

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD052025AR\  
 Data File : FD049350.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 May 2025 13:14  
 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 05/21/2025  
 Supervised By :mohammad ahmed 05/22/2025

Integration File: sample.E  
 Quant Time: May 21 03:13:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 050125.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 01 13:29:48 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...      | 7.734  | 2520723    | 21.259 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 42.52%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.599  | 1681439    | 21.292 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 42.58%        |
| 11) S ortho-Terphenyl (SURR)       | 11.646 | 3120626    | 22.610 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 45.22%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.524  | 2476290    | 19.833 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.069  | 2661780    | 20.134 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.123  | 2689745    | 20.850 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.403  | 2965235    | 21.005 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.699  | 2925316    | 21.351 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.480  | 2941196    | 21.608 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.880 | 2871092    | 21.295 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.953 | 2163466    | 18.293 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.694 | 2840940    | 21.081 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.993 | 2813570    | 20.799 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.864 | 2276477    | 19.874 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.906 | 2367929    | 20.288 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.414 | 2366013    | 19.492 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.446 | 2288041    | 19.185 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.792 | 2087841    | 18.158 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.157 | 1987635    | 18.112 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.197 | 2253685    | 21.339 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.411 | 2165748    | 18.174 ug/mlm |
| -----                              |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
Sample : 20 PPM AROMATIC HC STD  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

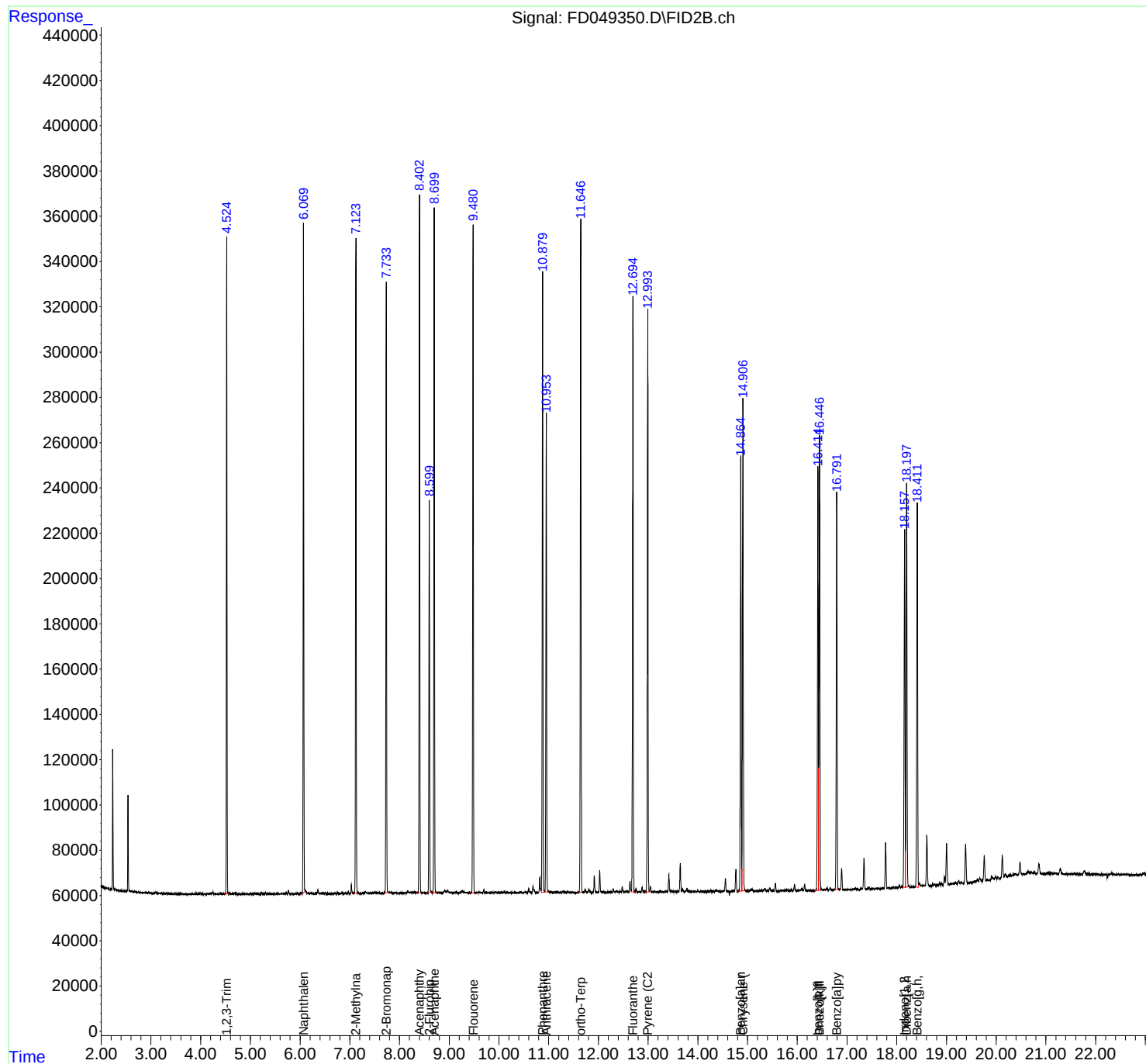
Instrument :  
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ClientSampleId :  
20 PPM AROMATIC HC STD

