

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF061625AR\  
 Data File : FF015999.D  
 Signal(s) : FID2B.ch  
 Acq On : 16 Jun 2025 14:32  
 Operator : YP\AJ  
 Sample : Q2126-07  
 Misc : 4 PPM WATER LOD  
 ALS Vial : 82 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2025

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025  
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e  
 Quant Time: Jun 17 02:46:10 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 061325.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jun 16 04:40:28 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...      | 8.061  | 5551181    | 48.887 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 97.77%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.936  | 3819535    | 49.068 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 98.14%       |
| 11) S ortho-Terphenyl (SURR)       | 12.003 | 5919391    | 44.745 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 89.49%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.659  | 494935     | 3.998 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.332  | 567423     | 4.336 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.429  | 535572     | 4.042 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.733  | 598452     | 4.535 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 9.033  | 619817     | 4.747 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.820  | 623926     | 4.797 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.226 | 633414     | 4.884 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.300 | 638710     | 4.946 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 13.046 | 672248     | 5.145 ug/mlm |
| 13) T Pyrene (C20.8)               | 13.345 | 668401     | 5.156 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.223 | 651858     | 5.170 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.265 | 664544     | 5.207 ug/mlm |
| 16) T benzo[b]fluoranthene ...     | 16.780 | 635904     | 5.077 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.811 | 639928     | 5.401 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.160 | 609314     | 4.986 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.530 | 610728     | 5.475 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.572 | 636571     | 5.467 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.784 | 589226     | 5.063 ug/ml  |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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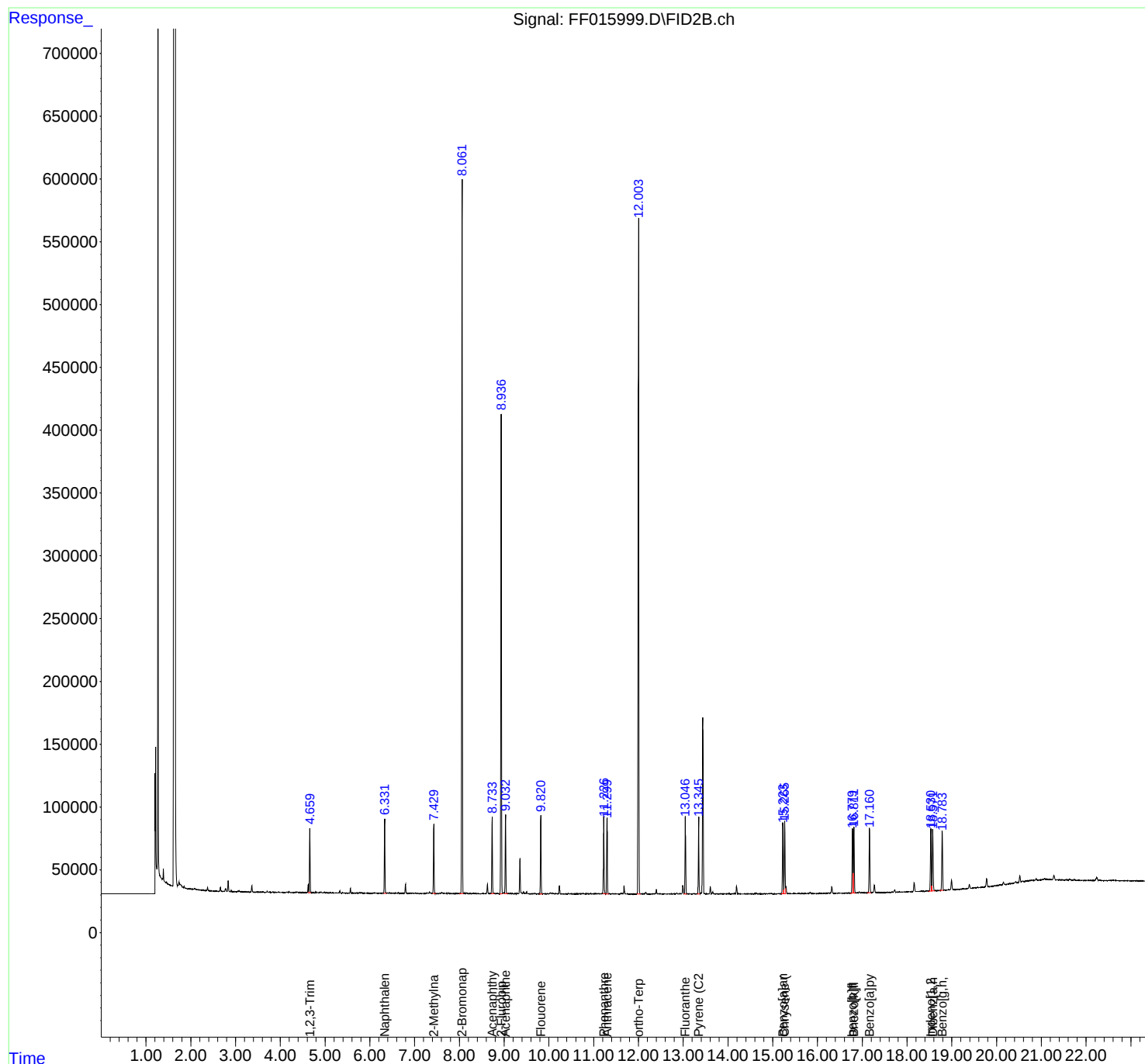
Instrument :  
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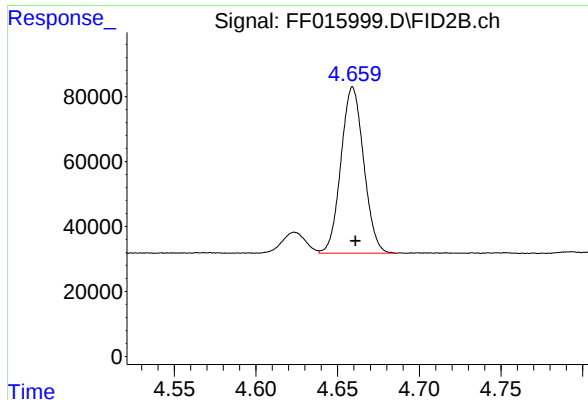
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Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.659 min  
Delta R.T.: -0.002 min  
Response: 494935  
Conc: 4.00 ug/ml

