

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF082124AR\  
 Data File : FF014451.D  
 Signal(s) : FID2B.ch  
 Acq On : 21 Aug 2024 10:14  
 Operator : YP\AJ  
 Sample : P3390-01  
 Misc : 2.5PPM SOIL LOD  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2024

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :Ankita Jodhani 08/22/2024

Integration File: autoint1.e  
 Quant Time: Aug 22 03:08:11 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aromatic EPH 082024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 20 15:55:53 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...      | 7.875  | 5868763    | 52.413 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 104.83%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.745  | 3601032    | 53.788 ug/ml |
| Spiked Amount 50.000 Range 0 - 130 |        | Recovery = | 107.58%      |
| 11) S ortho-Terphenyl (SURR)       | 11.807 | 6358594    | 44.134 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 88.27%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.491  | 232991     | 1.749 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.161  | 237187     | 1.782 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.257  | 244208     | 1.829 ug/mlm |
| 5) T Acenaphthylene (C15.06)       | 8.548  | 265844     | 1.985 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.843  | 442590     | 3.102 ug/mlm |
| 8) T Flouorene (C16.55)            | 9.641  | 238090     | 1.836 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.046 | 206683     | 1.622 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.125 | 239632     | 1.796 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.864 | 262844     | 1.913 ug/ml  |
| 13) T Pyrene (C20.8)               | 13.157 | 253299     | 1.829 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.060 | 100347     | 0.892 ug/mlm |
| 15) T Chrysene (C27.41)            | 15.100 | 403124     | 2.581 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.612 | 130403     | 1.108 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.645 | 325989     | 2.247 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.004 | 147648     | 1.169 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.393 | 146624     | 1.754 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 18.393 | 152198     | 1.102 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.614 | 158239     | 1.290 ug/mlm |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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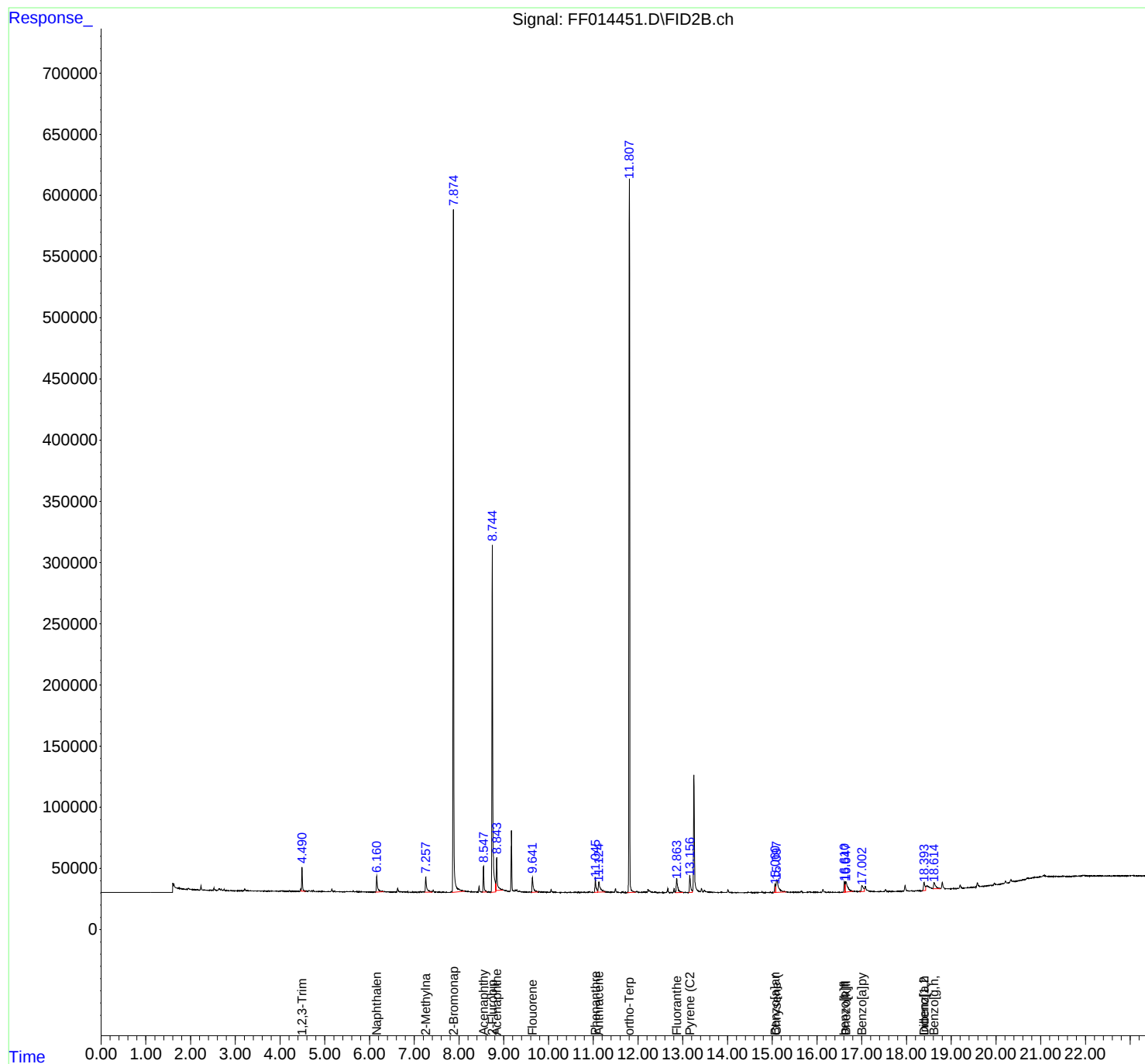
Instrument :  
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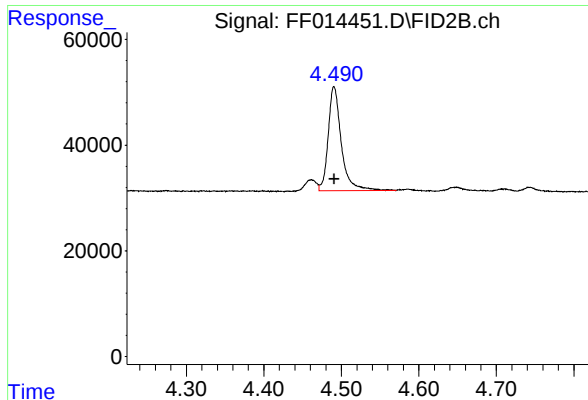
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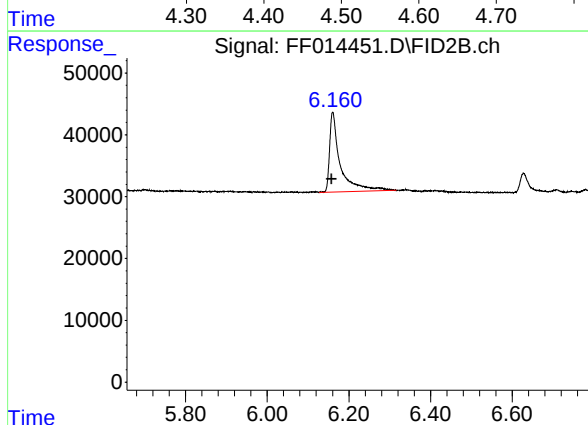
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.491 min  
Delta R.T.: 0.000 min  
Response: 232991  
Conc: 1.75 ug/ml

