

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD091323AR\  
 Data File : FD046473.D  
 Signal(s) : FID2B.ch  
 Acq On : 13 Sep 2023 20:24  
 Operator : YP/AJ  
 Sample : 04392-01MSD  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

**Instrument :**

FID\_D

**ClientSampleId :**

WASTEMSD

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :Ankita Jodhani 09/14/2023

Integration File: autoint1.e

Quant Time: Sep 14 02:59:30 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 082223.M

Quant Title : GC Extractables

QLast Update : Tue Aug 22 12:26:56 2023

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...      | 7.514  | 10420382   | 61.701 ug/mlm   |
| Spiked Amount 50.000               |        | Recovery = | 123.40%         |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.373  | 120652499  | 1084.128 ug/mlm |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 2168.26%#       |
| 11) S ortho-Terphenyl (SURR)       | 11.396 | 10621706   | 54.157 ug/mlm   |
| Spiked Amount 50.000               |        | Recovery = | 108.31%         |
|                                    |        |            |                 |
| Target Compounds                   |        |            |                 |
| 1) T 1,2,3-Trimethylbenzen...      | 4.323  | 41690390   | 237.251 ug/ml   |
| 2) T Naphthalene (C11.7)           | 5.847  | 28613039   | 155.246 ug/mlm  |
| 3) T 2-Methylnaphthalene (...)     | 6.958f | 80645499   | 434.340 ug/mlm  |
