

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG102224AR\  
 Data File : FG014488.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Oct 2024 12:50  
 Operator : YP\AJ  
 Sample : P4368-07  
 Misc : 4 PPM WATER LOD  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2024

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2024  
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e  
 Quant Time: Oct 23 02:43:11 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 102124.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 22 04:38:07 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...      | 8.035  | 7241348    | 57.684 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 115.37%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.910  | 4479822    | 52.009 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 104.02%      |
| 11) S ortho-Terphenyl (SURR)       | 11.982 | 7604154    | 51.359 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 102.72%      |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.636  | 458123     | 3.381 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.307  | 535829     | 3.734 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.404  | 556289     | 3.809 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.707  | 566083     | 3.888 ug/mlm |
| 7) T Acenaphthene (C15.5)          | 9.007  | 548746     | 3.792 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.796  | 579223     | 3.998 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.204 | 593690     | 4.034 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.278 | 595370     | 4.246 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 13.025 | 620795     | 4.198 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.324 | 628075     | 4.272 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.202 | 637264     | 4.400 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.243 | 642362     | 4.379 ug/mlm |
| 16) T benzo[b]fluoranthene ...     | 16.757 | 623783     | 4.241 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 16.788 | 639399     | 4.633 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.136 | 596826     | 4.185 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.503 | 617920     | 4.630 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.546 | 691459     | 4.955 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.758 | 563888     | 4.053 ug/ml  |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 18 Sample Multiplier: 1