Instrument :

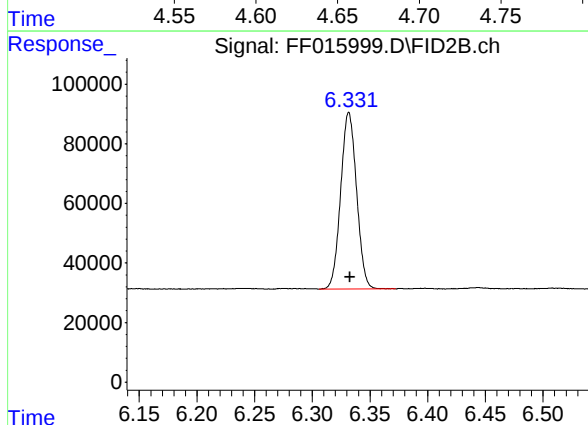
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ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

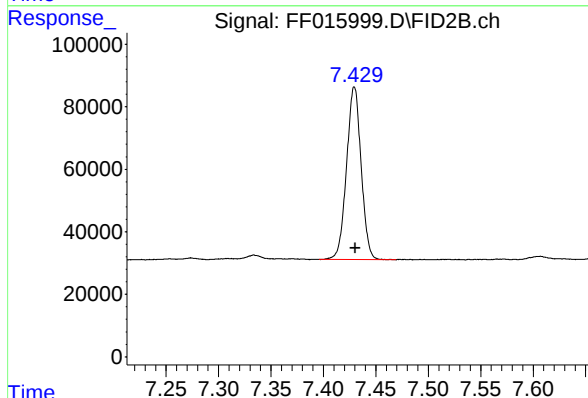
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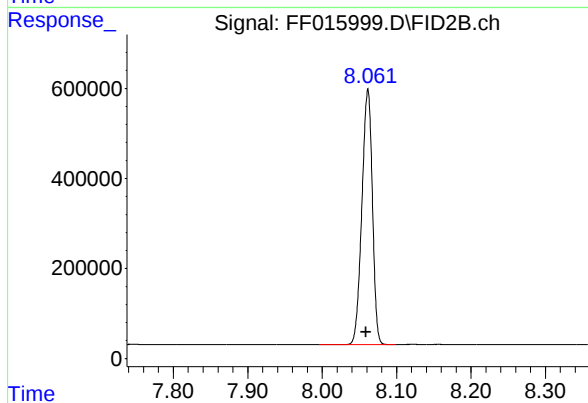
#2 Naphthalene (C11.7)