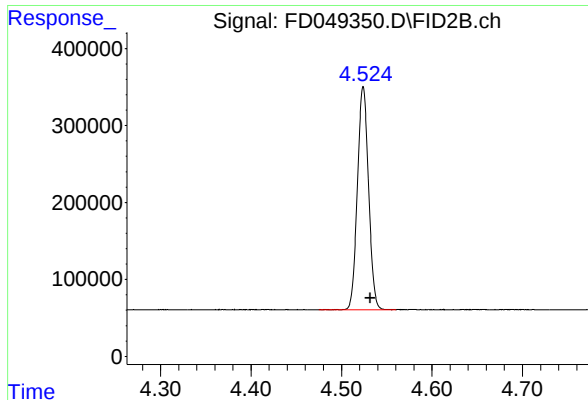
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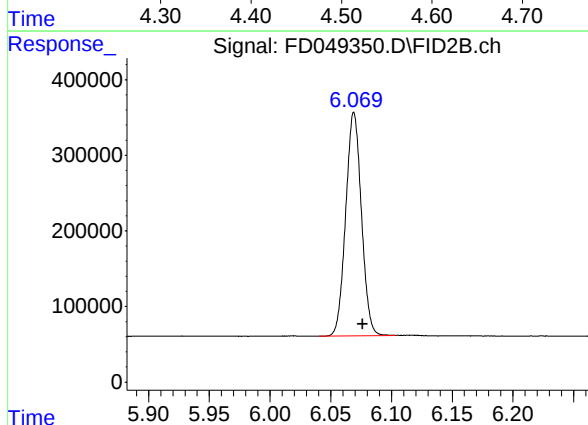
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.524 min  
Delta R.T.: -0.008 min  
Response: 2476290  
Conc: 19.83 ug/ml

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20 PPM AROMATIC HC STD

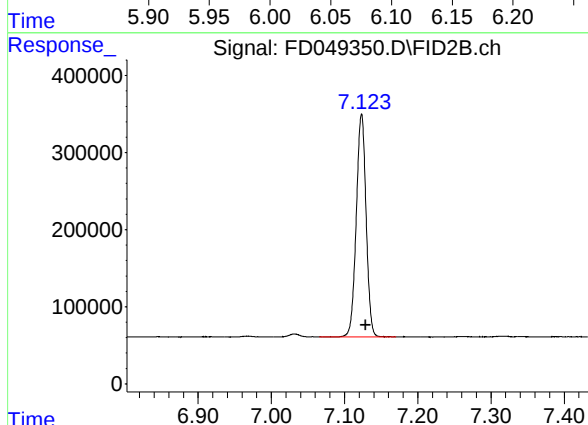
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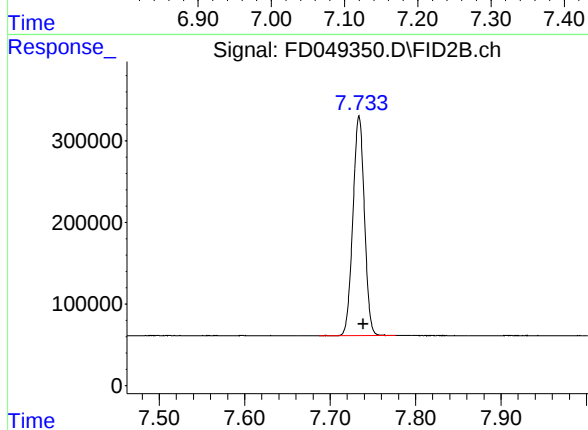
#2 Naphthalene (C11.7)