| 5) T Acenaphthylene (C15.06)       | 8.166  | 151675593  | 891.277 ug/mlm  |
| 7) T Acenaphthene (C15.5)          | 8.497  | 11988794   | 66.545 ug/mlm   |
| 8) T Flouorene (C16.55)            | 9.294f | 177632790  | 1015.661 ug/mlm |
| 9) T Phenanthrene (C19.36)         | 10.628 | 7363806    | 42.919 ug/mlm   |
| 10) T Anthracene (C19.43)          | 10.762 | 91588380   | 542.921 ug/mlm  |
| 12) T Fluoranthene (C21.85)        | 12.450 | 39225051   | 235.770 ug/mlm  |
| 13) T Pyrene (C20.8)               | 12.763 | 2460225    | 15.264 ug/mlm   |
| 14) T Benzo[a]anthracene (C...     | 14.613 | 9080663    | 64.545 ug/mlm   |
| 15) T Chrysene (C27.41)            | 14.657 | 9408553    | 63.428 ug/mlm   |
| 16) T benzo[b]fluoranthene ...     | 16.134 | 8119665    | 59.756 ug/ml    |
| 17) T Bnezo[k]fluoranthene ...     | 16.168 | 7963556    | 58.701 ug/ml    |
| 18) T Benzo[a]pyrene (C31.34)      | 16.506 | 7480942    | 56.776 ug/ml    |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.861 | 7606916    | 60.985 ug/ml    |
| 20) T Dibenz[a,h]anthracene...     | 17.900 | 7227882    | 57.681 ug/ml    |
| 21) T Benzo[g,h,i]perylene ...     | 18.115 | 7114413    | 55.477 ug/ml    |
| -----                              |        |            |                 |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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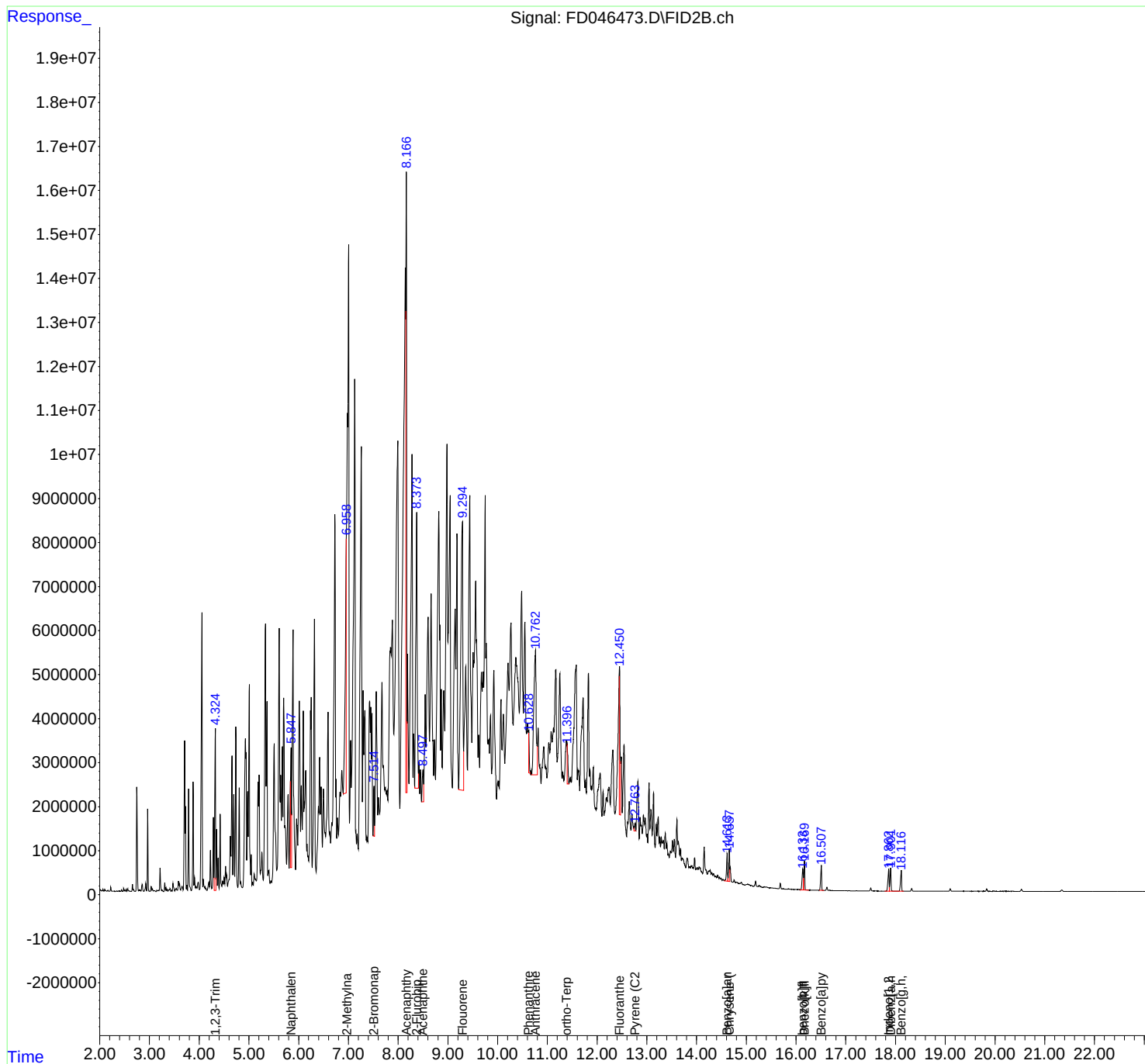
Response via : Initial Calibration