Instrument : FID\_F  
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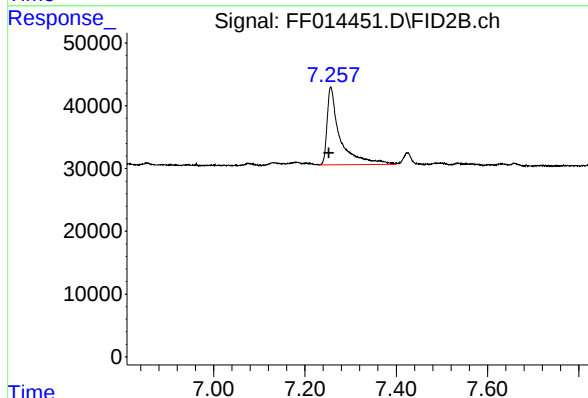
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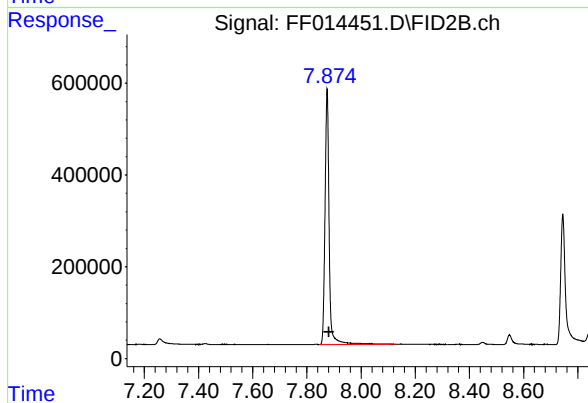
#2 Naphthalene (C11.7)