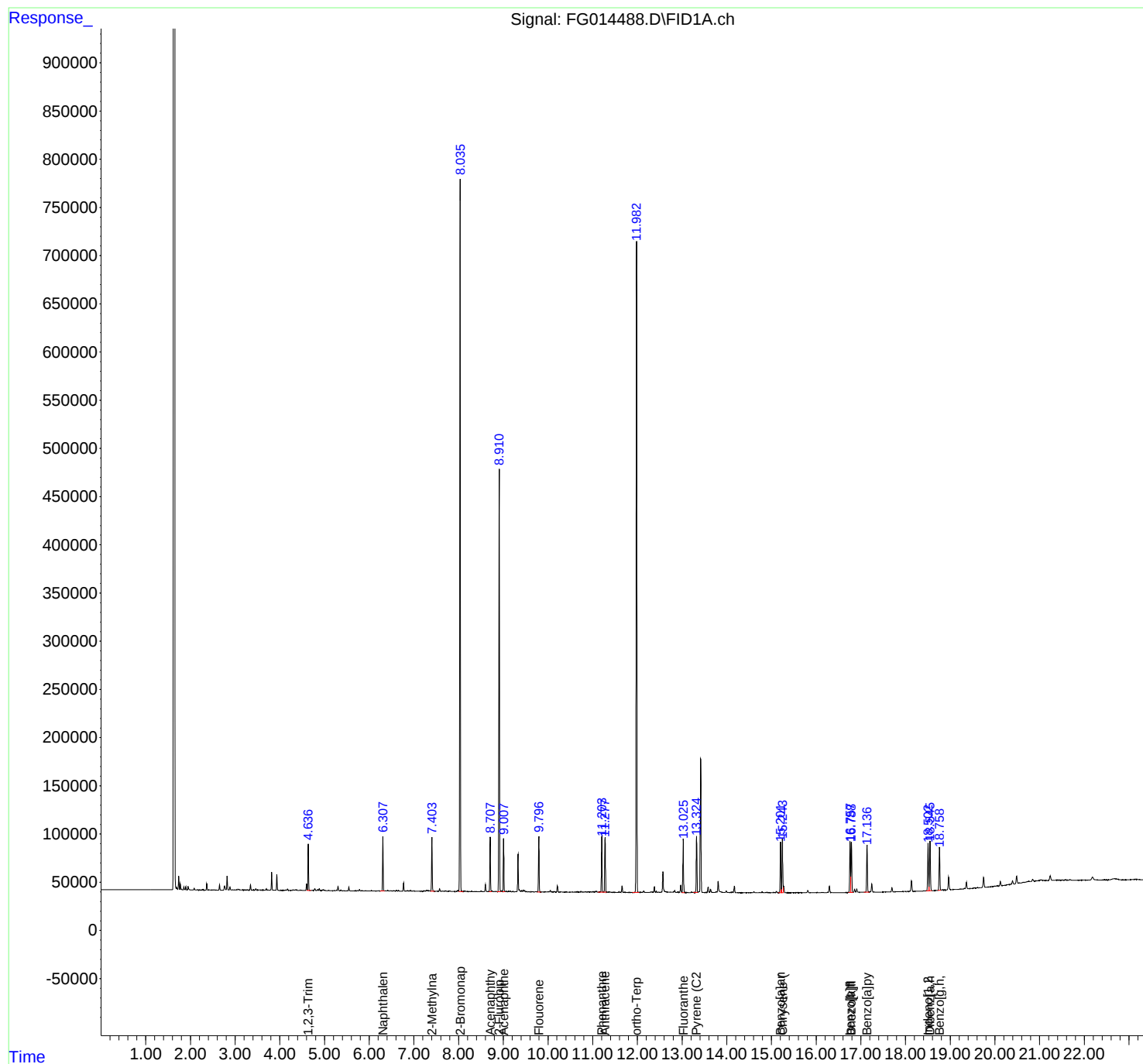
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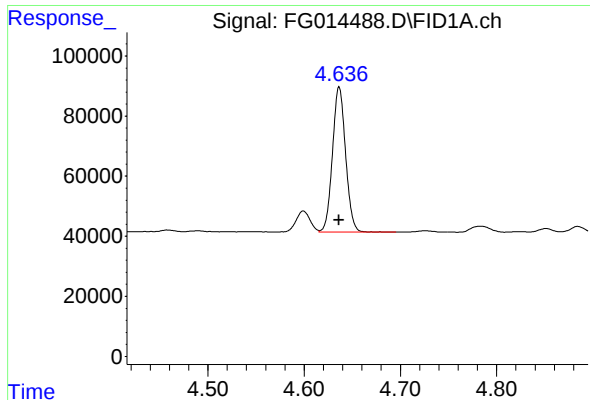
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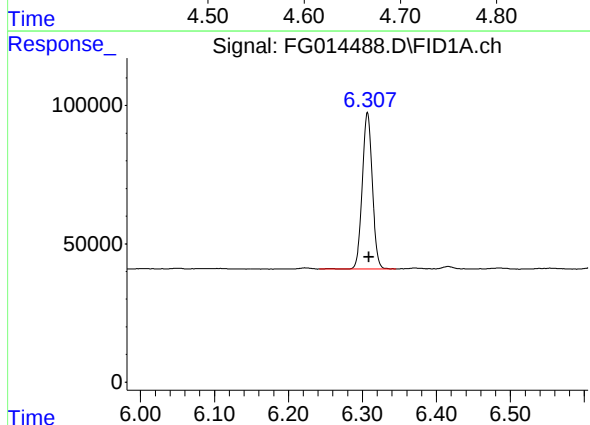
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.636 min  
Delta R.T.: 0.000 min  
Response: 458123  
Conc: 3.38 ug/ml

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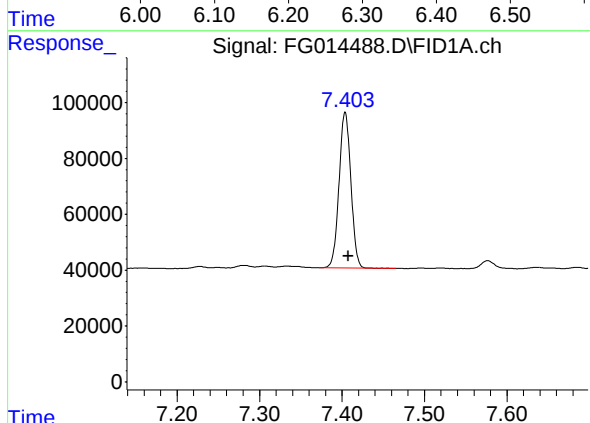
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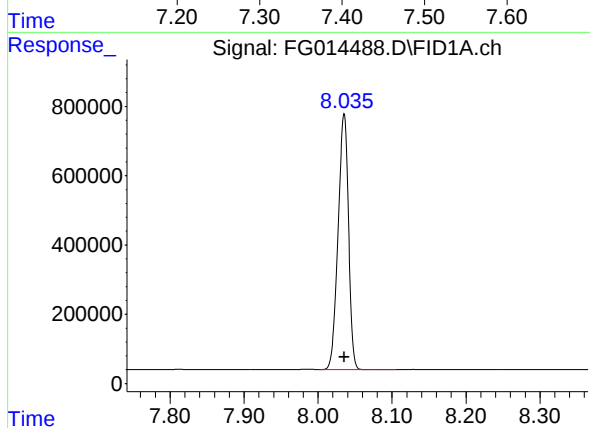
#2 Naphthalene (C11.7)