R.T.: 6.069 min  
Delta R.T.: -0.007 min  
Response: 2661780  
Conc: 20.13 ug/ml



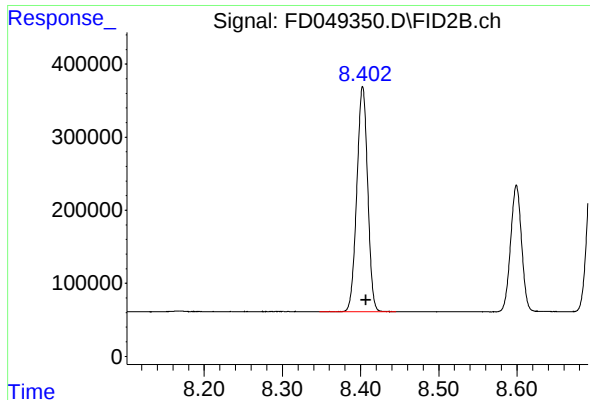
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.123 min  
Delta R.T.: -0.005 min  
Response: 2689745  
Conc: 20.85 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.734 min  
Delta R.T.: -0.005 min  
Response: 2520723  
Conc: 21.26 ug/ml



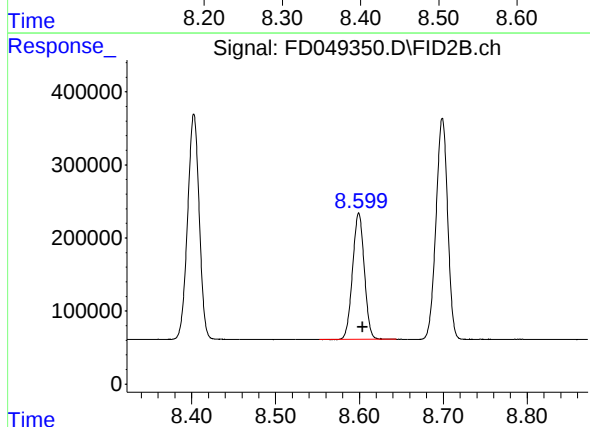
#5 Acenaphthylene (C15.06)

R.T.: 8.403 min  
Delta R.T.: -0.004 min  
Response: 2965235  
Conc: 21.01 ug/ml

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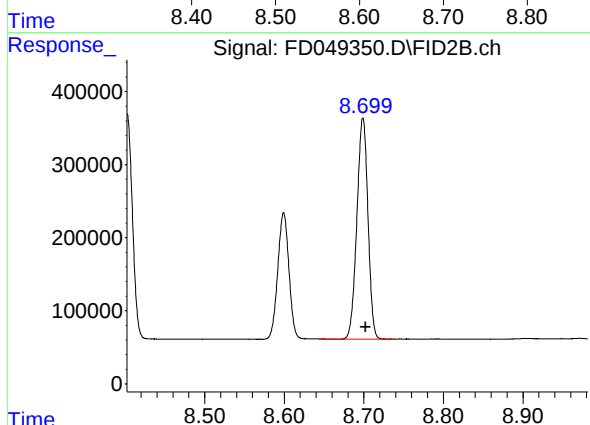
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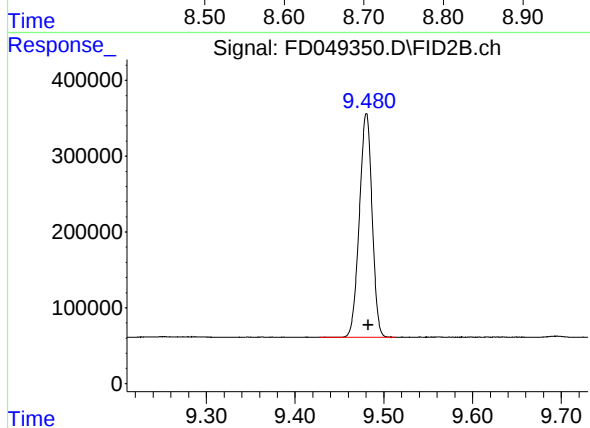
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min  
Delta R.T.: -0.004 min  
Response: 1681439  
Conc: 21.29 ug/ml