R.T.: 6.161 min  
Delta R.T.: 0.004 min  
Response: 237187  
Conc: 1.78 ug/ml



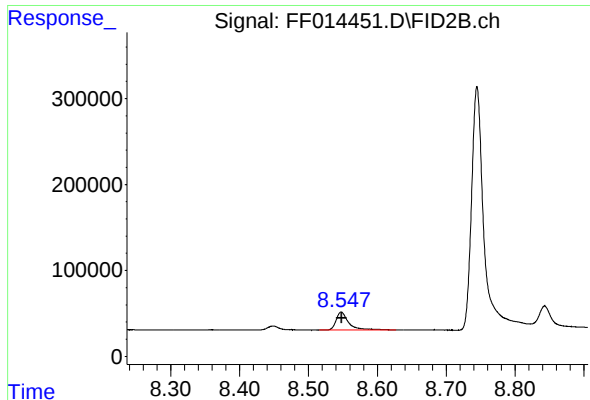
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.257 min  
Delta R.T.: 0.004 min  
Response: 244208  
Conc: 1.83 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.875 min  
Delta R.T.: -0.007 min  
Response: 5868763  
Conc: 52.41 ug/ml



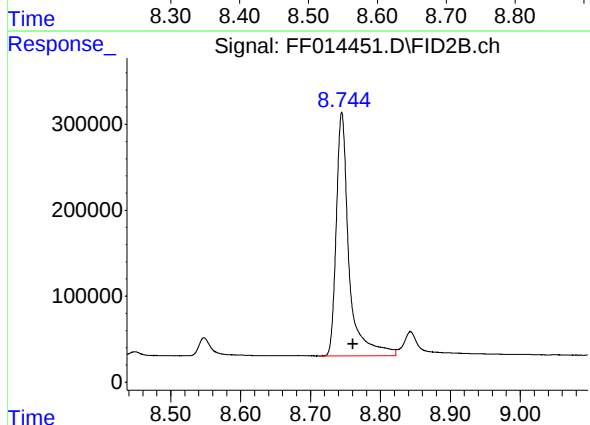
#5 Acenaphthylene (C15.06)

R.T.: 8.548 min  
Delta R.T.: 0.000 min  
Response: 265844  
Conc: 1.98 ug/ml

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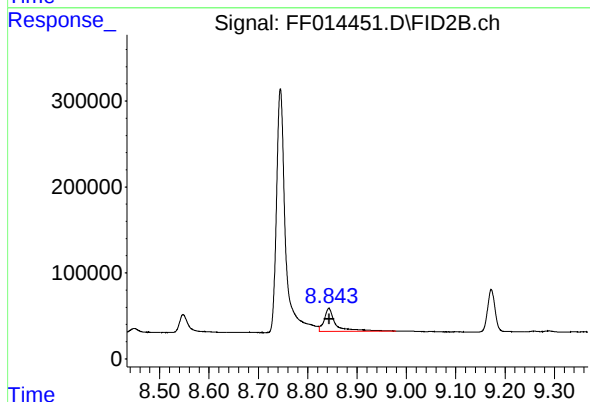
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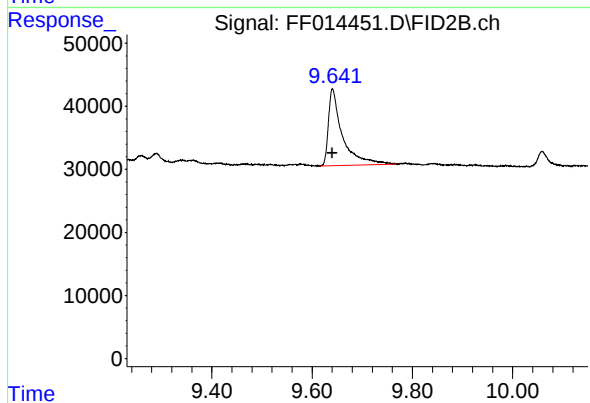
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.745 min  
Delta R.T.: -0.016 min  
Response: 3601032  
Conc: 53.79 ug/ml