R.T.: 6.307 min  
Delta R.T.: -0.002 min  
Response: 535829  
Conc: 3.73 ug/ml



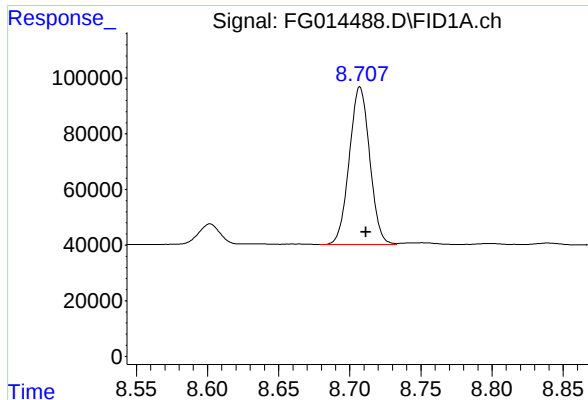
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.404 min  
Delta R.T.: -0.004 min  
Response: 556289  
Conc: 3.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.035 min  
Delta R.T.: 0.000 min  
Response: 7241348  
Conc: 57.68 ug/ml



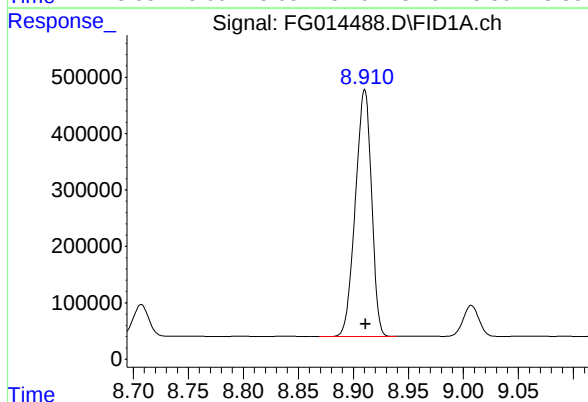
#5 Acenaphthylene (C15.06)

R.T.: 8.707 min  
Delta R.T.: -0.005 min  
Response: 566083  
Conc: 3.89 ug/ml

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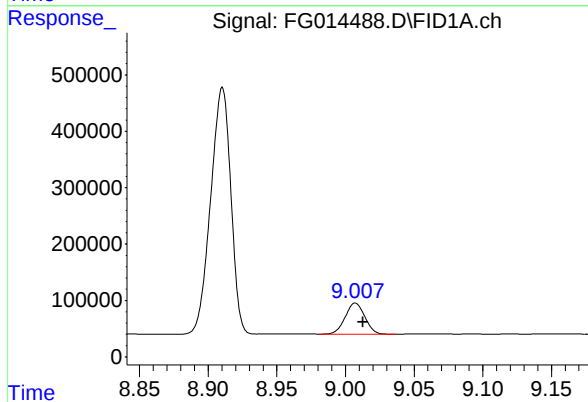
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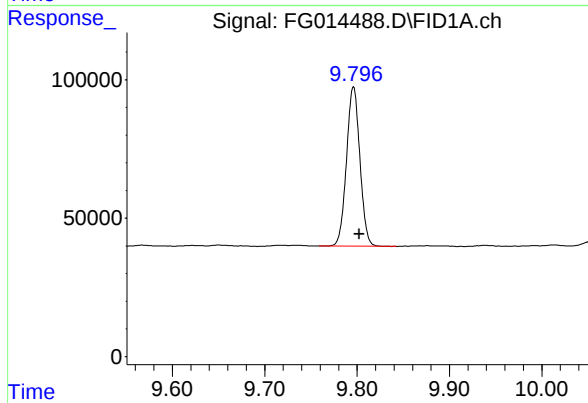
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.910 min  
Delta R.T.: -0.001 min  
Response: 4479822  
Conc: 52.01 ug/ml



