

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD101424AR\  
 Data File : FD048508.D  
 Signal(s) : FID2B.ch  
 Acq On : 15 Oct 2024 01:53  
 Operator : YP/AJ  
 Sample : P4368-03  
 Misc : 2.5 PPM SOIL MDL  
 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT4-2024

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024  
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e  
 Quant Time: Oct 15 06:02:29 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 30 14:17:34 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...      | 7.378  | 8518779    | 51.452 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 102.90%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.227  | 4994215    | 48.158 ug/ml |
| Spiked Amount 50.000 Range 0 - 130 |        | Recovery = | 96.32%       |
| 11) S ortho-Terphenyl (SURR)       | 11.267 | 8264702    | 44.918 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 89.84%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.200  | 336840     | 1.922 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.719  | 377070     | 2.020 ug/mlm |
| 3) T 2-Methylnaphthalene (...)     | 6.765  | 388191     | 2.054 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.030  | 409691     | 2.136 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.323  | 441317     | 2.333 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.104  | 385325     | 2.133 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.491 | 371366     | 2.095 ug/ml  |
| 10) T Anthracene (C19.43)          | 10.568 | 386749     | 2.173 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.296 | 388177     | 2.146 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.589 | 399414     | 2.231 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 14.462 | 310004     | 1.940 ug/mlm |
| 15) T Chrysene (C27.41)            | 14.500 | 388029     | 2.080 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.006 | 324336     | 1.947 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.038 | 374878     | 2.208 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.388 | 325016     | 1.989 ug/mlm |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.754 | 277435     | 2.109 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 17.796 | 393368     | 2.351 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 17.999 | 318390     | 1.960 ug/ml  |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 15 Oct 2024 01:53  
Operator : YP/AJ  
Sample : P4368-03  
Misc : 2.5 PPM SOIL MDL  
ALS Vial : 75 Sample Multiplier: 1

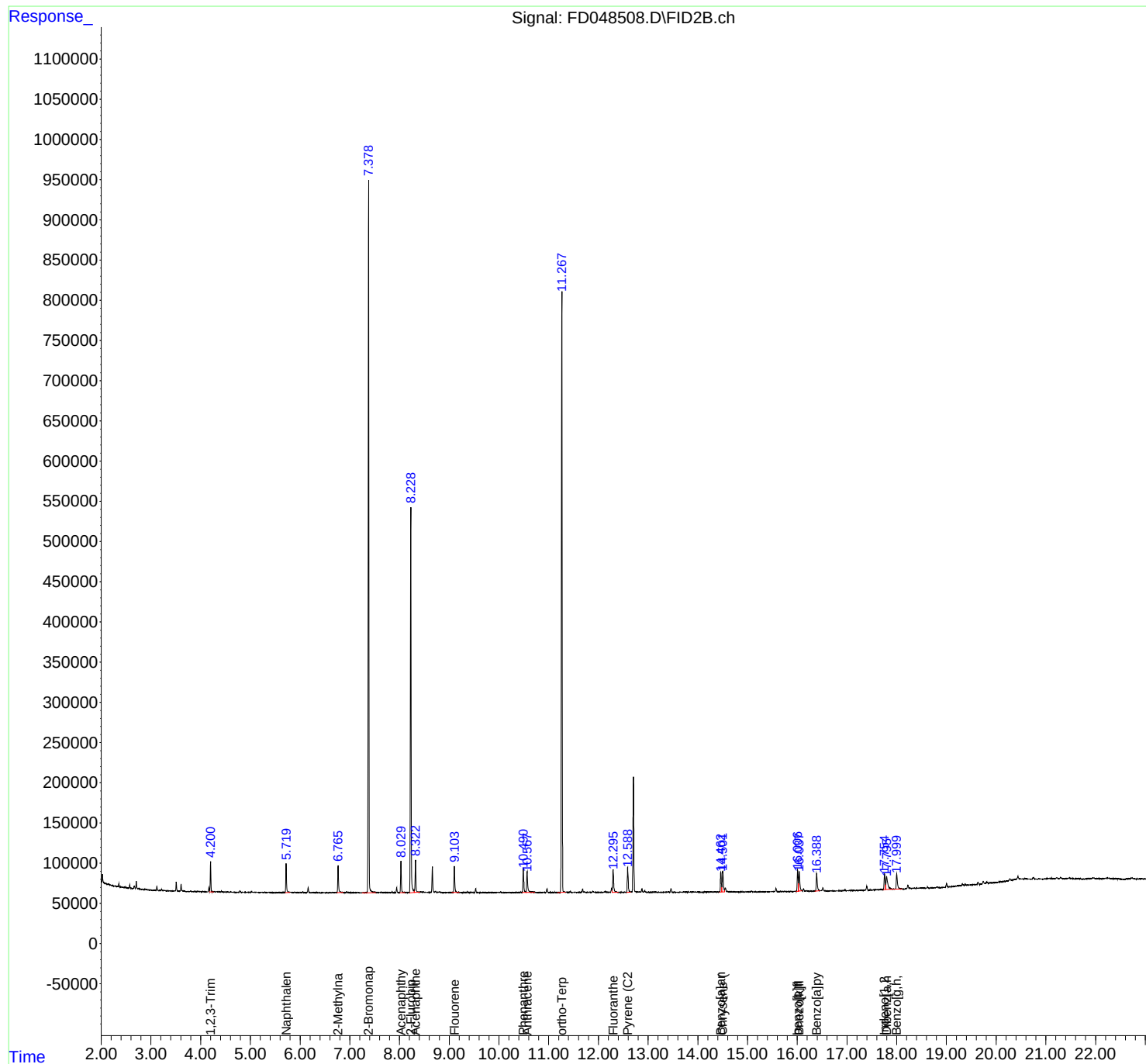
Instrument :  
FID\_D  
ClientSampleId :  
MDL-SOIL-03-QT4-2024