R.T.: 6.332 min  
Delta R.T.: -0.001 min  
Response: 567423  
Conc: 4.34 ug/ml



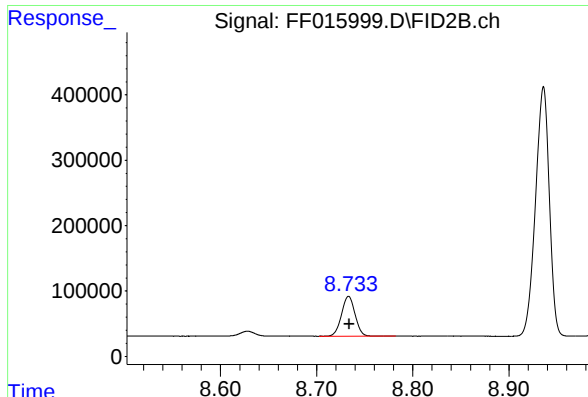
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.429 min  
Delta R.T.: 0.000 min  
Response: 535572  
Conc: 4.04 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.061 min  
Delta R.T.: 0.002 min  
Response: 555181  
Conc: 48.89 ug/ml



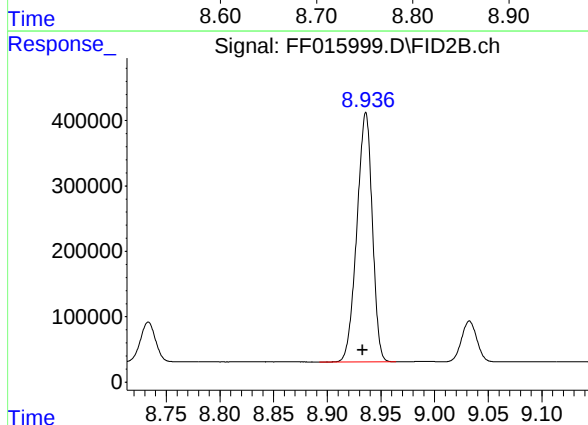
#5 Acenaphthylene (C15.06)

R.T.: 8.733 min  
Delta R.T.: 0.000 min  
Response: 598452  
Conc: 4.54 ug/ml

Instrument : FID\_F  
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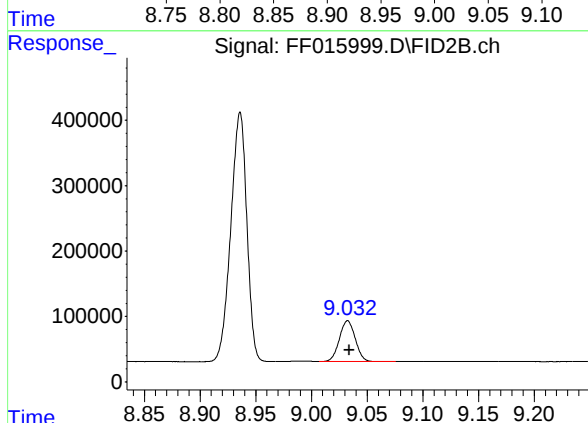
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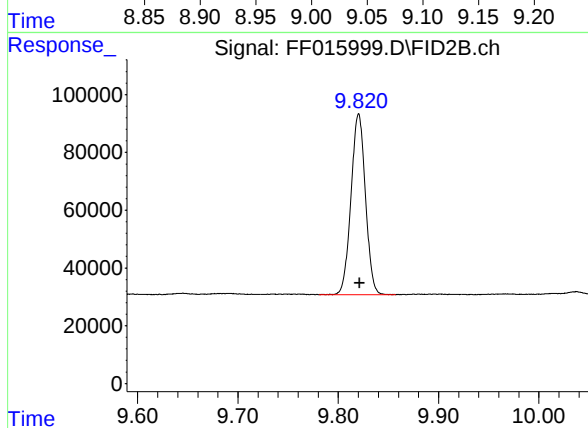
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.936 min  
Delta R.T.: 0.003 min  
Response: 3819535  
Conc: 49.07 ug/ml