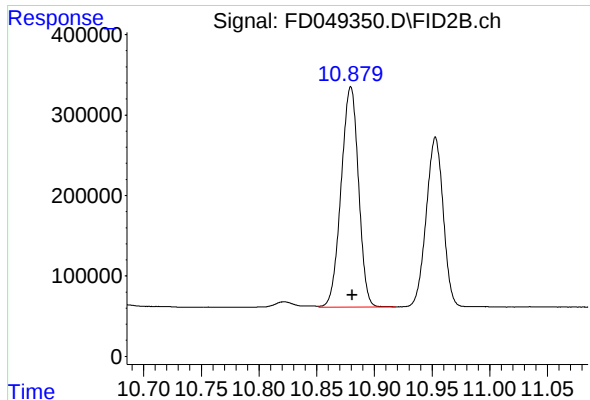
#7 Acenaphthene (C15.5)

R.T.: 8.699 min  
Delta R.T.: -0.003 min  
Response: 2925316  
Conc: 21.35 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.480 min  
Delta R.T.: -0.002 min  
Response: 2941196  
Conc: 21.61 ug/ml



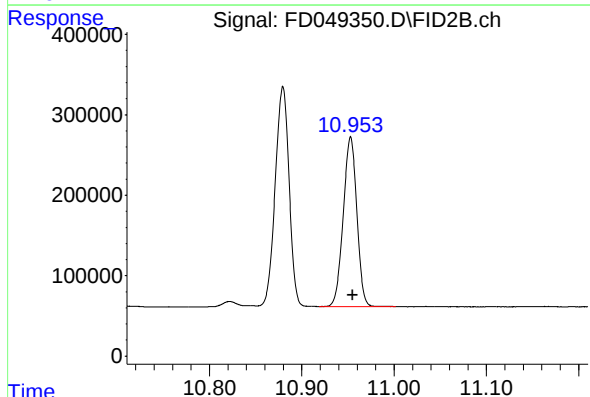
#9 Phenanthrene (C19.36)

R.T.: 10.880 min  
Delta R.T.: -0.001 min  
Response: 2871092  
Conc: 21.30 ug/ml

Instrument :  
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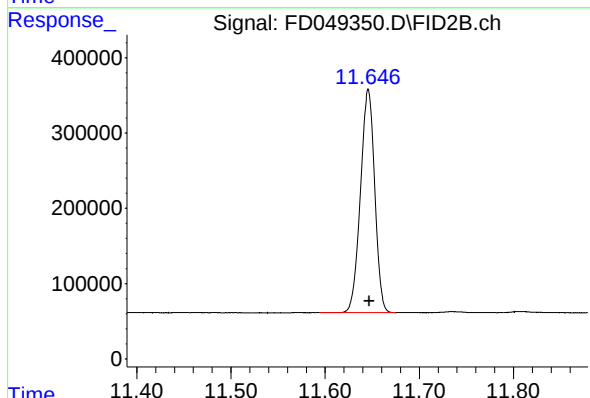
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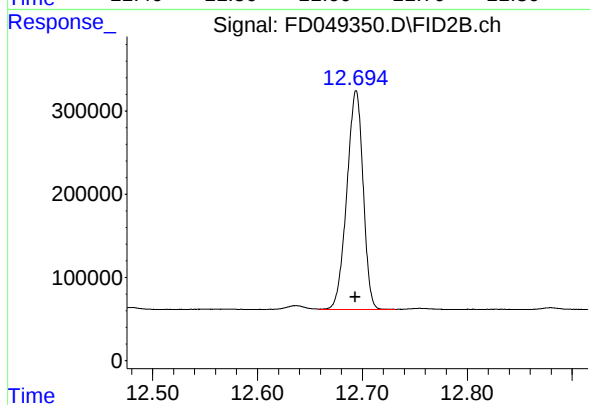
#10 Anthracene (C19.43)

R.T.: 10.953 min  
Delta R.T.: -0.002 min  
Response: 2163466  
Conc: 18.29 ug/ml