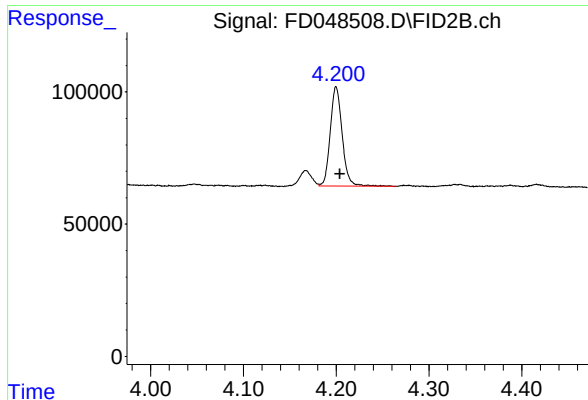
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Quant Time: Oct 15 06:02:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 30 14:17:34 2024  
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Integrator: ChemStation

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





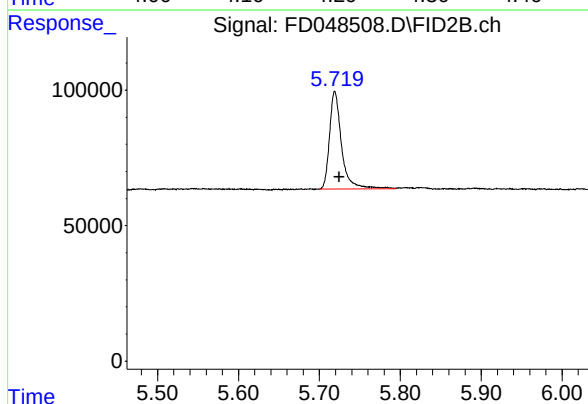
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.200 min  
Delta R.T.: -0.004 min  
Response: 336840  
Conc: 1.92 ug/ml

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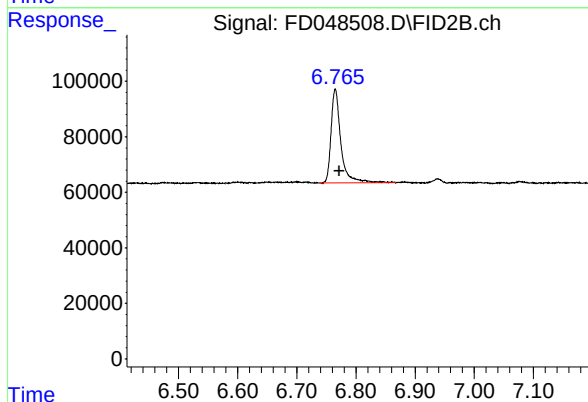
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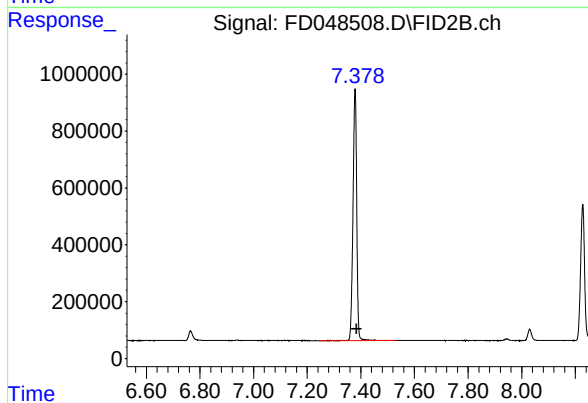
#2 Naphthalene (C11.7)