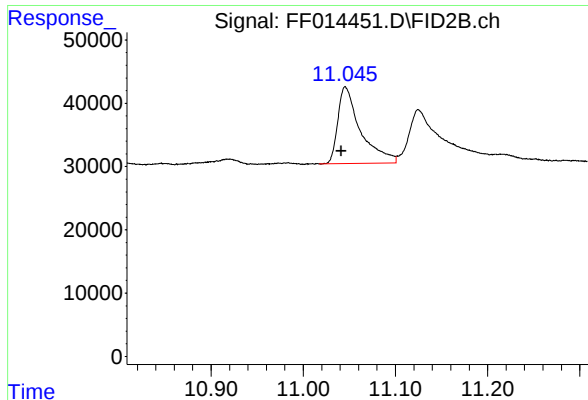
#7 Acenaphthene (C15.5)

R.T.: 8.843 min  
Delta R.T.: -0.001 min  
Response: 442590  
Conc: 3.10 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.641 min  
Delta R.T.: 0.001 min  
Response: 238090  
Conc: 1.84 ug/ml



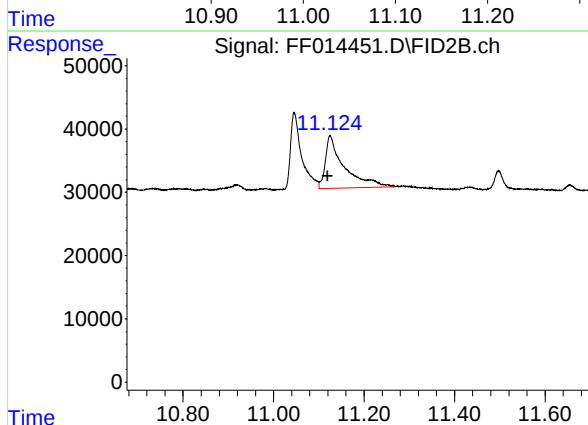
#9 Phenanthrene (C19.36)

R.T.: 11.046 min  
Delta R.T.: 0.005 min  
Response: 206683  
Conc: 1.62 ug/ml

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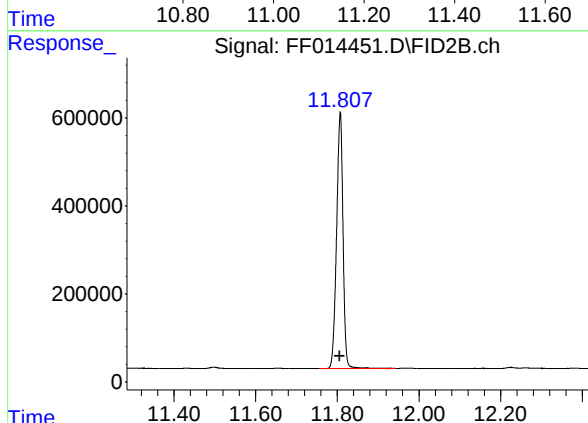
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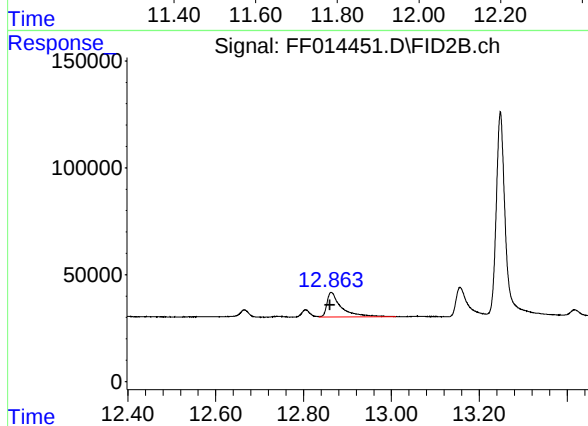
#10 Anthracene (C19.43)