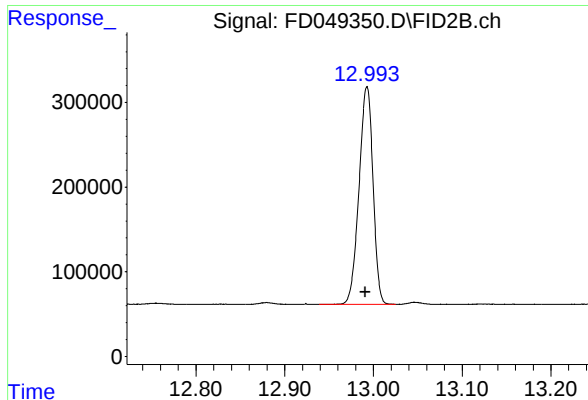
#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min  
Delta R.T.: -0.001 min  
Response: 3120626  
Conc: 22.61 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.694 min  
Delta R.T.: 0.000 min  
Response: 2840940  
Conc: 21.08 ug/ml



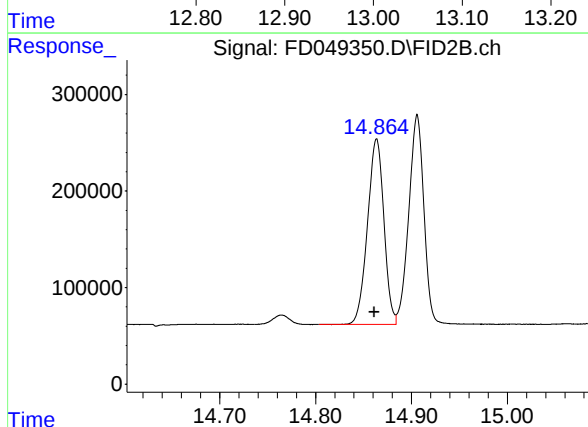
#13 Pyrene (C20.8)

R.T.: 12.993 min  
Delta R.T.: 0.002 min  
Response: 2813570  
Conc: 20.80 ug/ml

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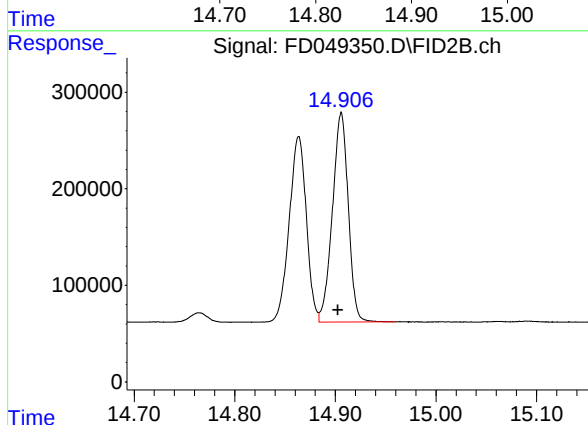
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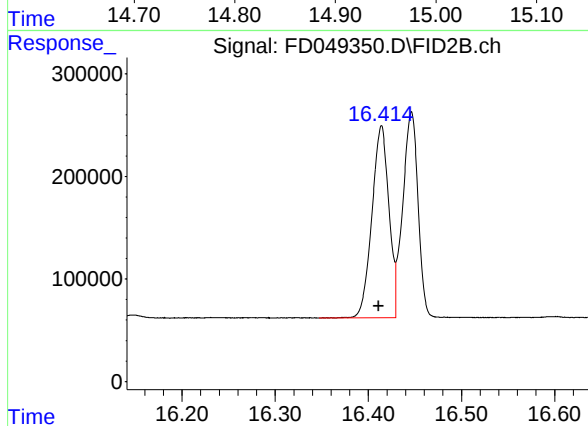
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.864 min  
Delta R.T.: 0.002 min  
Response: 2276477  
Conc: 19.87 ug/ml



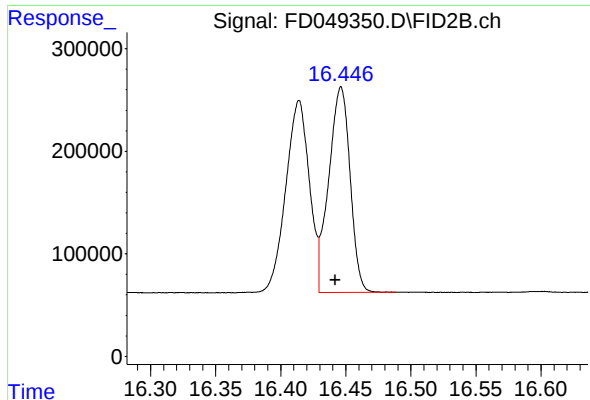
#15 Chrysene (C27.41)