R.T.: 5.719 min  
Delta R.T.: -0.006 min  
Response: 377070  
Conc: 2.02 ug/ml



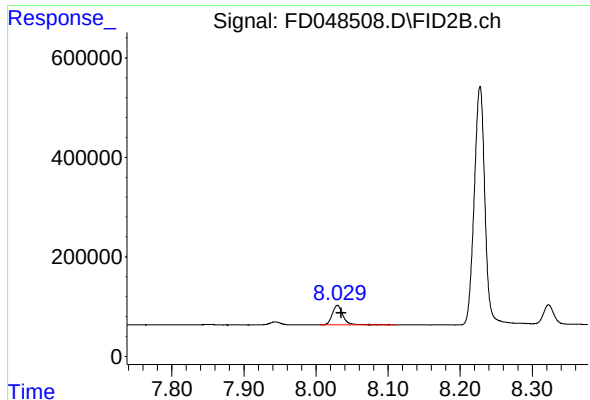
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.765 min  
Delta R.T.: -0.007 min  
Response: 388191  
Conc: 2.05 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.378 min  
Delta R.T.: -0.006 min  
Response: 8518779  
Conc: 51.45 ug/ml



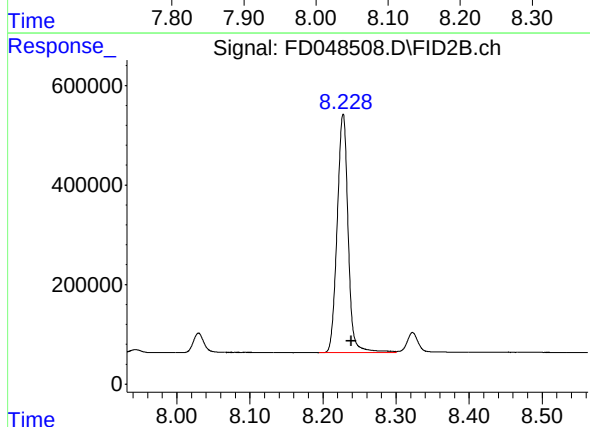
#5 Acenaphthylene (C15.06)

R.T.: 8.030 min  
Delta R.T.: -0.005 min  
Response: 409691  
Conc: 2.14 ug/ml

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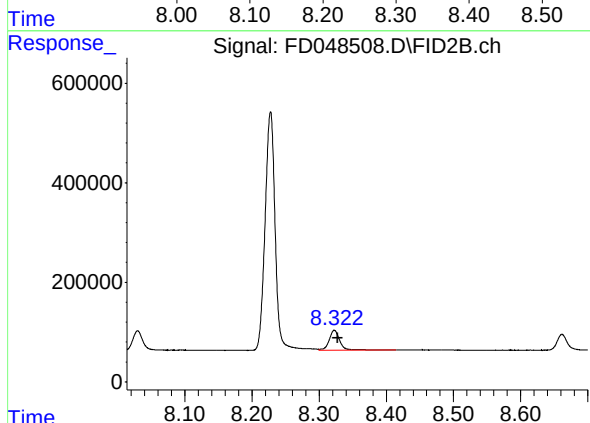
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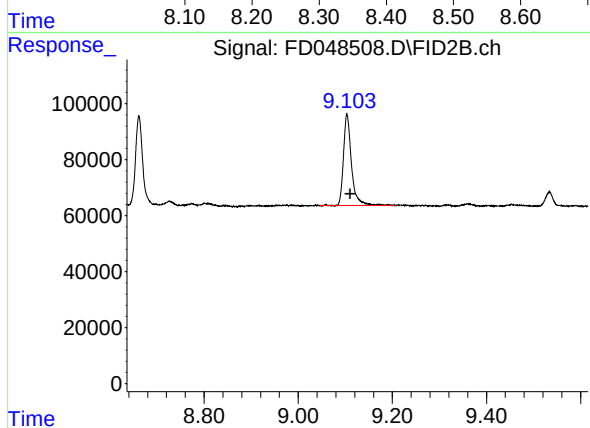
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.227 min  
Delta R.T.: -0.011 min  
Response: 4994215  
Conc: 48.16 ug/ml