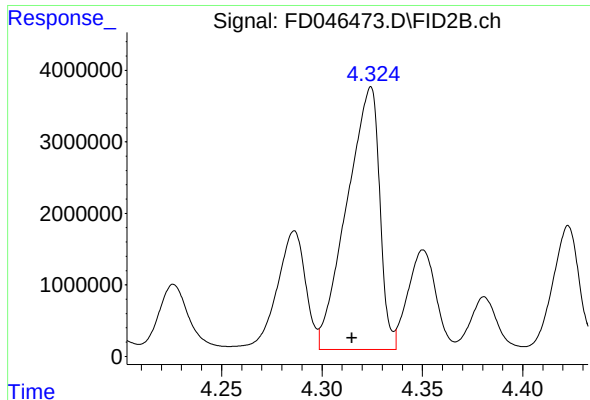
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





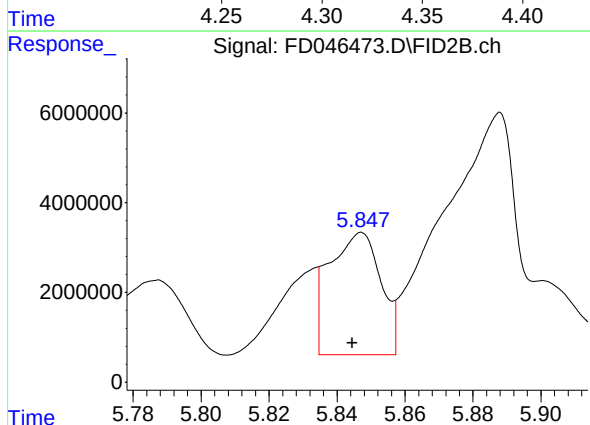
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.323 min  
Delta R.T.: 0.008 min  
Response: 41690390  
Conc: 237.25 ug/ml

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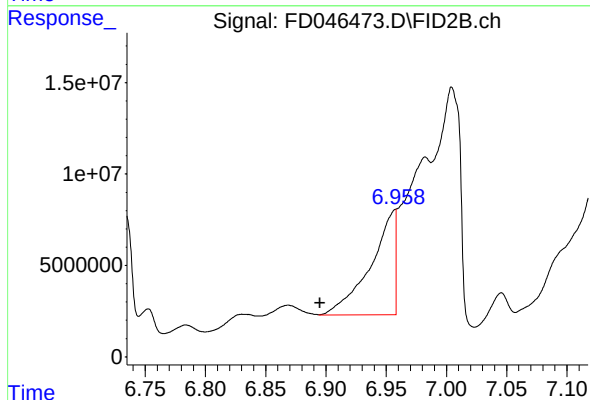
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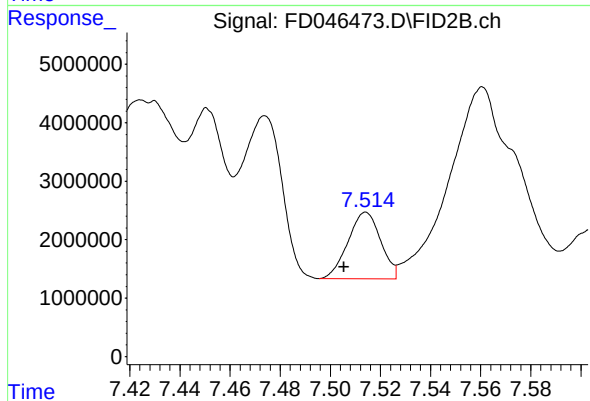
#2 Naphthalene (C11.7)

R.T.: 5.847 min  
Delta R.T.: 0.002 min  
Response: 28613039  
Conc: 155.25 ug/ml



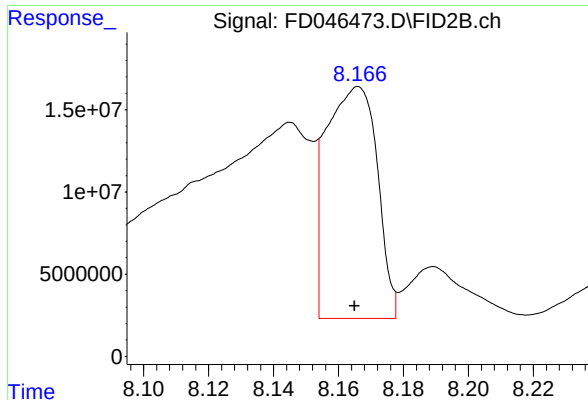
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.958 min  
Delta R.T.: 0.063 min  
Response: 80645499  
Conc: 434.34 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.514 min  
Delta R.T.: 0.008 min  
Response: 10420382  
Conc: 61.70 ug/ml