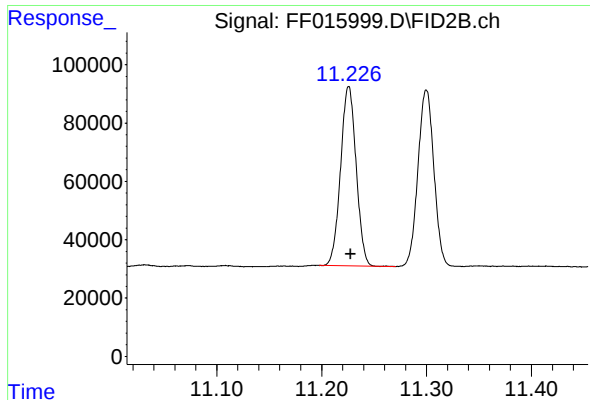
#7 Acenaphthene (C15.5)

R.T.: 9.033 min  
Delta R.T.: -0.001 min  
Response: 619817  
Conc: 4.75 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.820 min  
Delta R.T.: -0.001 min  
Response: 623926  
Conc: 4.80 ug/ml



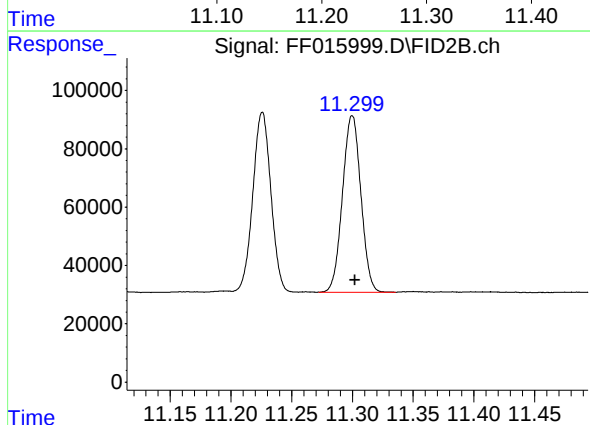
#9 Phenanthrene (C19.36)

R.T.: 11.226 min  
Delta R.T.: -0.002 min  
Response: 633414  
Conc: 4.88 ug/ml

Instrument :  
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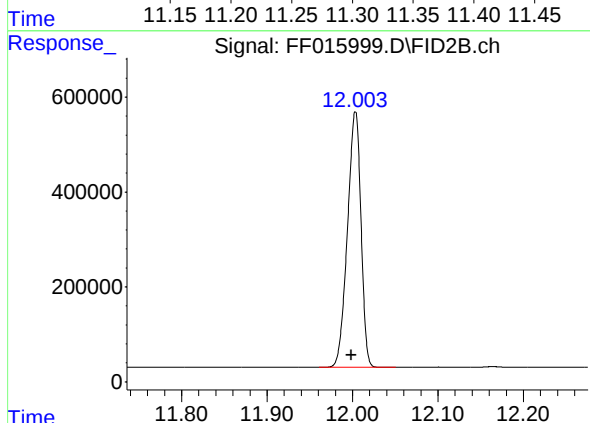
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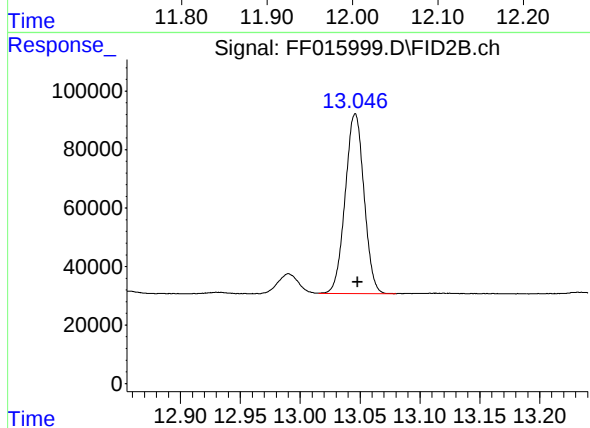
#10 Anthracene (C19.43)