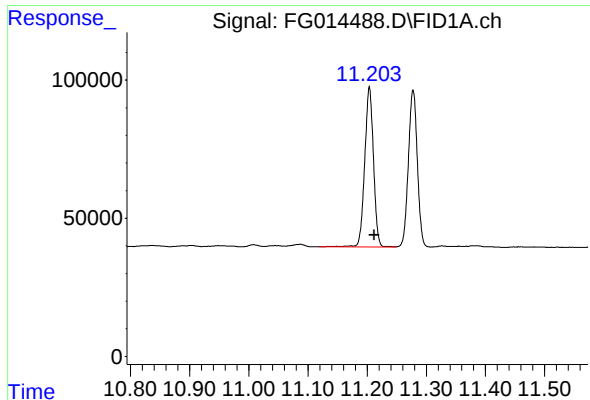
#7 Acenaphthene (C15.5)

R.T.: 9.007 min  
Delta R.T.: -0.005 min  
Response: 548746  
Conc: 3.79 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.796 min  
Delta R.T.: -0.007 min  
Response: 579223  
Conc: 4.00 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.204 min  
Delta R.T.: -0.008 min  
Response: 593690  
Conc: 4.03 ug/ml

Instrument :

FID\_G

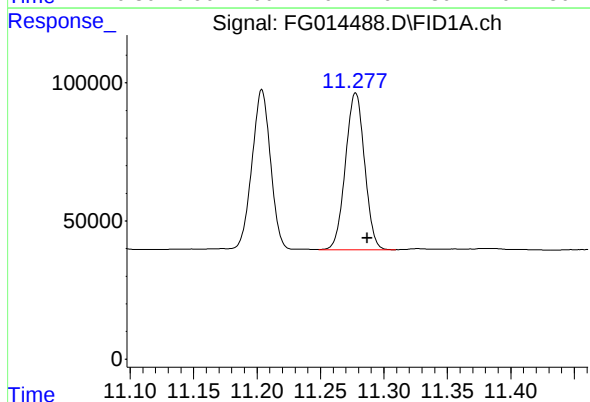
ClientSampleId :

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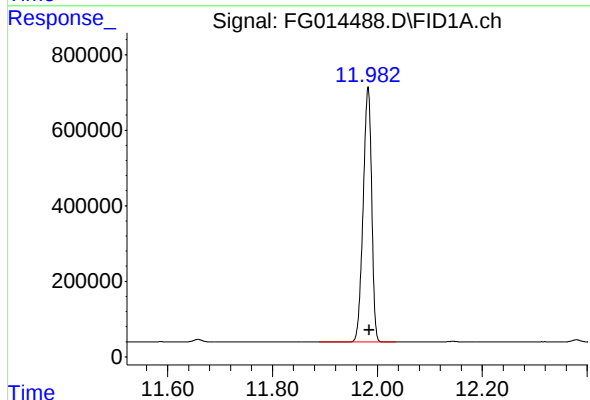
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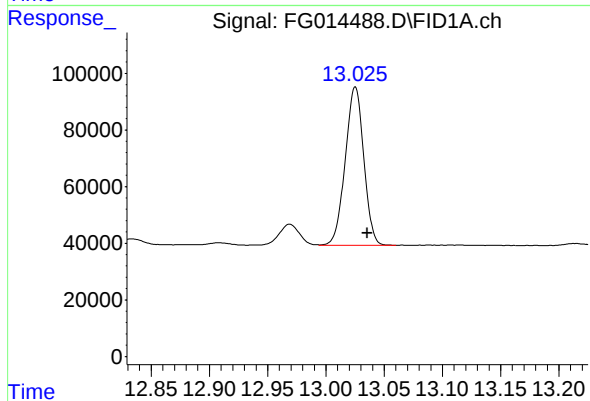
#10 Anthracene (C19.43)