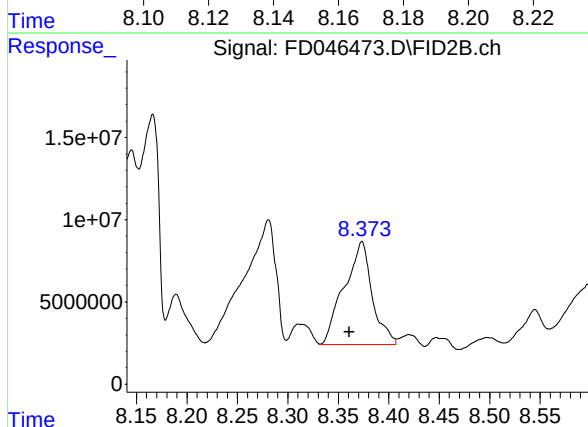
#5 Acenaphthylene (C15.06)

R.T.: 8.166 min  
Delta R.T.: 0.000 min  
Response: 151675593  
Conc: 891.28 ug/ml m

Instrument :  
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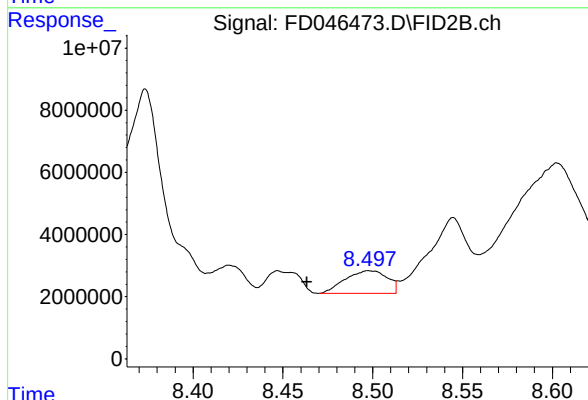
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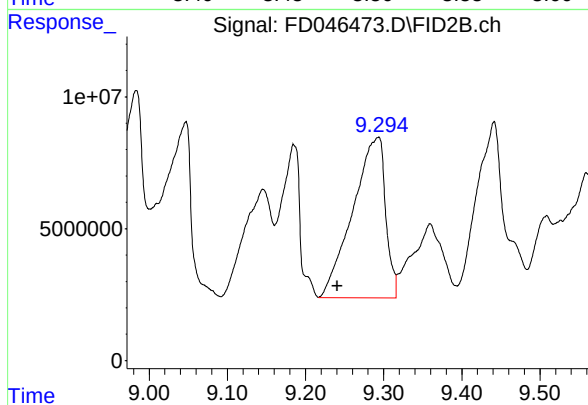
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.373 min  
Delta R.T.: 0.012 min  
Response: 120652499  
Conc: 1084.13 ug/ml m



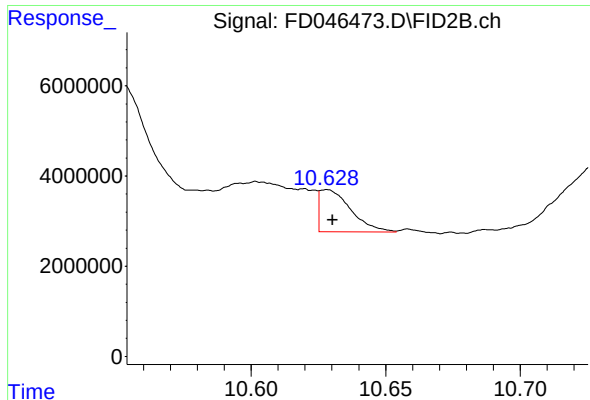
#7 Acenaphthene (C15.5)

R.T.: 8.497 min  
Delta R.T.: 0.034 min  
Response: 11988794  
Conc: 66.55 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.294 min  
Delta R.T.: 0.053 min  
Response: 177632790  
Conc: 1015.66 ug/ml m