R.T.: 11.125 min  
Delta R.T.: 0.005 min  
Response: 239632  
Conc: 1.80 ug/ml



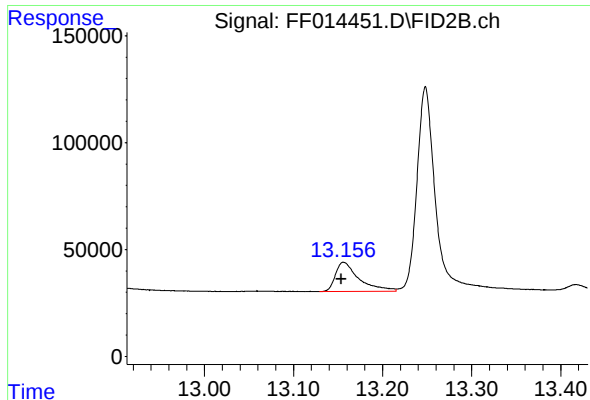
#11 ortho-Terphenyl (SURR)

R.T.: 11.807 min  
Delta R.T.: 0.001 min  
Response: 6358594  
Conc: 44.13 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.864 min  
Delta R.T.: 0.004 min  
Response: 262844  
Conc: 1.91 ug/ml



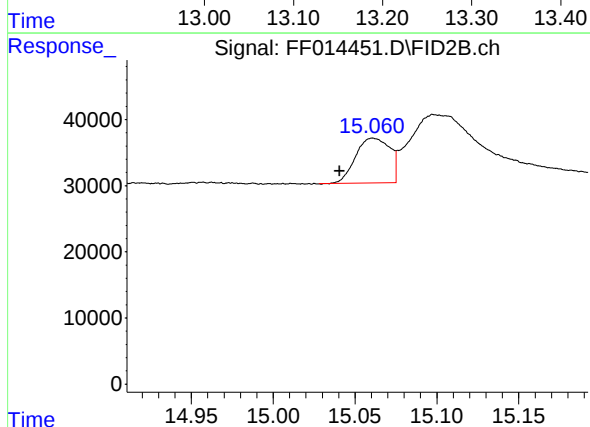
#13 Pyrene (C20.8)

R.T.: 13.157 min  
Delta R.T.: 0.003 min  
Response: 253299  
Conc: 1.83 ug/ml

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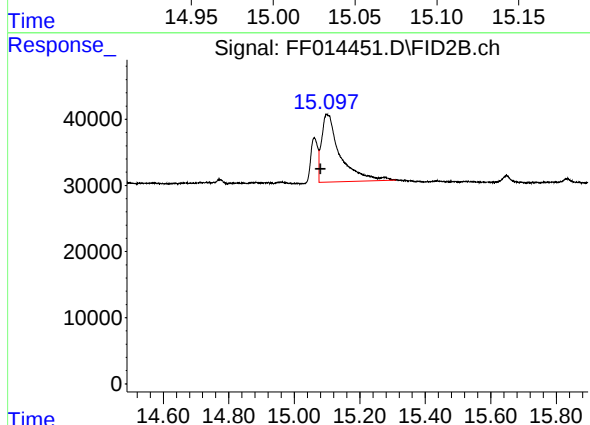
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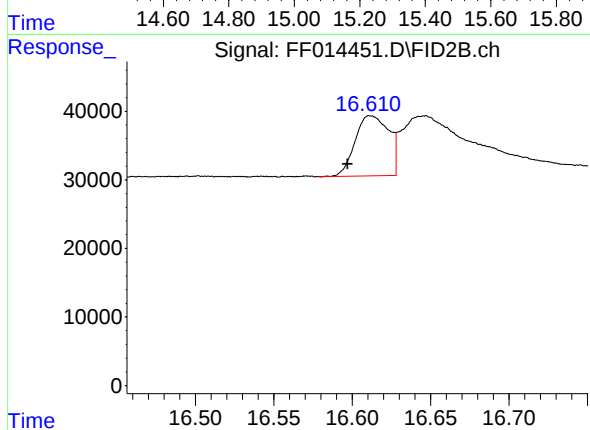
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.060 min  
Delta R.T.: 0.020 min  
Response: 100347  
Conc: 0.89 ug/ml m



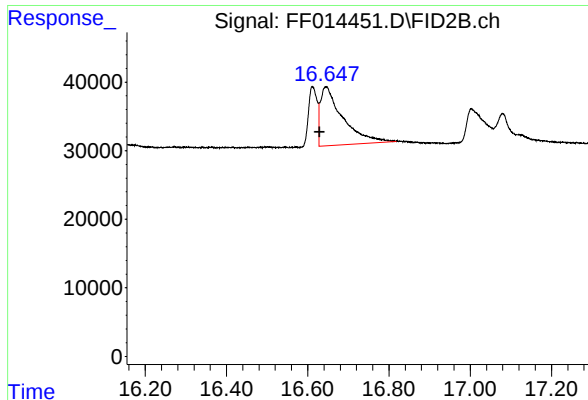
#15 Chrysene (C27.41)