R.T.: 14.906 min  
Delta R.T.: 0.003 min  
Response: 2367929  
Conc: 20.29 ug/ml



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

R.T.: 16.414 min  
Delta R.T.: 0.003 min  
Response: 2366013  
Conc: 19.49 ug/ml



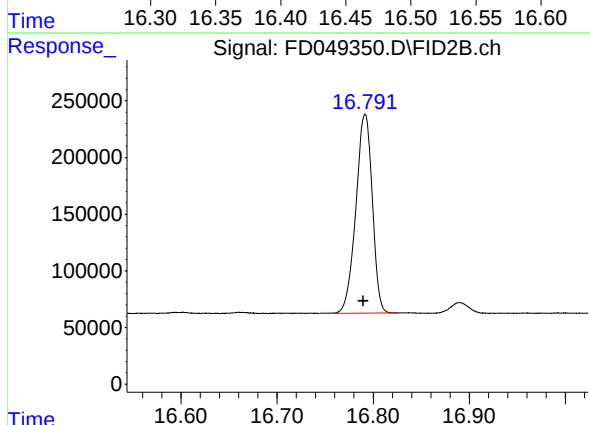
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.446 min  
Delta R.T.: 0.004 min  
Response: 2288041  
Conc: 19.18 ug/ml

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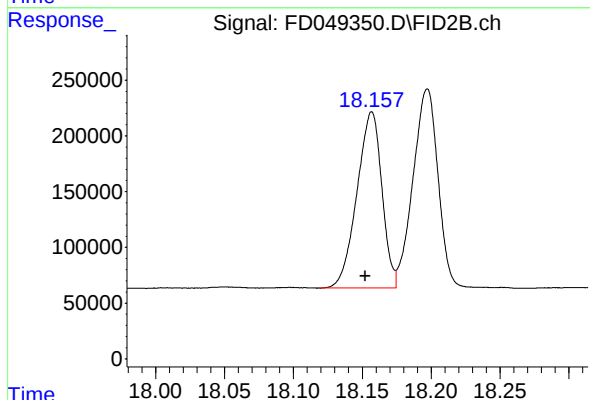
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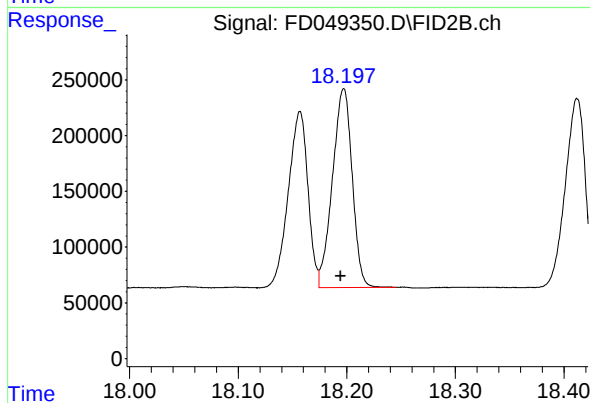
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.792 min  
Delta R.T.: 0.002 min  
Response: 2087841  
Conc: 18.16 ug/ml



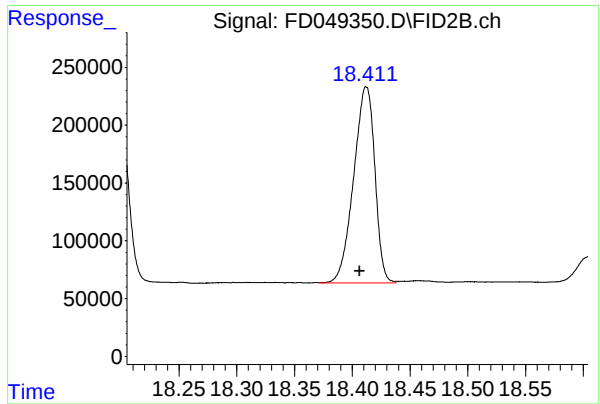
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.157 min  
Delta R.T.: 0.005 min  
Response: 1987635  
Conc: 18.11 ug/ml



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

R.T.: 18.197 min  
Delta R.T.: 0.003 min  
Response: 2253685  
Conc: 21.34 ug/ml



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

R.T.: 18.411 min  
Delta R.T.: 0.005 min  
Response: 2165748  
Conc: 18.17 ug/ml

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