R.T.: 11.300 min  
Delta R.T.: -0.002 min  
Response: 638710  
Conc: 4.95 ug/ml



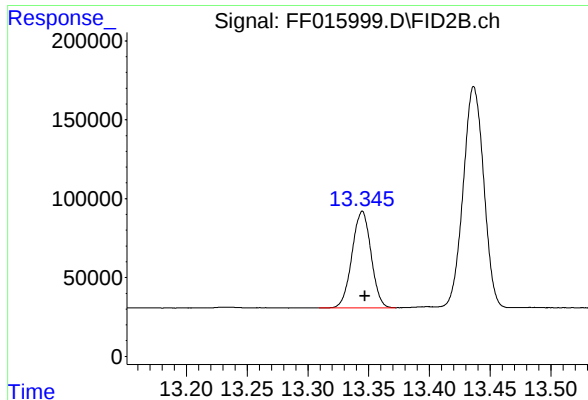
#11 ortho-Terphenyl (SURR)

R.T.: 12.003 min  
Delta R.T.: 0.004 min  
Response: 5919391  
Conc: 44.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.046 min  
Delta R.T.: -0.002 min  
Response: 672248  
Conc: 5.15 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.345 min  
Delta R.T.: -0.002 min  
Response: 668401  
Conc: 5.16 ug/ml

Instrument :

FID\_F

ClientSampleId :

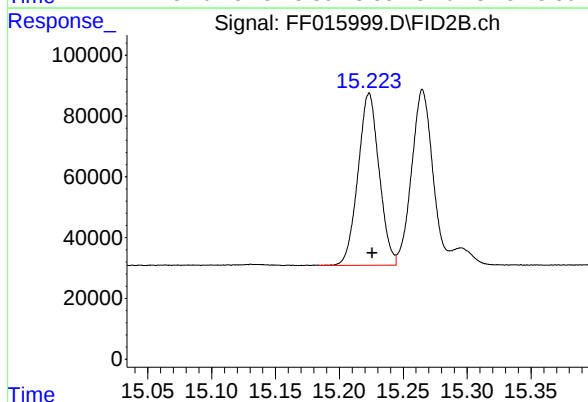
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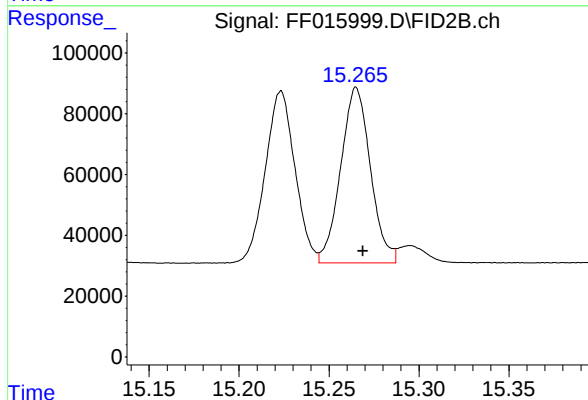
Reviewed By :Yogesh Patel 06/17/2025

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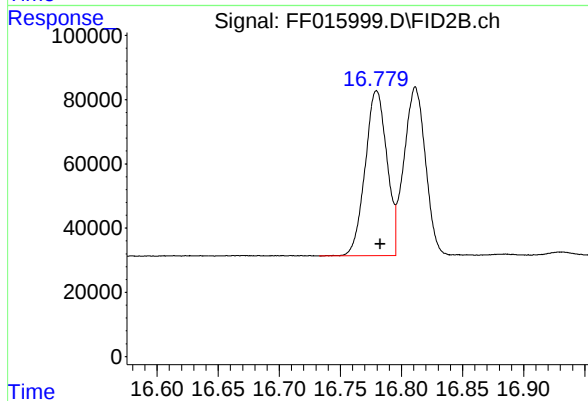
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.223 min  
Delta R.T.: -0.002 min  
Response: 651858  
Conc: 5.17 ug/ml



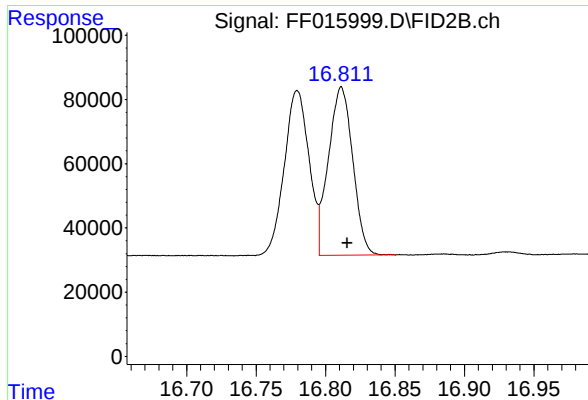
#15 Chrysene (C27.41)