R.T.: 15.100 min  
Delta R.T.: 0.019 min  
Response: 403124  
Conc: 2.58 ug/ml



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

R.T.: 16.612 min  
Delta R.T.: 0.015 min  
Response: 130403  
Conc: 1.11 ug/ml



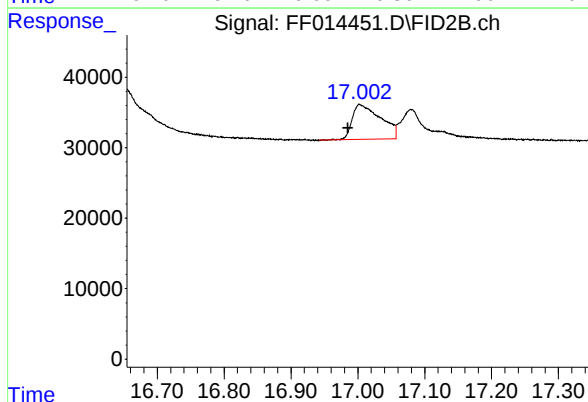
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.645 min  
Delta R.T.: 0.016 min  
Response: 325989  
Conc: 2.25 ug/ml

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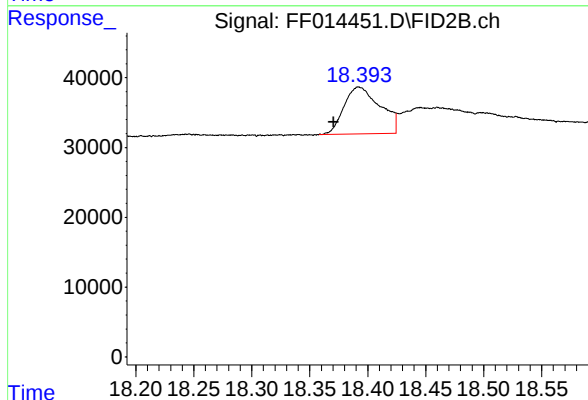
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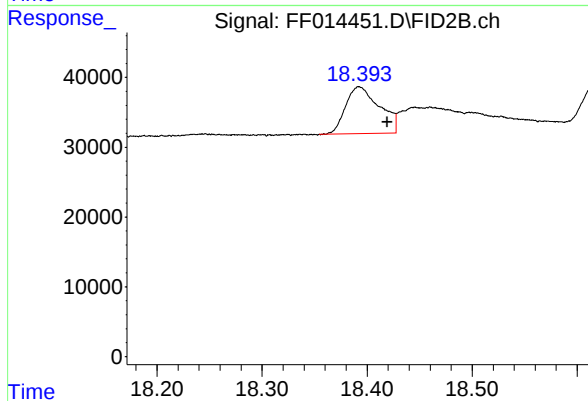
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.004 min  
Delta R.T.: 0.019 min  
Response: 147648  
Conc: 1.17 ug/ml



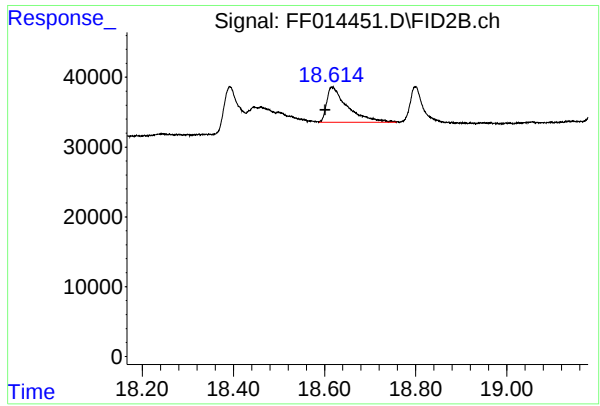
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.393 min  
Delta R.T.: 0.022 min  
Response: 146624  
Conc: 1.75 ug/ml m



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

R.T.: 18.393 min  
Delta R.T.: -0.027 min  
Response: 152198  
Conc: 1.10 ug/ml m



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

R.T.: 18.614 min  
Delta R.T.: 0.013 min  
Response: 158239  
Conc: 1.29 ug/ml

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