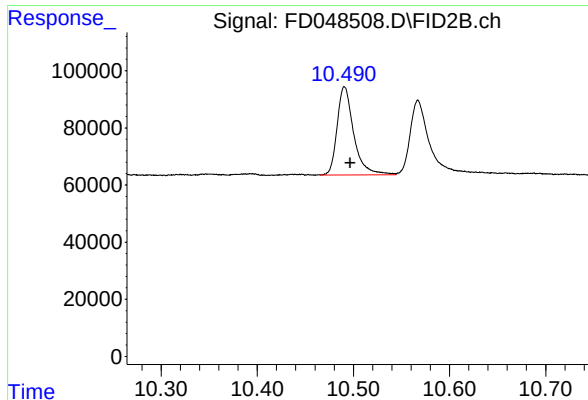
#7 Acenaphthene (C15.5)

R.T.: 8.323 min  
Delta R.T.: -0.005 min  
Response: 441317  
Conc: 2.33 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.104 min  
Delta R.T.: -0.007 min  
Response: 385325  
Conc: 2.13 ug/ml



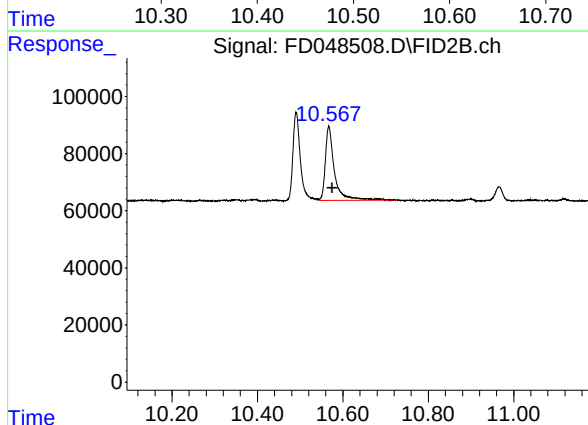
#9 Phenanthrene (C19.36)

R.T.: 10.491 min  
Delta R.T.: -0.006 min  
Response: 371366  
Conc: 2.10 ug/ml

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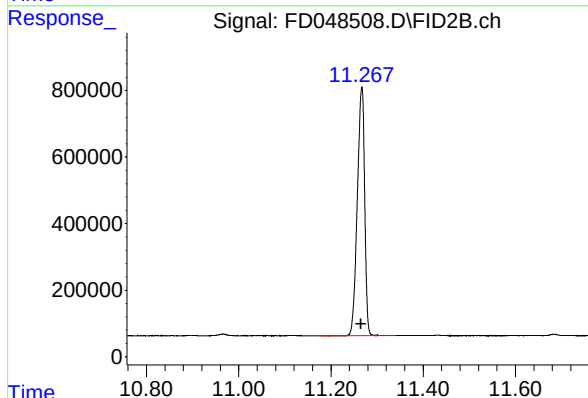
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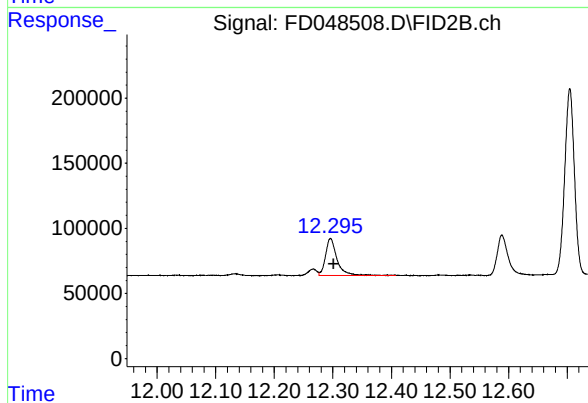
#10 Anthracene (C19.43)

