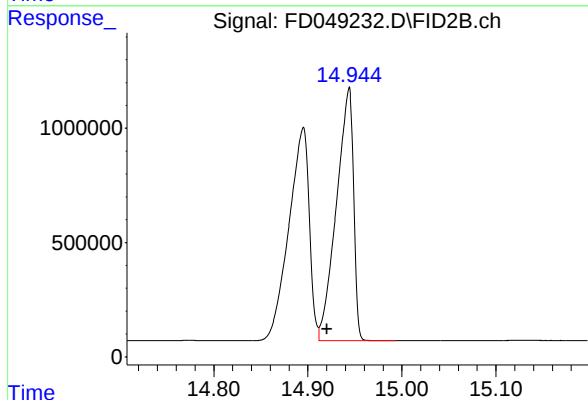
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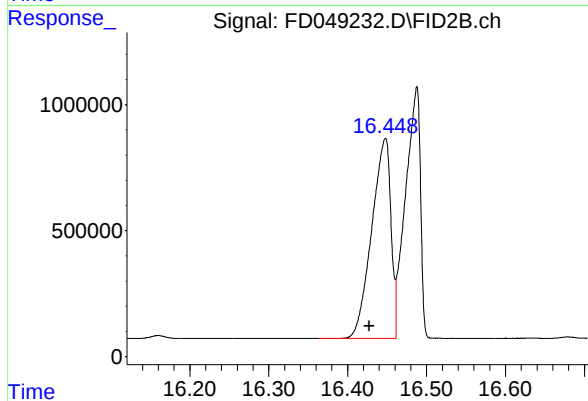
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.895 min  
Delta R.T.: 0.017 min  
Response: 14068121  
Conc: 97.46 ug/ml



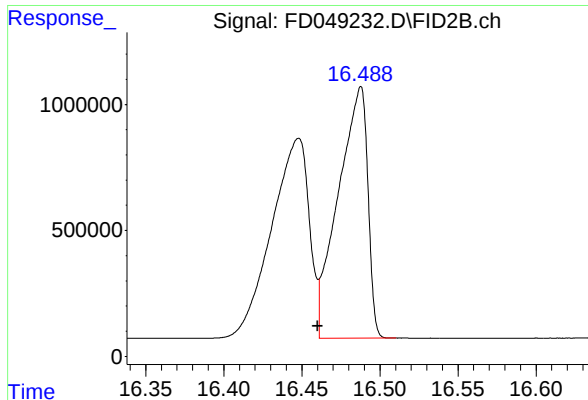
#15 Chrysene (C27.41)

R.T.: 14.944 min  
Delta R.T.: 0.023 min  
Response: 13989681  
Conc: 96.58 ug/ml



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

R.T.: 16.448 min  
Delta R.T.: 0.020 min  
Response: 13370032  
Conc: 96.18 ug/ml



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

R.T.: 16.488 min  
Delta R.T.: 0.028 min  
Response: 13068315  
Conc: 95.30 ug/ml

Instrument :

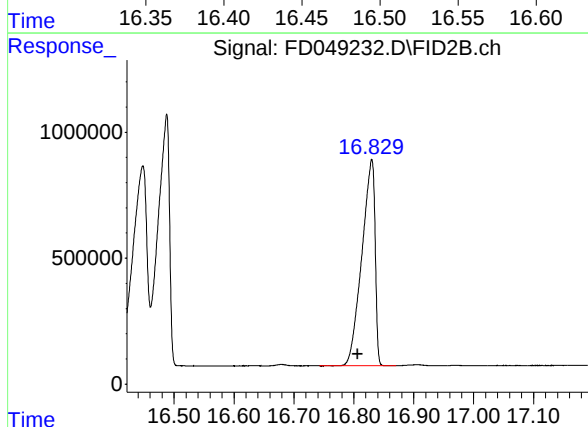
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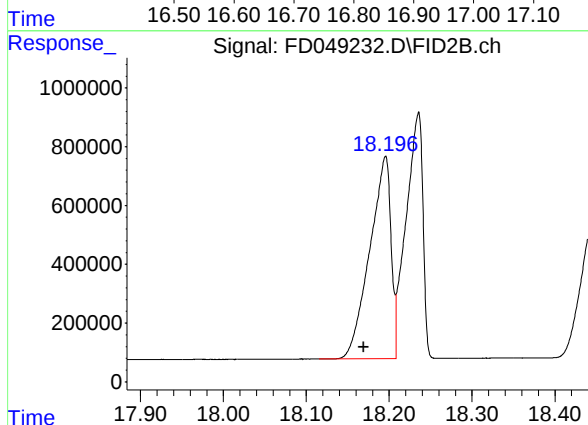
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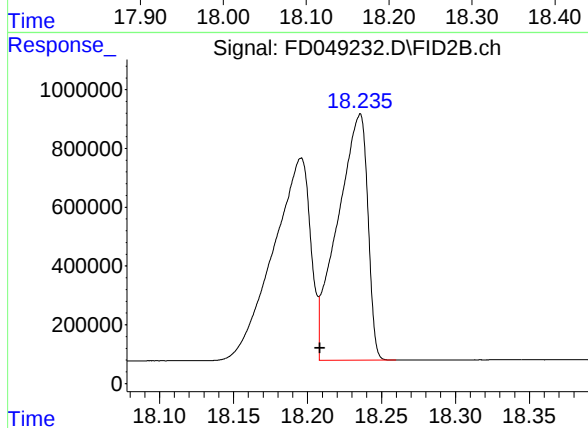
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.830 min  
Delta R.T.: 0.024 min  
Response: 12545484  
Conc: 96.61 ug/ml



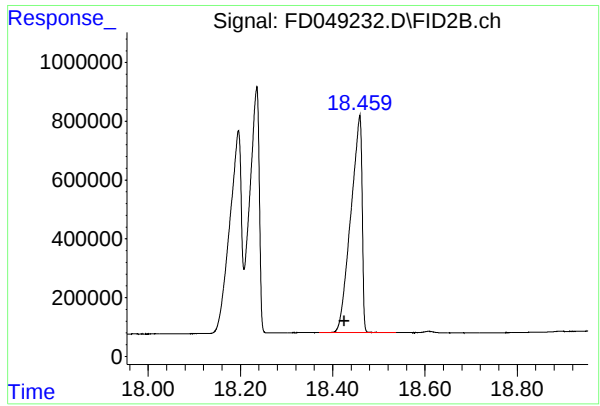
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.196 min  
Delta R.T.: 0.026 min  
Response: 12244453  
Conc: 100.46 ug/ml



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

R.T.: 18.235 min  
Delta R.T.: 0.027 min  
Response: 11804250  
Conc: 93.04 ug/ml m



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

R.T.: 18.458 min  
Delta R.T.: 0.033 min  
Response: 12528889  
Conc: 96.33 ug/ml

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