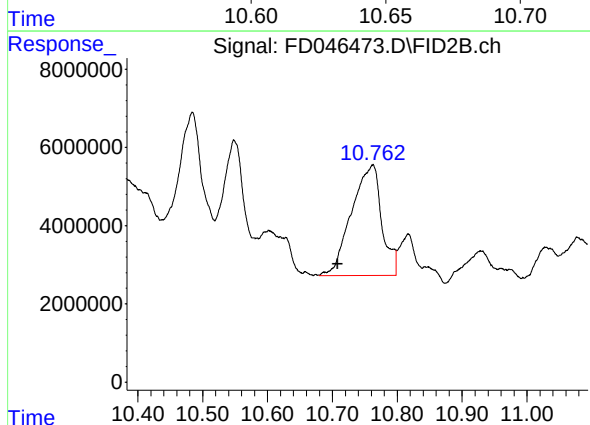
#9 Phenanthrene (C19.36)

R.T.: 10.628 min  
Delta R.T.: -0.002 min  
Response: 7363806  
Conc: 42.92 ug/ml

Instrument :  
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ClientSampleId :  
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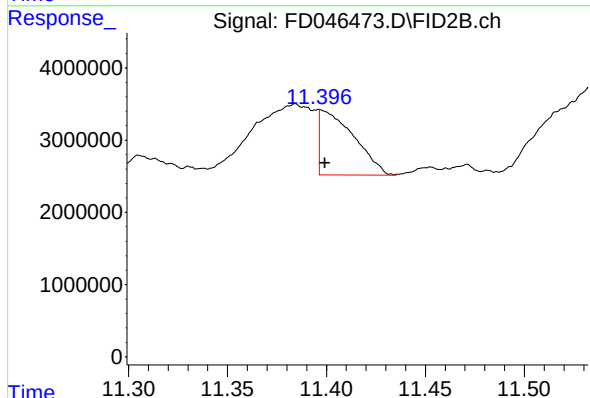
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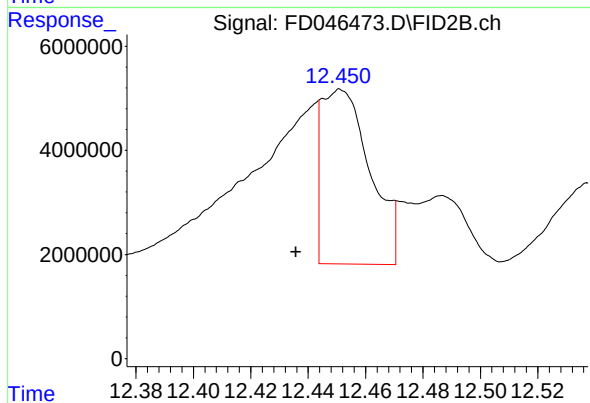
#10 Anthracene (C19.43)

R.T.: 10.762 min  
Delta R.T.: 0.055 min  
Response: 91588380  
Conc: 542.92 ug/ml



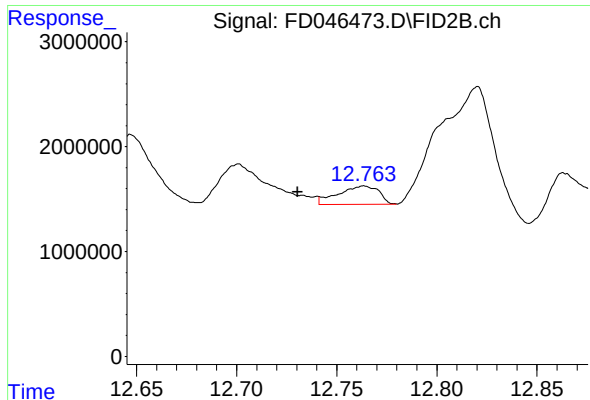
#11 ortho-Terphenyl (SURR)

R.T.: 11.396 min  
Delta R.T.: -0.003 min  
Response: 10621706  
Conc: 54.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.450 min  
Delta R.T.: 0.015 min  
Response: 39225051  
Conc: 235.77 ug/ml