R.T.: 11.278 min  
Delta R.T.: -0.009 min  
Response: 595370  
Conc: 4.25 ug/ml



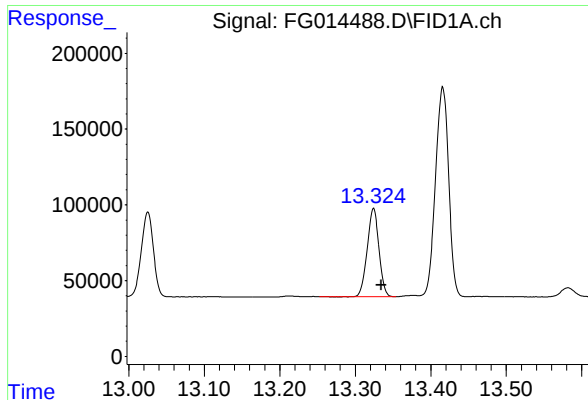
#11 ortho-Terphenyl (SURR)

R.T.: 11.982 min  
Delta R.T.: -0.003 min  
Response: 7604154  
Conc: 51.36 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.025 min  
Delta R.T.: -0.010 min  
Response: 620795  
Conc: 4.20 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.324 min  
Delta R.T.: -0.010 min  
Response: 628075  
Conc: 4.27 ug/ml

Instrument :

FID\_G

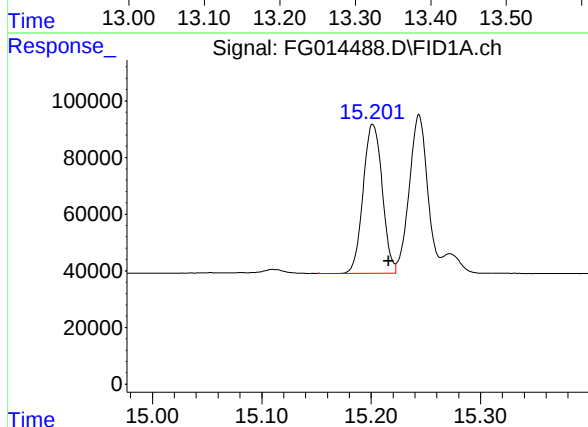
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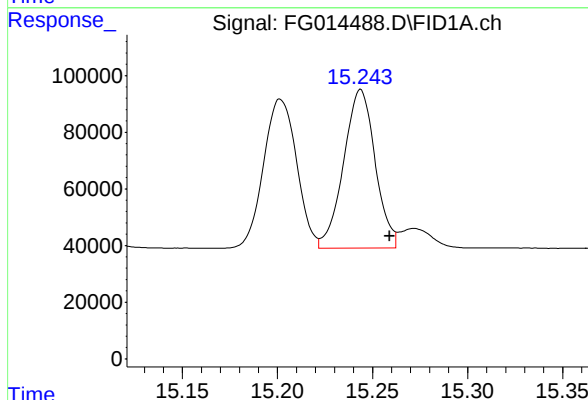
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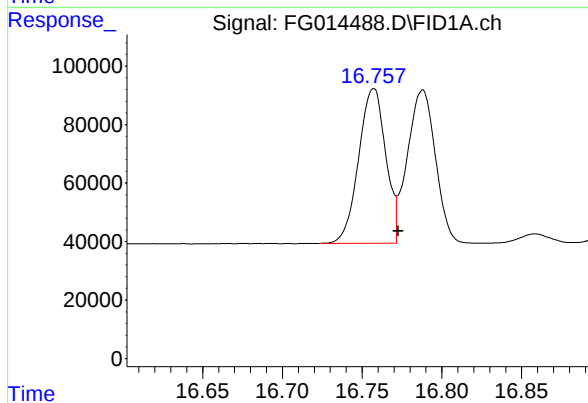
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.202 min  
Delta R.T.: -0.014 min  
Response: 637264  
Conc: 4.40 ug/ml



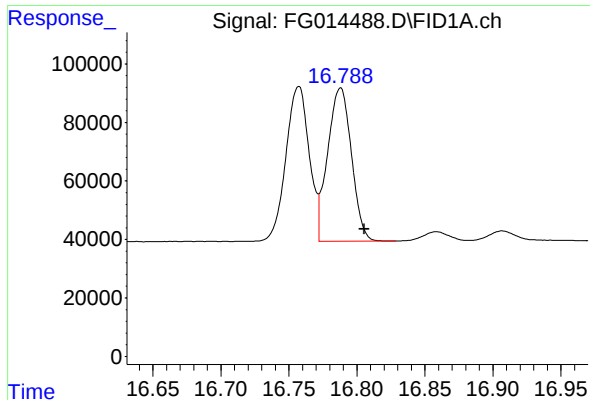
#15 Chrysene (C27.41)