R.T.: 10.568 min  
Delta R.T.: -0.008 min  
Response: 386749  
Conc: 2.17 ug/ml



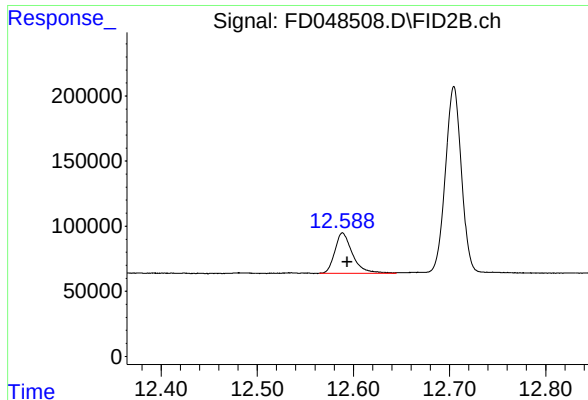
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min  
Delta R.T.: 0.001 min  
Response: 8264702  
Conc: 44.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.296 min  
Delta R.T.: -0.005 min  
Response: 388177  
Conc: 2.15 ug/ml



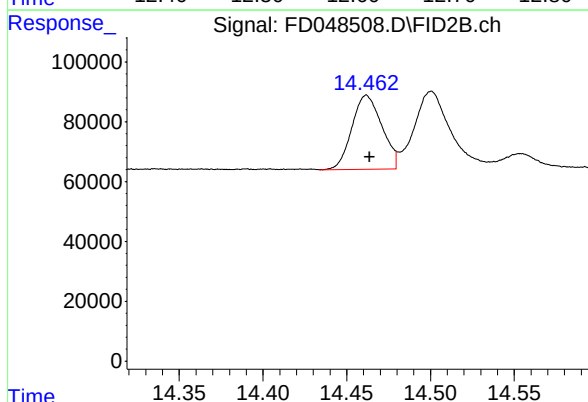
#13 Pyrene (C20.8)

R.T.: 12.589 min  
Delta R.T.: -0.004 min  
Response: 399414  
Conc: 2.23 ug/ml

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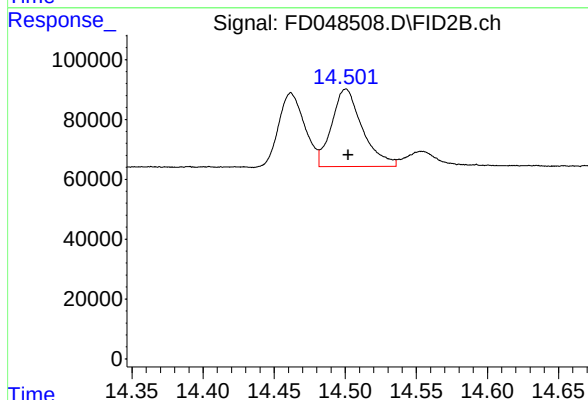
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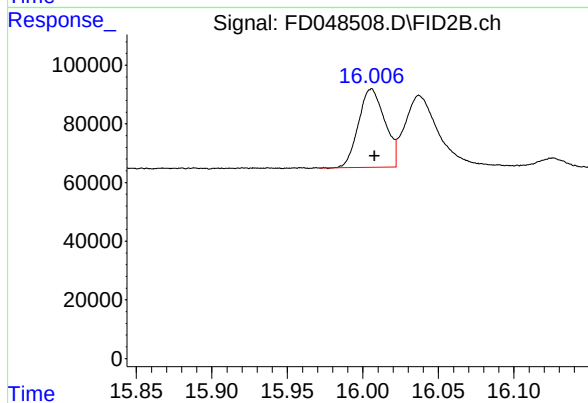
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.462 min  
Delta R.T.: -0.002 min  
Response: 310004  
Conc: 1.94 ug/ml m



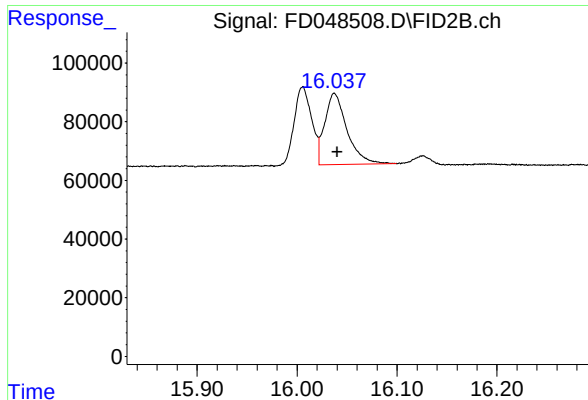
#15 Chrysene (C27.41)