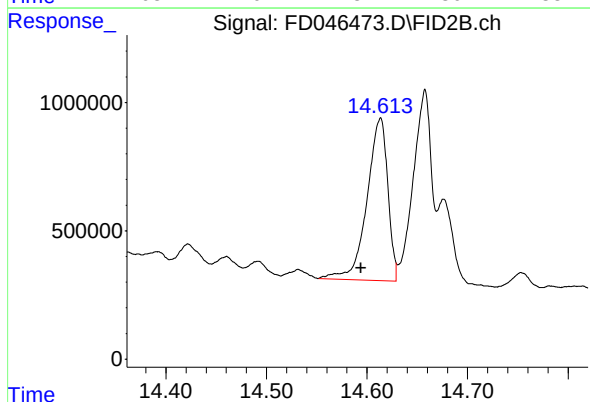
#13 Pyrene (C20.8)

R.T.: 12.763 min  
Delta R.T.: 0.033 min  
Response: 2460225  
Conc: 15.26 ug/ml

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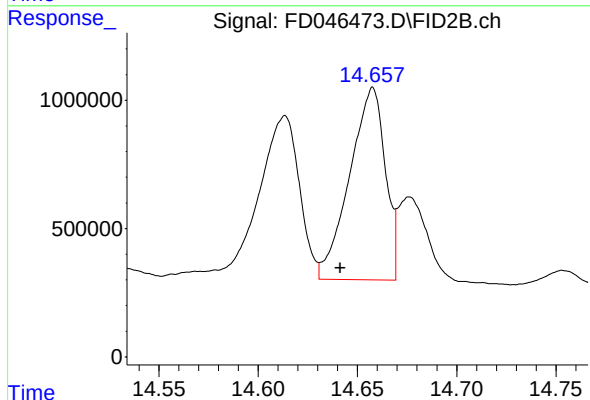
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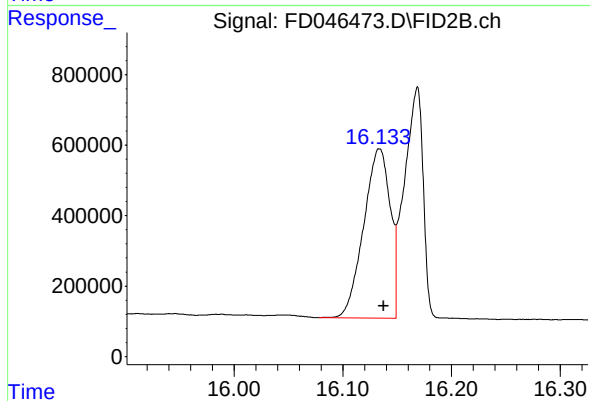
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.613 min  
Delta R.T.: 0.019 min  
Response: 9080663  
Conc: 64.54 ug/ml m



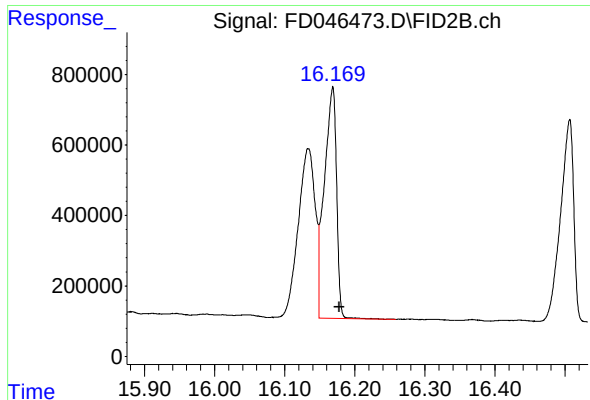
#15 Chrysene (C27.41)

R.T.: 14.657 min  
Delta R.T.: 0.016 min  
Response: 9408553  
Conc: 63.43 ug/ml m



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

R.T.: 16.134 min  
Delta R.T.: -0.004 min  
Response: 8119665  
Conc: 59.76 ug/ml