R.T.: 15.265 min  
Delta R.T.: -0.004 min  
Response: 664544  
Conc: 5.21 ug/ml m



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

R.T.: 16.780 min  
Delta R.T.: -0.003 min  
Response: 635904  
Conc: 5.08 ug/ml



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

R.T.: 16.811 min  
Delta R.T.: -0.004 min  
Response: 639928  
Conc: 5.40 ug/ml

Instrument :

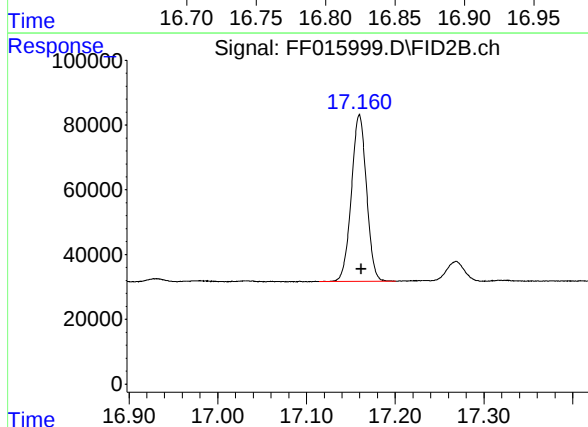
FID\_F

ClientSampleId :

LOD-MDL-WATER-01-QT2-2025

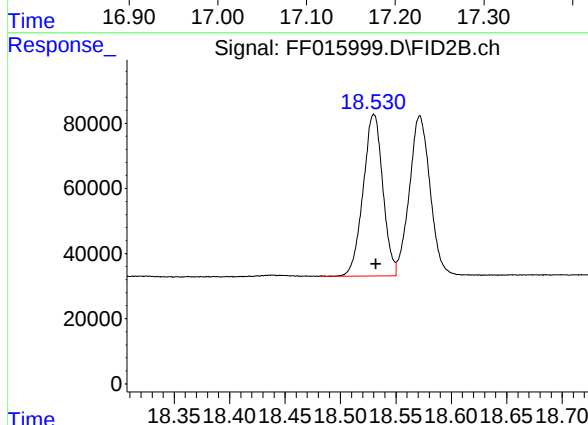
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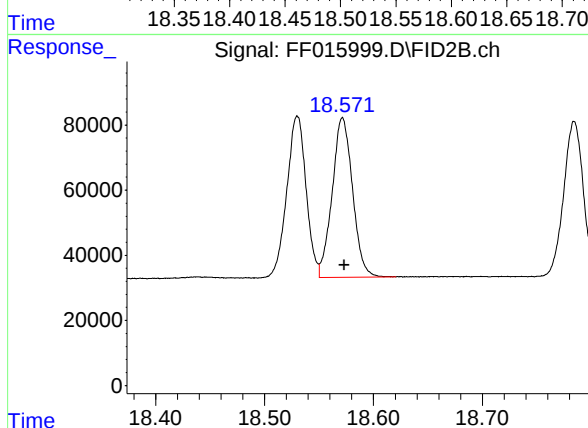
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.160 min  
Delta R.T.: -0.002 min  
Response: 609314  
Conc: 4.99 ug/ml



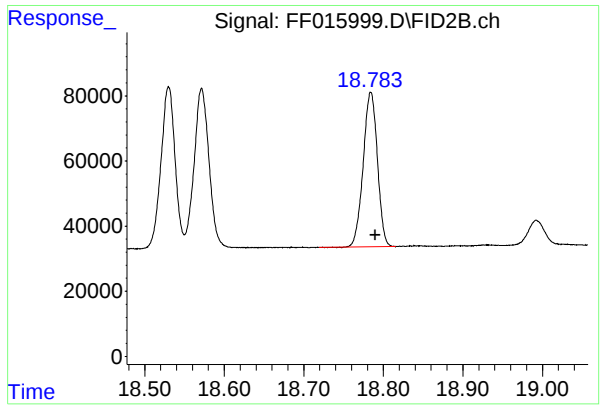
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.530 min  
Delta R.T.: -0.002 min  
Response: 610728  
Conc: 5.47 ug/ml



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

R.T.: 18.572 min  
Delta R.T.: -0.002 min  
Response: 636571  
Conc: 5.47 ug/ml



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

R.T.: 18.784 min  
Delta R.T.: -0.006 min  
Response: 589226  
Conc: 5.06 ug/ml

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