R.T.: 14.500 min  
Delta R.T.: -0.002 min  
Response: 388029  
Conc: 2.08 ug/ml



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

R.T.: 16.006 min  
Delta R.T.: -0.002 min  
Response: 324336  
Conc: 1.95 ug/ml



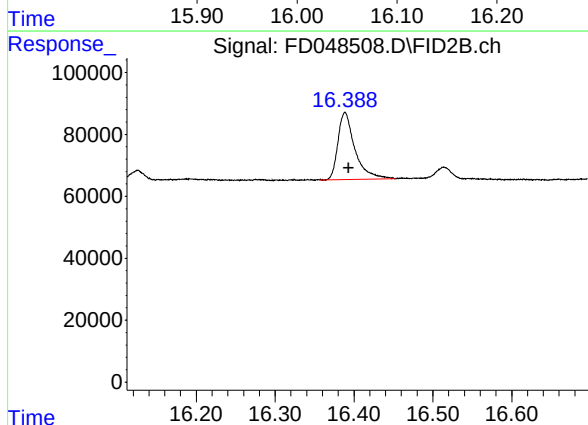
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.038 min  
Delta R.T.: -0.003 min  
Response: 374878  
Conc: 2.21 ug/ml

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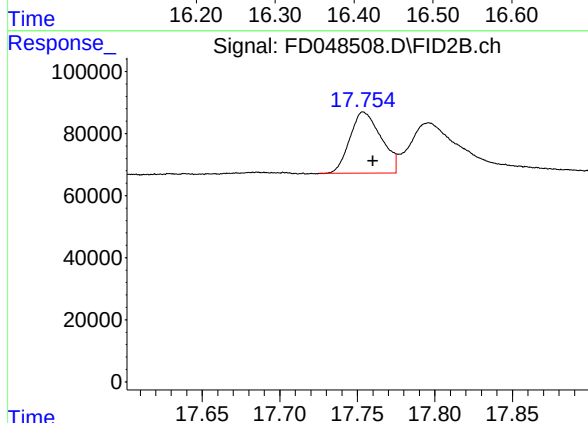
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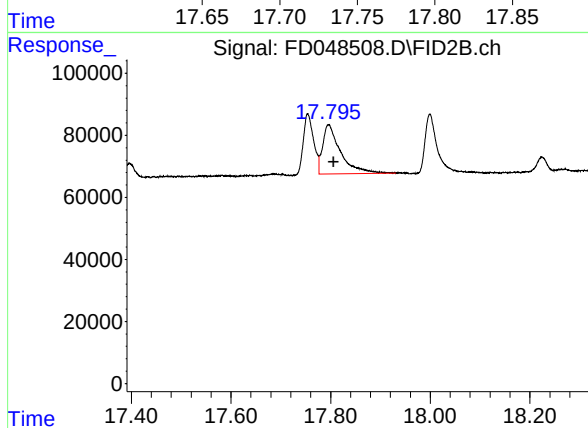
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.388 min  
Delta R.T.: -0.005 min  
Response: 325016  
Conc: 1.99 ug/ml m



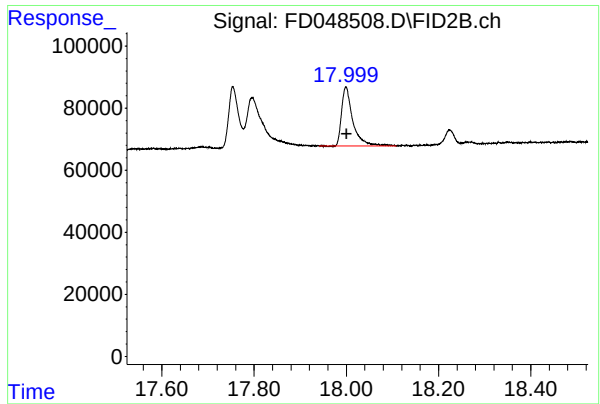
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.754 min  
Delta R.T.: -0.006 min  
Response: 277435  
Conc: 2.11 ug/ml m



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

R.T.: 17.796 min  
Delta R.T.: -0.010 min  
Response: 393368  
Conc: 2.35 ug/ml



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

R.T.: 17.999 min  
Delta R.T.: -0.001 min  
Response: 318390  
Conc: 1.96 ug/ml

Instrument :

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