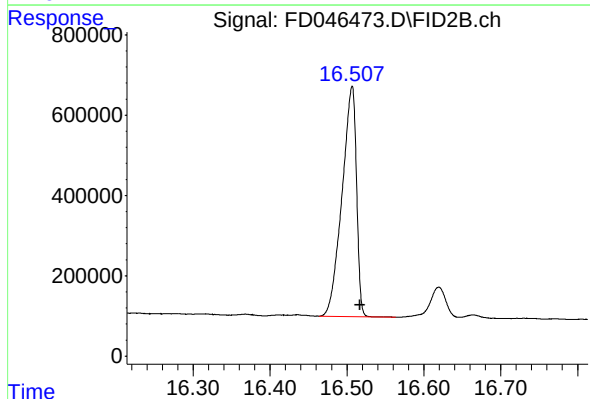
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.168 min  
Delta R.T.: -0.010 min  
Response: 7963556  
Conc: 58.70 ug/ml

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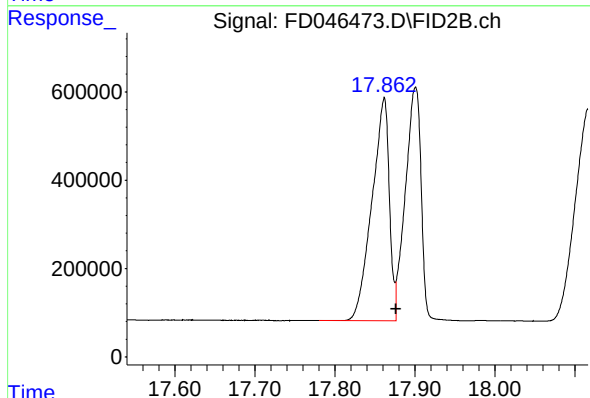
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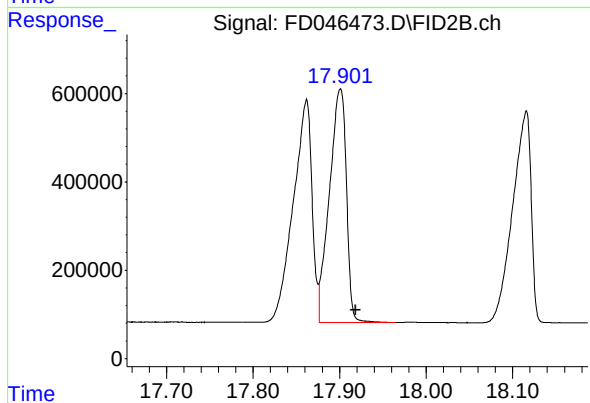
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.506 min  
Delta R.T.: -0.011 min  
Response: 7480942  
Conc: 56.78 ug/ml



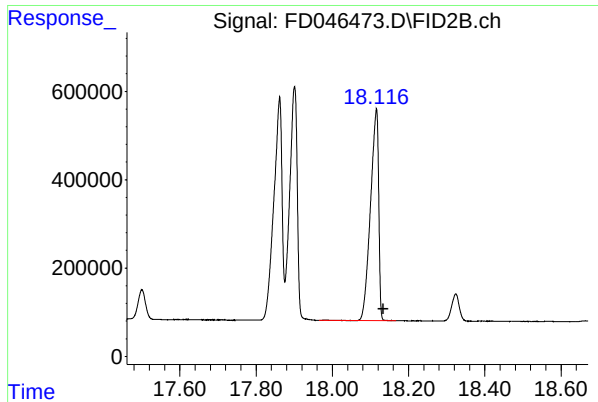
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.861 min  
Delta R.T.: -0.015 min  
Response: 7606916  
Conc: 60.98 ug/ml



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

R.T.: 17.900 min  
Delta R.T.: -0.018 min  
Response: 7227882  
Conc: 57.68 ug/ml



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

R.T.: 18.115 min  
Delta R.T.: -0.020 min  
Response: 7114413  
Conc: 55.48 ug/ml

Instrument :

FID\_D

ClientSampleId :

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