R.T.: 15.243 min  
Delta R.T.: -0.016 min  
Response: 642362  
Conc: 4.38 ug/ml m



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

R.T.: 16.757 min  
Delta R.T.: -0.016 min  
Response: 623783  
Conc: 4.24 ug/ml m



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

R.T.: 16.788 min  
Delta R.T.: -0.018 min  
Response: 639399  
Conc: 4.63 ug/ml

Instrument :

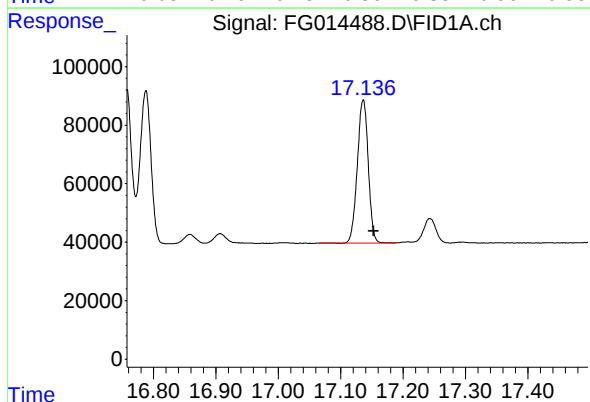
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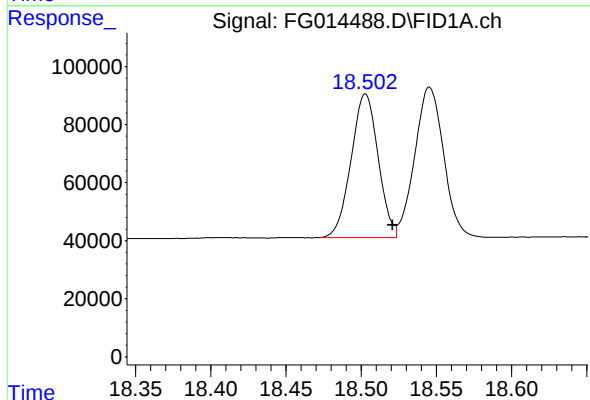
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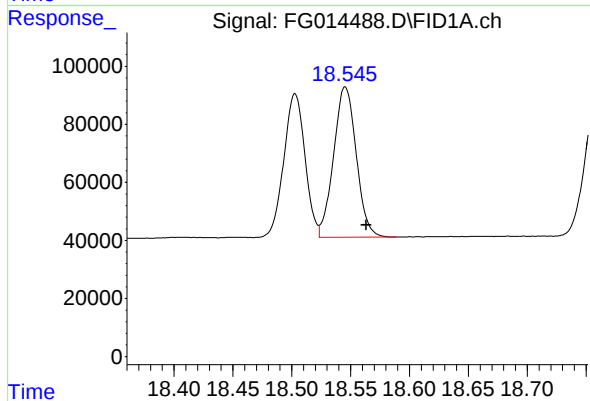
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.136 min  
Delta R.T.: -0.017 min  
Response: 596826  
Conc: 4.18 ug/ml



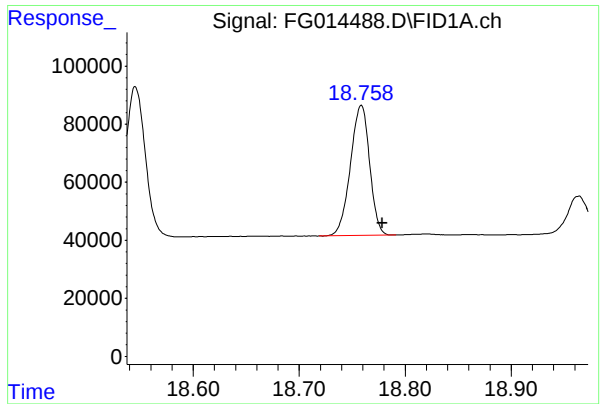
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.503 min  
Delta R.T.: -0.018 min  
Response: 617920  
Conc: 4.63 ug/ml



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

R.T.: 18.546 min  
Delta R.T.: -0.018 min  
Response: 691459  
Conc: 4.95 ug/ml



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

R.T.: 18.758 min  
Delta R.T.: -0.020 min  
Response: 563888  
Conc: 4.05 ug/ml

Instrument :

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